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TUB registration: 20130201-SN63/SN63L0NP.PDF /.PS  
application for measurement of display output

TUB material: code=rha4ta

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for D65 and Y <sub>w</sub> =100, Y <sub>m</sub> =520_770 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |      |  |  |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|------|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                          | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 0 405                                                                                                                    | 32 561                          | 32.57            | 58.2             | 108.12           | 0.1637 | 0.2926 | 0.5436 | 193.7           | 16 483                          | 37 589                          | Cm   |  |  |
| 1 410                                                                                                                    | 32 561                          | 32.45            | 58.23            | 107.45           | 0.1637 | 0.2939 | 0.5423 | 193.2           | 16 483                          | 37 589                          |      |  |  |
| 2 415                                                                                                                    | 32 561                          | 32.22            | 58.28            | 106.19           | 0.1638 | 0.2962 | 0.5398 | 192.4           | 16 483                          | 38 590                          |      |  |  |
| 4 420                                                                                                                    | 32 561                          | 31.07            | 58.33            | 100.31           | 0.1637 | 0.3074 | 0.5287 | 188.2           | 16 484                          | 38 594                          |      |  |  |
| 4 425                                                                                                                    | 32 562                          | 31.16            | 58.47            | 100.31           | 0.164  | 0.3078 | 0.528  | 188.1           | 16 484                          | 38 594                          |      |  |  |
| 6 430                                                                                                                    | 32 562                          | 28.92            | 58.55            | 88.73            | 0.1641 | 0.3323 | 0.5035 | 178.7           | 17 486                          | 41 609                          |      |  |  |
| 6 435                                                                                                                    | 32 562                          | 29.09            | 58.79            | 88.73            | 0.1647 | 0.3328 | 0.5023 | 178.4           | 17 486                          | 42 610                          |      |  |  |
| 8 440                                                                                                                    | 32 562                          | 25.92            | 58.88            | 71.7             | 0.1656 | 0.3762 | 0.4581 | 162.1           | 18 490                          | -1 490c                         |      |  |  |
| 9 445                                                                                                                    | 32 563                          | 24.37            | 59.12            | 62.12            | 0.1673 | 0.4059 | 0.4266 | 152.0           | 18 492                          | -1 492c                         |      |  |  |
| 10 450                                                                                                                   | 32 563                          | 22.93            | 59.41            | 52.37            | 0.1702 | 0.441  | 0.3887 | 141.8           | 19 496                          | -1 496c                         |      |  |  |
| 11 455                                                                                                                   | 32 564                          | 21.71            | 59.81            | 42.88            | 0.1745 | 0.4807 | 0.3446 | 132.2           | 20 500                          | -1 500c                         |      |  |  |
| 12 460                                                                                                                   | 33 565                          | 20.88            | 60.32            | 34.02            | 0.1812 | 0.5234 | 0.2952 | 124.0           | 21 505                          | -1 505c                         |      |  |  |
| 12 465                                                                                                                   | 33 567                          | 21.95            | 61.66            | 34.03            | 0.1866 | 0.5241 | 0.2892 | 122.8           | 21 506                          | -1 506c                         |      |  |  |
| 14 470                                                                                                                   | 33 569                          | 21.47            | 62.72            | 19.98            | 0.206  | 0.602  | 0.1918 | 111.3           | 24 520                          | -1 520c                         |      |  |  |
| 15 475                                                                                                                   | 34 573                          | 23.76            | 65.29            | 14.91            | 0.2285 | 0.6279 | 0.1434 | 105.6           | 25 528                          | -1 528c                         | Gm   |  |  |
| 16 480                                                                                                                   | 36 580                          | 29.0             | 69.95            | 11.05            | 0.2636 | 0.6358 | 0.1005 | 99.0            | 27 537                          | -1 537c                         |      |  |  |
| 17 485                                                                                                                   | 39 595                          | 42.11            | 78.75            | 8.23             | 0.3261 | 0.6099 | 0.0638 | 87.2            | 29 548                          | -1 548c                         |      |  |  |
| 18 490                                                                                                                   | -1 490c                         | 77.09            | 93.8             | 6.13             | 0.4354 | 0.5298 | 0.0346 | 58.5            | 33 565                          | 11 459                          |      |  |  |
| 19 495                                                                                                                   | -1 495c                         | 77.04            | 92.3             | 4.52             | 0.4431 | 0.5308 | 0.026  | 57.1            | 33 566                          | 12 462                          |      |  |  |
| 20 500                                                                                                                   | -1 500c                         | 77.02            | 90.42            | 3.27             | 0.4511 | 0.5296 | 0.0191 | 55.3            | 33 567                          | 12 464                          |      |  |  |
| 21 505                                                                                                                   | -1 505c                         | 76.99            | 88.09            | 2.32             | 0.4599 | 0.5262 | 0.0138 | 53.2            | 33 568                          | 13 467                          |      |  |  |
| 22 510                                                                                                                   | -1 510c                         | 76.89            | 85.27            | 1.63             | 0.4694 | 0.5205 | 0.01   | 50.7            | 33 569                          | 13 469                          |      |  |  |
| 23 515                                                                                                                   | -1 515c                         | 76.66            | 81.98            | 1.16             | 0.4797 | 0.513  | 0.0072 | 47.7            | 34 570                          | 14 471                          |      |  |  |
| 23 520                                                                                                                   | -1 519c                         | 76.66            | 81.98            | 1.16             | 0.4797 | 0.513  | 0.0072 | 47.7            | 34 570                          | 14 471                          | Ym   |  |  |
| 24 525                                                                                                                   | -1 524c                         | 76.23            | 78.23            | 0.82             | 0.4908 | 0.5037 | 0.0053 | 44.4            | 34 572                          | 14 473                          |      |  |  |
| 25 530                                                                                                                   | -1 529c                         | 75.53            | 74.04            | 0.57             | 0.503  | 0.4931 | 0.0038 | 40.7            | 34 573                          | 15 475                          |      |  |  |
| 26 535                                                                                                                   | -1 534c                         | 74.54            | 69.55            | 0.39             | 0.5159 | 0.4813 | 0.0027 | 36.8            | 35 575                          | 15 476                          |      |  |  |
| 27 540                                                                                                                   | -1 539c                         | 73.26            | 64.9             | 0.26             | 0.5292 | 0.4688 | 0.0019 | 32.8            | 35 577                          | 15 478                          |      |  |  |
| 28 545                                                                                                                   | -1 544c                         | 71.66            | 60.13            | 0.18             | 0.5429 | 0.4556 | 0.0014 | 28.7            | 35 579                          | 15 479                          |      |  |  |
| 29 550                                                                                                                   | -1 549c                         | 69.7             | 55.26            | 0.13             | 0.5571 | 0.4417 | 0.001  | 24.7            | 36 582                          | 16 480                          |      |  |  |
| 30 555                                                                                                                   | -1 554c                         | 67.4             | 50.4             | 0.09             | 0.5716 | 0.4274 | 0.0008 | 20.8            | 36 584                          | 16 481                          |      |  |  |
| 32 560                                                                                                                   | -1 560c                         | 61.78            | 41.0             | 0.05             | 0.6007 | 0.3987 | 0.0005 | 13.6            | 37 589                          | 16 483                          |      |  |  |
| 33 565                                                                                                                   | 11 457                          | 71.21            | 37.64            | 65.22            | 0.409  | 0.2162 | 0.3746 | 310.5           | -1 501c                         | 20 501                          |      |  |  |
| 33 570                                                                                                                   | 14 470                          | 74.72            | 38.83            | 86.9             | 0.3727 | 0.1937 | 0.4335 | 293.9           | -1 516c                         | 23 516                          |      |  |  |
| 34 575                                                                                                                   | 15 476                          | 71.88            | 35.32            | 93.02            | 0.3589 | 0.1764 | 0.4645 | 286.9           | -1 527c                         | 25 527                          |      |  |  |
| 35 580                                                                                                                   | 15 479                          | 68.24            | 31.78            | 96.02            | 0.348  | 0.1621 | 0.4897 | 281.9           | -1 533c                         | 26 533                          |      |  |  |
| 36 585                                                                                                                   | 16 482                          | 64.18            | 28.44            | 97.56            | 0.3374 | 0.1495 | 0.5129 | 277.8           | -1 538c                         | 27 538                          |      |  |  |
| 38 590                                                                                                                   | 16 483                          | 55.6             | 22.3             | 98.61            | 0.3149 | 0.1263 | 0.5586 | 270.6           | -1 545c                         | 29 545                          |      |  |  |
| 38 595                                                                                                                   | 16 484                          | 55.67            | 22.51            | 99.37            | 0.3135 | 0.1267 | 0.5596 | 270.2           | -1 546c                         | 29 546                          |      |  |  |
| 39 600                                                                                                                   | 17 485                          | 51.21            | 19.88            | 99.8             | 0.2996 | 0.1163 | 0.5839 | 266.5           | -1 549c                         | 29 549                          |      |  |  |
| 41 605                                                                                                                   | 17 486                          | 42.4             | 15.19            | 100.1            | 0.2688 | 0.0963 | 0.6347 | 259.3           | -1 554c                         | 30 554                          |      |  |  |
| 42 610                                                                                                                   | 17 486                          | 38.32            | 13.3             | 100.32           | 0.2522 | 0.0875 | 0.6601 | 255.9           | -1 556c                         | 31 556                          |      |  |  |
| 42 615                                                                                                                   | 17 487                          | 38.34            | 13.38            | 100.49           | 0.2518 | 0.0879 | 0.6601 | 255.8           | -1 556c                         | 31 556                          |      |  |  |
| 44 620                                                                                                                   | 17 487                          | 31.31            | 10.28            | 100.61           | 0.2201 | 0.0723 | 0.7074 | 250.2           | -1 559c                         | 31 559                          |      |  |  |
| 44 625                                                                                                                   | 17 487                          | 31.32            | 10.32            | 100.71           | 0.22   | 0.0725 | 0.7074 | 250.1           | -1 559c                         | 31 559                          |      |  |  |
| 46 630                                                                                                                   | 17 487                          | 26.2             | 8.24             | 100.79           | 0.1937 | 0.0609 | 0.7452 | 246.0           | 4 422                           | 32 561                          |      |  |  |
| 46 635                                                                                                                   | 17 487                          | 26.21            | 8.27             | 100.85           | 0.1936 | 0.0611 | 0.7452 | 246.0           | 4 423                           | 32 561                          |      |  |  |
| 47 640                                                                                                                   | 17 488                          | 24.25            | 7.51             | 100.9            | 0.1828 | 0.0566 | 0.7605 | 244.5           | 7 438                           | 32 562                          |      |  |  |
| 49 645                                                                                                                   | 17 488                          | 21.43            | 6.44             | 100.94           | 0.1664 | 0.05   | 0.7835 | 242.3           | 9 449                           | 32 563                          |      |  |  |
| 50 650                                                                                                                   | 17 488                          | 20.48            | 6.1              | 100.96           | 0.1606 | 0.0478 | 0.7915 | 241.6           | 10 451                          | 32 564                          |      |  |  |
| 51 655                                                                                                                   | 17 488                          | 19.76            | 5.84             | 100.98           | 0.1561 | 0.0461 | 0.7977 | 241.0           | 10 453                          | 32 564                          |      |  |  |
| 52 660                                                                                                                   | 17 488                          | 19.21            | 5.64             | 101.0            | 0.1526 | 0.0448 | 0.8024 | 240.6           | 10 454                          | 32 564                          |      |  |  |
| 53 665                                                                                                                   | 17 488                          | 18.81            | 5.5              | 101.01           | 0.1501 | 0.0439 | 0.8059 | 240.3           | 11 455                          | 32 564                          |      |  |  |
| 53 670                                                                                                                   | 17 488                          | 18.81            | 5.5              | 101.02           | 0.1501 | 0.0439 | 0.8059 | 240.3           | 11 455                          | 32 564                          |      |  |  |
| 54 675                                                                                                                   | 17 488                          | 18.52            | 5.4              | 101.02           | 0.1482 | 0.0432 | 0.8085 | 240.0           | 11 456                          | 32 564                          |      |  |  |
| 56 680                                                                                                                   | 17 488                          | 18.17            | 5.27             | 101.03           | 0.1459 | 0.0424 | 0.8116 | 239.8           | 11 457                          | 32 564                          |      |  |  |
| 57 685                                                                                                                   | 17 488                          | 18.07            | 5.24             | 101.04           | 0.1453 | 0.0421 | 0.8124 | 239.7           | 11 457                          | 33 565                          |      |  |  |
| 58 690                                                                                                                   | 17 488                          | 18.01            | 5.22             | 101.04           | 0.1449 | 0.042  | 0.813  | 239.7           | 11 457                          | 33 565                          |      |  |  |
| 380                                                                                                                      | 770                             | 95.04            | 100.0            | 108.89           | 0.3127 | 0.329  | 0.3582 | 0.0             |                                 |                                 |      |  |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for D65 and Y <sub>w</sub> =100, B <sub>m</sub> =380_520 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |     |  |  |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|-----|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                          | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Coc |  |  |
| 32 561                                                                                                                   | 0 405                           | 62.46            | 41.79            | 0.76             | 0.5948 | 0.3979 | 0.0072 | 13.7            | 37 589                          | 16 483                          | Rn  |  |  |
| 32 561                                                                                                                   | 1 410                           | 62.58            | 41.76            | 1.43             | 0.5916 | 0.3947 | 0.0135 | 13.2            | 37 589                          | 16 483                          |     |  |  |
| 32 561                                                                                                                   | 2 415                           | 62.81            | 41.71            | 2.7              | 0.5857 | 0.389  | 0.0251 | 12.3            | 38 590                          | 16 483                          |     |  |  |
| 32 561                                                                                                                   | 4 420                           | 63.97            | 41.66            | 8.58             | 0.5601 | 0.3647 | 0.0751 | 8.2             | 38 594                          | 16 484                          |     |  |  |
| 32 562                                                                                                                   | 4 425                           | 63.87            | 41.52            | 8.58             | 0.5604 | 0.3643 | 0.0752 | 8.1             | 38 594                          | 16 484                          |     |  |  |
| 32 562                                                                                                                   | 6 430                           | 66.11            | 41.44            | 20.15            | 0.5176 | 0.3244 | 0.1578 | 358.7           | 41 609                          | 17 486                          |     |  |  |
| 32 562                                                                                                                   | 6 435                           | 65.95            | 41.2             | 20.15            | 0.518  | 0.3236 | 0.1583 | 358.4           | 42 610                          | 17 486                          |     |  |  |
| 32 562                                                                                                                   | 8 440                           | 69.11            | 41.11            | 37.18            | 0.4688 | 0.2789 | 0.2522 | 342.2           | -1 490c                         | 18 490                          |     |  |  |
| 32 563                                                                                                                   | 9 445                           | 70.67            | 40.87            | 46.76            | 0.4463 | 0.2582 | 0.2953 | 332.1           | -1 492c                         | 18 492                          |     |  |  |
| 32 563                                                                                                                   | 10 450                          | 72.11            | 40.58            | 56.51            | 0.4261 | 0.2398 | 0.3339 | 321.8           | -1 496c                         | 19 496                          |     |  |  |
| 32 564                                                                                                                   | 11 455                          | 73.32            | 40.18            | 66.0             | 0.4084 | 0.2238 | 0.3677 | 312.3           | -1 500c                         | 20 500                          |     |  |  |
| 33 565                                                                                                                   | 12 460                          | 74.16            | 39.67            | 74.86            | 0.393  | 0.2102 | 0.3967 | 304.0           | -1 505c                         | 21 505                          |     |  |  |
| 33 567                                                                                                                   | 12 465                          | 73.08            | 38.33            | 74.86            | 0.3923 | 0.2057 | 0.4018 | 302.9           | -1 506c                         | 21 506                          |     |  |  |
| 33 569                                                                                                                   | 14 470                          | 73.57            | 37.27            | 88.9             | 0.3683 | 0.1865 | 0.445  | 291.3           | -1 520c                         | 24 520                          |     |  |  |
| 34 573                                                                                                                   | 15 475                          | 71.27            | 34.7             | 93.97            | 0.3564 | 0.1735 | 0.4699 | 285.7           | -1 528c                         | 25 528                          | Mn  |  |  |
| 36 580                                                                                                                   | 16 480                          | 66.03            | 30.04            | 97.83            | 0.3405 | 0.1549 | 0.5045 | 279.1           | -1 537c                         | 27 537                          |     |  |  |
| 39 595                                                                                                                   | 17 485                          | 52.92            | 21.24            | 100.65           | 0.3027 | 0.1215 | 0.5757 | 267.2           | -1 548c                         | 29 548                          |     |  |  |
| -1 490c                                                                                                                  | 18 490                          | 17.95            | 6.19             | 102.75           | 0.1414 | 0.0487 | 0.8097 | 238.5           | 11 459                          | 33 565                          |     |  |  |
| -1 495c                                                                                                                  | 19 495                          | 18.0             | 7.69             | 104.36           | 0.1384 | 0.0591 | 0.8024 | 237.1           | 12 462                          | 33 566                          |     |  |  |
| -1 500c                                                                                                                  | 20 500                          | 18.02            | 9.57             | 105.61           | 0.1352 | 0.0719 | 0.7928 | 235.4           | 12 464                          | 33 567                          |     |  |  |
| -1 505c                                                                                                                  | 21 505                          | 18.05            | 11.9             | 106.56           | 0.1322 | 0.0872 | 0.7805 | 233.2           | 13 467                          | 33 568                          |     |  |  |
| -1 510c                                                                                                                  | 22 510                          | 18.14            | 14.72            | 107.25           | 0.1295 | 0.105  | 0.7654 | 230.7           | 13 469                          | 33 569                          |     |  |  |
| -1 515c                                                                                                                  | 23 515                          | 18.37            | 18.01            | 107.72           | 0.1275 | 0.1249 | 0.7475 | 227.7           | 14 471                          | 34 570                          |     |  |  |
| -1 519c                                                                                                                  | 23 520                          | 18.37            | 18.01            | 107.72           | 0.1275 | 0.1249 | 0.7475 | 227.7           | 14 471                          | 34 570                          | Bn  |  |  |
| -1 524c                                                                                                                  | 24 525                          | 18.81            | 21.76            | 108.06           | 0.1265 | 0.1464 | 0.727  | 224.4           | 14 473                          | 34 572                          |     |  |  |
| -1 529c                                                                                                                  | 25 530                          | 19.5             | 25.95            | 108.31           | 0.1268 | 0.1687 | 0.7043 | 220.7           | 15 475                          | 34 573                          |     |  |  |
| -1 534c                                                                                                                  | 26 535                          | 20.49            | 30.44            | 108.49           | 0.1285 | 0.1909 | 0.6805 | 216.8           | 15 476                          | 35 575                          |     |  |  |
| -1 539c                                                                                                                  | 27 540                          | 21.77            | 35.09            | 108.62           | 0.1315 | 0.212  | 0.6563 | 212.8           | 15 478                          | 35 577                          |     |  |  |
| -1 544c                                                                                                                  | 28 545                          | 23.38            | 39.86            | 108.7            | 0.1359 | 0.2318 | 0.6321 | 208.8           | 15 479                          | 35 579                          |     |  |  |
| -1 549c                                                                                                                  | 29 550                          | 25.33            | 44.73            | 108.76           | 0.1416 | 0.2501 | 0.6081 | 204.7           | 16 480                          | 36 582                          |     |  |  |
| -1 554c                                                                                                                  | 30 555                          | 27.63            | 49.59            | 108.79           | 0.1485 | 0.2665 | 0.5848 | 200.8           | 16 481                          | 36 584                          |     |  |  |
| -1 560c                                                                                                                  | 32 560                          | 33.26            | 58.99            | 108.83           | 0.1654 | 0.2933 | 0.5412 | 193.6           | 16 483                          | 37 589                          |     |  |  |
| 11 457                                                                                                                   | 33 565                          | 23.82            | 62.35            | 43.66            | 0.1834 | 0.4802 | 0.3362 | 130.4           | 20 501                          | -1 501c                         |     |  |  |
| 14 470                                                                                                                   | 33 570                          | 20.32            | 61.16            | 21.98            | 0.1963 | 0.5911 | 0.2125 | 113.9           | 23 516                          | -1 516c                         |     |  |  |
| 15 476                                                                                                                   | 34 575                          | 23.16            | 64.67            | 15.86            | 0.2233 | 0.6236 | 0.153  | 106.8           | 25 527                          | -1 527c                         |     |  |  |
| 15 479                                                                                                                   | 35 580                          | 26.79            | 68.21            | 12.86            | 0.2484 | 0.6323 | 0.1192 | 101.9           | 26 533                          | -1 533c                         |     |  |  |
| 16 482                                                                                                                   | 36 585                          | 30.86            | 71.55            | 11.32            | 0.2713 | 0.6291 | 0.0995 | 97.8            | 27 538                          | -1 538c                         |     |  |  |
| 16 483                                                                                                                   | 38 590                          | 39.43            | 77.69            | 10.27            | 0.3095 | 0.6098 | 0.0806 | 90.6            | 29 545                          | -1 545c                         |     |  |  |
| 16 484                                                                                                                   | 38 595                          | 39.36            | 77.48            | 9.51             | 0.3115 | 0.6131 | 0.0753 | 90.2            | 29 546                          | -1 546c                         |     |  |  |
| 17 485                                                                                                                   | 39 600                          | 43.82            | 80.11            | 9.08             | 0.3294 | 0.6022 | 0.0683 | 86.4            | 29 549                          | -1 549c                         |     |  |  |
| 17 486                                                                                                                   | 41 605                          | 52.63            | 84.8             | 8.79             | 0.3599 | 0.5799 | 0.0601 | 79.3            | 30 554                          | -1 554c                         |     |  |  |
| 17 486                                                                                                                   | 42 610                          | 56.71            | 86.69            | 8.56             | 0.3731 | 0.5704 | 0.0563 | 75.9            | 31 556                          | -1 556c                         |     |  |  |
| 17 487                                                                                                                   | 42 615                          | 56.7             | 86.61            | 8.39             | 0.3737 | 0.5709 | 0.0553 | 75.8            | 31 556                          | -1 556c                         |     |  |  |
| 17 487                                                                                                                   | 44 620                          | 63.72            | 89.71            | 8.27             | 0.394  | 0.5547 | 0.0511 | 70.1            | 31 559                          | -1 559c                         |     |  |  |
| 17 487                                                                                                                   | 44 625                          | 63.72            | 89.67            | 8.17             | 0.3943 | 0.555  | 0.0506 | 70.1            | 31 559                          | -1 559c                         |     |  |  |
| 17 487                                                                                                                   | 46 630                          | 68.83            | 91.75            | 8.09             | 0.408  | 0.5439 | 0.0479 | 66.0            | 32 561                          | 4 422                           |     |  |  |
| 17 487                                                                                                                   | 46 635                          | 68.83            | 91.72            | 8.03             | 0.4082 | 0.544  | 0.0476 | 66.0            | 32 561                          | 4 423                           |     |  |  |
| 17 488                                                                                                                   | 47 640                          | 70.78            | 92.48            | 7.98             | 0.4133 | 0.54   | 0.0466 | 64.4            | 32 562                          | 7 438                           |     |  |  |
| 17 488                                                                                                                   | 49 645                          | 73.6             | 93.55            | 7.94             | 0.4203 | 0.5342 | 0.0454 | 62.3            | 32 563                          | 9 449                           |     |  |  |
| 17 488                                                                                                                   | 50 650                          | 74.55            | 93.89            | 7.92             | 0.4227 | 0.5323 | 0.0449 | 61.5            | 32 564                          | 10 451                          |     |  |  |
| 17 488                                                                                                                   | 51 655                          | 75.28            | 94.15            | 7.9              | 0.4244 | 0.5309 | 0.0445 | 61.0            | 32 564                          | 10 453                          |     |  |  |
| 17 488                                                                                                                   | 52 660                          | 75.82            | 94.35            | 7.88             | 0.4258 | 0.5298 | 0.0443 | 60.5            | 32 564                          | 10 454                          |     |  |  |
| 17 488                                                                                                                   | 53 665                          | 76.22            | 94.49            | 7.87             | 0.4267 | 0.529  | 0.0441 | 60.2            | 32 564                          | 11 455                          |     |  |  |
| 17 488                                                                                                                   | 53 670                          | 76.22            | 94.49            | 7.87             | 0.4268 | 0.5291 | 0.044  | 60.2            | 32 564                          | 11 455                          |     |  |  |
| 17 488                                                                                                                   | 54 675                          | 76.51            | 94.59            | 7.86             | 0.4275 | 0.5285 | 0.0439 | 60.0            | 32 564                          | 11 456                          |     |  |  |
| 17 488                                                                                                                   | 56 680                          | 76.87            | 94.72            | 7.85             | 0.4283 | 0.5278 | 0.0437 | 59.7            | 32 564                          | 11 457                          |     |  |  |
| 17 488                                                                                                                   | 57 685                          | 76.96            | 94.75            | 7.85             | 0.4286 | 0.5276 | 0.0437 | 59.7            | 33 565                          | 11 457                          |     |  |  |
| 17 488                                                                                                                   | 58 690                          | 77.02            | 94.77            | 7.84             | 0.4287 | 0.5275 | 0.0436 | 59.6            | 33 565                          | 11 457                          |     |  |  |
| 380                                                                                                                      | 770                             | 95.04            | 100.0            | 108.89           | 0.3127 | 0.329  | 0.3582 | 0.0             |                                 |                                 |     |  |  |

see similar files: <http://130.149.60.45/~farbmetrik/SN63/SN63.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-SN63/SN63L0NP.PDF /.PS  
application for measurement of display output

TUB material: code=rha4ta

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for D50 and Y <sub>w</sub> =100, Y <sub>m</sub> =520_770 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |      |  |  |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|------|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                          | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 1 405                                                                                                                    | 32 564                          | 29.62            | 57.81            | 81.6             | 0.1752 | 0.3419 | 0.4827 | 185.5           | 17 486                          | 38 592                          | Cm   |  |  |
| 2 410                                                                                                                    | 32 564                          | 29.47            | 57.83            | 80.81            | 0.1753 | 0.3439 | 0.4806 | 184.8           | 17 486                          | 38 592                          |      |  |  |
| 2 415                                                                                                                    | 32 564                          | 29.5             | 57.87            | 80.81            | 0.1754 | 0.344  | 0.4804 | 184.8           | 17 486                          | 38 593                          |      |  |  |
| 3 420                                                                                                                    | 32 564                          | 29.25            | 57.94            | 79.37            | 0.1756 | 0.3478 | 0.4765 | 183.6           | 17 486                          | 38 594                          |      |  |  |
| 4 425                                                                                                                    | 33 565                          | 28.83            | 58.01            | 77.0             | 0.1759 | 0.354  | 0.4699 | 181.4           | 17 487                          | 39 596                          |      |  |  |
| 6 430                                                                                                                    | 33 565                          | 27.33            | 58.08            | 69.17            | 0.1768 | 0.3757 | 0.4474 | 174.1           | 17 489                          | 41 608                          |      |  |  |
| 7 435                                                                                                                    | 33 565                          | 26.33            | 58.18            | 63.49            | 0.1779 | 0.393  | 0.4289 | 168.3           | 18 490                          | 46 634                          |      |  |  |
| 8 440                                                                                                                    | 33 565                          | 25.22            | 58.31            | 56.95            | 0.1795 | 0.415  | 0.4053 | 161.1           | 18 492                          | -1 492c                         |      |  |  |
| 9 445                                                                                                                    | 33 565                          | 24.09            | 58.47            | 49.83            | 0.1819 | 0.4416 | 0.3763 | 153.0           | 18 494                          | -1 494c                         |      |  |  |
| 10 450                                                                                                                   | 33 566                          | 23.03            | 58.68            | 42.47            | 0.1854 | 0.4725 | 0.342  | 144.5           | 19 497                          | -1 497c                         |      |  |  |
| 10 455                                                                                                                   | 33 566                          | 23.42            | 59.17            | 42.47            | 0.1873 | 0.4731 | 0.3395 | 144.0           | 19 497                          | -1 497c                         |      |  |  |
| 12 460                                                                                                                   | 33 567                          | 21.47            | 59.3             | 28.27            | 0.1969 | 0.5437 | 0.2592 | 128.7           | 21 506                          | -1 506c                         |      |  |  |
| 13 465                                                                                                                   | 33 568                          | 21.31            | 59.95            | 22.16            | 0.206  | 0.5796 | 0.2143 | 122.2           | 22 511                          | -1 511c                         |      |  |  |
| 14 470                                                                                                                   | 34 570                          | 21.86            | 61.04            | 17.05            | 0.2187 | 0.6106 | 0.1706 | 116.7           | 23 519                          | -1 519c                         |      |  |  |
| 15 475                                                                                                                   | 34 573                          | 23.55            | 62.89            | 12.91            | 0.237  | 0.6329 | 0.1299 | 111.5           | 25 527                          | -1 527c                         | Gm   |  |  |
| 15 480                                                                                                                   | 35 578                          | 27.61            | 66.91            | 12.92            | 0.2569 | 0.6227 | 0.1202 | 108.5           | 26 531                          | -1 531c                         |      |  |  |
| 17 485                                                                                                                   | 37 587                          | 35.32            | 72.24            | 7.33             | 0.3074 | 0.6287 | 0.0637 | 98.0            | 28 544                          | -1 544c                         |      |  |  |
| 18 490                                                                                                                   | 44 620                          | 65.61            | 88.02            | 5.54             | 0.4122 | 0.5529 | 0.0348 | 71.0            | 32 561                          | -1 561c                         |      |  |  |
| 19 495                                                                                                                   | -1 495c                         | 83.11            | 93.65            | 4.13             | 0.4594 | 0.5177 | 0.0228 | 54.4            | 33 568                          | 12 463                          |      |  |  |
| 20 500                                                                                                                   | -1 500c                         | 83.09            | 91.98            | 3.02             | 0.4665 | 0.5164 | 0.0169 | 52.5            | 33 569                          | 13 466                          |      |  |  |
| 20 505                                                                                                                   | -1 504c                         | 83.09            | 91.98            | 3.02             | 0.4665 | 0.5164 | 0.0169 | 52.5            | 33 569                          | 13 466                          |      |  |  |
| 22 510                                                                                                                   | -1 510c                         | 82.98            | 87.33            | 1.55             | 0.4827 | 0.5081 | 0.009  | 47.4            | 34 571                          | 14 471                          |      |  |  |
| 22 515                                                                                                                   | -1 514c                         | 82.98            | 87.33            | 1.55             | 0.4827 | 0.5081 | 0.009  | 47.4            | 34 571                          | 14 471                          |      |  |  |
| 23 520                                                                                                                   | -1 519c                         | 82.76            | 84.29            | 1.11             | 0.4921 | 0.5012 | 0.0066 | 44.2            | 34 572                          | 14 473                          | Ym   |  |  |
| 25 525                                                                                                                   | -1 525c                         | 81.69            | 76.8             | 0.56             | 0.5136 | 0.4828 | 0.0035 | 36.4            | 35 575                          | 15 477                          |      |  |  |
| 25 530                                                                                                                   | -1 529c                         | 81.69            | 76.8             | 0.56             | 0.5136 | 0.4828 | 0.0035 | 36.4            | 35 575                          | 15 477                          |      |  |  |
| 26 535                                                                                                                   | -1 534c                         | 80.75            | 72.49            | 0.38             | 0.5255 | 0.4718 | 0.0025 | 32.1            | 35 577                          | 15 479                          |      |  |  |
| 27 540                                                                                                                   | -1 539c                         | 79.51            | 68.0             | 0.26             | 0.538  | 0.4601 | 0.0018 | 27.8            | 35 579                          | 16 480                          |      |  |  |
| 28 545                                                                                                                   | -1 544c                         | 77.94            | 63.34            | 0.18             | 0.5509 | 0.4477 | 0.0013 | 23.4            | 36 581                          | 16 481                          |      |  |  |
| 29 550                                                                                                                   | -1 549c                         | 76.02            | 58.55            | 0.13             | 0.5643 | 0.4346 | 0.0009 | 19.1            | 36 583                          | 16 483                          |      |  |  |
| 30 555                                                                                                                   | -1 554c                         | 73.73            | 53.72            | 0.09             | 0.578  | 0.4211 | 0.0007 | 15.0            | 37 585                          | 16 484                          |      |  |  |
| 32 560                                                                                                                   | -1 560c                         | 68.07            | 44.27            | 0.05             | 0.6055 | 0.3938 | 0.0005 | 7.7             | 38 590                          | 17 486                          |      |  |  |
| 32 565                                                                                                                   | 4 423                           | 69.36            | 44.31            | 6.26             | 0.5782 | 0.3694 | 0.0522 | 2.6             | 39 595                          | 17 487                          |      |  |  |
| 33 570                                                                                                                   | 13 468                          | 76.23            | 41.3             | 61.54            | 0.4256 | 0.2306 | 0.3436 | 302.0           | -1 512c                         | 22 512                          |      |  |  |
| 34 575                                                                                                                   | 15 477                          | 73.53            | 37.81            | 69.21            | 0.4072 | 0.2094 | 0.3833 | 292.4           | -1 526c                         | 25 526                          |      |  |  |
| 35 580                                                                                                                   | 16 481                          | 69.73            | 34.19            | 72.11            | 0.3961 | 0.1942 | 0.4096 | 287.0           | -1 534c                         | 26 534                          |      |  |  |
| 36 585                                                                                                                   | 16 484                          | 65.47            | 30.68            | 73.6             | 0.3856 | 0.1807 | 0.4335 | 282.7           | -1 539c                         | 27 539                          |      |  |  |
| 38 590                                                                                                                   | 17 485                          | 56.33            | 24.17            | 74.49            | 0.3634 | 0.1559 | 0.4805 | 275.0           | -1 547c                         | 29 547                          |      |  |  |
| 38 595                                                                                                                   | 17 487                          | 56.37            | 24.41            | 75.01            | 0.3618 | 0.1566 | 0.4814 | 274.5           | -1 547c                         | 29 547                          |      |  |  |
| 39 600                                                                                                                   | 17 488                          | 51.52            | 21.53            | 75.4             | 0.347  | 0.145  | 0.5078 | 270.3           | -1 550c                         | 30 550                          |      |  |  |
| 40 605                                                                                                                   | 17 488                          | 46.62            | 18.86            | 75.68            | 0.3302 | 0.1336 | 0.536  | 266.0           | -1 553c                         | 30 553                          |      |  |  |
| 42 610                                                                                                                   | 17 489                          | 37.23            | 14.21            | 75.89            | 0.2924 | 0.1116 | 0.5959 | 257.8           | -1 558c                         | 31 558                          |      |  |  |
| 42 615                                                                                                                   | 17 489                          | 37.24            | 14.28            | 76.04            | 0.2919 | 0.1119 | 0.596  | 257.7           | -1 558c                         | 31 558                          |      |  |  |
| 44 620                                                                                                                   | 17 490                          | 29.26            | 10.75            | 76.16            | 0.2519 | 0.0925 | 0.6555 | 250.5           | -1 561c                         | 32 561                          |      |  |  |
| 45 625                                                                                                                   | 18 490                          | 26.06            | 9.45             | 76.23            | 0.2332 | 0.0846 | 0.6821 | 247.6           | -1 563c                         | 32 563                          |      |  |  |
| 46 630                                                                                                                   | 18 490                          | 23.35            | 8.39             | 76.28            | 0.2161 | 0.0776 | 0.7061 | 245.2           | -1 564c                         | 32 564                          |      |  |  |
| 47 635                                                                                                                   | 18 490                          | 21.04            | 7.51             | 76.33            | 0.2006 | 0.0716 | 0.7277 | 243.1           | 5 426                           | 33 565                          |      |  |  |
| 48 640                                                                                                                   | 18 490                          | 19.15            | 6.8              | 76.36            | 0.1871 | 0.0665 | 0.7462 | 241.5           | 8 442                           | 33 565                          |      |  |  |
| 49 645                                                                                                                   | 18 490                          | 17.67            | 6.25             | 76.39            | 0.1761 | 0.0623 | 0.7614 | 240.2           | 9 448                           | 33 566                          |      |  |  |
| 50 650                                                                                                                   | 18 490                          | 16.52            | 5.84             | 76.41            | 0.1673 | 0.0591 | 0.7735 | 239.2           | 10 452                          | 33 566                          |      |  |  |
| 51 655                                                                                                                   | 18 490                          | 15.63            | 5.52             | 76.42            | 0.1602 | 0.0565 | 0.7831 | 238.4           | 11 455                          | 33 566                          |      |  |  |
| 52 660                                                                                                                   | 18 490                          | 14.96            | 5.28             | 76.43            | 0.1547 | 0.0546 | 0.7906 | 237.8           | 11 456                          | 33 567                          |      |  |  |
| 53 665                                                                                                                   | 18 490                          | 14.45            | 5.09             | 76.44            | 0.1505 | 0.0531 | 0.7962 | 237.4           | 11 457                          | 33 567                          |      |  |  |
| 54 670                                                                                                                   | 18 490                          | 14.09            | 4.96             | 76.45            | 0.1475 | 0.052  | 0.8004 | 237.1           | 11 458                          | 33 567                          |      |  |  |
| 55 675                                                                                                                   | 18 490                          | 13.82            | 4.87             | 76.45            | 0.1453 | 0.0512 | 0.8034 | 236.9           | 11 459                          | 33 567                          |      |  |  |
| 55 680                                                                                                                   | 18 490                          | 13.82            | 4.88             | 76.46            | 0.1452 | 0.0513 | 0.8034 | 236.8           | 11 459                          | 33 567                          |      |  |  |
| 57 685                                                                                                                   | 18 490                          | 13.52            | 4.77             | 76.46            | 0.1427 | 0.0503 | 0.8069 | 236.6           | 11 459                          | 33 567                          |      |  |  |
| 58 690                                                                                                                   | 18 490                          | 13.44            | 4.74             | 76.46            | 0.142  | 0.0501 | 0.8078 | 236.5           | 12 460                          | 33 567                          |      |  |  |
| 380                                                                                                                      | 770                             | 96.42            | 100.0            | 82.49            | 0.3457 | 0.3585 | 0.2957 | 0.0             |                                 |                                 |      |  |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for D50 and Y <sub>w</sub> =100, B <sub>m</sub> =380_520 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |      |  |  |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|------|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                          | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 32 564                                                                                                                   | 1 405                           | 66.79            | 42.18            | 0.88             | 0.6079 | 0.3839 | 0.008  | 5.5             | 38 592                          | 17 486                          | Rn   |  |  |
| 32 564                                                                                                                   | 2 410                           | 66.94            | 42.16            | 1.68             | 0.6042 | 0.3805 | 0.0151 | 4.8             | 38 592                          | 17 486                          |      |  |  |
| 32 564                                                                                                                   | 2 415                           | 66.91            | 42.12            | 1.68             | 0.6043 | 0.3804 | 0.0151 | 4.8             | 38 593                          | 17 486                          |      |  |  |
| 32 564                                                                                                                   | 3 420                           | 67.16            | 42.05            | 3.11             | 0.5978 | 0.3743 | 0.0277 | 3.5             | 38 594                          | 17 486                          |      |  |  |
| 33 565                                                                                                                   | 4 425                           | 67.59            | 41.98            | 5.49             | 0.5873 | 0.3648 | 0.0477 | 1.4             | 39 596                          | 17 487                          |      |  |  |
| 33 565                                                                                                                   | 6 430                           | 69.08            | 41.91            | 13.32            | 0.5556 | 0.3371 | 0.1071 | 354.1           | 41 608                          | 17 489                          |      |  |  |
| 33 565                                                                                                                   | 7 435                           | 70.08            | 41.81            | 18.99            | 0.5354 | 0.3194 | 0.1451 | 348.3           | 46 634                          | 18 490                          |      |  |  |
| 33 565                                                                                                                   | 8 440                           | 71.19            | 41.68            | 25.54            | 0.5143 | 0.3011 | 0.1845 | 341.2           | -1 492c                         | 18 492                          |      |  |  |
| 33 565                                                                                                                   | 9 445                           | 72.32            | 41.52            | 32.65            | 0.4936 | 0.2834 | 0.2229 | 333.1           | -1 494c                         | 18 494                          |      |  |  |
| 33 566                                                                                                                   | 10 450                          | 73.38            | 41.31            | 40.02            | 0.4743 | 0.267  | 0.2586 | 324.5           | -1 497c                         | 19 497                          |      |  |  |
| 33 566                                                                                                                   | 10 455                          | 72.99            | 40.82            | 40.02            | 0.4744 | 0.2653 | 0.2601 | 324.1           | -1 497c                         | 19 497                          |      |  |  |
| 33 567                                                                                                                   | 12 460                          | 74.94            | 40.69            | 54.22            | 0.4412 | 0.2395 | 0.3191 | 308.7           | -1 506c                         | 21 506                          |      |  |  |
| 33 568                                                                                                                   | 13 465                          | 75.1             | 40.04            | 60.32            | 0.428  | 0.2281 | 0.3437 | 302.3           | -1 511c                         | 22 511                          |      |  |  |
| 34 570                                                                                                                   | 14 470                          | 74.55            | 38.95            | 65.43            | 0.4166 | 0.2176 | 0.3656 | 296.7           | -1 519c                         | 23 519                          |      |  |  |
| 34 573                                                                                                                   | 15 475                          | 72.86            | 37.1             | 69.58            | 0.4058 | 0.2066 | 0.3875 | 291.6           | -1 527c                         | 25 527                          | Mn   |  |  |
| 35 578                                                                                                                   | 15 480                          | 68.81            | 33.08            | 69.57            | 0.4013 | 0.1929 | 0.4057 | 288.5           | -1 531c                         | 26 531                          |      |  |  |
| 37 587                                                                                                                   | 17 485                          | 61.09            | 27.75            | 75.16            | 0.3724 | 0.1692 | 0.4582 | 278.0           | -1 544c                         | 28 544                          |      |  |  |
| 44 620                                                                                                                   | 18 490                          | 30.81            | 11.97            | 76.95            | 0.2573 | 0.1    | 0.6426 | 251.1           | -1 561c                         | 32 561                          |      |  |  |
| -1 495c                                                                                                                  | 19 495                          | 13.31            | 6.34             | 78.36            | 0.1357 | 0.0647 | 0.7994 | 234.4           | 12 463                          | 33 568                          |      |  |  |
| -1 500c                                                                                                                  | 20 500                          | 13.32            | 8.01             | 79.46            | 0.1321 | 0.0794 | 0.7883 | 232.5           | 13 466                          | 33 569                          |      |  |  |
| -1 504c                                                                                                                  | 20 505                          | 13.32            | 8.01             | 79.46            | 0.1321 | 0.0794 | 0.7883 | 232.5           | 13 466                          | 33 569                          |      |  |  |
| -1 510c                                                                                                                  | 22 510                          | 13.44            | 12.66            | 80.94            | 0.1255 | 0.1182 | 0.7561 | 227.5           | 14 471                          | 34 571                          |      |  |  |
| -1 514c                                                                                                                  | 22 515                          | 13.44            | 12.66            | 80.94            | 0.1255 | 0.1182 | 0.7561 | 227.5           | 14 471                          | 34 571                          |      |  |  |
| -1 519c                                                                                                                  | 23 520                          | 13.65            | 15.7             | 81.37            | 0.1233 | 0.1418 | 0.7348 | 224.2           | 14 473                          | 34 572                          | Bn   |  |  |
| -1 525c                                                                                                                  | 25 525                          | 14.72            | 23.19            | 81.93            | 0.1228 | 0.1935 | 0.6836 | 216.5           | 15 477                          | 35 575                          |      |  |  |
| -1 529c                                                                                                                  | 25 530                          | 14.72            | 23.19            | 81.93            | 0.1228 | 0.1935 | 0.6836 | 216.5           | 15 477                          | 35 575                          |      |  |  |
| -1 534c                                                                                                                  | 26 535                          | 15.67            | 27.5             | 82.1             | 0.125  | 0.2195 | 0.6553 | 212.2           | 15 479                          | 35 577                          |      |  |  |
| -1 539c                                                                                                                  | 27 540                          | 16.91            | 31.99            | 82.22            | 0.1289 | 0.244  | 0.627  | 207.8           | 16 480                          | 35 579                          |      |  |  |
| -1 544c                                                                                                                  | 28 545                          | 18.47            | 36.65            | 82.3             | 0.1344 | 0.2666 | 0.5988 | 203.5           | 16 481                          | 36 581                          |      |  |  |
| -1 549c                                                                                                                  | 29 550                          | 20.4             | 41.44            | 82.36            | 0.1414 | 0.2873 | 0.5711 | 199.2           | 16 483                          | 36 583                          |      |  |  |
| -1 554c                                                                                                                  | 30 555                          | 22.69            | 46.27            | 82.39            | 0.1499 | 0.3057 | 0.5443 | 195.0           | 16 484                          | 37 585                          |      |  |  |
| -1 560c                                                                                                                  | 32 560                          | 28.35            | 55.72            | 82.43            | 0.1702 | 0.3346 | 0.495  | 187.7           | 17 486                          | 38 590                          |      |  |  |
| 4 423                                                                                                                    | 32 565                          | 27.05            | 55.68            | 76.22            | 0.1702 | 0.3502 | 0.4795 | 182.6           | 17 487                          | 39 595                          |      |  |  |
| 13 468                                                                                                                   | 33 570                          | 20.18            | 58.69            | 20.95            | 0.2022 | 0.5878 | 0.2098 | 122.0           | 22 512                          | -1 512c                         |      |  |  |
| 15 477                                                                                                                   | 34 575                          | 22.88            | 62.18            | 13.28            | 0.2326 | 0.6322 | 0.135  | 112.4           | 25 526                          | -1 526c                         |      |  |  |
| 16 481                                                                                                                   | 35 580                          | 26.68            | 65.8             | 10.37            | 0.2594 | 0.6396 | 0.1008 | 107.0           | 26 534                          | -1 534c                         |      |  |  |
| 16 484                                                                                                                   | 36 585                          | 30.94            | 69.31            | 8.89             | 0.2835 | 0.635  | 0.0814 | 102.6           | 27 539                          | -1 539c                         |      |  |  |
| 17 485                                                                                                                   | 38 590                          | 40.08            | 75.82            | 8.0              | 0.3234 | 0.6119 | 0.0646 | 94.9            | 29 547                          | -1 547c                         |      |  |  |
| 17 487                                                                                                                   | 38 595                          | 40.04            | 75.58            | 7.48             | 0.3252 | 0.6139 | 0.0607 | 94.5            | 29 547                          | -1 547c                         |      |  |  |
| 17 488                                                                                                                   | 39 600                          | 44.89            | 78.46            | 7.09             | 0.3441 | 0.6014 | 0.0543 | 90.3            | 30 550                          | -1 550c                         |      |  |  |
| 17 488                                                                                                                   | 40 605                          | 49.79            | 81.13            | 6.81             | 0.3615 | 0.589  | 0.0494 | 86.0            | 30 553                          | -1 553c                         |      |  |  |
| 17 489                                                                                                                   | 42 610                          | 59.18            | 85.78            | 6.6              | 0.3904 | 0.5659 | 0.0435 | 77.3            | 31 558                          | -1 558c                         |      |  |  |
| 17 489                                                                                                                   | 42 615                          | 59.17            | 85.71            | 6.45             | 0.391  | 0.5663 | 0.0426 | 77.6            | 31 558                          | -1 558c                         |      |  |  |
| 17 490                                                                                                                   | 44 620                          | 67.15            | 89.24            | 6.33             | 0.4126 | 0.5484 | 0.0389 | 70.5            | 32 561                          | -1 561c                         |      |  |  |
| 18 490                                                                                                                   | 45 625                          | 70.35            | 90.54            | 6.26             | 0.4208 | 0.5416 | 0.0374 | 67.6            | 32 563                          | -1 563c                         |      |  |  |
| 18 490                                                                                                                   | 46 630                          | 73.07            | 91.6             | 6.2              | 0.4276 | 0.536  | 0.0363 | 65.2            | 32 564                          | -1 564c                         |      |  |  |
| 18 490                                                                                                                   | 47 635                          | 75.37            | 92.48            | 6.16             | 0.4331 | 0.5314 | 0.0354 | 63.1            | 33 565                          | 5 426                           |      |  |  |
| 18 490                                                                                                                   | 48 640                          | 77.26            | 93.19            | 6.12             | 0.4375 | 0.5277 | 0.0346 | 61.4            | 33 565                          | 8 442                           |      |  |  |
| 18 490                                                                                                                   | 49 645                          | 78.74            | 93.74            | 6.1              | 0.4409 | 0.5248 | 0.0341 | 60.1            | 33 566                          | 9 448                           |      |  |  |
| 18 490                                                                                                                   | 50 650                          | 79.89            | 94.15            | 6.08             | 0.4435 | 0.5227 | 0.0337 | 59.1            | 33 566                          | 10 452                          |      |  |  |
| 18 490                                                                                                                   | 51 655                          | 80.78            | 94.47            | 6.06             | 0.4455 | 0.521  | 0.0334 | 58.4            | 33 566                          | 11 455                          |      |  |  |
| 18 490                                                                                                                   | 52 660                          | 81.46            | 94.71            | 6.05             | 0.447  | 0.5197 | 0.0332 | 57.8            | 33 567                          | 11 456                          |      |  |  |
| 18 490                                                                                                                   | 53 665                          | 81.96            | 94.9             | 6.05             | 0.448  | 0.5188 | 0.033  | 57.4            | 33 567                          | 11 457                          |      |  |  |
| 18 490                                                                                                                   | 54 670                          | 82.33            | 95.03            | 6.04             | 0.4489 | 0.5181 | 0.0329 | 57.0            | 33 567                          | 11 458                          |      |  |  |
| 18 490                                                                                                                   | 55 675                          | 82.59            | 95.12            | 6.03             | 0.4494 | 0.5176 | 0.0328 | 56.8            | 33 567                          | 11 459                          |      |  |  |
| 18 490                                                                                                                   | 55 680                          | 82.59            | 95.11            | 6.03             | 0.4495 | 0.5176 | 0.0328 | 56.8            | 33 567                          | 11 459                          |      |  |  |
| 18 490                                                                                                                   | 57 685                          | 82.89            | 95.22            | 6.03             | 0.4501 | 0.517  | 0.0327 | 56.6            | 33 567                          | 11 459                          |      |  |  |
| 18 490                                                                                                                   | 58 690                          | 82.97            | 95.25            | 6.02             | 0.4503 | 0.5169 | 0.0327 | 56.5            | 33 567                          | 12 460                          |      |  |  |
| 380                                                                                                                      | 770                             | 96.42            | 100.0            | 82.49            | 0.3457 | 0.3585 | 0.2957 | 0.0             |                                 |                                 |      |  |  |

see similar files: <http://130.149.60.45/~farbmeterik/SN63/SN63L0NP.PDF> / .PS  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmeterik>

