

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> , 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> | L* <sub>100</sub> | a* <sub>100</sub> | b* <sub>100</sub> | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 0 405                                                                                                                  | 32 561                          | 80.85             | -67.55            | -32.53            | 74.98            | 0.1805 | -0.1029 | 205.7           | 16 483                          | 37 589                          | Cm   |  |  |
| 6 435                                                                                                                  | 32 562                          | 81.18             | -81.89            | -19.25            | 84.12            | 0.1732 | -0.096  | 193.2           | 17 486                          | 42 610                          |      |  |  |
| 10 450                                                                                                                 | 32 563                          | 81.52             | -109.06           | 11.43             | 109.66           | 0.1595 | -0.0803 | 174.0           | 19 496                          | -1 496c                         |      |  |  |
| 12 460                                                                                                                 | 33 565                          | 82.01             | -120.74           | 33.26             | 125.24           | 0.1538 | -0.0692 | 164.5           | 21 505                          | -1 505c                         |      |  |  |
| 12 465                                                                                                                 | 33 567                          | 82.74             | -118.76           | 34.5              | 123.67           | 0.1552 | -0.0687 | 163.8           | 21 506                          | -1 506c                         |      |  |  |
| 14 470                                                                                                                 | 33 569                          | 83.3              | -123.47           | 57.53             | 136.22           | 0.1532 | -0.0572 | 155.0           | 24 520                          | -1 520c                         |      |  |  |
| 15 475                                                                                                                 | 34 573                          | 84.63             | -118.73           | 70.39             | 138.03           | 0.1564 | -0.0512 | 149.3           | 25 528                          | -1 528c                         | Gm   |  |  |
| 16 480                                                                                                                 | 36 580                          | 86.98             | -107.21           | 84.2              | 136.33           | 0.1633 | -0.0452 | 141.8           | 27 537                          | -1 537c                         |      |  |  |
| 17 485                                                                                                                 | 39 595                          | 91.12             | -80.53            | 100.07            | 128.46           | 0.1778 | -0.0394 | 128.8           | 29 548                          | -1 548c                         |      |  |  |
| 18 490                                                                                                                 | -1 490c                         | 97.55             | -23.15            | 119.05            | 121.28           | 0.2052 | -0.0337 | 101.0           | 33 565                          | 11 459                          |      |  |  |
| 19 495                                                                                                                 | -1 495c                         | 96.94             | -20.63            | 125.42            | 127.1            | 0.2062 | -0.0306 | 99.3            | 33 566                          | 12 462                          |      |  |  |
| 20 500                                                                                                                 | -1 500c                         | 96.17             | -17.33            | 131.15            | 132.29           | 0.2076 | -0.0277 | 97.5            | 33 567                          | 12 464                          |      |  |  |
| 22 510                                                                                                                 | -1 510c                         | 94.0              | -8.24             | 140.17            | 140.41           | 0.2116 | -0.0224 | 93.3            | 33 569                          | 13 469                          |      |  |  |
| 23 520                                                                                                                 | -1 519c                         | 92.57             | -2.53             | 142.99            | 143.01           | 0.2142 | -0.0202 | 91.0            | 34 570                          | 14 471                          | Ym   |  |  |
| 25 530                                                                                                                 | -1 529c                         | 88.94             | 10.79             | 144.39            | 144.79           | 0.2205 | -0.0165 | 85.7            | 34 573                          | 15 475                          |      |  |  |
| 27 540                                                                                                                 | -1 539c                         | 84.43             | 25.54             | 141.4             | 143.69           | 0.2281 | -0.0134 | 79.7            | 35 577                          | 15 478                          |      |  |  |
| 28 545                                                                                                                 | -1 544c                         | 81.91             | 33.05             | 138.34            | 142.24           | 0.2322 | -0.0121 | 76.5            | 35 579                          | 15 479                          |      |  |  |
| 29 550                                                                                                                 | -1 549c                         | 79.2              | 40.58             | 134.51            | 140.5            | 0.2367 | -0.0111 | 73.2            | 36 582                          | 16 480                          |      |  |  |
| 30 555                                                                                                                 | -1 554c                         | 76.32             | 47.96             | 130.1             | 138.66           | 0.2413 | -0.0103 | 69.7            | 36 584                          | 16 481                          |      |  |  |
| 32 560                                                                                                                 | -1 560c                         | 70.18             | 61.63             | 120.13            | 135.02           | 0.2511 | -0.0093 | 62.8            | 37 589                          | 16 483                          |      |  |  |
| 32 561                                                                                                                 | 0 405                           | 70.73             | 60.89             | 110.07            | 125.79           | 0.2505 | -0.022  | 61.0            | 37 589                          | 16 483                          | Rm   |  |  |
| 32 562                                                                                                                 | 6 435                           | 70.32             | 70.59             | 34.83             | 78.71            | 0.2562 | -0.0659 | 26.2            | 42 610                          | 17 486                          |      |  |  |
| 32 563                                                                                                                 | 10 450                          | 69.88             | 85.85             | -12.65            | 86.77            | 0.2653 | -0.0935 | 351.6           | -1 496c                         | 19 496                          |      |  |  |
| 33 565                                                                                                                 | 12 460                          | 69.24             | 92.89             | -29.54            | 97.47            | 0.2698 | -0.1035 | 342.3           | -1 505c                         | 21 505                          |      |  |  |
| 33 567                                                                                                                 | 12 465                          | 68.27             | 94.84             | -31.22            | 99.85            | 0.2716 | -0.1046 | 341.7           | -1 506c                         | 21 506                          |      |  |  |
| 33 569                                                                                                                 | 14 470                          | 67.48             | 99.24             | -42.98            | 108.15           | 0.2748 | -0.1119 | 336.5           | -1 520c                         | 24 520                          |      |  |  |
| 34 573                                                                                                                 | 15 475                          | 65.52             | 102.87            | -49.85            | 114.31           | 0.2784 | -0.1167 | 334.1           | -1 528c                         | 25 528                          | Mm   |  |  |
| 36 580                                                                                                                 | 16 480                          | 61.69             | 107.96            | -59.02            | 123.04           | 0.2848 | -0.1241 | 331.3           | -1 537c                         | 27 537                          |      |  |  |
| 39 595                                                                                                                 | 17 485                          | 53.22             | 112.99            | -75.47            | 135.88           | 0.297  | -0.1406 | 326.2           | -1 548c                         | 29 548                          |      |  |  |
| -1 490c                                                                                                                | 18 490                          | 29.91             | 89.01             | -117.0            | 147.01           | 0.3124 | -0.2136 | 307.2           | 11 459                          | 33 565                          |      |  |  |
| -1 495c                                                                                                                | 19 495                          | 33.36             | 74.42             | -112.09           | 134.55           | 0.2908 | -0.1997 | 303.5           | 12 462                          | 33 566                          |      |  |  |
| -1 500c                                                                                                                | 20 500                          | 37.09             | 58.44             | -106.44           | 121.43           | 0.2704 | -0.1864 | 298.7           | 12 464                          | 33 567                          |      |  |  |
| -1 510c                                                                                                                | 22 510                          | 45.26             | 23.9              | -93.37            | 96.38            | 0.2349 | -0.1623 | 284.3           | 13 469                          | 33 569                          |      |  |  |
| -1 519c                                                                                                                | 23 520                          | 49.52             | 6.76              | -86.32            | 86.58            | 0.2205 | -0.152  | 274.4           | 14 471                          | 34 570                          | Bm   |  |  |
| -1 529c                                                                                                                | 25 530                          | 58.0              | -23.98            | -72.06            | 75.95            | 0.1992 | -0.1348 | 251.5           | 15 475                          | 34 573                          |      |  |  |
| -1 539c                                                                                                                | 27 540                          | 65.83             | -46.7             | -58.75            | 75.05            | 0.1868 | -0.122  | 231.5           | 15 478                          | 35 577                          |      |  |  |
| -1 544c                                                                                                                | 28 545                          | 69.38             | -54.68            | -52.68            | 75.93            | 0.1833 | -0.117  | 223.9           | 15 479                          | 35 579                          |      |  |  |
| -1 549c                                                                                                                | 29 550                          | 72.72             | -60.59            | -46.95            | 76.65            | 0.1812 | -0.1126 | 217.7           | 16 480                          | 36 582                          |      |  |  |
| -1 554c                                                                                                                | 30 555                          | 75.82             | -64.5             | -41.62            | 76.77            | 0.1803 | -0.1088 | 212.8           | 16 481                          | 36 584                          |      |  |  |
| -1 560c                                                                                                                | 32 560                          | 81.29             | -66.96            | -32.22            | 74.32            | 0.181  | -0.1027 | 205.6           | 16 483                          | 37 589                          |      |  |  |
| 380                                                                                                                    | 770                             | 100.0             | 0.0               | 0.0               | 0.0              | 0.2154 | -0.0861 | 0.0             |                                 |                                 |      |  |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> , 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> | L* <sub>100</sub> | a* <sub>100</sub> | b* <sub>100</sub> | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 1 405                                                                                                                  | 32 564                          | 80.64             | -79.12            | -32.66            | 85.6             | 0.1753 | -0.0939 | 202.4           | 17 486                          | 38 592                          | Cm   |  |  |
| 7 435                                                                                                                  | 33 565                          | 80.84             | -92.99            | -16.32            | 94.42            | 0.1682 | -0.0862 | 189.9           | 18 490                          | 46 634                          |      |  |  |
| 10 450                                                                                                                 | 33 566                          | 81.12             | -108.34           | 7.14              | 108.58           | 0.1604 | -0.0752 | 176.2           | 19 497                          | -1 497c                         |      |  |  |
| 12 460                                                                                                                 | 33 567                          | 81.46             | -116.97           | 28.06             | 120.29           | 0.1561 | -0.0654 | 166.5           | 21 506                          | -1 506c                         |      |  |  |
| 13 465                                                                                                                 | 33 568                          | 81.82             | -119.26           | 39.57             | 125.66           | 0.1552 | -0.0601 | 161.6           | 22 511                          | -1 511c                         |      |  |  |
| 14 470                                                                                                                 | 34 570                          | 82.4              | -119.22           | 51.38             | 129.82           | 0.1555 | -0.0547 | 156.6           | 23 519                          | -1 519c                         |      |  |  |
| 15 475                                                                                                                 | 34 573                          | 83.39             | -115.8            | 63.56             | 132.1            | 0.1579 | -0.0494 | 151.2           | 25 527                          | -1 527c                         | Gm   |  |  |
| 15 480                                                                                                                 | 35 578                          | 85.46             | -107.76           | 67.11             | 126.95           | 0.1631 | -0.0484 | 148.0           | 26 531                          | -1 531c                         |      |  |  |
| 17 485                                                                                                                 | 37 587                          | 88.09             | -90.84            | 90.18             | 128.01           | 0.1726 | -0.039  | 135.2           | 28 544                          | -1 544c                         |      |  |  |
| 18 490                                                                                                                 | 44 620                          | 95.17             | -39.39            | 110.34            | 117.16           | 0.1986 | -0.0333 | 109.6           | 32 561                          | -1 561c                         |      |  |  |
| 19 495                                                                                                                 | -1 495c                         | 97.49             | -13.34            | 121.9             | 122.63           | 0.2105 | -0.0295 | 96.2            | 33 568                          | 12 463                          |      |  |  |
| 20 500                                                                                                                 | -1 500c                         | 96.81             | -10.45            | 127.99            | 128.42           | 0.2118 | -0.0268 | 94.6            | 33 569                          | 13 466                          |      |  |  |
| 22 510                                                                                                                 | -1 510c                         | 94.88             | -2.34             | 137.84            | 137.86           | 0.2153 | -0.0218 | 90.9            | 34 571                          | 14 471                          |      |  |  |
| 23 520                                                                                                                 | -1 519c                         | 93.58             | 2.85              | 141.13            | 141.16           | 0.2177 | -0.0198 | 88.8            | 34 572                          | 14 473                          | Ym   |  |  |
| 25 530                                                                                                                 | -1 529c                         | 90.23             | 15.24             | 146.8             | 147.59           | 0.2236 | -0.0162 | 84.0            | 35 575                          | 15 477                          |      |  |  |
| 27 540                                                                                                                 | -1 539c                         | 86.01             | 29.18             | 144.12            | 147.04           | 0.2308 | -0.0132 | 78.5            | 35 579                          | 16 480                          |      |  |  |
| 28 545                                                                                                                 | -1 544c                         | 83.62             | 36.35             | 141.27            | 145.87           | 0.2347 | -0.012  | 75.5            | 36 581                          | 16 481                          |      |  |  |
| 29 550                                                                                                                 | -1 549c                         | 81.05             | 43.6              | 137.66            | 144.4            | 0.239  | -0.011  | 72.4            | 36 583                          | 16 483                          |      |  |  |
| 30 555                                                                                                                 | -1 554c                         | 78.3              | 50.75             | 133.47            | 142.8            | 0.2434 | -0.0102 | 69.1            | 37 585                          | 16 484                          |      |  |  |
| 32 560                                                                                                                 | -1 560c                         | 72.41             | 64.12             | 123.93            | 139.53           | 0.2528 | -0.0092 | 62.6            | 38 590                          | 17 486                          |      |  |  |
| 32 564                                                                                                                 | 1 405                           | 71.0              | 67.41             | 105.72            | 125.38           | 0.2553 | -0.0231 | 57.4            | 38 592                          | 17 486                          | Rm   |  |  |
| 33 565                                                                                                                 | 7 435                           | 70.75             | 75.66             | 26.96             | 80.32            | 0.2602 | -0.0643 | 19.6            | 46 634                          | 18 490                          |      |  |  |
| 33 566                                                                                                                 | 10 450                          | 70.4              | 84.09             | -8.19             | 84.49            | 0.2653 | -0.0828 | 354.4           | -1 497c                         | 19 497                          |      |  |  |
| 33 567                                                                                                                 | 12 460                          | 69.97             | 89.18             | -25.67            | 92.8             | 0.2685 | -0.0921 | 343.9           | -1 506c                         | 21 506                          |      |  |  |
| 33 568                                                                                                                 | 13 465                          | 69.5              | 91.5              | -32.77            | 97.19            | 0.2702 | -0.096  | 340.2           | -1 511c                         | 22 511                          |      |  |  |
| 34 570                                                                                                                 | 14 470                          | 68.72             | 93.74             | -39.06            | 101.56           | 0.272  | -0.0995 | 337.3           | -1 519c                         | 23 519                          |      |  |  |
| 34 573                                                                                                                 | 15 475                          | 67.36             | 96.12             | -45.24            | 106.24           | 0.2743 | -0.1032 | 334.7           | -1 527c                         | 25 527                          | Mm   |  |  |
| 35 578                                                                                                                 | 15 480                          | 64.23             | 100.99            | -50.63            | 112.97           | 0.2796 | -0.1073 | 333.3           | -1 531c                         | 26 531                          |      |  |  |
| 37 587                                                                                                                 | 17 485                          | 59.67             | 103.27            | -63.42            | 121.19           | 0.285  | -0.1167 | 328.4           | -1 544c                         | 28 544                          |      |  |  |
| 44 620                                                                                                                 | 18 490                          | 41.19             | 95.32             | -96.8             | 135.85           | 0.3001 | -0.1557 | 314.5           | -1 561c                         | 32 561                          |      |  |  |
| -1 495c                                                                                                                | 19 495                          | 30.29             | 58.93             | -116.79           | 130.82           | 0.2804 | -0.1936 | 296.7           | 12 463                          | 33 568                          |      |  |  |
| -1 500c                                                                                                                | 20 500                          | 34.03             | 42.92             | -111.26           | 119.25           | 0.2595 | -0.1799 | 291.0           | 13 466                          | 33 569                          |      |  |  |
| -1 510c                                                                                                                | 22 510                          | 42.26             | 8.18              | -98.28            | 98.62            | 0.2235 | -0.1554 | 274.7           | 14 471                          | 34 571                          |      |  |  |
| -1 519c                                                                                                                | 23 520                          | 46.59             | -9.12             | -91.17            | 91.63            | 0.2091 | -0.1449 | 264.2           | 14 473                          | 34 572                          | Bm   |  |  |
| -1 529c                                                                                                                | 25 530                          | 55.28             | -39.96            | -76.64            | 86.43            | 0.1882 | -0.1275 | 242.4           | 15 477                          | 35 575                          |      |  |  |
| -1 539c                                                                                                                | 27 540                          | 63.34             | -62.09            | -62.98            | 88.44            | 0.1771 | -0.1147 | 225.4           | 16 480                          | 35 579                          |      |  |  |
| -1 544c                                                                                                                | 28 545                          | 67.02             | -69.55            | -56.7             | 89.74            | 0.1743 | -0.1096 | 219.1           | 16 481                          | 36 581                          |      |  |  |
| -1 549c                                                                                                                | 29 550                          | 70.49             | -74.83            | -50.77            | 90.42            | 0.1729 | -0.1053 | 214.1           | 16 483                          | 36 583                          |      |  |  |
| -1 554c                                                                                                                | 30 555                          | 73.73             | -78.04            | -45.21            | 90.19            | 0.1727 | -0.1015 | 210.0           | 16 484                          | 37 585                          |      |  |  |
| -1 560c                                                                                                                | 32 560                          | 79.46             | -78.96            | -35.36            | 86.52            | 0.1749 | -0.0954 | 204.1           | 17 486                          | 38 590                          |      |  |  |
| 380                                                                                                                    | 770                             | 100.0             | 0.0               | 0.0               | 0.0              | 0.2164 | -0.0785 | 0.0             |                                 |                                 |      |  |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> , P40 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> | L* <sub>100</sub> | a* <sub>100</sub> | b* <sub>100</sub> | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 0 405                                                                                                                  | 33 568                          | 79.95             | -84.51            | -34.12            | 91.14            | 0.1748 | -0.0873 | 201.9           | 17 488                          | 38 594                          | Cm   |  |  |
