

$XYZ_{W,10} = 109.29, 99.99, 39.19$

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

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

$$a_{2,10} = a_{20} [(x_{10} - x_c) / y_{10}]$$

$$b_{2,10} = b_{20} [z_{10} / y_{10}]$$

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

$$x_c = 0,110, B_c = 2,500$$

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

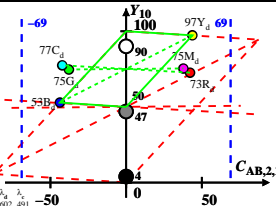
6 Ostwald colours (o)

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

linear colour space ( $C_{AB,2,10}, Y_{10}$ )

Illumin. P30,  $Y_{W,10} = 100, Y_{N,10} = 50$

| Name  | Range   | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | $\lambda_d$ | $\lambda_c$ |
|-------|---------|------------|------------|------------|------------|------------|-------------|-------------|
| $R_d$ | 574_775 | 94.46      | 72.65      | 19.63      | 0.5058     | 0.389      | 602         | 491         |
| $Y_d$ | 497_775 | 106.2997   | 28         | 20.72      | 0.4739     | 0.4337     | 577         | 469         |
| $G_d$ | 497_574 | 66.58      | 74.73      | 20.72      | 0.4109     | 0.4611     | 542         | 542c        |
| $C_d$ | 380_574 | 69.63      | 77.49      | 39.21      | 0.3736     | 0.4158     | 491         | 602         |
| $B_d$ | 380_497 | 57.8       | 52.86      | 38.13      | 0.3884     | 0.3552     | 469         | 577         |
| $M_d$ | 574_497 | 97.51      | 75.41      | 38.13      | 0.462      | 0.3573     | 542c        | 542         |
| $W_d$ | 380_775 | 109.2999   | 99         | 39.19      | 0.4398     | 0.4024     | 100%        |             |
| $N_d$ | 380_775 | 54.64      | 49.99      | 19.59      | 0.4398     | 0.4024     | 50%         |             |
| $Z_d$ | 380_775 | 19.67      | 17.99      | 7.05       | 0.4398     | 0.4024     | 18%         |             |



Parameter:

$Y_{10}$  & Name

Illuminant P30

$Y_{W,10} = 100, Y_{N,10} = 50$