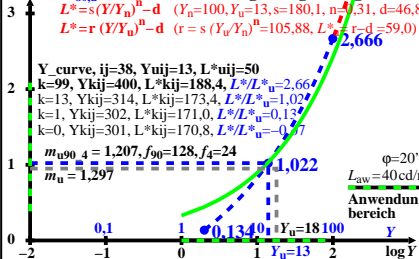


$L^*_{80}/L^*_{80,u}$
 $L^*/L^*_{80,u}$

HAULAB-Helligkeit L^*_{80} normiert
 für die Umgebungshelligkeit $L^*_{80,u}$

$L^* = s(Y/Y_u)^n - d$ ($Y_n=100, Y_u=13, s=180,1, n=0,31, d=46,8$) [1a]

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



$Y_{curve}, ij=38, Y_{uij}=13, L^*_{uij}=50$
 $k=99, Y_{kij}=400, L^*_{kij}=188,4, L^*/L^*_u=2,66$
 $k=13, Y_{kij}=314, L^*_{kij}=173,4, L^*/L^*_u=1,02$
 $k=1, Y_{kij}=302, L^*_{kij}=171,0, L^*/L^*_u=0,13$
 $k=0, Y_{kij}=301, L^*_{kij}=170,8, L^*/L^*_u=0,07$

$m_{u90} = 1,207, f_{90}=128, f_4=24$
 $m_u = 1,297$

$\phi=20'$
 $L_{aw} = 40 \text{ cd/m}^2$
 Anwendungsbereich