| 7 435                                                                                                                  | 33 568                          | 80.1              | -96.58            | -15.98            | 97.9             | 0.1685 | -0.0794 | 189.3           | 18 493                          | 54 674                          |      |  |  |
| 10 450                                                                                                                 | 33 569                          | 80.34             | -107.65           | 6.16              | 107.83           | 0.1627 | -0.0697 | 176.7           | 19 499                          | -1 499c                         |      |  |  |
| 12 460                                                                                                                 | 34 570                          | 80.63             | -113.5            | 25.58             | 116.35           | 0.1598 | -0.0613 | 167.2           | 21 507                          | -1 507c                         |      |  |  |
| 13 465                                                                                                                 | 34 571                          | 80.91             | -114.78           | 36.41             | 120.41           | 0.1593 | -0.0566 | 162.3           | 22 512                          | -1 512c                         |      |  |  |
| 14 470                                                                                                                 | 34 572                          | 81.39             | -114.41           | 47.53             | 123.89           | 0.1598 | -0.0519 | 157.4           | 23 519                          | -1 519c                         |      |  |  |
| 14 475                                                                                                                 | 34 574                          | 82.45             | -111.22           | 49.34             | 121.68           | 0.1621 | -0.0513 | 156.0           | 24 522                          | -1 522c                         | Gm   |  |  |
| 15 480                                                                                                                 | 35 578                          | 83.87             | -105.72           | 61.75             | 122.43           | 0.1657 | -0.0464 | 149.7           | 26 531                          | -1 531c                         |      |  |  |
| 17 485                                                                                                                 | 37 585                          | 86.02             | -93.35            | 83.49             | 125.24           | 0.1731 | -0.038  | 138.1           | 28 543                          | -1 543c                         |      |  |  |
| 17 490                                                                                                                 | 40 600                          | 91.25             | -65.8             | 92.44             | 113.47           | 0.1884 | -0.0362 | 125.4           | 30 554                          | -1 554c                         |      |  |  |
| 19 495                                                                                                                 | -1 495c                         | 97.98             | -9.02             | 119.65            | 119.99           | 0.2157 | -0.0283 | 94.3            | 34 571                          | 12 464                          |      |  |  |
| 20 500                                                                                                                 | -1 500c                         | 97.41             | -6.56             | 125.94            | 126.11           | 0.2168 | -0.0257 | 92.9            | 34 571                          | 13 467                          |      |  |  |
| 21 510                                                                                                                 | -1 509c                         | 96.66             | -3.4              | 131.64            | 131.68           | 0.2182 | -0.0233 | 91.4            | 34 572                          | 13 469                          |      |  |  |
| 24 520                                                                                                                 | -1 520c                         | 93.2              | 10.4              | 142.94            | 143.32           | 0.2246 | -0.0173 | 85.8            | 35 575                          | 15 476                          | Ym   |  |  |
| 26 530                                                                                                                 | -1 530c                         | 89.83             | 22.28             | 149.05            | 150.71           | 0.2305 | -0.0142 | 81.4            | 35 578                          | 16 480                          |      |  |  |
| 27 540                                                                                                                 | -1 539c                         | 87.86             | 28.7              | 147.39            | 150.16           | 0.2338 | -0.0129 | 78.9            | 36 580                          | 16 481                          |      |  |  |
| 29 545                                                                                                                 | -1 545c                         | 83.37             | 41.99             | 141.62            | 147.72           | 0.2413 | -0.0108 | 73.4            | 36 584                          | 16 484                          |      |  |  |
| 29 550                                                                                                                 | -1 549c                         | 83.37             | 41.99             | 141.62            | 147.72           | 0.2413 | -0.0108 | 73.4            | 36 584                          | 16 484                          |      |  |  |
| 31 555                                                                                                                 | -1 555c                         | 78.17             | 55.22             | 133.54            | 144.51           | 0.2496 | -0.0095 | 67.5            | 37 588                          | 17 486                          |      |  |  |
| 32 560                                                                                                                 | -1 560c                         | 75.32             | 61.53             | 128.87            | 142.81           | 0.2541 | -0.0091 | 64.4            | 38 591                          | 17 487                          |      |  |  |
| 33 568                                                                                                                 | 0 405                           | 71.84             | 68.49             | 117.18            | 135.73           | 0.2595 | -0.0179 | 59.6            | 38 594                          | 17 488                          | Rm   |  |  |
| 33 568                                                                                                                 | 7 435                           | 71.65             | 75.18             | 25.05             | 79.24            | 0.2635 | -0.0604 | 18.4            | 54 674                          | 18 493                          |      |  |  |
| 33 569                                                                                                                 | 10 450                          | 71.37             | 81.14             | -6.9              | 81.43            | 0.2671 | -0.0757 | 355.1           | -1 499c                         | 19 499                          |      |  |  |
| 34 570                                                                                                                 | 12 460                          | 71.01             | 84.71             | -23.18            | 87.82            | 0.2694 | -0.0836 | 344.6           | -1 507c                         | 21 507                          |      |  |  |
| 34 571                                                                                                                 | 13 465                          | 70.66             | 86.26             | -29.94            | 91.31            | 0.2705 | -0.0869 | 340.8           | -1 512c                         | 22 512                          |      |  |  |
| 34 572                                                                                                                 | 14 470                          | 70.05             | 87.8              | -35.89            | 94.85            | 0.2718 | -0.0899 | 337.7           | -1 519c                         | 23 519                          |      |  |  |
| 34 574                                                                                                                 | 14 475                          | 68.66             | 90.25             | -38.28            | 98.03            | 0.2741 | -0.0914 | 337.0           | -1 522c                         | 24 522                          | Mm   |  |  |
| 35 578                                                                                                                 | 15 480                          | 66.66             | 93.09             | -45.56            | 103.65           | 0.2772 | -0.0956 | 333.9           | -1 531c                         | 26 531                          |      |  |  |
| 37 585                                                                                                                 | 17 485                          | 63.33             | 95.05             | -56.43            | 110.54           | 0.2808 | -0.1023 | 329.3           | -1 543c                         | 28 543                          |      |  |  |
| 40 600                                                                                                                 | 17 490                          | 52.92             | 100.17            | -74.36            | 124.76           | 0.2939 | -0.1177 | 323.4           | -1 554c                         | 30 554                          |      |  |  |
| -1 495c                                                                                                                | 19 495                          | 27.1              | 48.32             | -121.83           | 131.07           | 0.277  | -0.1913 | 291.6           | 12 464                          | 34 571                          |      |  |  |
| -1 500c                                                                                                                | 20 500                          | 30.79             | 32.53             | -116.48           | 120.94           | 0.2552 | -0.1771 | 285.6           | 13 467                          | 34 571                          |      |  |  |
| -1 509c                                                                                                                | 21 510                          | 34.77             | 15.53             | -110.39           | 111.48           | 0.2353 | -0.1638 | 278.0           | 13 469                          | 34 572                          |      |  |  |
| -1 520c                                                                                                                | 24 520                          | 47.74             | -35.63            | -89.33            | 96.18            | 0.1912 | -0.1313 | 248.2           | 15 476                          | 35 575                          | Bm   |  |  |
| -1 530c                                                                                                                | 26 530                          | 56.15             | -61.81            | -75.22            | 97.36            | 0.176  | -0.1162 | 230.5           | 16 480                          | 35 578                          |      |  |  |
| -1 539c                                                                                                                | 27 540                          | 60.09             | -71.38            | -68.53            | 98.96            | 0.1719 | -0.1102 | 223.8           | 16 481                          | 36 580                          |      |  |  |
| -1 545c                                                                                                                | 29 545                          | 67.38             | -83.62            | -56.09            | 100.69           | 0.1686 | -0.1007 | 213.8           | 16 484                          | 36 584                          |      |  |  |
| -1 549c                                                                                                                | 29 550                          | 67.38             | -83.62            | -56.09            | 100.69           | 0.1686 | -0.1007 | 213.8           | 16 484                          | 36 584                          |      |  |  |
| -1 555c                                                                                                                | 31 555                          | 73.87             | -87.57            | -44.97            | 98.45            | 0.17   | -0.0934 | 207.1           | 17 486                          | 37 588                          |      |  |  |
| -1 560c                                                                                                                | 32 560                          | 76.81             | -86.88            | -39.92            | 95.61            | 0.172  | -0.0905 | 204.6           | 17 487                          | 38 591                          |      |  |  |
| 380                                                                                                                    | 770                             | 100.0             | 0.0               | 0.0               | 0.0              | 0.2197 | -0.0724 | 0.0             |                                 |                                 |      |  |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> , 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> | L* <sub>100</sub> | a* <sub>100</sub> | b* <sub>100</sub> | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 1 405                                                                                                                  | 34 574                          | 78.85             | −93.32            | −35.89            | 99.98            | 0.1744 | −0.0723 | 201.0           | 18 494                          | 39 599                          | Cm   |  |  |
| 6 435                                                                                                                  | 34 574                          | 78.96             | −96.73            | −26.37            | 100.26           | 0.1726 | −0.0689 | 195.2           | 19 496                          | 42 611                          |      |  |  |
| 9 450                                                                                                                  | 34 574                          | 79.11             | −101.61           | −9.74             | 102.07           | 0.17   | −0.0628 | 185.4           | 20 501                          | −1 501c                         |      |  |  |
| 12 460                                                                                                                 | 35 575                          | 79.23             | −106.37           | 15.06             | 107.44           | 0.1674 | −0.0539 | 171.9           | 21 508                          | −1 508c                         |      |  |  |
| 13 465                                                                                                                 | 35 575                          | 79.39             | −106.94           | 25.06             | 109.84           | 0.1672 | −0.0503 | 166.8           | 22 512                          | −1 512c                         |      |  |  |
| 13 470                                                                                                                 | 35 576                          | 79.77             | −105.73           | 25.71             | 108.81           | 0.1681 | −0.0501 | 166.3           | 22 513                          | −1 513c                         |      |  |  |
| 14 475                                                                                                                 | 35 577                          | 80.24             | −104.74           | 36.37             | 110.87           | 0.1689 | −0.0463 | 160.8           | 23 519                          | −1 519c                         | Gm   |  |  |
| 16 480                                                                                                                 | 35 579                          | 80.85             | −102.02           | 56.29             | 116.52           | 0.1708 | −0.0393 | 151.1           | 26 532                          | −1 532c                         |      |  |  |
| 17 485                                                                                                                 | 36 582                          | 82.14             | −95.87            | 67.16             | 117.06           | 0.1748 | −0.0357 | 144.9           | 28 540                          | −1 540c                         |      |  |  |
| 18 490                                                                                                                 | 37 588                          | 84.48             | −84.64            | 79.28             | 115.97           | 0.1818 | −0.0321 | 136.8           | 29 548                          | −1 548c                         |      |  |  |
| 19 495                                                                                                                 | 40 601                          | 89.15             | −59.87            | 94.98             | 112.27           | 0.1962 | −0.0282 | 122.2           | 31 559                          | −1 559c                         |      |  |  |
| 20 500                                                                                                                 | −1 500c                         | 98.3              | −0.99             | 118.2             | 118.21           | 0.2256 | −0.0237 | 90.4            | 35 576                          | 13 469                          |      |  |  |
| 21 510                                                                                                                 | −1 509c                         | 97.76             | 1.33              | 124.56            | 124.57           | 0.2266 | −0.0216 | 89.3            | 35 576                          | 14 472                          |      |  |  |
| 24 520                                                                                                                 | −1 520c                         | 95.08             | 12.06             | 138.4             | 138.92           | 0.2317 | −0.0164 | 85.0            | 35 579                          | 16 480                          | Ym   |  |  |
| 26 530                                                                                                                 | −1 530c                         | 92.36             | 21.85             | 143.79            | 145.44           | 0.2366 | −0.0136 | 81.3            | 36 582                          | 16 484                          |      |  |  |
| 28 540                                                                                                                 | −1 540c                         | 88.89             | 33.07             | 150.37            | 153.97           | 0.2426 | −0.0113 | 77.5            | 37 585                          | 17 487                          |      |  |  |
| 28 545                                                                                                                 | −1 544c                         | 88.89             | 33.07             | 150.37            | 153.97           | 0.2426 | −0.0113 | 77.5            | 37 585                          | 17 487                          |      |  |  |
| 29 550                                                                                                                 | −1 549c                         | 86.88             | 39.02             | 147.63            | 152.7            | 0.2459 | −0.0105 | 75.1            | 37 586                          | 17 489                          |      |  |  |
| 31 555                                                                                                                 | −1 555c                         | 82.29             | 51.17             | 140.56            | 149.59           | 0.2533 | −0.0093 | 69.9            | 38 590                          | 18 491                          |      |  |  |
| 32 560                                                                                                                 | −1 560c                         | 79.72             | 57.15             | 136.37            | 147.86           | 0.2573 | −0.0089 | 67.2            | 38 593                          | 18 492                          |      |  |  |
| 34 574                                                                                                                 | 1 405                           | 73.11             | 69.93             | 121.37            | 140.08           | 0.2672 | −0.0157 | 60.0            | 39 599                          | 18 494                          | Rm   |  |  |
| 34 574                                                                                                                 | 6 435                           | 72.99             | 71.86             | 49.23             | 87.11            | 0.2684 | −0.0403 | 34.4            | 42 611                          | 19 496                          |      |  |  |
| 34 574                                                                                                                 | 9 450                           | 72.81             | 74.57             | 12.9              | 75.68            | 0.2701 | −0.0543 | 9.8             | −1 501c                         | 20 501                          |      |  |  |
| 35 575                                                                                                                 | 12 460                          | 72.68             | 77.06             | −14.42            | 78.4             | 0.2716 | −0.0649 | 349.3           | −1 508c                         | 21 508                          |      |  |  |
| 35 575                                                                                                                 | 13 465                          | 72.49             | 77.79             | −21.68            | 80.76            | 0.2721 | −0.0677 | 344.4           | −1 512c                         | 22 512                          |      |  |  |
| 35 576                                                                                                                 | 13 470                          | 72.05             | 78.44             | −22.44            | 81.59            | 0.2728 | −0.0681 | 344.0           | −1 513c                         | 22 513                          |      |  |  |
| 35 577                                                                                                                 | 14 475                          | 71.48             | 79.51             | −29.1             | 84.67            | 0.2737 | −0.0708 | 339.8           | −1 519c                         | 23 519                          | Mm   |  |  |
| 35 579                                                                                                                 | 16 480                          | 70.74             | 80.2              | −38.45            | 88.95            | 0.2745 | −0.0746 | 334.3           | −1 532c                         | 26 532                          |      |  |  |
| 36 582                                                                                                                 | 17 485                          | 69.07             | 81.43             | −44.04            | 92.58            | 0.2762 | −0.0771 | 331.5           | −1 540c                         | 28 540                          |      |  |  |
| 37 588                                                                                                                 | 18 490                          | 65.76             | 83.25             | −51.87            | 98.09            | 0.2794 | −0.0811 | 328.0           | −1 548c                         | 29 548                          |      |  |  |
| 40 601                                                                                                                 | 19 495                          | 57.58             | 83.12             | −67.63            | 107.16           | 0.2853 | −0.091  | 320.8           | −1 559c                         | 31 559                          |      |  |  |
| −1 500c                                                                                                                | 20 500                          | 24.74             | 7.45              | −125.58           | 125.81           | 0.2356 | −0.1655 | 273.3           | 13 469                          | 35 576                          |      |  |  |
| −1 509c                                                                                                                | 21 510                          | 28.63             | −9.11             | −119.95           | 120.29           | 0.2153 | −0.1519 | 265.6           | 14 472                          | 35 576                          |      |  |  |
| −1 520c                                                                                                                | 24 520                          | 41.52             | −59.07            | −99.57            | 115.77           | 0.1721 | −0.1189 | 239.3           | 16 480                          | 35 579                          | Bm   |  |  |
| −1 530c                                                                                                                | 26 530                          | 50.09             | −83.73            | −85.38            | 119.59           | 0.1595 | −0.1038 | 225.5           | 16 484                          | 36 582                          |      |  |  |
| −1 540c                                                                                                                | 28 540                          | 58.11             | −98.44            | −71.87            | 121.88           | 0.1563 | −0.0927 | 216.1           | 17 487                          | 37 585                          |      |  |  |
| −1 544c                                                                                                                | 28 545                          | 58.11             | −98.44            | −71.87            | 121.88           | 0.1563 | −0.0927 | 216.1           | 17 487                          | 37 585                          |      |  |  |
| −1 549c                                                                                                                | 29 550                          | 61.87             | −102.31           | −65.48            | 121.47           | 0.1571 | −0.0883 | 212.6           | 17 489                          | 37 586                          |      |  |  |
| −1 555c                                                                                                                | 31 555                          | 68.87             | −104.05           | −53.51            | 117.01           | 0.1617 | −0.081  | 207.2           | 18 491                          | 38 590                          |      |  |  |
| −1 560c                                                                                                                | 32 560                          | 72.11             | −102.33           | −47.96            | 113.01           | 0.1651 | −0.078  | 205.1           | 18 492                          | 38 593                          |      |  |  |
| 380                                                                                                                    | 770                             | 100.0             | 0.0               | 0.0               | 0.0              | 0.226  | −0.0593 | 0.0             |                                 |                                 |      |  |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> , 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> | L* <sub>100</sub> | a* <sub>100</sub> | b* <sub>100</sub> | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 1 405                                                                                                                  | 32 564                          | 80.42             | -71.93            | -32.6             | 78.98            | 0.1811 | -0.1001 | 204.3           | 16 484                          | 38 592                          | Cm   |  |  |
