

|           |    | [X, Y, Z, x, y] |      |     |       |       |      |       |       |       |       | [L*, a*, b*, C*, ab, h, a', b', c', ab] |        |       |      |       |      |      |       |       |        | [Y, A, B, C, AB, a, b, c, AB] |    |    |     |     |      |      |     |      |       | [i, d, e, λ, d', λ', c] |       |       |      |       |      |      |       |  |  | [X, Y, Z] |  |  |  |  |  |  |  |  |  | [L*, a*, b*, C*, ab, h, a', b', c', ab] |  |  |  |  |  |  |  |  |  | [Y, A, B, C, AB, a, b, c, AB] |  |  |  |  |  |  |  |  |  |
|-----------|----|-----------------|------|-----|-------|-------|------|-------|-------|-------|-------|-----------------------------------------|--------|-------|------|-------|------|------|-------|-------|--------|-------------------------------|----|----|-----|-----|------|------|-----|------|-------|-------------------------|-------|-------|------|-------|------|------|-------|--|--|-----------|--|--|--|--|--|--|--|--|--|-----------------------------------------|--|--|--|--|--|--|--|--|--|-------------------------------|--|--|--|--|--|--|--|--|--|
| 0099-R00B | 00 | 27.2            | 11.6 | 1.4 | 0.677 | 0.289 | 40.6 | 85.6  | 50.8  | 99.6  | 30.7  | 0.291                                   | -0.102 | 0.136 | 11.6 | 16.2  | 4.5  | 16.8 | 15.5  | 2.342 | -0.047 | 1.446                         | 46 | 17 | 631 | 487 | 24.1 | 10.3 | 1.2 | 38.3 | 82.3  | 48.8                    | 95.6  | 30.7  | 10.3 | 14.3  | 4.0  | 14.9 | 15.5  |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-Y95R | 01 | 29.8            | 13.5 | 0.0 | 0.683 | 0.305 | 43.1 | 85.0  | 69.3  | 109.6 | 39.2  | 0.287                                   | -0.061 | 0.169 | 13.2 | 17.0  | 6.5  | 18.1 | 18.0  | 2.253 | -0.01  | 1.371                         | 43 | 17 | 617 | 487 | 26.4 | 11.7 | 0.3 | 40.7 | 81.6  | 65.8                    | 104.9 | 38.9  | 11.7 | 15.3  | 5.0  | 16.0 | 18.0  |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-Y95R | 02 | 32.3            | 15.2 | 0.0 | 0.683 | 0.310 | 45.6 | 83.2  | 78.7  | 114.5 | 43.4  | 0.283                                   | 0.0    | 0.226 | 15.0 | 18.0  | 6.5  | 19.2 | 18.9  | 2.151 | 0.0    | 1.278                         | 42 | 17 | 610 | 486 | 28.6 | 11.3 | 0.0 | 43.2 | 79.9  | 74.5                    | 109.3 | 40.3  | 13.3 | 16.0  | 5.8  | 17.0 | 19.0  |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-YB50 | 03 | 34.1            | 16.9 | 0.0 | 0.671 | 0.329 | 41.3 | 80.2  | 82.1  | 124.9 | 46.0  | 0.278                                   | 0.0    | 0.225 | 16.2 | 18.0  | 7.3  | 20.2 | 19.0  | 2.037 | 0.0    | 1.173                         | 41 | 17 | 606 | 486 | 30.5 | 11.0 | 0.0 | 45.6 | 77.4  | 82.2                    | 110.2 | 45.6  | 16.5 | 17.5  | 21.8 | 21.8 |       |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-YB04 | 04 | 36.3            | 18.8 | 0.0 | 0.659 | 0.341 | 50.5 | 76.4  | 86.7  | 115.5 | 48.6  | 0.273                                   | -0.02  | 0.203 | 18.8 | 18.4  | 8.2  | 20.2 | 23.9  | 1.93  | 0.0    | 1.073                         | 40 | 17 | 602 | 486 | 32.1 | 16.7 | 0.0 | 47.8 | 73.4  | 82.2                    | 110.2 | 48.2  | 16.7 | 16.3  | 7.2  | 17.9 | 23.9  |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-Y75R | 05 | 38.2            | 20.7 | 0.1 | 0.647 | 0.352 | 52.7 | 73.0  | 89.5  | 115.5 | 50.8  | 0.269                                   | -0.033 | 0.189 | 20.7 | 18.5  | 9.0  | 20.5 | 25.9  | 1.84  | -0.001 | 0.99                          | 39 | 17 | 599 | 485 | 33.8 | 18.4 | 0.1 | 49.9 | 70.1  | 85.0                    | 110.2 | 50.5  | 16.4 | 16.4  | 8.0  | 18.2 | 25.9  |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-Y70R | 06 | 40.0            | 22.7 | 0.0 | 0.638 | 0.362 | 54.8 | 69.8  | 94.4  | 117.4 | 53.5  | 0.265                                   | 0.0    | 0.221 | 