

$$XYZ_{W,10} = 101.75, 100.0, 64.44$$

$$A_{1,10} = 2.5 (a_{1,10} - a_{1,n,10}) Y_{10}$$

$$B_{1,10} = 2.5 B_c (b_{1,10} - b_{1,n,10}) Y_{10}$$

$$a_{1,10} = a_{20} [(x_{10} - x_c) / y_{10}]$$

$$b_{1,10} = b_{20} [z_{10} / y_{10}]$$

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

$$x_c = 0.110, B_c = 1.000$$

$$C_{AB1,10} = [A_{1,10}^2 + B_{1,10}^2]^{1/2}$$

6 Ostwald colours (o)

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

chromatic value diagram ( $A_{1,10}, B_{1,10}$ )

Illumin. P40,  $Y_{W,10} = 100, Y_{N,10} = 0$

| Name  | Range   | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | $\lambda_d$ | $\lambda_c$ |
|-------|---------|------------|------------|------------|------------|------------|-------------|-------------|
| $R_d$ | 569_775 | 71.44      | 43.5       | 0.12       | 0.6208     | 0.378      | 597         | 487         |
| $Y_d$ | 492_775 | 91.3       | 93.44      | 3.86       | 0.484      | 0.4954     | 572         | 465         |
| $G_d$ | 492_569 | 20.05      | 50.14      | 3.86       | 0.2708     | 0.677      | 535         | 535c        |
| $C_d$ | 380_569 | 30.5       | 56.69      | 64.44      | 0.2011     | 0.3738     | 487         | 597         |
| $B_d$ | 380_492 | 10.65      | 6.75       | 60.71      | 0.1363     | 0.0864     | 465         | 572         |
| $M_d$ | 569_492 | 81.89      | 50.05      | 60.71      | 0.425      | 0.2598     | 535c        | 535         |
| $W_d$ | 380_775 | 101.75     | 100.0      | 64.44      | 0.3822     | 0.3756     | 100%        |             |
| $N_d$ | 380_775 | 0.1        | 0.1        | 0.06       | 0.382      | 0.3755     | 0%          |             |
| $Z_d$ | 380_775 | 18.31      | 18.0       | 11.6       | 0.3822     | 0.3756     | 18%         |             |

