

$XYZ_{W,10}=102.37, 99.99, 81.25$

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

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

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

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

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

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

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

6 Ostwald colours (o)

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

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

Illumin. P00,  $Y_{W,10}=100, Y_{N,10}=25$

| Name  | Range   | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | $\lambda_d$ | $\lambda_c$ |
|-------|---------|------------|------------|------------|------------|------------|-------------|-------------|
| $R_d$ | 567_775 | 78.08      | 57.18      | 20.39      | 0.5016     | 0.3673     | 597         | 484         |
| $Y_d$ | 489_775 | 92.27      | 94.96      | 24.2       | 0.4364     | 0.4491     | 571         | 461         |
| $G_d$ | 489_567 | 39.88      | 62.88      | 24.2       | 0.3141     | 0.4952     | 533         | 533c        |
| $C_d$ | 380_567 | 50.01      | 67.94      | 81.27      | 0.251      | 0.341      | 484         | 597         |
| $B_d$ | 380_489 | 35.81      | 30.16      | 77.46      | 0.2497     | 0.2102     | 461         | 571         |
| $M_d$ | 567_489 | 88.21      | 62.24      | 77.46      | 0.387      | 0.273      | 533c        | 533         |
| $W_d$ | 380_775 | 102.37     | 99.99      | 81.25      | 0.3609     | 0.3525     | 100%        |             |
| $N_d$ | 380_775 | 25.59      | 24.99      | 20.31      | 0.3609     | 0.3525     | 25%         |             |
| $Z_d$ | 380_775 | 18.42      | 18.0       | 14.62      | 0.3609     | 0.3525     | 18%         |             |

Parameter:

$Y_{10}$  & Name

Illuminant P00

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