| 6 435                                                                                                                  | 33 565                          | 80.69             | -86.68            | -17.31            | 88.4             | 0.1735 | -0.0924 | 191.2           | 17 488                          | 45 627                          |      |  |  |
| 10 450                                                                                                                 | 33 566                          | 80.99             | -110.31           | 13.7              | 111.15           | 0.1612 | -0.0768 | 172.9           | 19 498                          | -1 498c                         |      |  |  |
| 12 460                                                                                                                 | 33 568                          | 81.45             | -119.36           | 34.48             | 124.25           | 0.1568 | -0.0665 | 163.8           | 21 507                          | -1 507c                         |      |  |  |
| 13 465                                                                                                                 | 33 569                          | 81.92             | -121.61           | 45.97             | 130.01           | 0.1559 | -0.0609 | 159.2           | 22 514                          | -1 514c                         |      |  |  |
| 14 470                                                                                                                 | 34 571                          | 82.66             | -120.76           | 57.74             | 133.86           | 0.1568 | -0.0553 | 154.4           | 24 522                          | -1 522c                         |      |  |  |
| 14 475                                                                                                                 | 35 575                          | 84.24             | -115.44           | 60.46             | 130.32           | 0.1605 | -0.0544 | 152.3           | 25 525                          | -1 525c                         | Gm   |  |  |
| 16 480                                                                                                                 | 36 581                          | 86.12             | -105.73           | 83.03             | 134.43           | 0.1664 | -0.0442 | 141.8           | 27 538                          | -1 538c                         |      |  |  |
| 17 485                                                                                                                 | 39 595                          | 90.19             | -81.63            | 98.55             | 127.97           | 0.18   | -0.0386 | 129.6           | 29 549                          | -1 549c                         |      |  |  |
| 18 490                                                                                                                 | -1 490c                         | 97.85             | -20.19            | 119.57            | 121.26           | 0.21   | -0.0327 | 99.5            | 33 568                          | 11 459                          |      |  |  |
| 19 495                                                                                                                 | -1 495c                         | 97.3              | -17.91            | 125.92            | 127.19           | 0.211  | -0.0297 | 98.0            | 33 568                          | 12 461                          |      |  |  |
| 19 500                                                                                                                 | -1 499c                         | 97.3              | -17.91            | 125.92            | 127.19           | 0.211  | -0.0297 | 98.0            | 33 568                          | 12 461                          |      |  |  |
| 22 510                                                                                                                 | -1 510c                         | 94.63             | -6.64             | 140.85            | 141.01           | 0.216  | -0.0218 | 92.7            | 34 571                          | 13 469                          |      |  |  |
| 24 520                                                                                                                 | -1 520c                         | 91.75             | 4.59              | 146.03            | 146.1            | 0.2212 | -0.0178 | 88.1            | 34 574                          | 14 473                          | Ym   |  |  |
| 26 530                                                                                                                 | -1 530c                         | 88.02             | 17.68             | 145.85            | 146.92           | 0.2277 | -0.0145 | 83.0            | 35 577                          | 15 477                          |      |  |  |
| 28 540                                                                                                                 | -1 540c                         | 83.56             | 31.64             | 141.2             | 144.7            | 0.2352 | -0.0119 | 77.3            | 36 581                          | 15 479                          |      |  |  |
| 29 545                                                                                                                 | -1 545c                         | 81.07             | 38.69             | 137.72            | 143.05           | 0.2393 | -0.0109 | 74.3            | 36 583                          | 16 480                          |      |  |  |
| 29 550                                                                                                                 | -1 549c                         | 81.07             | 38.69             | 137.72            | 143.05           | 0.2393 | -0.0109 | 74.3            | 36 583                          | 16 480                          |      |  |  |
| 30 555                                                                                                                 | -1 554c                         | 78.42             | 45.65             | 133.68            | 141.26           | 0.2436 | -0.0102 | 71.1            | 37 585                          | 16 482                          |      |  |  |
| 32 560                                                                                                                 | -1 560c                         | 72.66             | 58.88             | 124.34            | 137.58           | 0.2528 | -0.0092 | 64.6            | 38 590                          | 16 483                          |      |  |  |
| 32 564                                                                                                                 | 1 405                           | 71.27             | 62.52             | 98.78             | 116.91           | 0.2555 | -0.0287 | 57.6            | 38 592                          | 16 484                          | Rm   |  |  |
| 33 565                                                                                                                 | 6 435                           | 70.93             | 71.83             | 28.95             | 77.45            | 0.2611 | -0.0675 | 21.9            | 45 627                          | 17 488                          |      |  |  |
| 33 566                                                                                                                 | 10 450                          | 70.56             | 84.55             | -14.4             | 85.76            | 0.2687 | -0.0918 | 350.3           | -1 498c                         | 19 498                          |      |  |  |
| 33 568                                                                                                                 | 12 460                          | 69.98             | 90.17             | -29.54            | 94.89            | 0.2724 | -0.1004 | 341.8           | -1 507c                         | 21 507                          |      |  |  |
| 33 569                                                                                                                 | 13 465                          | 69.37             | 92.89             | -35.98            | 99.61            | 0.2744 | -0.1042 | 338.8           | -1 514c                         | 22 514                          |      |  |  |
| 34 571                                                                                                                 | 14 470                          | 68.37             | 95.44             | -41.93            | 104.25           | 0.2766 | -0.1079 | 336.2           | -1 522c                         | 24 522                          |      |  |  |
| 35 575                                                                                                                 | 14 475                          | 66.11             | 99.55             | -45.82            | 109.59           | 0.2807 | -0.1108 | 335.2           | -1 525c                         | 25 525                          | Mm   |  |  |
| 36 581                                                                                                                 | 16 480                          | 63.17             | 102.89            | -56.56            | 117.41           | 0.2851 | -0.1184 | 331.2           | -1 538c                         | 27 538                          |      |  |  |
| 39 595                                                                                                                 | 17 485                          | 55.38             | 108.0             | -71.77            | 129.67           | 0.296  | -0.1326 | 326.3           | -1 549c                         | 29 549                          |      |  |  |
| -1 490c                                                                                                                | 18 490                          | 28.02             | 85.37             | -120.26           | 147.48           | 0.3177 | -0.2165 | 305.3           | 11 459                          | 33 568                          |      |  |  |
| -1 495c                                                                                                                | 19 495                          | 31.41             | 71.03             | -115.43           | 135.53           | 0.2953 | -0.2021 | 301.6           | 12 461                          | 33 568                          |      |  |  |
| -1 499c                                                                                                                | 19 500                          | 31.41             | 71.03             | -115.43           | 135.53           | 0.2953 | -0.2021 | 301.6           | 12 461                          | 33 568                          |      |  |  |
| -1 510c                                                                                                                | 22 510                          | 43.16             | 21.12             | -96.96            | 99.24            | 0.2372 | -0.1634 | 282.2           | 13 469                          | 34 571                          |      |  |  |
| -1 520c                                                                                                                | 24 520                          | 51.68             | -12.26            | -82.78            | 83.68            | 0.2098 | -0.1431 | 261.5           | 14 473                          | 34 574                          | Bm   |  |  |
| -1 530c                                                                                                                | 26 530                          | 59.79             | -39.13            | -69.07            | 79.38            | 0.1928 | -0.128  | 240.4           | 15 477                          | 35 577                          |      |  |  |
| -1 540c                                                                                                                | 28 540                          | 67.12             | -57.58            | -56.56            | 80.72            | 0.1838 | -0.1168 | 224.4           | 15 479                          | 36 581                          |      |  |  |
| -1 545c                                                                                                                | 29 545                          | 70.46             | -63.67            | -50.83            | 81.48            | 0.1816 | -0.1123 | 218.6           | 16 480                          | 36 583                          |      |  |  |
| -1 549c                                                                                                                | 29 550                          | 70.46             | -63.67            | -50.83            | 81.48            | 0.1816 | -0.1123 | 218.6           | 16 480                          | 36 583                          |      |  |  |
| -1 554c                                                                                                                | 30 555                          | 73.6              | -67.81            | -45.45            | 81.64            | 0.1806 | -0.1084 | 213.8           | 16 482                          | 37 585                          |      |  |  |
| -1 560c                                                                                                                | 32 560                          | 79.25             | -70.77            | -35.73            | 79.28            | 0.1813 | -0.1019 | 206.7           | 16 483                          | 38 590                          |      |  |  |
| 380                                                                                                                    | 770                             | 100.0             | 0.0               | 0.0               | 0.0              | 0.2191 | -0.0837 | 0.0             |                                 |                                 |      |  |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> , 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> | L* <sub>100</sub> | a* <sub>100</sub> | b* <sub>100</sub> | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 1 405                                                                                                                  | 32 562                          | 80.56             | −63.21            | −32.83            | 71.23            | 0.1846 | −0.106  | 207.4           | 16 482                          | 37 589                          | Cm   |  |  |
| 6 435                                                                                                                  | 32 563                          | 80.94             | −78.71            | −18.89            | 80.95            | 0.1766 | −0.0985 | 193.5           | 17 486                          | 42 612                          |      |  |  |
| 10 450                                                                                                                 | 32 564                          | 81.34             | −107.68           | 12.88             | 108.44           | 0.1618 | −0.0817 | 173.1           | 19 496                          | −1 496c                         |      |  |  |
| 11 460                                                                                                                 | 33 566                          | 82.13             | −112.84           | 24.14             | 115.39           | 0.1595 | −0.0759 | 167.9           | 20 501                          | −1 501c                         |      |  |  |
| 13 465                                                                                                                 | 33 568                          | 82.49             | −121.77           | 46.54             | 130.36           | 0.1552 | −0.0642 | 159.0           | 22 513                          | −1 513c                         |      |  |  |
| 14 470                                                                                                                 | 34 570                          | 83.42             | −121.35           | 59.14             | 135.0            | 0.156  | −0.058  | 154.0           | 24 522                          | −1 522c                         |      |  |  |
| 15 475                                                                                                                 | 35 575                          | 84.96             | −116.2            | 72.42             | 136.92           | 0.1595 | −0.0517 | 148.0           | 26 530                          | −1 530c                         | Gm   |  |  |
| 16 480                                                                                                                 | 36 582                          | 87.53             | −103.12           | 86.81             | 134.79           | 0.1673 | −0.0454 | 139.9           | 28 540                          | −1 540c                         |      |  |  |
| 16 485                                                                                                                 | 40 602                          | 92.82             | −72.73            | 95.9              | 120.36           | 0.1839 | −0.0432 | 127.1           | 30 551                          | −1 551c                         |      |  |  |
| 18 490                                                                                                                 | −1 490c                         | 97.36             | −24.59            | 121.29            | 123.76           | 0.2067 | −0.0335 | 101.4           | 33 566                          | 11 459                          |      |  |  |
| 19 495                                                                                                                 | −1 495c                         | 96.73             | −21.95            | 127.88            | 129.75           | 0.2078 | −0.0302 | 99.7            | 33 567                          | 12 462                          |      |  |  |
| 19 500                                                                                                                 | −1 499c                         | 96.73             | −21.95            | 127.88            | 129.75           | 0.2078 | −0.0302 | 99.7            | 33 567                          | 12 462                          |      |  |  |
| 21 510                                                                                                                 | −1 509c                         | 95.02             | −14.69            | 138.59            | 139.36           | 0.2109 | −0.0244 | 96.0            | 33 568                          | 13 466                          |      |  |  |
| 24 520                                                                                                                 | −1 520c                         | 91.05             | 1.02              | 144.8             | 144.81           | 0.2181 | −0.018  | 89.5            | 34 572                          | 14 472                          |      |  |  |
| 26 530                                                                                                                 | −1 530c                         | 87.33             | 13.98             | 144.52            | 145.2            | 0.2245 | −0.0147 | 84.4            | 35 575                          | 15 475                          | Ym   |  |  |
| 28 540                                                                                                                 | −1 540c                         | 82.69             | 28.3              | 139.63            | 142.47           | 0.2321 | −0.0121 | 78.5            | 35 579                          | 15 478                          |      |  |  |
| 28 545                                                                                                                 | −1 544c                         | 82.69             | 28.3              | 139.63            | 142.47           | 0.2321 | −0.0121 | 78.5            | 35 579                          | 15 478                          |      |  |  |
| 29 550                                                                                                                 | −1 549c                         | 80.02             | 35.71             | 135.89            | 140.5            | 0.2364 | −0.0111 | 75.2            | 36 581                          | 15 479                          |      |  |  |
| 31 555                                                                                                                 | −1 555c                         | 74.09             | 50.35             | 126.59            | 136.23           | 0.2459 | −0.0097 | 68.3            | 37 586                          | 16 481                          |      |  |  |
| 31 560                                                                                                                 | −1 559c                         | 74.09             | 50.35             | 126.59            | 136.23           | 0.2459 | −0.0097 | 68.3            | 37 586                          | 16 481                          |      |  |  |
| 32 562                                                                                                                 | 1 405                           | 71.09             | 57.31             | 106.8             | 121.2            | 0.2509 | −0.0254 | 61.7            | 37 589                          | 16 482                          | Rm   |  |  |
| 32 563                                                                                                                 | 6 435                           | 70.63             | 68.01             | 33.32             | 75.74            | 0.2573 | −0.0688 | 26.1            | 42 612                          | 17 486                          |      |  |  |
| 32 564                                                                                                                 | 10 450                          | 70.11             | 84.57             | −13.89            | 85.71            | 0.2672 | −0.0968 | 350.6           | −1 496c                         | 19 496                          |      |  |  |
| 33 566                                                                                                                 | 11 460                          | 69.09             | 89.82             | −23.71            | 92.89            | 0.271  | −0.1028 | 345.2           | −1 501c                         | 20 501                          |      |  |  |
| 33 568                                                                                                                 | 13 465                          | 68.6              | 95.22             | −37.12            | 102.2            | 0.2745 | −0.1111 | 338.6           | −1 513c                         | 22 513                          |      |  |  |
| 34 570                                                                                                                 | 14 470                          | 67.31             | 98.82             | −43.8             | 108.09           | 0.2776 | −0.1155 | 336.0           | −1 522c                         | 24 522                          |      |  |  |
| 35 575                                                                                                                 | 15 475                          | 65.02             | 103.1             | −51.14            | 115.09           | 0.2819 | −0.121  | 333.6           | −1 530c                         | 26 530                          | Mm   |  |  |
| 36 582                                                                                                                 | 16 480                          | 60.71             | 108.36            | −61.1             | 124.4            | 0.289  | −0.1294 | 330.5           | −1 540c                         | 28 540                          |      |  |  |
| 40 602                                                                                                                 | 16 485                          | 48.81             | 118.01            | −81.6             | 143.48           | 0.3096 | −0.1532 | 325.3           | −1 551c                         | 30 551                          |      |  |  |
| −1 490c                                                                                                                | 18 490                          | 31.05             | 89.91             | −115.42           | 146.31           | 0.3142 | −0.2146 | 307.9           | 11 459                          | 33 566                          |      |  |  |
| −1 495c                                                                                                                | 19 495                          | 34.46             | 75.47             | −110.51           | 133.82           | 0.2932 | −0.2011 | 304.3           | 12 462                          | 33 567                          |      |  |  |
| −1 499c                                                                                                                | 19 500                          | 34.46             | 75.47             | −110.51           | 133.82           | 0.2932 | −0.2011 | 304.3           | 12 462                          | 33 567                          |      |  |  |
| −1 509c                                                                                                                | 21 510                          | 41.75             | 44.31             | −99.2             | 108.65           | 0.2564 | −0.1768 | 294.0           | 13 466                          | 33 568                          |      |  |  |
| −1 520c                                                                                                                | 24 520                          | 53.38             | −2.45             | −79.92            | 79.96            | 0.2158 | −0.1477 | 268.2           | 14 472                          | 34 572                          |      |  |  |
| −1 530c                                                                                                                | 26 530                          | 61.06             | −28.27            | −66.91            | 72.64            | 0.1991 | −0.1331 | 247.0           | 15 475                          | 35 575                          | Bm   |  |  |
| −1 540c                                                                                                                | 28 540                          | 68.34             | −47.27            | −54.48            | 72.13            | 0.1893 | −0.1217 | 229.0           | 15 478                          | 35 579                          |      |  |  |
| −1 544c                                                                                                                | 28 545                          | 68.34             | −47.27            | −54.48            | 72.13            | 0.1893 | −0.1217 | 229.0           | 15 478                          | 35 579                          |      |  |  |
| −1 549c                                                                                                                | 29 550                          | 71.74             | −53.89            | −48.64            | 72.59            | 0.1866 | −0.117  | 222.0           | 15 479                          | 36 581                          |      |  |  |
| −1 555c                                                                                                                | 31 555                          | 77.97             | −61.37            | −37.94            | 72.15            | 0.1846 | −0.1093 | 211.7           | 16 481                          | 37 586                          |      |  |  |
| −1 559c                                                                                                                | 31 560                          | 77.97             | −61.37            | −37.94            | 72.15            | 0.1846 | −0.1093 | 211.7           | 16 481                          | 37 586                          |      |  |  |
| 380                                                                                                                    | 770                             | 100.0             | 0.0               | 0.0               | 0.0              | 0.2176 | −0.0885 | 0.0             |                                 |                                 |      |  |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> , 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> | L* <sub>100</sub> | a* <sub>100</sub> | b* <sub>100</sub> | C* <sub>ab</sub> | a'     | b'     | h <sub>ab</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code    |    |  |
| 1                                                                                                                      | 405                             | 33 567            | 80.08             | -78.89            | -33.31           | 85.63  | 0.1785 | -0.0938         | 202.8                           | 17 486                          | 38 594  | Cm |  |
