

$\log(l^*/l_u^*)$

LABJNDu0 relative standard lightness l^*/l_u^*

$Y_{nc}=Y_{wRGBnc}=100, 21, 72, 7$

l^*/l_u^*

2 100

$l_{LABJNDu0}^* = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$

$l_{LABJNDu0}^* = \ln(A_{1n} + A_{2n}x) / (A_{2n}A_{0n}) \quad (x = Y/Y_u)$

$l_N^*(3,6)=329, l_u^*(18)=748, l_w^*(90)=1164$

1 10

$l_{90}^*/l_u^*=1,55, A_{0n}=0,6666, A_{2u}=0,1044, c_X=1,00$

$l_{18}^*/l_u^*=1,00, A_{1n}=0,017, A_{2n}=0,0058$

$l_{3,6}^*/l_u^*=0,43, l_u^*=747,51, Y_u=18$

0 1 $\log[l^*/l_u^*]=0, m_u=0,33$

$L_u^*=49, l_u^*=748$

application
range

0,1

1

10

100

Y

-1

0

1

2

$\log(Y)$