

$$XYZ_{W,10} = 111.15, 99.99, 35.19$$

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

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

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

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

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

$$x_c = 0.110, B_c = 1.000$$

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

6 Ostwald colours (o)

of maximum (m) $C_{AB,10}$ in
chromatic value diagram ($A_{1,10}, B_{1,10}$)

Illumin. A00, $Y_{W,10} = 100, Y_{N,10} = 50$

Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	575_775	94.04	70.71	17.63	0.5156	0.3877	606	493
Y_d	498_775	108.4997	58	18.73	0.4825	0.434	577	469
G_d	498_575	70.13	76.97	18.73	0.4229	0.4641	546	546c
C_d	380_575	72.84	79.43	35.21	0.3885	0.4236	493	606
B_d	380_498	58.39	52.56	34.11	0.4025	0.3623	469	577
M_d	575_498	96.75	73.17	34.11	0.4741	0.3586	546c	546
W_d	380_775	111.1599	99	35.19	0.4511	0.4059	100%	
N_d	380_775	55.57	49.99	17.59	0.4511	0.4059	50%	
Z_d	380_775	20.0	18.0	6.33	0.4511	0.4059	18%	

Parameter:
 Y_{10} & Name
Illuminant A00
 $Y_{W,10} = 100, Y_{N,10} = 50$

