

$XYZ_w = 100.0, 100.0, 100.0$

$A_1 = 2.5 (a_1 - a_{1,n}) Y$

$B_1 = 2.5 B_c (b_1 - b_{1,n}) Y$

$a_1 = a_{20} [ (x - x_c) / y ]$

$b_1 = b_{20} [ z / y ]$

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

$x_c = 0.110, B_c = 1.000$

$C_{AB1} = [A_1^2 + B_1^2]^{1/2}$

6 Ostwald colours (o)

of maximum (m)  $C_{AB}$  in  
chromatic value diagram ( $A_1, B_1$ )

Illumin. E00,  $Y_w = 100, Y_N = 50$

| Name   | Range   | $X_d$ | $Y_d$ | $Z_d$  | $x_d$  | $y_d$  | $\lambda_d$ | $\lambda_c$ |
|--------|---------|-------|-------|--------|--------|--------|-------------|-------------|
| $R_d$  | 570_775 | 82.79 | 70.26 | 50.12  | 0.4074 | 0.3458 | 598         | 489         |
| $Y_d$  | 494_775 | 91.73 | 97.45 | 53.1   | 0.3786 | 0.4022 | 573         | 463         |
| $G2_d$ | 471_575 | 61.62 | 81.1  | 58.95  | 0.3055 | 0.4021 | 528         | 528c        |
| $C_d$  | 380_570 | 67.35 | 79.88 | 100.02 | 0.2724 | 0.323  | 489         | 598         |
| $B_d$  | 380_494 | 58.41 | 52.69 | 97.05  | 0.2806 | 0.2531 | 463         | 573         |
| $M2_d$ | 575_471 | 88.52 | 69.04 | 91.19  | 0.3558 | 0.2775 | 528c        | 528         |
| $W_d$  | 380_775 | 100.0 | 100.0 | 100.0  | 0.3333 | 0.3333 | 100%        |             |
| $N_d$  | 380_775 | 50.0  | 50.0  | 50.0   | 0.3333 | 0.3333 | 50%         |             |
| $Z_d$  | 380_775 | 18.0  | 18.0  | 18.0   | 0.3333 | 0.3333 | 18%         |             |

