

$$XYZ_{W,10} = 109.29, 99.99, 39.19$$

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

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

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

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

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

$$x_c = 0.110, B_c = 1.000$$

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

6 Ostwald colours (o)

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

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

Illumin. P30, $Y_{W,10} = 100, Y_{N,10} = 10$

Name	Range	$X_{d,10}$	$Y_{d,10}$	$Z_{d,10}$	$x_{d,10}$	$y_{d,10}$	λ_d	λ_c
R_d	574_775	82.51	50.69	3.95	0.6015	0.3695	602	491
Y_d	497_775	103.81	95.02	5.9	0.507	0.4641	577	469
G_d	497_574	32.33	54.43	5.9	0.3488	0.5873	542	542c
C_d	380_574	37.82	59.41	39.2	0.2772	0.4354	491	602
B_d	380_497	16.53	15.08	37.25	0.24	0.219	469	577
M_d	574_497	88.01	55.67	37.25	0.4864	0.3077	542c	542
W_d	380_775	109.29	99.99	39.19	0.4398	0.4024	100%	
N_d	380_775	10.92	9.99	3.91	0.4398	0.4024	10%	
Z_d	380_775	19.67	17.99	7.05	0.4398	0.4024	18%	