| 7                                                                                                                      | 435                             | 33 567            | 80.26             | -94.95            | -13.06           | 95.84  | 0.1701 | -0.0842         | 187.8                           | 18 491                          | -1 491c |    |  |
| 10                                                                                                                     | 450                             | 33 568            | 80.54             | -108.99           | 10.63            | 109.5  | 0.1628 | -0.0731         | 174.4                           | 19 499                          | -1 499c |    |  |
| 12                                                                                                                     | 460                             | 34 570            | 80.91             | -116.28           | 30.81            | 120.29 | 0.1591 | -0.0636         | 165.1                           | 21 507                          | -1 507c |    |  |
| 13                                                                                                                     | 465                             | 34 571            | 81.27             | -117.71           | 41.96            | 124.97 | 0.1586 | -0.0585         | 160.3                           | 22 513                          | -1 513c |    |  |
| 13                                                                                                                     | 470                             | 34 572            | 82.09             | -115.15           | 43.37            | 123.05 | 0.1605 | -0.058          | 159.3                           | 23 515                          | -1 515c |    |  |
| 15                                                                                                                     | 475                             | 35 575            | 82.9              | -113.69           | 65.12            | 131.02 | 0.1617 | -0.0482         | 150.1                           | 25 529                          | -1 529c | Gm |  |
| 16                                                                                                                     | 480                             | 36 580            | 84.67             | -105.54           | 77.46            | 130.92 | 0.1669 | -0.0432         | 143.7                           | 27 537                          | -1 537c |    |  |
| 17                                                                                                                     | 485                             | 37 589            | 87.83             | -88.41            | 91.44            | 127.19 | 0.177  | -0.0381         | 134.0                           | 29 547                          | -1 547c |    |  |
| 18                                                                                                                     | 490                             | 45 625            | 95.55             | -35.3             | 112.58           | 117.98 | 0.2043 | -0.0323         | 107.4                           | 32 564                          | -1 564c |    |  |
| 18                                                                                                                     | 495                             | -1 494c           | 98.18             | -14.88            | 117.1            | 118.05 | 0.2139 | -0.0316         | 97.2                            | 34 570                          | 12 460  |    |  |
| 20                                                                                                                     | 500                             | -1 500c           | 97.07             | -10.22            | 129.61           | 130.01 | 0.2159 | -0.0261         | 94.5                            | 34 571                          | 13 465  |    |  |
| 22                                                                                                                     | 510                             | -1 510c           | 95.29             | -2.73             | 139.39           | 139.42 | 0.2193 | -0.0213         | 91.1                            | 34 573                          | 14 470  |    |  |
| 24                                                                                                                     | 520                             | -1 520c           | 92.66             | 7.59              | 145.17           | 145.36 | 0.2241 | -0.0175         | 87.0                            | 35 575                          | 14 474  | Ym |  |
| 25                                                                                                                     | 530                             | -1 529c           | 91.02             | 13.53             | 148.64           | 149.25 | 0.227  | -0.0158         | 84.7                            | 35 577                          | 15 476  |    |  |
| 28                                                                                                                     | 540                             | -1 540c           | 85.0              | 33.06             | 143.68           | 147.44 | 0.2373 | -0.0117         | 77.0                            | 36 582                          | 16 481  |    |  |
| 28                                                                                                                     | 545                             | -1 544c           | 85.0              | 33.06             | 143.68           | 147.44 | 0.2373 | -0.0117         | 77.0                            | 36 582                          | 16 481  |    |  |
| 30                                                                                                                     | 550                             | -1 550c           | 80.12             | 46.56             | 136.57           | 144.29 | 0.2453 | -0.0101         | 71.1                            | 37 586                          | 16 483  |    |  |
| 30                                                                                                                     | 555                             | -1 554c           | 80.12             | 46.56             | 136.57           | 144.29 | 0.2453 | -0.0101         | 71.1                            | 37 586                          | 16 483  |    |  |
| 32                                                                                                                     | 560                             | -1 560c           | 74.58             | 59.47             | 127.61           | 140.79 | 0.2542 | -0.0091         | 65.0                            | 38 591                          | 17 485  |    |  |
| 33                                                                                                                     | 567                             | 1 405             | 71.68             | 65.73             | 101.35           | 120.8  | 0.2589 | -0.0256         | 57.0                            | 38 594                          | 17 486  | Rm |  |
| 33                                                                                                                     | 567                             | 7 435             | 71.46             | 74.84             | 19.51            | 77.35  | 0.2644 | -0.0679         | 14.6                            | -1 491c                         | 18 491  |    |  |
| 33                                                                                                                     | 568                             | 10 450            | 71.12             | 82.43             | -11.36           | 83.21  | 0.269  | -0.084          | 352.1                           | -1 499c                         | 19 499  |    |  |
| 34                                                                                                                     | 570                             | 12 460            | 70.66             | 86.89             | -26.77           | 90.93  | 0.2719 | -0.092          | 342.8                           | -1 507c                         | 21 507  |    |  |
| 34                                                                                                                     | 571                             | 13 465            | 70.21             | 88.8              | -33.19           | 94.8   | 0.2733 | -0.0955         | 339.5                           | -1 513c                         | 22 513  |    |  |
| 34                                                                                                                     | 572                             | 13 470            | 69.14             | 90.72             | -35.03           | 97.25  | 0.2751 | -0.0967         | 338.8                           | -1 515c                         | 23 515  |    |  |
| 35                                                                                                                     | 575                             | 15 475            | 68.04             | 93.18             | -44.83           | 103.4  | 0.2773 | -0.1022         | 334.3                           | -1 529c                         | 25 529  | Mm |  |
| 36                                                                                                                     | 580                             | 16 480            | 65.47             | 96.3              | -51.84           | 109.37 | 0.2811 | -0.1069         | 331.7                           | -1 537c                         | 27 537  |    |  |
| 37                                                                                                                     | 589                             | 17 485            | 60.15             | 100.27            | -62.94           | 118.39 | 0.288  | -0.1155         | 327.8                           | -1 547c                         | 29 547  |    |  |
| 45                                                                                                                     | 625                             | 18 490            | 39.7              | 91.84             | -99.65           | 135.52 | 0.305  | -0.1591         | 312.6                           | -1 564c                         | 32 564  |    |  |
| -1                                                                                                                     | 494c                            | 18 495            | 25.68             | 73.84             | -123.82          | 144.16 | 0.3113 | -0.2127         | 300.8                           | 12 460                          | 34 570  |    |  |
| -1                                                                                                                     | 500c                            | 20 500            | 32.66             | 44.11             | -113.75          | 122.01 | 0.267  | -0.184          | 291.1                           | 13 465                          | 34 571  |    |  |
| -1                                                                                                                     | 510c                            | 22 510            | 40.72             | 10.05             | -101.0           | 101.49 | 0.2296 | -0.1587         | 275.6                           | 14 470                          | 34 573  |    |  |
| -1                                                                                                                     | 520c                            | 24 520            | 49.28             | -23.24            | -86.83           | 89.88  | 0.2023 | -0.1383         | 255.0                           | 14 474                          | 35 575  | Bm |  |
| -1                                                                                                                     | 529c                            | 25 530            | 53.46             | -37.59            | -79.8            | 88.21  | 0.1928 | -0.1301         | 244.7                           | 15 476                          | 35 577  |    |  |
| -1                                                                                                                     | 540c                            | 28 540            | 64.96             | -67.78            | -60.26           | 90.69  | 0.1777 | -0.1118         | 221.6                           | 16 481                          | 36 582  |    |  |
| -1                                                                                                                     | 544c                            | 28 545            | 64.96             | -67.78            | -60.26           | 90.69  | 0.1777 | -0.1118         | 221.6                           | 16 481                          | 36 582  |    |  |
| -1                                                                                                                     | 550c                            | 30 550            | 71.63             | -77.26            | -48.82           | 91.4   | 0.1754 | -0.1033         | 212.2                           | 16 483                          | 37 586  |    |  |
| -1                                                                                                                     | 554c                            | 30 555            | 71.63             | -77.26            | -48.82           | 91.4   | 0.1754 | -0.1033         | 212.2                           | 16 483                          | 37 586  |    |  |
| -1                                                                                                                     | 560c                            | 32 560            | 77.52             | -79.3             | -38.71           | 88.25  | 0.1771 | -0.0968         | 206.0                           | 17 485                          | 38 591  |    |  |
| 380                                                                                                                    | 770                             | 100.0             | 0.0               | 0.0               | 0.0              | 0.2205 | -0.078 | 0.0             |                                 |                                 |         |    |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> , Q00 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> | L* <sub>100</sub> | a* <sub>100</sub> | b* <sub>100</sub> | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code    |    |  |
| 1                                                                                                                      | 405                             | 32 562            | 80.68             | −64.24            | −32.07           | 71.8   | 0.184   | −0.1058         | 206.5                           | 16 482                          | 38 590  | Cm |  |
| 7                                                                                                                      | 435                             | 32 562            | 80.95             | −89.53            | −9.44            | 90.03  | 0.1709  | −0.0937         | 186.0                           | 17 488                          | −1 488c |    |  |
| 10                                                                                                                     | 450                             | 32 564            | 81.4              | −111.42           | 16.02            | 112.57 | 0.1598  | −0.0802         | 171.8                           | 19 497                          | −1 497c |    |  |
| 11                                                                                                                     | 460                             | 33 566            | 82.16             | −116.43           | 27.13            | 119.54 | 0.1576  | −0.0745         | 166.8                           | 20 502                          | −1 502c |    |  |
| 12                                                                                                                     | 465                             | 33 568            | 82.76             | −120.38           | 38.67            | 126.44 | 0.156   | −0.0685         | 162.1                           | 21 508                          | −1 508c |    |  |
| 14                                                                                                                     | 470                             | 34 570            | 83.43             | −124.41           | 61.21            | 138.66 | 0.1544  | −0.057          | 153.8                           | 24 522                          | −1 522c |    |  |
| 15                                                                                                                     | 475                             | 35 575            | 84.95             | −119.09           | 73.9             | 140.16 | 0.158   | −0.051          | 148.1                           | 26 530                          | −1 530c | Gm |  |
| 16                                                                                                                     | 480                             | 36 582            | 87.54             | −105.63           | 87.7             | 137.29 | 0.166   | −0.0451         | 140.2                           | 27 539                          | −1 539c |    |  |
| 17                                                                                                                     | 485                             | 40 602            | 92.55             | −72.3             | 104.85           | 127.36 | 0.1839  | −0.039          | 124.5                           | 30 552                          | −1 552c |    |  |
| 17                                                                                                                     | 490                             | −1 489c           | 98.01             | −27.86            | 114.23           | 117.58 | 0.2052  | −0.0371         | 103.7                           | 33 565                          | 11 455  |    |  |
| 18                                                                                                                     | 495                             | −1 494c           | 97.52             | −25.98            | 121.21           | 123.96 | 0.206   | −0.0337         | 102.1                           | 33 565                          | 11 458  |    |  |
| 20                                                                                                                     | 500                             | −1 500c           | 96.13             | −20.14            | 132.94           | 134.46 | 0.2085  | −0.0276         | 98.6                            | 33 567                          | 12 463  |    |  |
| 21                                                                                                                     | 510                             | −1 509c           | 95.16             | −16.01            | 137.78           | 138.71 | 0.2103  | −0.0249         | 96.6                            | 33 568                          | 13 465  |    |  |
| 23                                                                                                                     | 520                             | −1 519c           | 92.51             | −5.25             | 144.35           | 144.45 | 0.2151  | −0.0202         | 92.0                            | 34 571                          | 14 470  | Ym |  |
| 26                                                                                                                     | 530                             | −1 530c           | 86.82             | 15.1              | 143.67           | 144.46 | 0.2249  | −0.0148         | 83.9                            | 35 576                          | 15 475  |    |  |
| 27                                                                                                                     | 540                             | −1 539c           | 84.53             | 22.41             | 141.62           | 143.39 | 0.2288  | −0.0133         | 81.0                            | 35 578                          | 15 477  |    |  |
| 28                                                                                                                     | 545                             | −1 544c           | 82.07             | 29.8              | 138.65           | 141.81 | 0.2329  | −0.0121         | 77.8                            | 36 580                          | 15 478  |    |  |
| 29                                                                                                                     | 550                             | −1 549c           | 79.44             | 37.14             | 134.94           | 139.96 | 0.2372  | −0.0111         | 74.6                            | 36 582                          | 15 479  |    |  |
| 30                                                                                                                     | 555                             | −1 554c           | 76.66             | 44.34             | 130.68           | 138.0  | 0.2417  | −0.0103         | 71.2                            | 36 584                          | 16 480  |    |  |
| 31                                                                                                                     | 560                             | −1 559c           | 73.72             | 51.3              | 125.98           | 136.02 | 0.2464  | −0.0097         | 67.8                            | 37 587                          | 16 481  |    |  |
| 32                                                                                                                     | 562                             | 1 405             | 70.95             | 58.27             | 97.03            | 113.19 | 0.2514  | −0.0312         | 59.0                            | 38 590                          | 16 482  | Rm |  |
| 32                                                                                                                     | 562                             | 7 435             | 70.61             | 74.17             | 13.74            | 75.43  | 0.2608  | −0.0805         | 10.4                            | −1 488c                         | 17 488  |    |  |
| 32                                                                                                                     | 564                             | 10 450            | 70.04             | 86.49             | −16.69           | 88.09  | 0.2683  | −0.0987         | 349.0                           | −1 497c                         | 19 497  |    |  |
| 33                                                                                                                     | 566                             | 11 460            | 69.05             | 91.55             | −25.83           | 95.12  | 0.2719  | −0.1043         | 344.2                           | −1 502c                         | 20 502  |    |  |
| 33                                                                                                                     | 568                             | 12 465            | 68.24             | 95.65             | −33.61           | 101.38 | 0.2749  | −0.1092         | 340.6                           | −1 508c                         | 21 508  |    |  |
| 34                                                                                                                     | 570                             | 14 470            | 67.3              | 100.2             | −44.53           | 109.65 | 0.2783  | −0.1162         | 336.0                           | −1 522c                         | 24 522  |    |  |
| 35                                                                                                                     | 575                             | 15 475            | 65.04             | 104.47            | −51.53           | 116.49 | 0.2826  | −0.1214         | 333.7                           | −1 530c                         | 26 530  | Mm |  |
| 36                                                                                                                     | 582                             | 16 480            | 60.69             | 109.95            | −61.33           | 125.9  | 0.2899  | −0.1299         | 330.8                           | −1 539c                         | 27 539  |    |  |
| 40                                                                                                                     | 602                             | 17 485            | 49.56             | 115.52            | −82.21           | 141.78 | 0.3065  | −0.1533         | 324.5                           | −1 552c                         | 30 552  |    |  |
| −1 489c                                                                                                                | 17 490                          | 26.94             | 108.88            | −121.21           | 162.93           | 0.3457 | −0.2341 | 311.9           | 11 455                          | 33 565                          |         |    |  |
| −1 494c                                                                                                                | 18 495                          | 30.14             | 95.66             | −116.93           | 151.08           | 0.3223 | −0.2192 | 309.2           | 11 458                          | 33 565                          |         |    |  |
| −1 500c                                                                                                                | 20 500                          | 37.28             | 65.24             | −106.29           | 124.71           | 0.2794 | −0.1914 | 301.5           | 12 463                          | 33 567                          |         |    |  |
| −1 509c                                                                                                                | 21 510                          | 41.25             | 48.29             | −99.99            | 111.04           | 0.2601 | −0.1786 | 295.7           | 13 465                          | 33 568                          |         |    |  |
| −1 519c                                                                                                                | 23 520                          | 49.68             | 13.52             | −86.1             | 87.15            | 0.2279 | −0.1562 | 278.9           | 14 470                          | 34 571                          | Bm      |    |  |
| −1 530c                                                                                                                | 26 530                          | 61.97             | −29.73            | −65.35            | 71.79            | 0.1983 | −0.1318 | 245.5           | 15 475                          | 35 576                          |         |    |  |
| −1 539c                                                                                                                | 27 540                          | 65.68             | −40.14            | −59.01            | 71.37            | 0.1927 | −0.1259 | 235.7           | 15 477                          | 35 578                          |         |    |  |
| −1 544c                                                                                                                | 28 545                          | 69.17             | −48.47            | −53.04            | 71.86            | 0.1888 | −0.1208 | 227.5           | 15 478                          | 36 580                          |         |    |  |
| −1 549c                                                                                                                | 29 550                          | 72.43             | −54.78            | −47.45            | 72.47            | 0.1863 | −0.1163 | 220.8           | 15 479                          | 36 582                          |         |    |  |
| −1 554c                                                                                                                | 30 555                          | 75.48             | −59.17            | −42.22            | 72.69            | 0.1849 | −0.1125 | 215.5           | 16 480                          | 36 584                          |         |    |  |
| −1 559c                                                                                                                | 31 560                          | 78.3              | −61.78            | −37.36            | 72.2             | 0.1844 | −0.1091 | 211.1           | 16 481                          | 37 587                          |         |    |  |
| 380                                                                                                                    | 770                             | 100.0             | 0.0               | 0.0               | 0.0              | 0.2175 | −0.0887 | 0.0             |                                 |                                 |         |    |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> , 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> | L* <sub>100</sub> | a* <sub>100</sub> | b* <sub>100</sub> | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| −1 549c                                                                                                                   | 29 549                          | 73.88             | −53.97            | −44.96            | 70.24            | 0.1912 | −0.1111 | 219.7           | 15 479                          | 36 581                          | Cm   |  |  |