TUB registration: 20130201-SN63/SN63L0NP.PDF /.PS  
application for measurement of display output  
TUB material: code=rha4ta

| CIE data for all optimal colours of maximum (m) $C_{AB}$ for P40 and $Y_w=100$ , $Y_m=520\_770$ |                  |           |           |           |        |        |        |          |                  |                  |      |  |  |
|-------------------------------------------------------------------------------------------------|------------------|-----------|-----------|-----------|--------|--------|--------|----------|------------------|------------------|------|--|--|
| $i_1, \lambda_1$                                                                                | $i_2, \lambda_2$ | $X_{100}$ | $Y_{100}$ | $Z_{100}$ | x      | y      | z      | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ | Code |  |  |
| 0 405                                                                                           | 33 568           | 28.76     | 56.58     | 64.26     | 0.1922 | 0.3782 | 0.4295 | 179.4    | 17 488           | 38 594           | Cm   |  |  |
| 2 410                                                                                           | 33 568           | 28.57     | 56.59     | 63.27     | 0.1924 | 0.3812 | 0.4262 | 178.5    | 17 488           | 39 595           |      |  |  |
| 2 415                                                                                           | 33 568           | 28.59     | 56.62     | 63.27     | 0.1925 | 0.3813 | 0.4261 | 178.5    | 17 488           | 39 595           |      |  |  |
| 4 420                                                                                           | 33 568           | 27.97     | 56.66     | 60.05     | 0.1933 | 0.3916 | 0.415  | 175.3    | 17 489           | 39 599           |      |  |  |
| 4 425                                                                                           | 33 568           | 28.02     | 56.73     | 60.05     | 0.1935 | 0.3917 | 0.4146 | 175.3    | 17 489           | 39 599           |      |  |  |
| 6 430                                                                                           | 33 568           | 26.68     | 56.77     | 53.06     | 0.1954 | 0.4158 | 0.3886 | 167.9    | 18 491           | 42 614           |      |  |  |
| 7 435                                                                                           | 33 568           | 25.87     | 56.85     | 48.49     | 0.1971 | 0.4333 | 0.3695 | 162.7    | 18 493           | 54 674           |      |  |  |
| 8 440                                                                                           | 33 568           | 25.03     | 56.96     | 43.53     | 0.1994 | 0.4537 | 0.3467 | 156.8    | 18 494           | -1 494c          |      |  |  |
| 9 445                                                                                           | 33 569           | 24.23     | 57.1      | 38.36     | 0.2024 | 0.477  | 0.3204 | 150.4    | 19 497           | -1 497c          |      |  |  |
| 10 450                                                                                          | 33 569           | 23.49     | 57.27     | 33.07     | 0.2063 | 0.5031 | 0.2905 | 143.8    | 19 499           | -1 499c          |      |  |  |
| 11 455                                                                                          | 33 569           | 22.86     | 57.5      | 27.78     | 0.2113 | 0.5317 | 0.2568 | 137.3    | 20 503           | -1 503c          |      |  |  |
| 12 460                                                                                          | 34 570           | 22.45     | 57.79     | 22.67     | 0.2181 | 0.5615 | 0.2202 | 131.1    | 21 507           | -1 507c          |      |  |  |
| 13 465                                                                                          | 34 571           | 22.44     | 58.31     | 18.03     | 0.2271 | 0.5902 | 0.1825 | 125.5    | 22 512           | -1 512c          |      |  |  |
| 14 470                                                                                          | 34 572           | 22.98     | 59.17     | 14.1      | 0.2387 | 0.6147 | 0.1464 | 120.6    | 23 519           | -1 519c          |      |  |  |
| 14 475                                                                                          | 34 574           | 24.78     | 61.12     | 14.1      | 0.2477 | 0.6111 | 0.141  | 119.3    | 24 522           | -1 522c          | Gm   |  |  |
| 15 480                                                                                          | 35 578           | 27.65     | 63.82     | 10.88     | 0.2701 | 0.6234 | 0.1063 | 113.9    | 26 531           | -1 531c          |      |  |  |
| 17 485                                                                                          | 37 585           | 33.55     | 68.02     | 6.37      | 0.3108 | 0.6301 | 0.059  | 105.2    | 28 543           | -1 543c          |      |  |  |
| 17 490                                                                                          | 40 600           | 50.32     | 79.03     | 6.38      | 0.3707 | 0.5822 | 0.047  | 92.5     | 30 554           | -1 554c          |      |  |  |
| 19 495                                                                                          | -1 495c          | 90.57     | 94.87     | 3.66      | 0.4789 | 0.5016 | 0.0193 | 51.6     | 34 571           | 12 464           |      |  |  |
| 20 500                                                                                          | -1 500c          | 90.56     | 93.44     | 2.71      | 0.485  | 0.5004 | 0.0145 | 49.6     | 34 571           | 13 467           |      |  |  |
| 21 505                                                                                          | -1 505c          | 90.54     | 91.62     | 1.97      | 0.4916 | 0.4975 | 0.0107 | 47.2     | 34 572           | 13 469           |      |  |  |
| 21 510                                                                                          | -1 509c          | 90.54     | 91.62     | 1.97      | 0.4916 | 0.4975 | 0.0107 | 47.2     | 34 572           | 13 469           |      |  |  |
| 23 515                                                                                          | -1 515c          | 90.27     | 86.6      | 1.03      | 0.5073 | 0.4867 | 0.0058 | 40.8     | 34 574           | 14 474           |      |  |  |
| 24 520                                                                                          | -1 520c          | 89.9      | 83.41     | 0.74      | 0.5164 | 0.4792 | 0.0042 | 36.9     | 35 575           | 15 476           | Ym   |  |  |
| 24 525                                                                                          | -1 524c          | 89.9      | 83.41     | 0.74      | 0.5164 | 0.4792 | 0.0042 | 36.9     | 35 575           | 15 476           |      |  |  |
| 26 530                                                                                          | -1 530c          | 88.44     | 75.94     | 0.37      | 0.5368 | 0.4609 | 0.0022 | 28.2     | 35 578           | 16 480           |      |  |  |
| 27 535                                                                                          | -1 535c          | 87.29     | 71.77     | 0.26      | 0.5478 | 0.4504 | 0.0016 | 23.7     | 36 580           | 16 481           |      |  |  |
| 27 540                                                                                          | -1 539c          | 87.29     | 71.77     | 0.26      | 0.5478 | 0.4504 | 0.0016 | 23.7     | 36 580           | 16 481           |      |  |  |
| 29 545                                                                                          | -1 545c          | 84.0      | 62.86     | 0.13      | 0.5714 | 0.4276 | 0.0009 | 14.9     | 36 584           | 16 484           |      |  |  |
| 29 550                                                                                          | -1 549c          | 84.0      | 62.86     | 0.13      | 0.5714 | 0.4276 | 0.0009 | 14.9     | 36 584           | 16 484           |      |  |  |
| 31 555                                                                                          | -1 555c          | 79.18     | 53.5      | 0.07      | 0.5963 | 0.403  | 0.0006 | 6.9      | 37 588           | 17 486           |      |  |  |
| 32 560                                                                                          | -1 560c          | 76.14     | 48.79     | 0.06      | 0.6091 | 0.3903 | 0.0005 | 3.4      | 38 591           | 17 487           |      |  |  |
| 33 565                                                                                          | -1 565c          | 72.65     | 44.12     | 0.05      | 0.6218 | 0.3776 | 0.0004 | 0.2      | 38 593           | 17 488           |      |  |  |
| 33 570                                                                                          | 11 455           | 79.56     | 44.67     | 35.18     | 0.499  | 0.2802 | 0.2207 | 321.0    | -1 501c          | 20 501           |      |  |  |
| 35 575                                                                                          | 15 475           | 74.01     | 36.8      | 52.52     | 0.4531 | 0.2253 | 0.3215 | 295.8    | -1 528c          | 25 528           |      |  |  |
| 35 580                                                                                          | 16 481           | 74.39     | 37.44     | 55.89     | 0.4435 | 0.2232 | 0.3332 | 292.5    | -1 533c          | 26 533           |      |  |  |
| 36 585                                                                                          | 16 485           | 69.8      | 33.66     | 57.45     | 0.4337 | 0.2091 | 0.357  | 287.8    | -1 540c          | 28 540           |      |  |  |
| 37 590                                                                                          | 17 487           | 64.79     | 30.03     | 58.22     | 0.4233 | 0.1962 | 0.3803 | 283.5    | -1 545c          | 29 545           |      |  |  |
| 39 595                                                                                          | 17 488           | 54.08     | 23.16     | 58.74     | 0.3976 | 0.1703 | 0.4319 | 274.9    | -1 552c          | 30 552           |      |  |  |
| 40 600                                                                                          | 17 489           | 48.64     | 20.23     | 59.12     | 0.38   | 0.158  | 0.4618 | 270.0    | -1 555c          | 31 555           |      |  |  |
| 40 605                                                                                          | 18 490           | 48.65     | 20.38     | 59.34     | 0.3789 | 0.1588 | 0.4622 | 269.7    | -1 556c          | 31 556           |      |  |  |
| 41 610                                                                                          | 18 491           | 43.31     | 17.71     | 59.5      | 0.3593 | 0.1469 | 0.4936 | 264.8    | -1 558c          | 31 558           |      |  |  |
| 43 615                                                                                          | 18 491           | 33.46     | 13.13     | 59.61     | 0.315  | 0.1236 | 0.5612 | 255.6    | -1 562c          | 32 562           |      |  |  |
| 44 620                                                                                          | 18 492           | 29.18     | 11.32     | 59.7      | 0.2912 | 0.113  | 0.5957 | 251.3    | -1 564c          | 32 564           |      |  |  |
| 45 625                                                                                          | 18 492           | 25.44     | 9.8       | 59.77     | 0.2678 | 0.1031 | 0.6289 | 247.7    | -1 565c          | 33 565           |      |  |  |
| 45 630                                                                                          | 18 492           | 25.45     | 9.84      | 59.82     | 0.2675 | 0.1035 | 0.6289 | 247.6    | -1 565c          | 33 565           |      |  |  |
| 47 635                                                                                          | 18 492           | 19.57     | 7.51      | 59.86     | 0.2251 | 0.0864 | 0.6884 | 241.9    | -1 567c          | 33 567           |      |  |  |
| 48 640                                                                                          | 18 492           | 17.37     | 6.68      | 59.9      | 0.2069 | 0.0796 | 0.7134 | 239.7    | 6 432            | 33 568           |      |  |  |
| 49 645                                                                                          | 18 492           | 15.6      | 6.03      | 59.92     | 0.1913 | 0.0739 | 0.7346 | 238.0    | 9 445            | 33 569           |      |  |  |
| 50 650                                                                                          | 18 492           | 14.22     | 5.52      | 59.94     | 0.1785 | 0.0693 | 0.7521 | 236.7    | 10 451           | 33 569           |      |  |  |
| 51 655                                                                                          | 18 493           | 13.17     | 5.14      | 59.95     | 0.1682 | 0.0657 | 0.766  | 235.7    | 11 455           | 33 569           |      |  |  |
| 51 660                                                                                          | 18 493           | 13.17     | 5.14      | 59.96     | 0.1682 | 0.0657 | 0.7659 | 235.7    | 11 455           | 33 569           |      |  |  |
| 52 665                                                                                          | 18 493           | 12.37     | 4.86      | 59.97     | 0.1603 | 0.0629 | 0.7766 | 234.9    | 11 457           | 34 570           |      |  |  |
| 54 670                                                                                          | 18 493           | 11.37     | 4.5       | 59.97     | 0.15   | 0.0593 | 0.7906 | 234.0    | 11 459           | 34 570           |      |  |  |
| 55 675                                                                                          | 18 493           | 11.07     | 4.39      | 59.98     | 0.1467 | 0.0582 | 0.795  | 233.7    | 12 460           | 34 570           |      |  |  |
| 56 680                                                                                          | 18 493           | 10.84     | 4.31      | 59.98     | 0.1443 | 0.0574 | 0.7982 | 233.5    | 12 460           | 34 570           |      |  |  |
| 57 685                                                                                          | 18 493           | 10.69     | 4.26      | 59.99     | 0.1426 | 0.0568 | 0.8004 | 233.4    | 12 461           | 34 570           |      |  |  |
| 58 690                                                                                          | 18 493           | 10.58     | 4.22      | 59.99     | 0.1415 | 0.0564 | 0.802  | 233.3    | 12 461           | 34 570           |      |  |  |
| 380                                                                                             | 770              | 100.93    | 100.0     | 64.68     | 0.3799 | 0.3764 | 0.2435 | 0.0      |                  |                  |      |  |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for P40 and Y <sub>w</sub> =100, B <sub>m</sub> =380_520 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |     |  |  |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|-----|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                          | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Cod |  |  |
| 33 568                                                                                                                   | 0 405                           | 72.16            | 43.41            | 0.42             | 0.622  | 0.3742 | 0.0037 | 359.4           | 38 594                          | 17 488                          | Rm  |  |  |
| 33 568                                                                                                                   | 2 410                           | 72.36            | 43.4             | 1.41             | 0.6175 | 0.3704 | 0.012  | 358.5           | 39 595                          | 17 488                          |     |  |  |
| 33 568                                                                                                                   | 2 415                           | 72.33            | 43.37            | 1.41             | 0.6176 | 0.3703 | 0.012  | 358.5           | 39 595                          | 17 488                          |     |  |  |
| 33 568                                                                                                                   | 4 420                           | 72.96            | 43.33            | 4.63             | 0.6033 | 0.3583 | 0.0383 | 355.3           | 39 599                          | 17 489                          |     |  |  |
| 33 568                                                                                                                   | 4 425                           | 72.9             | 43.26            | 4.63             | 0.6034 | 0.3581 | 0.0383 | 355.3           | 39 599                          | 17 489                          |     |  |  |
| 33 568                                                                                                                   | 6 430                           | 74.24            | 43.22            | 11.62            | 0.5751 | 0.3347 | 0.09   | 347.9           | 42 614                          | 18 491                          |     |  |  |
| 33 568                                                                                                                   | 7 435                           | 75.05            | 43.14            | 16.19            | 0.5584 | 0.3209 | 0.1205 | 342.7           | 54 674                          | 18 493                          |     |  |  |
| 33 568                                                                                                                   | 8 440                           | 75.89            | 43.03            | 21.15            | 0.5417 | 0.3072 | 0.151  | 336.8           | -1 494c                         | 18 494                          |     |  |  |
| 33 569                                                                                                                   | 9 445                           | 76.69            | 42.89            | 26.32            | 0.5256 | 0.2939 | 0.1804 | 330.4           | -1 497c                         | 19 497                          |     |  |  |
| 33 569                                                                                                                   | 10 450                          | 77.44            | 42.72            | 31.61            | 0.5102 | 0.2814 | 0.2082 | 323.9           | -1 499c                         | 19 499                          |     |  |  |
| 33 569                                                                                                                   | 11 455                          | 78.07            | 42.49            | 36.9             | 0.4957 | 0.2698 | 0.2343 | 317.3           | -1 503c                         | 20 503                          |     |  |  |
| 34 570                                                                                                                   | 12 460                          | 78.47            | 42.2             | 42.01            | 0.4823 | 0.2593 | 0.2582 | 311.1           | -1 507c                         | 21 507                          |     |  |  |
| 34 571                                                                                                                   | 13 465                          | 78.48            | 41.68            | 46.65            | 0.4704 | 0.2498 | 0.2796 | 305.5           | -1 512c                         | 22 512                          |     |  |  |
| 34 572                                                                                                                   | 14 470                          | 77.94            | 40.82            | 50.58            | 0.4602 | 0.241  | 0.2987 | 300.6           | -1 519c                         | 23 519                          |     |  |  |
| 34 574                                                                                                                   | 14 475                          | 76.15            | 38.87            | 50.58            | 0.4598 | 0.2347 | 0.3054 | 299.4           | -1 522c                         | 24 522                          | Mm  |  |  |
| 35 578                                                                                                                   | 15 480                          | 73.27            | 36.17            | 53.8             | 0.4488 | 0.2215 | 0.3295 | 294.0           | -1 531c                         | 26 531                          |     |  |  |
| 37 585                                                                                                                   | 17 485                          | 67.37            | 31.97            | 58.31            | 0.4273 | 0.2028 | 0.3698 | 285.2           | -1 543c                         | 28 543                          |     |  |  |
| 40 600                                                                                                                   | 17 490                          | 50.61            | 20.96            | 58.3             | 0.3896 | 0.1614 | 0.4488 | 272.6           | -1 554c                         | 30 554                          |     |  |  |
| -1 495c                                                                                                                  | 19 495                          | 10.35            | 5.12             | 61.02            | 0.1353 | 0.0669 | 0.7977 | 231.6           | 12 464                          | 34 571                          |     |  |  |
| -1 500c                                                                                                                  | 20 500                          | 10.36            | 6.55             | 61.97            | 0.1313 | 0.083  | 0.7855 | 229.7           | 13 467                          | 34 571                          |     |  |  |
| -1 505c                                                                                                                  | 21 505                          | 10.38            | 8.37             | 62.71            | 0.1275 | 0.1028 | 0.7696 | 227.3           | 13 469                          | 34 572                          |     |  |  |
| -1 509c                                                                                                                  | 21 510                          | 10.38            | 8.37             | 62.71            | 0.1275 | 0.1028 | 0.7696 | 227.3           | 13 469                          | 34 572                          |     |  |  |
| -1 515c                                                                                                                  | 23 515                          | 10.66            | 13.39            | 63.65            | 0.1215 | 0.1527 | 0.7257 | 220.8           | 14 474                          | 34 574                          |     |  |  |
| -1 520c                                                                                                                  | 24 520                          | 11.02            | 16.58            | 63.94            | 0.1204 | 0.1811 | 0.6984 | 216.9           | 15 476                          | 35 575                          | Bm  |  |  |
| -1 524c                                                                                                                  | 24 525                          | 11.02            | 16.58            | 63.94            | 0.1204 | 0.1811 | 0.6984 | 216.9           | 15 476                          | 35 575                          |     |  |  |
| -1 530c                                                                                                                  | 26 530                          | 12.48            | 24.05            | 64.31            | 0.1237 | 0.2385 | 0.6377 | 208.3           | 16 480                          | 35 578                          |     |  |  |
| -1 535c                                                                                                                  | 27 535                          | 13.63            | 28.22            | 64.42            | 0.1282 | 0.2655 | 0.6061 | 203.7           | 16 481                          | 36 580                          |     |  |  |
| -1 539c                                                                                                                  | 27 540                          | 13.63            | 28.22            | 64.42            | 0.1282 | 0.2655 | 0.6061 | 203.7           | 16 481                          | 36 580                          |     |  |  |
| -1 545c                                                                                                                  | 29 545                          | 16.92            | 37.13            | 64.55            | 0.1427 | 0.313  | 0.5442 | 194.9           | 16 484                          | 36 584                          |     |  |  |
| -1 549c                                                                                                                  | 29 550                          | 16.92            | 37.13            | 64.55            | 0.1427 | 0.313  | 0.5442 | 194.9           | 16 484                          | 36 584                          |     |  |  |
| -1 555c                                                                                                                  | 31 555                          | 21.74            | 46.49            | 64.6             | 0.1636 | 0.3499 | 0.4863 | 186.9           | 17 486                          | 37 588                          |     |  |  |
| -1 560c                                                                                                                  | 32 560                          | 24.79            | 51.2             | 64.62            | 0.1762 | 0.3641 | 0.4595 | 183.4           | 17 487                          | 38 591                          |     |  |  |
| -1 565c                                                                                                                  | 33 565                          | 28.27            | 55.87            | 64.63            | 0.19   | 0.3755 | 0.4344 | 180.2           | 17 488                          | 38 593                          |     |  |  |
| 11 455                                                                                                                   | 33 570                          | 21.37            | 55.32            | 29.5             | 0.2012 | 0.5209 | 0.2777 | 141.0           | 20 501                          | -1 501c                         |     |  |  |
| 15 475                                                                                                                   | 35 575                          | 26.91            | 63.19            | 12.16            | 0.2631 | 0.6178 | 0.1189 | 115.8           | 25 528                          | -1 528c                         |     |  |  |
| 16 481                                                                                                                   | 35 580                          | 26.53            | 62.55            | 8.79             | 0.2711 | 0.639  | 0.0898 | 112.4           | 26 533                          | -1 533c                         |     |  |  |
| 16 485                                                                                                                   | 36 585                          | 31.12            | 66.33            | 7.23             | 0.2972 | 0.6335 | 0.0691 | 107.8           | 28 540                          | -1 540c                         |     |  |  |
| 17 487                                                                                                                   | 37 590                          | 36.13            | 69.96            | 6.46             | 0.321  | 0.6215 | 0.0574 | 103.5           | 29 545                          | -1 545c                         |     |  |  |
| 17 488                                                                                                                   | 39 595                          | 46.85            | 76.83            | 5.94             | 0.3614 | 0.5926 | 0.0458 | 94.8            | 30 552                          | -1 552c                         |     |  |  |
| 17 489                                                                                                                   | 40 600                          | 52.28            | 79.76            | 5.56             | 0.3799 | 0.5795 | 0.0404 | 89.9            | 31 555                          | -1 555c                         |     |  |  |
| 18 490                                                                                                                   | 40 605                          | 52.27            | 79.61            | 5.34             | 0.3809 | 0.5801 | 0.0389 | 89.7            | 31 556                          | -1 556c                         |     |  |  |
| 18 491                                                                                                                   | 41 610                          | 57.61            | 82.28            | 5.18             | 0.3971 | 0.5671 | 0.0357 | 84.8            | 31 558                          | -1 558c                         |     |  |  |
| 18 491                                                                                                                   | 43 615                          | 67.46            | 86.86            | 5.07             | 0.4232 | 0.5449 | 0.0318 | 75.5            | 32 562                          | -1 562c                         |     |  |  |
| 18 492                                                                                                                   | 44 620                          | 71.74            | 88.67            | 4.98             | 0.4337 | 0.536  | 0.0301 | 71.3            | 32 564                          | -1 564c                         |     |  |  |
| 18 492                                                                                                                   | 45 625                          | 75.48            | 90.19            | 4.91             | 0.4424 | 0.5286 | 0.0288 | 67.6            | 33 565                          | -1 565c                         |     |  |  |
| 18 492                                                                                                                   | 45 630                          | 75.48            | 90.15            | 4.86             | 0.4426 | 0.5287 | 0.0285 | 67.5            | 33 565                          | -1 565c                         |     |  |  |
| 18 492                                                                                                                   | 47 635                          | 81.35            | 92.48            | 4.82             | 0.4553 | 0.5176 | 0.0269 | 61.8            | 33 567                          | -1 567c                         |     |  |  |
| 18 492                                                                                                                   | 48 640                          | 83.56            | 93.31            | 4.78             | 0.4599 | 0.5136 | 0.0263 | 59.7            | 33 568                          | 6 432                           |     |  |  |
| 18 492                                                                                                                   | 49 645                          | 85.32            | 93.96            | 4.76             | 0.4635 | 0.5105 | 0.0258 | 58.0            | 33 569                          | 9 445                           |     |  |  |
| 18 492                                                                                                                   | 50 650                          | 86.7             | 94.47            | 4.74             | 0.4663 | 0.5081 | 0.0255 | 56.7            | 33 569                          | 10 451                          |     |  |  |
| 18 493                                                                                                                   | 51 655                          | 87.76            | 94.85            | 4.73             | 0.4684 | 0.5063 | 0.0252 | 55.7            | 33 569                          | 11 455                          |     |  |  |
| 18 493                                                                                                                   | 51 660                          | 87.76            | 94.85            | 4.72             | 0.4684 | 0.5063 | 0.0252 | 55.6            | 33 569                          | 11 455                          |     |  |  |
| 18 493                                                                                                                   | 52 665                          | 88.55            | 95.13            | 4.71             | 0.47   | 0.5049 | 0.025  | 54.9            | 34 570                          | 11 457                          |     |  |  |
| 18 493                                                                                                                   | 54 670                          | 89.55            | 95.49            | 4.71             | 0.4719 | 0.5032 | 0.0248 | 54.0            | 34 570                          | 11 459                          |     |  |  |
| 18 493                                                                                                                   | 55 675                          | 89.85            | 95.6             | 4.7              | 0.4725 | 0.5027 | 0.0247 | 53.7            | 34 570                          | 12 460                          |     |  |  |
| 18 493                                                                                                                   | 56 680                          | 90.08            | 95.68            | 4.7              | 0.4729 | 0.5023 | 0.0246 | 53.5            | 34 570                          | 12 460                          |     |  |  |
| 18 493                                                                                                                   | 57 685                          | 90.23            | 95.73            | 4.69             | 0.4732 | 0.5021 | 0.0246 | 53.3            | 34 570                          | 12 461                          |     |  |  |
| 18 493                                                                                                                   | 58 690                          | 90.34            | 95.77            | 4.69             | 0.4734 | 0.5019 | 0.0246 | 53.2            | 34 570                          | 12 461                          |     |  |  |
| 380                                                                                                                      | 770                             | 100.93           | 100.0            | 64.68            | 0.3799 | 0.3764 | 0.2435 | 0.0             |                                 |                                 |     |  |  |

see similar files: <http://130.149.60.45/~farbmetrik/SN63/SN63.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-SN63/SN63L0NP.PDF /.PS  
application for measurement of display output

TUB material: code=rha4ta

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for A00 and Y <sub>w</sub> =100, Y <sub>m</sub> =520_770 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |      |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|------|--|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                          | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |  |
| 1 405                                                                                                                    | 34 574                          | 27.6             | 54.67            | 35.28            | 0.2347 | 0.465  | 0.3001 | 164.8           | 18 494                          | 39 599                          | Cm   |  |  |  |
| 2 410                                                                                                                    | 34 574                          | 27.55            | 54.68            | 35.03            | 0.2349 | 0.4662 | 0.2987 | 164.5           | 18 494                          | 39 599                          |      |  |  |  |
| 2 415                                                                                                                    | 34 574                          | 27.57            | 54.69            | 35.03            | 0.235  | 0.4663 | 0.2986 | 164.5           | 18 494                          | 39 599                          |      |  |  |  |
| 3 420                                                                                                                    | 34 574                          | 27.49            | 54.72            | 34.55            | 0.2354 | 0.4686 | 0.2958 | 163.8           | 18 494                          | 40 600                          |      |  |  |  |
| 5 425                                                                                                                    | 34 574                          | 27.07            | 54.74            | 32.34            | 0.2371 | 0.4794 | 0.2833 | 161.0           | 19 495                          | 41 605                          |      |  |  |  |
| 6 430                                                                                                                    | 34 574                          | 26.76            | 54.78            | 30.55            | 0.2387 | 0.4886 | 0.2725 | 158.7           | 19 496                          | 42 611                          |      |  |  |  |
| 6 435                                                                                                                    | 34 574                          | 26.83            | 54.85            | 30.55            | 0.239  | 0.4887 | 0.2722 | 158.6           | 19 496                          | 42 611                          |      |  |  |  |
| 7 440                                                                                                                    | 34 574                          | 26.48            | 54.92            | 28.39            | 0.2411 | 0.5002 | 0.2585 | 155.7           | 19 497                          | 45 627                          |      |  |  |  |
| 9 445                                                                                                                    | 34 574                          | 25.61            | 54.96            | 23.32            | 0.2465 | 0.529  | 0.2244 | 148.8           | 20 500                          | -1 500c                         |      |  |  |  |
| 9 450                                                                                                                    | 34 574                          | 25.76            | 55.12            | 23.32            | 0.2472 | 0.5289 | 0.2238 | 148.7           | 20 501                          | -1 501c                         |      |  |  |  |
| 11 455                                                                                                                   | 34 574                          | 24.92            | 55.17            | 17.63            | 0.2549 | 0.5645 | 0.1804 | 140.7           | 21 505                          | -1 505c                         |      |  |  |  |
| 12 460                                                                                                                   | 35 575                          | 24.7             | 55.33            | 14.75            | 0.2606 | 0.5837 | 0.1556 | 136.6           | 21 508                          | -1 508c                         |      |  |  |  |
| 13 465                                                                                                                   | 35 575                          | 24.73            | 55.6             | 12.04            | 0.2677 | 0.6018 | 0.1303 | 132.7           | 22 512                          | -1 512c                         |      |  |  |  |
| 13 470                                                                                                                   | 35 576                          | 25.43            | 56.26            | 12.04            | 0.2712 | 0.6001 | 0.1285 | 132.4           | 22 513                          | -1 513c                         |      |  |  |  |
| 14 475                                                                                                                   | 35 577                          | 26.19            | 57.11            | 9.67             | 0.2817 | 0.6142 | 0.104  | 128.7           | 23 519                          | -1 519c                         | Gm   |  |  |  |
| 16 480                                                                                                                   | 35 579                          | 27.57            | 58.19            | 6.02             | 0.3003 | 0.6339 | 0.0656 | 123.0           | 26 532                          | -1 532c                         |      |  |  |  |
| 17 485                                                                                                                   | 36 582                          | 30.76            | 60.55            | 4.72             | 0.3202 | 0.6305 | 0.0491 | 119.6           | 28 540                          | -1 540c                         |      |  |  |  |
| 18 490                                                                                                                   | 37 588                          | 37.17            | 64.98            | 3.68             | 0.3512 | 0.6139 | 0.0348 | 114.9           | 29 548                          | -1 548c                         |      |  |  |  |
| 19 495                                                                                                                   | 40 601                          | 53.48            | 74.48            | 2.85             | 0.4088 | 0.5693 | 0.0218 | 103.4           | 31 559                          | -1 559c                         |      |  |  |  |
| 20 500                                                                                                                   | -1 500c                         | 104.46           | 95.67            | 2.17             | 0.5163 | 0.4728 | 0.0107 | 43.5            | 35 576                          | 13 469                          |      |  |  |  |
| 21 505                                                                                                                   | -1 505c                         | 104.44           | 94.31            | 1.62             | 0.5212 | 0.4706 | 0.0081 | 40.5            | 35 576                          | 14 472                          |      |  |  |  |
| 21 510                                                                                                                   | -1 509c                         | 104.44           | 94.31            | 1.62             | 0.5212 | 0.4706 | 0.0081 | 40.5            | 35 576                          | 14 472                          |      |  |  |  |
| 23 515                                                                                                                   | -1 515c                         | 104.23           | 90.39            | 0.89             | 0.533  | 0.4623 | 0.0045 | 32.6            | 35 578                          | 15 478                          |      |  |  |  |
| 24 520                                                                                                                   | -1 520c                         | 103.93           | 87.81            | 0.66             | 0.5401 | 0.4563 | 0.0034 | 27.8            | 35 579                          | 16 480                          | Ym   |  |  |  |
| 25 525                                                                                                                   | -1 525c                         | 103.44           | 84.83            | 0.48             | 0.5479 | 0.4494 | 0.0025 | 22.6            | 36 580                          | 16 482                          |      |  |  |  |
| 26 530                                                                                                                   | -1 530c                         | 102.7            | 81.5             | 0.35             | 0.5564 | 0.4416 | 0.0019 | 17.4            | 36 582                          | 16 484                          |      |  |  |  |
| 27 535                                                                                                                   | -1 535c                         | 101.69           | 77.86            | 0.25             | 0.5655 | 0.433  | 0.0014 | 12.2            | 36 583                          | 17 486                          |      |  |  |  |
| 28 540                                                                                                                   | -1 540c                         | 100.37           | 73.92            | 0.18             | 0.5752 | 0.4236 | 0.001  | 7.2             | 37 585                          | 17 487                          |      |  |  |  |
| 28 545                                                                                                                   | -1 544c                         | 100.37           | 73.92            | 0.18             | 0.5752 | 0.4236 | 0.001  | 7.2             | 37 585                          | 17 487                          |      |  |  |  |
| 29 550                                                                                                                   | -1 549c                         | 98.69            | 69.75            | 0.13             | 0.5854 | 0.4137 | 0.0008 | 2.6             | 37 586                          | 17 489                          |      |  |  |  |
| 31 555                                                                                                                   | -1 555c                         | 94.09            | 60.83            | 0.08             | 0.6069 | 0.3924 | 0.0005 | 354.6           | 38 590                          | 18 491                          |      |  |  |  |
| 32 560                                                                                                                   | -1 560c                         | 91.08            | 56.18            | 0.06             | 0.6182 | 0.3813 | 0.0004 | 351.3           | 38 593                          | 18 492                          |      |  |  |  |
| 32 565                                                                                                                   | -1 564c                         | 91.08            | 56.18            | 0.06             | 0.6182 | 0.3813 | 0.0004 | 351.3           | 38 593                          | 18 492                          |      |  |  |  |
| 34 570                                                                                                                   | -1 570c                         | 83.51            | 46.75            | 0.04             | 0.6408 | 0.3587 | 0.0003 | 345.8           | 39 598                          | 18 494                          |      |  |  |  |
| 35 575                                                                                                                   | 11 457                          | 82.35            | 42.4             | 17.67            | 0.5782 | 0.2977 | 0.124  | 319.9           | -1 506c                         | 21 506                          |      |  |  |  |
| 35 580                                                                                                                   | 16 481                          | 84.06            | 43.43            | 29.18            | 0.5365 | 0.2771 | 0.1862 | 304.3           | -1 529c                         | 25 529                          |      |  |  |  |
| 37 585                                                                                                                   | 17 487                          | 73.52            | 35.09            | 30.86            | 0.5271 | 0.2515 | 0.2212 | 297.0           | -1 545c                         | 29 545                          |      |  |  |  |
| 37 590                                                                                                                   | 18 491                          | 73.57            | 35.48            | 31.61            | 0.523  | 0.2522 | 0.2247 | 295.9           | -1 546c                         | 29 546                          |      |  |  |  |
| 39 595                                                                                                                   | 18 493                          | 61.38            | 27.71            | 32.0             | 0.5068 | 0.2288 | 0.2643 | 288.3           | -1 555c                         | 31 555                          |      |  |  |  |
| 40 600                                                                                                                   | 18 494                          | 55.0             | 24.29            | 32.28            | 0.4929 | 0.2177 | 0.2893 | 283.4           | -1 559c                         | 31 559                          |      |  |  |  |
| 40 605                                                                                                                   | 19 495                          | 55.0             | 24.46            | 32.45            | 0.4914 | 0.2185 | 0.2899 | 283.1           | -1 559c                         | 31 559                          |      |  |  |  |
| 41 610                                                                                                                   | 19 496                          | 48.62            | 21.26            | 32.56            | 0.4746 | 0.2075 | 0.3178 | 277.7           | -1 562c                         | 32 562                          |      |  |  |  |
| 42 615                                                                                                                   | 19 497                          | 42.41            | 18.34            | 32.64            | 0.4541 | 0.1963 | 0.3495 | 271.8           | -1 564c                         | 32 564                          |      |  |  |  |
| 43 620                                                                                                                   | 19 497                          | 36.52            | 15.71            | 32.7             | 0.43   | 0.185  | 0.3849 | 265.5           | -1 567c                         | 33 567                          |      |  |  |  |
| 44 625                                                                                                                   | 19 497                          | 31.12            | 13.4             | 32.74            | 0.4027 | 0.1735 | 0.4237 | 259.1           | -1 568c                         | 33 568                          |      |  |  |  |
| 45 630                                                                                                                   | 19 497                          | 26.31            | 11.43            | 32.78            | 0.373  | 0.162  | 0.4648 | 253.1           | -1 570c                         | 34 570                          |      |  |  |  |
| 47 635                                                                                                                   | 19 498                          | 18.55            | 8.34             | 32.81            | 0.3106 | 0.1397 | 0.5495 | 242.9           | -1 572c                         | 34 572                          |      |  |  |  |
| 48 640                                                                                                                   | 19 498                          | 15.56            | 7.21             | 32.83            | 0.2798 | 0.1297 | 0.5904 | 238.8           | -1 573c                         | 34 573                          |      |  |  |  |
| 48 645                                                                                                                   | 19 498                          | 15.56            | 7.23             | 32.85            | 0.2796 | 0.13   | 0.5903 | 238.8           | -1 573c                         | 34 573                          |      |  |  |  |
| 50 650                                                                                                                   | 19 498                          | 11.19            | 5.59             | 32.86            | 0.2253 | 0.1127 | 0.6618 | 232.9           | 9 446                           | 34 574                          |      |  |  |  |
| 51 655                                                                                                                   | 19 498                          | 9.68             | 5.04             | 32.87            | 0.2033 | 0.106  | 0.6906 | 230.9           | 11 455                          | 34 574                          |      |  |  |  |
| 52 660                                                                                                                   | 19 498                          | 8.53             | 4.62             | 32.88            | 0.1853 | 0.1005 | 0.7141 | 229.4           | 12 460                          | 35 575                          |      |  |  |  |
| 53 665                                                                                                                   | 19 498                          | 7.67             | 4.32             | 32.88            | 0.171  | 0.0962 | 0.7326 | 228.3           | 12 462                          | 35 575                          |      |  |  |  |
| 54 670                                                                                                                   | 19 498                          | 7.04             | 4.09             | 32.89            | 0.16   | 0.093  | 0.7469 | 227.5           | 12 464                          | 35 575                          |      |  |  |  |
| 55 675                                                                                                                   | 19 498                          | 6.57             | 3.92             | 32.89            | 0.1515 | 0.0905 | 0.7579 | 226.9           | 13 465                          | 35 575                          |      |  |  |  |
| 56 680                                                                                                                   | 19 498                          | 6.23             | 3.8              | 32.89            | 0.1451 | 0.0886 | 0.7661 | 226.5           | 13 466                          | 35 575                          |      |  |  |  |
| 57 685                                                                                                                   | 19 498                          | 5.98             | 3.72             | 32.9             | 0.1405 | 0.0873 | 0.7721 | 226.2           | 13 466                          | 35 575                          |      |  |  |  |
| 58 690                                                                                                                   | 19 498                          | 5.81             | 3.66             | 32.9             | 0.1372 | 0.0863 | 0.7763 | 225.9           | 13 466                          | 35 575                          |      |  |  |  |
| 380                                                                                                                      | 770                             | 109.84           | 99.99            | 35.58            | 0.4475 | 0.4074 | 0.1449 | 0.0             |                                 |                                 |      |  |  |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for A00 and Y <sub>w</sub> =100, B <sub>m</sub> =380_520 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |      |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|------|--|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                          | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |  |
| 34 574                                                                                                                   | 1 405                           | 82.24            | 45.32            | 0.3              | 0.6431 | 0.3544 | 0.0023 | 344.8           | 39 599                          | 18 494                          | Rm   |  |  |  |
| 34 574                                                                                                                   | 2 410                           | 82.29            | 45.31            | 0.55             | 0.642  | 0.3536 | 0.0043 | 344.5           | 39 599                          | 18 494                          |      |  |  |  |
| 34 574                                                                                                                   | 2 415                           | 82.27            | 45.3             | 0.55             | 0.6421 | 0.3535 | 0.0043 | 344.5           | 39 599                          | 18 494                          |      |  |  |  |
| 34 574                                                                                                                   | 3 420                           | 82.34            | 45.27            | 1.03             | 0.64   | 0.3519 | 0.008  | 343.9           | 40 600                          | 18 494                          |      |  |  |  |
| 34 574                                                                                                                   | 5 425                           | 82.76            | 45.25            | 3.23             | 0.6305 | 0.3447 | 0.0246 | 341.1           | 41 605                          | 19 495                          |      |  |  |  |
| 34 574                                                                                                                   | 6 430                           | 83.08            | 45.21            | 5.02             | 0.6231 | 0.3391 | 0.0377 | 338.7           | 42 611                          | 19 496                          |      |  |  |  |
| 34 574                                                                                                                   | 6 435                           | 83.01            | 45.14            | 5.02             | 0.6233 | 0.3389 | 0.0377 | 338.7           | 42 611                          | 19 496                          |      |  |  |  |
| 34 574                                                                                                                   | 7 440                           | 83.36            | 45.07            | 7.19             | 0.6146 | 0.3323 | 0.053  | 335.8           | 45 627                          | 19 497                          |      |  |  |  |
| 34 574                                                                                                                   | 9 445                           | 84.23            | 45.03            | 12.26            | 0.5951 | 0.3182 | 0.0866 | 328.8           | -1 500c                         | 20 500                          |      |  |  |  |
| 34 574                                                                                                                   | 9 450                           | 84.08            | 44.87            | 12.26            | 0.5954 | 0.3177 | 0.0868 | 328.7           | -1 501c                         | 20 501                          |      |  |  |  |
| 34 574                                                                                                                   | 11 455                          | 84.92            | 44.82            | 17.94            | 0.575  | 0.3034 | 0.1214 | 320.8           | -1 505c                         | 21 505                          |      |  |  |  |
| 35 575                                                                                                                   | 12 460                          | 85.14            | 44.66            | 20.83            | 0.5651 | 0.2965 | 0.1382 | 316.7           | -1 508c                         | 21 508                          |      |  |  |  |
| 35 575                                                                                                                   | 13 465                          | 85.11            | 44.39            | 23.53            | 0.5561 | 0.29   | 0.1537 | 312.7           | -1 512c                         | 22 512                          |      |  |  |  |
| 35 576                                                                                                                   | 13 470                          | 84.41            | 43.73            | 23.53            | 0.5565 | 0.2883 | 0.1551 | 312.4           | -1 513c                         | 22 513                          |      |  |  |  |
| 35 577                                                                                                                   | 14 475                          | 83.64            | 42.88            | 25.91            | 0.5487 | 0.2813 | 0.1699 | 308.7           | -1 519c                         | 23 519                          | Mn   |  |  |  |
| 35 579                                                                                                                   | 16 480                          | 82.27            | 41.8             | 29.55            | 0.5355 | 0.272  | 0.1923 | 303.0           | -1 532c                         | 26 532                          |      |  |  |  |
| 36 582                                                                                                                   | 17 485                          | 79.08            | 39.44            | 30.85            | 0.5294 | 0.264  | 0.2065 | 299.7           | -1 540c                         | 28 540                          |      |  |  |  |
| 37 588                                                                                                                   | 18 490                          | 72.67            | 35.01            | 31.89            | 0.5206 | 0.2508 | 0.2285 | 295.0           | -1 548c                         | 29 548                          |      |  |  |  |
| 40 601                                                                                                                   | 19 495                          | 56.36            | 25.51            | 32.72            | 0.4917 | 0.2226 | 0.2855 | 283.4           | -1 559c                         | 31 559                          |      |  |  |  |
| -1 500c                                                                                                                  | 20 500                          | 5.38             | 4.32             | 33.4             | 0.1248 | 0.1002 | 0.7748 | 223.5           | 13 469                          | 35 576                          |      |  |  |  |
| -1 505c                                                                                                                  | 21 505                          | 5.39             | 5.68             | 33.95            | 0.1198 | 0.1262 | 0.7538 | 220.6           | 14 472                          | 35 576                          |      |  |  |  |
| -1 509c                                                                                                                  | 21 510                          | 5.39             | 5.68             | 33.95            | 0.1198 | 0.1262 | 0.7538 | 220.6           | 14 472                          | 35 576                          |      |  |  |  |
| -1 515c                                                                                                                  | 23 515                          | 5.61             | 9.6              | 34.68            | 0.1124 | 0.1924 | 0.6951 | 212.6           | 15 478                          | 35 578                          |      |  |  |  |
| -1 520c                                                                                                                  | 24 520                          | 5.91             | 12.18            | 34.91            | 0.1115 | 0.2298 | 0.6586 | 207.8           | 16 480                          | 35 579                          | Br   |  |  |  |
| -1 525c                                                                                                                  | 25 525                          | 6.4              | 15.16            | 35.09            | 0.113  | 0.2675 | 0.6193 | 202.7           | 16 482                          | 36 580                          |      |  |  |  |
| -1 530c                                                                                                                  | 26 530                          | 7.14             | 18.49            | 35.23            | 0.1173 | 0.3037 | 0.5788 | 197.4           | 16 484                          | 36 582                          |      |  |  |  |
| -1 535c                                                                                                                  | 27 535                          | 8.15             | 22.13            | 35.32            | 0.1242 | 0.3373 | 0.5383 | 192.2           | 17 486                          | 36 583                          |      |  |  |  |
| -1 540c                                                                                                                  | 28 540                          | 9.47             | 26.07            | 35.39            | 0.1335 | 0.3674 | 0.4989 | 187.2           | 17 487                          | 37 585                          |      |  |  |  |
| -1 544c                                                                                                                  | 28 545                          | 9.47             | 26.07            | 35.39            | 0.1335 | 0.3674 | 0.4989 | 187.2           | 17 487                          | 37 585                          |      |  |  |  |
| -1 549c                                                                                                                  | 29 550                          | 11.15            | 30.24            | 35.44            | 0.1451 | 0.3935 | 0.4612 | 182.6           | 17 489                          | 37 586                          |      |  |  |  |
| -1 555c                                                                                                                  | 31 555                          | 15.75            | 39.16            | 35.49            | 0.1742 | 0.4331 | 0.3926 | 174.6           | 18 491                          | 38 590                          |      |  |  |  |
| -1 560c                                                                                                                  | 32 560                          | 18.75            | 43.81            | 35.51            | 0.1912 | 0.4466 | 0.362  | 171.2           | 18 492                          | 38 593                          |      |  |  |  |
| -1 564c                                                                                                                  | 32 565                          | 18.75            | 43.81            | 35.51            | 0.1912 | 0.4466 | 0.362  | 171.2           | 18 492                          | 38 593                          |      |  |  |  |
| -1 570c                                                                                                                  | 34 570                          | 26.33            | 53.24            | 35.53            | 0.2287 | 0.4625 | 0.3086 | 165.8           | 18 494                          | 39 598                          |      |  |  |  |
| 11 457                                                                                                                   | 35 575                          | 27.49            | 57.59            | 17.91            | 0.2669 | 0.5591 | 0.1738 | 139.9           | 21 506                          | -1 506c                         |      |  |  |  |
| 16 481                                                                                                                   | 35 580                          | 25.78            | 56.56            | 6.39             | 0.2905 | 0.6373 | 0.072  | 124.3           | 25 529                          | -1 529c                         |      |  |  |  |
| 17 487                                                                                                                   | 37 585                          | 36.32            | 64.9             | 4.71             | 0.3428 | 0.6126 | 0.0445 | 117.0           | 29 545                          | -1 545c                         |      |  |  |  |
| 18 491                                                                                                                   | 37 590                          | 36.27            | 64.51            | 3.96             | 0.3462 | 0.6158 | 0.0378 | 115.8           | 29 546                          | -1 546c                         |      |  |  |  |
| 18 493                                                                                                                   | 39 595                          | 48.46            | 72.28            | 3.57             | 0.3898 | 0.5814 | 0.0287 | 108.3           | 31 555                          | -1 555c                         |      |  |  |  |
| 18 494                                                                                                                   | 40 600                          | 54.84            | 75.7             | 3.29             | 0.4097 | 0.5656 | 0.0246 | 103.4           | 31 559                          | -1 559c                         |      |  |  |  |
| 19 495                                                                                                                   | 40 605                          | 54.84            | 75.53            | 3.12             | 0.4107 | 0.5657 | 0.0234 | 103.0           | 31 559                          | -1 559c                         |      |  |  |  |
| 19 496                                                                                                                   | 41 610                          | 61.22            | 78.73            | 3.01             | 0.4282 | 0.5506 | 0.0211 | 97.6            | 32 562                          | -1 562c                         |      |  |  |  |
| 19 497                                                                                                                   | 42 615                          | 67.43            | 81.65            | 2.93             | 0.4435 | 0.5371 | 0.0193 | 91.7            | 32 564                          | -1 564c                         |      |  |  |  |
| 19 497                                                                                                                   | 43 620                          | 73.31            | 84.28            | 2.87             | 0.4568 | 0.5251 | 0.0179 | 85.4            | 33 567                          | -1 567c                         |      |  |  |  |
| 19 497                                                                                                                   | 44 625                          | 78.72            | 86.59            | 2.83             | 0.4681 | 0.5149 | 0.0168 | 79.0            | 33 568                          | -1 568c                         |      |  |  |  |
| 19 497                                                                                                                   | 45 630                          | 83.53            | 88.56            | 2.79             | 0.4776 | 0.5064 | 0.0159 | 73.0            | 34 570                          | -1 570c                         |      |  |  |  |
| 19 498                                                                                                                   | 47 635                          | 91.29            | 91.65            | 2.76             | 0.4915 | 0.4935 | 0.0148 | 62.8            | 34 572                          | -1 572c                         |      |  |  |  |
| 19 498                                                                                                                   | 48 640                          | 94.28            | 92.78            | 2.74             | 0.4967 | 0.4888 | 0.0144 | 58.8            | 34 573                          | -1 573c                         |      |  |  |  |
| 19 498                                                                                                                   | 48 645                          | 94.28            | 92.76            | 2.72             | 0.4968 | 0.4888 | 0.0143 | 58.7            | 34 573                          | -1 573c                         |      |  |  |  |
| 19 498                                                                                                                   | 50 650                          | 98.65            | 94.4             | 2.71             | 0.5039 | 0.4822 | 0.0138 | 52.9            | 34 574                          | 9 446                           |      |  |  |  |
| 19 498                                                                                                                   | 51 655                          | 100.16           | 94.95            | 2.7              | 0.5063 | 0.4799 | 0.0136 | 50.9            | 34 574                          | 11 455                          |      |  |  |  |
| 19 498                                                                                                                   | 52 660                          | 101.31           | 95.37            | 2.69             | 0.5081 | 0.4783 | 0.0135 | 49.4            | 35 575                          | 12 460                          |      |  |  |  |
| 19 498                                                                                                                   | 53 665                          | 102.17           | 95.67            | 2.69             | 0.5094 | 0.477  | 0.0134 | 48.3            | 35 575                          | 12 462                          |      |  |  |  |
| 19 498                                                                                                                   | 54 670                          | 102.8            | 95.9             | 2.69             | 0.5104 | 0.4761 | 0.0133 | 47.5            | 35 575                          | 12 464                          |      |  |  |  |
| 19 498                                                                                                                   | 55 675                          | 103.27           | 96.07            | 2.68             | 0.5111 | 0.4755 | 0.0133 | 46.9            | 35 575                          | 13 465                          |      |  |  |  |
| 19 498                                                                                                                   | 56 680                          | 103.61           | 96.19            | 2.68             | 0.5117 | 0.475  | 0.0132 | 46.4            | 35 575                          | 13 466                          |      |  |  |  |
| 19 498                                                                                                                   | 57 685                          | 103.86           | 96.27            | 2.68             | 0.512  | 0.4746 | 0.0132 | 46.1            | 35 575                          | 13 466                          |      |  |  |  |
| 19 498                                                                                                                   | 58 690                          | 104.03           | 96.33            | 2.68             | 0.5123 | 0.4744 | 0.0132 | 45.9            | 35 575                          | 13 466                          |      |  |  |  |
| 380                                                                                                                      | 770                             | 109.84           | 99.99            | 35.58            | 0.4475 | 0.4074 | 0.1449 | 0.0             |                                 |                                 |      |  |  |  |



see similar files: <http://130.149.60.45/~farbmetrik/SN63/SN63L0NP.PDF> / .PS  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-SN63/SN63L0NP.PDF /.PS  
application for measurement of display output