22.7 | 18.4  | 9.9  | 20.9 | 28.2  | 1.762 | 0.0    | 0.922                         | 39 | 17 | 597 | 485 | 35.4 | 20.1 | 0.0 | 52.0 | 67.1  | 89.6                    | 111.9 | 53.2  | 20.1 | 16.3  | 8.7  | 18.5 | 28.2  |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-Y65R | 07 | 41.7            | 24.7 | 0.0 | 0.628 | 0.372 | 56.8 | 66.5  | 97.8  | 118.3 | 55.8  | 0.261                                   | 0.0    | 0.22  | 24.7 | 18.3  | 10.7 | 21.2 | 30.4  | 1.69  | 0.0    | 0.859                         | 39 | 16 | 595 | 484 | 36.9 | 21.9 | 0.0 | 53.9 | 63.9  | 92.9                    | 112.7 | 55.5  | 21.9 | 16.2  | 9.5  | 18.8 | 30.4  |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-Y60R | 08 | 43.2            | 26.7 | 0.0 | 0.618 | 0.382 | 58.7 | 62.7  | 101.2 | 119.0 | 58.2  | 0.257                                   | 0.0    | 0.22  | 26.7 | 17.9  | 11.6 | 21.3 | 33.0  | 1.619 | 0.0    | 0.799                         | 38 | 16 | 592 | 484 | 38.3 | 23.7 | 0.0 | 55.7 | 60.2  | 96.1                    | 113.4 | 57.9  | 23.7 | 15.8  | 10.3 | 18.9 | 33.0  |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-Y55R | 09 | 44.6            | 28.9 | 0.1 | 0.607 | 0.392 | 60.6 | 58.4  | 103.9 | 119.2 | 60.6  | 0.254                                   | -0.024 | 0.194 | 28.9 | 17.2  | 12.5 | 21.3 | 36.0  | 1.547 | 0.0    | 0.739                         | 38 | 16 | 590 | 483 | 39.5 | 25.6 | 0.0 | 57.6 | 56.1  | 98.7                    | 113.5 | 60.4  | 25.6 | 15.3  | 11.1 | 18.9 | 36.0  |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-Y50R | 10 | 46.2            | 31.2 | 0.1 | 0.596 | 0.403 | 62.7 | 54.1  | 107.1 | 119.9 | 63.2  | 0.25                                    | -0.026 | 0.191 | 31.2 | 16.5  | 13.5 | 21.4 | 39.3  | 1.48  | 0.0    | 0.685                         | 37 | 16 | 588 | 483 | 40.9 | 27.6 | 0.1 | 59.6 | 51.9  | 101.8                   | 114.3 | 63.0  | 27.6 | 14.7  | 12.0 | 18.9 | 39.3  |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-Y45R | 11 | 48.1            | 33.9 | 0.1 | 0.586 | 0.413 | 64.9 | 50.0  | 110.8 | 121.6 | 65.7  | 0.246                                   | -0.026 | 0.192 | 33.9 | 15.9  | 14.7 | 21.7 | 42.8  | 1.419 | 0.0    | 0.64                          | 37 | 16 | 586 | 482 | 42.6 | 30.0 | 0.1 | 61.7 | 48.0  | 105.4                   | 115.8 | 65.5  | 30.0 | 14.1  | 13.0 | 19.2 | 42.8  |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-Y40R | 12 | 50.4            | 37.0 | 0.1 | 0.576 | 0.423 | 67.3 | 46.0  | 115.3 | 124.1 | 68.3  | 0.243                                   | -0.022 | 0.195 | 37.0 | 15.3  | 16.1 | 22.2 | 46.4  | 1.363 | 0.0    | 0.6                           | 37 | 16 | 585 | 482 | 44.7 | 32.8 | 0.0 | 64.0 | 44.2  | 109.7                   | 118.2 | 68.1  | 32.8 | 13.6  | 14.2 | 19.7 | 46.4  |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-Y35R | 13 | 53.3            | 40.7 | 0.1 | 0.566 | 0.433 | 70.0 | 41.9  | 119.3 | 126.5 | 70.7  | 0.24                                    | -0.026 | 0.19  | 40.7 | 14.6  | 17.7 | 22.9 | 50.4  | 1.309 | 0.0    | 0.564                         | 36 | 16 | 583 | 481 | 47.2 | 36.0 | 0.1 | 66.6 | 40.2  | 113.6                   | 120.5 | 70.5  | 36.0 | 13.0  | 15.7 | 20.3 | 50.4  |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-Y30R | 14 | 56.3            | 44.8 | 0.1 | 0.557 | 0.443 | 72.8 | 37.5  | 124.3 | 129.8 | 73.2  | 0.237                                   | -0.024 | 0.191 | 44.8 | 13.8  | 19.5 | 23.8 | 54.7  | 1.257 | 0.0    | 0.532                         | 36 | 16 | 581 | 480 | 49.9 | 39.7 | 0.1 | 69.2 | 36.0  | 118.4                   | 123.7 | 73.1  | 39.7 | 12.2  | 17.2 | 21.1 | 54.7  |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-Y25R | 15 | 59.4            | 49.3 | 0.1 | 0.546 | 0.453 | 75.6 | 32.6  | 128.7 | 132.8 | 75.8  | 0.233                                   | -0.027 | 0.188 | 49.3 | 12.6  | 21.4 | 24.8 | 59.6  | 1.204 | 0.0    | 0.503                         | 36 | 15 | 580 | 479 | 52.6 | 43.7 | 0.1 | 72.0 | 31.3  | 122.6                   | 126.6 | 75.7  | 43.7 | 11.1  | 19.0 | 22.0 | 59.6  |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-Y20R | 16 | 63.0            | 54.8 | 0.1 | 0.534 | 0.465 | 78.9 | 27.0  | 134.9 | 137.6 | 78.7  | 0.23                                    | -0.023 | 0.192 | 54.8 | 11.0  | 23.8 | 26.2 | 65.3  | 1.15  | 0.0    | 0.478                         | 35 | 15 | 578 | 478 | 55.8 | 48.5 | 0.1 | 75.2 | 25.9  | 128.6                   | 131.2 | 78.6  | 48.5 | 9.7   | 21.1 | 23.2 | 65.3  |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-Y15R | 17 | 67.3            | 61.6 | 0.2 | 0.522 | 0.477 | 82.7 | 20.5  | 140.1 | 141.6 | 81.7  | 0.226                                   | -0.028 | 0.187 | 61.6 | 8.8   | 26.7 | 28.1 | 71.7  | 1.093 | 0.0    | 0.457                         | 35 | 15 | 576 | 477 | 59.6 | 54.5 | 0.2 | 78.8 | 19.6  | 133.7                   | 135.1 | 81.6  | 54.5 | 7.8   | 23.7 | 24.9 | 71.7  |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-Y10R | 18 | 70.7            | 68.0 | 0.3 | 0.508 | 0.489 | 86.0 | 13.5  | 143.8 | 144.5 | 84.7  | 0.222                                   | -0.034 | 0.181 | 68.0 | 6.1   | 29.5 | 30.1 | 78.3  | 1.039 | -0.001 | 0.443                         | 34 | 15 | 574 | 476 | 62.6 | 60.2 | 0.3 | 82.0 | 12.9  | 137.4                   | 138.0 | 84.0  | 60.2 | 5.4   | 26.1 | 26.7 | 78.3  |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-Y05R | 19 | 71.8            | 72.4 | 0.5 | 0.496 | 0.5   | 88.2 | 6.5   | 144.9 | 145.0 | 87.4  | 0.219                                   | -0.039 | 0.176 | 72.4 | 3.0   | 31.3 | 31.5 | 84.5  | 0.991 | -0.002 | 0.434                         | 34 | 14 | 572 | 474 | 63.6 | 64.2 | 0.4 | 84.1 | 6.3   | 138.6                   | 138.7 | 87.4  | 64.2 | 2.7   | 27.7 | 27.9 | 84.5  |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-Y00R | 20 | 70.8            | 74.5 | 0.7 | 0.485 | 0.51  | 89.2 | 0.1   | 143.7 | 143.7 | 90.0  | 0.215                                   | -0.043 | 0.172 | 74.5 | 0.0   | 32.1 | 32.1 | 89.9  | 0.95  | -0.003 | 0.431                         | 34 | 14 | 571 | 472 | 62.7 | 65.0 | 0.6 | 85.0 | 0.1   | 137.7                   | 137.7 | 90.0  | 66.0 | 0.0   | 28.5 | 28.5 | 89.9  |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-G95Y | 21 | 68.0            | 74.4 | 0.8 | 0.475 | 0.519 | 87.9 | -5.5  | 141.7 | 141.8 | 92.3  | 0.213                                   | -0.046 | 0.169 | 74.4 | -2.5  | 32.0 | 32.1 | 94.6  | 0.915 | -0.003 | 0.432                         | 33 | 14 | 569 | 470 | 60.3 | 65.9 | 0.7 | 84.9 | -5.3  | 135.9                   | 136.0 | 92.3  | 65.9 | -2.2  | 28.4 | 28.5 | 94.6  |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-G90Y | 22 | 64.7            | 73.1 | 0.8 | 0.467 | 0.527 | 88.5 | -10.4 | 140.5 | 140.9 | 94.3  | 0.21                                    | -0.046 | 0.169 | 73.1 | -4.6  | 31.5 | 31.8 | 98.6  | 0.885 | -0.004 | 0.435                         | 33 | 13 | 568 | 468 | 57.3 | 63.8 | 0.7 | 84.4 | -10.0 | 134.8                   | 135.2 | 94.3  | 64.8 | -4.1  | 27.9 | 28.2 | 98.6  |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-G85Y | 23 | 61.7            | 71.8 | 0.9 | 0.459 | 0.534 | 87.9 | -14.6 | 138.5 | 139.2 | 96.1  | 0.208                                   | -0.047 | 0.168 | 71.8 | -6.4  | 30.9 | 31.5 | 101.9 | 0.859 | -0.004 | 0.44                          | 33 | 13 | 567 | 465 | 54.6 | 63.6 | 0.8 | 83.8 | -14.0 | 132.9                   | 133.8 | 96.1  | 63.6 | -5.7  | 27.3 | 27.9 | 101.9 |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-G80Y | 24 | 58.8            | 70.3 | 0.8 | 0.453 | 0.541 | 87.1 | -18.3 | 138.4 | 139.9 | 97.6  | 0.207                                   | -0.047 | 0.168 | 70.3 | -7.8  | 30.3 | 31.3 | 104.7 | 0.836 | -0.004 | 0.445                         | 33 | 12 | 566 | 463 | 52.1 | 62.3 | 0.7 | 83.1 | -17.6 | 132.7                   | 133.9 | 97.6  | 62.3 | -6.9  | 26.8 | 27.7 | 104.7 |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-G75Y | 25 | 55.8            | 68.4 | 0.6 | 0.447 | 0.548 | 86.2 | -21.6 | 140.2 | 141.8 | 98.8  | 0.205                                   | -0.042 | 0.173 | 68.4 | -9.0  | 29.5 | 30.9 | 107.2 | 0.816 | -0.002 | 0.452                         | 33 | 12 | 565 | 460 | 49.4 | 60.6 | 0.5 | 82.1 | -20.7 | 134.1                   | 135.8 | 98.8  | 60.6 | -8.0  | 26.1 | 27.4 | 107.2 |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-G70Y | 26 | 52.6            | 66.0 | 0.6 | 0.441 | 0.554 | 85.0 | -24.5 | 138.4 | 140.6 | 100.1 | 0.203                                   | -0.042 | 0.173 | 66.0 | -10.0 | 28.5 | 30.2 | 109.4 | 0.797 | -0.002 | 0.458                         | 32 | 11 | 564 | 456 | 46.6 | 58.5 | 0.5 | 81.0 | -23.6 | 132.4                   | 134.5 | 100.1 | 58.5 | -8.8  | 25.2 | 26.8 | 109.4 |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-G65Y | 27 | 49.2            | 63.2 | 0.6 | 0.435 | 0.559 | 83.6 | -27.4 | 135.8 | 138.5 | 101.4 | 0.202                                   | -0.043 | 0.172 | 63.2 | -10.0 | 27.3 | 29.3 | 111.6 | 0.778 | -0.003 | 0.464                         | 32 | 10 | 563 | 451 | 43.6 | 56.0 | 0.5 | 79.6 | -26.3 | 129.9                   | 132.6 | 101.5 | 56.0 | -9.5  | 24.2 | 26.0 | 111.6 |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-G60Y | 28 | 45.5            | 60.2 | 0.7 | 0.429 | 0.565 | 81.8 | -30.2 | 131.8 | 135.2 | 103.0 | 0.2                                     | -0.045 | 0.17  | 60.0 | -11.3 | 25.8 | 28.3 | 113.8 | 0.759 | -0.003 | 0.471                         | 32 | 8  | 563 | 443 | 40.3 | 53.2 | 0.6 | 78.0 | -29.0 | 126.2                   | 129.3 | 103.0 | 53.2 | -10.0 | 22.9 | 25.0 | 113.8 |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-G55Y | 30 | 42.4            | 56.0 | 0.0 | 0.422 | 0.573 | 79.8 | -33.3 | 130.1 | 134.3 | 104.4 | 0.198                                   | -0.043 | 0.173 | 56.2 | -11.8 | 24.3 | 27.0 | 116.2 | 0.737 | -0.003 | 0.481                         | 32 | 5  | 562 | 427 | 36.7 | 49.8 | 0.8 | 76.0 | -32.0 | 124.4                   | 128.4 | 104.5 | 49.8 | -10.5 | 21.5 | 24.0 | 116.2 |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-G50Y | 32 | 37.1            | 52.2 | 0.4 | 0.414 | 0.582 | 77.4 | -36.8 | 127.4 | 132.7 | 106.2 | 0.196                                   | -0.041 | 0.175 | 52.2 | -12.3 | 22.5 | 27.7 | 118.9 | 0.711 | -0.002 | 0.493                         | 32 | -1 | 560 | 560 | 32.9 | 46.2 | 0.4 | 73.7 | -35.4 | 121.7                   | 126.8 | 106.2 | 46.2 | -10.9 | 20.0 | 22.8 | 118.9 |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |
| 0099-G45Y | 31 | 32.8            | 48.2 | 0.4 | 0.403 | 0.592 | 75.0 | -41.0 | 123.4 | 130.0 | 108.4 | 0.193                                   | -0.042 | 0.174 | 48.2 | -12.9 | 20.8 | 24.5 | 121   |       |        |                               |    |    |     |     |      |      |     |      |       |                         |       |       |      |       |      |      |       |  |  |           |  |  |  |  |  |  |  |  |  |                                         |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |

| Cod.      | i   | [X, Y, Z, x, y] <sub>100</sub> |      |       |       |       | [L*, a*, b*, C <sub>ab</sub> , h <sub>ab</sub> , a', b', c', c' <sub>ab</sub> ] <sub>100</sub> |     |     |     |       | [Y, A, B, C <sub>AB</sub> , h <sub>AB</sub> , a, b, c, c <sub>AB</sub> ] <sub>100</sub> |        |      |      |     | [i <sub>d</sub> , i <sub>c</sub> , λ <sub>d</sub> , λ <sub>c</sub> ] <sub>100</sub> |     |       |       |        | [X, Y, Z] <sub>89</sub> |    |    |      |      | [L*, a*, b*, C <sub>ab</sub> , h <sub>ab</sub> ] <sub>89</sub> |      |      |      |     | [Y, A, B, C <sub>AB</sub> , h <sub>AB</sub> ] <sub>89</sub> |     |       |      |     |     |     |       |
