

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

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

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

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

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

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

$$x_c = 0.110, B_c = 1.000$$

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

6 Ostwald colours (o)

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

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

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

Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	575_775	80.27	47.2	3.55	0.6126	0.3602	606	493
Y_d	498_775	106.28	95.57	5.53	0.5124	0.4608	577	469
G_d	498_575	37.23	58.46	5.53	0.3677	0.5775	546	546c
C_d	380_575	42.11	62.9	35.2	0.3003	0.4485	493	606
B_d	380_498	16.1	14.53	33.22	0.2522	0.2275	469	577
M_d	575_498	85.15	51.64	33.22	0.5008	0.3037	546c	546
W_d	380_775	111.15	99.99	35.19	0.4511	0.4059	100%	
N_d	380_775	11.11	9.99	3.51	0.4511	0.4059	10%	
Z_d	380_775	20.0	18.0	6.33	0.4511	0.4059	18%	

