

CIEXYZ and TUBJND data of *Ostwald* colours for CIE illuminant A00 with  $x_c=0,11$  and  $B_c=2,5$

smoothed data,  $\Delta\alpha = 10$

| n  | X <sub>3</sub> | Y <sub>3</sub> | Z <sub>3</sub> | x <sub>3</sub> | y <sub>3</sub> | h <sub>xy3</sub> | colour         | A <sub>3</sub> | B <sub>3</sub> | h <sub>AB,3</sub> | c <sub>ab,3</sub> | C <sub>AB,3</sub> |
|----|----------------|----------------|----------------|----------------|----------------|------------------|----------------|----------------|----------------|-------------------|-------------------|-------------------|
| 00 | 74.25          | 43.9           | 7.11           | 0.5927         | 0.3504         | 338.6            | R <sub>m</sub> | 60.0           | 0.0            | 0.0               | 0.5466            | 60.0              |
| 01 | 73.68          | 44.06          | 3.43           | 0.608          | 0.3636         | 344.7            |                | 59.08          | 10.41          | 10.0              | 0.5447            | 60.0              |
| 02 | 74.39          | 46.93          | 1.2            | 0.6071         | 0.383          | 351.3            |                | 56.38          | 20.52          | 20.0              | 0.5113            | 60.0              |
| 03 | 76.72          | 50.54          | 1.21           | 0.5971         | 0.3933         | 354.6            |                | 51.96          | 30.0           | 30.0              | 0.4748            | 60.0              |
| 04 | 80.3           | 57.48          | 1.26           | 0.5775         | 0.4134         | 2.6              |                | 45.96          | 38.56          | 40.0              | 0.4175            | 60.0              |
| 05 | 81.6           | 60.72          | 1.29           | 0.5682         | 0.4228         | 7.2              |                | 38.56          | 45.96          | 50.0              | 0.3952            | 60.0              |
| 06 | 83.42          | 66.62          | 1.42           | 0.5507         | 0.4398         | 17.4             | Y <sub>m</sub> | 30.0           | 51.96          | 60.0              | 0.3602            | 60.0              |
| 07 | 84.38          | 71.52          | 1.66           | 0.5355         | 0.4539         | 27.8             |                | 20.52          | 56.38          | 70.0              | 0.3355            | 60.0              |
| 08 | 84.77          | 76.57          | 2.41           | 0.5176         | 0.4676         | 40.6             |                | 10.41          | 59.08          | 80.0              | 0.3134            | 60.0              |
| 09 | 84.79          | 77.63          | 2.84           | 0.513          | 0.4697         | 43.5             | max            | 0.0            | 60.0           | 90.0              | 0.3091            | 60.0              |
| 10 | 44.98          | 61.06          | 3.37           | 0.4111         | 0.558          | 103.5            |                | -10.41         | 59.08          | 100.0             | 0.393             | 60.0              |
| 11 | 32.57          | 53.85          | 4.01           | 0.3601         | 0.5954         | 114.9            |                | -20.52         | 56.38          | 110.0             | 0.4456            | 60.0              |
| 12 | 27.48          | 50.33          | 4.82           | 0.3325         | 0.6091         | 119.6            | G <sub>m</sub> | -30.0          | 51.96          | 120.0             | 0.4768            | 60.0              |
| 13 | 25.22          | 48.7           | 5.84           | 0.3161         | 0.6105         | 122.8            |                | -38.56         | 45.96          | 130.0             | 0.4928            | 60.0              |
| 14 | 23.93          | 47.65          | 8.67           | 0.2981         | 0.5937         | 128.6            |                | -45.96         | 38.56          | 140.0             | 0.5036            | 60.0              |
| 15 | 23.2           | 46.86          | 10.52          | 0.2879         | 0.5815         | 132.5            |                | -51.96         | 30.0           | 150.0             | 0.5121            | 60.0              |
| 16 | 22.57          | 46.26          | 10.51          | 0.2844         | 0.583          | 132.8            |                | -56.38         | 20.52          | 160.0             | 0.5188            | 60.0              |
| 17 | 22.49          | 46.0           | 12.62          | 0.2772         | 0.5671         | 136.8            |                | -59.08         | 10.41          | 170.0             | 0.5217            | 60.0              |
