

$\Delta Y / \Delta Y_u$

HAULAB tristimulus value difference

 $\Delta Y / \Delta Y_u$ ΔY normalized to ΔY_u

6

$$L^* = s(Y/Y_n)^n - d \quad (Y_n=100, Y_u=22, s=134,6, n=0,31, d=34,6) \quad [1a]$$

$$L^* = r(Y/Y_u)^n - d \quad (r = s(Y_u/Y_n)^n = 79,10, L^*_u = r - d = 44,4) \quad [1b]$$

$$dY = [Y_n / (n s)] (Y / Y_n)^{1-n} \quad [2c]$$

$$dY_u = [Y_n / (n s)] (Y_u / Y_n)^{1-n} = 1,4083 \quad [2d]$$

$$dY / dY_u = (Y / Y_u)^{1-n} \quad [2e]$$

4

2

0

$$m_{u90} = 0,022, f_{90} = 2, f_4 = 0$$

$$m_u = 1,548$$

0,1

1,0

10

 $Y_u = 18$ $Y_u = 22$

100

 $\log Y$

2,811

1,019

 $\phi = 120^\circ$
 $L_{aw} = 300 \text{ cd/m}^2$

 application
 range