|-----------|-----|--------------------------------|------|-------|-------|-------|------------------------------------------------------------------------------------------------|-----|-----|-----|-------|-----------------------------------------------------------------------------------------|--------|------|------|-----|-------------------------------------------------------------------------------------|-----|-------|-------|--------|-------------------------|----|----|------|------|----------------------------------------------------------------|------|------|------|-----|-------------------------------------------------------------|-----|-------|------|-----|-----|-----|-------|
| 9900-W99N | 80  | 0.7                            | 0.8  | 0.9   | 0.312 | 0.329 | 7.0                                                                                            | 0.0 | 0.0 | 0.0 | 227.8 | 0.215                                                                                   | -0.215 | 0.01 | 0.8  | 0.0 | 0.0                                                                                 | 0.0 | 229.9 | 0.949 | -0.435 | 0.01                    | 16 | 36 | 481  | 583  | 0.7                                                            | 0.7  | 0.8  | 6.2  | 0.0 | 0.0                                                         | 0.0 | 227.8 | 0.7  | 0.0 | 0.0 | 0.0 | 229.7 |
| 9500-W95N | 81  | 2.4                            | 2.5  | 2.8   | 0.312 | 0.329 | 18.1                                                                                           | 0.0 | 0.0 | 0.0 | 164.0 | 0.215                                                                                   | -0.214 | 0.01 | 2.5  | 0.0 | 0.0                                                                                 | 0.0 | 160.6 | 0.949 | -0.434 | 0.01                    | 20 | -1 | 504  | 504c | 2.1                                                            | 2.2  | 2.4  | 16.7 | 0.0 | 0.0                                                         | 0.0 | 164.0 | 2.2  | 0.0 | 0.0 | 0.0 | 160.5 |
| 9000-W90N | 82  | 4.2                            | 4.4  | 4.8   | 0.313 | 0.329 | 25.0                                                                                           | 0.0 | 0.0 | 0.0 | 329.0 | 0.215                                                                                   | -0.215 | 0.01 | 4.4  | 0.0 | 0.0                                                                                 | 0.0 | 326.1 | 0.95  | -0.434 | 0.01                    | -1 | 27 | 537c | 537  | 3.7                                                            | 3.9  | 4.2  | 23.3 | 0.0 | 0.0                                                         | 0.0 | 329.0 | 3.9  | 0.0 | 0.0 | 0.0 | 326.2 |
| 8500-W85N | 83  | 6.1                            | 6.4  | 7.0   | 0.313 | 0.329 | 30.4                                                                                           | 0.0 | 0.0 | 0.1 | 325.8 | 0.215                                                                                   | -0.215 | 0.01 | 6.4  | 0.0 | 0.0                                                                                 | 0.0 | 322.4 | 0.95  | -0.435 | 0.01                    | -1 | 28 | 542c | 542  | 5.4                                                            | 5.7  | 6.2  | 28.6 | 0.0 | 0.0                                                         | 0.1 | 325.8 | 5.7  | 0.0 | 0.0 | 0.0 | 322.5 |
