

L^*/L_u^* LABJNDu3 relative Normhelligkeit L^*/L_u^* $Y_{nc} = L^*_w \text{RGB}_{nc} = 100, 52, 87, 31$ L^*/L_u^*

2 100

 $L^*_{\text{LABJNDu3}} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$ $L^*_{\text{LABJNDu3}} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$ $L^*_N(3,6) = 218, L^*_u(18) = 496, L^*_w(90) = 772$

1 10

 $L^*_{90}/L^*_u = 1,55, A_{0n} = 1,5, A_{2u} = 0,0699, c_x = 0,67$ $L^*_{18}/L^*_u = 1,00, A_{1n} = 0,011, A_{2n} = 0,0038$ $L^*_{3,6}/L^*_u = 0,43, L^*_u = 495,86, Y_u = 18$ 0 1 $\log[L^*/L_u^*] = 0, m_u = 0,33$ $L^*_u = 49, L^*_u = 496$

Anwendungsbereich

0,1

1

10

100 Y

-1

-1

0

1

2

 $\log(Y)$ $x_u = 1$ $x_N = 0,2$ $x_W = 5$