

$$XYZ_{W,10} = 99.99, 99.99, 100.0$$

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

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

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

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

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

$$x_c = 0.110, B_c = 1.000$$

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

6 Ostwald colours (o)

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

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

Illumin. E00, $Y_{W,10} = 100, Y_{N,10} = 50$

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	83.13	71.23	50.1	0.4065	0.3484	594	482
Y_d	487_775	91.62	96.31	53.24	0.3799	0.3993	568	459
G_d	487_564	58.59	75.17	53.24	0.3133	0.402	530	530c
C_d	380_564	67.0	78.91	100.05	0.2724	0.3208	482	594
B_d	380_487	58.5	53.83	96.92	0.2795	0.2572	459	568
M_d	564_487	91.54	74.97	96.92	0.3474	0.2845	530c	530
W_d	380_775	99.99	99.99	100.0	0.3333	0.3333	100%	
N_d	380_775	49.99	49.99	50.0	0.3333	0.3333	50%	
Z_d	380_775	17.99	17.99	18.0	0.3333	0.3333	18%	

Parameter:

Y_{10} & Name

Illuminant E00

$Y_{W,10} = 100, Y_{N,10} = 50$