| 8000-W80N | 84  | 8.1                            | 8.6  | 9.3   | 0.313 | 0.329 | 35.1                                                                                           | 0.0 | 0.0 | 0.0 | 318.5 | 0.215                                                                                   | -0.215 | 0.01 | 8.6  | 0.0 | 0.0                                                                                 | 0.0 | 314.9 | 0.95  | -0.434 | 0.01                    | -1 | 30 | 550c | 550  | 7.2                                                            | 7.6  | 8.3  | 33.1 | 0.0 | 0.0                                                         | 0.0 | 318.5 | 7.6  | 0.0 | 0.0 | 0.0 | 315.0 |
| 7500-W75N | 85  | 10.4                           | 10.9 | 11.9  | 0.313 | 0.329 | 39.4                                                                                           | 0.1 | 0.0 | 0.1 | 351.1 | 0.216                                                                                   | -0.214 | 0.01 | 10.9 | 0.0 | 0.0                                                                                 | 0.0 | 350.1 | 0.95  | -0.434 | 0.01                    | -1 | 19 | 497c | 497  | 9.2                                                            | 9.7  | 10.5 | 37.2 | 0.1 | 0.0                                                         | 0.1 | 351.1 | 9.7  | 0.0 | 0.0 | 0.0 | 350.1 |
| 7000-W70N | 86  | 12.8                           | 13.4 | 14.6  | 0.313 | 0.329 | 43.4                                                                                           | 0.1 | 0.0 | 0.1 | 331.0 | 0.215                                                                                   | -0.215 | 0.01 | 13.4 | 0.0 | 0.0                                                                                 | 0.0 | 327.7 | 0.95  | -0.434 | 0.01                    | -1 | 26 | 533c | 533  | 11.3                                                           | 11.9 | 12.9 | 41.0 | 0.1 | 0.0                                                         | 0.1 | 331.0 | 11.9 | 0.0 | 0.0 | 0.0 | 327.8 |
| 6500-W65N | 87  | 15.4                           | 16.1 | 17.6  | 0.313 | 0.329 | 47.2                                                                                           | 0.1 | 0.0 | 0.1 | 342.8 | 0.216                                                                                   | -0.215 | 0.01 | 16.1 | 0.0 | 0.0                                                                                 | 0.0 | 340.6 | 0.95  | -0.434 | 0.01                    | -1 | 21 | 506c | 506  | 13.6                                                           | 14.3 | 15.6 | 44.7 | 0.1 | 0.0                                                         | 0.1 | 342.8 | 14.3 | 0.0 | 0.0 | 0.0 | 340.6 |
| 6000-W60N | 88  | 18.2                           | 19.1 | 20.8  | 0.313 | 0.329 | 50.8                                                                                           | 0.1 | 0.0 | 0.1 | 334.8 | 0.216                                                                                   | -0.215 | 0.01 | 19.1 | 0.0 | 0.0                                                                                 | 0.0 | 331.8 | 0.95  | -0.435 | 0.01                    | -1 | 24 | 523c | 523  | 16.1                                                           | 16.9 | 18.5 | 48.2 | 0.1 | 0.0                                                         | 0.1 | 334.8 | 16.9 | 0.0 | 0.0 | 0.0 | 331.8 |
| 5500-W55N | 89  | 21.3                           | 22.4 | 24.4  | 0.313 | 0.329 | 54.4                                                                                           | 0.1 | 0.0 | 0.1 | 344.2 | 0.216                                                                                   | -0.214 | 0.01 | 22.4 | 0.0 | 0.0                                                                                 | 0.0 | 342.1 | 0.95  | -0.434 | 0.01                    | -1 | 20 | 504c | 504  | 18.9                                                           | 19.8 | 21.6 | 51.7 | 0.1 | 0.0                                                         | 0.1 | 344.2 | 19.8 | 0.0 | 0.0 | 0.0 | 342.1 |
