application for measurement of printer or monitor systems

Row 1 (Adaptation: λ_R,G=475, λ_B=475)

$\log [P_a D_a T_a U_a N_a W_a]$ $\log P_a = \log P_o - 0.89$

$\log N_a = 0.5 [\log T_a + \log U_a]$ $\log D_a = \log D_o - 0.72$

$\log W_a = 0.5 [\log N_a + \log U_a]$ $\log T_a = \log T_o - 0.25$

Adaptation: λ_R,G=475 t_s=0.007   λ_B=475

WE880−1, Change of PDT (LMS) in volour vision; Adaptation

$\log[P_a D_a T_a U_a N_a W_a] - \log U_a$ $\log P_a = \log P_o - 0.89$

Threshold: t_s=0.007   Adaptation: λ_R,G=475   λ_B=475

WE880−2, Change of PDT (LMS) in volour vision; Adaptation

$\log[P_a D_a T_a U_a N_a W_a] - \log U_a$ $\log P_a = \log P_o - 0.89$

Threshold: t_s=0.007   Adaptation: λ_R,G=475   λ_B=475

WE881−1, Change of PDT (LMS) in volour vision; Adaptation

$\log[P_a D_a T_a U_a N_a W_a] - \log U_a$

$\log [U_a/U_a]$ $-\log [T_a/U_a]$

$| \log [P_a/U_a] |$ $-\log [D_a/U_a] |$

WE881−2, Change of PDT (LMS) in volour vision; Adaptation

Row 2 (Adaptation: λ_R,G=528, λ_B=528)

$\log [P_a D_a T_a U_a N_a W_a]$ $\log P_a = \log P_o + 0.14$

$\log N_a = 0.5 [\log T_a + \log U_a]$ $\log D_a = \log D_o - 0.08$

$\log W_a = 0.5 [\log N_a + \log U_a]$ $\log T_a = \log T_o + 0.93$

Adaptation: λ_R,G=528 t_s=0.007   λ_B=528

WE880−3, Change of PDT (LMS) in volour vision; Adaptation

WE880−4, Change of PDT (LMS) in volour vision; Adaptation

WE881−3, Change of PDT (LMS) in volour vision; Adaptation

$\log [U_a/U_a]$ $-\log [T_a/U_a]$

$| \log [P_a/U_a] |$ $-\log [D_a/U_a] |$

WE881−4, Change of PDT (LMS) in volour vision; Adaptation

Row 3 (Adaptation: λ_R,G=575, λ_B=575)

$\log [P_a D_a T_a U_a N_a W_a]$ $\log P_a = \log P_o - 0.05$

$\log N_a = 0.5 [\log T_a + \log U_a]$ $\log D_a = \log D_o + 0.12$

$\log W_a = 0.5 [\log N_a + \log U_a]$ $\log T_a = \log T_o - 0.25$

Adaptation: λ_R,G=575 t_s=0.007   λ_B=575

WE880−5, Change of PDT (LMS) in volour vision; Adaptation

WE880−6, Change of PDT (LMS) in volour vision; Adaptation

WE881−5, Change of PDT (LMS) in volour vision; Adaptation

$\log [U_a/U_a]$ $-\log [T_a/U_a]$

$| \log [P_a/U_a] |$ $-\log [D_a/U_a] |$

WE881−6, Change of PDT (LMS) in volour vision; Adaptation

Row 4 (Adaptation: λ_R,G=608, λ_B=608)