| 7 435                                                                                                                     | 32 560                          | 79.99             | −81.54            | −15.5             | 83.0             | 0.1783 | −0.0942 | 190.7           | 17 487                          | −1 487c                         |      |  |  |
| 10 450                                                                                                                    | 32 562                          | 80.58             | −101.99           | 9.8               | 102.46           | 0.1677 | −0.081  | 174.5           | 19 495                          | −1 495c                         |      |  |  |
| 11 460                                                                                                                    | 32 564                          | 81.64             | −106.52           | 21.73             | 108.72           | 0.1659 | −0.075  | 168.4           | 20 500                          | −1 500c                         |      |  |  |
| 12 465                                                                                                                    | 33 566                          | 82.29             | −109.93           | 33.74             | 114.99           | 0.1645 | −0.069  | 162.9           | 21 506                          | −1 506c                         |      |  |  |
| 13 470                                                                                                                    | 33 569                          | 83.53             | −109.94           | 46.99             | 119.57           | 0.1652 | −0.0625 | 156.8           | 22 514                          | −1 514c                         |      |  |  |
| 15 475                                                                                                                    | 34 574                          | 85.03             | −105.89           | 71.06             | 127.53           | 0.1681 | −0.051  | 146.1           | 25 529                          | −1 529c                         | Gm   |  |  |
| 16 480                                                                                                                    | 36 582                          | 87.58             | −93.6             | 85.25             | 126.6            | 0.1755 | −0.045  | 137.6           | 27 538                          | −1 538c                         |      |  |  |
| 16 485                                                                                                                    | 40 601                          | 92.89             | −65.63            | 94.35             | 114.93           | 0.191  | −0.0428 | 124.8           | 0 400                           | 1 407                           |      |  |  |
| 18 490                                                                                                                    | −1 490c                         | 97.55             | −23.22            | 119.05            | 121.3            | 0.2116 | −0.0337 | 101.0           | 32 563                          | 11 457                          |      |  |  |
| 18 495                                                                                                                    | −1 494c                         | 97.55             | −23.22            | 119.05            | 121.3            | 0.2116 | −0.0337 | 101.0           | 32 563                          | 11 457                          |      |  |  |
| 20 500                                                                                                                    | −1 500c                         | 96.17             | −17.39            | 131.15            | 132.3            | 0.2141 | −0.0277 | 97.5            | 33 565                          | 12 462                          |      |  |  |
| 22 510                                                                                                                    | −1 510c                         | 94.0              | −8.8              | 140.17            | 140.44           | 0.218  | −0.0224 | 93.5            | 33 567                          | 13 467                          |      |  |  |
| 24 520                                                                                                                    | −1 520c                         | 90.89             | 2.39              | 143.83            | 143.85           | 0.2233 | −0.0183 | 89.0            | 34 570                          | 14 471                          | Ym   |  |  |
| 26 530                                                                                                                    | −1 530c                         | 86.78             | 15.58             | 143.49            | 144.34           | 0.2299 | −0.0149 | 83.8            | 34 574                          | 15 475                          |      |  |  |
| 27 540                                                                                                                    | −1 539c                         | 84.43             | 22.44             | 141.4             | 143.17           | 0.2336 | −0.0134 | 80.9            | 35 576                          | 15 476                          |      |  |  |
| 28 545                                                                                                                    | −1 544c                         | 81.91             | 29.35             | 138.34            | 141.42           | 0.2376 | −0.0121 | 78.0            | 35 578                          | 15 478                          |      |  |  |
| 0 400                                                                                                                     | 1 407                           | 0.03              | 11.04             | −11.5             | 15.95            | 0.8933 | −0.4619 | 313.8           | 1 406                           | 0 401                           |      |  |  |
| 30 555                                                                                                                    | 3 415                           | 76.33             | 45.64             | 94.26             | 104.74           | 0.2476 | −0.0351 | 64.1            | 36 584                          | 16 481                          |      |  |  |
| 31 560                                                                                                                    | 5 428                           | 73.38             | 57.99             | 50.4              | 76.83            | 0.2556 | −0.0579 | 40.9            | 39 596                          | 16 484                          |      |  |  |
| 29 549                                                                                                                    | −1 549c                         | 78.16             | 38.8              | 132.86            | 138.41           | 0.2434 | −0.011  | 73.7            | 36 581                          | 15 479                          | Rm   |  |  |
| 32 560                                                                                                                    | 7 435                           | 71.79             | 66.98             | 23.9              | 71.11            | 0.2615 | −0.0725 | 19.6            | −1 487c                         | 17 487                          |      |  |  |
| 32 562                                                                                                                    | 10 450                          | 71.08             | 79.29             | −10.6             | 80.0             | 0.2691 | −0.0922 | 352.3           | −1 495c                         | 19 495                          |      |  |  |
| 32 564                                                                                                                    | 11 460                          | 69.73             | 85.06             | −21.44            | 87.72            | 0.2733 | −0.0986 | 345.8           | −1 500c                         | 20 500                          |      |  |  |
| 33 566                                                                                                                    | 12 465                          | 68.87             | 89.06             | −30.18            | 94.03            | 0.2762 | −0.1039 | 341.2           | −1 506c                         | 21 506                          |      |  |  |
| 33 569                                                                                                                    | 13 470                          | 67.16             | 93.86             | −38.99            | 101.63           | 0.2803 | −0.1096 | 337.4           | −1 514c                         | 22 514                          |      |  |  |
| 34 574                                                                                                                    | 15 475                          | 64.92             | 98.03             | −50.89            | 110.46           | 0.2846 | −0.1176 | 332.5           | −1 529c                         | 25 529                          | Mm   |  |  |
| 36 582                                                                                                                    | 16 480                          | 60.6              | 102.59            | −60.9             | 119.31           | 0.2912 | −0.1259 | 329.3           | −1 538c                         | 27 538                          |      |  |  |
| 40 601                                                                                                                    | 16 485                          | 48.62             | 111.2             | −81.55            | 137.9            | 0.3108 | −0.1492 | 323.7           | 1 407                           | 0 400                           |      |  |  |
| −1 490c                                                                                                                   | 18 490                          | 29.91             | 89.18             | −117.0            | 147.12           | 0.3224 | −0.2136 | 307.3           | 11 457                          | 32 563                          |      |  |  |
| −1 494c                                                                                                                   | 18 495                          | 29.91             | 89.18             | −117.0            | 147.12           | 0.3224 | −0.2136 | 307.3           | 11 457                          | 32 563                          |      |  |  |
| −1 500c                                                                                                                   | 20 500                          | 37.09             | 58.6              | −106.44           | 121.51           | 0.2791 | −0.1864 | 298.8           | 12 462                          | 33 565                          |      |  |  |
| −1 510c                                                                                                                   | 22 510                          | 45.26             | 25.36             | −93.37            | 96.75            | 0.2435 | −0.1623 | 285.1           | 13 467                          | 33 567                          |      |  |  |
| −1 520c                                                                                                                   | 24 520                          | 53.78             | −5.76             | −79.17            | 79.38            | 0.2179 | −0.1428 | 265.8           | 14 471                          | 34 570                          | Bm   |  |  |
| −1 530c                                                                                                                   | 26 530                          | 62.04             | −30.71            | −65.2             | 72.07            | 0.2018 | −0.1279 | 244.7           | 15 475                          | 34 574                          |      |  |  |
| −1 539c                                                                                                                   | 27 540                          | 65.83             | −39.96            | −58.75            | 71.05            | 0.1969 | −0.122  | 235.7           | 15 476                          | 35 576                          |      |  |  |
| −1 544c                                                                                                                   | 28 545                          | 69.38             | −47.13            | −52.68            | 70.68            | 0.1937 | −0.117  | 228.1           | 15 478                          | 35 578                          |      |  |  |
| 1 407                                                                                                                     | 0 400                           | 100.0             | −0.47             | 0.45              | 0.65             | 0.2219 | −0.0859 | 136.2           | 0 401                           | 1 406                           |      |  |  |
| 3 415                                                                                                                     | 30 555                          | 75.81             | −60.42            | −39.4             | 72.13            | 0.1882 | −0.1076 | 213.1           | 16 481                          | 36 584                          |      |  |  |
| 5 428                                                                                                                     | 31 560                          | 78.61             | −71.85            | −27.11            | 76.8             | 0.183  | −0.1004 | 200.6           | 16 484                          | 39 596                          |      |  |  |
| 380                                                                                                                       | 770                             | 100.0             | 0.0               | 0.0               | 0.0              | 0.2221 | −0.0861 | 0.0             |                                 |                                 |      |  |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> , 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> | L* <sub>100</sub> | a* <sub>100</sub> | b* <sub>100</sub> | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 1 405                                                                                                                     | 31 555                          | 75.53             | -70.45            | -41.45            | 81.74            | 0.1829 | -0.0991 | 210.4           | 16 483                          | 37 586                          | Cm   |  |  |
| 7 435                                                                                                                     | 32 563                          | 79.65             | -85.16            | -18.36            | 87.12            | 0.1766 | -0.0873 | 192.1           | 17 489                          | 45 627                          |      |  |  |
| 10 450                                                                                                                    | 32 564                          | 80.1              | -100.45           | 5.4               | 100.6            | 0.1686 | -0.0759 | 176.9           | 19 497                          | -1 497c                         |      |  |  |
| 12 460                                                                                                                    | 33 566                          | 80.74             | -107.75           | 26.83             | 111.04           | 0.1651 | -0.0659 | 166.0           | 21 505                          | -1 505c                         |      |  |  |
| 13 465                                                                                                                    | 33 567                          | 81.21             | -109.22           | 38.53             | 115.81           | 0.1646 | -0.0604 | 160.5           | 22 511                          | -1 511c                         |      |  |  |
| 14 470                                                                                                                    | 33 569                          | 82.1              | -108.15           | 50.86             | 119.51           | 0.1657 | -0.0549 | 154.8           | 23 518                          | -1 518c                         |      |  |  |
| 15 475                                                                                                                    | 34 573                          | 83.45             | -103.39           | 63.66             | 121.42           | 0.1689 | -0.0493 | 148.3           | 25 527                          | -1 527c                         | Gm   |  |  |
| 16 480                                                                                                                    | 35 579                          | 85.44             | -94.61            | 76.87             | 121.9            | 0.1744 | -0.044  | 140.9           | 27 535                          | -1 535c                         |      |  |  |
| 17 485                                                                                                                    | 37 589                          | 88.73             | -77.34            | 91.29             | 119.65           | 0.1845 | -0.0388 | 130.2           | 29 545                          | -1 545c                         |      |  |  |
| 18 490                                                                                                                    | -1 490c                         | 98.02             | -15.51            | 115.25            | 116.29           | 0.2156 | -0.0324 | 97.6            | 33 566                          | 11 459                          |      |  |  |
| 19 495                                                                                                                    | -1 495c                         | 97.49             | -13.27            | 121.9             | 122.62           | 0.2166 | -0.0295 | 96.2            | 33 566                          | 12 462                          |      |  |  |
| 19 500                                                                                                                    | -1 499c                         | 97.49             | -13.27            | 121.9             | 122.62           | 0.2166 | -0.0295 | 96.2            | 33 566                          | 12 462                          |      |  |  |
| 22 510                                                                                                                    | -1 510c                         | 94.88             | -2.75             | 137.84            | 137.87           | 0.2213 | -0.0218 | 91.1            | 33 569                          | 13 469                          |      |  |  |
| 24 520                                                                                                                    | -1 520c                         | 92.03             | 7.55              | 143.44            | 143.64           | 0.2262 | -0.0179 | 86.9            | 34 572                          | 14 473                          | Ym   |  |  |
| 25 530                                                                                                                    | -1 529c                         | 90.23             | 13.57             | 146.8             | 147.42           | 0.2292 | -0.0162 | 84.7            | 34 574                          | 15 475                          |      |  |  |
| 27 540                                                                                                                    | -1 539c                         | 86.01             | 26.45             | 144.12            | 146.52           | 0.236  | -0.0132 | 79.6            | 35 577                          | 15 479                          |      |  |  |
| 28 545                                                                                                                    | -1 544c                         | 83.62             | 33.05             | 141.27            | 145.08           | 0.2398 | -0.012  | 76.8            | 35 579                          | 16 480                          |      |  |  |
| 29 550                                                                                                                    | -1 549c                         | 81.05             | 39.7              | 137.66            | 143.27           | 0.2438 | -0.011  | 73.9            | 36 581                          | 16 481                          |      |  |  |
| 30 555                                                                                                                    | -1 554c                         | 78.3              | 46.22             | 133.47            | 141.25           | 0.248  | -0.0102 | 70.8            | 36 584                          | 16 483                          |      |  |  |
| 32 560                                                                                                                    | 3 416                           | 72.42             | 60.12             | 88.23             | 106.77           | 0.2578 | -0.033  | 55.7            | 38 591                          | 17 485                          |      |  |  |
| 31 555                                                                                                                    | 1 405                           | 76.61             | 50.58             | 114.92            | 125.55           | 0.2509 | -0.0219 | 66.2            | 37 586                          | 16 483                          | Rm   |  |  |
| 32 563                                                                                                                    | 7 435                           | 72.19             | 68.02             | 29.43             | 74.12            | 0.2625 | -0.0633 | 23.3            | 45 627                          | 17 489                          |      |  |  |
| 32 564                                                                                                                    | 10 450                          | 71.65             | 77.06             | -6.04             | 77.3             | 0.2681 | -0.0816 | 355.5           | -1 497c                         | 19 497                          |      |  |  |
| 33 566                                                                                                                    | 12 460                          | 70.87             | 82.54             | -24.11            | 86.0             | 0.2717 | -0.0912 | 343.7           | -1 505c                         | 21 505                          |      |  |  |
| 33 567                                                                                                                    | 13 465                          | 70.29             | 84.81             | -31.42            | 90.44            | 0.2734 | -0.0951 | 339.6           | -1 511c                         | 22 511                          |      |  |  |
| 33 569                                                                                                                    | 14 470                          | 69.12             | 87.51             | -38.37            | 95.56            | 0.2758 | -0.0991 | 336.3           | -1 518c                         | 23 518                          |      |  |  |
| 34 573                                                                                                                    | 15 475                          | 67.27             | 90.19             | -45.39            | 100.97           | 0.2786 | -0.1033 | 333.2           | -1 527c                         | 25 527                          | Mm   |  |  |
| 35 579                                                                                                                    | 16 480                          | 64.26             | 93.35             | -53.44            | 107.56           | 0.2827 | -0.1089 | 330.2           | -1 535c                         | 27 535                          |      |  |  |
| 37 589                                                                                                                    | 17 485                          | 58.42             | 96.5              | -65.58            | 116.68           | 0.2896 | -0.1187 | 325.8           | -1 545c                         | 29 545                          |      |  |  |
| -1 490c                                                                                                                   | 18 490                          | 26.85             | 73.38             | -121.53           | 141.97           | 0.3112 | -0.2079 | 301.1           | 11 459                          | 33 566                          |      |  |  |
| -1 495c                                                                                                                   | 19 495                          | 30.29             | 58.68             | -116.79           | 130.71           | 0.2882 | -0.1936 | 296.6           | 12 462                          | 33 566                          |      |  |  |
| -1 499c                                                                                                                   | 19 500                          | 30.29             | 58.68             | -116.79           | 130.71           | 0.2882 | -0.1936 | 296.6           | 12 462                          | 33 566                          |      |  |  |
| -1 510c                                                                                                                   | 22 510                          | 42.26             | 9.54              | -98.28            | 98.75            | 0.2311 | -0.1554 | 275.5           | 13 469                          | 33 569                          |      |  |  |
| -1 520c                                                                                                                   | 24 520                          | 50.95             | -21.56            | -83.9             | 86.63            | 0.206  | -0.1356 | 255.5           | 14 473                          | 34 572                          | Bm   |  |  |
| -1 529c                                                                                                                   | 25 530                          | 55.28             | -34.84            | -76.64            | 84.19            | 0.1974 | -0.1275 | 245.5           | 15 475                          | 34 574                          |      |  |  |
| -1 539c                                                                                                                   | 27 540                          | 63.34             | -54.67            | -62.98            | 83.4             | 0.187  | -0.1147 | 229.0           | 15 479                          | 35 577                          |      |  |  |
| -1 544c                                                                                                                   | 28 545                          | 67.02             | -61.22            | -56.7             | 83.45            | 0.1845 | -0.1096 | 222.8           | 16 480                          | 35 579                          |      |  |  |
| -1 549c                                                                                                                   | 29 550                          | 70.49             | -65.81            | -50.77            | 83.11            | 0.1833 | -0.1053 | 217.6           | 16 481                          | 36 581                          |      |  |  |
| -1 554c                                                                                                                   | 30 555                          | 73.73             | -68.5             | -45.21            | 82.08            | 0.1832 | -0.1015 | 213.4           | 16 483                          | 36 584                          |      |  |  |
| 3 416                                                                                                                     | 32 560                          | 79.45             | -72.05            | -33.2             | 79.33            | 0.1836 | -0.0944 | 204.7           | 17 485                          | 38 591                          |      |  |  |
| 380                                                                                                                       | 770                             | 100.0             | 0.0               | 0.0               | 0.0              | 0.2226 | -0.0785 | 0.0             |                                 |                                 |      |  |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> , 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> | L* <sub>100</sub> | a* <sub>100</sub> | b* <sub>100</sub> | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 1 405                                                                                                                     | 32 560                          | 75.92             | -77.34            | -40.7             | 87.4             | 0.1815 | -0.091  | 207.7           | 17 486                          | 37 589                          | Cm   |  |  |