TUB material: code=rha4ta

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for E00 and Y <sub>w</sub> =100, Y <sub>m</sub> =520_770 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |      |  |  |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|------|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                          | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 1 405                                                                                                                    | 32 564                          | 32.46            | 57.42            | 98.28            | 0.1725 | 0.3051 | 0.5222 | 189.9           | 16 484                          | 38 592                          | Cm   |  |  |
| 2 410                                                                                                                    | 32 564                          | 32.2             | 57.44            | 96.93            | 0.1726 | 0.3078 | 0.5194 | 188.9           | 16 484                          | 38 593                          |      |  |  |
| 2 415                                                                                                                    | 32 564                          | 32.24            | 57.49            | 96.93            | 0.1727 | 0.308  | 0.5192 | 188.9           | 16 484                          | 38 593                          |      |  |  |
| 3 420                                                                                                                    | 32 564                          | 31.8             | 57.56            | 94.55            | 0.1729 | 0.313  | 0.514  | 187.2           | 17 485                          | 39 595                          |      |  |  |
| 5 425                                                                                                                    | 33 565                          | 29.9             | 57.61            | 84.93            | 0.1734 | 0.334  | 0.4925 | 179.7           | 17 486                          | 41 605                          |      |  |  |
| 6 430                                                                                                                    | 33 565                          | 28.6             | 57.7             | 77.9             | 0.1741 | 0.3514 | 0.4743 | 173.5           | 17 488                          | 45 626                          |      |  |  |
| 6 435                                                                                                                    | 33 565                          | 28.76            | 57.91            | 77.9             | 0.1747 | 0.3518 | 0.4733 | 173.3           | 17 488                          | 45 627                          |      |  |  |
| 8 440                                                                                                                    | 33 565                          | 25.77            | 57.97            | 61.75            | 0.1771 | 0.3984 | 0.4244 | 157.3           | 18 492                          | -1 492c                         |      |  |  |
| 9 445                                                                                                                    | 33 566                          | 24.47            | 58.18            | 53.44            | 0.1797 | 0.4275 | 0.3926 | 148.4           | 18 494                          | -1 494c                         |      |  |  |
| 10 450                                                                                                                   | 33 566                          | 23.31            | 58.44            | 45.21            | 0.1835 | 0.4603 | 0.3561 | 139.6           | 19 498                          | -1 498c                         |      |  |  |
| 11 455                                                                                                                   | 33 567                          | 22.37            | 58.8             | 37.23            | 0.1889 | 0.4966 | 0.3144 | 131.4           | 20 502                          | -1 502c                         |      |  |  |
| 12 460                                                                                                                   | 33 568                          | 21.73            | 59.28            | 29.75            | 0.1962 | 0.5351 | 0.2686 | 124.1           | 21 507                          | -1 507c                         |      |  |  |
| 13 465                                                                                                                   | 33 569                          | 21.68            | 60.14            | 23.17            | 0.2065 | 0.5727 | 0.2206 | 117.8           | 22 514                          | -1 514c                         |      |  |  |
| 14 470                                                                                                                   | 34 571                          | 22.57            | 61.52            | 17.72            | 0.2217 | 0.6041 | 0.174  | 112.3           | 24 522                          | -1 522c                         |      |  |  |
| 14 475                                                                                                                   | 35 575                          | 25.39            | 64.53            | 17.73            | 0.2358 | 0.5994 | 0.1646 | 110.0           | 25 525                          | -1 525c                         | Gm   |  |  |
| 16 480                                                                                                                   | 36 581                          | 29.91            | 68.21            | 10.05            | 0.2765 | 0.6305 | 0.0929 | 100.8           | 27 538                          | -1 538c                         |      |  |  |
| 17 485                                                                                                                   | 39 595                          | 42.54            | 76.7             | 7.54             | 0.3355 | 0.6049 | 0.0594 | 89.5            | 29 549                          | -1 549c                         |      |  |  |
| 18 490                                                                                                                   | -1 490c                         | 83.34            | 94.54            | 5.63             | 0.4541 | 0.5151 | 0.0307 | 56.3            | 33 568                          | 11 459                          |      |  |  |
| 19 495                                                                                                                   | -1 495c                         | 83.29            | 93.18            | 4.17             | 0.461  | 0.5157 | 0.0231 | 54.9            | 33 568                          | 12 461                          |      |  |  |
| 19 500                                                                                                                   | -1 499c                         | 83.29            | 93.18            | 4.17             | 0.461  | 0.5157 | 0.0231 | 54.9            | 33 568                          | 12 461                          |      |  |  |
| 21 505                                                                                                                   | -1 505c                         | 83.25            | 89.34            | 2.17             | 0.4763 | 0.5111 | 0.0124 | 51.1            | 34 570                          | 13 466                          |      |  |  |
| 22 510                                                                                                                   | -1 510c                         | 83.16            | 86.74            | 1.54             | 0.485  | 0.5059 | 0.0089 | 48.6            | 34 571                          | 13 469                          |      |  |  |
| 22 515                                                                                                                   | -1 514c                         | 83.16            | 86.74            | 1.54             | 0.485  | 0.5059 | 0.0089 | 48.6            | 34 571                          | 13 469                          |      |  |  |
| 24 520                                                                                                                   | -1 520c                         | 82.54            | 80.14            | 0.78             | 0.5049 | 0.4902 | 0.0047 | 42.4            | 34 574                          | 14 473                          | Ym   |  |  |
| 24 525                                                                                                                   | -1 524c                         | 82.54            | 80.14            | 0.78             | 0.5049 | 0.4902 | 0.0047 | 42.4            | 34 574                          | 14 473                          |      |  |  |
| 26 530                                                                                                                   | -1 530c                         | 80.98            | 72.11            | 0.37             | 0.5276 | 0.4698 | 0.0024 | 35.0            | 35 577                          | 15 477                          |      |  |  |
| 26 535                                                                                                                   | -1 534c                         | 80.98            | 72.11            | 0.37             | 0.5276 | 0.4698 | 0.0024 | 35.0            | 35 577                          | 15 477                          |      |  |  |
| 28 540                                                                                                                   | -1 540c                         | 78.25            | 63.21            | 0.18             | 0.5524 | 0.4462 | 0.0012 | 27.2            | 36 581                          | 15 479                          |      |  |  |
| 29 545                                                                                                                   | -1 545c                         | 76.4             | 58.59            | 0.13             | 0.5654 | 0.4336 | 0.0009 | 23.3            | 36 583                          | 16 480                          |      |  |  |
| 29 550                                                                                                                   | -1 549c                         | 76.4             | 58.59            | 0.13             | 0.5654 | 0.4336 | 0.0009 | 23.3            | 36 583                          | 16 480                          |      |  |  |
| 30 555                                                                                                                   | -1 554c                         | 74.18            | 53.92            | 0.09             | 0.5786 | 0.4205 | 0.0007 | 19.5            | 37 585                          | 16 482                          |      |  |  |
| 32 560                                                                                                                   | -1 560c                         | 68.62            | 44.64            | 0.05             | 0.6055 | 0.3939 | 0.0005 | 12.5            | 38 590                          | 16 483                          |      |  |  |
| 32 565                                                                                                                   | 4 422                           | 70.51            | 44.69            | 9.11             | 0.5671 | 0.3595 | 0.0733 | 6.3             | 39 596                          | 17 485                          |      |  |  |
| 34 570                                                                                                                   | 13 465                          | 75.82            | 37.31            | 74.82            | 0.4034 | 0.1985 | 0.398  | 297.4           | -1 514c                         | 22 514                          |      |  |  |
| 34 575                                                                                                                   | 14 474                          | 77.19            | 38.14            | 84.28            | 0.3866 | 0.191  | 0.4222 | 290.5           | -1 525c                         | 25 525                          |      |  |  |
| 36 580                                                                                                                   | 15 479                          | 69.05            | 30.58            | 87.72            | 0.3685 | 0.1632 | 0.4681 | 281.7           | -1 537c                         | 27 537                          |      |  |  |
| 36 585                                                                                                                   | 16 481                          | 69.24            | 30.99            | 89.51            | 0.3649 | 0.1633 | 0.4717 | 280.5           | -1 539c                         | 27 539                          |      |  |  |
| 37 590                                                                                                                   | 16 483                          | 64.65            | 27.62            | 90.61            | 0.3535 | 0.151  | 0.4954 | 276.3           | -1 543c                         | 28 543                          |      |  |  |
| 38 595                                                                                                                   | 16 485                          | 59.85            | 24.43            | 91.37            | 0.3407 | 0.139  | 0.5201 | 272.2           | -1 547c                         | 29 547                          |      |  |  |
| 39 600                                                                                                                   | 17 486                          | 54.92            | 21.52            | 91.79            | 0.3264 | 0.1279 | 0.5455 | 268.1           | -1 550c                         | 30 550                          |      |  |  |
| 41 605                                                                                                                   | 17 486                          | 45.22            | 16.35            | 92.1             | 0.2942 | 0.1064 | 0.5992 | 260.2           | -1 556c                         | 31 556                          |      |  |  |
| 42 610                                                                                                                   | 17 487                          | 40.7             | 14.25            | 92.33            | 0.2763 | 0.0967 | 0.6268 | 256.4           | -1 558c                         | 31 558                          |      |  |  |
| 42 615                                                                                                                   | 17 487                          | 40.71            | 14.32            | 92.5             | 0.2759 | 0.0971 | 0.6269 | 256.3           | -1 558c                         | 31 558                          |      |  |  |
| 44 620                                                                                                                   | 17 487                          | 32.77            | 10.81            | 92.62            | 0.2405 | 0.0794 | 0.6799 | 249.9           | -1 561c                         | 32 561                          |      |  |  |
| 45 625                                                                                                                   | 17 488                          | 29.51            | 9.49             | 92.72            | 0.224  | 0.072  | 0.7038 | 247.3           | -1 563c                         | 32 563                          |      |  |  |
| 46 630                                                                                                                   | 17 488                          | 26.75            | 8.39             | 92.8             | 0.209  | 0.0656 | 0.7252 | 245.1           | -1 564c                         | 32 564                          |      |  |  |
| 46 635                                                                                                                   | 17 488                          | 26.75            | 8.42             | 92.86            | 0.2089 | 0.0658 | 0.7252 | 245.0           | -1 564c                         | 32 564                          |      |  |  |
| 47 640                                                                                                                   | 17 488                          | 24.44            | 7.53             | 92.91            | 0.1957 | 0.0603 | 0.7439 | 243.2           | 5 425                           | 33 565                          |      |  |  |
| 49 645                                                                                                                   | 17 488                          | 21.04            | 6.24             | 92.95            | 0.175  | 0.0519 | 0.773  | 240.6           | 9 445                           | 33 566                          |      |  |  |
| 50 650                                                                                                                   | 17 488                          | 19.87            | 5.81             | 92.97            | 0.1674 | 0.0489 | 0.7835 | 239.7           | 9 449                           | 33 566                          |      |  |  |
| 51 655                                                                                                                   | 17 488                          | 18.97            | 5.48             | 92.99            | 0.1615 | 0.0467 | 0.7917 | 239.0           | 10 451                          | 33 566                          |      |  |  |
| 52 660                                                                                                                   | 17 488                          | 18.3             | 5.24             | 93.01            | 0.157  | 0.045  | 0.7979 | 238.5           | 10 453                          | 33 567                          |      |  |  |
| 53 665                                                                                                                   | 17 488                          | 17.82            | 5.07             | 93.02            | 0.1537 | 0.0437 | 0.8024 | 238.2           | 10 454                          | 33 567                          |      |  |  |
| 54 670                                                                                                                   | 17 488                          | 17.46            | 4.94             | 93.03            | 0.1513 | 0.0428 | 0.8058 | 237.9           | 11 455                          | 33 567                          |      |  |  |
| 54 675                                                                                                                   | 17 488                          | 17.47            | 4.95             | 93.03            | 0.1513 | 0.0428 | 0.8058 | 237.9           | 11 455                          | 33 567                          |      |  |  |
| 56 680                                                                                                                   | 17 488                          | 17.02            | 4.79             | 93.04            | 0.1482 | 0.0417 | 0.81   | 237.6           | 11 456                          | 33 567                          |      |  |  |
| 57 685                                                                                                                   | 17 488                          | 16.89            | 4.74             | 93.05            | 0.1473 | 0.0413 | 0.8112 | 237.5           | 11 456                          | 33 567                          |      |  |  |
| 58 690                                                                                                                   | 17 488                          | 16.8             | 4.71             | 93.05            | 0.1466 | 0.0411 | 0.8121 | 237.4           | 11 456                          | 33 567                          |      |  |  |
| 380                                                                                                                      | 770                             | 100.0            | 100.0            | 100.0            | 0.3333 | 0.3333 | 0.3333 | 0.0             |                                 |                                 |      |  |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for E00 and Y <sub>w</sub> =100, B <sub>m</sub> =380_520 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |      |  |  |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|------|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                          | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 32 564                                                                                                                   | 1 405                           | 67.53            | 42.57            | 1.71             | 0.6039 | 0.3807 | 0.0153 | 9.9             | 38 592                          | 16 484                          | Rm   |  |  |
| 32 564                                                                                                                   | 2 410                           | 67.79            | 42.55            | 3.06             | 0.5977 | 0.3751 | 0.027  | 8.9             | 38 593                          | 16 484                          |      |  |  |
| 32 564                                                                                                                   | 2 415                           | 67.76            | 42.5             | 3.06             | 0.5979 | 0.375  | 0.027  | 8.9             | 38 593                          | 16 484                          |      |  |  |
| 32 564                                                                                                                   | 3 420                           | 68.19            | 42.43            | 5.44             | 0.5875 | 0.3655 | 0.0469 | 7.2             | 39 595                          | 17 485                          |      |  |  |
| 33 565                                                                                                                   | 5 425                           | 70.09            | 42.38            | 15.06            | 0.5495 | 0.3323 | 0.118  | 359.7           | 41 605                          | 17 486                          |      |  |  |
| 33 565                                                                                                                   | 6 430                           | 71.39            | 42.29            | 22.1             | 0.5257 | 0.3114 | 0.1627 | 353.5           | 45 626                          | 17 488                          |      |  |  |
| 33 565                                                                                                                   | 6 435                           | 71.23            | 42.08            | 22.09            | 0.526  | 0.3107 | 0.1632 | 353.3           | 45 627                          | 17 488                          |      |  |  |
| 33 565                                                                                                                   | 8 440                           | 74.22            | 42.02            | 38.24            | 0.4804 | 0.272  | 0.2475 | 337.3           | -1 492c                         | 18 492                          |      |  |  |
| 33 566                                                                                                                   | 9 445                           | 75.53            | 41.81            | 46.55            | 0.4608 | 0.2551 | 0.284  | 328.4           | -1 494c                         | 18 494                          |      |  |  |
| 33 566                                                                                                                   | 10 450                          | 76.68            | 41.55            | 54.78            | 0.4432 | 0.2401 | 0.3166 | 319.7           | -1 498c                         | 19 498                          |      |  |  |
| 33 567                                                                                                                   | 11 455                          | 77.62            | 41.19            | 62.76            | 0.4274 | 0.2268 | 0.3456 | 311.5           | -1 502c                         | 20 502                          |      |  |  |
| 33 568                                                                                                                   | 12 460                          | 78.26            | 40.71            | 70.24            | 0.4135 | 0.2151 | 0.3712 | 304.2           | -1 507c                         | 21 507                          |      |  |  |
| 33 569                                                                                                                   | 13 465                          | 78.31            | 39.85            | 76.83            | 0.4015 | 0.2043 | 0.394  | 297.9           | -1 514c                         | 22 514                          |      |  |  |
| 34 571                                                                                                                   | 14 470                          | 77.42            | 38.47            | 82.27            | 0.3906 | 0.1941 | 0.4151 | 292.4           | -1 522c                         | 24 522                          |      |  |  |
| 35 575                                                                                                                   | 14 475                          | 74.61            | 35.46            | 82.27            | 0.3878 | 0.1843 | 0.4277 | 290.1           | -1 525c                         | 25 525                          | Mm   |  |  |
| 36 581                                                                                                                   | 16 480                          | 70.08            | 31.78            | 89.94            | 0.3653 | 0.1656 | 0.4689 | 280.8           | -1 538c                         | 27 538                          |      |  |  |
| 39 595                                                                                                                   | 17 485                          | 57.45            | 23.29            | 92.46            | 0.3317 | 0.1344 | 0.5337 | 269.5           | -1 549c                         | 29 549                          |      |  |  |
| -1 490c                                                                                                                  | 18 490                          | 16.65            | 5.45             | 94.36            | 0.1429 | 0.0468 | 0.8101 | 236.4           | 11 459                          | 33 568                          |      |  |  |
| -1 495c                                                                                                                  | 19 495                          | 16.7             | 6.81             | 95.82            | 0.1399 | 0.0571 | 0.8029 | 235.0           | 12 461                          | 33 568                          |      |  |  |
| -1 499c                                                                                                                  | 19 500                          | 16.7             | 6.81             | 95.82            | 0.1399 | 0.0571 | 0.8029 | 235.0           | 12 461                          | 33 568                          |      |  |  |
| -1 505c                                                                                                                  | 21 505                          | 16.74            | 10.65            | 97.82            | 0.1337 | 0.0851 | 0.7811 | 231.2           | 13 466                          | 34 570                          |      |  |  |
| -1 510c                                                                                                                  | 22 510                          | 16.83            | 13.25            | 98.45            | 0.1309 | 0.1031 | 0.7659 | 228.6           | 13 469                          | 34 571                          |      |  |  |
| -1 514c                                                                                                                  | 22 515                          | 16.83            | 13.25            | 98.45            | 0.1309 | 0.1031 | 0.7659 | 228.6           | 13 469                          | 34 571                          |      |  |  |
| -1 520c                                                                                                                  | 24 520                          | 17.45            | 19.85            | 99.22            | 0.1278 | 0.1454 | 0.7267 | 222.4           | 14 473                          | 34 574                          | Bm   |  |  |
| -1 524c                                                                                                                  | 24 525                          | 17.45            | 19.85            | 99.22            | 0.1278 | 0.1454 | 0.7267 | 222.4           | 14 473                          | 34 574                          |      |  |  |
| -1 530c                                                                                                                  | 26 530                          | 19.01            | 27.88            | 99.62            | 0.1297 | 0.1903 | 0.6798 | 215.1           | 15 477                          | 35 577                          |      |  |  |
| -1 534c                                                                                                                  | 26 535                          | 19.01            | 27.88            | 99.62            | 0.1297 | 0.1903 | 0.6798 | 215.1           | 15 477                          | 35 577                          |      |  |  |
| -1 540c                                                                                                                  | 28 540                          | 21.74            | 36.78            | 99.81            | 0.1373 | 0.2323 | 0.6303 | 207.2           | 15 479                          | 36 581                          |      |  |  |
| -1 545c                                                                                                                  | 29 545                          | 23.59            | 41.4             | 99.86            | 0.1431 | 0.2511 | 0.6057 | 203.3           | 16 480                          | 36 583                          |      |  |  |
| -1 549c                                                                                                                  | 29 550                          | 23.59            | 41.4             | 99.86            | 0.1431 | 0.2511 | 0.6057 | 203.3           | 16 480                          | 36 583                          |      |  |  |
| -1 554c                                                                                                                  | 30 555                          | 25.81            | 46.07            | 99.9             | 0.1502 | 0.2682 | 0.5815 | 199.5           | 16 482                          | 37 585                          |      |  |  |
| -1 560c                                                                                                                  | 32 560                          | 31.37            | 55.35            | 99.94            | 0.168  | 0.2965 | 0.5353 | 192.5           | 16 483                          | 38 590                          |      |  |  |
| 4 422                                                                                                                    | 32 565                          | 29.48            | 55.3             | 90.88            | 0.1678 | 0.3147 | 0.5173 | 186.3           | 17 485                          | 39 596                          |      |  |  |
| 13 465                                                                                                                   | 34 570                          | 24.17            | 62.68            | 25.17            | 0.2157 | 0.5595 | 0.2247 | 117.4           | 22 514                          | -1 514c                         |      |  |  |
| 14 474                                                                                                                   | 34 575                          | 22.8             | 61.85            | 15.71            | 0.2272 | 0.6161 | 0.1565 | 110.5           | 25 525                          | -1 525c                         |      |  |  |
| 15 479                                                                                                                   | 36 580                          | 30.94            | 69.41            | 12.28            | 0.2747 | 0.6162 | 0.109  | 101.6           | 27 537                          | -1 537c                         |      |  |  |
| 16 481                                                                                                                   | 36 585                          | 30.75            | 69.0             | 10.48            | 0.2789 | 0.6259 | 0.0951 | 100.5           | 27 539                          | -1 539c                         |      |  |  |
| 16 483                                                                                                                   | 37 590                          | 35.34            | 72.37            | 9.38             | 0.3017 | 0.618  | 0.0801 | 96.3            | 28 543                          | -1 543c                         |      |  |  |
| 16 485                                                                                                                   | 38 595                          | 40.14            | 75.56            | 8.62             | 0.3228 | 0.6077 | 0.0693 | 92.1            | 29 547                          | -1 547c                         |      |  |  |
| 17 486                                                                                                                   | 39 600                          | 45.07            | 78.47            | 8.2              | 0.342  | 0.5956 | 0.0622 | 88.0            | 30 550                          | -1 550c                         |      |  |  |
| 17 486                                                                                                                   | 41 605                          | 54.77            | 83.64            | 7.89             | 0.3743 | 0.5716 | 0.0539 | 80.2            | 31 556                          | -1 556c                         |      |  |  |
| 17 487                                                                                                                   | 42 610                          | 59.29            | 85.74            | 7.67             | 0.3882 | 0.5614 | 0.0502 | 76.4            | 31 558                          | -1 558c                         |      |  |  |
| 17 487                                                                                                                   | 42 615                          | 59.28            | 85.67            | 7.5              | 0.3888 | 0.5619 | 0.0492 | 76.3            | 31 558                          | -1 558c                         |      |  |  |
| 17 487                                                                                                                   | 44 620                          | 67.22            | 89.18            | 7.37             | 0.4104 | 0.5445 | 0.045  | 69.9            | 32 561                          | -1 561c                         |      |  |  |
| 17 488                                                                                                                   | 45 625                          | 70.48            | 90.5             | 7.27             | 0.4188 | 0.5378 | 0.0432 | 67.2            | 32 563                          | -1 563c                         |      |  |  |
| 17 488                                                                                                                   | 46 630                          | 73.24            | 91.6             | 7.19             | 0.4257 | 0.5324 | 0.0418 | 65.0            | 32 564                          | -1 564c                         |      |  |  |
| 17 488                                                                                                                   | 46 635                          | 73.24            | 91.57            | 7.13             | 0.4259 | 0.5325 | 0.0414 | 65.0            | 32 564                          | -1 564c                         |      |  |  |
| 17 488                                                                                                                   | 47 640                          | 75.55            | 92.46            | 7.08             | 0.4314 | 0.528  | 0.0404 | 63.2            | 33 565                          | 5 425                           |      |  |  |
| 17 488                                                                                                                   | 49 645                          | 78.95            | 93.75            | 7.05             | 0.4392 | 0.5215 | 0.0392 | 60.6            | 33 566                          | 9 445                           |      |  |  |
| 17 488                                                                                                                   | 50 650                          | 80.12            | 94.18            | 7.02             | 0.4418 | 0.5194 | 0.0387 | 59.7            | 33 566                          | 9 449                           |      |  |  |
| 17 488                                                                                                                   | 51 655                          | 81.02            | 94.51            | 7.0              | 0.4438 | 0.5177 | 0.0383 | 59.0            | 33 566                          | 10 451                          |      |  |  |
| 17 488                                                                                                                   | 52 660                          | 81.69            | 94.75            | 6.98             | 0.4453 | 0.5165 | 0.0381 | 58.5            | 33 567                          | 10 453                          |      |  |  |
| 17 488                                                                                                                   | 53 665                          | 82.17            | 94.92            | 6.97             | 0.4464 | 0.5156 | 0.0379 | 58.1            | 33 567                          | 10 454                          |      |  |  |
| 17 488                                                                                                                   | 54 670                          | 82.53            | 95.05            | 6.97             | 0.4471 | 0.515  | 0.0377 | 57.9            | 33 567                          | 11 455                          |      |  |  |
| 17 488                                                                                                                   | 54 675                          | 82.53            | 95.04            | 6.96             | 0.4472 | 0.515  | 0.0377 | 57.9            | 33 567                          | 11 455                          |      |  |  |
| 17 488                                                                                                                   | 56 680                          | 82.97            | 95.2             | 6.95             | 0.4481 | 0.5142 | 0.0375 | 57.5            | 33 567                          | 11 456                          |      |  |  |
| 17 488                                                                                                                   | 57 685                          | 83.1             | 95.25            | 6.95             | 0.4484 | 0.514  | 0.0375 | 57.4            | 33 567                          | 11 456                          |      |  |  |
| 17 488                                                                                                                   | 58 690                          | 83.19            | 95.28            | 6.94             | 0.4486 | 0.5138 | 0.0374 | 57.4            | 33 567                          | 11 456                          |      |  |  |
| 380                                                                                                                      | 770                             | 100.0            | 100.0            | 100.0            | 0.3333 | 0.3333 | 0.3333 | 0.0             |                                 |                                 |      |  |  |

see similar files: <http://130.149.60.45/~farbmetrik/SN63/SN63.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-SN63/SN63L0NP.PDF /.PS  
application for measurement of display output

TUB material: code=rha4ta

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for C00 and Y <sub>w</sub> =100, Y <sub>m</sub> =520_770 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |      |  |  |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|------|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                          | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 1 405                                                                                                                    | 32 562                          | 34.5             | 57.68            | 117.03           | 0.1649 | 0.2756 | 0.5593 | 195.5           | 16 482                          | 37 589                          | Cm   |  |  |
| 2 410                                                                                                                    | 32 562                          | 34.29            | 57.71            | 115.85           | 0.1649 | 0.2776 | 0.5573 | 194.8           | 16 482                          | 38 590                          |      |  |  |
| 3 415                                                                                                                    | 32 562                          | 33.86            | 57.76            | 113.59           | 0.1649 | 0.2814 | 0.5535 | 193.4           | 16 483                          | 38 591                          |      |  |  |
| 4 420                                                                                                                    | 32 562                          | 33.09            | 57.84            | 109.52           | 0.165  | 0.2885 | 0.5463 | 190.7           | 16 483                          | 38 594                          |      |  |  |
| 5 425                                                                                                                    | 32 562                          | 31.91            | 57.94            | 103.28           | 0.1652 | 0.3    | 0.5347 | 186.3           | 16 484                          | 39 599                          |      |  |  |
| 5 430                                                                                                                    | 32 562                          | 32.06            | 58.16            | 103.28           | 0.1656 | 0.3005 | 0.5337 | 186.1           | 16 484                          | 39 599                          |      |  |  |
| 6 435                                                                                                                    | 32 563                          | 30.59            | 58.35            | 95.14            | 0.1661 | 0.3169 | 0.5168 | 179.6           | 17 486                          | 42 612                          |      |  |  |
| 8 440                                                                                                                    | 32 563                          | 26.93            | 58.44            | 75.52            | 0.1674 | 0.3632 | 0.4693 | 161.7           | 17 489                          | -1 489c                         |      |  |  |
| 9 445                                                                                                                    | 32 563                          | 25.28            | 58.73            | 65.19            | 0.1694 | 0.3936 | 0.4369 | 151.1           | 18 492                          | -1 492c                         |      |  |  |
| 10 450                                                                                                                   | 32 564                          | 23.8             | 59.09            | 54.97            | 0.1726 | 0.4286 | 0.3987 | 140.6           | 19 496                          | -1 496c                         |      |  |  |
| 10 455                                                                                                                   | 33 565                          | 24.37            | 59.86            | 54.97            | 0.175  | 0.43   | 0.3948 | 139.9           | 19 496                          | -1 496c                         |      |  |  |
| 11 460                                                                                                                   | 33 566                          | 23.39            | 60.53            | 45.09            | 0.1813 | 0.4691 | 0.3494 | 130.0           | 20 501                          | -1 501c                         |      |  |  |
| 13 465                                                                                                                   | 33 568                          | 21.76            | 61.21            | 27.67            | 0.1967 | 0.5531 | 0.2501 | 115.5           | 22 513                          | -1 513c                         |      |  |  |
| 14 470                                                                                                                   | 34 570                          | 22.73            | 62.96            | 20.9             | 0.2132 | 0.5906 | 0.1961 | 109.4           | 24 522                          | -1 522c                         |      |  |  |
| 15 475                                                                                                                   | 35 575                          | 25.45            | 65.92            | 15.51            | 0.2381 | 0.6167 | 0.1451 | 103.4           | 26 530                          | -1 530c                         | Gm   |  |  |
| 16 480                                                                                                                   | 36 582                          | 31.68            | 71.08            | 11.37            | 0.2775 | 0.6227 | 0.0996 | 96.0            | 28 540                          | -1 540c                         |      |  |  |
| 16 485                                                                                                                   | 40 602                          | 48.83            | 82.56            | 11.39            | 0.342  | 0.5781 | 0.0798 | 83.0            | 30 551                          | -1 551c                         |      |  |  |
| 18 490                                                                                                                   | -1 490c                         | 78.39            | 93.33            | 6.01             | 0.441  | 0.525  | 0.0338 | 57.8            | 33 566                          | 11 459                          |      |  |  |
| 19 495                                                                                                                   | -1 495c                         | 78.34            | 91.77            | 4.32             | 0.449  | 0.526  | 0.0248 | 56.4            | 33 567                          | 12 462                          |      |  |  |
| 19 500                                                                                                                   | -1 499c                         | 78.34            | 91.77            | 4.32             | 0.449  | 0.526  | 0.0248 | 56.4            | 33 567                          | 12 462                          |      |  |  |
| 21 505                                                                                                                   | -1 505c                         | 78.29            | 87.66            | 2.16             | 0.4656 | 0.5214 | 0.0128 | 52.8            | 33 568                          | 13 466                          |      |  |  |
| 21 510                                                                                                                   | -1 509c                         | 78.29            | 87.66            | 2.16             | 0.4656 | 0.5214 | 0.0128 | 52.8            | 33 568                          | 13 466                          |      |  |  |
| 23 515                                                                                                                   | -1 515c                         | 77.99            | 82.02            | 1.09             | 0.4841 | 0.5091 | 0.0067 | 47.9            | 34 571                          | 14 470                          |      |  |  |
| 24 520                                                                                                                   | -1 520c                         | 77.6             | 78.6             | 0.78             | 0.4943 | 0.5006 | 0.0049 | 45.0            | 34 572                          | 14 472                          | Ym   |  |  |
| 24 525                                                                                                                   | -1 524c                         | 77.6             | 78.6             | 0.78             | 0.4943 | 0.5006 | 0.0049 | 45.0            | 34 572                          | 14 472                          |      |  |  |
| 26 530                                                                                                                   | -1 530c                         | 76.06            | 70.68            | 0.38             | 0.5169 | 0.4804 | 0.0026 | 38.4            | 35 575                          | 15 475                          |      |  |  |
| 27 535                                                                                                                   | -1 535c                         | 74.83            | 66.25            | 0.27             | 0.5293 | 0.4686 | 0.0019 | 34.8            | 35 577                          | 15 477                          |      |  |  |
| 28 540                                                                                                                   | -1 540c                         | 73.26            | 61.57            | 0.18             | 0.5425 | 0.456  | 0.0013 | 31.0            | 35 579                          | 15 478                          |      |  |  |
| 28 545                                                                                                                   | -1 544c                         | 73.26            | 61.57            | 0.18             | 0.5425 | 0.456  | 0.0013 | 31.0            | 35 579                          | 15 478                          |      |  |  |
| 29 550                                                                                                                   | -1 549c                         | 71.31            | 56.72            | 0.13             | 0.5563 | 0.4425 | 0.001  | 27.1            | 36 581                          | 15 479                          |      |  |  |
| 31 555                                                                                                                   | -1 555c                         | 66.23            | 46.84            | 0.07             | 0.5853 | 0.4139 | 0.0006 | 19.5            | 37 586                          | 16 481                          |      |  |  |
| 31 560                                                                                                                   | -1 559c                         | 66.23            | 46.84            | 0.07             | 0.5853 | 0.4139 | 0.0006 | 19.5            | 37 586                          | 16 481                          |      |  |  |
| 32 565                                                                                                                   | 10 452                          | 75.74            | 42.89            | 63.81            | 0.4151 | 0.2351 | 0.3497 | 322.3           | -1 495c                         | 19 495                          |      |  |  |
| 33 570                                                                                                                   | 13 468                          | 77.06            | 39.51            | 92.45            | 0.3686 | 0.189  | 0.4422 | 294.7           | -1 514c                         | 22 514                          |      |  |  |
| 35 575                                                                                                                   | 14 474                          | 70.27            | 31.7             | 100.28           | 0.3474 | 0.1567 | 0.4958 | 283.2           | -1 531c                         | 26 531                          |      |  |  |
| 35 580                                                                                                                   | 15 478                          | 70.67            | 32.28            | 103.69           | 0.3419 | 0.1562 | 0.5017 | 281.3           | -1 533c                         | 26 533                          |      |  |  |
| 37 585                                                                                                                   | 16 480                          | 62.16            | 25.38            | 105.71           | 0.3216 | 0.1313 | 0.547  | 273.6           | -1 542c                         | 28 542                          |      |  |  |
| 38 590                                                                                                                   | 16 482                          | 57.76            | 22.57            | 106.91           | 0.3084 | 0.1205 | 0.5709 | 269.5           | -1 546c                         | 29 546                          |      |  |  |
| 38 595                                                                                                                   | 16 483                          | 57.84            | 22.8             | 107.76           | 0.3069 | 0.121  | 0.5719 | 269.1           | -1 546c                         | 29 546                          |      |  |  |
| 40 600                                                                                                                   | 16 484                          | 48.98            | 17.65            | 108.4            | 0.2798 | 0.1008 | 0.6192 | 262.0           | -1 552c                         | 30 552                          |      |  |  |
| 41 605                                                                                                                   | 17 485                          | 44.75            | 15.57            | 108.79           | 0.2646 | 0.092  | 0.6432 | 258.5           | -1 554c                         | 30 554                          |      |  |  |
| 42 610                                                                                                                   | 17 485                          | 40.74            | 13.72            | 109.05           | 0.2491 | 0.0839 | 0.6668 | 255.3           | -1 556c                         | 31 556                          |      |  |  |
| 42 615                                                                                                                   | 17 486                          | 40.76            | 13.81            | 109.24           | 0.2488 | 0.0843 | 0.6668 | 255.2           | -1 557c                         | 31 557                          |      |  |  |
| 43 620                                                                                                                   | 17 486                          | 37.06            | 12.17            | 109.38           | 0.2336 | 0.0767 | 0.6895 | 252.3           | -1 558c                         | 31 558                          |      |  |  |
| 44 625                                                                                                                   | 17 486                          | 33.74            | 10.77            | 109.49           | 0.2191 | 0.0699 | 0.7109 | 249.7           | -1 560c                         | 32 560                          |      |  |  |
| 46 630                                                                                                                   | 17 487                          | 28.42            | 8.6              | 109.58           | 0.1938 | 0.0586 | 0.7474 | 245.7           | 4 420                           | 32 562                          |      |  |  |
| 47 635                                                                                                                   | 17 487                          | 26.39            | 7.82             | 109.65           | 0.1834 | 0.0544 | 0.7621 | 244.1           | 7 437                           | 32 563                          |      |  |  |
| 47 640                                                                                                                   | 17 487                          | 26.39            | 7.85             | 109.71           | 0.1833 | 0.0545 | 0.762  | 244.1           | 7 437                           | 32 563                          |      |  |  |
| 49 645                                                                                                                   | 17 487                          | 23.39            | 6.71             | 109.75           | 0.1672 | 0.048  | 0.7846 | 241.9           | 9 448                           | 32 564                          |      |  |  |
| 49 650                                                                                                                   | 17 487                          | 23.39            | 6.73             | 109.78           | 0.1672 | 0.0481 | 0.7846 | 241.9           | 9 448                           | 32 564                          |      |  |  |
| 51 655                                                                                                                   | 17 487                          | 21.56            | 6.05             | 109.8            | 0.1569 | 0.044  | 0.7989 | 240.6           | 10 452                          | 33 565                          |      |  |  |
| 52 660                                                                                                                   | 17 487                          | 20.97            | 5.84             | 109.81           | 0.1535 | 0.0427 | 0.8036 | 240.2           | 10 454                          | 33 565                          |      |  |  |
| 52 665                                                                                                                   | 17 487                          | 20.98            | 5.85             | 109.83           | 0.1535 | 0.0428 | 0.8036 | 240.2           | 10 454                          | 33 565                          |      |  |  |
| 54 670                                                                                                                   | 17 487                          | 20.25            | 5.58             | 109.84           | 0.1492 | 0.0411 | 0.8095 | 239.6           | 11 455                          | 33 565                          |      |  |  |
| 55 675                                                                                                                   | 17 487                          | 20.03            | 5.51             | 109.85           | 0.1479 | 0.0407 | 0.8113 | 239.5           | 11 455                          | 33 565                          |      |  |  |
| 55 680                                                                                                                   | 17 487                          | 20.03            | 5.51             | 109.85           | 0.1479 | 0.0407 | 0.8113 | 239.5           | 11 455                          | 33 565                          |      |  |  |
| 57 685                                                                                                                   | 17 487                          | 19.77            | 5.42             | 109.86           | 0.1463 | 0.0401 | 0.8134 | 239.3           | 11 456                          | 33 565                          |      |  |  |
| 58 690                                                                                                                   | 17 487                          | 19.69            | 5.39             | 109.86           | 0.1459 | 0.04   | 0.814  | 239.2           | 11 456                          | 33 565                          |      |  |  |
| 380                                                                                                                      | 770                             | 98.07            | 100.0            | 118.22           | 0.31   | 0.3161 | 0.3737 | 0.0             |                                 |                                 |      |  |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for C00 and Y <sub>w</sub> =100, B <sub>m</sub> =380_520 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |      |  |  |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|------|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                          | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 32 562                                                                                                                   | 1 405                           | 63.56            | 42.31            | 1.19             | 0.5936 | 0.3952 | 0.0111 | 15.5            | 37 589                          | 16 482                          | Rn   |  |  |
| 32 562                                                                                                                   | 2 410                           | 63.78            | 42.28            | 2.36             | 0.5882 | 0.3899 | 0.0218 | 14.8            | 38 590                          | 16 482                          |      |  |  |
| 32 562                                                                                                                   | 3 415                           | 64.21            | 42.23            | 4.63             | 0.578  | 0.3802 | 0.0417 | 13.4            | 38 591                          | 16 483                          |      |  |  |
| 32 562                                                                                                                   | 4 420                           | 64.97            | 42.15            | 8.7              | 0.5609 | 0.3639 | 0.0751 | 10.7            | 38 594                          | 16 483                          |      |  |  |
| 32 562                                                                                                                   | 5 425                           | 66.15            | 42.05            | 14.93            | 0.5372 | 0.3414 | 0.1213 | 6.3             | 39 599                          | 16 484                          |      |  |  |
| 32 562                                                                                                                   | 5 430                           | 66.01            | 41.83            | 14.93            | 0.5375 | 0.3407 | 0.1216 | 6.1             | 39 599                          | 16 484                          |      |  |  |
| 32 563                                                                                                                   | 6 435                           | 67.47            | 41.64            | 23.08            | 0.5104 | 0.315  | 0.1745 | 359.6           | 42 612                          | 17 486                          |      |  |  |
| 32 563                                                                                                                   | 8 440                           | 71.13            | 41.55            | 42.7             | 0.4577 | 0.2673 | 0.2748 | 341.7           | -1 489c                         | 17 489                          |      |  |  |
| 32 563                                                                                                                   | 9 445                           | 72.78            | 41.26            | 53.03            | 0.4356 | 0.2469 | 0.3173 | 331.1           | -1 492c                         | 18 492                          |      |  |  |
| 32 564                                                                                                                   | 10 450                          | 74.26            | 40.9             | 63.25            | 0.4162 | 0.2292 | 0.3544 | 320.7           | -1 496c                         | 19 496                          |      |  |  |
| 33 565                                                                                                                   | 10 455                          | 73.69            | 40.13            | 63.24            | 0.4161 | 0.2266 | 0.3571 | 319.8           | -1 496c                         | 19 496                          |      |  |  |
| 33 566                                                                                                                   | 11 460                          | 74.67            | 39.46            | 73.13            | 0.3987 | 0.2107 | 0.3905 | 310.1           | -1 501c                         | 20 501                          |      |  |  |
| 33 568                                                                                                                   | 13 465                          | 76.3             | 38.78            | 90.54            | 0.371  | 0.1886 | 0.4403 | 295.5           | -1 513c                         | 22 513                          |      |  |  |
| 34 570                                                                                                                   | 14 470                          | 75.33            | 37.03            | 97.31            | 0.3592 | 0.1766 | 0.4641 | 289.4           | -1 522c                         | 24 522                          |      |  |  |
| 35 575                                                                                                                   | 15 475                          | 72.61            | 34.07            | 102.71           | 0.3467 | 0.1627 | 0.4905 | 283.4           | -1 530c                         | 26 530                          | Mn   |  |  |
| 36 582                                                                                                                   | 16 480                          | 66.38            | 28.91            | 106.84           | 0.3284 | 0.143  | 0.5285 | 276.0           | -1 540c                         | 28 540                          |      |  |  |
| 40 602                                                                                                                   | 16 485                          | 49.23            | 17.43            | 106.83           | 0.2837 | 0.1005 | 0.6157 | 263.0           | -1 551c                         | 30 551                          |      |  |  |
| -1 490c                                                                                                                  | 18 490                          | 19.67            | 6.66             | 112.2            | 0.142  | 0.0481 | 0.8098 | 237.9           | 11 459                          | 33 566                          |      |  |  |
| -1 495c                                                                                                                  | 19 495                          | 19.72            | 8.22             | 113.89           | 0.139  | 0.0579 | 0.8029 | 236.4           | 12 462                          | 33 567                          |      |  |  |
| -1 499c                                                                                                                  | 19 500                          | 19.72            | 8.22             | 113.89           | 0.139  | 0.0579 | 0.8029 | 236.4           | 12 462                          | 33 567                          |      |  |  |
| -1 505c                                                                                                                  | 21 505                          | 19.77            | 12.33            | 116.05           | 0.1334 | 0.0832 | 0.7833 | 232.8           | 13 466                          | 33 568                          |      |  |  |
| -1 509c                                                                                                                  | 21 510                          | 19.77            | 12.33            | 116.05           | 0.1334 | 0.0832 | 0.7833 | 232.8           | 13 466                          | 33 568                          |      |  |  |
| -1 515c                                                                                                                  | 23 515                          | 20.07            | 17.97            | 117.13           | 0.1293 | 0.1158 | 0.7547 | 227.9           | 14 470                          | 34 571                          |      |  |  |
| -1 520c                                                                                                                  | 24 520                          | 20.46            | 21.39            | 117.44           | 0.1284 | 0.1342 | 0.7372 | 225.0           | 14 472                          | 34 572                          | Bn   |  |  |
| -1 524c                                                                                                                  | 24 525                          | 20.46            | 21.39            | 117.44           | 0.1284 | 0.1342 | 0.7372 | 225.0           | 14 472                          | 34 572                          |      |  |  |
| -1 530c                                                                                                                  | 26 530                          | 22.0             | 29.31            | 117.83           | 0.1301 | 0.1732 | 0.6966 | 218.4           | 15 475                          | 35 575                          |      |  |  |
| -1 535c                                                                                                                  | 27 535                          | 23.23            | 33.74            | 117.95           | 0.1328 | 0.1929 | 0.6742 | 214.8           | 15 477                          | 35 577                          |      |  |  |
| -1 540c                                                                                                                  | 28 540                          | 24.8             | 38.42            | 118.03           | 0.1368 | 0.2119 | 0.6511 | 211.0           | 15 478                          | 35 579                          |      |  |  |
| -1 544c                                                                                                                  | 28 545                          | 24.8             | 38.42            | 118.03           | 0.1368 | 0.2119 | 0.6511 | 211.0           | 15 478                          | 35 579                          |      |  |  |
| -1 549c                                                                                                                  | 29 550                          | 26.75            | 43.27            | 118.09           | 0.1422 | 0.23   | 0.6277 | 207.1           | 15 479                          | 36 581                          |      |  |  |
| -1 555c                                                                                                                  | 31 555                          | 31.83            | 53.15            | 118.15           | 0.1567 | 0.2616 | 0.5816 | 199.5           | 16 481                          | 37 586                          |      |  |  |
| -1 559c                                                                                                                  | 31 560                          | 31.83            | 53.15            | 118.15           | 0.1567 | 0.2616 | 0.5816 | 199.5           | 16 481                          | 37 586                          |      |  |  |
| 10 452                                                                                                                   | 32 565                          | 22.32            | 57.1             | 54.41            | 0.1668 | 0.4266 | 0.4065 | 142.3           | 19 495                          | -1 495c                         |      |  |  |
| 13 468                                                                                                                   | 33 570                          | 21.0             | 60.48            | 25.76            | 0.1958 | 0.5639 | 0.2402 | 114.7           | 22 514                          | -1 514c                         |      |  |  |
| 14 474                                                                                                                   | 35 575                          | 27.8             | 68.29            | 17.94            | 0.2437 | 0.5988 | 0.1573 | 103.1           | 26 531                          | -1 531c                         |      |  |  |
| 15 478                                                                                                                   | 35 580                          | 27.39            | 67.71            | 14.53            | 0.2498 | 0.6175 | 0.1325 | 101.2           | 26 533                          | -1 533c                         |      |  |  |
| 16 480                                                                                                                   | 37 585                          | 35.91            | 74.61            | 12.5             | 0.2918 | 0.6064 | 0.1016 | 93.5            | 28 542                          | -1 542c                         |      |  |  |
| 16 482                                                                                                                   | 38 590                          | 40.3             | 77.42            | 11.3             | 0.3123 | 0.6    | 0.0876 | 89.5            | 29 546                          | -1 546c                         |      |  |  |
| 16 483                                                                                                                   | 38 595                          | 40.22            | 77.19            | 10.45            | 0.3145 | 0.6036 | 0.0817 | 89.0            | 29 546                          | -1 546c                         |      |  |  |
| 16 484                                                                                                                   | 40 600                          | 49.08            | 82.34            | 9.82             | 0.3474 | 0.5829 | 0.0695 | 81.9            | 30 552                          | -1 552c                         |      |  |  |
| 17 485                                                                                                                   | 41 605                          | 53.31            | 84.42            | 9.42             | 0.3622 | 0.5736 | 0.064  | 78.5            | 30 554                          | -1 554c                         |      |  |  |
| 17 485                                                                                                                   | 42 610                          | 57.32            | 86.27            | 9.17             | 0.3752 | 0.5647 | 0.06   | 75.2            | 31 556                          | -1 556c                         |      |  |  |
| 17 486                                                                                                                   | 42 615                          | 57.3             | 86.18            | 8.98             | 0.3758 | 0.5652 | 0.0589 | 75.1            | 31 557                          | -1 557c                         |      |  |  |
| 17 486                                                                                                                   | 43 620                          | 61.0             | 87.82            | 8.83             | 0.3869 | 0.557  | 0.056  | 72.2            | 31 558                          | -1 558c                         |      |  |  |
| 17 486                                                                                                                   | 44 625                          | 64.32            | 89.22            | 8.72             | 0.3963 | 0.5498 | 0.0537 | 69.7            | 32 560                          | -1 560c                         |      |  |  |
| 17 486                                                                                                                   | 46 630                          | 69.64            | 91.39            | 8.64             | 0.4104 | 0.5386 | 0.0509 | 65.6            | 32 562                          | 4 420                           |      |  |  |
| 17 487                                                                                                                   | 47 635                          | 71.68            | 92.17            | 8.57             | 0.4157 | 0.5345 | 0.0497 | 64.1            | 32 563                          | 7 437                           |      |  |  |
| 17 487                                                                                                                   | 47 640                          | 71.67            | 92.14            | 8.51             | 0.4159 | 0.5346 | 0.0494 | 64.1            | 32 563                          | 7 437                           |      |  |  |
| 17 487                                                                                                                   | 49 645                          | 74.67            | 93.28            | 8.47             | 0.4232 | 0.5287 | 0.048  | 61.9            | 32 564                          | 9 448                           |      |  |  |
| 17 487                                                                                                                   | 49 650                          | 74.67            | 93.26            | 8.44             | 0.4233 | 0.5287 | 0.0478 | 61.9            | 32 564                          | 9 448                           |      |  |  |
| 17 487                                                                                                                   | 51 655                          | 76.5             | 93.94            | 8.42             | 0.4277 | 0.5252 | 0.047  | 60.6            | 33 565                          | 10 452                          |      |  |  |
| 17 487                                                                                                                   | 52 660                          | 77.09            | 94.15            | 8.4              | 0.4291 | 0.524  | 0.0467 | 60.1            | 33 565                          | 10 454                          |      |  |  |
| 17 487                                                                                                                   | 52 665                          | 77.09            | 94.14            | 8.39             | 0.4291 | 0.5241 | 0.0467 | 60.1            | 33 565                          | 10 454                          |      |  |  |
| 17 487                                                                                                                   | 54 670                          | 77.82            | 94.41            | 8.38             | 0.4308 | 0.5227 | 0.0464 | 59.6            | 33 565                          | 11 455                          |      |  |  |
| 17 487                                                                                                                   | 55 675                          | 78.03            | 94.48            | 8.37             | 0.4313 | 0.5223 | 0.0462 | 59.5            | 33 565                          | 11 455                          |      |  |  |
| 17 487                                                                                                                   | 55 680                          | 78.03            | 94.48            | 8.36             | 0.4314 | 0.5223 | 0.0462 | 59.4            | 33 565                          | 11 455                          |      |  |  |
| 17 487                                                                                                                   | 57 685                          | 78.3             | 94.57            | 8.36             | 0.432  | 0.5218 | 0.0461 | 59.3            | 33 565                          | 11 456                          |      |  |  |
| 17 487                                                                                                                   | 58 690                          | 78.37            | 94.6             | 8.35             | 0.4322 | 0.5216 | 0.046  | 59.2            | 33 565                          | 11 456                          |      |  |  |
| 380                                                                                                                      | 770                             | 98.07            | 100.0            | 118.22           | 0.31   | 0.3161 | 0.3737 | 0.0             |                                 |                                 |      |  |  |

see similar files: <http://130.149.60.45/~farbmeterik/SN63/SN63L0NP.PDF> / .PS  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmeterik>

TUB registration: 20130201-SN63/SN63L0NP.PDF /.PS  
application for measurement of display output

