

$$XYZ_{W,10}=99.8, 100.0, 75.8$$

$$A_{1,10} = 2,5 (a_{1,10} - a_{1,n,10}) Y_{10}$$

$$B_{1,10} = 2,5 B_c (b_{1,10} - b_{1,n,10}) Y_{10}$$

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

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

$$a_{20} = 1, b_{20} = -0,4$$

$$x_c = 0,110, B_c = 1,000$$

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

6 Ostwald colours (o)

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

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

Illumin. P45,  $Y_{W,10}=100, Y_{N,10}=4$

| Name  | Range   | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | $\lambda_d$ | $\lambda_c$ |
|-------|---------|------------|------------|------------|------------|------------|-------------|-------------|
| $R_d$ | 567_775 | 68.89      | 43.82      | 3.1        | 0.5947     | 0.3783     | 597         | 485         |
| $Y_d$ | 490_775 | 87.82      | 92.45      | 6.47       | 0.4702     | 0.495      | 571         | 465         |
| $G_d$ | 490_567 | 23.02      | 52.73      | 6.47       | 0.2799     | 0.6412     | 536         | 536c        |
| $C_d$ | 380_567 | 35.0       | 60.27      | 75.81      | 0.2046     | 0.3522     | 485         | 597         |
| $B_d$ | 380_490 | 16.07      | 11.64      | 72.43      | 0.1605     | 0.1162     | 465         | 571         |
| $M_d$ | 567_490 | 80.87      | 51.37      | 72.43      | 0.3951     | 0.2509     | 536c        | 536         |
| $W_d$ | 380_775 | 99.8       | 100.0      | 75.8       | 0.3621     | 0.3628     | 100%        |             |
| $N_d$ | 380_775 | 3.99       | 4.0        | 3.03       | 0.3621     | 0.3628     | 4%          |             |
| $Z_d$ | 380_775 | 17.96      | 18.0       | 13.64      | 0.3621     | 0.3628     | 18%         |             |