| 7 435                                                                                                                     | 33 566                          | 78.97             | -88.27            | -17.93            | 90.07            | 0.1769 | -0.0803 | 191.4           | 18 492                          | -1 492c                         |      |  |  |
| 10 450                                                                                                                    | 33 567                          | 79.35             | -98.91            | 4.47              | 99.01            | 0.1713 | -0.0704 | 177.4           | 19 499                          | -1 499c                         |      |  |  |
| 12 460                                                                                                                    | 33 569                          | 79.89             | -103.84           | 24.32             | 106.65           | 0.1689 | -0.0617 | 166.8           | 21 506                          | -1 506c                         |      |  |  |
| 12 465                                                                                                                    | 34 570                          | 80.44             | -102.62           | 25.26             | 105.68           | 0.1699 | -0.0614 | 166.1           | 21 507                          | -1 507c                         |      |  |  |
| 13 470                                                                                                                    | 34 571                          | 81.2              | -102.19           | 36.9              | 108.65           | 0.1705 | -0.0564 | 160.1           | 22 513                          | -1 513c                         |      |  |  |
| 14 475                                                                                                                    | 34 574                          | 82.33             | -99.74            | 49.15             | 111.2            | 0.1725 | -0.0514 | 153.7           | 24 522                          | -1 522c                         | Gm   |  |  |
| 16 480                                                                                                                    | 35 578                          | 83.69             | -93.34            | 70.81             | 117.17           | 0.1766 | -0.0425 | 142.8           | 27 535                          | -1 535c                         |      |  |  |
| 16 485                                                                                                                    | 37 585                          | 86.67             | -82.13            | 75.92             | 111.85           | 0.1837 | -0.0413 | 137.2           | 28 541                          | -1 541c                         |      |  |  |
| 18 490                                                                                                                    | 41 605                          | 92.08             | -49.48            | 101.92            | 113.3            | 0.2016 | -0.0328 | 115.8           | 31 557                          | -1 557c                         |      |  |  |
| 19 495                                                                                                                    | -1 495c                         | 97.98             | -9.12             | 119.65            | 120.0            | 0.2214 | -0.0283 | 94.3            | 33 569                          | 12 462                          |      |  |  |
| 20 500                                                                                                                    | -1 500c                         | 97.41             | -6.69             | 125.94            | 126.12           | 0.2225 | -0.0257 | 93.0            | 34 570                          | 13 465                          |      |  |  |
| 22 510                                                                                                                    | -1 510c                         | 95.73             | 0.0               | 136.44            | 136.44           | 0.2256 | -0.0211 | 89.9            | 34 572                          | 14 470                          |      |  |  |
| 24 520                                                                                                                    | -1 520c                         | 93.2              | 9.24              | 142.94            | 143.24           | 0.23   | -0.0173 | 86.3            | 34 574                          | 15 475                          | Ym   |  |  |
| 26 530                                                                                                                    | -1 530c                         | 89.83             | 20.27             | 149.05            | 150.42           | 0.2356 | -0.0142 | 82.2            | 35 577                          | 15 478                          |      |  |  |
| 28 540                                                                                                                    | -1 540c                         | 85.71             | 32.29             | 144.86            | 148.41           | 0.2422 | -0.0117 | 77.4            | 36 581                          | 16 482                          |      |  |  |
| 29 545                                                                                                                    | -1 545c                         | 83.37             | 38.44             | 141.62            | 146.75           | 0.2458 | -0.0108 | 74.8            | 36 583                          | 16 483                          |      |  |  |
| 29 550                                                                                                                    | -1 549c                         | 83.37             | 38.44             | 141.62            | 146.75           | 0.2458 | -0.0108 | 74.8            | 36 583                          | 16 483                          |      |  |  |
| 30 555                                                                                                                    | -1 554c                         | 80.86             | 44.54             | 137.82            | 144.84           | 0.2497 | -0.0101 | 72.0            | 37 585                          | 16 484                          |      |  |  |
| 32 560                                                                                                                    | -1 560c                         | 75.32             | 56.1              | 128.87            | 140.56           | 0.2577 | -0.0091 | 66.4            | 37 589                          | 17 486                          |      |  |  |
| 32 560                                                                                                                    | 1 405                           | 76.22             | 54.88             | 112.93            | 125.56           | 0.2567 | -0.0209 | 64.0            | 37 589                          | 17 486                          | Rm   |  |  |
| 33 566                                                                                                                    | 7 435                           | 72.98             | 67.75             | 27.33             | 73.05            | 0.2654 | -0.0595 | 21.9            | -1 492c                         | 18 492                          |      |  |  |
| 33 567                                                                                                                    | 10 450                          | 72.54             | 74.03             | -4.88             | 74.19            | 0.2694 | -0.0747 | 356.2           | -1 499c                         | 19 499                          |      |  |  |
| 33 569                                                                                                                    | 12 460                          | 71.9              | 77.98             | -21.65            | 80.93            | 0.272  | -0.0827 | 344.4           | -1 506c                         | 21 506                          |      |  |  |
| 34 570                                                                                                                    | 12 465                          | 71.24             | 79.15             | -22.79            | 82.37            | 0.2731 | -0.0834 | 343.9           | -1 507c                         | 21 507                          |      |  |  |
| 34 571                                                                                                                    | 13 470                          | 70.3              | 81.44             | -30.55            | 86.98            | 0.275  | -0.0873 | 339.4           | -1 513c                         | 22 513                          |      |  |  |
| 34 574                                                                                                                    | 14 475                          | 68.81             | 84.15             | -38.02            | 92.34            | 0.2775 | -0.0912 | 335.6           | -1 522c                         | 24 522                          | Mm   |  |  |
| 35 578                                                                                                                    | 16 480                          | 66.93             | 85.58             | -48.02            | 98.13            | 0.2796 | -0.0967 | 330.7           | -1 535c                         | 27 535                          |      |  |  |
| 37 585                                                                                                                    | 16 485                          | 62.23             | 90.43             | -56.12            | 106.43           | 0.2861 | -0.1025 | 328.1           | -1 541c                         | 28 541                          |      |  |  |
| 41 605                                                                                                                    | 18 490                          | 50.83             | 87.13             | -79.63            | 118.04           | 0.2939 | -0.1225 | 317.5           | -1 557c                         | 31 557                          |      |  |  |
| -1 495c                                                                                                                   | 19 495                          | 27.1              | 48.72             | -121.83           | 131.21           | 0.2848 | -0.1913 | 291.7           | 12 462                          | 33 569                          |      |  |  |
| -1 500c                                                                                                                   | 20 500                          | 30.79             | 33.08             | -116.48           | 121.09           | 0.2626 | -0.1771 | 285.8           | 13 465                          | 34 570                          |      |  |  |
| -1 510c                                                                                                                   | 22 510                          | 38.99             | -0.03             | -103.69           | 103.69           | 0.2255 | -0.1516 | 269.9           | 14 470                          | 34 572                          |      |  |  |
| -1 520c                                                                                                                   | 24 520                          | 47.74             | -31.03            | -89.33            | 94.57            | 0.2001 | -0.1313 | 250.8           | 15 475                          | 34 574                          | Bm   |  |  |
| -1 530c                                                                                                                   | 26 530                          | 56.15             | -54.64            | -75.22            | 92.97            | 0.1859 | -0.1162 | 234.0           | 15 478                          | 35 577                          |      |  |  |
| -1 540c                                                                                                                   | 28 540                          | 63.84             | -69.42            | -62.15            | 93.18            | 0.18   | -0.1051 | 221.8           | 16 482                          | 36 581                          |      |  |  |
| -1 545c                                                                                                                   | 29 545                          | 67.38             | -73.74            | -56.09            | 92.65            | 0.1793 | -0.1007 | 217.2           | 16 483                          | 36 583                          |      |  |  |
| -1 549c                                                                                                                   | 29 550                          | 67.38             | -73.74            | -56.09            | 92.65            | 0.1793 | -0.1007 | 217.2           | 16 483                          | 36 583                          |      |  |  |
| -1 554c                                                                                                                   | 30 555                          | 70.72             | -76.17            | -50.36            | 91.32            | 0.1796 | -0.0968 | 213.4           | 16 484                          | 37 585                          |      |  |  |
| -1 560c                                                                                                                   | 32 560                          | 76.81             | -75.94            | -39.92            | 85.79            | 0.1827 | -0.0905 | 207.7           | 17 486                          | 37 589                          |      |  |  |
| 380                                                                                                                       | 770                             | 100.0             | 0.0               | 0.0               | 0.0              | 0.2256 | -0.0724 | 0.0             |                                 |                                 |      |  |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> , 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> | L* <sub>100</sub> | a* <sub>100</sub> | b* <sub>100</sub> | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 1 405                                                                                                                     | 33 569                          | 76.39             | −85.84            | −40.12            | 94.76            | 0.1812 | −0.0743 | 205.0           | 18 493                          | 39 595                          | Cm   |  |  |
| 6 435                                                                                                                     | 34 572                          | 77.98             | −87.21            | −28.05            | 91.61            | 0.1812 | −0.0696 | 197.8           | 19 495                          | 42 610                          |      |  |  |
| 10 450                                                                                                                    | 34 573                          | 78.17             | −93.78            | −4.13             | 93.87            | 0.1776 | −0.0608 | 182.5           | 20 502                          | −1 502c                         |      |  |  |
| 12 460                                                                                                                    | 34 573                          | 78.46             | −96.18            | 13.73             | 97.16            | 0.1764 | −0.0543 | 171.8           | 21 508                          | −1 508c                         |      |  |  |
| 13 465                                                                                                                    | 34 574                          | 78.67             | −96.69            | 23.83             | 99.59            | 0.1762 | −0.0506 | 166.1           | 22 512                          | −1 512c                         |      |  |  |
| 14 470                                                                                                                    | 35 575                          | 79.04             | −96.18            | 34.32             | 102.12           | 0.1767 | −0.0469 | 160.3           | 23 518                          | −1 518c                         |      |  |  |
| 15 475                                                                                                                    | 35 576                          | 79.59             | −94.25            | 44.91             | 104.41           | 0.1781 | −0.0431 | 154.5           | 25 525                          | −1 525c                         | Gm   |  |  |
| 16 480                                                                                                                    | 35 578                          | 80.45             | −90.87            | 55.62             | 106.54           | 0.1805 | −0.0394 | 148.5           | 26 532                          | −1 532c                         |      |  |  |
| 17 485                                                                                                                    | 36 581                          | 81.87             | −84.9             | 66.69             | 107.96           | 0.1845 | −0.0358 | 141.8           | 28 540                          | −1 540c                         |      |  |  |
| 18 490                                                                                                                    | 37 588                          | 84.43             | −73.74            | 79.2              | 108.21           | 0.1916 | −0.0321 | 132.9           | 29 548                          | −1 548c                         |      |  |  |
| 18 495                                                                                                                    | 40 603                          | 90.28             | −49.15            | 89.15             | 101.8            | 0.2062 | −0.0304 | 118.8           | 31 558                          | −1 558c                         |      |  |  |
| 20 500                                                                                                                    | −1 500c                         | 98.3              | −1.01             | 118.2             | 118.21           | 0.2305 | −0.0237 | 90.4            | 34 574                          | 13 468                          |      |  |  |
| 21 510                                                                                                                    | −1 509c                         | 97.76             | 1.22              | 124.56            | 124.57           | 0.2315 | −0.0216 | 89.4            | 35 575                          | 14 471                          |      |  |  |
| 24 520                                                                                                                    | −1 520c                         | 95.08             | 11.3              | 138.4             | 138.86           | 0.2364 | −0.0164 | 85.3            | 35 578                          | 15 479                          | Ym   |  |  |
| 26 530                                                                                                                    | −1 530c                         | 92.36             | 20.43             | 143.79            | 145.23           | 0.2411 | −0.0136 | 81.9            | 36 580                          | 16 483                          |      |  |  |
| 27 540                                                                                                                    | −1 539c                         | 90.72             | 25.51             | 152.46            | 154.58           | 0.2438 | −0.0124 | 80.5            | 36 581                          | 17 485                          |      |  |  |
| 28 545                                                                                                                    | −1 544c                         | 88.89             | 30.82             | 150.37            | 153.5            | 0.2467 | −0.0113 | 78.4            | 36 583                          | 17 486                          |      |  |  |
| 30 550                                                                                                                    | −1 550c                         | 84.68             | 41.87             | 144.33            | 150.28           | 0.2533 | −0.0098 | 73.8            | 37 587                          | 17 489                          |      |  |  |
| 30 555                                                                                                                    | −1 554c                         | 84.68             | 41.87             | 144.33            | 150.28           | 0.2533 | −0.0098 | 73.8            | 37 587                          | 17 489                          |      |  |  |
| 32 560                                                                                                                    | −1 560c                         | 79.72             | 52.73             | 136.37            | 146.21           | 0.2605 | −0.0089 | 68.8            | 38 591                          | 18 491                          |      |  |  |
| 33 569                                                                                                                    | 1 405                           | 75.75             | 60.05             | 125.79            | 139.39           | 0.2661 | −0.0154 | 64.4            | 39 595                          | 18 493                          | Rm   |  |  |
| 34 572                                                                                                                    | 6 435                           | 74.08             | 64.6              | 51.09             | 82.37            | 0.2694 | −0.0398 | 38.3            | 42 610                          | 19 495                          |      |  |  |
| 34 573                                                                                                                    | 10 450                          | 73.87             | 68.28             | 4.8               | 68.45            | 0.2717 | −0.0575 | 4.0             | −1 502c                         | 20 502                          |      |  |  |
| 34 573                                                                                                                    | 12 460                          | 73.55             | 70.19             | −12.92            | 71.37            | 0.273  | −0.0643 | 349.5           | −1 508c                         | 21 508                          |      |  |  |
| 34 574                                                                                                                    | 13 465                          | 73.32             | 71.01             | −20.26            | 73.84            | 0.2736 | −0.0671 | 344.0           | −1 512c                         | 22 512                          |      |  |  |
| 35 575                                                                                                                    | 14 470                          | 72.89             | 71.84             | −26.67            | 76.63            | 0.2743 | −0.0696 | 339.6           | −1 518c                         | 23 518                          |      |  |  |
| 35 576                                                                                                                    | 15 475                          | 72.26             | 72.49             | −32.29            | 79.36            | 0.275  | −0.0719 | 335.9           | −1 525c                         | 25 525                          | Mm   |  |  |
| 35 578                                                                                                                    | 16 480                          | 71.23             | 73.35             | −37.61            | 82.43            | 0.2761 | −0.0741 | 332.8           | −1 532c                         | 26 532                          |      |  |  |
| 36 581                                                                                                                    | 17 485                          | 69.44             | 74.43             | −43.42            | 86.17            | 0.2777 | −0.0768 | 329.7           | −1 540c                         | 28 540                          |      |  |  |
| 37 588                                                                                                                    | 18 490                          | 65.84             | 75.76             | −51.73            | 91.74            | 0.2806 | −0.0811 | 325.6           | −1 548c                         | 29 548                          |      |  |  |
| 40 603                                                                                                                    | 18 495                          | 55.18             | 77.19             | −70.09            | 104.26           | 0.2891 | −0.0932 | 317.7           | −1 558c                         | 31 558                          |      |  |  |
| −1 500c                                                                                                                   | 20 500                          | 24.74             | 7.61              | −125.58           | 125.82           | 0.241  | −0.1655 | 273.4           | 13 468                          | 34 574                          |      |  |  |
| −1 509c                                                                                                                   | 21 510                          | 28.63             | −8.31             | −119.95           | 120.24           | 0.221  | −0.1519 | 266.0           | 14 471                          | 35 575                          |      |  |  |
| −1 520c                                                                                                                   | 24 520                          | 41.52             | −54.08            | −99.57            | 113.31           | 0.1805 | −0.1189 | 241.4           | 15 479                          | 35 578                          | Bm   |  |  |
| −1 530c                                                                                                                   | 26 530                          | 50.09             | −75.69            | −85.38            | 114.1            | 0.1695 | −0.1038 | 228.4           | 16 483                          | 36 580                          |      |  |  |
| −1 539c                                                                                                                   | 27 540                          | 54.18             | −83.01            | −78.52            | 114.26           | 0.1675 | −0.0978 | 223.4           | 17 485                          | 36 581                          |      |  |  |
| −1 544c                                                                                                                   | 28 545                          | 58.11             | −88.14            | −71.87            | 113.73           | 0.1672 | −0.0927 | 219.1           | 17 486                          | 36 583                          |      |  |  |
| −1 550c                                                                                                                   | 30 550                          | 65.45             | −92.61            | −59.35            | 110.0            | 0.17   | −0.0844 | 212.6           | 17 489                          | 37 587                          |      |  |  |
| −1 554c                                                                                                                   | 30 555                          | 65.45             | −92.61            | −59.35            | 110.0            | 0.17   | −0.0844 | 212.6           | 17 489                          | 37 587                          |      |  |  |
| −1 560c                                                                                                                   | 32 560                          | 72.11             | −90.3             | −47.96            | 102.25           | 0.176  | −0.078  | 207.9           | 18 491                          | 38 591                          |      |  |  |
| 380                                                                                                                       | 770                             | 100.0             | 0.0               | 0.0               | 0.0              | 0.231  | −0.0593 | 0.0             |                                 |                                 |      |  |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> , 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> | L* <sub>100</sub> | a* <sub>100</sub> | b* <sub>100</sub> | C* <sub>ab</sub> | a'     | b'     | h <sub>ab</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code    |    |
