

$$XYZ_{W,10} = 116.54, 99.99, 26.13$$

$$A_{1,10} = 2.5 (a_{1,10} - a_{1,n,10}) Y_{10}$$

$$B_{1,10} = 2.5 B_c (b_{1,10} - b_{1,n,10}) Y_{10}$$

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

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

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

$$x_c = 0.110, B_c = 1.000$$

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

6 Ostwald colours (o)

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

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

Illumin. P25, $Y_{W,10} = 100, Y_{N,10} = 10$

Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	578_775	89.16	52.06	2.63	0.6197	0.3619	605	495
Y_d	500_775	113.02	95.19	3.75	0.5332	0.449	580	473
G_d	500_578	35.63	53.22	3.75	0.3847	0.5747	547	547c
C_d	380_578	39.16	58.04	26.14	0.3175	0.4705	495	605
B_d	380_500	15.3	14.91	25.03	0.2769	0.2699	473	580
M_d	578_500	92.69	56.88	25.03	0.5308	0.3257	547c	547
W_d	380_775	116.54	99.99	26.13	0.4802	0.412	100%	
N_d	380_775	11.65	9.99	2.61	0.4802	0.412	10%	
Z_d	380_775	20.97	17.99	4.7	0.4802	0.412	18%	