| 5000-W50N | 90  | 24.7                           | 26.0 | 28.3  | 0.313 | 0.329 | 58.0                                                                                           | 0.1 | 0.0 | 0.2 | 339.5 | 0.216                                                                                   | -0.215 | 0.01 | 26.0 | 0.0 | 0.0                                                                                 | 0.0 | 336.9 | 0.951 | -0.435 | 0.01                    | -1 | 22 | 512c | 512  | 21.9                                                           | 23.0 | 25.0 | 55.1 | 0.1 | 0.0                                                         | 0.1 | 339.5 | 23.0 | 0.0 | 0.0 | 0.0 | 336.9 |
| 4500-W45N | 91  | 28.4                           | 29.9 | 32.6  | 0.313 | 0.329 | 61.6                                                                                           | 0.1 | 0.0 | 0.1 | 337.4 | 0.216                                                                                   | -0.215 | 0.01 | 29.9 | 0.0 | 0.0                                                                                 | 0.0 | 334.6 | 0.951 | -0.435 | 0.01                    | -1 | 23 | 517c | 517  | 25.2                                                           | 26.5 | 28.9 | 58.5 | 0.1 | 0.0                                                         | 0.1 | 337.4 | 26.5 | 0.0 | 0.0 | 0.0 | 334.6 |
| 4000-W40N | 92  | 32.6                           | 34.3 | 37.3  | 0.313 | 0.329 | 65.2                                                                                           | 0.1 | 0.0 | 0.1 | 340.2 | 0.216                                                                                   | -0.215 | 0.01 | 34.3 | 0.0 | 0.0                                                                                 | 0.0 | 337.6 | 0.95  | -0.434 | 0.01                    | -1 | 22 | 511c | 511  | 28.9                                                           | 30.4 | 33.1 | 62.0 | 0.1 | 0.0                                                         | 0.1 | 340.2 | 30.4 | 0.0 | 0.0 | 0.0 | 337.6 |
| 3500-W35N | 93  | 37.2                           | 39.2 | 42.7  | 0.313 | 0.329 | 68.9                                                                                           | 0.1 | 0.0 | 0.1 | 338.0 | 0.216                                                                                   | -0.215 | 0.01 | 39.2 | 0.0 | 0.0                                                                                 | 0.0 | 335.2 | 0.95  | -0.435 | 0.01                    | -1 | 23 | 515c | 515  | 33.0                                                           | 34.7 | 37.8 | 65.5 | 0.1 | 0.0                                                         | 0.1 | 338.0 | 34.7 | 0.0 | 0.0 | 0.0 | 335.2 |
| 3000-W30N | 94  | 42.4                           | 44.7 | 48.6  | 0.313 | 0.329 | 72.7                                                                                           | 0.1 | 0.0 | 0.2 | 341.0 | 0.216                                                                                   | -0.215 | 0.01 | 44.7 | 0.0 | 0.0                                                                                 | 0.1 | 338.5 | 0.951 | -0.434 | 0.01                    | -1 | 21 | 509c | 509  | 37.6                                                           | 39.6 | 43.1 | 69.2 | 0.1 | 0.0                                                         | 0.2 | 341.0 | 39.6 | 0.0 | 0.0 | 0.0 | 338.5 |
