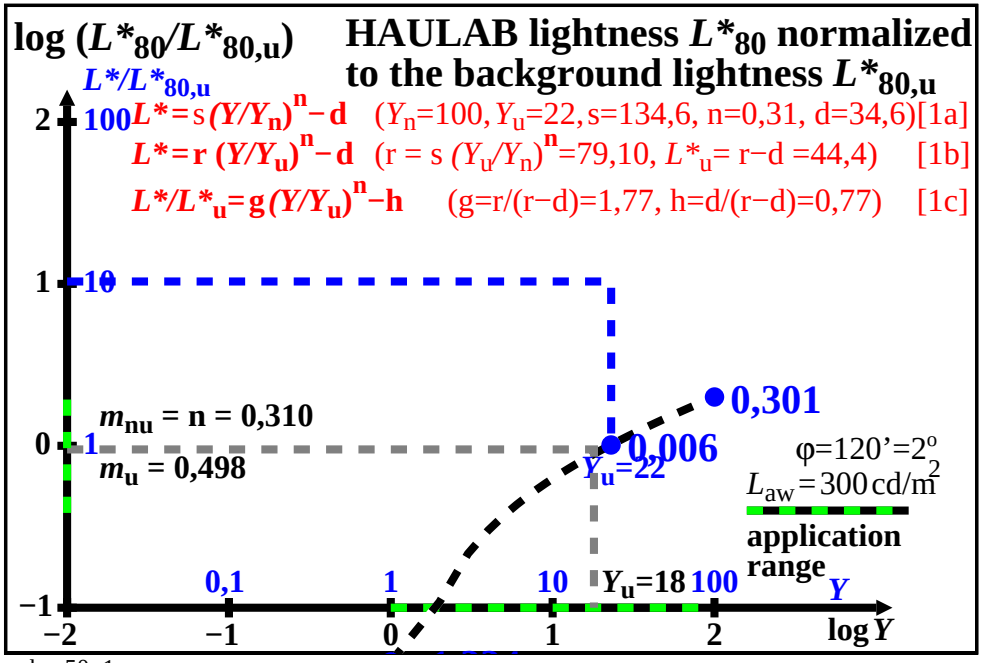
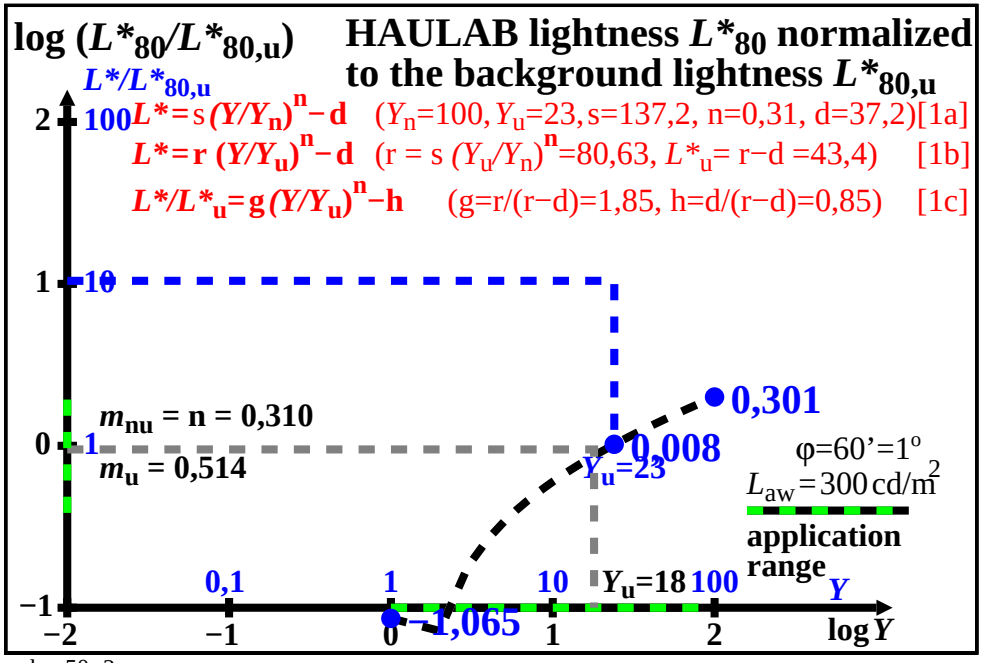
