

$\log (L^*_{85,2}/L^*_{85,2,u})$ LABJND lightness

$L^*_{85,2}$ normalized to the background lightness $L^*_{85,2,u}$

$L^*/L^*_{85,2,u}$

2
100

$$L^*/L^*_u = (t/a) \{ \ln (1 + a \cdot Y) - \ln (1 + a \cdot Y_u) \} \quad [1b]$$

$$L^*/L^*_u = (t/a) \{ \ln [1 + b \cdot (Y/Y_u)] - \ln (1 + b) \} \quad [2b]$$

$$a=0,3411 \quad t=88,23 \quad t/a=258,6 \quad b=6,141 \quad [3b]$$

1
10

0

$$\log[(L^*_{85,2,u}/L^*_{85,2,u})]=0, m_u=0,43$$

$$L^*_{85,2,u}=508, Y_u=18$$

application range

$Y_u=18$ 100 Y

-1

-2

0,1

0,149

10

1

2

$\log Y$

1,810