| 2500-W25N | 95  | 48.3                           | 50.8 | 55.4  | 0.313 | 0.329 | 76.6                                                                                           | 0.1 | 0.0 | 0.2 | 336.2 | 0.216                                                                                   | -0.215 | 0.01 | 50.8 | 0.1 | 0.0                                                                                 | 0.1 | 333.2 | 0.95  | -0.435 | 0.01                    | -1 | 24 | 520c | 520  | 42.8                                                           | 45.0 | 49.0 | 72.9 | 0.1 | 0.0                                                         | 0.2 | 336.2 | 45.0 | 0.0 | 0.0 | 0.1 | 333.2 |
| 2000-W20N | 96  | 55.0                           | 57.9 | 63.1  | 0.313 | 0.329 | 80.7                                                                                           | 0.2 | 0.0 | 0.2 | 338.8 | 0.216                                                                                   | -0.215 | 0.01 | 57.9 | 0.1 | 0.0                                                                                 | 0.1 | 336.0 | 0.95  | -0.435 | 0.01                    | -1 | 22 | 514c | 514  | 48.8                                                           | 51.3 | 55.9 | 76.9 | 0.1 | 0.0                                                         | 0.2 | 338.8 | 51.3 | 0.1 | 0.0 | 0.1 | 336.0 |
| 1500-W15N | 97  | 62.8                           | 66.0 | 71.9  | 0.313 | 0.329 | 85.0                                                                                           | 0.2 | 0.0 | 0.2 | 339.6 | 0.216                                                                                   | -0.215 | 0.01 | 66.0 | 0.1 | 0.0                                                                                 | 0.1 | 336.9 | 0.95  | -0.434 | 0.01                    | -1 | 22 | 512c | 512  | 55.6                                                           | 58.5 | 63.7 | 81.0 | 0.2 | 0.0                                                         | 0.2 | 339.6 | 58.5 | 0.1 | 0.0 | 0.1 | 337.0 |
| 1000-W10N | 98  | 71.7                           | 75.5 | 82.2  | 0.313 | 0.329 | 89.6                                                                                           | 0.2 | 0.0 | 0.2 | 338.8 | 0.216                                                                                   | -0.215 | 0.01 | 75.5 | 0.1 | 0.0                                                                                 | 0.1 | 336.1 | 0.95  | -0.435 | 0.01                    | -1 | 22 | 513c | 513  | 63.6                                                           | 66.9 | 72.8 | 85.4 | 0.2 | 0.0                                                         | 0.2 | 338.8 | 66.9 | 0.1 | 0.0 | 0.1 | 336.1 |
| 0500-W05N | 99  | 82.3                           | 86.6 | 94.3  | 0.313 | 0.329 | 94.6                                                                                           | 0.2 | 0.0 | 0.2 | 338.5 | 0.216                                                                                   | -0.215 | 0.01 | 86.6 | 0.1 | 0.0                                                                                 | 0.1 | 335.7 | 0.95  | -0.435 | 0.01                    | -1 | 22 | 514c | 514  | 72.9                                                           | 76.7 | 83.5 | 90.2 | 0.2 | 0.0                                                         | 0.2 | 338.5 | 76.7 | 0.1 | 0.0 | 0.1 | 335.7 |
| 0000-W00N | 100 | 94.9                           | 99.9 | 108.8 | 0.313 | 0.329 | 100.0                                                                                          | 0.2 | 0.0 | 0.2 | 338.2 | 0.216                                                                                   | -0.215 | 0.01 | 99.9 | 0.1 | 0.0                                                                                 | 0.1 | 335.4 | 0.95  | -0.435 | 0.01                    | -1 | 23 | 515c | 515  | 84.1                                                           | 88.5 | 96.4 | 95.4 | 0.2 | 0.0                                                         | 0.2 | 338.2 | 88.5 | 0.1 | 0.0 | 0.1 | 335.4 |