

$$XYZ_{W,10} = 111.15, 99.99, 35.19$$

$$A_{2,10} = 2.5 (a_{2,10} - a_{2,n,10}) Y_{10}$$

$$B_{2,10} = 2.5 B_c (b_{2,10} - b_{2,n,10}) Y_{10}$$

$$a_{2,10} = a_{20} [(x_{10} - x_c) / y_{10}]$$

$$b_{2,10} = b_{20} [z_{10} / y_{10}]$$

$$a_{20} = 1, b_{20} = -0.4$$

$$x_c = 0.110, B_c = 2.500$$

$$C_{AB2,10} = [A_{2,10}^2 + B_{2,10}^2]^{1/2}$$

6 Ostwald colours (o)

of maximum (m)  $C_{AB,10}$  in

chromatic value diagram ( $A_{2,10}, B_{2,10}$ )

Illumin. A00,  $Y_{W,10} = 100, Y_{N,10} = 25$

| Name  | Range   | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | $\lambda_d$ | $\lambda_c$ |
|-------|---------|------------|------------|------------|------------|------------|-------------|-------------|
| $R_d$ | 575_775 | 85.43      | 56.02      | 8.83       | 0.5684     | 0.3727     | 606         | 493         |
| $Y_d$ | 498_775 | 107.11     | 96.32      | 10.48      | 0.5006     | 0.4502     | 577         | 469         |
| $G_d$ | 498_575 | 49.57      | 65.4       | 10.48      | 0.3951     | 0.5213     | 546         | 546c        |
| $C_d$ | 380_575 | 53.63      | 69.1       | 35.2       | 0.3395     | 0.4374     | 493         | 606         |
| $B_d$ | 380_498 | 31.96      | 28.79      | 33.55      | 0.3389     | 0.3052     | 469         | 577         |
| $M_d$ | 575_498 | 89.5       | 59.71      | 33.55      | 0.4896     | 0.3267     | 546c        | 546         |
| $W_d$ | 380_775 | 111.15     | 99.99      | 35.19      | 0.4511     | 0.4059     | 100%        |             |
| $N_d$ | 380_775 | 27.78      | 24.99      | 8.79       | 0.4511     | 0.4059     | 25%         |             |
| $Z_d$ | 380_775 | 20.0       | 18.0       | 6.33       | 0.4511     | 0.4059     | 18%         |             |

