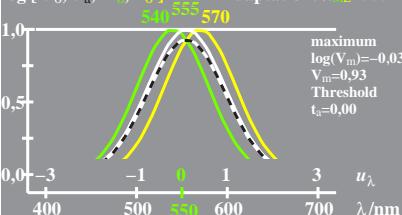


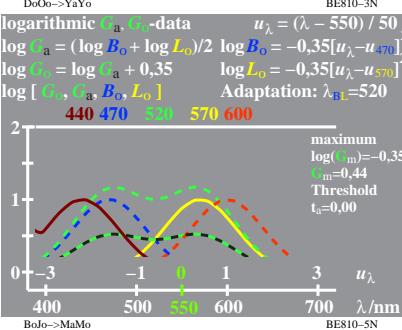
TUB registration: 20170701-BE81/BE81L0NP.PDF/.PS
application for measurement of display output

TUB material: code=rha4ta

logarithmic V_a , V_o -data $u_\lambda = (\lambda - 550) / 50$
 $\log V_a = (\log M_a + \log L_o)/2 \log M_a = -0,35[u_\lambda - u_{450}]^2$
 $\log V_o = \log V_a + 0,03$ $\log L_o = -0,35[u_\lambda - u_{570}]^2$
 $\log [V_a, V_o, M_a, L_o]$ Adaptation: $\lambda_{\text{ad}}=555$



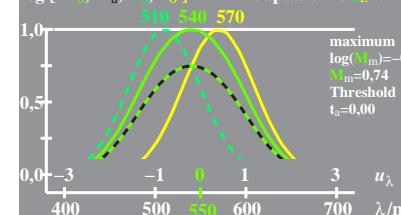
logarithmic L_a , L_o -data $u_\lambda = (\lambda - 550) / 50$
 $\log L_a = (\log M_a + \log O_o)/2 \log M_a = -0,35[u_\lambda - u_{450}]^2$
 $\log L_o = \log L_a + 0,12$ $\log O_o = -0,35[u_\lambda - u_{600}]^2$
 $\log [L_a, L_o, M_o, O_o]$ Adaptation: $\lambda_{\text{ad}}=570$



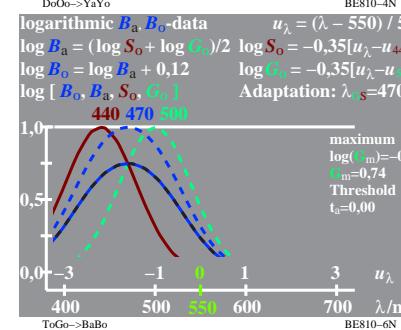
logarithmic B_a , B_o -data $u_\lambda = (\lambda - 550) / 50$
 $\log B_a = (\log S_o + \log G_o)/2 \log S_o = -0,35[u_\lambda - u_{440}]^2$
 $\log G_a = \log G_a + 0,35$ $\log L_o = -0,35[u_\lambda - u_{570}]^2$
 $\log [B_a, B_o, S_o, G_o]$ Adaptation: $\lambda_{\text{ad}}=520$



logarithmic M_a , M_o -data $u_\lambda = (\lambda - 550) / 50$
 $\log M_a = (\log G_o + \log L_o)/2 \log G_o = -0,35[u_\lambda - u_{450}]^2$
 $\log M_o = \log M_a + 0,12$ $\log L_o = -0,35[u_\lambda - u_{570}]^2$
 $\log [M_a, M_o, G_o, L_o]$ Adaptation: $\lambda_{\text{ad}}=540$



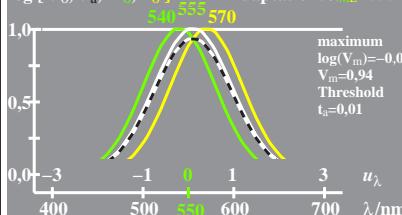
logarithmic L_a , L_o -data $u_\lambda = (\lambda - 550) / 50$
 $\log L_a = (\log M_a + \log O_o)/2 \log M_a = -0,35[u_\lambda - u_{450}]^2$
 $\log L_o = \log L_a + 0,12$ $\log O_o = -0,35[u_\lambda - u_{600}]^2$
 $\log [L_a, L_o, M_o, O_o]$ Adaptation: $\lambda_{\text{ad}}=570$



