see similar files: http://130.149.60.45/~farbmetrik/TN31/TN31.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-TN31/TN31L0NA.TXT /.PS
application for measurement of display output
TUB material: code=rha4ta

logarithmic M_a-data — $u_\lambda = (\lambda - 555) / 50$
$M_a = (L_o \cdot G_o)^{0,5}$ — $\log L_o = -0{,}35[u_\lambda - u_{520}]^2$
$\log M_a = (\log L_o + \log G_o)/2$ — $\log G_o = -0{,}35[u_\lambda - u_{570}]^2$
$\log [M_a, L_o, G_o]$ — Adaptation: λ_{LG}=545
520 545 570 — Threshold S_a=0,0
TN310−1N

logarithmic M_a-saturation — $u_\lambda = (\lambda - 555) / 50$
$M_a = (L_o \cdot G_o)^{0,5}$ — $\log L_o = -0{,}35[u_\lambda - u_{520}]^2$
$\log M_a = (\log L_o + \log G_o)/2$ — $\log G_o = -0{,}35[u_\lambda - u_{570}]^2$
$\log [L_o/M_a, G_o/M_a]$ — Adaptation: λ_{LG}=545
520 545 570 — Threshold S_a=0,0
TN310−2N

logarithmic M_a-data — $u_\lambda = (\lambda - 555) / 50$
$M_a = (L_o \cdot G_o)^{0,5}$ — $\log L_o = -0{,}35[u_\lambda - u_{520}]^2$
$\log M_a = (\log L_o + \log G_o)/2$ — $\log G_o = -0{,}35[u_\lambda - u_{570}]^2$
$\log [M_a, L_o, G_o]$ — Adaptation: λ_{LG}=545
520 545 570 — Threshold S_a=0,025 $\log S_a$=−1,6
TN311−1N

logarithmic M_a-saturation — $u_\lambda = (\lambda - 555) / 50$
$M_a = (L_o \cdot G_o)^{0,5}$ — $\log L_o = -0{,}35[u_\lambda - u_{520}]^2$
$\log M_a = (\log L_o + \log G_o)/2$ — $\log G_o = -0{,}35[u_\lambda - u_{570}]^2$
$\log [L_o/M_a, G_o/M_a]$ — Adaptation: λ_{LG}=545
520 545 570 — Threshold S_a=0,025 $\log S_a$=−1,6
TN311−2N

logarithmic G_a-data — $u_\lambda = (\lambda - 555) / 50$
$G_a = (M_o \cdot C_o)^{0,5}$ — $\log M_o = -0{,}35[u_\lambda - u_{495}]^2$
$\log G_a = (\log M_o + \log C_o)/2$ — $\log C_o = -0{,}35[u_\lambda - u_{545}]^2$
$\log [G_a, M_o, C_o]$ — Adaptation: λ_{MC}=520
495 520 545 — Threshold S_a=0,0
TN310−3N

logarithmic G_a-saturation — $u_\lambda = (\lambda - 555) / 50$
$G_a = (M_o \cdot C_o)^{0,5}$ — $\log M_o = -0{,}35[u_\lambda - u_{495}]^2$
$\log G_a = (\log M_o + \log C_o)/2$ — $\log C_o = -0{,}35[u_\lambda - u_{545}]^2$
$\log [M_o/G_a, C_o/G_a]$ — Adaptation: λ_{MC}=520
495 520 545 — Threshold S_a=0,0
TN310−4N

logarithmic G_a-data — $u_\lambda = (\lambda - 555) / 50$
$G_a = (M_o \cdot C_o)^{0,5}$ — $\log M_o = -0{,}35[u_\lambda - u_{495}]^2$
$\log G_a = (\log M_o + \log C_o)/2$ — $\log C_o = -0{,}35[u_\lambda - u_{545}]^2$
$\log [G_a, M_o, C_o]$ — Adaptation: λ_{MC}=520
495 520 545 — Threshold S_a=0,025 $\log S_a$=−1,6
TN311−3N

logarithmic G_a-saturation — $u_\lambda = (\lambda - 555) / 50$
$G_a = (M_o \cdot C_o)^{0,5}$ — $\log M_o = -0{,}35[u_\lambda - u_{495}]^2$
$\log G_a = (\log M_o + \log C_o)/2$ — $\log C_o = -0{,}35[u_\lambda - u_{545}]^2$
$\log [M_o/G_a, C_o/G_a]$ — Adaptation: λ_{MC}=520
495 520 545 — Threshold S_a=0,025 $\log S_a$=−1,6
TN311−4N

