

l^* LABJNDu1 standard lightness l^* $Y_{nc}=Y_{wRGBnc}=100, 21, 72, 7$ l^*

600

 $l^*_{LABJNDu1} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$ $l^*_{LABJNDu1} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$ $l^*_{N(3,6)} = 146, l^*_u(18) = 332, l^*_w(90) = 517$

400

 $l^*_u = 332, 22, m_u = 264, 66$ $L^*_u = 49, l^*_u = 332$

200

 $l^*_{90} = 517, 21, A_{0n} = 1, 5, A_{2n} = 0, 1044, c_x = 1, 00$ $l^*_{18} = 332, 22, A_{1n} = 0, 017, A_{2n} = 0, 0058$ $l^*_{3,6} = 146, 11, l^*_u = 332, 22, Y_u = 18$ application
range

0,1

1

10

100

 Y

-2

-1

0

 $x_N = 0, 2$

1

 $x_W = 5$

2

 $\log(Y)$