

$\log [(\Delta Y/Y) / (\Delta Y_u/Y_u)]$

CIE Y sensitivity
normalized to $\Delta Y_u/Y_u$

$S_r/S_{ru} = (\Delta Y/Y) / (\Delta Y_u/Y_u)$

$L^*_{85,2} = (t/a) \ln(1 + a \cdot Y)$ [1f]

$a = 0,3411 \quad t = 88,23 \quad t/a = 258,6$ [2f]

13,340 tristimulus value Y sensitivity

$(dY/Y) / (dY_u/Y_u)$
 $= [(1 + a \cdot Y) / Y] / [(1 + a \cdot Y_u) / Y_u]$ [3f]

$\log[(dY_u/Y_u) / (dY_u/Y_u)] = 0, m_u = -0,13$

$Y_u = 18, dY_u = 0,08, dY_u/Y_u = 0,004$

0,860

application range

$Y_N = 3,6 \quad Y_u = 18 \quad Y_W = 90$

