

$$XYZ_{W,10} = 99.8, 100.0, 75.8$$

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

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

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

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

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

$$x_c = 0.110, B_c = 1.000$$

$$C_{AB1,10} = [A_{1,10}^2 + B_{1,10}^2]^{1/2}$$

6 Ostwald colours (o)

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

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

Illumin. P45, $Y_{W,10} = 100, Y_{N,10} = 25$

Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	567_775	75.67	56.13	19.02	0.5016	0.3721	597	485
Y_d	490_775	90.46	94.12	21.66	0.4386	0.4563	571	465
G_d	490_567	39.83	63.09	21.66	0.3197	0.5063	536	536c
C_d	380_567	49.2	68.98	75.82	0.2536	0.3555	485	597
B_d	380_490	34.41	30.99	73.19	0.2482	0.2236	465	571
M_d	567_490	85.03	62.03	73.19	0.386	0.2816	536c	536
W_d	380_775	99.8	100.0	75.8	0.3621	0.3628	100%	
N_d	380_775	24.95	25.0	18.95	0.3621	0.3628	25%	
Z_d	380_775	17.96	18.0	13.64	0.3621	0.3628	18%	

100 $B_{1,10}$

Parameter:
 Y_{10} & Name
 Illuminant P45
 $Y_{W,10} = 100, Y_{N,10} = 25$