$\log[P_a D_a T_a U_a N_a W_a]$ $\log P_a = \log P_o - 0.19$

$\log N_a = 0.5 [\log T_a + \log U_a]$ $\log D_a = \log D_o + 0.25$

$\log W_a = 0.5 [\log N_a + \log U_a]$ $\log T_a = \log T_o - 1.08$

Adaptation: λ_R,G=608 t_s=0.007   λ_B=608

WE880−7, Change of PDT (LMS) in volour vision; Adaptation

WE880−8, Change of PDT (LMS) in volour vision; Adaptation

WE881−7, Change of PDT (LMS) in volour vision; Adaptation

$\log [U_a/U_a]$ $-\log [T_a/U_a]$

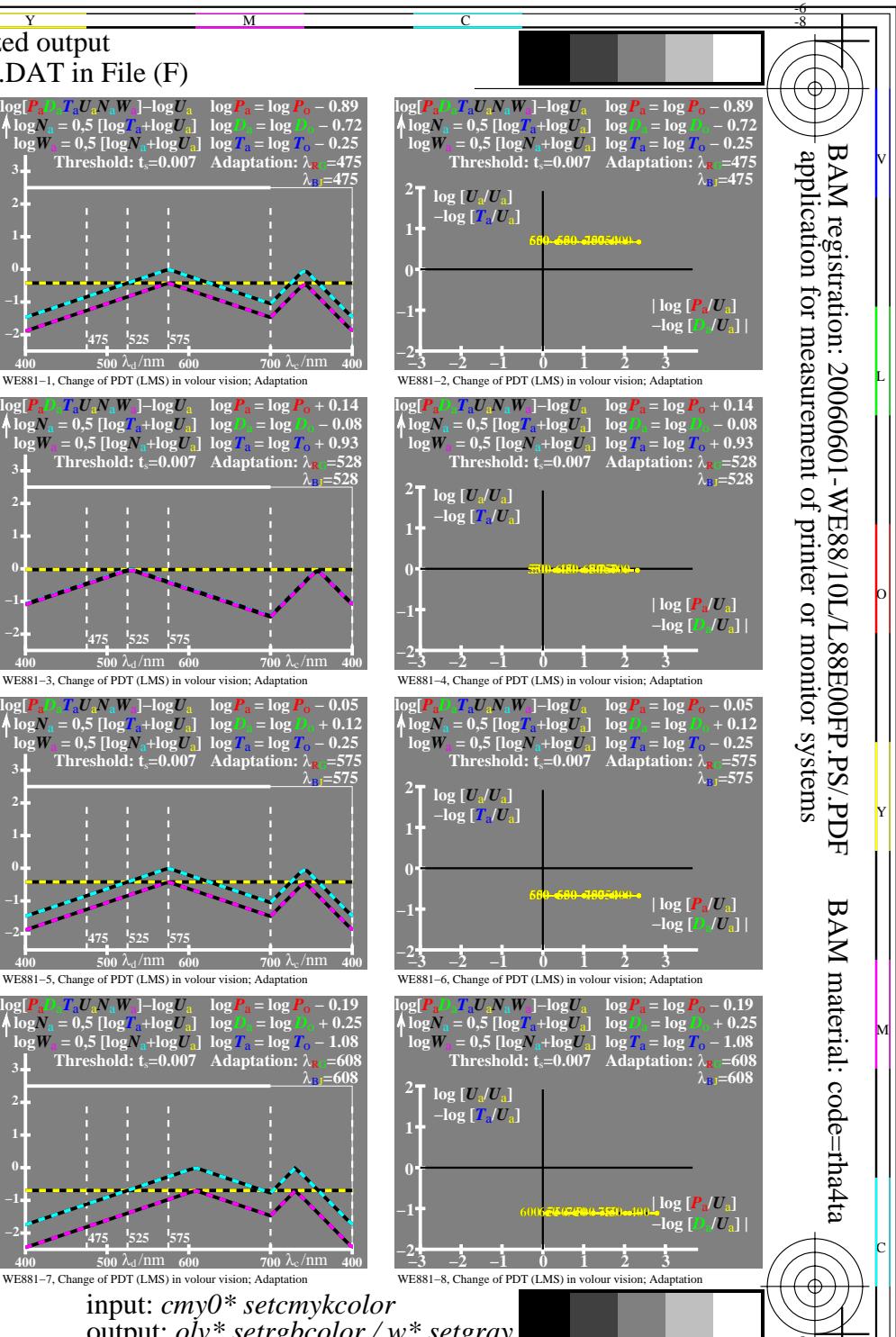$| \log [P_a/U_a] |$ $-\log [D_a/U_a] |$

WE881−8, Change of PDT (LMS) in volour vision; Adaptation

BAM-test chart no. WE88; colour vision and adaptation

Logarithmic cone sensitivity and ratios or differences

input: *cmy0* setcmykcolor

output: *olv* setrgbcolor / *w* setgray