TUB material: code=rha4ta

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for P00 and Y <sub>w</sub> =100, Y <sub>m</sub> =520_770 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |      |  |  |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|------|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                          | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 1 405                                                                                                                    | 33 567                          | 30.75            | 56.81            | 79.81            | 0.1837 | 0.3394 | 0.4768 | 184.4           | 17 486                          | 38 594                          | Cm   |  |  |
| 1 410                                                                                                                    | 33 567                          | 30.77            | 56.84            | 79.81            | 0.1838 | 0.3394 | 0.4767 | 184.4           | 17 486                          | 38 594                          |      |  |  |
| 3 415                                                                                                                    | 33 567                          | 30.22            | 56.86            | 77.04            | 0.1841 | 0.3464 | 0.4693 | 182.1           | 17 487                          | 39 596                          |      |  |  |
| 4 420                                                                                                                    | 33 567                          | 29.66            | 56.9             | 74.06            | 0.1846 | 0.3542 | 0.461  | 179.6           | 17 487                          | 39 599                          |      |  |  |
| 5 425                                                                                                                    | 33 567                          | 28.84            | 56.96            | 69.73            | 0.1854 | 0.3662 | 0.4483 | 175.7           | 17 488                          | 41 606                          |      |  |  |
| 6 430                                                                                                                    | 33 567                          | 27.84            | 57.04            | 64.29            | 0.1866 | 0.3823 | 0.4309 | 170.4           | 17 489                          | 44 622                          |      |  |  |
| 7 435                                                                                                                    | 33 567                          | 26.73            | 57.13            | 58.13            | 0.1882 | 0.4023 | 0.4093 | 164.0           | 18 491                          | -1 491c                         |      |  |  |
| 8 440                                                                                                                    | 33 568                          | 25.62            | 57.26            | 51.61            | 0.1905 | 0.4257 | 0.3837 | 156.8           | 18 493                          | -1 493c                         |      |  |  |
| 9 445                                                                                                                    | 33 568                          | 24.58            | 57.43            | 44.97            | 0.1936 | 0.4522 | 0.3541 | 149.2           | 19 496                          | -1 496c                         |      |  |  |
| 10 450                                                                                                                   | 33 568                          | 23.65            | 57.64            | 38.32            | 0.1977 | 0.4818 | 0.3204 | 141.6           | 19 499                          | -1 499c                         |      |  |  |
| 11 455                                                                                                                   | 33 569                          | 22.87            | 57.92            | 31.8             | 0.2031 | 0.5143 | 0.2824 | 134.2           | 20 502                          | -1 502c                         |      |  |  |
| 12 460                                                                                                                   | 34 570                          | 22.35            | 58.3             | 25.63            | 0.2103 | 0.5485 | 0.2411 | 127.5           | 21 507                          | -1 507c                         |      |  |  |
| 13 465                                                                                                                   | 34 571                          | 22.38            | 58.95            | 20.14            | 0.2205 | 0.5809 | 0.1984 | 121.5           | 22 513                          | -1 513c                         |      |  |  |
| 13 470                                                                                                                   | 34 572                          | 23.76            | 60.46            | 20.14            | 0.2277 | 0.5792 | 0.1929 | 120.4           | 23 515                          | -1 515c                         |      |  |  |
| 15 475                                                                                                                   | 35 575                          | 24.94            | 61.97            | 11.85            | 0.2524 | 0.6274 | 0.12   | 111.4           | 25 529                          | -1 529c                         | Gm   |  |  |
| 16 480                                                                                                                   | 36 580                          | 28.9             | 65.35            | 8.98             | 0.2799 | 0.6329 | 0.087  | 106.0           | 27 537                          | -1 537c                         |      |  |  |
| 17 485                                                                                                                   | 37 589                          | 37.81            | 71.71            | 6.79             | 0.325  | 0.6164 | 0.0584 | 97.6            | 29 547                          | -1 547c                         |      |  |  |
| 18 490                                                                                                                   | 45 625                          | 72.2             | 88.93            | 5.13             | 0.4342 | 0.5348 | 0.0308 | 67.8            | 32 564                          | -1 564c                         |      |  |  |
| 18 495                                                                                                                   | -1 494c                         | 88.77            | 95.36            | 5.13             | 0.469  | 0.5038 | 0.0271 | 54.2            | 34 570                          | 12 460                          |      |  |  |
| 20 500                                                                                                                   | -1 500c                         | 88.71            | 92.62            | 2.81             | 0.4817 | 0.5029 | 0.0153 | 50.9            | 34 571                          | 13 465                          |      |  |  |
| 20 505                                                                                                                   | -1 504c                         | 88.71            | 92.62            | 2.81             | 0.4817 | 0.5029 | 0.0153 | 50.9            | 34 571                          | 13 465                          |      |  |  |
| 22 510                                                                                                                   | -1 510c                         | 88.6             | 88.31            | 1.45             | 0.4967 | 0.495  | 0.0081 | 46.1            | 34 573                          | 14 470                          |      |  |  |
| 22 515                                                                                                                   | -1 514c                         | 88.6             | 88.31            | 1.45             | 0.4967 | 0.495  | 0.0081 | 46.1            | 34 573                          | 14 470                          |      |  |  |
| 24 520                                                                                                                   | -1 520c                         | 88.03            | 82.18            | 0.75             | 0.5148 | 0.4807 | 0.0043 | 39.5            | 35 575                          | 14 474                          | Ym   |  |  |
| 24 525                                                                                                                   | -1 524c                         | 88.03            | 82.18            | 0.75             | 0.5148 | 0.4807 | 0.0043 | 39.5            | 35 575                          | 14 474                          |      |  |  |
| 25 530                                                                                                                   | -1 529c                         | 87.42            | 78.53            | 0.53             | 0.525  | 0.4717 | 0.0032 | 35.7            | 35 577                          | 15 476                          |      |  |  |
| 27 535                                                                                                                   | -1 535c                         | 85.39            | 70.39            | 0.26             | 0.5472 | 0.451  | 0.0016 | 27.6            | 36 580                          | 15 479                          |      |  |  |
| 28 540                                                                                                                   | -1 540c                         | 83.92            | 66.0             | 0.18             | 0.559  | 0.4397 | 0.0012 | 23.5            | 36 582                          | 16 481                          |      |  |  |
| 28 545                                                                                                                   | -1 544c                         | 83.92            | 66.0             | 0.18             | 0.559  | 0.4397 | 0.0012 | 23.5            | 36 582                          | 16 481                          |      |  |  |
| 30 550                                                                                                                   | -1 550c                         | 79.92            | 56.88            | 0.1              | 0.5837 | 0.4155 | 0.0007 | 15.5            | 37 586                          | 16 483                          |      |  |  |
| 30 555                                                                                                                   | -1 554c                         | 79.92            | 56.88            | 0.1              | 0.5837 | 0.4155 | 0.0007 | 15.5            | 37 586                          | 16 483                          |      |  |  |
| 32 560                                                                                                                   | -1 560c                         | 74.35            | 47.6             | 0.06             | 0.6093 | 0.3901 | 0.0005 | 8.4             | 38 591                          | 17 485                          |      |  |  |
| 33 565                                                                                                                   | -1 565c                         | 70.94            | 43.03            | 0.05             | 0.6221 | 0.3773 | 0.0004 | 5.2             | 38 593                          | 17 486                          |      |  |  |
| 34 570                                                                                                                   | 11 459                          | 77.12            | 39.43            | 51.35            | 0.4592 | 0.2348 | 0.3058 | 309.8           | -1 505c                         | 21 505                          |      |  |  |
| 34 575                                                                                                                   | 14 473                          | 79.49            | 40.46            | 66.66            | 0.4259 | 0.2168 | 0.3572 | 295.6           | -1 523c                         | 24 523                          |      |  |  |
| 36 580                                                                                                                   | 15 479                          | 71.11            | 32.67            | 70.55            | 0.4079 | 0.1874 | 0.4046 | 285.9           | -1 537c                         | 27 537                          |      |  |  |
| 36 585                                                                                                                   | 16 482                          | 71.28            | 33.11            | 72.27            | 0.4034 | 0.1874 | 0.409  | 284.5           | -1 539c                         | 27 539                          |      |  |  |
| 38 590                                                                                                                   | 17 485                          | 61.31            | 25.96            | 73.34            | 0.3817 | 0.1616 | 0.4566 | 276.3           | -1 548c                         | 29 548                          |      |  |  |
| 38 595                                                                                                                   | 17 486                          | 61.35            | 26.21            | 73.9             | 0.3799 | 0.1623 | 0.4576 | 275.8           | -1 548c                         | 29 548                          |      |  |  |
| 39 600                                                                                                                   | 17 487                          | 56.09            | 23.09            | 74.31            | 0.3654 | 0.1504 | 0.4841 | 271.4           | -1 552c                         | 30 552                          |      |  |  |
| 40 605                                                                                                                   | 17 488                          | 50.8             | 20.21            | 74.6             | 0.3488 | 0.1388 | 0.5123 | 266.9           | -1 555c                         | 31 555                          |      |  |  |
| 41 610                                                                                                                   | 17 489                          | 45.62            | 17.59            | 74.82            | 0.3305 | 0.1274 | 0.542  | 262.4           | -1 557c                         | 31 557                          |      |  |  |
| 43 615                                                                                                                   | 17 489                          | 36.05            | 13.13            | 74.98            | 0.2903 | 0.1057 | 0.6038 | 254.1           | -1 562c                         | 32 562                          |      |  |  |
| 44 620                                                                                                                   | 17 489                          | 31.88            | 11.36            | 75.1             | 0.2694 | 0.096  | 0.6345 | 250.5           | -1 563c                         | 32 563                          |      |  |  |
| 45 625                                                                                                                   | 17 490                          | 28.24            | 9.87             | 75.19            | 0.2492 | 0.0871 | 0.6636 | 247.3           | -1 565c                         | 33 565                          |      |  |  |
| 46 630                                                                                                                   | 18 490                          | 25.11            | 8.64             | 75.25            | 0.2303 | 0.0792 | 0.6903 | 244.6           | -1 566c                         | 33 566                          |      |  |  |
| 47 635                                                                                                                   | 18 490                          | 22.48            | 7.63             | 75.29            | 0.2132 | 0.0724 | 0.7143 | 242.3           | -1 567c                         | 33 567                          |      |  |  |
| 48 640                                                                                                                   | 18 490                          | 20.31            | 6.81             | 75.33            | 0.1982 | 0.0665 | 0.7351 | 240.5           | 6 432                           | 33 567                          |      |  |  |
| 48 645                                                                                                                   | 18 490                          | 20.31            | 6.83             | 75.36            | 0.1981 | 0.0667 | 0.7351 | 240.4           | 6 432                           | 33 567                          |      |  |  |
| 50 650                                                                                                                   | 18 490                          | 17.2             | 5.67             | 75.38            | 0.1751 | 0.0577 | 0.7671 | 237.9           | 9 448                           | 33 568                          |      |  |  |
| 51 655                                                                                                                   | 18 490                          | 16.15            | 5.29             | 75.39            | 0.1668 | 0.0546 | 0.7785 | 237.0           | 10 452                          | 33 569                          |      |  |  |
| 52 660                                                                                                                   | 18 490                          | 15.36            | 5.01             | 75.4             | 0.1604 | 0.0523 | 0.7872 | 236.3           | 10 454                          | 33 569                          |      |  |  |
| 53 665                                                                                                                   | 18 490                          | 14.78            | 4.8              | 75.41            | 0.1556 | 0.0505 | 0.7938 | 235.9           | 11 455                          | 33 569                          |      |  |  |
| 54 670                                                                                                                   | 18 490                          | 14.36            | 4.65             | 75.41            | 0.152  | 0.0492 | 0.7986 | 235.5           | 11 456                          | 33 569                          |      |  |  |
| 55 675                                                                                                                   | 18 490                          | 14.04            | 4.54             | 75.42            | 0.1494 | 0.0483 | 0.8022 | 235.3           | 11 457                          | 33 569                          |      |  |  |
| 55 680                                                                                                                   | 18 490                          | 14.04            | 4.54             | 75.43            | 0.1494 | 0.0483 | 0.8022 | 235.3           | 11 457                          | 33 569                          |      |  |  |
| 57 685                                                                                                                   | 18 490                          | 13.66            | 4.4              | 75.43            | 0.1461 | 0.0471 | 0.8067 | 235.0           | 11 458                          | 33 569                          |      |  |  |
| 58 690                                                                                                                   | 18 490                          | 13.55            | 4.36             | 75.43            | 0.1451 | 0.0468 | 0.808  | 234.9           | 11 458                          | 33 569                          |      |  |  |
| 380                                                                                                                      | 770                             | 102.06           | 100.0            | 81.06            | 0.3604 | 0.3531 | 0.2863 | 0.0             |                                 |                                 |      |  |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for P00 and Y <sub>w</sub> =100, B <sub>m</sub> =380_520 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |      |  |  |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|------|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                          | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 33 567                                                                                                                   | 1 405                           | 71.3             | 43.18            | 1.24             | 0.6161 | 0.3731 | 0.0107 | 4.4             | 38 594                          | 17 486                          | Rn   |  |  |
| 33 567                                                                                                                   | 1 410                           | 71.28            | 43.15            | 1.24             | 0.6161 | 0.373  | 0.0107 | 4.4             | 38 594                          | 17 486                          |      |  |  |
| 33 567                                                                                                                   | 3 415                           | 71.83            | 43.13            | 4.01             | 0.6037 | 0.3625 | 0.0337 | 2.1             | 39 596                          | 17 487                          |      |  |  |
| 33 567                                                                                                                   | 4 420                           | 72.4             | 43.09            | 6.99             | 0.591  | 0.3517 | 0.0571 | 359.6           | 39 599                          | 17 487                          |      |  |  |
| 33 567                                                                                                                   | 5 425                           | 73.22            | 43.03            | 11.32            | 0.5739 | 0.3373 | 0.0887 | 355.7           | 41 606                          | 17 488                          |      |  |  |
| 33 567                                                                                                                   | 6 430                           | 74.22            | 42.95            | 16.76            | 0.5541 | 0.3206 | 0.1251 | 350.4           | 44 622                          | 17 489                          |      |  |  |
| 33 567                                                                                                                   | 7 435                           | 75.32            | 42.86            | 22.92            | 0.5338 | 0.3037 | 0.1624 | 344.0           | -1 491c                         | 18 491                          |      |  |  |
| 33 568                                                                                                                   | 8 440                           | 76.43            | 42.73            | 29.44            | 0.5143 | 0.2875 | 0.1981 | 336.9           | -1 493c                         | 18 493                          |      |  |  |
| 33 568                                                                                                                   | 9 445                           | 77.47            | 42.56            | 36.08            | 0.4962 | 0.2726 | 0.2311 | 329.3           | -1 496c                         | 19 496                          |      |  |  |
| 33 568                                                                                                                   | 10 450                          | 78.41            | 42.35            | 42.73            | 0.4795 | 0.259  | 0.2613 | 321.6           | -1 499c                         | 19 499                          |      |  |  |
| 33 569                                                                                                                   | 11 455                          | 79.18            | 42.07            | 49.25            | 0.4644 | 0.2467 | 0.2888 | 314.3           | -1 502c                         | 20 502                          |      |  |  |
| 34 570                                                                                                                   | 12 460                          | 79.71            | 41.69            | 55.42            | 0.4507 | 0.2357 | 0.3134 | 307.5           | -1 507c                         | 21 507                          |      |  |  |
| 34 571                                                                                                                   | 13 465                          | 79.68            | 41.04            | 60.91            | 0.4386 | 0.2259 | 0.3353 | 301.5           | -1 513c                         | 22 513                          |      |  |  |
| 34 572                                                                                                                   | 13 470                          | 78.29            | 39.53            | 60.91            | 0.438  | 0.2211 | 0.3407 | 300.4           | -1 515c                         | 22 515                          |      |  |  |
| 35 575                                                                                                                   | 15 475                          | 77.12            | 38.02            | 69.2             | 0.4183 | 0.2062 | 0.3753 | 291.5           | -1 529c                         | 25 529                          | Mn   |  |  |
| 36 580                                                                                                                   | 16 480                          | 73.15            | 34.64            | 72.07            | 0.4067 | 0.1925 | 0.4006 | 286.0           | -1 537c                         | 27 537                          |      |  |  |
| 37 589                                                                                                                   | 17 485                          | 64.24            | 28.28            | 74.26            | 0.3851 | 0.1695 | 0.4452 | 277.6           | -1 547c                         | 29 547                          |      |  |  |
| 45 625                                                                                                                   | 18 490                          | 29.85            | 11.06            | 75.92            | 0.2555 | 0.0946 | 0.6497 | 247.9           | -1 564c                         | 32 564                          |      |  |  |
| -1 494c                                                                                                                  | 18 495                          | 13.29            | 4.63             | 75.92            | 0.1416 | 0.0493 | 0.809  | 234.2           | 12 460                          | 34 570                          |      |  |  |
| -1 500c                                                                                                                  | 20 500                          | 13.35            | 7.37             | 78.24            | 0.1349 | 0.0745 | 0.7905 | 231.0           | 13 465                          | 34 571                          |      |  |  |
| -1 504c                                                                                                                  | 20 505                          | 13.35            | 7.37             | 78.24            | 0.1349 | 0.0745 | 0.7905 | 231.0           | 13 465                          | 34 571                          |      |  |  |
| -1 510c                                                                                                                  | 22 510                          | 13.45            | 11.68            | 79.6             | 0.1284 | 0.1115 | 0.7599 | 226.1           | 14 470                          | 34 573                          |      |  |  |
| -1 514c                                                                                                                  | 22 515                          | 13.45            | 11.68            | 79.6             | 0.1284 | 0.1115 | 0.7599 | 226.1           | 14 470                          | 34 573                          |      |  |  |
| -1 520c                                                                                                                  | 24 520                          | 14.03            | 17.81            | 80.3             | 0.1251 | 0.1588 | 0.716  | 219.5           | 14 474                          | 35 575                          | Bn   |  |  |
| -1 524c                                                                                                                  | 24 525                          | 14.03            | 17.81            | 80.3             | 0.1251 | 0.1588 | 0.716  | 219.5           | 14 474                          | 35 575                          |      |  |  |
| -1 529c                                                                                                                  | 25 530                          | 14.64            | 21.46            | 80.52            | 0.1255 | 0.184  | 0.6904 | 215.7           | 15 476                          | 35 577                          |      |  |  |
| -1 535c                                                                                                                  | 27 535                          | 16.67            | 29.6             | 80.8             | 0.1311 | 0.2329 | 0.6358 | 207.6           | 15 479                          | 36 580                          |      |  |  |
| -1 540c                                                                                                                  | 28 540                          | 18.14            | 33.99            | 80.87            | 0.1364 | 0.2555 | 0.608  | 203.5           | 16 481                          | 36 582                          |      |  |  |
| -1 544c                                                                                                                  | 28 545                          | 18.14            | 33.99            | 80.87            | 0.1364 | 0.2555 | 0.608  | 203.5           | 16 481                          | 36 582                          |      |  |  |
| -1 550c                                                                                                                  | 30 550                          | 22.14            | 43.11            | 80.96            | 0.1514 | 0.2948 | 0.5537 | 195.5           | 16 483                          | 37 586                          |      |  |  |
| -1 554c                                                                                                                  | 30 555                          | 22.14            | 43.11            | 80.96            | 0.1514 | 0.2948 | 0.5537 | 195.5           | 16 483                          | 37 586                          |      |  |  |
| -1 560c                                                                                                                  | 32 560                          | 27.71            | 52.39            | 80.99            | 0.172  | 0.3252 | 0.5027 | 188.4           | 17 485                          | 38 591                          |      |  |  |
| -1 565c                                                                                                                  | 33 565                          | 31.12            | 56.96            | 81.01            | 0.184  | 0.3368 | 0.479  | 185.2           | 17 486                          | 38 593                          |      |  |  |
| 11 459                                                                                                                   | 34 570                          | 24.94            | 60.56            | 29.7             | 0.2165 | 0.5256 | 0.2578 | 129.8           | 21 505                          | -1 505c                         |      |  |  |
| 14 473                                                                                                                   | 34 575                          | 22.57            | 59.53            | 14.39            | 0.2339 | 0.6168 | 0.1491 | 115.6           | 24 523                          | -1 523c                         |      |  |  |
| 15 479                                                                                                                   | 36 580                          | 30.95            | 67.32            | 10.51            | 0.2844 | 0.6188 | 0.0966 | 105.9           | 27 537                          | -1 537c                         |      |  |  |
| 16 482                                                                                                                   | 36 585                          | 30.78            | 66.88            | 8.78             | 0.2891 | 0.6282 | 0.0825 | 104.5           | 27 539                          | -1 539c                         |      |  |  |
| 17 485                                                                                                                   | 38 590                          | 40.75            | 74.03            | 7.71             | 0.3326 | 0.6043 | 0.063  | 96.2            | 29 548                          | -1 548c                         |      |  |  |
| 17 486                                                                                                                   | 38 595                          | 40.71            | 73.78            | 7.15             | 0.3346 | 0.6064 | 0.0588 | 95.7            | 29 548                          | -1 548c                         |      |  |  |
| 17 487                                                                                                                   | 39 600                          | 45.97            | 76.9             | 6.74             | 0.3546 | 0.5932 | 0.052  | 91.3            | 30 552                          | -1 552c                         |      |  |  |
| 17 488                                                                                                                   | 40 605                          | 51.25            | 79.78            | 6.45             | 0.3727 | 0.5802 | 0.0469 | 86.8            | 31 555                          | -1 555c                         |      |  |  |
| 17 489                                                                                                                   | 41 610                          | 56.44            | 82.4             | 6.23             | 0.389  | 0.5679 | 0.0429 | 82.4            | 31 557                          | -1 557c                         |      |  |  |
| 17 489                                                                                                                   | 43 615                          | 66.01            | 86.86            | 6.07             | 0.4153 | 0.5464 | 0.0382 | 74.1            | 32 562                          | -1 562c                         |      |  |  |
| 17 489                                                                                                                   | 44 620                          | 70.18            | 88.63            | 5.95             | 0.4259 | 0.5379 | 0.0361 | 70.4            | 32 563                          | -1 563c                         |      |  |  |
| 17 490                                                                                                                   | 45 625                          | 73.82            | 90.12            | 5.86             | 0.4347 | 0.5307 | 0.0345 | 67.2            | 33 565                          | -1 565c                         |      |  |  |
| 18 490                                                                                                                   | 46 630                          | 76.95            | 91.35            | 5.8              | 0.4419 | 0.5246 | 0.0333 | 64.5            | 33 566                          | -1 566c                         |      |  |  |
| 18 490                                                                                                                   | 47 635                          | 79.58            | 92.36            | 5.76             | 0.4478 | 0.5197 | 0.0324 | 62.3            | 33 567                          | -1 567c                         |      |  |  |
| 18 490                                                                                                                   | 48 640                          | 81.75            | 93.18            | 5.72             | 0.4525 | 0.5157 | 0.0316 | 60.4            | 33 567                          | 6 432                           |      |  |  |
| 18 490                                                                                                                   | 48 645                          | 81.75            | 93.16            | 5.7              | 0.4526 | 0.5158 | 0.0315 | 60.4            | 33 567                          | 6 432                           |      |  |  |
| 18 490                                                                                                                   | 50 650                          | 84.85            | 94.32            | 5.68             | 0.459  | 0.5102 | 0.0307 | 57.8            | 33 568                          | 9 448                           |      |  |  |
| 18 490                                                                                                                   | 51 655                          | 85.91            | 94.7             | 5.66             | 0.4611 | 0.5083 | 0.0304 | 56.9            | 33 569                          | 10 452                          |      |  |  |
| 18 490                                                                                                                   | 52 660                          | 86.7             | 94.98            | 5.65             | 0.4627 | 0.507  | 0.0301 | 56.3            | 33 569                          | 10 454                          |      |  |  |
| 18 490                                                                                                                   | 53 665                          | 87.28            | 95.19            | 5.64             | 0.4639 | 0.506  | 0.03   | 55.8            | 33 569                          | 11 455                          |      |  |  |
| 18 490                                                                                                                   | 54 670                          | 87.7             | 95.34            | 5.64             | 0.4648 | 0.5052 | 0.0299 | 55.5            | 33 569                          | 11 456                          |      |  |  |
| 18 490                                                                                                                   | 55 675                          | 88.01            | 95.45            | 5.63             | 0.4654 | 0.5047 | 0.0298 | 55.2            | 33 569                          | 11 457                          |      |  |  |
| 18 490                                                                                                                   | 55 680                          | 88.01            | 95.45            | 5.63             | 0.4654 | 0.5047 | 0.0297 | 55.2            | 33 569                          | 11 457                          |      |  |  |
| 18 490                                                                                                                   | 57 685                          | 88.4             | 95.59            | 5.62             | 0.4662 | 0.5041 | 0.0296 | 54.9            | 33 569                          | 11 458                          |      |  |  |
| 18 490                                                                                                                   | 58 690                          | 88.51            | 95.63            | 5.62             | 0.4664 | 0.5039 | 0.0296 | 54.8            | 33 569                          | 11 458                          |      |  |  |
| 380                                                                                                                      | 770                             | 102.06           | 100.0            | 81.06            | 0.3604 | 0.3531 | 0.2863 | 0.0             |                                 |                                 |      |  |  |

see similar files: <http://130.149.60.45/~farbmetrik/SN63/SN63.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-SN63/SN63L0NP.PDF /.PS  
application for measurement of display output

TUB material: code=rha4ta

| CIE data for all optimal colours of maximum (m) $C_{AB}$ for Q00 and $Y_w=100$ , $Y_m=520\_770$ |                  |           |           |           |        |        |        |          |                  |                  |      |  |  |
|-------------------------------------------------------------------------------------------------|------------------|-----------|-----------|-----------|--------|--------|--------|----------|------------------|------------------|------|--|--|
| $i_1, \lambda_1$                                                                                | $i_2, \lambda_2$ | $X_{100}$ | $Y_{100}$ | $Z_{100}$ | x      | y      | z      | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ | Code |  |  |
| 1 405                                                                                           | 32 562           | 34.3      | 57.89     | 116.76    | 0.1641 | 0.277  | 0.5587 | 194.9    | 16 482           | 38 590           | Cm   |  |  |
| 2 410                                                                                           | 32 562           | 33.97     | 57.91     | 115.05    | 0.1641 | 0.2798 | 0.5559 | 193.8    | 16 482           | 38 591           |      |  |  |
| 3 415                                                                                           | 32 562           | 33.38     | 57.95     | 112.07    | 0.1641 | 0.2849 | 0.5509 | 191.9    | 16 483           | 38 593           |      |  |  |
| 4 420                                                                                           | 32 562           | 32.44     | 58.02     | 107.16    | 0.1641 | 0.2936 | 0.5422 | 188.6    | 16 484           | 39 596           |      |  |  |
| 5 425                                                                                           | 32 562           | 31.1      | 58.11     | 100.15    | 0.1642 | 0.3068 | 0.5288 | 183.4    | 17 485           | 40 604           |      |  |  |
| 6 430                                                                                           | 32 562           | 29.48     | 58.23     | 91.51     | 0.1645 | 0.3249 | 0.5105 | 176.2    | 17 486           | 45 626           |      |  |  |
| 7 435                                                                                           | 32 562           | 27.73     | 58.38     | 81.9      | 0.165  | 0.3474 | 0.4874 | 167.4    | 17 488           | -1 488c          |      |  |  |
| 8 440                                                                                           | 32 563           | 26.0      | 58.57     | 71.91     | 0.1661 | 0.3743 | 0.4595 | 157.6    | 18 490           | -1 490c          |      |  |  |
| 9 445                                                                                           | 32 563           | 24.39     | 58.84     | 61.92     | 0.168  | 0.4053 | 0.4265 | 147.4    | 18 493           | -1 493c          |      |  |  |
| 10 450                                                                                          | 32 564           | 22.97     | 59.19     | 52.11     | 0.171  | 0.4408 | 0.388  | 137.7    | 19 497           | -1 497c          |      |  |  |
| 10 455                                                                                          | 33 565           | 23.51     | 59.93     | 52.11     | 0.1734 | 0.4421 | 0.3844 | 136.9    | 19 497           | -1 497c          |      |  |  |
| 11 460                                                                                          | 33 566           | 22.58     | 60.58     | 42.66     | 0.1795 | 0.4814 | 0.339  | 127.9    | 20 502           | -1 502c          |      |  |  |
| 12 465                                                                                          | 33 568           | 22.28     | 61.7      | 33.88     | 0.189  | 0.5234 | 0.2874 | 119.9    | 21 508           | -1 508c          |      |  |  |
| 14 470                                                                                          | 34 570           | 22.03     | 62.97     | 19.9      | 0.21   | 0.6002 | 0.1896 | 109.1    | 24 522           | -1 522c          |      |  |  |
| 15 475                                                                                          | 35 575           | 24.72     | 65.9      | 14.92     | 0.2342 | 0.6243 | 0.1413 | 103.6    | 26 530           | -1 530c          | Gm   |  |  |
| 16 480                                                                                          | 36 582           | 30.96     | 71.11     | 11.12     | 0.2735 | 0.6281 | 0.0982 | 96.4     | 27 539           | -1 539c          |      |  |  |
| 17 485                                                                                          | 40 602           | 48.5      | 81.95     | 8.28      | 0.3496 | 0.5907 | 0.0596 | 81.5     | 30 552           | -1 552c          |      |  |  |
| 17 490                                                                                          | -1 489c          | 78.03     | 94.93     | 8.28      | 0.4305 | 0.5237 | 0.0457 | 59.7     | 33 565           | 11 455           |      |  |  |
| 18 495                                                                                          | -1 494c          | 77.91     | 93.71     | 6.13      | 0.4382 | 0.5271 | 0.0345 | 58.5     | 33 565           | 11 458           |      |  |  |
| 20 500                                                                                          | -1 500c          | 77.84     | 90.31     | 3.26      | 0.4541 | 0.5268 | 0.019  | 55.5     | 33 567           | 12 463           |      |  |  |
| 21 505                                                                                          | -1 505c          | 77.81     | 87.98     | 2.31      | 0.4628 | 0.5233 | 0.0137 | 53.4     | 33 568           | 13 465           |      |  |  |
| 21 510                                                                                          | -1 509c          | 77.81     | 87.98     | 2.31      | 0.4628 | 0.5233 | 0.0137 | 53.4     | 33 568           | 13 465           |      |  |  |
| 22 515                                                                                          | -1 514c          | 77.71     | 85.16     | 1.62      | 0.4724 | 0.5176 | 0.0098 | 51.0     | 33 569           | 13 468           |      |  |  |
| 23 520                                                                                          | -1 519c          | 77.48     | 81.84     | 1.14      | 0.4828 | 0.51   | 0.0071 | 48.1     | 34 571           | 14 470           | Ym   |  |  |
| 25 525                                                                                          | -1 525c          | 76.37     | 73.99     | 0.56      | 0.5059 | 0.4902 | 0.0037 | 41.5     | 34 574           | 14 474           |      |  |  |
| 26 530                                                                                          | -1 530c          | 75.41     | 69.63     | 0.38      | 0.5185 | 0.4788 | 0.0026 | 37.9     | 35 576           | 15 475           |      |  |  |
| 27 535                                                                                          | -1 535c          | 74.15     | 65.08     | 0.26      | 0.5315 | 0.4665 | 0.0018 | 34.1     | 35 578           | 15 477           |      |  |  |
| 27 540                                                                                          | -1 539c          | 74.15     | 65.08     | 0.26      | 0.5315 | 0.4665 | 0.0018 | 34.1     | 35 578           | 15 477           |      |  |  |
| 28 545                                                                                          | -1 544c          | 72.59     | 60.41     | 0.18      | 0.545  | 0.4536 | 0.0013 | 30.3     | 36 580           | 15 478           |      |  |  |
| 29 550                                                                                          | -1 549c          | 70.69     | 55.69     | 0.13      | 0.5587 | 0.4402 | 0.001  | 26.5     | 36 582           | 15 479           |      |  |  |
| 30 555                                                                                          | -1 554c          | 68.45     | 50.96     | 0.09      | 0.5727 | 0.4264 | 0.0007 | 22.7     | 36 584           | 16 480           |      |  |  |
| 31 560                                                                                          | -1 559c          | 65.85     | 46.27     | 0.07      | 0.5869 | 0.4124 | 0.0006 | 19.2     | 37 587           | 16 481           |      |  |  |
| 32 565                                                                                          | 10 453           | 76.52     | 42.62     | 68.67     | 0.4074 | 0.2269 | 0.3656 | 318.0    | -1 497c          | 19 497           |      |  |  |
| 33 570                                                                                          | 13 468           | 77.55     | 39.37     | 94.72     | 0.3664 | 0.186  | 0.4475 | 293.9    | -1 515c          | 23 515           |      |  |  |
| 34 575                                                                                          | 14 475           | 74.88     | 35.81     | 101.84    | 0.3523 | 0.1685 | 0.4791 | 286.4    | -1 526c          | 25 526           |      |  |  |
| 36 580                                                                                          | 15 478           | 67.0      | 28.5      | 104.92    | 0.3342 | 0.1422 | 0.5234 | 278.3    | -1 537c          | 27 537           |      |  |  |
| 37 585                                                                                          | 16 480           | 62.74     | 25.38     | 106.77    | 0.3219 | 0.1302 | 0.5478 | 274.0    | -1 542c          | 28 542           |      |  |  |
| 38 590                                                                                          | 16 482           | 58.25     | 22.48     | 107.87    | 0.3088 | 0.1192 | 0.5719 | 269.9    | -1 546c          | 29 546           |      |  |  |
| 39 595                                                                                          | 16 483           | 53.7      | 19.8      | 108.65    | 0.2948 | 0.1087 | 0.5964 | 266.0    | -1 549c          | 29 549           |      |  |  |
| 40 600                                                                                          | 16 484           | 49.19     | 17.37     | 109.23    | 0.2798 | 0.0988 | 0.6213 | 262.3    | -1 552c          | 30 552           |      |  |  |
| 40 605                                                                                          | 17 485           | 49.23     | 17.5      | 109.6     | 0.2791 | 0.0992 | 0.6215 | 262.1    | -1 552c          | 30 552           |      |  |  |
| 42 610                                                                                          | 17 485           | 40.74     | 13.31     | 109.83    | 0.2485 | 0.0812 | 0.6701 | 255.5    | -1 556c          | 31 556           |      |  |  |
| 42 615                                                                                          | 17 486           | 40.75     | 13.39     | 110.01    | 0.2482 | 0.0815 | 0.6701 | 255.4    | -1 556c          | 31 556           |      |  |  |
| 43 620                                                                                          | 17 486           | 36.99     | 11.72     | 110.14    | 0.2328 | 0.0737 | 0.6933 | 252.5    | -1 558c          | 31 558           |      |  |  |
| 44 625                                                                                          | 17 486           | 33.66     | 10.3      | 110.24    | 0.2182 | 0.0668 | 0.7148 | 249.9    | -1 560c          | 32 560           |      |  |  |
| 46 630                                                                                          | 17 486           | 28.38     | 8.15      | 110.32    | 0.1932 | 0.0555 | 0.7512 | 246.0    | 3 417            | 32 562           |      |  |  |
| 47 635                                                                                          | 17 486           | 26.39     | 7.39      | 110.39    | 0.183  | 0.0512 | 0.7656 | 244.5    | 7 435            | 32 562           |      |  |  |
| 48 640                                                                                          | 17 487           | 24.78     | 6.79      | 110.44    | 0.1745 | 0.0478 | 0.7776 | 243.8    | 8 443            | 32 563           |      |  |  |
| 49 645                                                                                          | 17 487           | 23.51     | 6.32      | 110.48    | 0.1675 | 0.045  | 0.7873 | 242.4    | 9 447            | 32 564           |      |  |  |
| 50 650                                                                                          | 17 487           | 22.53     | 5.96      | 110.51    | 0.162  | 0.0429 | 0.7949 | 241.6    | 9 449            | 32 564           |      |  |  |
| 50 655                                                                                          | 17 487           | 22.53     | 5.97      | 110.53    | 0.162  | 0.0429 | 0.7949 | 241.6    | 9 449            | 32 564           |      |  |  |
| 52 660                                                                                          | 17 487           | 21.24     | 5.5       | 110.54    | 0.1547 | 0.04   | 0.8051 | 240.7    | 10 452           | 32 564           |      |  |  |
| 53 665                                                                                          | 17 487           | 20.85     | 5.36      | 110.55    | 0.1524 | 0.0392 | 0.8083 | 240.4    | 10 453           | 33 565           |      |  |  |
| 54 670                                                                                          | 17 487           | 20.56     | 5.26      | 110.56    | 0.1507 | 0.0386 | 0.8105 | 240.2    | 10 454           | 33 565           |      |  |  |
| 55 675                                                                                          | 17 487           | 20.36     | 5.19      | 110.57    | 0.1495 | 0.0381 | 0.8122 | 240.1    | 10 454           | 33 565           |      |  |  |
| 55 680                                                                                          | 17 487           | 20.36     | 5.19      | 110.58    | 0.1495 | 0.0381 | 0.8122 | 240.1    | 10 454           | 33 565           |      |  |  |
| 56 685                                                                                          | 17 487           | 20.22     | 5.14      | 110.58    | 0.1487 | 0.0378 | 0.8134 | 240.0    | 10 454           | 33 565           |      |  |  |
| 58 690                                                                                          | 17 487           | 20.05     | 5.08      | 110.58    | 0.1477 | 0.0374 | 0.8147 | 239.8    | 11 455           | 33 565           |      |  |  |
| 380                                                                                             | 770              | 97.93     | 100.0     | 118.95    | 0.309  | 0.3155 | 0.3753 | 0.0      |                  |                  |      |  |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for Q00 and Y <sub>w</sub> =100, B <sub>m</sub> =380_520 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |     |  |  |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|-----|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                          | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Coc |  |  |
| 32 562                                                                                                                   | 1 405                           | 63.62            | 42.1             | 2.18             | 0.5895 | 0.3901 | 0.0202 | 14.8            | 38 590                          | 16 482                          | Rn  |  |  |
| 32 562                                                                                                                   | 2 410                           | 63.96            | 42.08            | 3.89             | 0.5817 | 0.3827 | 0.0354 | 13.8            | 38 591                          | 16 482                          |     |  |  |
| 32 562                                                                                                                   | 3 415                           | 64.54            | 42.04            | 6.87             | 0.5688 | 0.3705 | 0.0606 | 11.9            | 38 593                          | 16 483                          |     |  |  |
| 32 562                                                                                                                   | 4 420                           | 65.48            | 41.97            | 11.78            | 0.5491 | 0.3519 | 0.0988 | 8.6             | 39 596                          | 16 484                          |     |  |  |
| 32 562                                                                                                                   | 5 425                           | 66.83            | 41.88            | 18.79            | 0.5241 | 0.3284 | 0.1474 | 3.4             | 40 604                          | 17 485                          |     |  |  |
| 32 562                                                                                                                   | 6 430                           | 68.44            | 41.76            | 27.44            | 0.4972 | 0.3033 | 0.1993 | 356.2           | 45 626                          | 17 486                          |     |  |  |
| 32 562                                                                                                                   | 7 435                           | 70.19            | 41.61            | 37.05            | 0.4715 | 0.2795 | 0.2488 | 347.5           | -1 488c                         | 17 488                          |     |  |  |
| 32 563                                                                                                                   | 8 440                           | 71.93            | 41.42            | 47.04            | 0.4484 | 0.2582 | 0.2932 | 337.6           | -1 490c                         | 18 490                          |     |  |  |
| 32 563                                                                                                                   | 9 445                           | 73.53            | 41.15            | 57.03            | 0.4282 | 0.2396 | 0.3321 | 327.5           | -1 493c                         | 18 493                          |     |  |  |
| 32 564                                                                                                                   | 10 450                          | 74.95            | 40.8             | 66.84            | 0.4104 | 0.2234 | 0.366  | 317.7           | -1 497c                         | 19 497                          |     |  |  |
| 33 565                                                                                                                   | 10 455                          | 74.41            | 40.06            | 66.83            | 0.4104 | 0.2209 | 0.3686 | 317.0           | -1 497c                         | 19 497                          |     |  |  |
| 33 566                                                                                                                   | 11 460                          | 75.34            | 39.41            | 76.28            | 0.3943 | 0.2062 | 0.3993 | 308.0           | -1 502c                         | 20 502                          |     |  |  |
| 33 568                                                                                                                   | 12 465                          | 75.64            | 38.29            | 85.07            | 0.3801 | 0.1924 | 0.4274 | 300.0           | -1 508c                         | 21 508                          |     |  |  |
| 34 570                                                                                                                   | 14 470                          | 75.89            | 37.02            | 99.05            | 0.358  | 0.1746 | 0.4672 | 289.2           | -1 522c                         | 24 522                          |     |  |  |
| 35 575                                                                                                                   | 15 475                          | 73.2             | 34.09            | 104.03           | 0.3464 | 0.1613 | 0.4922 | 283.6           | -1 530c                         | 26 530                          | Mn  |  |  |
| 36 582                                                                                                                   | 16 480                          | 66.96            | 28.88            | 107.82           | 0.3287 | 0.1418 | 0.5293 | 276.5           | -1 539c                         | 27 539                          |     |  |  |
| 40 602                                                                                                                   | 17 485                          | 49.42            | 18.04            | 110.67           | 0.2774 | 0.1012 | 0.6212 | 261.6           | -1 552c                         | 30 552                          |     |  |  |
| -1 489c                                                                                                                  | 17 490                          | 19.89            | 5.06             | 110.66           | 0.1466 | 0.0373 | 0.8159 | 239.7           | 11 455                          | 33 565                          |     |  |  |
| -1 494c                                                                                                                  | 18 495                          | 20.01            | 6.28             | 112.81           | 0.1438 | 0.0451 | 0.8109 | 238.5           | 11 458                          | 33 565                          |     |  |  |
| -1 500c                                                                                                                  | 20 500                          | 20.08            | 9.68             | 115.69           | 0.138  | 0.0665 | 0.7953 | 235.5           | 12 463                          | 33 567                          |     |  |  |
| -1 505c                                                                                                                  | 21 505                          | 20.11            | 12.01            | 116.64           | 0.1352 | 0.0807 | 0.784  | 233.5           | 13 465                          | 33 568                          |     |  |  |
| -1 509c                                                                                                                  | 21 510                          | 20.11            | 12.01            | 116.64           | 0.1352 | 0.0807 | 0.784  | 233.5           | 13 465                          | 33 568                          |     |  |  |
| -1 514c                                                                                                                  | 22 515                          | 20.21            | 14.83            | 117.32           | 0.1326 | 0.0973 | 0.7699 | 231.0           | 13 468                          | 33 569                          |     |  |  |
| -1 519c                                                                                                                  | 23 520                          | 20.44            | 18.15            | 117.8            | 0.1307 | 0.116  | 0.7532 | 228.2           | 14 470                          | 34 571                          | Bn  |  |  |
| -1 525c                                                                                                                  | 25 525                          | 21.55            | 26.0             | 118.39           | 0.1299 | 0.1566 | 0.7134 | 221.5           | 14 474                          | 34 574                          |     |  |  |
| -1 530c                                                                                                                  | 26 530                          | 22.51            | 30.36            | 118.56           | 0.1313 | 0.177  | 0.6915 | 217.9           | 15 475                          | 35 576                          |     |  |  |
| -1 535c                                                                                                                  | 27 535                          | 23.77            | 34.91            | 118.69           | 0.134  | 0.1968 | 0.6691 | 214.1           | 15 477                          | 35 578                          |     |  |  |
| -1 539c                                                                                                                  | 27 540                          | 23.77            | 34.91            | 118.69           | 0.134  | 0.1968 | 0.6691 | 214.1           | 15 477                          | 35 578                          |     |  |  |
| -1 544c                                                                                                                  | 28 545                          | 25.34            | 39.58            | 118.77           | 0.1379 | 0.2154 | 0.6465 | 210.3           | 15 478                          | 36 580                          |     |  |  |
| -1 549c                                                                                                                  | 29 550                          | 27.23            | 44.3             | 118.82           | 0.143  | 0.2327 | 0.6241 | 206.5           | 15 479                          | 36 582                          |     |  |  |
| -1 554c                                                                                                                  | 30 555                          | 29.48            | 49.03            | 118.85           | 0.1493 | 0.2484 | 0.6021 | 202.8           | 16 480                          | 36 584                          |     |  |  |
| -1 559c                                                                                                                  | 31 560                          | 32.08            | 53.72            | 118.88           | 0.1567 | 0.2624 | 0.5807 | 199.2           | 16 481                          | 37 587                          |     |  |  |
| 10 453                                                                                                                   | 32 565                          | 21.41            | 57.37            | 50.27            | 0.1659 | 0.4445 | 0.3895 | 137.9           | 19 497                          | -1 497c                         |     |  |  |
| 13 468                                                                                                                   | 33 570                          | 20.37            | 60.62            | 24.22            | 0.1936 | 0.5761 | 0.2302 | 113.8           | 23 515                          | -1 515c                         |     |  |  |
| 14 475                                                                                                                   | 34 575                          | 23.05            | 64.18            | 17.1             | 0.2209 | 0.6151 | 0.1639 | 106.3           | 25 526                          | -1 526c                         |     |  |  |
| 15 478                                                                                                                   | 36 580                          | 30.93            | 71.49            | 14.03            | 0.2656 | 0.6139 | 0.1204 | 98.2            | 27 537                          | -1 537c                         |     |  |  |
| 16 480                                                                                                                   | 37 585                          | 35.18            | 74.61            | 12.17            | 0.2884 | 0.6117 | 0.0998 | 93.9            | 28 542                          | -1 542c                         |     |  |  |
| 16 482                                                                                                                   | 38 590                          | 39.67            | 77.51            | 11.07            | 0.3093 | 0.6043 | 0.0863 | 89.9            | 29 546                          | -1 546c                         |     |  |  |
| 16 483                                                                                                                   | 39 595                          | 44.22            | 80.19            | 10.3             | 0.3282 | 0.5952 | 0.0764 | 86.0            | 29 549                          | -1 549c                         |     |  |  |
| 16 484                                                                                                                   | 40 600                          | 48.73            | 82.62            | 9.72             | 0.3454 | 0.5856 | 0.0689 | 82.3            | 30 552                          | -1 552c                         |     |  |  |
| 17 485                                                                                                                   | 40 605                          | 48.7             | 82.49            | 9.35             | 0.3465 | 0.5869 | 0.0665 | 82.1            | 30 552                          | -1 552c                         |     |  |  |
| 17 485                                                                                                                   | 42 610                          | 57.19            | 86.68            | 9.11             | 0.3738 | 0.5666 | 0.0595 | 75.5            | 31 556                          | -1 556c                         |     |  |  |
| 17 486                                                                                                                   | 42 615                          | 57.17            | 86.6             | 8.93             | 0.3743 | 0.567  | 0.0585 | 75.4            | 31 556                          | -1 556c                         |     |  |  |
| 17 486                                                                                                                   | 43 620                          | 60.93            | 88.27            | 8.8              | 0.3856 | 0.5586 | 0.0557 | 72.4            | 31 558                          | -1 558c                         |     |  |  |
| 17 486                                                                                                                   | 44 625                          | 64.26            | 89.69            | 8.7              | 0.395  | 0.5513 | 0.0535 | 69.9            | 32 560                          | -1 560c                         |     |  |  |
| 17 486                                                                                                                   | 46 630                          | 69.54            | 91.84            | 8.62             | 0.409  | 0.5402 | 0.0507 | 65.9            | 32 562                          | 3 417                           |     |  |  |
| 17 486                                                                                                                   | 47 635                          | 71.53            | 92.6             | 8.55             | 0.4142 | 0.5362 | 0.0495 | 64.4            | 32 562                          | 7 435                           |     |  |  |
| 17 487                                                                                                                   | 48 640                          | 73.15            | 93.2             | 8.5              | 0.4183 | 0.533  | 0.0486 | 63.2            | 32 563                          | 8 443                           |     |  |  |
| 17 487                                                                                                                   | 49 645                          | 74.42            | 93.67            | 8.47             | 0.4214 | 0.5305 | 0.0479 | 62.3            | 32 564                          | 9 447                           |     |  |  |
| 17 487                                                                                                                   | 50 650                          | 75.4             | 94.03            | 8.44             | 0.4238 | 0.5286 | 0.0474 | 61.6            | 32 564                          | 9 449                           |     |  |  |
| 17 487                                                                                                                   | 50 655                          | 75.39            | 94.02            | 8.42             | 0.4239 | 0.5286 | 0.0473 | 61.6            | 32 564                          | 9 449                           |     |  |  |
| 17 487                                                                                                                   | 52 660                          | 76.68            | 94.49            | 8.4              | 0.427  | 0.5261 | 0.0468 | 60.7            | 32 564                          | 10 452                          |     |  |  |
| 17 487                                                                                                                   | 53 665                          | 77.08            | 94.63            | 8.39             | 0.4279 | 0.5254 | 0.0466 | 60.4            | 33 565                          | 10 453                          |     |  |  |
| 17 487                                                                                                                   | 54 670                          | 77.36            | 94.73            | 8.38             | 0.4286 | 0.5248 | 0.0464 | 60.2            | 33 565                          | 10 454                          |     |  |  |
| 17 487                                                                                                                   | 55 675                          | 77.56            | 94.8             | 8.37             | 0.4291 | 0.5245 | 0.0463 | 60.0            | 33 565                          | 10 454                          |     |  |  |
| 17 487                                                                                                                   | 55 680                          | 77.56            | 94.8             | 8.37             | 0.4291 | 0.5245 | 0.0463 | 60.0            | 33 565                          | 10 454                          |     |  |  |
| 17 487                                                                                                                   | 56 685                          | 77.71            | 94.85            | 8.36             | 0.4295 | 0.5242 | 0.0462 | 59.9            | 33 565                          | 10 454                          |     |  |  |
| 17 487                                                                                                                   | 58 690                          | 77.88            | 94.91            | 8.36             | 0.4299 | 0.5239 | 0.0461 | 59.8            | 33 565                          | 11 455                          |     |  |  |
| 380                                                                                                                      | 770                             | 97.93            | 100.0            | 118.95           | 0.309  | 0.3155 | 0.3753 | 0.0             |                                 |                                 |     |  |  |



see similar files: <http://130.149.60.45/~farbmetrik/SN63/SN63.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-SN63/SN63L0NP.PDF /.PS  
application for measurement of display output  
TUB material: code=rha4ta