| 18 | 23.82          | 46.35          | 19.28          | 0.2662         | 0.5181         | 148.5            | C <sub>m</sub> | -60.0          | 0.0            | 180.0             | 0.5177            | 60.0              |
| 19 | 24.61          | 46.09          | 24.91          | 0.2573         | 0.482          | 158.5            |                | -59.08         | -10.41         | 190.0             | 0.5207            | 60.0              |
| 20 | 25.18          | 45.93          | 28.58          | 0.2525         | 0.4607         | 164.6            |                | -56.38         | -20.52         | 200.0             | 0.5225            | 60.0              |
| 21 | 24.47          | 43.06          | 30.81          | 0.2488         | 0.4378         | 171.2            |                | -51.96         | -30.0          | 210.0             | 0.5573            | 60.0              |
| 22 | 22.13          | 39.45          | 30.8           | 0.2395         | 0.427          | 174.6            |                | -45.96         | -38.56         | 220.0             | 0.6083            | 60.0              |
| 23 | 18.56          | 32.51          | 30.76          | 0.2268         | 0.3972         | 182.6            |                | -38.56         | -45.96         | 230.0             | 0.7382            | 60.0              |
| 24 | 17.25          | 29.27          | 30.72          | 0.2233         | 0.3789         | 187.2            | B <sub>m</sub> | -30.0          | -51.96         | 240.0             | 0.8199            | 60.0              |
| 25 | 17.25          | 29.27          | 30.72          | 0.2233         | 0.3789         | 187.2            |                | -20.52         | -56.38         | 250.0             | 0.8199            | 60.0              |
| 26 | 15.44          | 23.37          | 30.59          | 0.2224         | 0.3367         | 197.4            |                | -10.41         | -59.08         | 260.0             | 1.0269            | 60.0              |
| 27 | 14.48          | 18.47          | 30.35          | 0.2287         | 0.2917         | 207.8            |                | 0.0            | -60.0          | 270.0             | 1.2994            | 60.0              |
| 28 | 14.08          | 13.42          | 29.6           | 0.2465         | 0.235          | 220.6            | min            | 10.41          | -59.08         | 280.0             | 1.7883            | 60.0              |
| 29 | 14.07          | 12.36          | 29.17          | 0.253          | 0.2223         | 223.5            |                | 20.52          | -56.38         | 290.0             | 1.9417            | 60.0              |
| 30 | 53.88          | 28.93          | 28.64          | 0.4834         | 0.2595         | 283.6            |                | 30.0           | -51.96         | 300.0             | 0.8295            | 60.0              |
| 31 | 66.28          | 36.14          | 28.0           | 0.5082         | 0.2771         | 294.9            | M <sub>m</sub> | 38.56          | -45.96         | 310.0             | 0.664             | 60.0              |
| 32 | 71.38          | 39.66          | 27.19          | 0.5163         | 0.2869         | 299.7            |                | 45.96          | -38.56         | 320.0             | 0.6051            | 60.0              |
| 33 | 73.63          | 41.29          | 26.18          | 0.5218         | 0.2926         | 302.9            |                | 51.96          | -30.0          | 330.0             | 0.5812            | 60.0              |
| 34 | 74.92          | 42.34          | 23.35          | 0.5328         | 0.3011         | 308.7            |                | 56.38          | -20.52         | 340.0             | 0.5668            | 60.0              |
| 35 | 75.66          | 43.13          | 21.5           | 0.5393         | 0.3074         | 312.5            |                | 59.08          | -10.41         | 350.0             | 0.5564            | 60.0              |
| 36 | 76.28          | 43.73          | 21.5           | 0.539          | 0.309          | 312.9            |                | 60.0           | 0.0            | 360.0             | 0.5488            | 60.0              |
| 41 | 3.95           | 3.59           | 1.28           | 0.4475         | 0.4074         | 0.0              |                | 0.0            | 0.0            | 0.0               | 0.0               | 0.0               |
| 42 | 98.86          | 89.99          | 32.02          | 0.4475         | 0.4074         | 0.0              |                | 0.0            | 0.0            | 0.0               | 0.0               | 0.0               |

