

$(Y/\Delta Y) / (Y/\Delta Y)_u$

HAULAB-Y-Kontrast  
normiert für  $(Y/\Delta Y)_u$

$C_r/C_{ru} = (Y/\Delta Y) / (Y/\Delta Y)_u$

$L^* = s(Y/Y_n)^n - d$  ( $Y_n=100, Y_u=13, s=180,1, n=0,31, d=3,064$ ) [a]

$L^* = r(Y/Y_u)^n - d$  ( $r = s(Y_u/Y_n)^n = 105,88, L^*_u = r - d = 59,0$ ) [1b]

$Y\_curve, ij=38, Y_{uij}=13, L^*_{uij}=50$

$k=99, Y_{kij}=400, L^*_{kij}=188,4, (Y/\Delta Y) / (Y/\Delta Y)_u = 1,86$

$k=13, Y_{kij}=314, L^*_{kij}=173,4, (Y/\Delta Y) / (Y/\Delta Y)_u = 1,860$

$k=1, Y_{kij}=302, L^*_{kij}=171,0, (Y/\Delta Y) / (Y/\Delta Y)_u = 0,55$

$k=0, Y_{kij}=301, L^*_{kij}=170,8, (Y/\Delta Y) / (Y/\Delta Y)_u = 0,44$

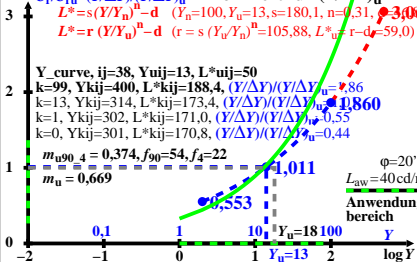
$m_{u90} = 0,374, f_{90}=54, f_4=22$

$m_u = 0,669$

$\phi=20'$

$L_{aw} = 40 \text{ cd/m}^2$

Anwendungsbereich



0,1

1

10

$Y_u=18$   $100$

$Y_u=13$

$\log Y$