

L^*/L_u^* LABJNDu1 relative standard lightness L^*/L_u^*

$$Y_{nc} = L^*_w \mathbf{R} \mathbf{G} \mathbf{B}_{nc} = 100, \mathbf{52}, \mathbf{87}, \mathbf{31}$$

L^*/L_u^*

3

$$L^*_{LABJNDu1} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$L^*_{LABJNDu1} = \ln(A_{1n} + A_{2n}x) / (A_{2n}A_{0n}) \quad (x = Y/Y_u)$$

$$L^*_N(3,6) = 146, L^*_u(18) = 332, L^*_w(90) = 517$$

2

$$L^*/L_u^* = 1, m_u = 0,79$$

$$L^*_u = 49, L^*_u = 332$$

application
range

0,1

1

10

100 Y

-1

-1

0

$x_N = 0,2$

1

$x_W = 5$

2

$\log(Y)$