

$\log (L^*/L_u^*)$ CIELAB lightness
 relative normalized data
 adaptation time $t_p \geq 25s$

$L_u = L_g$
 $[cd/m^2]$

CIELAB

$m=1/3$

60

$m=0$

$Y_u = 18$

$L_u^* = 50$

$u = \log Y_u$

$x = \log Y$