HAULAB tristimulus value difference
ΔY normalized to ΔL_u

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

$\Delta Y/\Delta Y_u$

$L^* = s (Y/Y_n)^n - d$ $(Y_n = 100, Y_u = 12, s = 163,9, n = 0,31, d = 36,8)$ [1a]

$L^* = r (Y/Y_n)^n - d$ $(r = s (Y_u/Y_n)^n = 96,32, L^*_u = r - d = 59,4)$ [1b]

$dY = [Y_n/(n s)] (Y/Y_n)^{1-n}$ [2c]

$dY_u = [Y_n/(n s)] (Y_u/Y_n)^{1-n} = 1,1565$ [2d]

$dY/dY_u = (Y/Y_u)^{1-n}$ [2e]

$\log(dY/dY_u) = (1-n) \log(Y/Y_u)$ [2f]

$m_{nu} = 1 - n = 0,690$

$m_u = 0,640$

$\varphi = 30'$

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

application range

hev90−8a