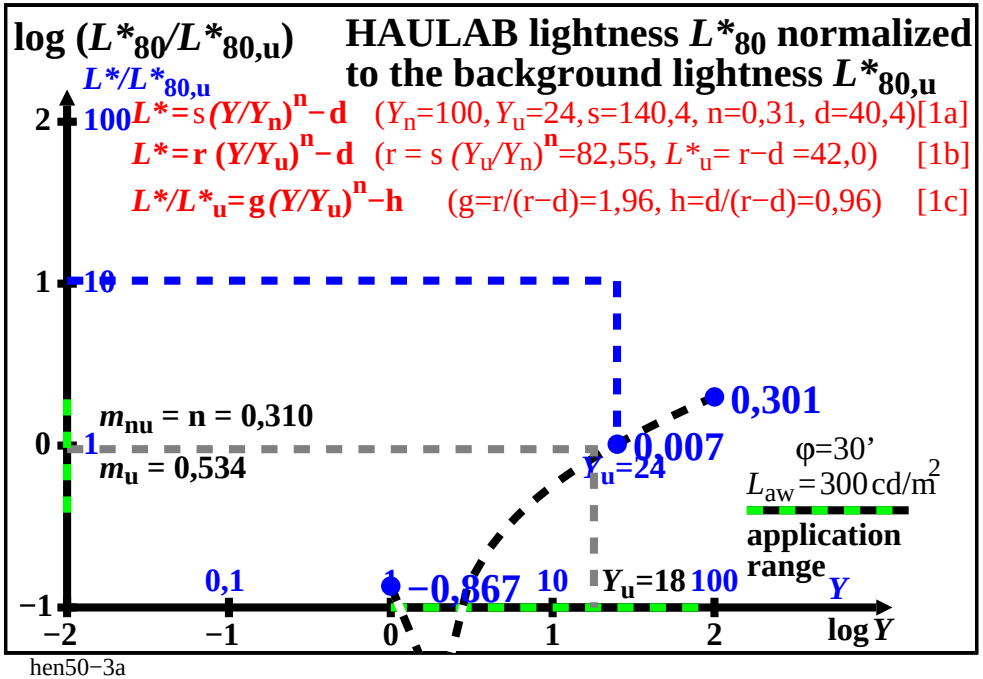
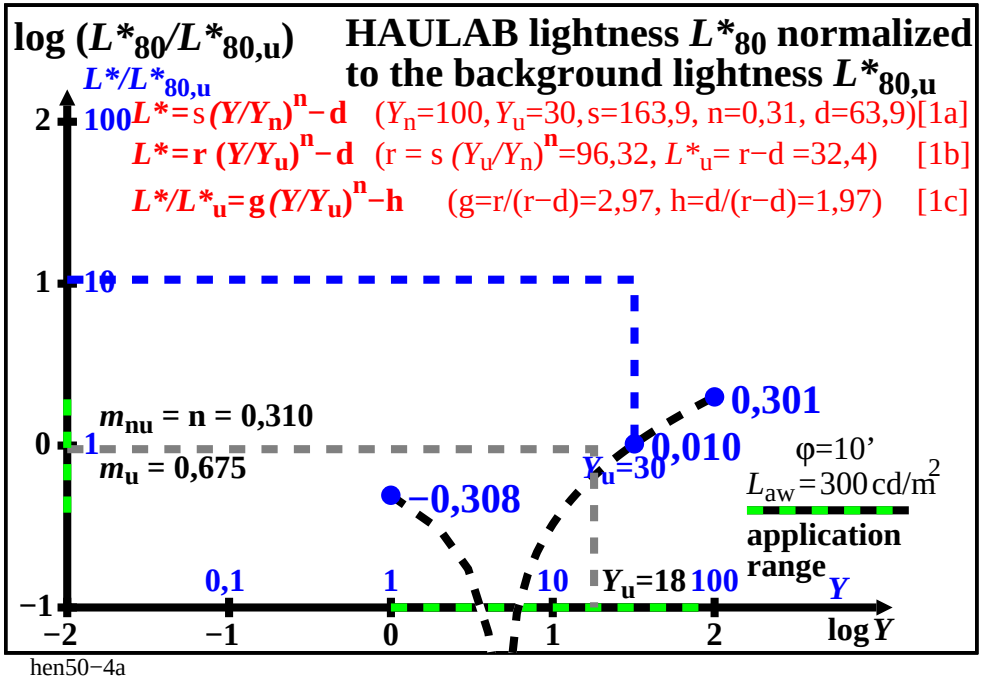