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for D65 and Y <sub>w,10</sub> =100, Y <sub>m</sub> =520_770 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |      |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|------|--|--|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                             | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |  |  |
| 0 405                                                                                                                       | 31 556                          | 31.74            | 56.57            | 106.53           | 0.1629 | 0.2903 | 0.5467 | 195.0           | 15 476                          | 37 585                          | Cm   |  |  |  |  |
| 1 410                                                                                                                       | 31 556                          | 31.6             | 56.7             | 105.39           | 0.1631 | 0.2927 | 0.544  | 194.2           | 15 477                          | 37 586                          |      |  |  |  |  |
| 2 415                                                                                                                       | 31 556                          | 31.28            | 56.83            | 103.32           | 0.1634 | 0.2968 | 0.5396 | 192.7           | 15 477                          | 37 588                          |      |  |  |  |  |
| 4 420                                                                                                                       | 31 556                          | 29.82            | 56.88            | 95.61            | 0.1635 | 0.3119 | 0.5244 | 187.2           | 15 478                          | 38 594                          |      |  |  |  |  |
| 5 425                                                                                                                       | 31 557                          | 28.9             | 57.0             | 90.23            | 0.1641 | 0.3236 | 0.5122 | 182.8           | 15 479                          | 40 601                          |      |  |  |  |  |
| 5 430                                                                                                                       | 31 557                          | 29.09            | 57.27            | 90.23            | 0.1647 | 0.3242 | 0.5109 | 182.5           | 15 479                          | 40 602                          |      |  |  |  |  |
| 6 435                                                                                                                       | 31 557                          | 28.0             | 57.42            | 83.63            | 0.1656 | 0.3396 | 0.4947 | 176.6           | 16 480                          | 44 621                          |      |  |  |  |  |
| 8 440                                                                                                                       | 31 558                          | 24.88            | 57.24            | 66.2             | 0.1677 | 0.3859 | 0.4463 | 159.3           | 17 485                          | -1 485c                         |      |  |  |  |  |
| 9 445                                                                                                                       | 31 559                          | 23.39            | 57.36            | 56.34            | 0.1706 | 0.4183 | 0.4109 | 148.5           | 17 488                          | -1 488c                         |      |  |  |  |  |
| 10 450                                                                                                                      | 31 559                          | 22.06            | 57.53            | 46.52            | 0.1749 | 0.4561 | 0.3689 | 137.9           | 18 491                          | -1 491c                         |      |  |  |  |  |
| 11 455                                                                                                                      | 32 560                          | 21.18            | 57.9             | 37.3             | 0.182  | 0.4974 | 0.3204 | 128.3           | 19 497                          | -1 497c                         |      |  |  |  |  |
| 11 460                                                                                                                      | 32 562                          | 22.29            | 59.27            | 37.3             | 0.1875 | 0.4986 | 0.3137 | 126.9           | 19 498                          | -1 498c                         |      |  |  |  |  |
| 12 465                                                                                                                      | 33 565                          | 22.82            | 60.92            | 28.98            | 0.2025 | 0.5403 | 0.2571 | 117.9           | 21 506                          | -1 506c                         |      |  |  |  |  |
| 14 470                                                                                                                      | 34 570                          | 24.62            | 63.07            | 16.02            | 0.2373 | 0.6081 | 0.1544 | 105.3           | 24 522                          | -1 522c                         |      |  |  |  |  |
| 15 475                                                                                                                      | 35 579                          | 31.53            | 68.64            | 11.53            | 0.2822 | 0.6144 | 0.1032 | 96.3            | 26 533                          | -1 533c                         | Gm   |  |  |  |  |
| 16 480                                                                                                                      | 41 606                          | 54.03            | 81.94            | 8.23             | 0.3746 | 0.5682 | 0.0571 | 75.5            | 30 550                          | -1 550c                         |      |  |  |  |  |
| 16 485                                                                                                                      | -1 484c                         | 77.05            | 92.3             | 8.23             | 0.4339 | 0.5197 | 0.0463 | 57.5            | 32 560                          | 10 454                          |      |  |  |  |  |
| 18 490                                                                                                                      | -1 490c                         | 76.87            | 89.06            | 4.2              | 0.4518 | 0.5234 | 0.0247 | 54.3            | 32 562                          | 11 459                          |      |  |  |  |  |
| 19 495                                                                                                                      | -1 495c                         | 76.85            | 87.05            | 2.97             | 0.4605 | 0.5216 | 0.0178 | 52.4            | 32 563                          | 12 461                          |      |  |  |  |  |
| 19 500                                                                                                                      | -1 499c                         | 76.85            | 87.05            | 2.97             | 0.4605 | 0.5216 | 0.0178 | 52.4            | 32 563                          | 12 461                          |      |  |  |  |  |
| 20 505                                                                                                                      | -1 504c                         | 76.8             | 84.72            | 2.09             | 0.4694 | 0.5178 | 0.0127 | 50.1            | 32 564                          | 12 463                          |      |  |  |  |  |
| 22 510                                                                                                                      | -1 510c                         | 76.43            | 79.1             | 1.01             | 0.4882 | 0.5052 | 0.0064 | 44.9            | 33 566                          | 13 466                          |      |  |  |  |  |
| 23 515                                                                                                                      | -1 515c                         | 76.0             | 75.81            | 0.68             | 0.4983 | 0.4971 | 0.0045 | 41.9            | 33 568                          | 13 468                          | Ym   |  |  |  |  |
| 23 520                                                                                                                      | -1 519c                         | 76.0             | 75.81            | 0.68             | 0.4983 | 0.4971 | 0.0045 | 41.9            | 33 568                          | 13 468                          |      |  |  |  |  |
| 25 525                                                                                                                      | -1 525c                         | 74.39            | 68.3             | 0.28             | 0.5203 | 0.4777 | 0.0019 | 35.3            | 34 572                          | 14 471                          |      |  |  |  |  |
| 26 530                                                                                                                      | -1 530c                         | 73.15            | 64.17            | 0.16             | 0.532  | 0.4667 | 0.0012 | 31.8            | 34 573                          | 14 472                          |      |  |  |  |  |
| 26 535                                                                                                                      | -1 534c                         | 73.15            | 64.17            | 0.16             | 0.532  | 0.4667 | 0.0012 | 31.8            | 34 573                          | 14 472                          |      |  |  |  |  |
| 27 540                                                                                                                      | -1 539c                         | 71.61            | 59.9             | 0.08             | 0.5441 | 0.4551 | 0.0006 | 28.3            | 35 576                          | 14 473                          |      |  |  |  |  |
| 28 545                                                                                                                      | -1 544c                         | 69.75            | 55.54            | 0.04             | 0.5565 | 0.4431 | 0.0003 | 24.7            | 35 578                          | 14 474                          |      |  |  |  |  |
| 29 550                                                                                                                      | -1 549c                         | 67.56            | 51.12            | 0.01             | 0.5691 | 0.4306 | 0.0001 | 21.3            | 36 580                          | 15 475                          |      |  |  |  |  |
| 31 555                                                                                                                      | -1 555c                         | 62.15            | 42.37            | 0.0              | 0.5946 | 0.4053 | 0.0    | 14.8            | 37 586                          | 15 476                          |      |  |  |  |  |
| 32 560                                                                                                                      | 10 451                          | 70.49            | 40.04            | 58.45            | 0.4171 | 0.2369 | 0.3458 | 317.7           | -1 492c                         | 18 492                          |      |  |  |  |  |
| 33 565                                                                                                                      | 12 464                          | 70.94            | 37.71            | 81.36            | 0.3733 | 0.1984 | 0.4281 | 294.2           | -1 511c                         | 22 511                          |      |  |  |  |  |
| 33 570                                                                                                                      | 13 469                          | 71.99            | 38.65            | 88.28            | 0.3618 | 0.1942 | 0.4438 | 289.4           | -1 517c                         | 23 517                          |      |  |  |  |  |
| 35 575                                                                                                                      | 14 472                          | 64.59            | 31.8             | 91.74            | 0.3433 | 0.169  | 0.4876 | 280.3           | -1 529c                         | 25 529                          |      |  |  |  |  |
| 36 580                                                                                                                      | 15 475                          | 60.66            | 28.85            | 93.96            | 0.3305 | 0.1572 | 0.5121 | 275.5           | -1 534c                         | 26 534                          |      |  |  |  |  |
| 37 585                                                                                                                      | 15 476                          | 56.51            | 26.12            | 95.15            | 0.3178 | 0.1469 | 0.5351 | 271.3           | -1 538c                         | 27 538                          |      |  |  |  |  |
| 38 590                                                                                                                      | 15 477                          | 52.29            | 23.54            | 96.03            | 0.3042 | 0.1369 | 0.5587 | 267.2           | -1 542c                         | 28 542                          |      |  |  |  |  |
| 39 595                                                                                                                      | 15 478                          | 48.01            | 21.1             | 96.69            | 0.2895 | 0.1272 | 0.5831 | 263.2           | -1 545c                         | 29 545                          |      |  |  |  |  |
| 40 600                                                                                                                      | 15 479                          | 43.78            | 18.85            | 97.21            | 0.2738 | 0.1179 | 0.6081 | 259.4           | -1 548c                         | 29 548                          |      |  |  |  |  |
| 40 605                                                                                                                      | 15 479                          | 43.82            | 18.99            | 97.62            | 0.2731 | 0.1183 | 0.6084 | 259.2           | -1 548c                         | 29 548                          |      |  |  |  |  |
| 42 610                                                                                                                      | 16 480                          | 35.95            | 15.04            | 97.88            | 0.2415 | 0.101  | 0.6574 | 252.5           | -1 552c                         | 30 552                          |      |  |  |  |  |
| 43 615                                                                                                                      | 16 480                          | 32.54            | 13.5             | 98.06            | 0.2258 | 0.0937 | 0.6804 | 249.6           | -1 554c                         | 30 554                          |      |  |  |  |  |
| 44 620                                                                                                                      | 16 480                          | 29.54            | 12.2             | 98.2             | 0.2111 | 0.0871 | 0.7016 | 247.1           | -1 555c                         | 31 555                          |      |  |  |  |  |
| 45 625                                                                                                                      | 16 481                          | 27.0             | 11.12            | 98.3             | 0.1979 | 0.0815 | 0.7205 | 245.1           | 3 418                           | 31 556                          |      |  |  |  |  |
| 46 630                                                                                                                      | 16 481                          | 24.89            | 10.25            | 98.39            | 0.1864 | 0.0767 | 0.7368 | 243.3           | 6 433                           | 31 557                          |      |  |  |  |  |
| 47 635                                                                                                                      | 16 481                          | 23.15            | 9.55             | 98.47            | 0.1765 | 0.0728 | 0.7506 | 242.0           | 8 441                           | 31 558                          |      |  |  |  |  |
| 48 640                                                                                                                      | 16 481                          | 21.78            | 9.02             | 98.54            | 0.1683 | 0.0697 | 0.7618 | 240.9           | 9 445                           | 31 559                          |      |  |  |  |  |
| 48 645                                                                                                                      | 16 481                          | 21.78            | 9.05             | 98.6             | 0.1682 | 0.0699 | 0.7617 | 240.8           | 9 445                           | 31 559                          |      |  |  |  |  |
| 49 650                                                                                                                      | 16 481                          | 20.71            | 8.63             | 98.63            | 0.1618 | 0.0674 | 0.7706 | 240.0           | 9 448                           | 31 559                          |      |  |  |  |  |
| 51 655                                                                                                                      | 16 481                          | 19.29            | 8.07             | 98.65            | 0.153  | 0.0641 | 0.7828 | 238.9           | 10 451                          | 32 560                          |      |  |  |  |  |
| 52 660                                                                                                                      | 16 481                          | 18.83            | 7.9              | 98.66            | 0.1501 | 0.063  | 0.7867 | 238.6           | 10 452                          | 32 560                          |      |  |  |  |  |
| 52 665                                                                                                                      | 16 481                          | 18.83            | 7.91             | 98.68            | 0.1501 | 0.063  | 0.7867 | 238.5           | 10 452                          | 32 560                          |      |  |  |  |  |
| 53 670                                                                                                                      | 16 481                          | 18.49            | 7.78             | 98.69            | 0.1479 | 0.0622 | 0.7897 | 238.3           | 10 452                          | 32 560                          |      |  |  |  |  |
| 55 675                                                                                                                      | 16 481                          | 18.08            | 7.62             | 98.69            | 0.1453 | 0.0613 | 0.7933 | 238.0           | 10 453                          | 32 560                          |      |  |  |  |  |
| 56 680                                                                                                                      | 16 481                          | 17.96            | 7.58             | 98.69            | 0.1446 | 0.061  | 0.7943 | 237.9           | 10 453                          | 32 560                          |      |  |  |  |  |
| 57 689                                                                                                                      | 16 481                          | 17.89            | 7.55             | 98.7             | 0.1441 | 0.0608 | 0.795  | 237.8           | 10 453                          | 32 560                          |      |  |  |  |  |
| 58 690                                                                                                                      | 16 481                          | 17.84            | 7.53             | 98.7             | 0.1437 | 0.0607 | 0.7954 | 237.8           | 10 453                          | 32 560                          |      |  |  |  |  |
| 380                                                                                                                         | 770                             | 94.81            | 100.0            | 107.33           | 0.3137 | 0.3309 | 0.3552 | 0.0             |                                 |                                 |      |  |  |  |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for D65 and Y <sub>w,10</sub> =100, B <sub>m</sub> =380_520 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |      |    |  |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|------|----|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                             | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |    |  |
| 31 556                                                                                                                      | 0 405                           | 63.06            | 43.42            | 0.8              | 0.5877 | 0.4047 | 0.0074 | 15.0            | 37 585                          | 15 476                          |      | Rm |  |
| 31 556                                                                                                                      | 1 410                           | 63.2             | 43.29            | 1.94             | 0.5828 | 0.3992 | 0.0178 | 14.2            | 37 586                          | 15 477                          |      |    |  |
| 31 556                                                                                                                      | 2 415                           | 63.52            | 43.16            | 4.01             | 0.5738 | 0.3899 | 0.0362 | 12.7            | 37 588                          | 15 477                          |      |    |  |
| 31 556                                                                                                                      | 4 420                           | 64.98            | 43.11            | 11.71            | 0.5423 | 0.3598 | 0.0977 | 7.2             | 38 594                          | 15 478                          |      |    |  |
| 31 557                                                                                                                      | 5 425                           | 65.9             | 42.99            | 17.09            | 0.523  | 0.3412 | 0.1357 | 2.8             | 40 601                          | 15 479                          |      |    |  |
| 31 557                                                                                                                      | 5 430                           | 65.71            | 42.72            | 17.09            | 0.5234 | 0.3403 | 0.1362 | 2.5             | 40 602                          | 15 479                          |      |    |  |
| 31 557                                                                                                                      | 6 435                           | 66.81            | 42.57            | 23.7             | 0.5019 | 0.3199 | 0.178  | 356.6           | 44 621                          | 16 480                          |      |    |  |
| 31 558                                                                                                                      | 8 440                           | 69.92            | 42.75            | 41.12            | 0.4546 | 0.2779 | 0.2674 | 339.3           | -1 485c                         | 17 485                          |      |    |  |
| 31 559                                                                                                                      | 9 445                           | 71.41            | 42.63            | 50.98            | 0.4327 | 0.2583 | 0.3089 | 328.6           | -1 488c                         | 17 488                          |      |    |  |
| 31 559                                                                                                                      | 10 450                          | 72.75            | 42.46            | 60.8             | 0.4132 | 0.2412 | 0.3454 | 317.9           | -1 491c                         | 18 491                          |      |    |  |
| 32 560                                                                                                                      | 11 455                          | 73.62            | 42.09            | 70.03            | 0.3963 | 0.2266 | 0.377  | 308.3           | -1 497c                         | 19 497                          |      |    |  |
| 32 562                                                                                                                      | 11 460                          | 72.51            | 40.72            | 70.03            | 0.3956 | 0.2222 | 0.3821 | 307.0           | -1 498c                         | 19 498                          |      |    |  |
| 33 565                                                                                                                      | 12 465                          | 71.98            | 39.07            | 78.34            | 0.38   | 0.2063 | 0.4136 | 298.0           | -1 506c                         | 21 506                          |      |    |  |
| 34 570                                                                                                                      | 14 470                          | 70.19            | 36.92            | 91.31            | 0.3537 | 0.186  | 0.4601 | 285.4           | -1 522c                         | 24 522                          |      |    |  |
| 35 579                                                                                                                      | 15 475                          | 63.28            | 31.35            | 95.79            | 0.3323 | 0.1646 | 0.503  | 276.3           | -1 533c                         | 26 533                          |      | Mn |  |
| 41 606                                                                                                                      | 16 480                          | 40.77            | 18.05            | 99.09            | 0.2581 | 0.1143 | 0.6275 | 255.6           | -1 550c                         | 30 550                          |      |    |  |
| -1 484c                                                                                                                     | 16 485                          | 17.75            | 7.69             | 99.09            | 0.1425 | 0.0618 | 0.7956 | 237.5           | 10 454                          | 32 560                          |      |    |  |
| -1 490c                                                                                                                     | 18 490                          | 17.94            | 10.93            | 103.13           | 0.1359 | 0.0828 | 0.7812 | 234.3           | 11 459                          | 32 562                          |      |    |  |
| -1 495c                                                                                                                     | 19 495                          | 17.96            | 12.94            | 104.35           | 0.1327 | 0.0957 | 0.7714 | 232.4           | 12 461                          | 32 563                          |      |    |  |
| -1 499c                                                                                                                     | 19 500                          | 17.96            | 12.94            | 104.35           | 0.1327 | 0.0957 | 0.7714 | 232.4           | 12 461                          | 32 563                          |      |    |  |
| -1 504c                                                                                                                     | 20 505                          | 18.0             | 15.27            | 105.24           | 0.1299 | 0.1102 | 0.7597 | 230.2           | 12 463                          | 32 564                          |      |    |  |
| -1 510c                                                                                                                     | 22 510                          | 18.38            | 20.89            | 106.32           | 0.1262 | 0.1435 | 0.7302 | 224.9           | 13 466                          | 33 566                          |      |    |  |
| -1 515c                                                                                                                     | 23 515                          | 18.8             | 24.18            | 106.64           | 0.1256 | 0.1616 | 0.7126 | 222.0           | 13 468                          | 33 568                          |      |    |  |
| -1 519c                                                                                                                     | 23 520                          | 18.8             | 24.18            | 106.64           | 0.1256 | 0.1616 | 0.7126 | 222.0           | 13 468                          | 33 568                          |      | Bm |  |
| -1 525c                                                                                                                     | 25 525                          | 20.41            | 31.69            | 107.05           | 0.1282 | 0.1991 | 0.6726 | 215.4           | 14 471                          | 34 572                          |      |    |  |
| -1 530c                                                                                                                     | 26 530                          | 21.65            | 35.82            | 107.16           | 0.1315 | 0.2175 | 0.6508 | 211.8           | 14 472                          | 34 573                          |      |    |  |
| -1 534c                                                                                                                     | 26 535                          | 21.65            | 35.82            | 107.16           | 0.1315 | 0.2175 | 0.6508 | 211.8           | 14 472                          | 34 573                          |      |    |  |
| -1 539c                                                                                                                     | 27 540                          | 23.19            | 40.09            | 107.24           | 0.136  | 0.2351 | 0.6288 | 208.3           | 14 473                          | 35 576                          |      |    |  |
| -1 544c                                                                                                                     | 28 545                          | 25.05            | 44.45            | 107.29           | 0.1417 | 0.2514 | 0.6068 | 204.8           | 14 474                          | 35 578                          |      |    |  |
| -1 549c                                                                                                                     | 29 550                          | 27.25            | 48.87            | 107.32           | 0.1485 | 0.2664 | 0.585  | 201.3           | 15 475                          | 36 580                          |      |    |  |
| -1 555c                                                                                                                     | 31 555                          | 32.65            | 57.62            | 107.33           | 0.1652 | 0.2916 | 0.5431 | 194.8           | 15 476                          | 37 586                          |      |    |  |
| 10 451                                                                                                                      | 32 560                          | 24.31            | 59.95            | 48.88            | 0.1826 | 0.4502 | 0.367  | 137.6           | 18 492                          | -1 492c                         |      |    |  |
| 12 464                                                                                                                      | 33 565                          | 23.86            | 62.28            | 25.97            | 0.2128 | 0.5555 | 0.2316 | 114.1           | 22 511                          | -1 511c                         |      |    |  |
| 13 469                                                                                                                      | 33 570                          | 22.82            | 61.34            | 19.04            | 0.2211 | 0.5943 | 0.1845 | 109.3           | 23 517                          | -1 517c                         |      |    |  |
| 14 472                                                                                                                      | 35 575                          | 30.21            | 68.19            | 15.59            | 0.265  | 0.5982 | 0.1367 | 100.3           | 25 529                          | -1 529c                         |      |    |  |
| 15 475                                                                                                                      | 36 580                          | 34.15            | 71.14            | 13.36            | 0.2878 | 0.5995 | 0.1126 | 95.5            | 26 534                          | -1 534c                         |      |    |  |
| 15 476                                                                                                                      | 37 585                          | 38.29            | 73.87            | 12.18            | 0.3079 | 0.594  | 0.0979 | 91.2            | 27 538                          | -1 538c                         |      |    |  |
| 15 477                                                                                                                      | 38 590                          | 42.51            | 76.45            | 11.3             | 0.3263 | 0.5868 | 0.0867 | 87.1            | 28 542                          | -1 542c                         |      |    |  |
| 15 478                                                                                                                      | 39 595                          | 46.8             | 78.89            | 10.63            | 0.3433 | 0.5786 | 0.078  | 83.1            | 29 545                          | -1 545c                         |      |    |  |
| 15 479                                                                                                                      | 40 600                          | 51.03            | 81.14            | 10.11            | 0.3586 | 0.5702 | 0.071  | 79.3            | 29 548                          | -1 548c                         |      |    |  |
| 15 479                                                                                                                      | 40 605                          | 50.98            | 81.0             | 9.7              | 0.3598 | 0.5716 | 0.0684 | 79.1            | 29 548                          | -1 548c                         |      |    |  |
| 16 480                                                                                                                      | 42 610                          | 58.85            | 84.95            | 9.44             | 0.384  | 0.5543 | 0.0616 | 72.5            | 30 552                          | -1 552c                         |      |    |  |
| 16 480                                                                                                                      | 43 615                          | 62.27            | 86.49            | 9.26             | 0.394  | 0.5473 | 0.0586 | 69.6            | 30 554                          | -1 554c                         |      |    |  |
| 16 480                                                                                                                      | 44 620                          | 65.26            | 87.79            | 9.13             | 0.4023 | 0.5413 | 0.0563 | 67.1            | 31 555                          | -1 555c                         |      |    |  |
| 16 481                                                                                                                      | 45 625                          | 67.8             | 88.87            | 9.03             | 0.4091 | 0.5363 | 0.0545 | 65.0            | 31 556                          | 3 418                           |      |    |  |
| 16 481                                                                                                                      | 46 630                          | 69.92            | 89.74            | 8.93             | 0.4146 | 0.5322 | 0.053  | 63.3            | 31 557                          | 6 433                           |      |    |  |
| 16 481                                                                                                                      | 47 635                          | 71.65            | 90.44            | 8.85             | 0.4191 | 0.529  | 0.0518 | 61.9            | 31 558                          | 8 441                           |      |    |  |
| 16 481                                                                                                                      | 48 640                          | 73.03            | 90.97            | 8.78             | 0.4226 | 0.5264 | 0.0508 | 60.8            | 31 559                          | 9 445                           |      |    |  |
| 16 481                                                                                                                      | 48 645                          | 73.02            | 90.94            | 8.73             | 0.4228 | 0.5265 | 0.0505 | 60.8            | 31 559                          | 9 445                           |      |    |  |
| 16 481                                                                                                                      | 49 650                          | 74.09            | 91.36            | 8.7              | 0.4254 | 0.5245 | 0.0499 | 60.0            | 31 559                          | 9 448                           |      |    |  |
| 16 481                                                                                                                      | 51 655                          | 75.52            | 91.92            | 8.68             | 0.4287 | 0.5219 | 0.0493 | 58.9            | 32 560                          | 10 451                          |      |    |  |
| 16 481                                                                                                                      | 52 660                          | 75.97            | 92.09            | 8.66             | 0.4298 | 0.521  | 0.049  | 58.5            | 32 560                          | 10 452                          |      |    |  |
| 16 481                                                                                                                      | 52 665                          | 75.97            | 92.08            | 8.65             | 0.4299 | 0.521  | 0.0489 | 58.5            | 32 560                          | 10 452                          |      |    |  |
| 16 481                                                                                                                      | 53 670                          | 76.31            | 92.21            | 8.64             | 0.4307 | 0.5204 | 0.0487 | 58.2            | 32 560                          | 10 452                          |      |    |  |
| 16 481                                                                                                                      | 55 675                          | 76.73            | 92.37            | 8.63             | 0.4316 | 0.5197 | 0.0485 | 57.9            | 32 560                          | 10 453                          |      |    |  |
| 16 481                                                                                                                      | 56 680                          | 76.84            | 92.41            | 8.63             | 0.4319 | 0.5194 | 0.0485 | 57.8            | 32 560                          | 10 453                          |      |    |  |
| 16 481                                                                                                                      | 57 689                          | 76.92            | 92.44            | 8.63             | 0.4321 | 0.5193 | 0.0484 | 57.8            | 32 560                          | 10 453                          |      |    |  |
| 16 481                                                                                                                      | 58 690                          | 76.97            | 92.46            | 8.63             | 0.4322 | 0.5192 | 0.0484 | 57.8            | 32 560                          | 10 453                          |      |    |  |
| 380                                                                                                                         | 770                             | 94.81            | 100.0            | 107.33           | 0.3137 | 0.3309 | 0.3552 | 0.0             |                                 |                                 |      |    |  |

see similar files: <http://130.149.60.45/~farbmetrik/SN63/SN63L0NP.PDF> / .PS  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-SN63/SN63L0NP.PDF /.PS  
application for measurement of display output

TUB material: code=rha4ta

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for D50 and Y <sub>w,10</sub> =100, Y <sub>m</sub> =520_770 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |      |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|------|--|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                             | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |  |
| 1 405                                                                                                                       | 31 559                          | 29.04            | 55.95            | 80.21            | 0.1757 | 0.3387 | 0.4855 | 186.9           | 15 479                          | 37 589                          | Cm   |  |  |  |
| 2 410                                                                                                                       | 31 560                          | 28.83            | 56.03            | 78.88            | 0.176  | 0.3421 | 0.4817 | 185.7           | 16 480                          | 38 590                          |      |  |  |  |
| 3 415                                                                                                                       | 32 560                          | 28.48            | 56.11            | 76.77            | 0.1765 | 0.3477 | 0.4757 | 183.9           | 16 480                          | 38 592                          |      |  |  |  |
| 4 420                                                                                                                       | 32 560                          | 27.99            | 56.2             | 73.83            | 0.1771 | 0.3556 | 0.4672 | 181.3           | 16 481                          | 39 595                          |      |  |  |  |
| 5 425                                                                                                                       | 32 560                          | 27.4             | 56.29            | 70.2             | 0.178  | 0.3657 | 0.4561 | 177.8           | 16 482                          | 40 601                          |      |  |  |  |
| 5 430                                                                                                                       | 32 560                          | 27.55            | 56.48            | 70.2             | 0.1786 | 0.3662 | 0.4551 | 177.7           | 16 482                          | 40 601                          |      |  |  |  |
| 7 435                                                                                                                       | 32 561                          | 25.67            | 56.42            | 59.78            | 0.1809 | 0.3976 | 0.4213 | 167.1           | 16 484                          | 58 693                          |      |  |  |  |
| 7 440                                                                                                                       | 32 561                          | 25.9             | 56.71            | 59.78            | 0.1819 | 0.3982 | 0.4198 | 166.8           | 16 484                          | -1 484c                         |      |  |  |  |
| 9 445                                                                                                                       | 32 561                          | 23.5             | 56.55            | 45.54            | 0.1871 | 0.4502 | 0.3626 | 150.5           | 17 489                          | -1 489c                         |      |  |  |  |
| 10 450                                                                                                                      | 32 562                          | 22.51            | 56.65            | 38.02            | 0.1921 | 0.4834 | 0.3244 | 141.4           | 18 493                          | -1 493c                         |      |  |  |  |
| 10 455                                                                                                                      | 32 563                          | 23.1             | 57.39            | 38.02            | 0.1949 | 0.4842 | 0.3207 | 140.7           | 18 493                          | -1 493c                         |      |  |  |  |
| 12 460                                                                                                                      | 32 564                          | 21.57            | 57.41            | 24.27            | 0.2089 | 0.5559 | 0.2351 | 125.2           | 20 503                          | -1 503c                         |      |  |  |  |
| 13 465                                                                                                                      | 33 566                          | 22.22            | 58.48            | 18.53            | 0.2239 | 0.5892 | 0.1867 | 118.2           | 22 512                          | -1 512c                         |      |  |  |  |
| 14 470                                                                                                                      | 34 570                          | 24.31            | 60.63            | 13.78            | 0.2462 | 0.614  | 0.1366 | 111.7           | 24 521                          | -1 521c                         |      |  |  |  |
| 15 475                                                                                                                      | 35 576                          | 29.05            | 64.51            | 10.07            | 0.2803 | 0.6224 | 0.0971 | 104.3           | 26 531                          | -1 531c                         | Gm   |  |  |  |
| 16 480                                                                                                                      | 38 590                          | 41.29            | 72.88            | 7.29             | 0.3399 | 0.6    | 0.06   | 91.8            | 28 543                          | -1 543c                         |      |  |  |  |
| 17 485                                                                                                                      | -1 485c                         | 83.47            | 92.6             | 5.28             | 0.4602 | 0.5105 | 0.0291 | 53.2            | 32 563                          | 11 458                          |      |  |  |  |
| 18 490                                                                                                                      | -1 490c                         | 83.43            | 91.1             | 3.82             | 0.4677 | 0.5107 | 0.0214 | 51.5            | 32 564                          | 12 460                          |      |  |  |  |
| 19 495                                                                                                                      | -1 495c                         | 83.41            | 89.32            | 2.74             | 0.4753 | 0.509  | 0.0156 | 49.5            | 33 565                          | 12 462                          |      |  |  |  |
| 20 500                                                                                                                      | -1 500c                         | 83.37            | 87.23            | 1.95             | 0.4831 | 0.5055 | 0.0113 | 47.1            | 33 566                          | 12 464                          |      |  |  |  |
| 21 505                                                                                                                      | -1 505c                         | 83.25            | 84.82            | 1.37             | 0.4912 | 0.5005 | 0.0081 | 44.4            | 33 567                          | 13 466                          |      |  |  |  |
| 21 510                                                                                                                      | -1 509c                         | 83.25            | 84.82            | 1.37             | 0.4912 | 0.5005 | 0.0081 | 44.4            | 33 567                          | 13 466                          |      |  |  |  |
| 23 515                                                                                                                      | -1 515c                         | 82.62            | 79.01            | 0.66             | 0.509  | 0.4868 | 0.004  | 38.2            | 34 570                          | 14 470                          |      |  |  |  |
| 24 520                                                                                                                      | -1 520c                         | 81.99            | 75.59            | 0.44             | 0.5188 | 0.4783 | 0.0027 | 34.7            | 34 571                          | 14 471                          | Ym   |  |  |  |
| 24 525                                                                                                                      | -1 524c                         | 81.99            | 75.59            | 0.44             | 0.5188 | 0.4783 | 0.0027 | 34.7            | 34 571                          | 14 471                          |      |  |  |  |
| 25 530                                                                                                                      | -1 529c                         | 81.09            | 71.83            | 0.27             | 0.5293 | 0.4688 | 0.0018 | 31.0            | 34 573                          | 14 473                          |      |  |  |  |
| 27 535                                                                                                                      | -1 535c                         | 78.37            | 63.63            | 0.08             | 0.5515 | 0.4478 | 0.0006 | 23.4            | 35 577                          | 15 475                          |      |  |  |  |
| 28 540                                                                                                                      | -1 540c                         | 76.53            | 59.32            | 0.04             | 0.5631 | 0.4365 | 0.0002 | 19.6            | 35 579                          | 15 476                          |      |  |  |  |
| 29 545                                                                                                                      | -1 545c                         | 74.34            | 54.91            | 0.01             | 0.575  | 0.4248 | 0.0001 | 16.0            | 36 581                          | 15 477                          |      |  |  |  |
| 29 550                                                                                                                      | -1 549c                         | 74.34            | 54.91            | 0.01             | 0.575  | 0.4248 | 0.0001 | 16.0            | 36 581                          | 15 477                          |      |  |  |  |
| 31 555                                                                                                                      | -1 555c                         | 68.87            | 46.06            | 0.0              | 0.5991 | 0.4008 | 0.0    | 9.3             | 37 587                          | 15 479                          |      |  |  |  |
| 32 560                                                                                                                      | 2 411                           | 66.04            | 41.79            | 2.01             | 0.6012 | 0.3804 | 0.0183 | 4.7             | 38 591                          | 16 480                          |      |  |  |  |
| 33 565                                                                                                                      | 12 461                          | 72.7             | 39.95            | 56.0             | 0.431  | 0.2368 | 0.332  | 304.2           | -1 504c                         | 20 504                          |      |  |  |  |
| 34 570                                                                                                                      | 13 469                          | 70.21            | 37.06            | 65.29            | 0.4068 | 0.2147 | 0.3783 | 292.2           | -1 520c                         | 24 520                          |      |  |  |  |
| 35 575                                                                                                                      | 14 474                          | 66.44            | 33.97            | 68.99            | 0.3921 | 0.2005 | 0.4072 | 285.6           | -1 529c                         | 25 529                          |      |  |  |  |
| 35 580                                                                                                                      | 15 476                          | 66.65            | 34.51            | 70.87            | 0.3874 | 0.2005 | 0.4119 | 284.0           | -1 531c                         | 26 531                          |      |  |  |  |
| 37 585                                                                                                                      | 15 478                          | 57.75            | 27.93            | 72.05            | 0.3661 | 0.1771 | 0.4567 | 275.7           | -1 540c                         | 28 540                          |      |  |  |  |
| 38 590                                                                                                                      | 15 479                          | 53.17            | 25.11            | 72.91            | 0.3516 | 0.1661 | 0.4822 | 271.1           | -1 544c                         | 28 544                          |      |  |  |  |
| 39 595                                                                                                                      | 16 481                          | 48.42            | 22.44            | 73.41            | 0.3355 | 0.1555 | 0.5088 | 266.6           | -1 547c                         | 29 547                          |      |  |  |  |
| 40 600                                                                                                                      | 16 481                          | 43.68            | 19.95            | 73.79            | 0.3178 | 0.1451 | 0.5369 | 262.0           | -1 550c                         | 30 550                          |      |  |  |  |
| 41 605                                                                                                                      | 16 482                          | 39.11            | 17.67            | 74.08            | 0.2988 | 0.135  | 0.566  | 257.7           | -1 552c                         | 30 552                          |      |  |  |  |
| 41 610                                                                                                                      | 16 482                          | 39.12            | 17.79            | 74.31            | 0.2981 | 0.1355 | 0.5662 | 257.5           | -1 552c                         | 30 552                          |      |  |  |  |
| 43 615                                                                                                                      | 16 483                          | 30.9             | 13.85            | 74.48            | 0.2591 | 0.1162 | 0.6246 | 250.0           | -1 556c                         | 31 556                          |      |  |  |  |
| 44 620                                                                                                                      | 16 483                          | 27.44            | 12.33            | 74.6             | 0.2399 | 0.1078 | 0.6522 | 246.8           | -1 558c                         | 31 558                          |      |  |  |  |
| 45 625                                                                                                                      | 16 483                          | 24.47            | 11.06            | 74.69            | 0.222  | 0.1003 | 0.6776 | 244.1           | -1 559c                         | 31 559                          |      |  |  |  |
| 46 630                                                                                                                      | 16 483                          | 21.98            | 10.02            | 74.78            | 0.2058 | 0.0938 | 0.7002 | 241.9           | 4 423                           | 32 560                          |      |  |  |  |
| 47 635                                                                                                                      | 16 484                          | 19.9             | 9.18             | 74.86            | 0.1915 | 0.0883 | 0.7201 | 240.0           | 7 438                           | 32 561                          |      |  |  |  |
| 48 640                                                                                                                      | 16 484                          | 18.24            | 8.53             | 74.92            | 0.1793 | 0.0838 | 0.7367 | 238.5           | 9 445                           | 32 561                          |      |  |  |  |
| 49 645                                                                                                                      | 16 484                          | 16.95            | 8.03             | 74.97            | 0.1695 | 0.0803 | 0.75   | 237.4           | 9 449                           | 32 562                          |      |  |  |  |
| 50 650                                                                                                                      | 16 484                          | 15.95            | 7.65             | 75.0             | 0.1618 | 0.0775 | 0.7606 | 236.6           | 10 451                          | 32 562                          |      |  |  |  |
| 51 655                                                                                                                      | 16 484                          | 15.19            | 7.35             | 75.02            | 0.1557 | 0.0754 | 0.7688 | 235.9           | 10 453                          | 32 562                          |      |  |  |  |
| 51 660                                                                                                                      | 16 484                          | 15.19            | 7.36             | 75.03            | 0.1557 | 0.0754 | 0.7688 | 235.9           | 10 453                          | 32 562                          |      |  |  |  |
| 52 665                                                                                                                      | 16 484                          | 14.62            | 7.14             | 75.04            | 0.151  | 0.0737 | 0.7751 | 235.4           | 10 454                          | 32 563                          |      |  |  |  |
| 54 670                                                                                                                      | 16 484                          | 13.87            | 6.85             | 75.05            | 0.1448 | 0.0715 | 0.7835 | 234.8           | 11 455                          | 32 563                          |      |  |  |  |
| 54 675                                                                                                                      | 16 484                          | 13.87            | 6.86             | 75.06            | 0.1448 | 0.0716 | 0.7835 | 234.8           | 11 455                          | 32 563                          |      |  |  |  |
| 55 680                                                                                                                      | 16 484                          | 13.66            | 6.77             | 75.06            | 0.143  | 0.0709 | 0.7859 | 234.6           | 11 456                          | 32 563                          |      |  |  |  |
| 56 685                                                                                                                      | 16 484                          | 13.51            | 6.72             | 75.06            | 0.1418 | 0.0705 | 0.7876 | 234.5           | 11 456                          | 32 563                          |      |  |  |  |
| 58 690                                                                                                                      | 16 484                          | 13.35            | 6.65             | 75.07            | 0.1404 | 0.07   | 0.7895 | 234.4           | 11 456                          | 32 563                          |      |  |  |  |
| 380                                                                                                                         | 770                             | 96.72            | 99.99            | 81.41            | 0.3477 | 0.3595 | 0.2927 | 0.0             |                                 |                                 |      |  |  |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for D50 and Y <sub>w,10</sub> =100, B <sub>m</sub> =380_520 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |      |  |  |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|------|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                             | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 31 559                                                                                                                      | 1 405                           | 67.68            | 44.04            | 1.19             | 0.5993 | 0.39   | 0.0106 | 6.9             | 37 589                          | 15 479                          | Rm   |  |  |
| 31 560                                                                                                                      | 2 410                           | 67.89            | 43.96            | 2.52             | 0.5935 | 0.3843 | 0.022  | 5.7             | 38 590                          | 16 480                          |      |  |  |
| 32 560                                                                                                                      | 3 415                           | 68.24            | 43.88            | 4.64             | 0.5844 | 0.3758 | 0.0397 | 3.9             | 38 592                          | 16 480                          |      |  |  |
| 32 560                                                                                                                      | 4 420                           | 68.72            | 43.79            | 7.57             | 0.5722 | 0.3646 | 0.063  | 1.3             | 39 595                          | 16 481                          |      |  |  |
| 32 560                                                                                                                      | 5 425                           | 69.32            | 43.7             | 11.2             | 0.558  | 0.3517 | 0.0901 | 357.8           | 40 601                          | 16 482                          |      |  |  |
| 32 560                                                                                                                      | 5 430                           | 69.17            | 43.51            | 11.2             | 0.5583 | 0.3512 | 0.0904 | 357.7           | 40 601                          | 16 482                          |      |  |  |
| 32 561                                                                                                                      | 7 435                           | 71.05            | 43.57            | 21.62            | 0.5214 | 0.3198 | 0.1587 | 347.1           | 58 693                          | 16 484                          |      |  |  |
| 32 561                                                                                                                      | 7 440                           | 70.81            | 43.28            | 21.62            | 0.5217 | 0.3189 | 0.1593 | 346.8           | -1 484c                         | 16 484                          |      |  |  |
| 32 561                                                                                                                      | 9 445                           | 73.22            | 43.44            | 35.87            | 0.48   | 0.2848 | 0.2351 | 330.5           | -1 489c                         | 17 489                          |      |  |  |
| 32 562                                                                                                                      | 10 450                          | 74.21            | 43.34            | 43.39            | 0.461  | 0.2693 | 0.2695 | 321.5           | -1 493c                         | 18 493                          |      |  |  |
| 32 563                                                                                                                      | 10 455                          | 73.61            | 42.6             | 43.39            | 0.4612 | 0.2669 | 0.2718 | 320.8           | -1 493c                         | 18 493                          |      |  |  |
| 32 564                                                                                                                      | 12 460                          | 75.15            | 42.58            | 57.13            | 0.4297 | 0.2435 | 0.3267 | 305.2           | -1 503c                         | 20 503                          |      |  |  |
| 33 566                                                                                                                      | 13 465                          | 74.5             | 41.51            | 62.87            | 0.4164 | 0.232  | 0.3514 | 298.3           | -1 512c                         | 22 512                          |      |  |  |
| 34 570                                                                                                                      | 14 470                          | 72.4             | 39.36            | 67.62            | 0.4036 | 0.2194 | 0.3769 | 291.7           | -1 521c                         | 24 521                          |      |  |  |
| 35 576                                                                                                                      | 15 475                          | 67.66            | 35.48            | 71.33            | 0.3877 | 0.2033 | 0.4088 | 284.4           | -1 531c                         | 26 531                          | Mn   |  |  |
| 38 590                                                                                                                      | 16 480                          | 55.43            | 27.11            | 74.11            | 0.3538 | 0.173  | 0.473  | 271.8           | -1 543c                         | 28 543                          |      |  |  |
| -1 485c                                                                                                                     | 17 485                          | 13.25            | 7.39             | 76.12            | 0.1369 | 0.0764 | 0.7866 | 233.3           | 11 458                          | 32 563                          |      |  |  |
| -1 490c                                                                                                                     | 18 490                          | 13.29            | 8.89             | 77.58            | 0.1332 | 0.0891 | 0.7775 | 231.5           | 12 460                          | 32 564                          |      |  |  |
| -1 495c                                                                                                                     | 19 495                          | 13.31            | 10.67            | 78.66            | 0.1296 | 0.104  | 0.7663 | 229.1           | 12 462                          | 33 565                          |      |  |  |
| -1 500c                                                                                                                     | 20 500                          | 13.35            | 12.76            | 79.45            | 0.1264 | 0.1208 | 0.7526 | 227.1           | 12 464                          | 33 566                          |      |  |  |
| -1 505c                                                                                                                     | 21 505                          | 13.46            | 15.17            | 80.03            | 0.1239 | 0.1396 | 0.7364 | 224.5           | 13 466                          | 33 567                          |      |  |  |
| -1 509c                                                                                                                     | 21 510                          | 13.46            | 15.17            | 80.03            | 0.1239 | 0.1396 | 0.7364 | 224.5           | 13 466                          | 33 567                          |      |  |  |
| -1 515c                                                                                                                     | 23 515                          | 14.09            | 20.98            | 80.74            | 0.1217 | 0.1811 | 0.697  | 218.2           | 14 470                          | 34 570                          |      |  |  |
| -1 520c                                                                                                                     | 24 520                          | 14.72            | 24.4             | 80.97            | 0.1226 | 0.2032 | 0.6741 | 214.7           | 14 471                          | 34 571                          | Bm   |  |  |
| -1 524c                                                                                                                     | 24 525                          | 14.72            | 24.4             | 80.97            | 0.1226 | 0.2032 | 0.6741 | 214.7           | 14 471                          | 34 571                          |      |  |  |
| -1 529c                                                                                                                     | 25 530                          | 15.63            | 28.16            | 81.13            | 0.1251 | 0.2254 | 0.6494 | 211.0           | 14 473                          | 34 573                          |      |  |  |
| -1 535c                                                                                                                     | 27 535                          | 18.35            | 36.36            | 81.32            | 0.1348 | 0.2672 | 0.5978 | 203.4           | 15 475                          | 35 577                          |      |  |  |
| -1 540c                                                                                                                     | 28 540                          | 20.18            | 40.67            | 81.37            | 0.1419 | 0.2859 | 0.572  | 199.6           | 15 476                          | 35 579                          |      |  |  |
| -1 545c                                                                                                                     | 29 545                          | 22.38            | 45.08            | 81.39            | 0.1503 | 0.3028 | 0.5467 | 196.0           | 15 477                          | 36 581                          |      |  |  |
| -1 549c                                                                                                                     | 29 550                          | 22.38            | 45.08            | 81.39            | 0.1503 | 0.3028 | 0.5467 | 196.0           | 15 477                          | 36 581                          |      |  |  |
| -1 555c                                                                                                                     | 31 555                          | 27.85            | 53.93            | 81.41            | 0.1706 | 0.3304 | 0.4988 | 189.3           | 15 479                          | 37 587                          |      |  |  |
| 2 411                                                                                                                       | 32 560                          | 30.68            | 58.2             | 79.4             | 0.1823 | 0.3458 | 0.4718 | 184.7           | 16 480                          | 38 591                          |      |  |  |
| 12 461                                                                                                                      | 33 565                          | 24.02            | 60.04            | 25.4             | 0.2194 | 0.5485 | 0.232  | 124.1           | 20 504                          | -1 504c                         |      |  |  |
| 13 469                                                                                                                      | 34 570                          | 26.51            | 62.93            | 16.11            | 0.2511 | 0.5962 | 0.1526 | 112.1           | 24 520                          | -1 520c                         |      |  |  |
| 14 474                                                                                                                      | 35 575                          | 30.28            | 66.02            | 12.42            | 0.2785 | 0.6072 | 0.1142 | 105.5           | 25 529                          | -1 529c                         |      |  |  |
| 15 476                                                                                                                      | 35 580                          | 30.07            | 65.48            | 10.53            | 0.2834 | 0.6172 | 0.0993 | 103.9           | 26 531                          | -1 531c                         |      |  |  |
| 15 478                                                                                                                      | 37 585                          | 38.97            | 72.06            | 9.35             | 0.3237 | 0.5985 | 0.0776 | 95.7            | 28 540                          | -1 540c                         |      |  |  |
| 15 479                                                                                                                      | 38 590                          | 43.55            | 74.88            | 8.49             | 0.3431 | 0.5899 | 0.0669 | 91.1            | 28 544                          | -1 544c                         |      |  |  |
| 16 481                                                                                                                      | 39 595                          | 48.3             | 77.55            | 7.99             | 0.3608 | 0.5793 | 0.0597 | 86.5            | 29 547                          | -1 547c                         |      |  |  |
| 16 481                                                                                                                      | 40 600                          | 53.03            | 80.04            | 7.61             | 0.3769 | 0.5689 | 0.0541 | 82.0            | 30 550                          | -1 550c                         |      |  |  |
| 16 482                                                                                                                      | 41 605                          | 57.61            | 82.32            | 7.32             | 0.3912 | 0.559  | 0.0497 | 77.6            | 30 552                          | -1 552c                         |      |  |  |
| 16 482                                                                                                                      | 41 610                          | 57.59            | 82.2             | 7.1              | 0.392  | 0.5596 | 0.0483 | 77.4            | 30 552                          | -1 552c                         |      |  |  |
| 16 483                                                                                                                      | 43 615                          | 65.82            | 86.14            | 6.92             | 0.4142 | 0.5421 | 0.0436 | 69.9            | 31 556                          | -1 556c                         |      |  |  |
| 16 483                                                                                                                      | 44 620                          | 69.28            | 87.66            | 6.8              | 0.423  | 0.5353 | 0.0415 | 66.7            | 31 558                          | -1 558c                         |      |  |  |
| 16 483                                                                                                                      | 45 625                          | 72.24            | 88.93            | 6.71             | 0.4303 | 0.5297 | 0.0399 | 64.0            | 31 559                          | -1 559c                         |      |  |  |
| 16 483                                                                                                                      | 46 630                          | 74.74            | 89.97            | 6.62             | 0.4362 | 0.5251 | 0.0386 | 61.8            | 32 560                          | 4 423                           |      |  |  |
| 16 484                                                                                                                      | 47 635                          | 76.81            | 90.81            | 6.55             | 0.441  | 0.5213 | 0.0376 | 60.0            | 32 561                          | 7 438                           |      |  |  |
| 16 484                                                                                                                      | 48 640                          | 78.48            | 91.46            | 6.48             | 0.4448 | 0.5184 | 0.0367 | 58.5            | 32 561                          | 9 445                           |      |  |  |
| 16 484                                                                                                                      | 49 645                          | 79.77            | 91.96            | 6.43             | 0.4477 | 0.5161 | 0.0361 | 57.4            | 32 562                          | 9 449                           |      |  |  |
| 16 484                                                                                                                      | 50 650                          | 80.76            | 92.34            | 6.4              | 0.4499 | 0.5144 | 0.0356 | 56.5            | 32 562                          | 10 451                          |      |  |  |
| 16 484                                                                                                                      | 51 665                          | 81.52            | 92.64            | 6.38             | 0.4515 | 0.513  | 0.0353 | 55.9            | 32 562                          | 10 453                          |      |  |  |
| 16 484                                                                                                                      | 51 660                          | 81.52            | 92.63            | 6.37             | 0.4515 | 0.5131 | 0.0353 | 55.9            | 32 562                          | 10 453                          |      |  |  |
| 16 484                                                                                                                      | 52 665                          | 82.1             | 92.85            | 6.36             | 0.4528 | 0.5121 | 0.035  | 55.4            | 32 563                          | 10 454                          |      |  |  |
| 16 484                                                                                                                      | 54 670                          | 82.84            | 93.14            | 6.35             | 0.4543 | 0.5108 | 0.0348 | 54.8            | 32 563                          | 11 455                          |      |  |  |
| 16 484                                                                                                                      | 54 675                          | 82.84            | 93.13            | 6.34             | 0.4543 | 0.5108 | 0.0348 | 54.8            | 32 563                          | 11 455                          |      |  |  |
| 16 484                                                                                                                      | 55 680                          | 83.06            | 93.22            | 6.34             | 0.4548 | 0.5104 | 0.0347 | 54.6            | 32 563                          | 11 456                          |      |  |  |
| 16 484                                                                                                                      | 56 685                          | 83.21            | 93.27            | 6.34             | 0.4551 | 0.5101 | 0.0346 | 54.5            | 32 563                          | 11 456                          |      |  |  |
| 16 484                                                                                                                      | 58 690                          | 83.37            | 93.34            | 6.34             | 0.4554 | 0.5099 | 0.0346 | 54.3            | 32 563                          | 11 456                          |      |  |  |
| 380                                                                                                                         | 770                             | 96.72            | 99.99            | 81.41            | 0.3477 | 0.3595 | 0.2927 | 0.0             |                                 |                                 |      |  |  |

see similar files: <http://130.149.60.45/~farbmetrik/SN63/SN63L0NP.PDF> /  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-SN63/SN63L0NP.PDF /.PS  
application for measurement of display output

