

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

LABJND lightness

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

3

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

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

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

2

1,810

1

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

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

application range

0

0,149

10

 $Y_u=18 \quad 100 \quad Y$ 

-2

-1

0

1

2

log Y