

$\Delta Y / \Delta Y_u$ $\Delta Y / \Delta Y_u$

HAULAB tristimulus value difference
 ΔY normalized to ΔY_u

6

$$L^* = s(Y/Y_n)^n - d \quad (Y_n=100, Y_u=37, s=134,6, n=0,31, d=49,5) [1a]$$

$$L^* = r(Y/Y_u)^n - d \quad (r = s(Y_u/Y_n)^n = 79,10, L^*_u = r-d = 29,5) \quad [1b]$$

4

Y_curve, ij=1, $Y_{uij}=37$, $L^*_{uij}=50$

2

$$k=99, Y_{kij}=100, L^*_{kij}=85,0, \Delta Y / \Delta Y_u = 1,95$$

$$k=37, Y_{kij}=38, L^*_{kij}=50,2, \Delta Y / \Delta Y_u = 1,00$$

$$k=1, Y_{kij}=2, L^*_{kij}=-9,4, \Delta Y / \Delta Y_u = 0,13$$

$$k=0, Y_{kij}=1, L^*_{kij}=-17,2, \Delta Y / \Delta Y_u = 0,08$$

0

-2

-1

0

1

2

 Y $\log Y$

$$m_{u90_4} = 0,022, f_{90}=2, f_4=0$$

$$m_u = 1,583$$

0,1

1,081

10

100

 $Y_u=18$ $Y_u=37$

$$\bullet 1,958 \text{ at } L_{aw} = 1000 \text{ cd/m}^2$$

1,022 application range