TUB material: code=rha4ta

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for P40 and Y <sub>w,10</sub> =100, Y <sub>m</sub> =520_770 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |      |  |  |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|------|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                             | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 0 405                                                                                                                       | 32 563                          | 28.47            | 54.51            | 64.02            | 0.1937 | 0.3708 | 0.4354 | 181.4           | 16 481                          | 38 591                          | Cm   |  |  |
| 2 410                                                                                                                       | 32 563                          | 28.17            | 54.55            | 62.35            | 0.1942 | 0.376  | 0.4297 | 179.8           | 16 482                          | 38 593                          |      |  |  |
| 3 415                                                                                                                       | 32 563                          | 27.88            | 54.61            | 60.59            | 0.1948 | 0.3816 | 0.4234 | 178.1           | 16 482                          | 39 595                          |      |  |  |
| 4 420                                                                                                                       | 32 564                          | 27.45            | 54.67            | 58.04            | 0.1958 | 0.39   | 0.4141 | 175.5           | 16 483                          | 39 599                          |      |  |  |
| 5 425                                                                                                                       | 32 564                          | 26.88            | 54.73            | 54.72            | 0.1971 | 0.4014 | 0.4013 | 172.0           | 16 484                          | 41 605                          |      |  |  |
| 6 430                                                                                                                       | 32 564                          | 26.18            | 54.77            | 50.63            | 0.1989 | 0.4162 | 0.3847 | 167.5           | 17 485                          | 44 622                          |      |  |  |
| 7 435                                                                                                                       | 32 564                          | 25.4             | 54.82            | 45.87            | 0.2014 | 0.4347 | 0.3638 | 161.8           | 17 487                          | -1 487c                         |      |  |  |
| 8 440                                                                                                                       | 32 564                          | 24.58            | 54.87            | 40.64            | 0.2046 | 0.4569 | 0.3384 | 155.4           | 17 489                          | -1 489c                         |      |  |  |
| 9 445                                                                                                                       | 33 565                          | 23.81            | 54.95            | 35.19            | 0.2089 | 0.4821 | 0.3088 | 148.3           | 18 491                          | -1 491c                         |      |  |  |
| 10 450                                                                                                                      | 33 565                          | 23.18            | 55.07            | 29.74            | 0.2146 | 0.5099 | 0.2753 | 141.2           | 19 495                          | -1 495c                         |      |  |  |
| 11 455                                                                                                                      | 33 566                          | 22.79            | 55.32            | 24.47            | 0.2221 | 0.5392 | 0.2385 | 134.3           | 19 499                          | -1 499c                         |      |  |  |
| 12 460                                                                                                                      | 33 567                          | 22.73            | 55.74            | 19.55            | 0.2319 | 0.5686 | 0.1994 | 127.9           | 21 505                          | -1 505c                         |      |  |  |
| 12 465                                                                                                                      | 33 568                          | 24.04            | 57.17            | 19.55            | 0.2386 | 0.5673 | 0.194  | 126.8           | 21 506                          | -1 506c                         |      |  |  |
| 14 470                                                                                                                      | 34 571                          | 25.22            | 58.4             | 11.45            | 0.2652 | 0.6142 | 0.1204 | 116.0           | 24 521                          | -1 521c                         |      |  |  |
| 15 475                                                                                                                      | 35 576                          | 29.04            | 61.5             | 8.53             | 0.2931 | 0.6206 | 0.0861 | 109.9           | 26 531                          | -1 531c                         | Gm   |  |  |
| 16 480                                                                                                                      | 37 585                          | 38.18            | 67.98            | 6.3              | 0.3394 | 0.6044 | 0.056  | 100.5           | 28 542                          | -1 542c                         |      |  |  |
| 17 485                                                                                                                      | 42 611                          | 65.29            | 82.81            | 4.63             | 0.4274 | 0.5421 | 0.0303 | 74.7            | 31 558                          | -1 558c                         |      |  |  |
| 17 490                                                                                                                      | -1 489c                         | 91.31            | 94.15            | 4.63             | 0.4803 | 0.4952 | 0.0243 | 50.6            | 33 566                          | 11 458                          |      |  |  |
| 19 495                                                                                                                      | -1 495c                         | 91.26            | 91.34            | 2.45             | 0.4931 | 0.4935 | 0.0132 | 46.7            | 33 568                          | 12 463                          |      |  |  |
| 20 500                                                                                                                      | -1 500c                         | 91.22            | 89.52            | 1.76             | 0.4998 | 0.4905 | 0.0096 | 44.3            | 33 569                          | 13 465                          |      |  |  |
| 21 505                                                                                                                      | -1 505c                         | 91.12            | 87.4             | 1.25             | 0.5068 | 0.4861 | 0.0069 | 41.5            | 34 570                          | 13 467                          |      |  |  |
| 22 510                                                                                                                      | -1 510c                         | 90.92            | 84.94            | 0.88             | 0.5143 | 0.4805 | 0.005  | 38.4            | 34 571                          | 13 469                          |      |  |  |
| 23 515                                                                                                                      | -1 515c                         | 90.55            | 82.13            | 0.61             | 0.5225 | 0.4739 | 0.0035 | 35.0            | 34 572                          | 14 471                          |      |  |  |
| 23 520                                                                                                                      | -1 519c                         | 90.55            | 82.13            | 0.61             | 0.5225 | 0.4739 | 0.0035 | 35.0            | 34 572                          | 14 471                          | Ym   |  |  |
| 25 525                                                                                                                      | -1 525c                         | 89.15            | 75.59            | 0.25             | 0.5403 | 0.4581 | 0.0015 | 27.5            | 35 575                          | 14 474                          |      |  |  |
| 25 530                                                                                                                      | -1 529c                         | 89.15            | 75.59            | 0.25             | 0.5403 | 0.4581 | 0.0015 | 27.5            | 35 575                          | 14 474                          |      |  |  |
| 26 535                                                                                                                      | -1 534c                         | 88.04            | 71.91            | 0.15             | 0.5498 | 0.4491 | 0.0009 | 23.6            | 35 577                          | 15 475                          |      |  |  |
| 28 540                                                                                                                      | -1 540c                         | 84.88            | 63.89            | 0.03             | 0.5703 | 0.4293 | 0.0002 | 15.9            | 36 581                          | 15 477                          |      |  |  |
| 28 545                                                                                                                      | -1 544c                         | 84.88            | 63.89            | 0.03             | 0.5703 | 0.4293 | 0.0002 | 15.9            | 36 581                          | 15 477                          |      |  |  |
| 30 550                                                                                                                      | -1 550c                         | 80.29            | 55.35            | 0.0              | 0.5919 | 0.408  | 0.0    | 8.7             | 37 585                          | 15 479                          |      |  |  |
| 31 555                                                                                                                      | -1 555c                         | 77.38            | 50.95            | 0.0              | 0.6029 | 0.397  | 0.0    | 5.5             | 37 587                          | 16 480                          |      |  |  |
| 31 560                                                                                                                      | -1 559c                         | 77.38            | 50.95            | 0.0              | 0.6029 | 0.397  | 0.0    | 5.5             | 37 587                          | 16 480                          |      |  |  |
| 32 565                                                                                                                      | 8 442                           | 78.78            | 47.19            | 23.46            | 0.5272 | 0.3157 | 0.1569 | 337.5           | -1 488c                         | 17 488                          |      |  |  |
| 34 570                                                                                                                      | 13 467                          | 75.34            | 40.3             | 49.02            | 0.4575 | 0.2447 | 0.2977 | 299.9           | -1 516c                         | 23 516                          |      |  |  |
| 35 575                                                                                                                      | 14 473                          | 71.47            | 37.05            | 53.81            | 0.4402 | 0.2282 | 0.3315 | 291.5           | -1 529c                         | 25 529                          |      |  |  |
| 36 580                                                                                                                      | 15 477                          | 66.83            | 33.66            | 55.82            | 0.4275 | 0.2153 | 0.357  | 285.8           | -1 536c                         | 27 536                          |      |  |  |
| 37 585                                                                                                                      | 15 479                          | 61.8             | 30.28            | 57.0             | 0.4145 | 0.2031 | 0.3823 | 280.6           | -1 542c                         | 28 542                          |      |  |  |
| 38 590                                                                                                                      | 16 481                          | 56.5             | 27.06            | 57.69            | 0.4    | 0.1915 | 0.4084 | 275.5           | -1 546c                         | 29 546                          |      |  |  |
| 38 595                                                                                                                      | 16 482                          | 56.54            | 27.31            | 58.18            | 0.398  | 0.1923 | 0.4096 | 274.9           | -1 546c                         | 29 546                          |      |  |  |
| 40 600                                                                                                                      | 16 483                          | 45.81            | 21.18            | 58.54            | 0.3649 | 0.1687 | 0.4663 | 265.2           | -1 552c                         | 30 552                          |      |  |  |
| 41 605                                                                                                                      | 16 484                          | 40.68            | 18.59            | 58.82            | 0.3444 | 0.1574 | 0.498  | 260.2           | -1 555c                         | 31 555                          |      |  |  |
| 42 610                                                                                                                      | 16 484                          | 35.84            | 16.28            | 59.03            | 0.3224 | 0.1464 | 0.531  | 255.4           | -1 557c                         | 31 557                          |      |  |  |
| 43 615                                                                                                                      | 17 485                          | 31.38            | 14.24            | 59.16            | 0.2994 | 0.1359 | 0.5645 | 250.9           | -1 559c                         | 31 559                          |      |  |  |
| 44 620                                                                                                                      | 17 485                          | 27.38            | 12.48            | 59.24            | 0.2763 | 0.1259 | 0.5977 | 247.0           | -1 561c                         | 32 561                          |      |  |  |
| 45 625                                                                                                                      | 17 485                          | 23.88            | 10.97            | 59.31            | 0.2536 | 0.1165 | 0.6297 | 243.6           | -1 562c                         | 32 562                          |      |  |  |
| 46 630                                                                                                                      | 17 485                          | 20.91            | 9.74             | 59.37            | 0.2323 | 0.1081 | 0.6594 | 240.7           | -1 563c                         | 32 563                          |      |  |  |
| 47 635                                                                                                                      | 17 486                          | 18.47            | 8.75             | 59.42            | 0.2132 | 0.1009 | 0.6857 | 238.4           | 5 426                           | 32 564                          |      |  |  |
| 47 640                                                                                                                      | 17 486                          | 18.47            | 8.78             | 59.46            | 0.213  | 0.1013 | 0.6856 | 238.5           | 5 427                           | 32 564                          |      |  |  |
| 49 645                                                                                                                      | 17 486                          | 14.95            | 7.37             | 59.5             | 0.1827 | 0.09   | 0.7272 | 235.0           | 9 447                           | 33 565                          |      |  |  |
| 50 650                                                                                                                      | 17 486                          | 13.74            | 6.9              | 59.52            | 0.1714 | 0.086  | 0.7424 | 233.9           | 10 451                          | 33 565                          |      |  |  |
| 51 655                                                                                                                      | 17 486                          | 12.82            | 6.54             | 59.53            | 0.1625 | 0.0829 | 0.7544 | 233.1           | 10 453                          | 33 566                          |      |  |  |
| 52 660                                                                                                                      | 17 486                          | 12.14            | 6.28             | 59.54            | 0.1557 | 0.0806 | 0.7636 | 232.4           | 10 454                          | 33 566                          |      |  |  |
| 53 665                                                                                                                      | 17 486                          | 11.64            | 6.09             | 59.54            | 0.1506 | 0.0788 | 0.7704 | 232.0           | 11 455                          | 33 566                          |      |  |  |
| 54 670                                                                                                                      | 17 486                          | 11.27            | 5.95             | 59.55            | 0.1468 | 0.0776 | 0.7755 | 231.7           | 11 456                          | 33 566                          |      |  |  |
| 55 675                                                                                                                      | 17 486                          | 11.02            | 5.86             | 59.55            | 0.1441 | 0.0766 | 0.7791 | 231.4           | 11 457                          | 33 566                          |      |  |  |
| 56 680                                                                                                                      | 17 486                          | 10.84            | 5.79             | 59.56            | 0.1422 | 0.076  | 0.7816 | 231.3           | 11 457                          | 33 566                          |      |  |  |
| 56 685                                                                                                                      | 17 486                          | 10.84            | 5.79             | 59.56            | 0.1422 | 0.076  | 0.7816 | 231.3           | 11 457                          | 33 566                          |      |  |  |
| 58 690                                                                                                                      | 17 486                          | 10.62            | 5.71             | 59.56            | 0.14   | 0.0752 | 0.7847 | 231.1           | 11 457                          | 33 566                          |      |  |  |
| 380                                                                                                                         | 770                             | 101.75           | 100.0            | 64.44            | 0.3822 | 0.3756 | 0.2421 | 0.0             |                                 |                                 |      |  |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for P40 and Y <sub>w,10</sub> =100, B <sub>m</sub> =380_520 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |      |  |  |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|------|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                             | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 32 563                                                                                                                      | 0 405                           | 73.27            | 45.48            | 0.42             | 0.6147 | 0.3816 | 0.0035 | 1.4             | 38 591                          | 16 481                          | Rm   |  |  |
| 32 563                                                                                                                      | 2 410                           | 73.57            | 45.44            | 2.09             | 0.6074 | 0.3752 | 0.0172 | 359.8           | 38 593                          | 16 482                          |      |  |  |
| 32 563                                                                                                                      | 3 415                           | 73.86            | 45.38            | 3.85             | 0.6    | 0.3686 | 0.0313 | 358.1           | 39 595                          | 16 482                          |      |  |  |
| 32 564                                                                                                                      | 4 420                           | 74.29            | 45.32            | 6.39             | 0.5895 | 0.3596 | 0.0507 | 355.5           | 39 599                          | 16 483                          |      |  |  |
| 32 564                                                                                                                      | 5 425                           | 74.86            | 45.26            | 9.72             | 0.5765 | 0.3485 | 0.0748 | 352.0           | 41 605                          | 16 484                          |      |  |  |
| 32 564                                                                                                                      | 6 430                           | 75.56            | 45.22            | 13.8             | 0.5614 | 0.3359 | 0.1026 | 347.5           | 44 622                          | 17 485                          |      |  |  |
| 32 564                                                                                                                      | 7 435                           | 76.34            | 45.17            | 18.57            | 0.5449 | 0.3224 | 0.1325 | 341.9           | -1 487c                         | 17 487                          |      |  |  |
| 32 564                                                                                                                      | 8 440                           | 77.17            | 45.12            | 23.8             | 0.5282 | 0.3088 | 0.1629 | 335.4           | -1 489c                         | 17 489                          |      |  |  |
| 33 565                                                                                                                      | 9 445                           | 77.93            | 45.04            | 29.25            | 0.5119 | 0.2959 | 0.1921 | 328.4           | -1 491c                         | 18 491                          |      |  |  |
| 33 565                                                                                                                      | 10 450                          | 78.56            | 44.92            | 34.7             | 0.4966 | 0.2839 | 0.2193 | 321.3           | -1 495c                         | 19 495                          |      |  |  |
| 33 566                                                                                                                      | 11 455                          | 78.96            | 44.67            | 39.97            | 0.4826 | 0.273  | 0.2443 | 314.4           | -1 499c                         | 19 499                          |      |  |  |
| 33 567                                                                                                                      | 12 460                          | 79.01            | 44.25            | 44.88            | 0.4698 | 0.2631 | 0.2669 | 307.9           | -1 505c                         | 21 505                          |      |  |  |
| 33 568                                                                                                                      | 12 465                          | 77.7             | 42.82            | 44.88            | 0.4697 | 0.2589 | 0.2713 | 306.8           | -1 506c                         | 21 506                          |      |  |  |
| 34 571                                                                                                                      | 14 470                          | 76.52            | 41.59            | 52.99            | 0.4472 | 0.243  | 0.3097 | 296.1           | -1 521c                         | 24 521                          |      |  |  |
| 35 576                                                                                                                      | 15 475                          | 72.7             | 38.49            | 55.9             | 0.435  | 0.2303 | 0.3345 | 290.0           | -1 531c                         | 26 531                          | Mm   |  |  |
| 37 585                                                                                                                      | 16 480                          | 63.56            | 32.01            | 58.13            | 0.4135 | 0.2082 | 0.3782 | 280.6           | -1 542c                         | 28 542                          |      |  |  |
| 42 611                                                                                                                      | 17 485                          | 36.45            | 17.18            | 59.81            | 0.3213 | 0.1514 | 0.5272 | 254.8           | -1 558c                         | 31 558                          |      |  |  |
| -1 489c                                                                                                                     | 17 490                          | 10.43            | 5.84             | 59.81            | 0.1371 | 0.0767 | 0.786  | 230.6           | 11 458                          | 33 566                          |      |  |  |
| -1 495c                                                                                                                     | 19 495                          | 10.48            | 8.65             | 61.99            | 0.1292 | 0.1066 | 0.764  | 226.7           | 12 463                          | 33 568                          |      |  |  |
| -1 500c                                                                                                                     | 20 500                          | 10.52            | 10.47            | 62.68            | 0.1257 | 0.1251 | 0.7491 | 224.3           | 13 465                          | 33 569                          |      |  |  |
| -1 505c                                                                                                                     | 21 505                          | 10.62            | 12.59            | 63.18            | 0.1229 | 0.1457 | 0.7313 | 221.5           | 13 467                          | 34 570                          |      |  |  |
| -1 510c                                                                                                                     | 22 510                          | 10.83            | 15.05            | 63.55            | 0.121  | 0.1683 | 0.7106 | 218.4           | 13 469                          | 34 571                          |      |  |  |
| -1 515c                                                                                                                     | 23 515                          | 11.19            | 17.86            | 63.83            | 0.1205 | 0.1922 | 0.6871 | 215.0           | 14 471                          | 34 572                          |      |  |  |
| -1 519c                                                                                                                     | 23 520                          | 11.19            | 17.86            | 63.83            | 0.1205 | 0.1922 | 0.6871 | 215.0           | 14 471                          | 34 572                          | Bm   |  |  |
| -1 525c                                                                                                                     | 25 525                          | 12.59            | 24.4             | 64.18            | 0.1244 | 0.2412 | 0.6343 | 207.5           | 14 474                          | 35 575                          |      |  |  |
| -1 529c                                                                                                                     | 25 530                          | 12.59            | 24.4             | 64.18            | 0.1244 | 0.2412 | 0.6343 | 207.5           | 14 474                          | 35 575                          |      |  |  |
| -1 534c                                                                                                                     | 26 535                          | 13.7             | 28.08            | 64.29            | 0.1291 | 0.2647 | 0.606  | 203.6           | 15 475                          | 35 577                          |      |  |  |
| -1 540c                                                                                                                     | 28 540                          | 16.86            | 36.1             | 64.4             | 0.1436 | 0.3075 | 0.5487 | 195.9           | 15 477                          | 36 581                          |      |  |  |
| -1 544c                                                                                                                     | 28 545                          | 16.86            | 36.1             | 64.4             | 0.1436 | 0.3075 | 0.5487 | 195.9           | 15 477                          | 36 581                          |      |  |  |
| -1 550c                                                                                                                     | 30 550                          | 21.45            | 44.64            | 64.44            | 0.1643 | 0.342  | 0.4936 | 188.7           | 15 479                          | 37 585                          |      |  |  |
| -1 555c                                                                                                                     | 31 555                          | 24.36            | 49.04            | 64.44            | 0.1767 | 0.3557 | 0.4675 | 185.5           | 16 480                          | 37 587                          |      |  |  |
| -1 559c                                                                                                                     | 31 560                          | 24.36            | 49.04            | 64.44            | 0.1767 | 0.3557 | 0.4675 | 185.5           | 16 480                          | 37 587                          |      |  |  |
| 8 442                                                                                                                       | 32 565                          | 22.96            | 52.8             | 40.98            | 0.1966 | 0.4522 | 0.351  | 157.5           | 17 488                          | -1 488c                         |      |  |  |
| 13 467                                                                                                                      | 34 570                          | 26.41            | 59.69            | 15.42            | 0.2601 | 0.5879 | 0.1518 | 119.8           | 23 516                          | -1 516c                         |      |  |  |
| 14 473                                                                                                                      | 35 575                          | 30.27            | 62.94            | 10.62            | 0.2915 | 0.6061 | 0.1023 | 111.4           | 25 529                          | -1 529c                         |      |  |  |
| 15 477                                                                                                                      | 36 580                          | 34.91            | 66.33            | 8.62             | 0.3177 | 0.6037 | 0.0784 | 105.7           | 27 536                          | -1 536c                         |      |  |  |
| 15 479                                                                                                                      | 37 585                          | 39.94            | 69.71            | 7.44             | 0.3411 | 0.5953 | 0.0635 | 100.5           | 28 542                          | -1 542c                         |      |  |  |
| 16 481                                                                                                                      | 38 590                          | 45.24            | 72.93            | 6.74             | 0.3621 | 0.5838 | 0.054  | 95.4            | 29 546                          | -1 546c                         |      |  |  |
| 16 482                                                                                                                      | 38 595                          | 45.2             | 72.68            | 6.26             | 0.3641 | 0.5854 | 0.0504 | 94.9            | 29 546                          | -1 546c                         |      |  |  |
| 16 483                                                                                                                      | 40 600                          | 55.93            | 78.81            | 5.9              | 0.3976 | 0.5603 | 0.0419 | 85.1            | 30 552                          | -1 552c                         |      |  |  |
| 16 484                                                                                                                      | 41 605                          | 61.06            | 81.4             | 5.62             | 0.4123 | 0.5496 | 0.0379 | 80.1            | 31 555                          | -1 555c                         |      |  |  |
| 16 484                                                                                                                      | 42 610                          | 65.91            | 83.71            | 5.41             | 0.4251 | 0.5399 | 0.0349 | 75.3            | 31 557                          | -1 557c                         |      |  |  |
| 17 485                                                                                                                      | 43 615                          | 70.36            | 85.75            | 5.27             | 0.4359 | 0.5313 | 0.0327 | 70.9            | 31 559                          | -1 559c                         |      |  |  |
| 17 485                                                                                                                      | 44 620                          | 74.36            | 87.51            | 5.19             | 0.445  | 0.5238 | 0.0311 | 66.9            | 32 561                          | -1 561c                         |      |  |  |
| 17 485                                                                                                                      | 45 625                          | 77.86            | 89.02            | 5.13             | 0.4526 | 0.5175 | 0.0298 | 63.5            | 32 562                          | -1 562c                         |      |  |  |
| 17 485                                                                                                                      | 46 630                          | 80.83            | 90.25            | 5.07             | 0.4588 | 0.5123 | 0.0288 | 60.6            | 32 563                          | -1 563c                         |      |  |  |
| 17 486                                                                                                                      | 47 635                          | 83.27            | 91.24            | 5.02             | 0.4638 | 0.5082 | 0.0279 | 58.3            | 32 564                          | 5 426                           |      |  |  |
| 17 486                                                                                                                      | 47 640                          | 83.27            | 91.21            | 4.98             | 0.464  | 0.5082 | 0.0277 | 58.3            | 32 564                          | 5 427                           |      |  |  |
| 17 486                                                                                                                      | 49 645                          | 86.8             | 92.62            | 4.94             | 0.4707 | 0.5023 | 0.0268 | 55.0            | 33 565                          | 9 447                           |      |  |  |
| 17 486                                                                                                                      | 50 650                          | 88.01            | 93.09            | 4.92             | 0.473  | 0.5004 | 0.0264 | 53.9            | 33 565                          | 10 451                          |      |  |  |
| 17 486                                                                                                                      | 51 655                          | 88.92            | 93.45            | 4.91             | 0.4747 | 0.4989 | 0.0262 | 53.0            | 33 566                          | 10 453                          |      |  |  |
| 17 486                                                                                                                      | 52 660                          | 89.61            | 93.71            | 4.9              | 0.476  | 0.4978 | 0.026  | 52.4            | 33 566                          | 10 454                          |      |  |  |
| 17 486                                                                                                                      | 53 665                          | 90.11            | 93.9             | 4.89             | 0.4769 | 0.497  | 0.0259 | 52.0            | 33 566                          | 11 455                          |      |  |  |
| 17 486                                                                                                                      | 54 670                          | 90.47            | 94.04            | 4.89             | 0.4776 | 0.4965 | 0.0258 | 51.6            | 33 566                          | 11 456                          |      |  |  |
| 17 486                                                                                                                      | 55 675                          | 90.72            | 94.13            | 4.88             | 0.4781 | 0.4961 | 0.0257 | 51.4            | 33 566                          | 11 457                          |      |  |  |
| 17 486                                                                                                                      | 56 680                          | 90.9             | 94.2             | 4.88             | 0.4784 | 0.4958 | 0.0257 | 51.2            | 33 566                          | 11 457                          |      |  |  |
| 17 486                                                                                                                      | 56 685                          | 90.9             | 94.2             | 4.88             | 0.4784 | 0.4958 | 0.0257 | 51.2            | 33 566                          | 11 457                          |      |  |  |
| 17 486                                                                                                                      | 58 690                          | 91.12            | 94.28            | 4.88             | 0.4788 | 0.4954 | 0.0256 | 51.0            | 33 566                          | 11 457                          |      |  |  |
| 380                                                                                                                         | 770                             | 101.75           | 100.0            | 64.44            | 0.3822 | 0.3756 | 0.2421 | 0.0             |                                 |                                 |      |  |  |

see similar files: <http://130.149.60.45/~farbmeterik/SN63/SN63L0NP.PDF> / .PS  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmeterik>

TUB registration: 20130201-SN63/SN63L0NP.PDF /.PS  
application for measurement of display output

TUB material: code=rha4ta

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for A00 and Y <sub>w,10</sub> =100, Y <sub>m</sub> =520_770 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |      |  |  |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|------|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                             | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 1 405                                                                                                                       | 34 570                          | 27.56            | 52.26            | 34.82            | 0.2404 | 0.4558 | 0.3037 | 166.6           | 17 487                          | 39 597                          | Cm   |  |  |
| 2 410                                                                                                                       | 34 570                          | 27.51            | 52.29            | 34.39            | 0.2409 | 0.4579 | 0.3011 | 166.1           | 17 488                          | 39 598                          |      |  |  |
| 3 415                                                                                                                       | 34 570                          | 27.4             | 52.32            | 33.67            | 0.2416 | 0.4614 | 0.2969 | 165.1           | 17 488                          | 39 599                          |      |  |  |
| 4 420                                                                                                                       | 34 570                          | 27.24            | 52.36            | 32.57            | 0.2428 | 0.4667 | 0.2903 | 163.7           | 17 488                          | 40 601                          |      |  |  |
| 4 425                                                                                                                       | 34 570                          | 27.32            | 52.44            | 32.57            | 0.2432 | 0.4667 | 0.2899 | 163.6           | 17 488                          | 40 602                          |      |  |  |
| 6 430                                                                                                                       | 34 570                          | 26.72            | 52.43            | 29.2             | 0.2466 | 0.4838 | 0.2694 | 159.1           | 18 490                          | 42 614                          |      |  |  |
| 7 435                                                                                                                       | 34 570                          | 26.38            | 52.46            | 26.9             | 0.2494 | 0.4961 | 0.2544 | 155.9           | 18 491                          | 47 639                          |      |  |  |
| 8 440                                                                                                                       | 34 570                          | 26.0             | 52.5             | 24.29            | 0.2529 | 0.5107 | 0.2362 | 152.1           | 18 493                          | -1 493c                         |      |  |  |
| 8 445                                                                                                                       | 34 570                          | 26.18            | 52.67            | 24.29            | 0.2538 | 0.5106 | 0.2355 | 152.0           | 18 493                          | -1 493c                         |      |  |  |
| 9 450                                                                                                                       | 34 571                          | 25.87            | 52.77            | 21.46            | 0.2584 | 0.5271 | 0.2144 | 147.8           | 19 495                          | -1 495c                         |      |  |  |
| 11 455                                                                                                                      | 34 571                          | 25.17            | 52.77            | 15.61            | 0.269  | 0.564  | 0.1668 | 139.0           | 20 501                          | -1 501c                         |      |  |  |
| 12 460                                                                                                                      | 34 572                          | 25.18            | 52.99            | 12.78            | 0.2768 | 0.5826 | 0.1405 | 134.6           | 21 505                          | -1 505c                         |      |  |  |
| 13 465                                                                                                                      | 34 573                          | 25.59            | 53.47            | 10.16            | 0.2867 | 0.5992 | 0.1139 | 130.3           | 22 512                          | -1 512c                         |      |  |  |
| 14 470                                                                                                                      | 34 574                          | 26.64            | 54.4             | 7.89             | 0.2995 | 0.6116 | 0.0887 | 126.3           | 24 520                          | -1 520c                         |      |  |  |
| 15 475                                                                                                                      | 35 576                          | 28.78            | 55.98            | 6.04             | 0.3169 | 0.6164 | 0.0665 | 122.5           | 25 528                          | -1 528c                         | Gm   |  |  |
| 16 480                                                                                                                      | 36 581                          | 33.1             | 59.09            | 4.58             | 0.342  | 0.6105 | 0.0474 | 118.0           | 27 537                          | -1 537c                         |      |  |  |
| 17 485                                                                                                                      | 37 588                          | 41.89            | 64.82            | 3.45             | 0.3802 | 0.5884 | 0.0313 | 111.2           | 29 547                          | -1 547c                         |      |  |  |
| 18 490                                                                                                                      | 41 609                          | 67.88            | 78.98            | 2.58             | 0.4542 | 0.5284 | 0.0173 | 88.5            | 32 561                          | -1 561c                         |      |  |  |
| 19 495                                                                                                                      | -1 495c                         | 105.71           | 94.47            | 1.92             | 0.523  | 0.4674 | 0.0095 | 40.5            | 34 573                          | 13 465                          |      |  |  |
| 20 500                                                                                                                      | -1 500c                         | 105.69           | 93.13            | 1.41             | 0.5278 | 0.4651 | 0.007  | 37.6            | 34 573                          | 13 468                          |      |  |  |
| 21 505                                                                                                                      | -1 505c                         | 105.61           | 91.52            | 1.03             | 0.5329 | 0.4618 | 0.0052 | 34.3            | 34 574                          | 14 470                          |      |  |  |
| 21 510                                                                                                                      | -1 509c                         | 105.61           | 91.52            | 1.03             | 0.5329 | 0.4618 | 0.0052 | 34.3            | 34 574                          | 14 470                          |      |  |  |
| 22 515                                                                                                                      | -1 514c                         | 105.45           | 89.59            | 0.74             | 0.5385 | 0.4576 | 0.0038 | 30.5            | 35 575                          | 14 472                          |      |  |  |
| 24 520                                                                                                                      | -1 520c                         | 104.68           | 84.75            | 0.35             | 0.5515 | 0.4465 | 0.0018 | 22.0            | 35 577                          | 15 476                          | Ym   |  |  |
| 24 525                                                                                                                      | -1 524c                         | 104.68           | 84.75            | 0.35             | 0.5515 | 0.4465 | 0.0018 | 22.0            | 35 577                          | 15 476                          |      |  |  |
| 25 530                                                                                                                      | -1 529c                         | 103.98           | 81.86            | 0.23             | 0.5588 | 0.4399 | 0.0012 | 17.5            | 35 578                          | 15 477                          |      |  |  |
| 27 535                                                                                                                      | -1 535c                         | 101.75           | 75.17            | 0.07             | 0.5748 | 0.4246 | 0.0004 | 8.6             | 36 581                          | 16 480                          |      |  |  |
| 27 540                                                                                                                      | -1 539c                         | 101.75           | 75.17            | 0.07             | 0.5748 | 0.4246 | 0.0004 | 8.6             | 36 581                          | 16 480                          |      |  |  |
| 29 545                                                                                                                      | -1 545c                         | 98.18            | 67.47            | 0.01             | 0.5926 | 0.4072 | 0.0    | 0.5             | 37 585                          | 16 483                          |      |  |  |
| 30 550                                                                                                                      | -1 550c                         | 95.8             | 63.33            | 0.0              | 0.602  | 0.3979 | 0.0    | 356.9           | 37 587                          | 16 484                          |      |  |  |
| 31 555                                                                                                                      | -1 555c                         | 92.94            | 59.02            | 0.0              | 0.6116 | 0.3883 | 0.0    | 353.7           | 37 589                          | 17 485                          |      |  |  |
| 32 560                                                                                                                      | -1 560c                         | 89.59            | 54.59            | 0.0              | 0.6213 | 0.3786 | 0.0    | 350.9           | 38 592                          | 17 486                          |      |  |  |
| 33 565                                                                                                                      | -1 565c                         | 85.71            | 50.11            | 0.0              | 0.631  | 0.3689 | 0.0    | 348.3           | 39 595                          | 17 487                          |      |  |  |
| 34 570                                                                                                                      | -1 570c                         | 81.33            | 45.63            | 0.0              | 0.6405 | 0.3594 | 0.0    | 346.2           | 39 597                          | 17 488                          |      |  |  |
| 35 575                                                                                                                      | 14 471                          | 81.38            | 42.82            | 26.85            | 0.5387 | 0.2834 | 0.1777 | 305.5           | -1 521c                         | 24 521                          |      |  |  |
| 36 580                                                                                                                      | 15 479                          | 76.37            | 39.24            | 29.63            | 0.5258 | 0.2701 | 0.204  | 298.8           | -1 536c                         | 27 536                          |      |  |  |
| 37 585                                                                                                                      | 16 483                          | 70.68            | 35.53            | 30.73            | 0.5161 | 0.2594 | 0.2244 | 293.9           | -1 543c                         | 28 543                          |      |  |  |
| 38 590                                                                                                                      | 17 485                          | 64.61            | 31.82            | 31.35            | 0.5056 | 0.249  | 0.2453 | 289.1           | -1 549c                         | 29 549                          |      |  |  |
| 38 595                                                                                                                      | 17 487                          | 64.62            | 32.09            | 31.69            | 0.5032 | 0.2499 | 0.2467 | 288.4           | -1 549c                         | 29 549                          |      |  |  |
| 40 600                                                                                                                      | 17 488                          | 51.96            | 24.84            | 31.93            | 0.4778 | 0.2284 | 0.2936 | 278.5           | -1 556c                         | 31 556                          |      |  |  |
| 41 605                                                                                                                      | 17 489                          | 45.7             | 21.68            | 32.11            | 0.4593 | 0.2178 | 0.3227 | 272.5           | -1 559c                         | 31 559                          |      |  |  |
| 42 610                                                                                                                      | 18 490                          | 39.7             | 18.79            | 32.24            | 0.4375 | 0.207  | 0.3553 | 266.1           | -1 562c                         | 32 562                          |      |  |  |
| 43 615                                                                                                                      | 18 490                          | 34.07            | 16.21            | 32.31            | 0.4125 | 0.1962 | 0.3912 | 259.5           | -1 564c                         | 32 564                          |      |  |  |
| 44 620                                                                                                                      | 18 490                          | 28.93            | 13.92            | 32.37            | 0.3845 | 0.1851 | 0.4302 | 253.2           | -1 565c                         | 33 565                          |      |  |  |
| 45 625                                                                                                                      | 18 491                          | 24.34            | 11.94            | 32.41            | 0.3543 | 0.1738 | 0.4717 | 247.3           | -1 567c                         | 33 567                          |      |  |  |
| 46 630                                                                                                                      | 18 491                          | 20.38            | 10.27            | 32.44            | 0.323  | 0.1628 | 0.5141 | 242.2           | -1 568c                         | 33 568                          |      |  |  |
| 47 635                                                                                                                      | 18 491                          | 17.07            | 8.92             | 32.48            | 0.2919 | 0.1525 | 0.5554 | 237.8           | -1 569c                         | 33 569                          |      |  |  |
| 48 640                                                                                                                      | 18 491                          | 14.35            | 7.83             | 32.5             | 0.2624 | 0.1432 | 0.5942 | 234.2           | 2 411                           | 34 570                          |      |  |  |
| 49 645                                                                                                                      | 18 492                          | 12.16            | 6.97             | 32.53            | 0.2354 | 0.135  | 0.6295 | 231.4           | 8 442                           | 34 570                          |      |  |  |
| 50 650                                                                                                                      | 18 492                          | 10.43            | 6.3              | 32.54            | 0.2117 | 0.1278 | 0.6603 | 229.2           | 10 451                          | 34 571                          |      |  |  |
| 51 655                                                                                                                      | 18 492                          | 9.1              | 5.78             | 32.54            | 0.1918 | 0.1219 | 0.6861 | 227.6           | 11 455                          | 34 571                          |      |  |  |
| 51 660                                                                                                                      | 18 492                          | 9.1              | 5.79             | 32.55            | 0.1918 | 0.122  | 0.6861 | 227.5           | 11 456                          | 34 571                          |      |  |  |
| 52 665                                                                                                                      | 18 492                          | 8.09             | 5.4              | 32.56            | 0.1757 | 0.1172 | 0.7069 | 226.3           | 11 458                          | 34 571                          |      |  |  |
| 54 670                                                                                                                      | 18 492                          | 6.79             | 4.89             | 32.56            | 0.1534 | 0.1106 | 0.7359 | 224.7           | 12 461                          | 34 572                          |      |  |  |
| 54 675                                                                                                                      | 18 492                          | 6.79             | 4.89             | 32.56            | 0.1534 | 0.1106 | 0.7358 | 224.7           | 12 461                          | 34 572                          |      |  |  |
| 56 680                                                                                                                      | 18 492                          | 6.1              | 4.63             | 32.56            | 0.141  | 0.1069 | 0.7519 | 223.9           | 12 462                          | 34 572                          |      |  |  |
| 57 689                                                                                                                      | 18 492                          | 5.9              | 4.55             | 32.56            | 0.1372 | 0.1058 | 0.7568 | 223.7           | 12 462                          | 34 572                          |      |  |  |
| 58 690                                                                                                                      | 18 492                          | 5.76             | 4.5              | 32.56            | 0.1345 | 0.105  | 0.7603 | 223.5           | 12 462                          | 34 572                          |      |  |  |
| 380                                                                                                                         | 770                             | 111.15           | 99.99            | 35.19            | 0.4511 | 0.4059 | 0.1428 | 0.0             |                                 |                                 |      |  |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for A00 and Y <sub>w,10</sub> =100, B <sub>m</sub> =380_520 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |      |  |  |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|------|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                             | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 34 570                                                                                                                      | 1 405                           | 83.58            | 47.73            | 0.37             | 0.6346 | 0.3624 | 0.0028 | 346.6           | 39 597                          | 17 487                          | Rm   |  |  |
| 34 570                                                                                                                      | 2 410                           | 83.63            | 47.7             | 0.8              | 0.6329 | 0.361  | 0.006  | 346.1           | 39 598                          | 17 488                          |      |  |  |
| 34 570                                                                                                                      | 3 415                           | 83.74            | 47.67            | 1.52             | 0.6298 | 0.3585 | 0.0115 | 345.1           | 39 599                          | 17 488                          |      |  |  |
| 34 570                                                                                                                      | 4 420                           | 83.9             | 47.63            | 2.62             | 0.6254 | 0.355  | 0.0195 | 343.7           | 40 601                          | 17 488                          |      |  |  |
| 34 570                                                                                                                      | 4 425                           | 83.82            | 47.55            | 2.62             | 0.6255 | 0.3549 | 0.0195 | 343.6           | 40 602                          | 17 488                          |      |  |  |
| 34 570                                                                                                                      | 6 430                           | 84.42            | 47.56            | 5.99             | 0.6118 | 0.3446 | 0.0434 | 339.1           | 42 614                          | 18 490                          |      |  |  |
| 34 570                                                                                                                      | 7 435                           | 84.76            | 47.53            | 8.29             | 0.6029 | 0.338  | 0.0589 | 335.9           | 47 639                          | 18 491                          |      |  |  |
| 34 570                                                                                                                      | 8 440                           | 85.14            | 47.49            | 10.9             | 0.5931 | 0.3308 | 0.0759 | 332.1           | -1 493c                         | 18 493                          |      |  |  |
| 34 570                                                                                                                      | 8 445                           | 84.96            | 47.32            | 10.9             | 0.5933 | 0.3304 | 0.0761 | 332.0           | -1 493c                         | 18 493                          |      |  |  |
| 34 571                                                                                                                      | 9 450                           | 85.27            | 47.22            | 13.73            | 0.5831 | 0.3229 | 0.0939 | 327.8           | -1 495c                         | 19 495                          |      |  |  |
| 34 571                                                                                                                      | 11 455                          | 85.97            | 47.22            | 19.58            | 0.5627 | 0.309  | 0.1282 | 319.0           | -1 501c                         | 20 501                          |      |  |  |
| 34 572                                                                                                                      | 12 460                          | 85.96            | 47.0             | 22.41            | 0.5532 | 0.3024 | 0.1442 | 314.6           | -1 505c                         | 21 505                          |      |  |  |
| 34 573                                                                                                                      | 13 465                          | 85.55            | 46.52            | 25.03            | 0.5445 | 0.2961 | 0.1593 | 310.4           | -1 512c                         | 22 512                          |      |  |  |
| 34 574                                                                                                                      | 14 470                          | 84.5             | 45.59            | 27.3             | 0.5368 | 0.2896 | 0.1734 | 306.4           | -1 520c                         | 24 520                          |      |  |  |
| 35 576                                                                                                                      | 15 475                          | 82.36            | 44.01            | 29.15            | 0.5295 | 0.2829 | 0.1874 | 302.5           | -1 528c                         | 25 528                          | Mm   |  |  |
| 36 581                                                                                                                      | 16 480                          | 78.04            | 40.9             | 30.61            | 0.5218 | 0.2735 | 0.2046 | 298.1           | -1 537c                         | 27 537                          |      |  |  |
| 37 588                                                                                                                      | 17 485                          | 69.25            | 35.17            | 31.74            | 0.5086 | 0.2582 | 0.2331 | 291.2           | -1 547c                         | 29 547                          |      |  |  |
| 41 609                                                                                                                      | 18 490                          | 43.26            | 21.01            | 32.61            | 0.4465 | 0.2169 | 0.3365 | 268.6           | -1 561c                         | 32 561                          |      |  |  |
| -1 495c                                                                                                                     | 19 495                          | 5.43             | 5.52             | 33.27            | 0.1228 | 0.1248 | 0.7523 | 220.5           | 13 465                          | 34 573                          |      |  |  |
| -1 500c                                                                                                                     | 20 500                          | 5.45             | 6.86             | 33.78            | 0.1184 | 0.1488 | 0.7327 | 217.6           | 13 468                          | 34 573                          |      |  |  |
| -1 505c                                                                                                                     | 21 505                          | 5.53             | 8.47             | 34.16            | 0.1148 | 0.1759 | 0.7091 | 214.3           | 14 470                          | 34 574                          |      |  |  |
| -1 509c                                                                                                                     | 21 510                          | 5.53             | 8.47             | 34.16            | 0.1148 | 0.1759 | 0.7091 | 214.3           | 14 470                          | 34 574                          |      |  |  |
| -1 514c                                                                                                                     | 22 515                          | 5.69             | 10.4             | 34.45            | 0.1127 | 0.2057 | 0.6815 | 210.6           | 14 472                          | 35 575                          |      |  |  |
| -1 520c                                                                                                                     | 24 520                          | 6.46             | 15.24            | 34.84            | 0.1143 | 0.2695 | 0.616  | 202.0           | 15 476                          | 35 577                          | Bm   |  |  |
| -1 524c                                                                                                                     | 24 525                          | 6.46             | 15.24            | 34.84            | 0.1143 | 0.2695 | 0.616  | 202.0           | 15 476                          | 35 577                          |      |  |  |
| -1 529c                                                                                                                     | 25 530                          | 7.16             | 18.13            | 34.96            | 0.1189 | 0.3009 | 0.5801 | 197.5           | 15 477                          | 35 578                          |      |  |  |
| -1 535c                                                                                                                     | 27 535                          | 9.39             | 24.82            | 35.12            | 0.1354 | 0.358  | 0.5065 | 188.6           | 16 480                          | 36 581                          |      |  |  |
| -1 539c                                                                                                                     | 27 540                          | 9.39             | 24.82            | 35.12            | 0.1354 | 0.358  | 0.5065 | 188.6           | 16 480                          | 36 581                          |      |  |  |
| -1 545c                                                                                                                     | 29 545                          | 12.96            | 32.52            | 35.18            | 0.1606 | 0.4031 | 0.4361 | 180.5           | 16 483                          | 37 585                          |      |  |  |
| -1 550c                                                                                                                     | 30 550                          | 15.34            | 36.66            | 35.19            | 0.1759 | 0.4204 | 0.4035 | 176.9           | 16 484                          | 37 587                          |      |  |  |
| -1 555c                                                                                                                     | 31 555                          | 18.2             | 40.97            | 35.19            | 0.1928 | 0.4341 | 0.3729 | 173.7           | 17 485                          | 37 589                          |      |  |  |
| -1 560c                                                                                                                     | 32 560                          | 21.55            | 45.4             | 35.19            | 0.211  | 0.4444 | 0.3445 | 170.8           | 17 486                          | 38 592                          |      |  |  |
| -1 565c                                                                                                                     | 33 565                          | 25.43            | 49.88            | 35.19            | 0.2301 | 0.4513 | 0.3184 | 168.3           | 17 487                          | 39 595                          |      |  |  |
| -1 570c                                                                                                                     | 34 570                          | 29.81            | 54.36            | 35.19            | 0.2497 | 0.4553 | 0.2948 | 166.1           | 17 488                          | 39 597                          |      |  |  |
| 14 471                                                                                                                      | 35 575                          | 29.76            | 57.17            | 8.34             | 0.3123 | 0.6    | 0.0875 | 125.5           | 24 521                          | -1 521c                         |      |  |  |
| 15 479                                                                                                                      | 36 580                          | 34.77            | 60.75            | 5.56             | 0.3439 | 0.6009 | 0.055  | 118.7           | 27 536                          | -1 536c                         |      |  |  |
| 16 483                                                                                                                      | 37 585                          | 40.46            | 64.46            | 4.46             | 0.3698 | 0.5893 | 0.0407 | 113.8           | 28 543                          | -1 543c                         |      |  |  |
| 17 485                                                                                                                      | 38 590                          | 46.53            | 68.17            | 3.84             | 0.3925 | 0.575  | 0.0324 | 109.1           | 29 549                          | -1 549c                         |      |  |  |
| 17 487                                                                                                                      | 38 595                          | 46.52            | 67.9             | 3.5              | 0.3944 | 0.5757 | 0.0297 | 108.4           | 29 549                          | -1 549c                         |      |  |  |
| 17 488                                                                                                                      | 40 600                          | 59.18            | 75.15            | 3.26             | 0.4301 | 0.5461 | 0.0237 | 98.5            | 31 556                          | -1 556c                         |      |  |  |
| 17 489                                                                                                                      | 41 605                          | 65.44            | 78.31            | 3.08             | 0.4456 | 0.5333 | 0.021  | 92.4            | 31 559                          | -1 559c                         |      |  |  |
| 18 490                                                                                                                      | 42 610                          | 71.44            | 81.2             | 2.95             | 0.4591 | 0.5218 | 0.019  | 86.0            | 32 562                          | -1 562c                         |      |  |  |
| 18 490                                                                                                                      | 43 615                          | 77.07            | 83.78            | 2.88             | 0.4706 | 0.5117 | 0.0175 | 79.4            | 32 564                          | -1 564c                         |      |  |  |
| 18 490                                                                                                                      | 44 620                          | 82.21            | 86.07            | 2.82             | 0.4804 | 0.503  | 0.0165 | 73.1            | 33 565                          | -1 565c                         |      |  |  |
| 18 491                                                                                                                      | 45 625                          | 86.8             | 88.05            | 2.78             | 0.4886 | 0.4956 | 0.0156 | 67.3            | 33 567                          | -1 567c                         |      |  |  |
| 18 491                                                                                                                      | 46 630                          | 90.76            | 89.72            | 2.75             | 0.4953 | 0.4896 | 0.015  | 62.1            | 33 568                          | -1 568c                         |      |  |  |
| 18 491                                                                                                                      | 47 635                          | 94.07            | 91.07            | 2.71             | 0.5007 | 0.4847 | 0.0144 | 57.8            | 33 569                          | -1 569c                         |      |  |  |
| 18 491                                                                                                                      | 48 640                          | 96.79            | 92.16            | 2.69             | 0.505  | 0.4808 | 0.014  | 54.2            | 34 570                          | 2 411                           |      |  |  |
| 18 492                                                                                                                      | 49 645                          | 98.98            | 93.02            | 2.66             | 0.5084 | 0.4778 | 0.0137 | 51.4            | 34 570                          | 8 442                           |      |  |  |
| 18 492                                                                                                                      | 50 650                          | 100.71           | 93.69            | 2.65             | 0.511  | 0.4754 | 0.0134 | 49.2            | 34 571                          | 10 451                          |      |  |  |
| 18 492                                                                                                                      | 51 655                          | 102.04           | 94.21            | 2.64             | 0.513  | 0.4736 | 0.0133 | 47.5            | 34 571                          | 11 455                          |      |  |  |
| 18 492                                                                                                                      | 51 660                          | 102.04           | 94.2             | 2.64             | 0.513  | 0.4736 | 0.0132 | 47.5            | 34 571                          | 11 456                          |      |  |  |
| 18 492                                                                                                                      | 52 665                          | 103.05           | 94.59            | 2.63             | 0.5145 | 0.4723 | 0.0131 | 46.2            | 34 571                          | 11 458                          |      |  |  |
| 18 492                                                                                                                      | 54 670                          | 104.35           | 95.1             | 2.63             | 0.5163 | 0.4705 | 0.013  | 44.7            | 34 572                          | 12 461                          |      |  |  |
| 18 492                                                                                                                      | 54 675                          | 104.35           | 95.1             | 2.63             | 0.5163 | 0.4705 | 0.013  | 44.7            | 34 572                          | 12 461                          |      |  |  |
| 18 492                                                                                                                      | 56 680                          | 105.04           | 95.36            | 2.63             | 0.5173 | 0.4696 | 0.0129 | 43.9            | 34 572                          | 12 462                          |      |  |  |
| 18 492                                                                                                                      | 57 685                          | 105.24           | 95.44            | 2.63             | 0.5176 | 0.4694 | 0.0129 | 43.6            | 34 572                          | 12 462                          |      |  |  |
| 18 492                                                                                                                      | 58 690                          | 105.38           | 95.49            | 2.62             | 0.5178 | 0.4692 | 0.0129 | 43.4            | 34 572                          | 12 462                          |      |  |  |
| 380                                                                                                                         | 770                             | 111.15           | 99.99            | 35.19            | 0.4511 | 0.4059 | 0.1428 | 0.0             |                                 |                                 |      |  |  |



see similar files: <http://130.149.60.45/~farbmetrik/SN63/SN63.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-SN63/SN63L0NP.PDF /.PS  
application for measurement of display output

