

$$XYZ_{W,10} = 97.65, 100.0, 95.55$$

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

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

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

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

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

$$x_c = 0.110, B_c = 1.000$$

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

6 Ostwald colours (o)

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

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

Illumin. P55, $Y_{W,10} = 100, Y_{N,10} = 50$

Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	564_775	81.34	71.15	47.87	0.4059	0.3551	593	483
Y_d	488_775	89.74	96.31	50.96	0.3786	0.4063	568	460
G_d	488_564	57.32	75.26	50.96	0.3122	0.41	529	529c
C_d	380_564	65.28	78.99	95.6	0.2721	0.3293	483	593
B_d	380_488	56.89	53.83	92.5	0.2799	0.2648	460	568
M_d	564_488	89.3	74.88	92.5	0.3479	0.2917	529c	529
W_d	380_775	97.65	100.0	95.55	0.333	0.341	100%	
N_d	380_775	48.82	50.0	47.77	0.333	0.341	50%	
Z_d	380_775	17.57	18.0	17.19	0.333	0.341	18%	

100 $B_{1,10}$

Parameter:
 Y_{10} & Name
 Illuminant P55
 $Y_{W,10} = 100, Y_{N,10} = 50$