logarithmic C_a-data — $u_\lambda = (\lambda - 555) / 50$
$C_a = (G_o \cdot B_o)^{0,5}$ — $\log G_o = -0{,}35[u_\lambda - u_{470}]^2$
$\log C_a = (\log G_o + \log B_o)/2$ — $\log B_o = -0{,}35[u_\lambda - u_{520}]^2$
$\log [C_a, G_o, B_o]$ — Adaptation: λ_{GB}=495
470 495 520 — Threshold S_a=0,0
TN310−5N

logarithmic C_a-saturation — $u_\lambda = (\lambda - 555) / 50$
$C_a = (G_o \cdot B_o)^{0,5}$ — $\log G_o = -0{,}35[u_\lambda - u_{470}]^2$
$\log C_a = (\log G_o + \log B_o)/2$ — $\log B_o = -0{,}35[u_\lambda - u_{520}]^2$
$\log [G_o/C_a, B_o/C_a]$ — Adaptation: λ_{GB}=495
470 495 520 — Threshold S_a=0,0
TN310−6N

logarithmic C_a-data — $u_\lambda = (\lambda - 555) / 50$
$C_a = (G_o \cdot B_o)^{0,5}$ — $\log G_o = -0{,}35[u_\lambda - u_{470}]^2$
$\log C_a = (\log G_o + \log B_o)/2$ — $\log B_o = -0{,}35[u_\lambda - u_{520}]^2$
$\log [C_a, G_o, B_o]$ — Adaptation: λ_{GB}=495
470 495 520 — Threshold S_a=0,025 $\log S_a$=−1,6
TN311−5N

logarithmic C_a-saturation — $u_\lambda = (\lambda - 555) / 50$
$C_a = (G_o \cdot B_o)^{0,5}$ — $\log G_o = -0{,}35[u_\lambda - u_{470}]^2$
$\log C_a = (\log G_o + \log B_o)/2$ — $\log B_o = -0{,}35[u_\lambda - u_{520}]^2$
$\log [G_o/C_a, B_o/C_a]$ — Adaptation: λ_{GB}=495
470 495 520 — Threshold S_a=0,025 $\log S_a$=−1,6
TN311−6N

logarithmic B_a-data — $u_\lambda = (\lambda - 555) / 50$
$B_a = (C_o \cdot S_o)^{0,5}$ — $\log C_o = -0{,}35[u_\lambda - u_{445}]^2$
$\log B_a = (\log C_o + \log S_o)/2$ — $\log S_o = -0{,}35[u_\lambda - u_{495}]^2$
$\log [B_a, C_o, S_o]$ — Adaptation: λ_{CS}=470
445 470 495 — Threshold S_a=0,0
TN310−7N

logarithmic B_a-saturation — $u_\lambda = (\lambda - 555) / 50$
$B_a = (C_o \cdot S_o)^{0,5}$ — $\log C_o = -0{,}35[u_\lambda - u_{445}]^2$
$\log B_a = (\log C_o + \log S_o)/2$ — $\log S_o = -0{,}35[u_\lambda - u_{495}]^2$
$\log [C_o/B_a, S_o/B_a]$ — Adaptation: λ_{CS}=470
445 470 495 — Threshold S_a=0,0
TN310−8N

logarithmic B_a-data — $u_\lambda = (\lambda - 555) / 50$
$B_a = (C_o \cdot S_o)^{0,5}$ — $\log C_o = -0{,}35[u_\lambda - u_{445}]^2$
$\log B_a = (\log C_o + \log S_o)/2$ — $\log S_o = -0{,}35[u_\lambda - u_{495}]^2$
$\log [B_a, C_o, S_o]$ — Adaptation: λ_{CS}=470
445 470 495 — Threshold S_a=0,025 $\log S_a$=−1,6
TN311−7N

logarithmic B_a-saturation — $u_\lambda = (\lambda - 555) / 50$
$B_a = (C_o \cdot S_o)^{0,5}$ — $\log C_o = -0{,}35[u_\lambda - u_{445}]^2$
$\log B_a = (\log C_o + \log S_o)/2$ — $\log S_o = -0{,}35[u_\lambda - u_{495}]^2$
$\log [C_o/B_a, S_o/B_a]$ — Adaptation: λ_{CS}=470
445 470 495 — Threshold S_a=0,025 $\log S_a$=−1,6
TN311−8N

TUB-test chart TN31; colour vision and colorimetry
cone sensitivity and saturation for distance $\Delta\lambda$=50

input: *w/rgb/cmyk −> w/rgb/cmyk−*
output: no change compared