TUB material: code=rha4ta

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for E00 and Y <sub>w,10</sub> =100, Y <sub>m</sub> =520_770 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |      |  |  |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|------|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                             | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 1 405                                                                                                                       | 31 559                          | 31.81            | 55.67            | 97.76            | 0.1717 | 0.3005 | 0.5277 | 191.4           | 15 477                          | 37 589                          | Cm   |  |  |
| 2 410                                                                                                                       | 31 559                          | 31.42            | 55.75            | 95.52            | 0.172  | 0.3051 | 0.5228 | 189.9           | 15 477                          | 38 591                          |      |  |  |
| 3 415                                                                                                                       | 31 559                          | 30.79            | 55.83            | 92.02            | 0.1723 | 0.3125 | 0.5151 | 187.3           | 15 478                          | 38 594                          |      |  |  |
| 4 420                                                                                                                       | 32 560                          | 29.94            | 55.91            | 87.19            | 0.173  | 0.3231 | 0.5038 | 183.6           | 15 479                          | 39 599                          |      |  |  |
| 5 425                                                                                                                       | 32 560                          | 28.87            | 55.98            | 81.11            | 0.1739 | 0.3373 | 0.4887 | 178.5           | 16 480                          | 42 611                          |      |  |  |
| 6 430                                                                                                                       | 32 560                          | 27.62            | 56.03            | 73.93            | 0.1752 | 0.3555 | 0.4691 | 171.9           | 16 482                          | 58 690                          |      |  |  |
| 7 435                                                                                                                       | 32 561                          | 26.26            | 56.07            | 65.86            | 0.1772 | 0.3783 | 0.4444 | 163.8           | 16 484                          | -1 484c                         |      |  |  |
| 8 440                                                                                                                       | 32 561                          | 24.89            | 56.13            | 57.3             | 0.1799 | 0.4057 | 0.4142 | 154.6           | 17 486                          | -1 486c                         |      |  |  |
| 9 445                                                                                                                       | 32 562                          | 23.64            | 56.24            | 48.68            | 0.1839 | 0.4374 | 0.3786 | 145.1           | 17 489                          | -1 489c                         |      |  |  |
| 10 450                                                                                                                      | 32 562                          | 22.59            | 56.42            | 40.33            | 0.1893 | 0.4727 | 0.3379 | 135.9           | 18 493                          | -1 493c                         |      |  |  |
| 11 455                                                                                                                      | 32 563                          | 21.94            | 56.82            | 32.52            | 0.1971 | 0.5105 | 0.2922 | 127.5           | 19 499                          | -1 499c                         |      |  |  |
| 12 460                                                                                                                      | 33 565                          | 21.82            | 57.5             | 25.45            | 0.2082 | 0.5488 | 0.2429 | 120.1           | 21 506                          | -1 506c                         |      |  |  |
| 13 465                                                                                                                      | 33 568                          | 22.86            | 58.96            | 19.29            | 0.2261 | 0.583  | 0.1908 | 113.2           | 23 515                          | -1 515c                         |      |  |  |
| 13 470                                                                                                                      | 34 572                          | 26.58            | 62.72            | 19.29            | 0.2447 | 0.5775 | 0.1776 | 109.9           | 24 520                          | -1 520c                         |      |  |  |
| 14 475                                                                                                                      | 36 581                          | 33.17            | 68.2             | 14.26            | 0.2868 | 0.5897 | 0.1233 | 100.2           | 26 532                          | -1 532c                         | Gm   |  |  |
| 16 480                                                                                                                      | 40 604                          | 54.71            | 80.28            | 7.52             | 0.3839 | 0.5632 | 0.0528 | 77.5            | 30 551                          | -1 551c                         |      |  |  |
| 17 485                                                                                                                      | -1 485c                         | 83.11            | 91.81            | 5.41             | 0.4608 | 0.5091 | 0.03   | 54.0            | 32 564                          | 11 456                          |      |  |  |
| 18 490                                                                                                                      | -1 490c                         | 83.06            | 90.24            | 3.87             | 0.4688 | 0.5093 | 0.0218 | 52.3            | 32 564                          | 11 458                          |      |  |  |
| 19 495                                                                                                                      | -1 495c                         | 83.04            | 88.4             | 2.76             | 0.4766 | 0.5074 | 0.0158 | 50.5            | 33 565                          | 12 460                          |      |  |  |
| 20 500                                                                                                                      | -1 500c                         | 83.0             | 86.28            | 1.95             | 0.4847 | 0.5038 | 0.0113 | 48.3            | 33 566                          | 12 462                          |      |  |  |
| 21 505                                                                                                                      | -1 505c                         | 82.89            | 83.84            | 1.37             | 0.4931 | 0.4987 | 0.0081 | 45.9            | 33 567                          | 12 464                          |      |  |  |
| 22 510                                                                                                                      | -1 510c                         | 82.66            | 81.07            | 0.95             | 0.5019 | 0.4922 | 0.0057 | 43.2            | 33 569                          | 13 466                          |      |  |  |
| 23 515                                                                                                                      | -1 515c                         | 82.25            | 77.97            | 0.64             | 0.5113 | 0.4846 | 0.004  | 40.3            | 34 570                          | 13 468                          |      |  |  |
| 23 520                                                                                                                      | -1 519c                         | 82.25            | 77.97            | 0.64             | 0.5113 | 0.4846 | 0.004  | 40.3            | 34 570                          | 13 468                          | Ym   |  |  |
| 25 525                                                                                                                      | -1 525c                         | 80.75            | 70.93            | 0.26             | 0.5314 | 0.4668 | 0.0017 | 33.9            | 34 573                          | 14 470                          |      |  |  |
| 25 530                                                                                                                      | -1 529c                         | 80.75            | 70.93            | 0.26             | 0.5314 | 0.4668 | 0.0017 | 33.9            | 34 573                          | 14 470                          |      |  |  |
| 27 535                                                                                                                      | -1 535c                         | 78.13            | 63.03            | 0.08             | 0.5531 | 0.4462 | 0.0006 | 27.1            | 35 577                          | 14 473                          |      |  |  |
| 27 540                                                                                                                      | -1 539c                         | 78.13            | 63.03            | 0.08             | 0.5531 | 0.4462 | 0.0006 | 27.1            | 35 577                          | 14 473                          |      |  |  |
| 29 545                                                                                                                      | -1 545c                         | 74.25            | 54.64            | 0.01             | 0.576  | 0.4238 | 0.0001 | 20.4            | 36 582                          | 15 475                          |      |  |  |
| 29 550                                                                                                                      | -1 549c                         | 74.25            | 54.64            | 0.01             | 0.576  | 0.4238 | 0.0001 | 20.4            | 36 582                          | 15 475                          |      |  |  |
| 31 555                                                                                                                      | -1 555c                         | 68.97            | 46.09            | 0.0              | 0.5993 | 0.4005 | 0.0    | 14.1            | 37 587                          | 15 476                          |      |  |  |
| 32 560                                                                                                                      | 3 415                           | 67.16            | 41.99            | 6.5              | 0.5806 | 0.3631 | 0.0562 | 6.8             | 39 595                          | 15 478                          |      |  |  |
| 33 565                                                                                                                      | 11 459                          | 75.75            | 40.3             | 69.82            | 0.4075 | 0.2168 | 0.3756 | 302.5           | -1 503c                         | 20 503                          |      |  |  |
| 34 570                                                                                                                      | 13 467                          | 73.58            | 37.44            | 80.68            | 0.3838 | 0.1953 | 0.4208 | 290.1           | -1 519c                         | 23 519                          |      |  |  |
| 35 575                                                                                                                      | 14 471                          | 69.99            | 34.34            | 85.06            | 0.3695 | 0.1813 | 0.4491 | 283.4           | -1 528c                         | 25 528                          |      |  |  |
| 36 580                                                                                                                      | 14 474                          | 65.82            | 31.23            | 87.5             | 0.3566 | 0.1692 | 0.474  | 278.1           | -1 535c                         | 27 535                          |      |  |  |
| 37 585                                                                                                                      | 15 476                          | 61.28            | 28.18            | 88.84            | 0.3436 | 0.158  | 0.4982 | 273.4           | -1 539c                         | 27 539                          |      |  |  |
| 38 590                                                                                                                      | 15 477                          | 56.54            | 25.26            | 89.72            | 0.3296 | 0.1473 | 0.523  | 268.9           | -1 543c                         | 28 543                          |      |  |  |
| 38 595                                                                                                                      | 15 478                          | 56.61            | 25.48            | 90.38            | 0.3282 | 0.1477 | 0.524  | 268.4           | -1 544c                         | 28 544                          |      |  |  |
| 39 600                                                                                                                      | 15 479                          | 51.82            | 22.69            | 90.89            | 0.3133 | 0.1372 | 0.5494 | 264.2           | -1 547c                         | 29 547                          |      |  |  |
| 40 605                                                                                                                      | 16 480                          | 47.12            | 20.14            | 91.28            | 0.2972 | 0.127  | 0.5757 | 260.1           | -1 550c                         | 30 550                          |      |  |  |
| 41 610                                                                                                                      | 16 480                          | 42.6             | 17.86            | 91.52            | 0.2802 | 0.1175 | 0.6021 | 256.2           | -1 552c                         | 30 552                          |      |  |  |
| 42 615                                                                                                                      | 16 480                          | 38.36            | 15.84            | 91.7             | 0.2629 | 0.1085 | 0.6284 | 252.6           | -1 554c                         | 30 554                          |      |  |  |
| 44 620                                                                                                                      | 16 481                          | 31.05            | 12.48            | 91.83            | 0.2293 | 0.0922 | 0.6783 | 246.7           | -1 557c                         | 31 557                          |      |  |  |
| 45 625                                                                                                                      | 16 481                          | 28.05            | 11.2             | 91.92            | 0.2138 | 0.0853 | 0.7007 | 244.2           | -1 559c                         | 31 559                          |      |  |  |
| 46 630                                                                                                                      | 16 481                          | 25.52            | 10.15            | 92.02            | 0.1998 | 0.0795 | 0.7206 | 242.2           | 3 419                           | 32 560                          |      |  |  |
| 46 635                                                                                                                      | 16 481                          | 25.53            | 10.19            | 92.1             | 0.1997 | 0.0797 | 0.7205 | 242.2           | 4 420                           | 32 560                          |      |  |  |
| 48 640                                                                                                                      | 16 481                          | 21.8             | 8.67             | 92.17            | 0.1777 | 0.0706 | 0.7515 | 239.3           | 8 441                           | 32 561                          |      |  |  |
| 49 645                                                                                                                      | 16 482                          | 20.49            | 8.16             | 92.22            | 0.1695 | 0.0675 | 0.7628 | 238.3           | 9 445                           | 32 562                          |      |  |  |
| 50 650                                                                                                                      | 16 482                          | 19.48            | 7.77             | 92.25            | 0.163  | 0.065  | 0.7718 | 237.6           | 9 448                           | 32 562                          |      |  |  |
| 51 655                                                                                                                      | 16 482                          | 18.72            | 7.48             | 92.27            | 0.158  | 0.0631 | 0.7788 | 237.0           | 9 449                           | 32 562                          |      |  |  |
| 52 660                                                                                                                      | 16 482                          | 18.15            | 7.27             | 92.29            | 0.1542 | 0.0617 | 0.784  | 236.6           | 10 450                          | 32 562                          |      |  |  |
| 53 665                                                                                                                      | 16 482                          | 17.74            | 7.11             | 92.3             | 0.1514 | 0.0607 | 0.7878 | 236.3           | 10 451                          | 32 563                          |      |  |  |
| 54 670                                                                                                                      | 16 482                          | 17.44            | 7.0              | 92.31            | 0.1494 | 0.0599 | 0.7906 | 236.0           | 10 452                          | 32 563                          |      |  |  |
| 55 675                                                                                                                      | 16 482                          | 17.23            | 6.92             | 92.31            | 0.1479 | 0.0594 | 0.7926 | 235.9           | 10 452                          | 32 563                          |      |  |  |
| 56 680                                                                                                                      | 16 482                          | 17.08            | 6.86             | 92.32            | 0.1469 | 0.059  | 0.794  | 235.8           | 10 452                          | 32 563                          |      |  |  |
| 57 689                                                                                                                      | 16 482                          | 16.98            | 6.82             | 92.32            | 0.1462 | 0.0587 | 0.7949 | 235.7           | 10 452                          | 32 563                          |      |  |  |
| 58 690                                                                                                                      | 16 482                          | 16.9             | 6.8              | 92.32            | 0.1457 | 0.0586 | 0.7956 | 235.6           | 10 453                          | 32 563                          |      |  |  |
| 380                                                                                                                         | 770                             | 99.99            | 99.99            | 100.0            | 0.3333 | 0.3333 | 0.3333 | 0.0             |                                 |                                 |      |  |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for E00 and Y <sub>w,10</sub> =100, B <sub>m</sub> =380_520 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |      |  |  |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|------|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                             | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 31 559                                                                                                                      | 1 405                           | 68.17            | 44.32            | 2.24             | 0.5941 | 0.3862 | 0.0195 | 11.4            | 37 589                          | 15 477                          | Rm   |  |  |
| 31 559                                                                                                                      | 2 410                           | 68.56            | 44.24            | 4.48             | 0.5845 | 0.3771 | 0.0382 | 9.8             | 38 591                          | 15 477                          |      |  |  |
| 31 559                                                                                                                      | 3 415                           | 69.19            | 44.16            | 7.98             | 0.5702 | 0.3639 | 0.0657 | 7.3             | 38 594                          | 15 478                          |      |  |  |
| 32 560                                                                                                                      | 4 420                           | 70.05            | 44.08            | 12.81            | 0.5518 | 0.3472 | 0.1009 | 3.6             | 39 599                          | 15 479                          |      |  |  |
| 32 560                                                                                                                      | 5 425                           | 71.11            | 44.01            | 18.89            | 0.5306 | 0.3283 | 0.1409 | 358.5           | 42 611                          | 16 480                          |      |  |  |
| 32 560                                                                                                                      | 6 430                           | 72.36            | 43.96            | 26.07            | 0.5081 | 0.3087 | 0.183  | 351.9           | 58 690                          | 16 482                          |      |  |  |
| 32 561                                                                                                                      | 7 435                           | 73.72            | 43.92            | 34.14            | 0.4857 | 0.2893 | 0.2249 | 343.9           | -1 484c                         | 16 484                          |      |  |  |
| 32 561                                                                                                                      | 8 440                           | 75.09            | 43.86            | 42.7             | 0.4645 | 0.2713 | 0.2641 | 334.7           | -1 486c                         | 17 486                          |      |  |  |
| 32 562                                                                                                                      | 9 445                           | 76.34            | 43.75            | 51.32            | 0.4453 | 0.2552 | 0.2994 | 325.1           | -1 489c                         | 17 489                          |      |  |  |
| 32 562                                                                                                                      | 10 450                          | 77.39            | 43.57            | 59.67            | 0.4284 | 0.2412 | 0.3303 | 315.9           | -1 493c                         | 18 493                          |      |  |  |
| 32 563                                                                                                                      | 11 455                          | 78.04            | 43.17            | 67.48            | 0.4135 | 0.2288 | 0.3576 | 307.5           | -1 499c                         | 19 499                          |      |  |  |
| 33 565                                                                                                                      | 12 460                          | 78.17            | 42.49            | 74.55            | 0.4004 | 0.2176 | 0.3819 | 300.1           | -1 506c                         | 21 506                          |      |  |  |
| 33 568                                                                                                                      | 13 465                          | 77.12            | 41.03            | 80.71            | 0.3878 | 0.2063 | 0.4058 | 293.2           | -1 515c                         | 23 515                          |      |  |  |
| 34 572                                                                                                                      | 13 470                          | 73.4             | 37.27            | 80.71            | 0.3835 | 0.1947 | 0.4217 | 289.9           | -1 520c                         | 24 520                          |      |  |  |
| 36 581                                                                                                                      | 14 475                          | 66.81            | 31.79            | 85.74            | 0.3624 | 0.1724 | 0.4651 | 280.2           | -1 532c                         | 26 532                          | Mm   |  |  |
| 40 604                                                                                                                      | 16 480                          | 45.27            | 19.71            | 92.48            | 0.2874 | 0.1252 | 0.5873 | 257.6           | -1 551c                         | 30 551                          |      |  |  |
| -1 485c                                                                                                                     | 17 485                          | 16.87            | 8.18             | 94.59            | 0.141  | 0.0683 | 0.7905 | 234.0           | 11 456                          | 32 564                          |      |  |  |
| -1 490c                                                                                                                     | 18 490                          | 16.92            | 9.75             | 96.13            | 0.1377 | 0.0794 | 0.7827 | 232.4           | 11 458                          | 32 564                          |      |  |  |
| -1 495c                                                                                                                     | 19 495                          | 16.94            | 11.59            | 97.24            | 0.1346 | 0.0921 | 0.7731 | 230.5           | 12 460                          | 33 565                          |      |  |  |
| -1 500c                                                                                                                     | 20 500                          | 16.98            | 13.71            | 98.05            | 0.1319 | 0.1065 | 0.7615 | 228.4           | 12 462                          | 33 566                          |      |  |  |
| -1 505c                                                                                                                     | 21 505                          | 17.09            | 16.15            | 98.63            | 0.1296 | 0.1225 | 0.7478 | 226.0           | 12 464                          | 33 567                          |      |  |  |
| -1 510c                                                                                                                     | 22 510                          | 17.33            | 18.92            | 99.05            | 0.128  | 0.1398 | 0.732  | 223.3           | 13 466                          | 33 569                          |      |  |  |
| -1 515c                                                                                                                     | 23 515                          | 17.73            | 22.02            | 99.36            | 0.1274 | 0.1583 | 0.7141 | 220.3           | 13 468                          | 34 570                          | Bm   |  |  |
| -1 519c                                                                                                                     | 23 520                          | 17.73            | 22.02            | 99.36            | 0.1274 | 0.1583 | 0.7141 | 220.3           | 13 468                          | 34 570                          |      |  |  |
| -1 525c                                                                                                                     | 25 525                          | 19.23            | 29.06            | 99.74            | 0.1299 | 0.1963 | 0.6737 | 213.9           | 14 470                          | 34 573                          |      |  |  |
| -1 529c                                                                                                                     | 25 530                          | 19.23            | 29.06            | 99.74            | 0.1299 | 0.1963 | 0.6737 | 213.9           | 14 470                          | 34 573                          |      |  |  |
| -1 535c                                                                                                                     | 27 535                          | 21.85            | 36.96            | 99.92            | 0.1376 | 0.2328 | 0.6294 | 207.1           | 14 473                          | 35 577                          |      |  |  |
| -1 539c                                                                                                                     | 27 540                          | 21.85            | 36.96            | 99.92            | 0.1376 | 0.2328 | 0.6294 | 207.1           | 14 473                          | 35 577                          |      |  |  |
| -1 545c                                                                                                                     | 29 545                          | 25.73            | 45.35            | 99.99            | 0.1504 | 0.2651 | 0.5844 | 200.4           | 15 475                          | 36 582                          |      |  |  |
| -1 549c                                                                                                                     | 29 550                          | 25.73            | 45.35            | 99.99            | 0.1504 | 0.2651 | 0.5844 | 200.4           | 15 475                          | 36 582                          |      |  |  |
| -1 555c                                                                                                                     | 31 555                          | 31.01            | 53.9             | 100.0            | 0.1677 | 0.2914 | 0.5407 | 194.1           | 15 476                          | 37 587                          |      |  |  |
| 3 415                                                                                                                       | 32 560                          | 32.82            | 58.0             | 93.5             | 0.178  | 0.3146 | 0.5072 | 186.8           | 15 478                          | 39 595                          |      |  |  |
| 11 459                                                                                                                      | 33 565                          | 24.23            | 59.69            | 30.18            | 0.2123 | 0.5231 | 0.2645 | 122.4           | 20 503                          | -1 503c                         |      |  |  |
| 13 467                                                                                                                      | 34 570                          | 26.4             | 62.55            | 19.32            | 0.2438 | 0.5776 | 0.1784 | 110.0           | 23 519                          | -1 519c                         |      |  |  |
| 14 471                                                                                                                      | 35 575                          | 29.99            | 65.65            | 14.94            | 0.2712 | 0.5936 | 0.1351 | 103.3           | 25 528                          | -1 528c                         |      |  |  |
| 14 474                                                                                                                      | 36 580                          | 34.16            | 68.76            | 12.5             | 0.2959 | 0.5957 | 0.1083 | 98.0            | 27 535                          | -1 535c                         |      |  |  |
| 15 476                                                                                                                      | 37 585                          | 38.7             | 71.81            | 11.16            | 0.3181 | 0.5901 | 0.0917 | 93.3            | 27 539                          | -1 539c                         |      |  |  |
| 15 477                                                                                                                      | 38 590                          | 43.44            | 74.73            | 10.28            | 0.3381 | 0.5817 | 0.08   | 88.8            | 28 543                          | -1 543c                         |      |  |  |
| 15 478                                                                                                                      | 38 595                          | 43.37            | 74.51            | 9.62             | 0.3401 | 0.5843 | 0.0754 | 88.4            | 28 544                          | -1 544c                         |      |  |  |
| 15 479                                                                                                                      | 39 600                          | 48.16            | 77.3             | 9.11             | 0.3578 | 0.5743 | 0.0677 | 84.1            | 29 547                          | -1 547c                         |      |  |  |
| 16 480                                                                                                                      | 40 605                          | 52.86            | 79.85            | 8.72             | 0.3737 | 0.5645 | 0.0616 | 80.0            | 30 550                          | -1 550c                         |      |  |  |
| 16 480                                                                                                                      | 41 610                          | 57.39            | 82.13            | 8.48             | 0.3877 | 0.5549 | 0.0573 | 76.1            | 30 552                          | -1 552c                         |      |  |  |
| 16 480                                                                                                                      | 42 615                          | 61.62            | 84.15            | 8.3              | 0.3999 | 0.5461 | 0.0539 | 72.5            | 30 554                          | -1 554c                         |      |  |  |
| 16 481                                                                                                                      | 44 620                          | 68.93            | 87.51            | 8.17             | 0.4187 | 0.5315 | 0.0496 | 66.6            | 31 557                          | -1 557c                         |      |  |  |
| 16 481                                                                                                                      | 45 625                          | 71.93            | 88.79            | 8.08             | 0.4261 | 0.526  | 0.0478 | 64.2            | 31 559                          | -1 559c                         |      |  |  |
| 16 481                                                                                                                      | 46 630                          | 74.46            | 89.84            | 7.98             | 0.4321 | 0.5214 | 0.0463 | 62.2            | 32 560                          | 3 419                           |      |  |  |
| 16 481                                                                                                                      | 46 635                          | 74.45            | 89.8             | 7.9              | 0.4324 | 0.5216 | 0.0459 | 62.1            | 32 560                          | 4 420                           |      |  |  |
| 16 481                                                                                                                      | 48 640                          | 78.18            | 91.32            | 7.83             | 0.4408 | 0.5149 | 0.0441 | 59.3            | 32 561                          | 8 441                           |      |  |  |
| 16 482                                                                                                                      | 49 645                          | 79.49            | 91.83            | 7.78             | 0.4438 | 0.5127 | 0.0434 | 58.3            | 32 562                          | 9 445                           |      |  |  |
| 16 482                                                                                                                      | 50 650                          | 80.5             | 92.22            | 7.75             | 0.446  | 0.5109 | 0.0429 | 57.5            | 32 562                          | 9 448                           |      |  |  |
| 16 482                                                                                                                      | 51 655                          | 81.26            | 92.51            | 7.73             | 0.4477 | 0.5096 | 0.0426 | 56.9            | 32 562                          | 9 449                           |      |  |  |
| 16 482                                                                                                                      | 52 660                          | 81.83            | 92.72            | 7.71             | 0.4489 | 0.5087 | 0.0423 | 56.5            | 32 562                          | 10 450                          |      |  |  |
| 16 482                                                                                                                      | 53 665                          | 82.24            | 92.88            | 7.7              | 0.4498 | 0.508  | 0.0421 | 56.2            | 32 563                          | 10 451                          |      |  |  |
| 16 482                                                                                                                      | 54 670                          | 82.54            | 92.99            | 7.69             | 0.4504 | 0.5075 | 0.042  | 56.0            | 32 563                          | 10 452                          |      |  |  |
| 16 482                                                                                                                      | 55 675                          | 82.75            | 93.07            | 7.68             | 0.4509 | 0.5071 | 0.0419 | 55.8            | 32 563                          | 10 452                          |      |  |  |
| 16 482                                                                                                                      | 56 680                          | 82.9             | 93.13            | 7.68             | 0.4512 | 0.5069 | 0.0418 | 55.7            | 32 563                          | 10 452                          |      |  |  |
| 16 482                                                                                                                      | 57 689                          | 83.01            | 93.17            | 7.68             | 0.4514 | 0.5067 | 0.0417 | 55.7            | 32 563                          | 10 452                          |      |  |  |
| 16 482                                                                                                                      | 58 690                          | 83.08            | 93.19            | 7.68             | 0.4516 | 0.5066 | 0.0417 | 55.6            | 32 563                          | 10 453                          |      |  |  |
| 380                                                                                                                         | 770                             | 99.99            | 99.99            | 100.0            | 0.3333 | 0.3333 | 0.3333 | 0.0             |                                 |                                 |      |  |  |

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application for measurement of display output

TUB material: code=rha4ta

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for C00 and Y <sub>w,10</sub> =100, Y <sub>m</sub> =520_770 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |      |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|------|--|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                             | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |  |
| 1 405                                                                                                                       | 31 556                          | 33.05            | 55.88            | 114.54           | 0.1624 | 0.2746 | 0.5629 | 196.7           | 15 475                          | 37 586                          | Cm   |  |  |  |
| 2 410                                                                                                                       | 31 556                          | 32.75            | 56.01            | 112.62           | 0.1626 | 0.2781 | 0.5592 | 195.4           | 15 476                          | 37 587                          |      |  |  |  |
| 3 415                                                                                                                       | 31 557                          | 32.2             | 56.14            | 109.33           | 0.1629 | 0.2839 | 0.553  | 193.3           | 15 476                          | 37 589                          |      |  |  |  |
| 4 420                                                                                                                       | 31 557                          | 31.35            | 56.27            | 104.42           | 0.1632 | 0.293  | 0.5437 | 190.0           | 15 477                          | 38 593                          |      |  |  |  |
| 5 425                                                                                                                       | 31 557                          | 30.2             | 56.39            | 97.81            | 0.1637 | 0.3058 | 0.5304 | 185.1           | 15 478                          | 40 601                          |      |  |  |  |
| 6 430                                                                                                                       | 31 558                          | 28.77            | 56.48            | 89.59            | 0.1645 | 0.323  | 0.5124 | 178.4           | 15 479                          | 44 621                          |      |  |  |  |
| 6 435                                                                                                                       | 31 558                          | 29.02            | 56.84            | 89.59            | 0.1654 | 0.3239 | 0.5106 | 178.0           | 16 480                          | 44 623                          |      |  |  |  |
| 8 440                                                                                                                       | 31 558                          | 25.44            | 56.64            | 69.59            | 0.1677 | 0.3734 | 0.4588 | 159.1           | 16 484                          | -1 484c                         |      |  |  |  |
| 8 445                                                                                                                       | 31 559                          | 25.85            | 57.22            | 69.59            | 0.1693 | 0.3748 | 0.4558 | 158.4           | 16 484                          | -1 484c                         |      |  |  |  |
| 9 450                                                                                                                       | 32 560                          | 24.41            | 57.53            | 59.0             | 0.1732 | 0.4081 | 0.4185 | 146.9           | 17 487                          | -1 487c                         |      |  |  |  |
| 10 455                                                                                                                      | 32 561                          | 23.42            | 58.1             | 48.73            | 0.1797 | 0.446  | 0.3741 | 135.7           | 18 492                          | -1 492c                         |      |  |  |  |
| 12 460                                                                                                                      | 32 563                          | 21.53            | 58.32            | 30.51            | 0.1951 | 0.5284 | 0.2764 | 118.8           | 20 504                          | -1 504c                         |      |  |  |  |
| 12 465                                                                                                                      | 33 566                          | 23.84            | 60.99            | 30.51            | 0.2066 | 0.5287 | 0.2645 | 116.2           | 21 507                          | -1 507c                         |      |  |  |  |
| 13 470                                                                                                                      | 34 572                          | 27.07            | 64.68            | 22.96            | 0.236  | 0.5638 | 0.2001 | 106.8           | 24 520                          | -1 520c                         |      |  |  |  |
| 14 475                                                                                                                      | 36 582                          | 35.09            | 71.25            | 16.77            | 0.285  | 0.5787 | 0.1362 | 95.5            | 26 533                          | -1 533c                         | Gm   |  |  |  |
| 16 480                                                                                                                      | 44 622                          | 65.72            | 86.65            | 8.48             | 0.4085 | 0.5386 | 0.0527 | 65.8            | 31 556                          | 0 403                           |      |  |  |  |
| 17 485                                                                                                                      | -1 485c                         | 77.8             | 90.11            | 5.93             | 0.4475 | 0.5183 | 0.0341 | 55.4            | 32 562                          | 11 456                          |      |  |  |  |
| 18 490                                                                                                                      | -1 490c                         | 77.75            | 88.26            | 4.11             | 0.457  | 0.5188 | 0.0241 | 53.7            | 32 563                          | 11 459                          |      |  |  |  |
| 19 495                                                                                                                      | -1 495c                         | 77.72            | 86.17            | 2.83             | 0.4661 | 0.5168 | 0.017  | 51.7            | 32 564                          | 12 461                          |      |  |  |  |
| 20 500                                                                                                                      | -1 500c                         | 77.68            | 83.86            | 1.95             | 0.4751 | 0.5129 | 0.0119 | 49.6            | 33 565                          | 12 463                          |      |  |  |  |
| 21 505                                                                                                                      | -1 505c                         | 77.56            | 81.33            | 1.34             | 0.484  | 0.5075 | 0.0084 | 47.3            | 33 566                          | 12 464                          |      |  |  |  |
| 22 510                                                                                                                      | -1 510c                         | 77.33            | 78.57            | 0.93             | 0.493  | 0.5009 | 0.0059 | 44.8            | 33 567                          | 13 466                          |      |  |  |  |
| 23 515                                                                                                                      | -1 515c                         | 76.94            | 75.56            | 0.63             | 0.5024 | 0.4934 | 0.0041 | 42.2            | 33 569                          | 13 467                          |      |  |  |  |
| 24 520                                                                                                                      | -1 520c                         | 76.34            | 72.29            | 0.42             | 0.5121 | 0.485  | 0.0028 | 39.4            | 34 570                          | 13 468                          | Ym   |  |  |  |
| 25 525                                                                                                                      | -1 525c                         | 75.49            | 68.77            | 0.26             | 0.5223 | 0.4758 | 0.0018 | 36.4            | 34 572                          | 14 470                          |      |  |  |  |
| 26 530                                                                                                                      | -1 530c                         | 74.35            | 64.98            | 0.16             | 0.5329 | 0.4658 | 0.0011 | 33.3            | 34 574                          | 14 471                          |      |  |  |  |
| 27 535                                                                                                                      | -1 535c                         | 72.88            | 60.93            | 0.08             | 0.5443 | 0.455  | 0.0006 | 30.1            | 35 576                          | 14 472                          |      |  |  |  |
| 28 540                                                                                                                      | -1 540c                         | 71.07            | 56.66            | 0.04             | 0.5561 | 0.4434 | 0.0003 | 26.8            | 35 578                          | 14 473                          |      |  |  |  |
| 28 545                                                                                                                      | -1 544c                         | 71.07            | 56.66            | 0.04             | 0.5561 | 0.4434 | 0.0003 | 26.8            | 35 578                          | 14 473                          |      |  |  |  |
| 29 550                                                                                                                      | -1 549c                         | 68.88            | 52.27            | 0.01             | 0.5684 | 0.4314 | 0.0001 | 23.5            | 36 580                          | 14 474                          |      |  |  |  |
| 31 555                                                                                                                      | -1 555c                         | 63.34            | 43.32            | 0.0              | 0.5938 | 0.4061 | 0.0    | 17.0            | 37 585                          | 15 475                          |      |  |  |  |
| 31 560                                                                                                                      | 9 447                           | 74.86            | 45.07            | 57.94            | 0.4208 | 0.2533 | 0.3257 | 329.3           | -1 487c                         | 17 487                          |      |  |  |  |
| 33 565                                                                                                                      | 12 462                          | 72.82            | 38.28            | 86.13            | 0.3692 | 0.1941 | 0.4366 | 295.2           | -1 508c                         | 21 508                          |      |  |  |  |
| 33 570                                                                                                                      | 13 468                          | 74.1             | 39.29            | 94.39            | 0.3566 | 0.1891 | 0.4542 | 289.6           | -1 516c                         | 23 516                          |      |  |  |  |
| 35 575                                                                                                                      | 14 471                          | 66.6             | 32.22            | 98.53            | 0.3374 | 0.1632 | 0.4992 | 279.8           | -1 528c                         | 25 528                          |      |  |  |  |
| 35 580                                                                                                                      | 14 474                          | 66.92            | 32.76            | 101.04           | 0.3334 | 0.1632 | 0.5033 | 278.4           | -1 530c                         | 26 530                          |      |  |  |  |
| 37 585                                                                                                                      | 15 475                          | 58.42            | 26.45            | 102.62           | 0.3115 | 0.1411 | 0.5472 | 270.4           | -1 539c                         | 27 539                          |      |  |  |  |
| 38 590                                                                                                                      | 15 476                          | 54.1             | 23.83            | 103.57           | 0.298  | 0.1312 | 0.5706 | 266.2           | -1 542c                         | 28 542                          |      |  |  |  |
| 39 595                                                                                                                      | 15 477                          | 49.83            | 21.41            | 104.29           | 0.2838 | 0.1219 | 0.5941 | 262.3           | -1 545c                         | 29 545                          |      |  |  |  |
| 40 600                                                                                                                      | 15 478                          | 45.68            | 19.21            | 104.85           | 0.2691 | 0.1132 | 0.6176 | 258.6           | -1 548c                         | 29 548                          |      |  |  |  |
| 41 605                                                                                                                      | 15 478                          | 41.73            | 17.24            | 105.28           | 0.254  | 0.1049 | 0.6409 | 255.2           | -1 550c                         | 30 550                          |      |  |  |  |
| 42 610                                                                                                                      | 15 479                          | 38.04            | 15.49            | 105.63           | 0.239  | 0.0973 | 0.6636 | 252.1           | -1 552c                         | 30 552                          |      |  |  |  |
| 42 615                                                                                                                      | 15 479                          | 38.07            | 15.58            | 105.88           | 0.2386 | 0.0976 | 0.6636 | 252.0           | -1 552c                         | 30 552                          |      |  |  |  |
| 43 620                                                                                                                      | 15 479                          | 34.7             | 14.03            | 106.07           | 0.2241 | 0.0906 | 0.6852 | 249.3           | -1 554c                         | 30 554                          |      |  |  |  |
| 45 625                                                                                                                      | 16 480                          | 29.06            | 11.53            | 106.2            | 0.198  | 0.0785 | 0.7234 | 244.9           | 3 416                           | 31 557                          |      |  |  |  |
| 45 630                                                                                                                      | 16 480                          | 29.07            | 11.58            | 106.31           | 0.1978 | 0.0788 | 0.7233 | 244.9           | 3 417                           | 31 557                          |      |  |  |  |
| 47 635                                                                                                                      | 16 480                          | 25.06            | 9.91             | 106.4            | 0.1772 | 0.0701 | 0.7526 | 241.8           | 7 439                           | 31 558                          |      |  |  |  |
| 48 640                                                                                                                      | 16 480                          | 23.61            | 9.35             | 106.47           | 0.1693 | 0.067  | 0.7635 | 240.7           | 8 444                           | 31 559                          |      |  |  |  |
| 49 645                                                                                                                      | 16 480                          | 22.47            | 8.92             | 106.53           | 0.1629 | 0.0646 | 0.7723 | 239.9           | 9 447                           | 31 559                          |      |  |  |  |
| 50 650                                                                                                                      | 16 480                          | 21.59            | 8.58             | 106.57           | 0.1578 | 0.0627 | 0.7793 | 239.2           | 9 449                           | 32 560                          |      |  |  |  |
| 51 655                                                                                                                      | 16 480                          | 20.92            | 8.33             | 106.59           | 0.154  | 0.0613 | 0.7846 | 238.7           | 10 450                          | 32 560                          |      |  |  |  |
| 52 660                                                                                                                      | 16 480                          | 20.43            | 8.14             | 106.61           | 0.1511 | 0.0602 | 0.7886 | 238.4           | 10 451                          | 32 560                          |      |  |  |  |
| 52 665                                                                                                                      | 16 480                          | 20.43            | 8.15             | 106.62           | 0.1511 | 0.0603 | 0.7885 | 238.3           | 10 451                          | 32 560                          |      |  |  |  |
| 53 670                                                                                                                      | 16 480                          | 20.07            | 8.01             | 106.63           | 0.149  | 0.0595 | 0.7914 | 238.1           | 10 452                          | 32 560                          |      |  |  |  |
| 55 675                                                                                                                      | 16 480                          | 19.64            | 7.85             | 106.64           | 0.1464 | 0.0585 | 0.795  | 237.8           | 10 452                          | 32 561                          |      |  |  |  |
| 55 680                                                                                                                      | 16 480                          | 19.64            | 7.85             | 106.64           | 0.1464 | 0.0585 | 0.795  | 237.8           | 10 452                          | 32 561                          |      |  |  |  |
| 57 689                                                                                                                      | 16 480                          | 19.43            | 7.77             | 106.64           | 0.1451 | 0.058  | 0.7967 | 237.6           | 10 453                          | 32 561                          |      |  |  |  |
| 58 690                                                                                                                      | 16 480                          | 19.37            | 7.75             | 106.65           | 0.1448 | 0.0579 | 0.7971 | 237.6           | 10 453                          | 32 561                          |      |  |  |  |
| 380                                                                                                                         | 770                             | 97.28            | 99.99            | 116.14           | 0.3103 | 0.319  | 0.3705 | 0.0             |                                 |                                 |      |  |  |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for C00 and Y <sub>w,10</sub> =100, B <sub>m</sub> =380_520 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |      |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|------|--|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                             | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |  |
| 31 556                                                                                                                      | 1 405                           | 64.23            | 44.11            | 1.6              | 0.5841 | 0.4012 | 0.0145 | 16.7            | 37 586                          | 15 475                          | Rm   |  |  |  |
| 31 556                                                                                                                      | 2 410                           | 64.52            | 43.98            | 3.52             | 0.5759 | 0.3926 | 0.0314 | 15.4            | 37 587                          | 15 476                          |      |  |  |  |
| 31 557                                                                                                                      | 3 415                           | 65.07            | 43.85            | 6.8              | 0.5622 | 0.3789 | 0.0588 | 13.3            | 37 589                          | 15 476                          |      |  |  |  |
| 31 557                                                                                                                      | 4 420                           | 65.92            | 43.72            | 11.72            | 0.5431 | 0.3602 | 0.0965 | 10.0            | 38 593                          | 15 477                          |      |  |  |  |
| 31 557                                                                                                                      | 5 425                           | 67.07            | 43.6             | 18.32            | 0.5199 | 0.3379 | 0.142  | 5.1             | 40 601                          | 15 478                          |      |  |  |  |
| 31 558                                                                                                                      | 6 430                           | 68.51            | 43.51            | 26.54            | 0.4943 | 0.314  | 0.1915 | 358.4           | 44 621                          | 15 479                          |      |  |  |  |
| 31 558                                                                                                                      | 6 435                           | 68.25            | 43.15            | 26.54            | 0.4947 | 0.3128 | 0.1924 | 358.0           | 44 623                          | 16 480                          |      |  |  |  |
| 31 558                                                                                                                      | 8 440                           | 71.84            | 43.35            | 46.55            | 0.4441 | 0.268  | 0.2878 | 339.1           | -1 484c                         | 16 484                          |      |  |  |  |
| 31 559                                                                                                                      | 8 445                           | 71.42            | 42.77            | 46.55            | 0.4443 | 0.266  | 0.2895 | 338.4           | -1 484c                         | 16 484                          |      |  |  |  |
| 32 560                                                                                                                      | 9 450                           | 72.86            | 42.46            | 57.14            | 0.4224 | 0.2462 | 0.3313 | 327.0           | -1 487c                         | 17 487                          |      |  |  |  |
| 32 561                                                                                                                      | 10 455                          | 73.86            | 41.89            | 67.4             | 0.4032 | 0.2287 | 0.368  | 315.8           | -1 492c                         | 18 492                          |      |  |  |  |
| 32 563                                                                                                                      | 12 460                          | 75.75            | 41.67            | 85.63            | 0.373  | 0.2052 | 0.4217 | 298.8           | -1 504c                         | 20 504                          |      |  |  |  |
| 33 566                                                                                                                      | 12 465                          | 73.44            | 39.0             | 85.63            | 0.3707 | 0.1969 | 0.4323 | 296.3           | -1 507c                         | 21 507                          |      |  |  |  |
| 34 572                                                                                                                      | 13 470                          | 70.2             | 35.31            | 93.18            | 0.3533 | 0.1777 | 0.4689 | 286.9           | -1 520c                         | 24 520                          |      |  |  |  |
| 36 582                                                                                                                      | 14 475                          | 62.19            | 28.74            | 99.37            | 0.3267 | 0.151  | 0.5221 | 275.6           | -1 533c                         | 26 533                          | Mm   |  |  |  |
| 44 622                                                                                                                      | 16 480                          | 31.56            | 13.34            | 107.65           | 0.2068 | 0.0874 | 0.7056 | 245.9           | 0 403                           | 31 556                          |      |  |  |  |
| -1 485c                                                                                                                     | 17 485                          | 19.48            | 9.88             | 110.21           | 0.1395 | 0.0708 | 0.7896 | 235.4           | 11 456                          | 32 562                          |      |  |  |  |
| -1 490c                                                                                                                     | 18 490                          | 19.53            | 11.73            | 112.03           | 0.1363 | 0.0819 | 0.7817 | 233.7           | 11 459                          | 32 563                          |      |  |  |  |
| -1 495c                                                                                                                     | 19 495                          | 19.55            | 13.82            | 113.3            | 0.1333 | 0.0942 | 0.7724 | 231.7           | 12 461                          | 32 564                          |      |  |  |  |
| -1 500c                                                                                                                     | 20 500                          | 19.6             | 16.13            | 114.18           | 0.1307 | 0.1075 | 0.7616 | 229.6           | 12 463                          | 33 565                          |      |  |  |  |
| -1 505c                                                                                                                     | 21 505                          | 19.71            | 18.66            | 114.79           | 0.1287 | 0.1218 | 0.7494 | 227.3           | 12 464                          | 33 566                          |      |  |  |  |
| -1 510c                                                                                                                     | 22 510                          | 19.95            | 21.42            | 115.21           | 0.1274 | 0.1368 | 0.7357 | 224.8           | 13 466                          | 33 567                          |      |  |  |  |
| -1 515c                                                                                                                     | 23 515                          | 20.34            | 24.43            | 115.51           | 0.1269 | 0.1524 | 0.7206 | 222.2           | 13 467                          | 33 569                          |      |  |  |  |
| -1 520c                                                                                                                     | 24 520                          | 20.94            | 27.7             | 115.72           | 0.1274 | 0.1685 | 0.704  | 219.4           | 13 468                          | 34 570                          | Bm   |  |  |  |
| -1 525c                                                                                                                     | 25 525                          | 21.79            | 31.22            | 115.87           | 0.129  | 0.1848 | 0.6861 | 216.5           | 14 470                          | 34 572                          |      |  |  |  |
| -1 530c                                                                                                                     | 26 530                          | 22.93            | 35.01            | 115.98           | 0.1318 | 0.2013 | 0.6668 | 213.4           | 14 471                          | 34 574                          |      |  |  |  |
| -1 535c                                                                                                                     | 27 535                          | 24.39            | 39.06            | 116.05           | 0.1359 | 0.2176 | 0.6464 | 210.1           | 14 472                          | 35 576                          |      |  |  |  |
| -1 540c                                                                                                                     | 28 540                          | 26.21            | 43.33            | 116.1            | 0.1412 | 0.2333 | 0.6253 | 206.8           | 14 473                          | 35 578                          |      |  |  |  |
| -1 544c                                                                                                                     | 28 545                          | 26.21            | 43.33            | 116.1            | 0.1412 | 0.2333 | 0.6253 | 206.8           | 14 473                          | 35 578                          |      |  |  |  |
| -1 549c                                                                                                                     | 29 550                          | 28.39            | 47.72            | 116.13           | 0.1477 | 0.2482 | 0.604  | 203.5           | 14 474                          | 36 580                          |      |  |  |  |
| -1 555c                                                                                                                     | 31 555                          | 33.93            | 56.67            | 116.14           | 0.1641 | 0.2741 | 0.5617 | 197.0           | 15 475                          | 37 585                          |      |  |  |  |
| 9 447                                                                                                                       | 31 560                          | 22.41            | 54.92            | 58.2             | 0.1653 | 0.4052 | 0.4294 | 149.2           | 17 487                          | -1 487c                         |      |  |  |  |
| 12 462                                                                                                                      | 33 565                          | 24.46            | 61.71            | 30.0             | 0.2105 | 0.5311 | 0.2582 | 115.1           | 21 508                          | -1 508c                         |      |  |  |  |
| 13 468                                                                                                                      | 33 570                          | 23.18            | 60.7             | 21.75            | 0.2194 | 0.5746 | 0.2059 | 109.5           | 23 516                          | -1 516c                         |      |  |  |  |
| 14 471                                                                                                                      | 35 575                          | 30.68            | 67.77            | 17.6             | 0.2643 | 0.5839 | 0.1517 | 99.8            | 25 528                          | -1 528c                         |      |  |  |  |
| 14 474                                                                                                                      | 35 580                          | 30.35            | 67.23            | 15.1             | 0.2693 | 0.5966 | 0.1339 | 98.3            | 26 530                          | -1 530c                         |      |  |  |  |
| 15 475                                                                                                                      | 37 585                          | 38.86            | 73.54            | 13.52            | 0.3086 | 0.5839 | 0.1074 | 90.3            | 27 539                          | -1 539c                         |      |  |  |  |
| 15 476                                                                                                                      | 38 590                          | 43.18            | 76.16            | 12.57            | 0.3273 | 0.5773 | 0.0953 | 86.2            | 28 542                          | -1 542c                         |      |  |  |  |
| 15 477                                                                                                                      | 39 595                          | 47.45            | 78.58            | 11.85            | 0.3441 | 0.5698 | 0.0859 | 82.3            | 29 545                          | -1 545c                         |      |  |  |  |
| 15 478                                                                                                                      | 40 600                          | 51.6             | 80.78            | 11.29            | 0.3591 | 0.5622 | 0.0786 | 78.6            | 29 548                          | -1 548c                         |      |  |  |  |
| 15 478                                                                                                                      | 41 605                          | 55.55            | 82.75            | 10.86            | 0.3724 | 0.5547 | 0.0728 | 75.2            | 30 550                          | -1 550c                         |      |  |  |  |
| 15 479                                                                                                                      | 42 610                          | 59.24            | 84.5             | 10.51            | 0.384  | 0.5478 | 0.0681 | 72.1            | 30 552                          | -1 552c                         |      |  |  |  |
| 15 479                                                                                                                      | 42 615                          | 59.21            | 84.41            | 10.25            | 0.3847 | 0.5485 | 0.0666 | 72.0            | 30 552                          | -1 552c                         |      |  |  |  |
| 15 479                                                                                                                      | 43 620                          | 62.58            | 85.96            | 10.06            | 0.3945 | 0.5419 | 0.0634 | 69.2            | 30 554                          | -1 554c                         |      |  |  |  |
| 16 480                                                                                                                      | 45 625                          | 68.21            | 88.46            | 9.93             | 0.4094 | 0.5309 | 0.0596 | 64.9            | 31 557                          | 3 416                           |      |  |  |  |
| 16 480                                                                                                                      | 45 630                          | 68.21            | 88.41            | 9.83             | 0.4097 | 0.5311 | 0.059  | 64.8            | 31 557                          | 3 417                           |      |  |  |  |
| 16 480                                                                                                                      | 47 635                          | 72.22            | 90.08            | 9.74             | 0.4197 | 0.5235 | 0.0566 | 61.8            | 31 558                          | 7 439                           |      |  |  |  |
| 16 480                                                                                                                      | 48 640                          | 73.66            | 90.64            | 9.66             | 0.4234 | 0.521  | 0.0555 | 60.7            | 31 559                          | 8 444                           |      |  |  |  |
| 16 480                                                                                                                      | 49 645                          | 74.81            | 91.07            | 9.6              | 0.4262 | 0.5189 | 0.0547 | 59.8            | 31 559                          | 9 447                           |      |  |  |  |
| 16 480                                                                                                                      | 50 650                          | 75.69            | 91.41            | 9.57             | 0.4284 | 0.5173 | 0.0541 | 59.2            | 32 560                          | 9 449                           |      |  |  |  |
| 16 480                                                                                                                      | 51 655                          | 76.36            | 91.66            | 9.55             | 0.43   | 0.5162 | 0.0537 | 58.7            | 32 560                          | 10 450                          |      |  |  |  |
| 16 480                                                                                                                      | 52 660                          | 76.85            | 91.85            | 9.53             | 0.4311 | 0.5153 | 0.0534 | 58.3            | 32 560                          | 10 451                          |      |  |  |  |
| 16 480                                                                                                                      | 52 665                          | 76.85            | 91.84            | 9.51             | 0.4312 | 0.5153 | 0.0534 | 58.3            | 32 560                          | 10 451                          |      |  |  |  |
| 16 480                                                                                                                      | 53 670                          | 77.21            | 91.98            | 9.5              | 0.432  | 0.5147 | 0.0532 | 58.1            | 32 560                          | 10 452                          |      |  |  |  |
| 16 480                                                                                                                      | 55 675                          | 77.64            | 92.14            | 9.5              | 0.433  | 0.5139 | 0.0529 | 57.7            | 32 561                          | 10 452                          |      |  |  |  |
| 16 480                                                                                                                      | 55 680                          | 77.64            | 92.14            | 9.49             | 0.433  | 0.5139 | 0.0529 | 57.7            | 32 561                          | 10 452                          |      |  |  |  |
| 16 480                                                                                                                      | 57 689                          | 77.85            | 92.22            | 9.49             | 0.4335 | 0.5135 | 0.0528 | 57.6            | 32 561                          | 10 453                          |      |  |  |  |
| 16 480                                                                                                                      | 58 690                          | 77.9             | 92.24            | 9.49             | 0.4336 | 0.5134 | 0.0528 | 57.6            | 32 561                          | 10 453                          |      |  |  |  |
| 380                                                                                                                         | 770                             | 97.28            | 99.99            | 116.14           | 0.3103 | 0.319  | 0.3705 | 0.0             |                                 |                                 |      |  |  |  |

see similar files: <http://130.149.60.45/~farbmetrik/SN63/SN63L0NP.PDF> / .PS  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-SN63/SN63L0NP.PDF /.PS  
application for measurement of display output

