

$XYZ_{W,10}=104.71, 99.99, 52.16$

$A_{10} = 2,5 (a_{10} - a_{n10}) Y_{10}$

$B_{10} = 2,5 B_c (b_{10} - b_{n10}) Y_{10}$

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

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

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

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

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

6 Ostwald colours (o)

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

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

Illumin. P35,  $Y_{W,10}=100, Y_{N,10}=25$

| Name  | Range   | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | $\lambda_d$ | $\lambda_c$ |
|-------|---------|------------|------------|------------|------------|------------|-------------|-------------|
| $R_d$ | 571_775 | 80.52      | 56.16      | 13.09      | 0.5376     | 0.3749     | 601         | 489         |
| $Y_d$ | 494_775 | 98.5       | 95.7       | 15.56      | 0.4696     | 0.4562     | 574         | 466         |
| $G_d$ | 494_571 | 44.25      | 64.63      | 15.56      | 0.3556     | 0.5193     | 540         | 540c        |
| $C_d$ | 380_571 | 50.49      | 68.96      | 52.17      | 0.2942     | 0.4018     | 489         | 601         |
| $B_d$ | 380_494 | 32.51      | 29.42      | 49.7       | 0.2912     | 0.2635     | 466         | 574         |
| $M_d$ | 571_494 | 86.76      | 60.48      | 49.7       | 0.4406     | 0.3071     | 540c        | 540         |
| $W_d$ | 380_775 | 104.71     | 99.99      | 52.16      | 0.4076     | 0.3892     | 100%        |             |
| $N_d$ | 380_775 | 26.17      | 24.99      | 13.04      | 0.4076     | 0.3892     | 25%         |             |
| $Z_d$ | 380_775 | 18.84      | 17.99      | 9.38       | 0.4076     | 0.3892     | 18%         |             |

Parameter:

$Y_{10}$  & Name

Illuminant P35

$Y_{W,10}=100, Y_{N,10}=25$