log (L*80/L*80,u)
HAULAB lightness L*80 normalized to the background lightness L*80,u
L*/L*80,u
100 L* = s (Y/Yn)^n − d (Yn=100, Yu=22, s=134,6, n=0,31, d=34,6)[1a]
L* = r (Y/Yu)^n − d (r = s (Yu/Yn)^n =79,10, L*u = r−d =44,4) [1b]
L*/L*u = g (Y/Yu)^n − h (g=r/(r−d)=1,77, h=d/(r−d)=0,77) [1c]
mnu = n = 0,310
mu = 0,498
0,301
0,006
Yu=22
φ=120'=2°
Law = 300 cd/m2
application range
Y
log Y
hen50−1a


log (L*80/L*80,u)
HAULAB lightness L*80 normalized to the background lightness L*80,u
L*/L*80,u
100 L* = s (Y/Yn)^n − d (Yn=100, Yu=23, s=137,2, n=0,31, d=37,2)[1a]
L* = r (Y/Yu)^n − d (r = s (Yu/Yn)^n =80,63, L*u = r−d =43,4) [1b]
L*/L*u = g (Y/Yu)^n − h (g=r/(r−d)=1,85, h=d/(r−d)=0,85) [1c]
mnu = n = 0,310
mu = 0,514
0,301
0,008
Yu=23
−1,065
φ=60'=1°
Law = 300 cd/m2
application range
Y
log Y
hen50−2a


log (L*80/L*80,u)
HAULAB lightness L*80 normalized to the background lightness L*80,u
L*/L*80,u
100 L* = s (Y/Yn)^n − d (Yn=100, Yu=24, s=140,4, n=0,31, d=40,4)[1a]
L* = r (Y/Yu)^n − d (r = s (Yu/Yn)^n =82,55, L*u = r−d =42,0) [1b]
L*/L*u = g (Y/Yu)^n − h (g=r/(r−d)=1,96, h=d/(r−d)=0,96) [1c]
mnu = n = 0,310
mu = 0,534
0,301
0,007
Yu=24
−0,867
φ=30'
Law = 300 cd/m2
application range
Y
log Y
hen50−3a


log (L*80/L*80,u)
HAULAB lightness L*80 normalized to the background lightness L*80,u
L*/L*80,u
100 L* = s (Y/Yn)^n − d (Yn=100, Yu=30, s=163,9, n=0,31, d=63,9)[1a]
L* = r (Y/Yu)^n − d (r = s (Yu/Yn)^n =96,32, L*u = r−d =32,4) [1b]
L*/L*u = g (Y/Yu)^n − h (g=r/(r−d)=2,97, h=d/(r−d)=1,97) [1c]
mnu = n = 0,310
mu = 0,675
0,301
0,010
Yu=30
−0,308
φ=10'
Law = 300 cd/m2
application range
Y
log Y
hen50−4a

hen50−3n