TUB material: code=rha4ta

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for P00 and Y <sub>w,10</sub> =100, Y <sub>m</sub> =520_770 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |      |  |  |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|------|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                             | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 0 405                                                                                                                       | 32 562                          | 30.46            | 54.9             | 80.53            | 0.1836 | 0.3309 | 0.4854 | 186.9           | 15 479                          | 38 591                          | Cm   |  |  |
| 2 410                                                                                                                       | 32 562                          | 29.98            | 54.94            | 77.94            | 0.1841 | 0.3373 | 0.4785 | 184.9           | 15 479                          | 38 593                          |      |  |  |
| 3 415                                                                                                                       | 32 562                          | 29.52            | 55.0             | 75.31            | 0.1847 | 0.3441 | 0.4711 | 182.7           | 16 480                          | 39 596                          |      |  |  |
| 4 420                                                                                                                       | 32 562                          | 28.87            | 55.07            | 71.62            | 0.1856 | 0.3539 | 0.4603 | 179.5           | 16 481                          | 40 600                          |      |  |  |
| 5 425                                                                                                                       | 32 563                          | 28.06            | 55.13            | 66.94            | 0.1868 | 0.3672 | 0.4458 | 175.1           | 16 482                          | 42 610                          |      |  |  |
| 6 430                                                                                                                       | 32 563                          | 27.09            | 55.17            | 61.34            | 0.1886 | 0.3842 | 0.4271 | 169.5           | 16 483                          | 48 642                          |      |  |  |
| 7 435                                                                                                                       | 32 563                          | 26.02            | 55.22            | 54.97            | 0.191  | 0.4053 | 0.4035 | 162.7           | 17 485                          | -1 485c                         |      |  |  |
| 7 440                                                                                                                       | 32 563                          | 26.25            | 55.5             | 54.97            | 0.192  | 0.4059 | 0.402  | 162.4           | 17 485                          | -1 485c                         |      |  |  |
| 8 445                                                                                                                       | 32 564                          | 25.24            | 55.65            | 48.15            | 0.1956 | 0.4312 | 0.3731 | 154.5           | 17 488                          | -1 488c                         |      |  |  |
| 9 450                                                                                                                       | 32 564                          | 24.33            | 55.85            | 41.19            | 0.2004 | 0.4601 | 0.3394 | 146.1           | 18 491                          | -1 491c                         |      |  |  |
| 11 455                                                                                                                      | 33 565                          | 22.61            | 55.82            | 27.95            | 0.2125 | 0.5247 | 0.2627 | 130.7           | 19 499                          | -1 499c                         |      |  |  |
| 12 460                                                                                                                      | 33 567                          | 22.57            | 56.37            | 22.05            | 0.2235 | 0.558  | 0.2183 | 123.7           | 21 506                          | -1 506c                         |      |  |  |
| 13 465                                                                                                                      | 33 569                          | 23.4             | 57.54            | 16.87            | 0.2392 | 0.5882 | 0.1724 | 117.2           | 22 514                          | -1 514c                         |      |  |  |
| 13 470                                                                                                                      | 34 572                          | 26.47            | 60.57            | 16.87            | 0.2547 | 0.5828 | 0.1623 | 114.7           | 23 518                          | -1 518c                         |      |  |  |
| 15 475                                                                                                                      | 35 579                          | 31.12            | 63.97            | 9.26             | 0.2982 | 0.6129 | 0.0888 | 103.5           | 26 534                          | -1 534c                         | Gm   |  |  |
| 16 480                                                                                                                      | 38 593                          | 45.51            | 73.33            | 6.76             | 0.3623 | 0.5837 | 0.0538 | 89.6            | 29 547                          | -1 547c                         |      |  |  |
| 17 485                                                                                                                      | -1 485c                         | 88.85            | 93.1             | 4.91             | 0.4754 | 0.4982 | 0.0263 | 51.7            | 33 566                          | 11 457                          |      |  |  |
| 17 490                                                                                                                      | -1 489c                         | 88.85            | 93.1             | 4.91             | 0.4754 | 0.4982 | 0.0263 | 51.7            | 33 566                          | 11 457                          |      |  |  |
| 19 495                                                                                                                      | -1 495c                         | 88.79            | 90.06            | 2.55             | 0.4894 | 0.4964 | 0.014  | 48.2            | 33 567                          | 12 461                          |      |  |  |
| 19 500                                                                                                                      | -1 499c                         | 88.79            | 90.06            | 2.55             | 0.4894 | 0.4964 | 0.014  | 48.2            | 33 567                          | 12 461                          |      |  |  |
| 21 505                                                                                                                      | -1 505c                         | 88.65            | 85.9             | 1.28             | 0.5041 | 0.4885 | 0.0073 | 43.4            | 33 569                          | 13 465                          |      |  |  |
| 22 510                                                                                                                      | -1 510c                         | 88.44            | 83.34            | 0.9              | 0.5121 | 0.4826 | 0.0052 | 40.6            | 34 570                          | 13 467                          |      |  |  |
| 22 515                                                                                                                      | -1 514c                         | 88.44            | 83.34            | 0.9              | 0.5121 | 0.4826 | 0.0052 | 40.6            | 34 570                          | 13 467                          |      |  |  |
| 23 520                                                                                                                      | -1 519c                         | 88.06            | 80.45            | 0.61             | 0.5206 | 0.4756 | 0.0036 | 37.6            | 34 572                          | 13 469                          | Ym   |  |  |
| 24 525                                                                                                                      | -1 524c                         | 87.47            | 77.25            | 0.4              | 0.5297 | 0.4678 | 0.0024 | 34.3            | 34 573                          | 14 470                          |      |  |  |
| 26 530                                                                                                                      | -1 530c                         | 85.52            | 70.09            | 0.15             | 0.549  | 0.4499 | 0.0009 | 27.3            | 35 577                          | 14 473                          |      |  |  |
| 26 535                                                                                                                      | -1 534c                         | 85.52            | 70.09            | 0.15             | 0.549  | 0.4499 | 0.0009 | 27.3            | 35 577                          | 14 473                          |      |  |  |
| 28 540                                                                                                                      | -1 540c                         | 82.37            | 62.1             | 0.03             | 0.57   | 0.4297 | 0.0002 | 20.2            | 36 580                          | 15 475                          |      |  |  |
| 28 545                                                                                                                      | -1 544c                         | 82.37            | 62.1             | 0.03             | 0.57   | 0.4297 | 0.0002 | 20.2            | 36 580                          | 15 475                          |      |  |  |
| 29 550                                                                                                                      | -1 549c                         | 80.3             | 57.92            | 0.01             | 0.5808 | 0.419  | 0.0    | 16.8            | 36 583                          | 15 476                          |      |  |  |
| 31 555                                                                                                                      | -1 555c                         | 75.0             | 49.38            | 0.0              | 0.603  | 0.3969 | 0.0    | 10.3            | 37 587                          | 15 478                          |      |  |  |
| 32 560                                                                                                                      | -1 560c                         | 71.75            | 45.08            | 0.0              | 0.6141 | 0.3858 | 0.0    | 7.4             | 38 590                          | 15 479                          |      |  |  |
| 33 565                                                                                                                      | 10 450                          | 76.78            | 42.18            | 43.82            | 0.4716 | 0.2591 | 0.2691 | 319.8           | -1 493c                         | 18 493                          |      |  |  |
| 34 570                                                                                                                      | 13 466                          | 76.07            | 39.59            | 63.28            | 0.4251 | 0.2212 | 0.3536 | 296.0           | -1 516c                         | 23 516                          |      |  |  |
| 34 575                                                                                                                      | 14 472                          | 76.78            | 40.41            | 68.31            | 0.4139 | 0.2178 | 0.3682 | 291.4           | -1 523c                         | 24 523                          |      |  |  |
| 36 580                                                                                                                      | 15 475                          | 68.01            | 33.17            | 70.78            | 0.3954 | 0.1929 | 0.4115 | 282.2           | -1 535c                         | 27 535                          |      |  |  |
| 37 585                                                                                                                      | 15 477                          | 63.16            | 29.94            | 72.02            | 0.3825 | 0.1813 | 0.4361 | 277.2           | -1 541c                         | 28 541                          |      |  |  |
| 38 590                                                                                                                      | 15 479                          | 58.1             | 26.8             | 72.89            | 0.3681 | 0.1698 | 0.4619 | 272.2           | -1 545c                         | 29 545                          |      |  |  |
| 39 595                                                                                                                      | 16 480                          | 52.95            | 23.85            | 73.52            | 0.3522 | 0.1586 | 0.489  | 267.4           | -1 548c                         | 29 548                          |      |  |  |
| 39 600                                                                                                                      | 16 481                          | 52.98            | 24.05            | 73.9             | 0.3509 | 0.1593 | 0.4896 | 267.0           | -1 549c                         | 29 549                          |      |  |  |
| 41 605                                                                                                                      | 16 481                          | 42.87            | 18.66            | 74.2             | 0.3158 | 0.1374 | 0.5466 | 258.1           | -1 554c                         | 30 554                          |      |  |  |
| 42 610                                                                                                                      | 16 482                          | 38.21            | 16.44            | 74.43            | 0.2959 | 0.1273 | 0.5766 | 253.9           | -1 556c                         | 31 556                          |      |  |  |
| 42 615                                                                                                                      | 16 482                          | 38.22            | 16.53            | 74.6             | 0.2954 | 0.1278 | 0.5767 | 253.7           | -1 556c                         | 31 556                          |      |  |  |
| 44 620                                                                                                                      | 16 483                          | 30.04            | 12.77            | 74.73            | 0.2556 | 0.1086 | 0.6357 | 246.6           | -1 560c                         | 32 560                          |      |  |  |
| 45 625                                                                                                                      | 16 483                          | 26.65            | 11.31            | 74.82            | 0.2363 | 0.1003 | 0.6633 | 243.7           | -1 561c                         | 32 561                          |      |  |  |
| 46 630                                                                                                                      | 16 483                          | 23.77            | 10.11            | 74.91            | 0.2185 | 0.0929 | 0.6885 | 241.2           | -1 562c                         | 32 562                          |      |  |  |
| 47 635                                                                                                                      | 16 483                          | 21.4             | 9.14             | 74.99            | 0.2027 | 0.0866 | 0.7105 | 239.2           | 5 427                           | 32 563                          |      |  |  |
| 47 640                                                                                                                      | 16 483                          | 21.4             | 9.18             | 75.05            | 0.2026 | 0.0869 | 0.7104 | 239.2           | 5 427                           | 32 563                          |      |  |  |
| 49 645                                                                                                                      | 16 483                          | 17.95            | 7.79             | 75.1             | 0.178  | 0.0772 | 0.7446 | 236.4           | 9 445                           | 32 564                          |      |  |  |
| 49 650                                                                                                                      | 16 484                          | 17.96            | 7.81             | 75.13            | 0.1779 | 0.0774 | 0.7446 | 236.3           | 9 445                           | 32 564                          |      |  |  |
| 51 655                                                                                                                      | 16 484                          | 15.86            | 6.98             | 75.15            | 0.1618 | 0.0712 | 0.7668 | 234.7           | 10 450                          | 33 565                          |      |  |  |
| 51 660                                                                                                                      | 16 484                          | 15.86            | 6.99             | 75.16            | 0.1618 | 0.0713 | 0.7668 | 234.7           | 10 450                          | 33 565                          |      |  |  |
| 53 665                                                                                                                      | 16 484                          | 14.69            | 6.53             | 75.18            | 0.1523 | 0.0677 | 0.7798 | 233.7           | 10 453                          | 33 565                          |      |  |  |
| 54 670                                                                                                                      | 16 484                          | 14.33            | 6.39             | 75.18            | 0.1494 | 0.0667 | 0.7838 | 233.5           | 10 453                          | 33 565                          |      |  |  |
| 55 675                                                                                                                      | 16 484                          | 14.07            | 6.3              | 75.19            | 0.1472 | 0.0659 | 0.7867 | 233.3           | 10 454                          | 33 565                          |      |  |  |
| 56 680                                                                                                                      | 16 484                          | 13.89            | 6.23             | 75.19            | 0.1457 | 0.0653 | 0.7888 | 233.1           | 10 454                          | 33 565                          |      |  |  |
| 57 689                                                                                                                      | 16 484                          | 13.76            | 6.18             | 75.2             | 0.1446 | 0.0649 | 0.7903 | 233.0           | 10 454                          | 33 565                          |      |  |  |
| 58 690                                                                                                                      | 16 484                          | 13.67            | 6.14             | 75.2             | 0.1438 | 0.0647 | 0.7914 | 232.9           | 10 454                          | 33 565                          |      |  |  |
| 380                                                                                                                         | 770                             | 102.37           | 99.99            | 81.25            | 0.3609 | 0.3525 | 0.2864 | 0.0             |                                 |                                 |      |  |  |

5-001630-L0

SN630-7.7

TUB-test chart SN63; maximum C<sub>AB</sub>, Y<sub>m</sub>=520\_770  
XYZ, xyz, h data for illuminant P00, Y<sub>w,10</sub>=100

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for P00 and Y <sub>w,10</sub> =100, B <sub>m</sub> =380_520 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |      |  |  |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|------|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                             | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 32 562                                                                                                                      | 0 405                           | 71.9             | 45.09            | 0.71             | 0.6108 | 0.383  | 0.006  | 6.9             | 38 591                          | 15 479                          | Rm   |  |  |
| 32 562                                                                                                                      | 2 410                           | 72.38            | 45.05            | 3.3              | 0.5994 | 0.373  | 0.0274 | 4.9             | 38 593                          | 15 479                          |      |  |  |
| 32 562                                                                                                                      | 3 415                           | 72.85            | 44.99            | 5.93             | 0.5885 | 0.3634 | 0.0479 | 2.7             | 39 596                          | 16 480                          |      |  |  |
| 32 562                                                                                                                      | 4 420                           | 73.49            | 44.92            | 9.62             | 0.5739 | 0.3508 | 0.0751 | 359.5           | 40 600                          | 16 481                          |      |  |  |
| 32 563                                                                                                                      | 5 425                           | 74.31            | 44.86            | 14.3             | 0.5567 | 0.3361 | 0.1071 | 355.1           | 42 610                          | 16 482                          |      |  |  |
| 32 563                                                                                                                      | 6 430                           | 75.28            | 44.82            | 19.9             | 0.5376 | 0.3201 | 0.1421 | 349.5           | 48 642                          | 16 483                          |      |  |  |
| 32 563                                                                                                                      | 7 435                           | 76.34            | 44.77            | 26.27            | 0.5179 | 0.3037 | 0.1782 | 342.7           | -1 485c                         | 17 485                          |      |  |  |
| 32 563                                                                                                                      | 7 440                           | 76.11            | 44.49            | 26.27            | 0.5182 | 0.3029 | 0.1788 | 342.4           | -1 485c                         | 17 485                          |      |  |  |
| 32 564                                                                                                                      | 8 445                           | 77.12            | 44.34            | 33.1             | 0.4989 | 0.2868 | 0.2141 | 334.5           | -1 488c                         | 17 488                          |      |  |  |
| 32 564                                                                                                                      | 9 450                           | 78.04            | 44.14            | 40.05            | 0.481  | 0.272  | 0.2468 | 326.1           | -1 491c                         | 18 491                          |      |  |  |
| 33 565                                                                                                                      | 11 455                          | 79.76            | 44.17            | 53.3             | 0.45   | 0.2492 | 0.3007 | 310.7           | -1 499c                         | 19 499                          |      |  |  |
| 33 567                                                                                                                      | 12 460                          | 79.79            | 43.62            | 59.19            | 0.4369 | 0.2389 | 0.3241 | 303.8           | -1 506c                         | 21 506                          |      |  |  |
| 33 569                                                                                                                      | 13 465                          | 78.96            | 42.45            | 64.38            | 0.425  | 0.2285 | 0.3464 | 297.3           | -1 514c                         | 22 514                          |      |  |  |
| 34 572                                                                                                                      | 13 470                          | 75.9             | 39.42            | 64.38            | 0.4223 | 0.2194 | 0.3582 | 294.7           | -1 518c                         | 23 518                          |      |  |  |
| 35 579                                                                                                                      | 15 475                          | 71.24            | 36.02            | 71.98            | 0.3974 | 0.2009 | 0.4015 | 283.5           | -1 534c                         | 26 534                          | Mm   |  |  |
| 38 593                                                                                                                      | 16 480                          | 56.85            | 26.66            | 74.48            | 0.3598 | 0.1687 | 0.4714 | 269.6           | -1 547c                         | 29 547                          |      |  |  |
| -1 485c                                                                                                                     | 17 485                          | 13.51            | 6.89             | 76.33            | 0.1397 | 0.0712 | 0.789  | 231.8           | 11 457                          | 33 566                          |      |  |  |
| -1 489c                                                                                                                     | 17 490                          | 13.51            | 6.89             | 76.33            | 0.1397 | 0.0712 | 0.789  | 231.8           | 11 457                          | 33 566                          |      |  |  |
| -1 495c                                                                                                                     | 19 495                          | 13.57            | 9.93             | 78.7             | 0.1328 | 0.0972 | 0.7699 | 228.2           | 12 461                          | 33 567                          |      |  |  |
| -1 499c                                                                                                                     | 19 500                          | 13.57            | 9.93             | 78.7             | 0.1328 | 0.0972 | 0.7699 | 228.2           | 12 461                          | 33 567                          |      |  |  |
| -1 505c                                                                                                                     | 21 505                          | 13.71            | 14.09            | 79.96            | 0.1272 | 0.1307 | 0.7419 | 223.5           | 13 465                          | 33 569                          |      |  |  |
| -1 510c                                                                                                                     | 22 510                          | 13.93            | 16.65            | 80.34            | 0.1255 | 0.1501 | 0.7242 | 220.7           | 13 467                          | 34 570                          |      |  |  |
| -1 514c                                                                                                                     | 22 515                          | 13.93            | 16.65            | 80.34            | 0.1255 | 0.1501 | 0.7242 | 220.7           | 13 467                          | 34 570                          |      |  |  |
| -1 519c                                                                                                                     | 23 520                          | 14.31            | 19.54            | 80.63            | 0.1249 | 0.1707 | 0.7042 | 217.6           | 13 469                          | 34 572                          | Bm   |  |  |
| -1 524c                                                                                                                     | 24 525                          | 14.89            | 22.74            | 80.84            | 0.1257 | 0.1919 | 0.6822 | 214.3           | 14 470                          | 34 573                          |      |  |  |
| -1 530c                                                                                                                     | 26 530                          | 16.84            | 29.9             | 81.09            | 0.1317 | 0.2339 | 0.6343 | 207.3           | 14 473                          | 35 577                          |      |  |  |
| -1 534c                                                                                                                     | 26 535                          | 16.84            | 29.9             | 81.09            | 0.1317 | 0.2339 | 0.6343 | 207.3           | 14 473                          | 35 577                          |      |  |  |
| -1 540c                                                                                                                     | 28 540                          | 19.99            | 37.89            | 81.21            | 0.1437 | 0.2724 | 0.5838 | 200.2           | 15 475                          | 36 580                          |      |  |  |
| -1 544c                                                                                                                     | 28 545                          | 19.99            | 37.89            | 81.21            | 0.1437 | 0.2724 | 0.5838 | 200.2           | 15 475                          | 36 580                          |      |  |  |
| -1 549c                                                                                                                     | 29 550                          | 22.07            | 42.07            | 81.23            | 0.1518 | 0.2893 | 0.5587 | 196.8           | 15 476                          | 36 583                          |      |  |  |
| -1 555c                                                                                                                     | 31 555                          | 27.36            | 50.61            | 81.25            | 0.1718 | 0.3178 | 0.5102 | 190.4           | 15 478                          | 37 587                          |      |  |  |
| -1 560c                                                                                                                     | 32 560                          | 30.62            | 54.91            | 81.25            | 0.1835 | 0.3292 | 0.4871 | 187.4           | 15 479                          | 38 590                          |      |  |  |
| 10 450                                                                                                                      | 33 565                          | 25.58            | 57.81            | 37.42            | 0.2117 | 0.4784 | 0.3097 | 139.8           | 18 493                          | -1 493c                         |      |  |  |
| 13 466                                                                                                                      | 34 570                          | 26.3             | 60.4             | 17.97            | 0.2512 | 0.577  | 0.1716 | 116.0           | 23 516                          | -1 516c                         |      |  |  |
| 14 472                                                                                                                      | 34 575                          | 25.58            | 59.58            | 12.93            | 0.2608 | 0.6073 | 0.1318 | 111.4           | 24 523                          | -1 523c                         |      |  |  |
| 15 475                                                                                                                      | 36 580                          | 34.36            | 66.82            | 10.46            | 0.3077 | 0.5984 | 0.0937 | 102.1           | 27 535                          | -1 535c                         |      |  |  |
| 15 477                                                                                                                      | 37 585                          | 39.2             | 70.05            | 9.23             | 0.3308 | 0.5912 | 0.0779 | 97.1            | 28 541                          | -1 541c                         |      |  |  |
| 15 479                                                                                                                      | 38 590                          | 44.27            | 73.19            | 8.35             | 0.3518 | 0.5817 | 0.0663 | 92.2            | 29 545                          | -1 545c                         |      |  |  |
| 16 480                                                                                                                      | 39 595                          | 49.42            | 76.14            | 7.72             | 0.3707 | 0.5712 | 0.0579 | 87.4            | 29 548                          | -1 548c                         |      |  |  |
| 16 481                                                                                                                      | 39 600                          | 49.39            | 75.94            | 7.34             | 0.3722 | 0.5723 | 0.0553 | 87.0            | 29 549                          | -1 549c                         |      |  |  |
| 16 481                                                                                                                      | 41 605                          | 59.49            | 81.33            | 7.04             | 0.4023 | 0.55   | 0.0476 | 78.1            | 30 554                          | -1 554c                         |      |  |  |
| 16 482                                                                                                                      | 42 610                          | 64.16            | 83.55            | 6.81             | 0.4152 | 0.5406 | 0.0441 | 73.8            | 31 556                          | -1 556c                         |      |  |  |
| 16 482                                                                                                                      | 42 615                          | 64.15            | 83.46            | 6.64             | 0.4158 | 0.541  | 0.043  | 73.7            | 31 556                          | -1 556c                         |      |  |  |
| 16 483                                                                                                                      | 44 620                          | 72.32            | 87.22            | 6.52             | 0.4355 | 0.5252 | 0.0392 | 66.6            | 32 560                          | -1 560c                         |      |  |  |
| 16 483                                                                                                                      | 45 625                          | 75.71            | 88.68            | 6.42             | 0.4432 | 0.5191 | 0.0376 | 63.6            | 32 561                          | -1 561c                         |      |  |  |
| 16 483                                                                                                                      | 46 630                          | 78.59            | 89.88            | 6.33             | 0.4495 | 0.5141 | 0.0362 | 61.2            | 32 562                          | -1 562c                         |      |  |  |
| 16 483                                                                                                                      | 47 635                          | 80.97            | 90.85            | 6.25             | 0.4546 | 0.5101 | 0.0351 | 59.2            | 32 563                          | 5 427                           |      |  |  |
| 16 483                                                                                                                      | 47 640                          | 80.96            | 90.81            | 6.19             | 0.4549 | 0.5102 | 0.0348 | 59.1            | 32 563                          | 5 427                           |      |  |  |
| 16 483                                                                                                                      | 49 645                          | 84.41            | 92.2             | 6.14             | 0.4618 | 0.5045 | 0.0336 | 56.3            | 32 564                          | 9 445                           |      |  |  |
| 16 484                                                                                                                      | 49 650                          | 84.41            | 92.18            | 6.11             | 0.4619 | 0.5045 | 0.0334 | 56.3            | 32 564                          | 9 445                           |      |  |  |
| 16 484                                                                                                                      | 51 655                          | 86.5             | 93.01            | 6.09             | 0.466  | 0.501  | 0.0328 | 54.6            | 33 565                          | 10 450                          |      |  |  |
| 16 484                                                                                                                      | 51 660                          | 86.5             | 93.0             | 6.08             | 0.466  | 0.5011 | 0.0327 | 54.6            | 33 565                          | 10 450                          |      |  |  |
| 16 484                                                                                                                      | 53 665                          | 87.68            | 93.46            | 6.07             | 0.4683 | 0.4992 | 0.0324 | 53.7            | 33 565                          | 10 453                          |      |  |  |
| 16 484                                                                                                                      | 54 670                          | 88.04            | 93.6             | 6.06             | 0.469  | 0.4986 | 0.0323 | 53.4            | 33 565                          | 10 453                          |      |  |  |
| 16 484                                                                                                                      | 55 675                          | 88.3             | 93.69            | 6.05             | 0.4695 | 0.4982 | 0.0321 | 53.2            | 33 565                          | 10 454                          |      |  |  |
| 16 484                                                                                                                      | 56 680                          | 88.48            | 93.76            | 6.05             | 0.4698 | 0.4979 | 0.0321 | 53.1            | 33 565                          | 10 454                          |      |  |  |
| 16 484                                                                                                                      | 57 689                          | 88.61            | 93.81            | 6.05             | 0.4701 | 0.4977 | 0.0321 | 53.0            | 33 565                          | 10 454                          |      |  |  |
| 16 484                                                                                                                      | 58 690                          | 88.7             | 93.85            | 6.04             | 0.4703 | 0.4976 | 0.032  | 52.9            | 33 565                          | 10 454                          |      |  |  |
| 380                                                                                                                         | 770                             | 102.37           | 99.99            | 81.25            | 0.3609 | 0.3525 | 0.2864 | 0.0             |                                 |                                 |      |  |  |

see similar files: <http://130.149.60.45/~farbmetrik/SN63/SN63.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for Q00 and Y <sub>w,10</sub> =100, Y <sub>m</sub> =520_770 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |      |  |  |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|------|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                             | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 1 405                                                                                                                       | 31 556                          | 33.44            | 56.3             | 115.58           | 0.1628 | 0.2742 | 0.5628 | 196.1           | 15 475                          | 37 587                          | Cm   |  |  |
| 1 410                                                                                                                       | 31 556                          | 33.56            | 56.47            | 115.58           | 0.1632 | 0.2746 | 0.5621 | 195.9           | 15 476                          | 37 587                          |      |  |  |
| 3 415                                                                                                                       | 31 557                          | 32.18            | 56.51            | 108.44           | 0.1632 | 0.2866 | 0.555  | 191.5           | 15 477                          | 38 592                          |      |  |  |
| 4 420                                                                                                                       | 31 557                          | 31.1             | 56.61            | 102.47           | 0.1635 | 0.2976 | 0.5387 | 187.3           | 15 477                          | 39 598                          |      |  |  |
| 5 425                                                                                                                       | 31 557                          | 29.77            | 56.7             | 95.03            | 0.164  | 0.3123 | 0.5235 | 181.5           | 15 479                          | 42 610                          |      |  |  |
| 5 430                                                                                                                       | 31 558                          | 29.98            | 57.0             | 95.03            | 0.1647 | 0.3131 | 0.5221 | 181.2           | 15 479                          | 42 611                          |      |  |  |
| 7 435                                                                                                                       | 31 558                          | 26.56            | 56.83            | 76.55            | 0.166  | 0.3553 | 0.4786 | 164.7           | 16 482                          | -1 482c                         |      |  |  |
| 7 440                                                                                                                       | 31 558                          | 26.86            | 57.25            | 76.55            | 0.1671 | 0.3563 | 0.4764 | 164.2           | 16 483                          | -1 483c                         |      |  |  |
| 9 445                                                                                                                       | 31 559                          | 23.35            | 57.05            | 66.03            | 0.1711 | 0.4181 | 0.4106 | 143.5           | 17 488                          | -1 488c                         |      |  |  |
| 10 450                                                                                                                      | 32 560                          | 22.08            | 57.26            | 46.17            | 0.1759 | 0.4562 | 0.3678 | 133.5           | 18 493                          | -1 493c                         |      |  |  |
| 11 455                                                                                                                      | 32 561                          | 21.32            | 57.74            | 37.01            | 0.1836 | 0.4974 | 0.3188 | 124.6           | 19 498                          | -1 498c                         |      |  |  |
| 12 460                                                                                                                      | 32 563                          | 21.16            | 58.56            | 28.78            | 0.195  | 0.5396 | 0.2652 | 117.0           | 21 506                          | -1 506c                         |      |  |  |
| 13 465                                                                                                                      | 33 566                          | 22.3             | 60.33            | 21.67            | 0.2138 | 0.5783 | 0.2077 | 109.9           | 23 515                          | -1 515c                         |      |  |  |
| 13 470                                                                                                                      | 34 572                          | 26.68            | 64.84            | 21.67            | 0.2357 | 0.5727 | 0.1914 | 105.9           | 24 520                          | -1 520c                         |      |  |  |
| 15 475                                                                                                                      | 36 583                          | 34.45            | 70.42            | 11.51            | 0.296  | 0.605  | 0.0989 | 92.5            | 27 536                          | -1 536c                         | Gm   |  |  |
| 15 480                                                                                                                      | 45 629                          | 69.24            | 89.85            | 11.51            | 0.4058 | 0.5266 | 0.0674 | 65.2            | 31 556                          | 2 413                           |      |  |  |
| 17 485                                                                                                                      | -1 485c                         | 77.47            | 90.54            | 5.9              | 0.4454 | 0.5206 | 0.0339 | 56.2            | 32 561                          | 11 455                          |      |  |  |
| 17 490                                                                                                                      | -1 489c                         | 77.47            | 90.54            | 5.9              | 0.4454 | 0.5206 | 0.0339 | 56.2            | 32 561                          | 11 455                          |      |  |  |
| 18 495                                                                                                                      | -1 494c                         | 77.42            | 88.8             | 4.19             | 0.4543 | 0.521  | 0.0246 | 54.6            | 32 562                          | 11 458                          |      |  |  |
| 19 500                                                                                                                      | -1 499c                         | 77.4             | 86.78            | 2.96             | 0.463  | 0.5191 | 0.0177 | 52.7            | 32 563                          | 12 460                          |      |  |  |
| 21 505                                                                                                                      | -1 505c                         | 77.23            | 81.81            | 1.45             | 0.4812 | 0.5097 | 0.009  | 48.2            | 33 566                          | 12 464                          |      |  |  |
| 21 510                                                                                                                      | -1 509c                         | 77.23            | 81.81            | 1.45             | 0.4812 | 0.5097 | 0.009  | 48.2            | 33 566                          | 12 464                          |      |  |  |
| 22 515                                                                                                                      | -1 514c                         | 76.98            | 78.83            | 1.0              | 0.4908 | 0.5027 | 0.0063 | 45.6            | 33 567                          | 13 465                          |      |  |  |
| 24 520                                                                                                                      | -1 520c                         | 75.89            | 71.94            | 0.44             | 0.5118 | 0.4851 | 0.0029 | 39.7            | 34 570                          | 13 468                          | Ym   |  |  |
| 25 525                                                                                                                      | -1 525c                         | 74.97            | 68.12            | 0.27             | 0.5229 | 0.4751 | 0.0019 | 36.5            | 34 572                          | 13 469                          |      |  |  |
| 26 530                                                                                                                      | -1 530c                         | 73.77            | 64.11            | 0.16             | 0.5343 | 0.4644 | 0.0011 | 33.2            | 34 574                          | 14 471                          |      |  |  |
| 26 535                                                                                                                      | -1 534c                         | 73.77            | 64.11            | 0.16             | 0.5343 | 0.4644 | 0.0011 | 33.2            | 34 574                          | 14 471                          |      |  |  |
| 27 540                                                                                                                      | -1 539c                         | 72.26            | 59.95            | 0.08             | 0.5462 | 0.4531 | 0.0006 | 29.9            | 35 576                          | 14 472                          |      |  |  |
| 29 545                                                                                                                      | -1 545c                         | 68.32            | 51.41            | 0.01             | 0.5705 | 0.4293 | 0.0001 | 23.3            | 36 581                          | 14 474                          |      |  |  |
| 30 550                                                                                                                      | -1 550c                         | 65.85            | 47.12            | 0.0              | 0.5828 | 0.4171 | 0.0    | 20.1            | 36 583                          | 15 475                          |      |  |  |
| 30 555                                                                                                                      | -1 554c                         | 65.85            | 47.12            | 0.0              | 0.5828 | 0.4171 | 0.0    | 20.1            | 36 583                          | 15 475                          |      |  |  |
| 31 560                                                                                                                      | 9 447                           | 75.63            | 44.71            | 62.92            | 0.4126 | 0.2439 | 0.3433 | 325.1           | -1 488c                         | 17 488                          |      |  |  |
| 33 565                                                                                                                      | 12 462                          | 73.7             | 38.25            | 89.8             | 0.3653 | 0.1895 | 0.4451 | 294.0           | -1 510c                         | 22 510                          |      |  |  |
| 34 570                                                                                                                      | 13 468                          | 71.12            | 35.3             | 97.62            | 0.3485 | 0.173  | 0.4784 | 285.4           | -1 521c                         | 24 521                          |      |  |  |
| 34 575                                                                                                                      | 14 471                          | 71.67            | 35.96            | 101.51           | 0.3426 | 0.1719 | 0.4853 | 283.1           | -1 524c                         | 24 524                          |      |  |  |
| 36 580                                                                                                                      | 14 473                          | 63.67            | 29.34            | 103.84           | 0.3234 | 0.149  | 0.5275 | 274.9           | -1 534c                         | 26 534                          |      |  |  |
| 37 585                                                                                                                      | 15 475                          | 59.43            | 26.46            | 105.36           | 0.3107 | 0.1383 | 0.5508 | 270.6           | -1 538c                         | 27 538                          |      |  |  |
| 38 590                                                                                                                      | 15 476                          | 55.01            | 23.75            | 106.23           | 0.2973 | 0.1284 | 0.5742 | 266.5           | -1 542c                         | 28 542                          |      |  |  |
| 38 595                                                                                                                      | 15 477                          | 55.08            | 23.97            | 106.89           | 0.2962 | 0.1289 | 0.5748 | 266.1           | -1 542c                         | 28 542                          |      |  |  |
| 40 600                                                                                                                      | 15 478                          | 46.32            | 18.95            | 107.41           | 0.2682 | 0.1097 | 0.622  | 258.8           | -1 548c                         | 29 548                          |      |  |  |
| 41 605                                                                                                                      | 15 478                          | 42.24            | 16.9             | 107.81           | 0.253  | 0.1012 | 0.6457 | 255.4           | -1 550c                         | 30 550                          |      |  |  |
| 41 610                                                                                                                      | 15 479                          | 42.27            | 17.0             | 108.12           | 0.2525 | 0.1015 | 0.6458 | 255.3           | -1 550c                         | 30 550                          |      |  |  |
| 43 615                                                                                                                      | 15 479                          | 35.04            | 13.54            | 108.37           | 0.2232 | 0.0862 | 0.6904 | 249.6           | -1 554c                         | 30 554                          |      |  |  |
| 44 620                                                                                                                      | 15 479                          | 32.02            | 12.2             | 108.54           | 0.2096 | 0.0798 | 0.7104 | 247.2           | -1 555c                         | 31 555                          |      |  |  |
| 45 625                                                                                                                      | 15 479                          | 29.41            | 11.08            | 108.67           | 0.1971 | 0.0743 | 0.7285 | 245.2           | 2 414                           | 31 556                          |      |  |  |
| 46 630                                                                                                                      | 16 480                          | 27.24            | 10.18            | 108.79           | 0.1863 | 0.0696 | 0.744  | 243.5           | 5 429                           | 31 557                          |      |  |  |
| 47 635                                                                                                                      | 16 480                          | 25.47            | 9.47             | 108.87           | 0.1771 | 0.0658 | 0.7569 | 242.2           | 7 437                           | 31 558                          |      |  |  |
| 48 640                                                                                                                      | 16 480                          | 24.07            | 8.93             | 108.94           | 0.1696 | 0.0629 | 0.7674 | 241.2           | 8 442                           | 31 559                          |      |  |  |
| 48 645                                                                                                                      | 16 480                          | 24.08            | 8.96             | 109.0            | 0.1695 | 0.0631 | 0.7673 | 241.1           | 8 442                           | 31 559                          |      |  |  |
| 49 650                                                                                                                      | 16 480                          | 22.98            | 8.53             | 109.03           | 0.1635 | 0.0607 | 0.7757 | 240.3           | 9 445                           | 31 559                          |      |  |  |
| 51 655                                                                                                                      | 16 480                          | 21.52            | 7.96             | 109.05           | 0.1553 | 0.0574 | 0.7871 | 239.3           | 9 449                           | 32 560                          |      |  |  |
| 52 660                                                                                                                      | 16 480                          | 21.06            | 7.78             | 109.07           | 0.1527 | 0.0564 | 0.7907 | 239.0           | 9 449                           | 32 560                          |      |  |  |
| 53 665                                                                                                                      | 16 480                          | 20.73            | 7.66             | 109.08           | 0.1508 | 0.0557 | 0.7934 | 238.7           | 10 450                          | 32 560                          |      |  |  |
| 54 670                                                                                                                      | 16 480                          | 20.49            | 7.57             | 109.09           | 0.1494 | 0.0552 | 0.7953 | 238.5           | 10 450                          | 32 560                          |      |  |  |
| 55 675                                                                                                                      | 16 480                          | 20.33            | 7.51             | 109.1            | 0.1484 | 0.0549 | 0.7966 | 238.4           | 10 451                          | 32 560                          |      |  |  |
| 56 680                                                                                                                      | 16 480                          | 20.21            | 7.47             | 109.1            | 0.1477 | 0.0546 | 0.7975 | 238.3           | 10 451                          | 32 560                          |      |  |  |
| 57 685                                                                                                                      | 16 480                          | 20.13            | 7.44             | 109.1            | 0.1473 | 0.0544 | 0.7982 | 238.3           | 10 451                          | 32 560                          |      |  |  |
| 58 690                                                                                                                      | 16 480                          | 20.08            | 7.42             | 109.1            | 0.147  | 0.0543 | 0.7986 | 238.2           | 10 451                          | 32 560                          |      |  |  |
| 380                                                                                                                         | 770                             | 97.65            | 100.0            | 118.42           | 0.3089 | 0.3163 | 0.3746 | 0.0             |                                 |                                 |      |  |  |

5-001730-L0

SN630-7\_8

TUB-test chart SN63; maximum C<sub>AB</sub>, Y<sub>m</sub>=520\_770  
XYZ, xyz, h data for illuminant Q00, Y<sub>w,10</sub>=100

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> for Q00 and Y <sub>w,10</sub> =100, B <sub>m</sub> =380_520 |                                 |                  |                  |                  |        |        |        |                 |                                 |                                 |      |  |  |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------|------------------|------------------|--------|--------|--------|-----------------|---------------------------------|---------------------------------|------|--|--|
| i <sub>1</sub> , λ <sub>1</sub>                                                                                             | i <sub>2</sub> , λ <sub>2</sub> | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 31 556                                                                                                                      | 1 405                           | 64.2             | 43.69            | 2.84             | 0.5797 | 0.3945 | 0.0256 | 16.0            | 37 587                          | 15 475                          | Rm   |  |  |
| 31 556                                                                                                                      | 1 410                           | 64.08            | 43.52            | 2.84             | 0.5802 | 0.394  | 0.0257 | 15.9            | 37 587                          | 15 476                          |      |  |  |
| 31 557                                                                                                                      | 3 415                           | 65.46            | 43.48            | 9.98             | 0.5504 | 0.3656 | 0.0839 | 11.5            | 38 592                          | 15 477                          |      |  |  |
| 31 557                                                                                                                      | 4 420                           | 66.54            | 43.38            | 15.94            | 0.5286 | 0.3446 | 0.1266 | 7.3             | 39 598                          | 15 477                          |      |  |  |
| 31 557                                                                                                                      | 5 425                           | 67.87            | 43.29            | 23.38            | 0.5044 | 0.3217 | 0.1738 | 1.5             | 42 610                          | 15 479                          |      |  |  |
| 31 558                                                                                                                      | 5 430                           | 67.66            | 42.99            | 23.38            | 0.5047 | 0.3207 | 0.1744 | 1.2             | 42 611                          | 15 479                          |      |  |  |
| 31 558                                                                                                                      | 7 435                           | 71.08            | 43.16            | 41.86            | 0.4553 | 0.2764 | 0.2681 | 344.7           | -1 482c                         | 16 482                          |      |  |  |
| 31 558                                                                                                                      | 7 440                           | 70.78            | 42.74            | 41.86            | 0.4555 | 0.275  | 0.2694 | 344.2           | -1 483c                         | 16 483                          |      |  |  |
| 31 559                                                                                                                      | 9 445                           | 74.29            | 42.94            | 62.38            | 0.4136 | 0.239  | 0.3473 | 323.5           | -1 488c                         | 17 488                          |      |  |  |
| 32 560                                                                                                                      | 10 450                          | 75.56            | 42.73            | 72.24            | 0.3965 | 0.2242 | 0.3791 | 313.6           | -1 493c                         | 18 493                          |      |  |  |
| 32 561                                                                                                                      | 11 455                          | 76.32            | 42.25            | 81.4             | 0.3816 | 0.2112 | 0.407  | 304.7           | -1 498c                         | 19 498                          |      |  |  |
| 32 563                                                                                                                      | 12 460                          | 76.48            | 41.43            | 89.63            | 0.3685 | 0.1996 | 0.4318 | 297.0           | -1 506c                         | 21 506                          |      |  |  |
| 33 566                                                                                                                      | 13 465                          | 75.34            | 39.66            | 96.74            | 0.3557 | 0.1873 | 0.4568 | 289.9           | -1 515c                         | 23 515                          |      |  |  |
| 34 572                                                                                                                      | 13 470                          | 70.96            | 35.15            | 96.74            | 0.3497 | 0.1732 | 0.4769 | 285.9           | -1 520c                         | 24 520                          |      |  |  |
| 36 583                                                                                                                      | 15 475                          | 63.19            | 29.57            | 106.9            | 0.3164 | 0.1481 | 0.5354 | 272.5           | -1 536c                         | 27 536                          | Mm   |  |  |
| 45 629                                                                                                                      | 15 480                          | 28.4             | 10.14            | 106.9            | 0.1952 | 0.0697 | 0.7349 | 245.2           | 2 413                           | 31 556                          |      |  |  |
| -1 485c                                                                                                                     | 17 485                          | 20.17            | 9.45             | 112.51           | 0.1419 | 0.0664 | 0.7915 | 236.2           | 11 455                          | 32 561                          |      |  |  |
| -1 489c                                                                                                                     | 17 490                          | 20.17            | 9.45             | 112.51           | 0.1419 | 0.0664 | 0.7915 | 236.2           | 11 455                          | 32 561                          |      |  |  |
| -1 494c                                                                                                                     | 18 495                          | 20.22            | 11.19            | 114.22           | 0.1388 | 0.0768 | 0.7842 | 234.6           | 11 458                          | 32 562                          |      |  |  |
| -1 499c                                                                                                                     | 19 500                          | 20.24            | 13.21            | 115.45           | 0.1359 | 0.0887 | 0.7752 | 232.7           | 12 460                          | 32 563                          |      |  |  |
| -1 505c                                                                                                                     | 21 505                          | 20.41            | 18.18            | 116.97           | 0.1312 | 0.1168 | 0.7518 | 228.3           | 12 464                          | 33 566                          |      |  |  |
| -1 509c                                                                                                                     | 21 510                          | 20.41            | 18.18            | 116.97           | 0.1312 | 0.1168 | 0.7518 | 228.3           | 12 464                          | 33 566                          |      |  |  |
| -1 514c                                                                                                                     | 22 515                          | 20.66            | 21.16            | 117.42           | 0.1297 | 0.1328 | 0.7373 | 225.6           | 13 465                          | 33 567                          |      |  |  |
| -1 520c                                                                                                                     | 24 520                          | 21.75            | 28.05            | 117.98           | 0.1296 | 0.1672 | 0.7031 | 219.7           | 13 468                          | 34 570                          | Bm   |  |  |
| -1 525c                                                                                                                     | 25 525                          | 22.67            | 31.87            | 118.14           | 0.1312 | 0.1845 | 0.6841 | 216.5           | 13 469                          | 34 572                          |      |  |  |
| -1 530c                                                                                                                     | 26 530                          | 23.87            | 35.88            | 118.26           | 0.1341 | 0.2015 | 0.6643 | 213.3           | 14 471                          | 34 574                          |      |  |  |
| -1 534c                                                                                                                     | 26 535                          | 23.87            | 35.88            | 118.26           | 0.1341 | 0.2015 | 0.6643 | 213.3           | 14 471                          | 34 574                          |      |  |  |
| -1 539c                                                                                                                     | 27 540                          | 25.38            | 40.04            | 118.33           | 0.1381 | 0.2179 | 0.6439 | 209.9           | 14 472                          | 35 576                          |      |  |  |
| -1 545c                                                                                                                     | 29 545                          | 29.32            | 48.58            | 118.41           | 0.1493 | 0.2474 | 0.6031 | 203.3           | 14 474                          | 36 581                          |      |  |  |
| -1 550c                                                                                                                     | 30 550                          | 31.79            | 52.87            | 118.42           | 0.1565 | 0.2603 | 0.5831 | 200.1           | 15 475                          | 36 583                          |      |  |  |
| -1 554c                                                                                                                     | 30 555                          | 31.79            | 52.87            | 118.42           | 0.1565 | 0.2603 | 0.5831 | 200.1           | 15 475                          | 36 583                          |      |  |  |
| 9 447                                                                                                                       | 31 560                          | 22.01            | 55.28            | 55.49            | 0.1657 | 0.4162 | 0.4179 | 145.0           | 17 488                          | -1 488c                         |      |  |  |
| 12 462                                                                                                                      | 33 565                          | 23.94            | 61.74            | 28.61            | 0.2094 | 0.5401 | 0.2503 | 113.9           | 22 510                          | -1 510c                         |      |  |  |
| 13 468                                                                                                                      | 34 570                          | 26.52            | 64.69            | 20.8             | 0.2368 | 0.5774 | 0.1857 | 105.4           | 24 521                          | -1 521c                         |      |  |  |
| 14 471                                                                                                                      | 34 575                          | 25.97            | 64.03            | 16.9             | 0.2429 | 0.5988 | 0.1581 | 103.1           | 24 524                          | -1 524c                         |      |  |  |
| 14 473                                                                                                                      | 36 580                          | 33.97            | 70.65            | 14.57            | 0.285  | 0.5926 | 0.1222 | 94.9            | 26 534                          | -1 534c                         |      |  |  |
| 15 475                                                                                                                      | 37 585                          | 38.21            | 73.53            | 13.05            | 0.3062 | 0.5891 | 0.1046 | 90.5            | 27 538                          | -1 538c                         |      |  |  |
| 15 476                                                                                                                      | 38 590                          | 42.63            | 76.24            | 12.18            | 0.3252 | 0.5817 | 0.0929 | 86.4            | 28 542                          | -1 542c                         |      |  |  |
| 15 477                                                                                                                      | 38 595                          | 42.56            | 76.02            | 11.52            | 0.3271 | 0.5842 | 0.0885 | 86.0            | 28 542                          | -1 542c                         |      |  |  |
| 15 478                                                                                                                      | 40 600                          | 51.32            | 81.04            | 11.0             | 0.3579 | 0.5652 | 0.0767 | 78.8            | 29 548                          | -1 548c                         |      |  |  |
| 15 478                                                                                                                      | 41 605                          | 55.4             | 83.09            | 10.61            | 0.3715 | 0.5572 | 0.0711 | 75.4            | 30 550                          | -1 550c                         |      |  |  |
| 15 479                                                                                                                      | 41 610                          | 55.37            | 82.99            | 10.29            | 0.3724 | 0.5582 | 0.0692 | 75.2            | 30 550                          | -1 550c                         |      |  |  |
| 15 479                                                                                                                      | 43 615                          | 62.6             | 86.45            | 10.05            | 0.3934 | 0.5433 | 0.0631 | 69.5            | 30 554                          | -1 554c                         |      |  |  |
| 15 479                                                                                                                      | 44 620                          | 65.62            | 87.79            | 9.88             | 0.4018 | 0.5376 | 0.0605 | 67.1            | 31 555                          | -1 555c                         |      |  |  |
| 15 479                                                                                                                      | 45 625                          | 68.23            | 88.91            | 9.75             | 0.4088 | 0.5327 | 0.0584 | 65.1            | 31 556                          | 2 414                           |      |  |  |
| 16 480                                                                                                                      | 46 630                          | 70.4             | 89.81            | 9.62             | 0.4145 | 0.5287 | 0.0566 | 63.5            | 31 557                          | 5 429                           |      |  |  |
| 16 480                                                                                                                      | 47 635                          | 72.17            | 90.52            | 9.54             | 0.419  | 0.5255 | 0.0554 | 62.2            | 31 558                          | 7 437                           |      |  |  |
| 16 480                                                                                                                      | 48 640                          | 73.57            | 91.06            | 9.47             | 0.4225 | 0.523  | 0.0544 | 61.1            | 31 559                          | 8 442                           |      |  |  |
| 16 480                                                                                                                      | 48 645                          | 73.56            | 91.03            | 9.41             | 0.4227 | 0.5231 | 0.0541 | 61.1            | 31 559                          | 8 442                           |      |  |  |
| 16 480                                                                                                                      | 49 650                          | 74.66            | 91.46            | 9.38             | 0.4253 | 0.5211 | 0.0534 | 60.3            | 31 559                          | 9 445                           |      |  |  |
| 16 480                                                                                                                      | 51 655                          | 76.12            | 92.03            | 9.37             | 0.4287 | 0.5184 | 0.0527 | 59.3            | 32 560                          | 9 449                           |      |  |  |
| 16 480                                                                                                                      | 52 660                          | 76.58            | 92.21            | 9.35             | 0.4298 | 0.5176 | 0.0525 | 58.9            | 32 560                          | 9 449                           |      |  |  |
| 16 480                                                                                                                      | 53 665                          | 76.91            | 92.33            | 9.33             | 0.4306 | 0.517  | 0.0522 | 58.7            | 32 560                          | 10 450                          |      |  |  |
| 16 480                                                                                                                      | 54 670                          | 77.15            | 92.42            | 9.33             | 0.4312 | 0.5165 | 0.0521 | 58.5            | 32 560                          | 10 450                          |      |  |  |
| 16 480                                                                                                                      | 55 675                          | 77.31            | 92.48            | 9.32             | 0.4316 | 0.5163 | 0.052  | 58.4            | 32 560                          | 10 451                          |      |  |  |
| 16 480                                                                                                                      | 56 680                          | 77.43            | 92.52            | 9.31             | 0.4319 | 0.516  | 0.0519 | 58.3            | 32 560                          | 10 451                          |      |  |  |
| 16 480                                                                                                                      | 57 689                          | 77.51            | 92.55            | 9.31             | 0.4321 | 0.5159 | 0.0519 | 58.3            | 32 560                          | 10 451                          |      |  |  |
| 16 480                                                                                                                      | 58 690                          | 77.56            | 92.57            | 9.31             | 0.4322 | 0.5158 | 0.0519 | 58.2            | 32 560                          | 10 451                          |      |  |  |
| 380                                                                                                                         | 770                             | 97.65            | 100.0            | 118.42           | 0.3089 | 0.3163 | 0.3746 | 0.0             |                                 |                                 |      |  |  |