| 1                                                                                                                         | 405                             | 30 553            | 74.47             | -61.0             | -42.84           | 74.54  | 0.1902 | -0.1067         | 215.0                           | 16 481                          | 37 585  | Cm |
| 6                                                                                                                         | 435                             | 32 563            | 79.57             | -79.55            | -19.24           | 81.84  | 0.182  | -0.0935         | 193.6                           | 17 487                          | 44 622  |    |
| 10                                                                                                                        | 450                             | 32 564            | 80.07             | -103.06           | 12.13            | 103.77 | 0.1694 | -0.0776         | 173.2                           | 19 497                          | -1 497c |    |
| 12                                                                                                                        | 460                             | 33 567            | 80.89             | -110.37           | 33.53            | 115.35 | 0.1659 | -0.0669         | 163.1                           | 21 506                          | -1 506c |    |
| 13                                                                                                                        | 465                             | 33 568            | 81.49             | -111.71           | 45.24            | 120.52 | 0.1656 | -0.0612         | 157.9                           | 22 513                          | -1 513c |    |
| 14                                                                                                                        | 470                             | 34 571            | 82.61             | -109.66           | 57.65            | 123.89 | 0.1673 | -0.0553         | 152.2                           | 24 521                          | -1 521c |    |
| 15                                                                                                                        | 475                             | 35 576            | 84.24             | -103.99           | 70.48            | 125.62 | 0.1712 | -0.0495         | 145.8                           | 26 530                          | -1 530c | Gm |
| 15                                                                                                                        | 480                             | 36 583            | 86.99             | -93.58            | 75.2             | 120.05 | 0.178  | -0.0482         | 141.2                           | 27 536                          | -1 536c |    |
| 17                                                                                                                        | 485                             | 39 599            | 91.42             | -66.32            | 100.67           | 120.56 | 0.1932 | -0.0382         | 123.3                           | 30 551                          | -1 551c |    |
| 18                                                                                                                        | 490                             | -1 490c           | 97.85             | -20.69            | 119.57           | 121.34 | 0.216  | -0.0327         | 99.8                            | 33 566                          | 11 456  |    |
| 19                                                                                                                        | 495                             | -1 495c           | 97.3              | -18.37            | 125.92           | 127.25 | 0.2171 | -0.0297         | 98.3                            | 33 566                          | 11 459  |    |
| 19                                                                                                                        | 500                             | -1 499c           | 97.3              | -18.37            | 125.92           | 127.25 | 0.2171 | -0.0297         | 98.3                            | 33 566                          | 11 459  |    |
| 22                                                                                                                        | 510                             | -1 510c           | 94.63             | -7.58             | 140.85           | 141.05 | 0.222  | -0.0218         | 93.0                            | 34 570                          | 13 467  |    |
| 24                                                                                                                        | 520                             | -1 520c           | 91.75             | 2.87              | 146.03           | 146.06 | 0.2269 | -0.0178         | 88.8                            | 34 572                          | 14 471  | Ym |
| 26                                                                                                                        | 530                             | -1 530c           | 88.02             | 15.01             | 145.85           | 146.62 | 0.2331 | -0.0145         | 84.1                            | 35 576                          | 15 475  |    |
| 27                                                                                                                        | 540                             | -1 539c           | 85.88             | 21.41             | 143.98           | 145.56 | 0.2366 | -0.0131         | 81.5                            | 35 578                          | 15 476  |    |
| 29                                                                                                                        | 545                             | -1 545c           | 81.07             | 34.39             | 137.72           | 141.95 | 0.2441 | -0.0109         | 75.9                            | 36 582                          | 15 479  |    |
| 29                                                                                                                        | 550                             | -1 549c           | 81.07             | 34.39             | 137.72           | 141.95 | 0.2441 | -0.0109         | 75.9                            | 36 582                          | 15 479  |    |
| 30                                                                                                                        | 555                             | 1 409             | 78.43             | 41.98             | 108.01           | 115.88 | 0.2488 | -0.0281         | 68.7                            | 37 585                          | 16 481  |    |
| 32                                                                                                                        | 560                             | 3 417             | 72.68             | 56.17             | 78.22            | 96.3   | 0.2587 | -0.0408         | 54.3                            | 38 592                          | 16 483  |    |
| 30                                                                                                                        | 553                             | 1 405             | 77.62             | 43.63             | 109.38           | 117.76 | 0.2499 | -0.0269         | 68.2                            | 37 585                          | 16 481  | Rm |
| 32                                                                                                                        | 563                             | 6 435             | 72.29             | 64.73             | 31.27            | 71.89  | 0.2639 | -0.0665         | 25.7                            | 44 622                          | 17 487  |    |
| 32                                                                                                                        | 564                             | 10 450            | 71.68             | 78.19             | -12.47           | 79.18  | 0.2722 | -0.0906         | 350.9                           | -1 497c                         | 19 497  |    |
| 33                                                                                                                        | 567                             | 12 460            | 70.68             | 84.24             | -28.33           | 88.88  | 0.2764 | -0.0996         | 341.4                           | -1 506c                         | 21 506  |    |
| 33                                                                                                                        | 568                             | 13 465            | 69.92             | 86.96             | -35.04           | 93.76  | 0.2785 | -0.1035         | 338.0                           | -1 513c                         | 22 513  |    |
| 34                                                                                                                        | 571                             | 14 470            | 68.44             | 90.11             | -41.81           | 99.34  | 0.2814 | -0.1078         | 335.1                           | -1 521c                         | 24 521  |    |
| 35                                                                                                                        | 576                             | 15 475            | 66.12             | 93.65             | -49.04           | 105.72 | 0.2852 | -0.1127         | 332.3                           | -1 530c                         | 26 530  | Mm |
| 36                                                                                                                        | 583                             | 15 480            | 61.67             | 99.68             | -56.72           | 114.69 | 0.2927 | -0.1192         | 330.3                           | -1 536c                         | 27 536  |    |
| 39                                                                                                                        | 599                             | 17 485            | 52.49             | 101.78            | -76.74           | 127.47 | 0.3034 | -0.1382         | 322.9                           | -1 551c                         | 30 551  |    |
| -1                                                                                                                        | 490c                            | 18 490            | 28.02             | 86.85             | -120.26          | 148.34 | 0.3289 | -0.2165         | 305.8                           | 11 456                          | 33 566  |    |
| -1                                                                                                                        | 495c                            | 19 495            | 31.41             | 72.36             | -115.43          | 136.24 | 0.3055 | -0.2021         | 302.0                           | 11 459                          | 33 566  |    |
| -1                                                                                                                        | 499c                            | 19 500            | 31.41             | 72.36             | -115.43          | 136.24 | 0.3055 | -0.2021         | 302.0                           | 11 459                          | 33 566  |    |
| -1                                                                                                                        | 510c                            | 22 510            | 43.16             | 23.81             | -96.96           | 99.85  | 0.2466 | -0.1634         | 283.7                           | 13 467                          | 34 570  |    |
| -1                                                                                                                        | 520c                            | 24 520            | 51.68             | -7.52             | -82.78           | 83.12  | 0.2197 | -0.1431         | 264.8                           | 14 471                          | 34 572  | Bm |
| -1                                                                                                                        | 530c                            | 26 530            | 59.79             | -32.33            | -69.07           | 76.26  | 0.2032 | -0.128          | 244.9                           | 15 475                          | 35 576  |    |
| -1                                                                                                                        | 539c                            | 27 540            | 63.56             | -41.72            | -62.64           | 75.27  | 0.1981 | -0.122          | 236.3                           | 15 476                          | 35 578  |    |
| -1                                                                                                                        | 545c                            | 29 545            | 70.46             | -54.62            | -50.83           | 74.62  | 0.1925 | -0.1123         | 222.9                           | 15 479                          | 36 582  |    |
| -1                                                                                                                        | 549c                            | 29 550            | 70.46             | -54.62            | -50.83           | 74.62  | 0.1925 | -0.1123         | 222.9                           | 15 479                          | 36 582  |    |
| 1                                                                                                                         | 409                             | 30 555            | 73.59             | -60.63            | -44.16           | 75.01  | 0.1901 | -0.1077         | 216.0                           | 16 481                          | 37 585  |    |
| 3                                                                                                                         | 417                             | 32 560            | 79.23             | -66.36            | -32.28           | 73.8   | 0.1891 | -0.1002         | 205.9                           | 16 483                          | 38 592  |    |
| 380                                                                                                                       |                                 | 770               | 100.0             | 0.0               | 0.0              | 0.0    | 0.2255 | -0.0837         | 0.0                             |                                 |         |    |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> , 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> | L* <sub>100</sub> | a* <sub>100</sub> | b* <sub>100</sub> | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |
| 1 405                                                                                                                     | 29 548                          | 72.67             | -49.25            | -46.41            | 67.67            | 0.1954 | -0.1154 | 223.2           | 15 478                          | 36 581                          | Cm   |  |
| 6 435                                                                                                                     | 32 560                          | 79.7              | -72.59            | -21.03            | 75.57            | 0.1848 | -0.0998 | 196.1           | 16 484                          | 42 610                          |      |  |
| 9 450                                                                                                                     | 32 562                          | 80.47             | -93.67            | 2.31              | 93.7             | 0.1737 | -0.0873 | 178.5           | 18 492                          | -1 492c                         |      |  |
| 12 460                                                                                                                    | 33 565                          | 81.35             | -110.96           | 33.48             | 115.91           | 0.165  | -0.0708 | 163.2           | 21 505                          | -1 505c                         |      |  |
| 13 465                                                                                                                    | 33 567                          | 82.08             | -112.61           | 45.82             | 121.57           | 0.1645 | -0.0645 | 157.8           | 22 512                          | -1 512c                         |      |  |
| 14 470                                                                                                                    | 34 570                          | 83.45             | -110.46           | 59.19             | 125.32           | 0.1665 | -0.0579 | 151.8           | 24 521                          | -1 521c                         |      |  |
| 14 475                                                                                                                    | 35 576                          | 85.77             | -103.0            | 63.18             | 120.84           | 0.1716 | -0.0566 | 148.4           | 25 527                          | -1 527c                         | Gm   |  |
| 16 480                                                                                                                    | 36 584                          | 88.23             | -90.15            | 88.01             | 125.99           | 0.1793 | -0.0451 | 135.6           | 28 540                          | -1 540c                         |      |  |
| 17 485                                                                                                                    | 42 611                          | 94.16             | -52.89            | 107.38            | 119.7            | 0.1993 | -0.0384 | 116.2           | 31 555                          | 3 416                           |      |  |
| 18 490                                                                                                                    | -1 490c                         | 97.36             | -24.62            | 121.29            | 123.77           | 0.213  | -0.0335 | 101.4           | 32 564                          | 11 457                          |      |  |
| 18 495                                                                                                                    | -1 494c                         | 97.36             | -24.62            | 121.29            | 123.77           | 0.213  | -0.0335 | 101.4           | 32 564                          | 11 457                          |      |  |
| 20 500                                                                                                                    | -1 500c                         | 95.95             | -18.69            | 133.66            | 134.96           | 0.2156 | -0.0272 | 97.9            | 33 566                          | 12 462                          |      |  |
| 22 510                                                                                                                    | -1 510c                         | 93.9              | -10.54            | 142.43            | 142.82           | 0.2193 | -0.0219 | 94.2            | 33 568                          | 13 466                          |      |  |
| 24 520                                                                                                                    | -1 520c                         | 91.05             | -0.25             | 144.8             | 144.8            | 0.2242 | -0.018  | 90.1            | 34 571                          | 14 470                          | Ym   |  |
| 26 530                                                                                                                    | -1 530c                         | 87.33             | 11.74             | 144.52            | 145.0            | 0.2302 | -0.0147 | 85.3            | 34 574                          | 14 473                          |      |  |
| 28 540                                                                                                                    | -1 540c                         | 82.69             | 24.94             | 139.63            | 141.84           | 0.2374 | -0.0121 | 79.8            | 35 578                          | 15 476                          |      |  |
| 29 545                                                                                                                    | -1 545c                         | 80.02             | 31.75             | 135.89            | 139.55           | 0.2415 | -0.0111 | 76.8            | 36 580                          | 15 478                          |      |  |
| 29 550                                                                                                                    | 1 408                           | 80.03             | 32.62             | 119.53            | 123.9            | 0.242  | -0.0245 | 74.7            | 36 581                          | 15 478                          |      |  |
| 31 555                                                                                                                    | 3 415                           | 74.1              | 47.41             | 94.81             | 106.0            | 0.2517 | -0.0344 | 63.4            | 37 587                          | 16 480                          |      |  |
| 31 560                                                                                                                    | 4 424                           | 74.14             | 51.48             | 65.5              | 83.31            | 0.254  | -0.0512 | 51.8            | 38 591                          | 16 482                          |      |  |
| 29 548                                                                                                                    | 1 405                           | 79.24             | 34.45             | 120.1             | 124.95           | 0.2431 | -0.0237 | 73.9            | 36 581                          | 15 478                          | Rm   |  |
| 32 560                                                                                                                    | 6 435                           | 72.13             | 61.06             | 35.9              | 70.84            | 0.2604 | -0.0676 | 30.4            | 42 610                          | 16 484                          |      |  |
| 32 562                                                                                                                    | 9 450                           | 71.21             | 74.85             | -2.74             | 74.9             | 0.269  | -0.0901 | 357.8           | -1 492c                         | 18 492                          |      |  |
| 33 565                                                                                                                    | 12 460                          | 70.1              | 86.11             | -28.85            | 90.82            | 0.2764 | -0.1057 | 341.4           | -1 505c                         | 21 505                          |      |  |
| 33 567                                                                                                                    | 13 465                          | 69.16             | 89.5              | -36.15            | 96.53            | 0.279  | -0.1103 | 338.0           | -1 512c                         | 22 512                          |      |  |
| 34 570                                                                                                                    | 14 470                          | 67.27             | 93.79             | -43.86            | 103.55           | 0.2829 | -0.1156 | 334.9           | -1 521c                         | 24 521                          |      |  |
| 35 576                                                                                                                    | 14 475                          | 63.73             | 99.75             | -49.96            | 111.56           | 0.2894 | -0.1207 | 333.3           | -1 527c                         | 25 527                          | Mm   |  |
| 36 584                                                                                                                    | 16 480                          | 59.4              | 103.51            | -63.35            | 121.36           | 0.2958 | -0.1317 | 328.5           | -1 540c                         | 28 540                          |      |  |
| 42 611                                                                                                                    | 17 485                          | 44.75             | 106.27            | -90.46            | 139.56           | 0.3154 | -0.165  | 319.5           | 3 416                           | 31 555                          |      |  |
| -1 490c                                                                                                                   | 18 490                          | 31.05             | 90.0              | -115.42           | 146.36           | 0.324  | -0.2146 | 307.9           | 11 457                          | 32 564                          |      |  |
| -1 494c                                                                                                                   | 18 495                          | 31.05             | 90.0              | -115.42           | 146.36           | 0.324  | -0.2146 | 307.9           | 11 457                          | 32 564                          |      |  |
| -1 500c                                                                                                                   | 20 500                          | 38.03             | 60.25             | -105.08           | 121.13           | 0.2824 | -0.1885 | 299.8           | 12 462                          | 33 566                          |      |  |
| -1 510c                                                                                                                   | 22 510                          | 45.57             | 29.47             | -92.96            | 97.52            | 0.2492 | -0.1661 | 287.5           | 13 466                          | 33 568                          |      |  |
| -1 520c                                                                                                                   | 24 520                          | 53.38             | 0.61              | -79.92            | 79.92            | 0.2247 | -0.1477 | 270.4           | 14 470                          | 34 571                          | Bm   |  |
| -1 530c                                                                                                                   | 26 530                          | 61.06             | -23.26            | -66.91            | 70.84            | 0.2086 | -0.1331 | 250.8           | 14 473                          | 34 574                          |      |  |
| -1 540c                                                                                                                   | 28 540                          | 68.34             | -40.54            | -54.48            | 67.91            | 0.1993 | -0.1217 | 233.3           | 15 476                          | 35 578                          |      |  |
| -1 545c                                                                                                                   | 29 545                          | 71.74             | -46.5             | -48.64            | 67.29            | 0.1967 | -0.117  | 226.2           | 15 478                          | 36 580                          |      |  |
| 1 408                                                                                                                     | 29 550                          | 71.74             | -48.09            | -47.91            | 67.89            | 0.1958 | -0.1166 | 224.8           | 15 478                          | 36 581                          |      |  |
| 3 415                                                                                                                     | 31 555                          | 77.96             | -56.71            | -36.14            | 67.25            | 0.1929 | -0.1083 | 212.5           | 16 480                          | 37 587                          |      |  |
| 4 424                                                                                                                     | 31 560                          | 77.93             | -63.37            | -31.81            | 70.9             | 0.1892 | -0.1059 | 206.6           | 16 482                          | 38 591                          |      |  |
| 380                                                                                                                       | 770                             | 100.0             | 0.0               | 0.0               | 0.0              | 0.2243 | -0.0885 | 0.0             |                                 |                                 |      |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> , 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> | L* <sub>100</sub> | a* <sub>100</sub> | b* <sub>100</sub> | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 1 405                                                                                                                     | 31 558                          | 75.29             | -70.26            | -41.55            | 81.63            | 0.1861 | -0.0987 | 210.6           | 16 483                          | 37 588                          | Cm   |  |  |
