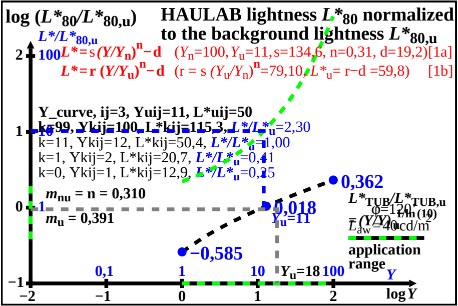

log ($L^*_{80}/L^*_{80,u}$)
HAULAB lightness L^*_{80} normalized
to the background lightness $L^*_{80,u}$
$L^*/L^*_{80,u}$
$L^* = s\,(Y/Y_n)^n - d$ (Y_n=100, Y_u=11, s=134,6, n=0,31, d=19,2)[1a]
$L^* = r\,(Y/Y_u)^n - d$ (r = s $(Y_u/Y_n)^n$=79,10, L^*_u= r−d =59,8) [1b]
Y_curve, ij=3, Yuij=11, L*uij=50
k=99, Ykij=100, L*kij=115,3, L^*/L^*_u=2,30
k=11, Ykij=12, L*kij=50,4, L^*/L^*_u=1,00
k=1, Ykij=2, L*kij=20,7, L^*/L^*_u=0,41
k=0, Ykij=1, L*kij=12,9, L^*/L^*_u=0,25
m_{nu} = n = 0,310
m_u = 0,391
0,362
0,018
−0,585
Y_u=11
Y_u=18
$L^*_{TUB}/L^*_{TUB,u}$
= $(Y/Y_u)^{1/ln(10)}$
φ=120°
L_{aw}=40 cd/m²
application range
100
10
1
2
1
0
−1
0,1
1
10
100
Y
−2
−1
0
1
2
log Y

heo70−4a