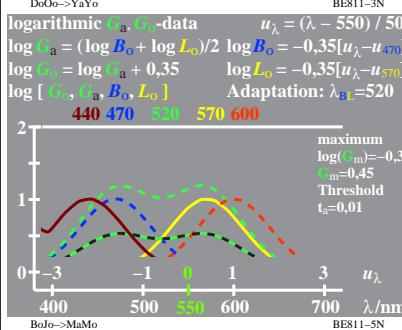
logarithmic G_a , G_o -data $u_\lambda = (\lambda - 550) / 50$
 $\log G_a = (\log B_o + \log L_o)/2 \log B_o = -0,35[u_\lambda - u_{470}]^2$
 $\log G_o = \log G_a + 0,35$ $\log L_o = -0,35[u_\lambda - u_{570}]^2$
 $\log [G_a, G_o, B_o, L_o]$ Adaptation: $\lambda_{\text{ad}}=520$



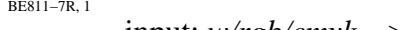
logarithmic V_a , V_o -data $u_\lambda = (\lambda - 550) / 50$
 $\log V_a = (\log M_a + \log L_o)/2 \log M_a = -0,35[u_\lambda - u_{450}]^2$
 $\log V_o = \log V_a + 0,03$ $\log L_o = -0,35[u_\lambda - u_{570}]^2$
 $\log [V_a, V_o, M_a, L_o]$ Adaptation: $\lambda_{\text{ad}}=555$



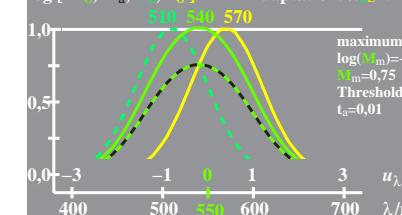
logarithmic L_a , L_o -data $u_\lambda = (\lambda - 550) / 50$
 $\log L_a = (\log M_a + \log O_o)/2 \log M_a = -0,35[u_\lambda - u_{450}]^2$
 $\log L_o = \log L_a + 0,12$ $\log O_o = -0,35[u_\lambda - u_{600}]^2$
 $\log [L_a, L_o, M_o, O_o]$ Adaptation: $\lambda_{\text{ad}}=570$



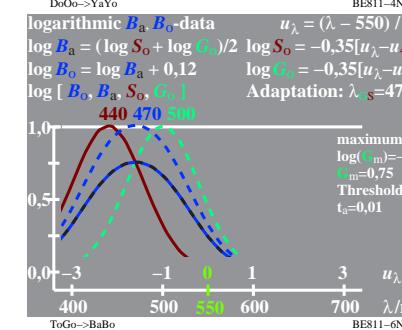
logarithmic B_a , B_o -data $u_\lambda = (\lambda - 550) / 50$
 $\log B_a = (\log S_o + \log G_o)/2 \log S_o = -0,35[u_\lambda - u_{440}]^2$
 $\log G_a = \log G_a + 0,35$ $\log L_o = -0,35[u_\lambda - u_{570}]^2$
 $\log [B_a, B_o, S_o, G_o]$ Adaptation: $\lambda_{\text{ad}}=470$



logarithmic M_a , M_o -data $u_\lambda = (\lambda - 550) / 50$
 $\log M_a = (\log G_o + \log L_o)/2 \log G_o = -0,35[u_\lambda - u_{450}]^2$
 $\log M_o = \log M_a + 0,12$ $\log L_o = -0,35[u_\lambda - u_{570}]^2$
 $\log [M_a, M_o, G_o, L_o]$ Adaptation: $\lambda_{\text{ad}}=540$



logarithmic L_a , L_o -data $u_\lambda = (\lambda - 550) / 50$
 $\log L_a = (\log M_a + \log O_o)/2 \log M_a = -0,35[u_\lambda - u_{450}]^2$
 $\log L_o = \log L_a + 0,12$ $\log O_o = -0,35[u_\lambda - u_{600}]^2$
 $\log [L_a, L_o, M_o, O_o]$ Adaptation: $\lambda_{\text{ad}}=570$



logarithmic G_a , G_o -data $u_\lambda = (\lambda - 550) / 50$
 $\log G_a = (\log B_o + \log L_o)/2 \log B_o = -0,35[u_\lambda - u_{470}]^2$
 $\log G_o = \log G_a + 0,35$ $\log L_o = -0,35[u_\lambda - u_{570}]^2$
 $\log [G_a, G_o, B_o, L_o]$ Adaptation: $\lambda_{\text{ad}}=520$



TUB-test chart BE81; Relative elementary colour vision
Sensitivities lin[LMS-R17_Mx ($x=1,2,3,4$)] and combinations; threshold $t_a=0,00$ and $0,01$

input: w/rgb/cmyk → rgb_

C

M

O

L

V

C

-6

Y

M

C

V

-8

-6

see similar files: <http://farbe.li.tu-berlin.de/BE81/BE81L0NP.PDF/.PS>

technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmtrik>

6

-8