| 7 435                                                                                                                     | 33 565                          | 79.13             | -87.27            | -14.99            | 88.55            | 0.1784 | -0.0852 | 189.7           | 18 490                          | -1 490c                         |      |  |  |
| 10 450                                                                                                                    | 33 567                          | 79.59             | -100.82           | 9.0               | 101.22           | 0.1711 | -0.0738 | 174.8           | 19 498                          | -1 498c                         |      |  |  |
| 11 460                                                                                                                    | 33 568                          | 80.41             | -103.2            | 19.8              | 105.08           | 0.1703 | -0.0687 | 169.1           | 20 502                          | -1 502c                         |      |  |  |
| 13 465                                                                                                                    | 34 570                          | 80.76             | -107.9            | 41.08             | 115.45           | 0.1679 | -0.0588 | 159.1           | 22 513                          | -1 513c                         |      |  |  |
| 14 470                                                                                                                    | 34 572                          | 81.65             | -106.11           | 53.01             | 118.61           | 0.1695 | -0.0535 | 153.4           | 24 521                          | -1 521c                         |      |  |  |
| 15 475                                                                                                                    | 35 575                          | 82.98             | -101.69           | 65.25             | 120.82           | 0.1726 | -0.0482 | 147.3           | 25 529                          | -1 529c                         | Gm   |  |  |
| 16 480                                                                                                                    | 36 581                          | 84.94             | -93.15            | 77.93             | 121.46           | 0.1781 | -0.0431 | 140.0           | 27 538                          | -1 538c                         |      |  |  |
| 17 485                                                                                                                    | 38 591                          | 88.56             | -74.91            | 92.69             | 119.18           | 0.1889 | -0.0379 | 128.9           | 29 548                          | -1 548c                         |      |  |  |
| 18 490                                                                                                                    | -1 490c                         | 98.18             | -15.28            | 117.1             | 118.1            | 0.2196 | -0.0316 | 97.4            | 33 568                          | 11 457                          |      |  |  |
| 18 495                                                                                                                    | -1 494c                         | 98.18             | -15.28            | 117.1             | 118.1            | 0.2196 | -0.0316 | 97.4            | 33 568                          | 11 457                          |      |  |  |
| 20 500                                                                                                                    | -1 500c                         | 97.08             | -10.62            | 129.61            | 130.05           | 0.2217 | -0.0261 | 94.6            | 33 569                          | 12 463                          |      |  |  |
| 22 510                                                                                                                    | -1 510c                         | 95.29             | -3.51             | 139.39            | 139.44           | 0.2249 | -0.0213 | 91.4            | 34 571                          | 13 468                          |      |  |  |
| 24 520                                                                                                                    | -1 520c                         | 92.66             | 6.11              | 145.17            | 145.29           | 0.2296 | -0.0175 | 87.5            | 34 574                          | 14 473                          | Ym   |  |  |
| 26 530                                                                                                                    | -1 530c                         | 89.2              | 17.47             | 147.98            | 149.01           | 0.2353 | -0.0143 | 83.2            | 35 577                          | 15 476                          |      |  |  |
| 28 540                                                                                                                    | -1 540c                         | 85.0              | 29.71             | 143.68            | 146.72           | 0.2421 | -0.0117 | 78.3            | 36 581                          | 15 479                          |      |  |  |
| 28 545                                                                                                                    | -1 544c                         | 85.0              | 29.71             | 143.68            | 146.72           | 0.2421 | -0.0117 | 78.3            | 36 581                          | 15 479                          |      |  |  |
| 29 550                                                                                                                    | -1 549c                         | 82.64             | 35.93             | 140.4             | 144.93           | 0.2458 | -0.0108 | 75.6            | 36 582                          | 16 481                          |      |  |  |
| 31 555                                                                                                                    | -1 555c                         | 77.43             | 48.05             | 132.28            | 140.74           | 0.2537 | -0.0095 | 70.0            | 37 587                          | 16 483                          |      |  |  |
| 32 560                                                                                                                    | 2 410                           | 74.58             | 54.83             | 100.03            | 114.08           | 0.2584 | -0.028  | 61.2            | 38 591                          | 16 484                          |      |  |  |
| 31 558                                                                                                                    | 1 405                           | 76.84             | 50.01             | 109.94            | 120.79           | 0.2549 | -0.0244 | 65.5            | 37 588                          | 16 483                          | Rm   |  |  |
| 33 565                                                                                                                    | 7 435                           | 72.79             | 67.69             | 21.79             | 71.11            | 0.2667 | -0.0669 | 17.8            | -1 490c                         | 18 490                          |      |  |  |
| 33 567                                                                                                                    | 10 450                          | 72.26             | 75.65             | -9.4              | 76.23            | 0.2717 | -0.0829 | 352.9           | -1 498c                         | 19 498                          |      |  |  |
| 33 568                                                                                                                    | 11 460                          | 71.28             | 79.33             | -18.92            | 81.56            | 0.2744 | -0.0879 | 346.5           | -1 502c                         | 20 502                          |      |  |  |
| 34 570                                                                                                                    | 13 465                          | 70.85             | 82.65             | -32.09            | 88.67            | 0.2767 | -0.0948 | 338.7           | -1 513c                         | 22 513                          |      |  |  |
| 34 572                                                                                                                    | 14 470                          | 69.71             | 84.91             | -38.5             | 93.23            | 0.2787 | -0.0984 | 335.6           | -1 521c                         | 24 521                          |      |  |  |
| 35 575                                                                                                                    | 15 475                          | 67.93             | 87.5              | -45.01            | 98.4             | 0.2814 | -0.1023 | 332.7           | -1 529c                         | 25 529                          | Mm   |  |  |
| 36 581                                                                                                                    | 16 480                          | 65.05             | 90.38             | -52.57            | 104.56           | 0.2853 | -0.1074 | 329.8           | -1 538c                         | 27 538                          |      |  |  |
| 38 591                                                                                                                    | 17 485                          | 58.76             | 93.68             | -65.35            | 114.22           | 0.2925 | -0.1177 | 325.1           | -1 548c                         | 29 548                          |      |  |  |
| -1 490c                                                                                                                   | 18 490                          | 25.68             | 75.25             | -123.82           | 144.89           | 0.3217 | -0.2127 | 301.2           | 11 457                          | 33 568                          |      |  |  |
| -1 494c                                                                                                                   | 18 495                          | 25.68             | 75.25             | -123.82           | 144.89           | 0.3217 | -0.2127 | 301.2           | 11 457                          | 33 568                          |      |  |  |
| -1 500c                                                                                                                   | 20 500                          | 32.66             | 45.51             | -113.75           | 122.52           | 0.2758 | -0.184  | 291.8           | 12 463                          | 33 569                          |      |  |  |
| -1 510c                                                                                                                   | 22 510                          | 40.72             | 12.75             | -101.0            | 101.8            | 0.2384 | -0.1587 | 277.1           | 13 468                          | 34 571                          |      |  |  |
| -1 520c                                                                                                                   | 24 520                          | 49.28             | -18.32            | -86.83            | 88.74            | 0.2118 | -0.1383 | 258.0           | 14 473                          | 34 574                          | Bm   |  |  |
| -1 530c                                                                                                                   | 26 530                          | 57.48             | -42.7             | -72.99            | 84.57            | 0.196  | -0.1231 | 239.6           | 15 476                          | 35 577                          |      |  |  |
| -1 540c                                                                                                                   | 28 540                          | 64.96             | -58.82            | -60.26            | 84.21            | 0.1884 | -0.1118 | 225.6           | 15 479                          | 36 581                          |      |  |  |
| -1 544c                                                                                                                   | 28 545                          | 64.96             | -58.82            | -60.26            | 84.21            | 0.1884 | -0.1118 | 225.6           | 15 479                          | 36 581                          |      |  |  |
| -1 549c                                                                                                                   | 29 550                          | 68.4              | -63.93            | -54.37            | 83.92            | 0.1868 | -0.1072 | 220.3           | 16 481                          | 36 582                          |      |  |  |
| -1 555c                                                                                                                   | 31 555                          | 74.67             | -68.72            | -43.6             | 81.39            | 0.1867 | -0.0998 | 212.3           | 16 483                          | 37 587                          |      |  |  |
| 2 410                                                                                                                     | 32 560                          | 77.51             | -70.69            | -37.29            | 79.92            | 0.1868 | -0.0961 | 207.8           | 16 484                          | 38 591                          |      |  |  |
| 380                                                                                                                       | 770                             | 100.0             | 0.0               | 0.0               | 0.0              | 0.2266 | -0.078  | 0.0             |                                 |                                 |      |  |  |

| CIE data for all optimal colours of maximum (m) C <sub>AB</sub> , 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> | L* <sub>100</sub> | a* <sub>100</sub> | b* <sub>100</sub> | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> , λ <sub>d</sub> | i <sub>c</sub> , λ <sub>c</sub> | Code |  |  |
| 1 405                                                                                                                     | 29 548                          | 73.3              | -50.01            | -44.76            | 67.11            | 0.1953 | -0.1145 | 221.8           | 15 478                          | 36 582                          | Cm   |  |  |
| 6 435                                                                                                                     | 32 560                          | 79.94             | -76.22            | -17.84            | 78.28            | 0.1831 | -0.0983 | 193.1           | 17 485                          | 45 625                          |      |  |  |
| 10 450                                                                                                                    | 32 562                          | 80.53             | -104.49           | 14.53             | 105.5            | 0.1681 | -0.0809 | 172.0           | 19 496                          | -1 496c                         |      |  |  |
| 12 460                                                                                                                    | 33 565                          | 81.5              | -113.98           | 36.51             | 119.69           | 0.1636 | -0.0694 | 162.2           | 21 506                          | -1 506c                         |      |  |  |
| 12 465                                                                                                                    | 33 567                          | 82.45             | -111.56           | 38.14             | 117.9            | 0.1654 | -0.0688 | 161.1           | 21 508                          | -1 508c                         |      |  |  |
| 14 470                                                                                                                    | 34 570                          | 83.54             | -113.14           | 61.4              | 128.73           | 0.1653 | -0.0569 | 151.5           | 24 522                          | -1 522c                         |      |  |  |
| 15 475                                                                                                                    | 35 576                          | 85.46             | -106.13           | 74.79             | 129.83           | 0.17   | -0.0507 | 144.8           | 26 531                          | -1 531c                         | Gm   |  |  |
| 16 480                                                                                                                    | 37 585                          | 88.31             | -92.41            | 89.03             | 128.32           | 0.1783 | -0.0448 | 136.0           | 28 540                          | -1 540c                         |      |  |  |
| 17 485                                                                                                                    | 42 613                          | 94.52             | -53.15            | 108.23            | 120.58           | 0.1994 | -0.0383 | 116.1           | 31 555                          | 3 416                           |      |  |  |
| 18 490                                                                                                                    | -1 490c                         | 97.52             | -26.51            | 121.21            | 124.07           | 0.2123 | -0.0337 | 102.3           | 32 564                          | 11 455                          |      |  |  |
| 19 495                                                                                                                    | -1 495c                         | 96.9              | -23.91            | 127.4             | 129.63           | 0.2134 | -0.0306 | 100.6           | 32 564                          | 11 458                          |      |  |  |
| 20 500                                                                                                                    | -1 500c                         | 96.13             | -20.66            | 132.94            | 134.54           | 0.2149 | -0.0276 | 98.8            | 33 565                          | 12 461                          |      |  |  |
| 22 510                                                                                                                    | -1 510c                         | 93.95             | -12.04            | 141.63            | 142.15           | 0.2188 | -0.0223 | 94.8            | 33 568                          | 13 466                          |      |  |  |
| 24 520                                                                                                                    | -1 520c                         | 90.82             | -0.74             | 143.98            | 143.99           | 0.2241 | -0.0182 | 90.2            | 34 571                          | 14 470                          | Ym   |  |  |
| 25 530                                                                                                                    | -1 529c                         | 88.92             | 5.59              | 144.54            | 144.65           | 0.2273 | -0.0164 | 87.7            | 34 573                          | 14 472                          |      |  |  |
| 28 540                                                                                                                    | -1 540c                         | 82.07             | 25.75             | 138.65            | 141.02           | 0.2382 | -0.0121 | 79.4            | 35 579                          | 15 476                          |      |  |  |
| 28 545                                                                                                                    | -1 544c                         | 82.07             | 25.75             | 138.65            | 141.02           | 0.2382 | -0.0121 | 79.4            | 35 579                          | 15 476                          |      |  |  |
| 29 550                                                                                                                    | 1 408                           | 79.45             | 34.02             | 109.18            | 114.36           | 0.2431 | -0.0298 | 72.6            | 36 581                          | 15 478                          |      |  |  |
| 31 555                                                                                                                    | 3 415                           | 73.74             | 49.02             | 84.6              | 97.78            | 0.2529 | -0.0401 | 59.9            | 37 588                          | 16 481                          |      |  |  |
| 31 560                                                                                                                    | 4 424                           | 73.78             | 53.81             | 57.08             | 78.45            | 0.2557 | -0.056  | 46.6            | 38 594                          | 16 482                          |      |  |  |
| 29 548                                                                                                                    | 1 405                           | 78.68             | 35.74             | 109.89            | 115.55           | 0.2442 | -0.0289 | 71.9            | 36 582                          | 15 478                          | Rm   |  |  |
| 32 560                                                                                                                    | 6 435                           | 71.85             | 63.82             | 28.78             | 70.01            | 0.2623 | -0.0718 | 24.2            | 45 625                          | 17 485                          |      |  |  |
| 32 562                                                                                                                    | 10 450                          | 71.13             | 80.33             | -14.81            | 81.69            | 0.2725 | -0.0975 | 349.5           | -1 496c                         | 19 496                          |      |  |  |
| 33 565                                                                                                                    | 12 460                          | 69.91             | 88.03             | -30.74            | 93.24            | 0.2779 | -0.1071 | 340.7           | -1 506c                         | 21 506                          |      |  |  |
| 33 567                                                                                                                    | 12 465                          | 68.66             | 90.42             | -32.89            | 96.22            | 0.2801 | -0.1087 | 340.0           | -1 508c                         | 21 508                          |      |  |  |
| 34 570                                                                                                                    | 14 470                          | 67.14             | 95.48             | -44.81            | 105.47           | 0.2843 | -0.1164 | 334.8           | -1 522c                         | 24 522                          |      |  |  |
| 35 576                                                                                                                    | 15 475                          | 64.23             | 100.11            | -52.93            | 113.24           | 0.2895 | -0.1227 | 332.1           | -1 531c                         | 26 531                          | Mm   |  |  |
| 37 585                                                                                                                    | 16 480                          | 59.24             | 105.55            | -63.83            | 123.35           | 0.2976 | -0.1324 | 328.8           | -1 540c                         | 28 540                          |      |  |  |
| 42 613                                                                                                                    | 17 485                          | 43.53             | 109.82            | -92.6             | 143.65           | 0.3206 | -0.1688 | 319.8           | 3 416                           | 31 555                          |      |  |  |
| -1 490c                                                                                                                   | 18 490                          | 30.14             | 96.97             | -116.93           | 151.91           | 0.3341 | -0.2192 | 309.6           | 11 455                          | 32 564                          |      |  |  |
| -1 495c                                                                                                                   | 19 495                          | 33.58             | 82.27             | -111.96           | 138.94           | 0.311  | -0.205  | 306.3           | 11 458                          | 32 564                          |      |  |  |
| -1 500c                                                                                                                   | 20 500                          | 37.28             | 66.53             | -106.29           | 125.39           | 0.2896 | -0.1914 | 302.0           | 12 461                          | 33 565                          |      |  |  |
| -1 510c                                                                                                                   | 22 510                          | 45.41             | 33.28             | -93.19            | 98.96            | 0.2527 | -0.1668 | 289.6           | 13 466                          | 33 568                          |      |  |  |
| -1 520c                                                                                                                   | 24 520                          | 53.93             | 1.71              | -78.97            | 78.99            | 0.2258 | -0.1468 | 271.2           | 14 470                          | 34 571                          | Bm   |  |  |
| -1 529c                                                                                                                   | 25 530                          | 58.04             | -11.8             | -72.02            | 72.98            | 0.2162 | -0.1388 | 260.6           | 14 472                          | 34 573                          |      |  |  |
| -1 540c                                                                                                                   | 28 540                          | 69.17             | -40.58            | -53.04            | 66.78            | 0.1997 | -0.1208 | 232.5           | 15 476                          | 35 579                          |      |  |  |
| -1 544c                                                                                                                   | 28 545                          | 69.17             | -40.58            | -53.04            | 66.78            | 0.1997 | -0.1208 | 232.5           | 15 476                          | 35 579                          |      |  |  |
| 1 408                                                                                                                     | 29 550                          | 72.43             | -49.05            | -46.12            | 67.33            | 0.1956 | -0.1156 | 223.2           | 15 478                          | 36 581                          |      |  |  |
| 3 415                                                                                                                     | 31 555                          | 78.29             | -58.22            | -34.52            | 67.69            | 0.1923 | -0.1075 | 210.6           | 16 481                          | 37 588                          |      |  |  |
| 4 424                                                                                                                     | 31 560                          | 78.25             | -66.1             | -29.4             | 72.34            | 0.1879 | -0.1048 | 203.9           | 16 482                          | 38 594                          |      |  |  |
| 380                                                                                                                       | 770                             | 100.0             | 0.0               | 0.0               | 0.0              | 0.2245 | -0.0887 | 0.0             |                                 |                                 |      |  |  |