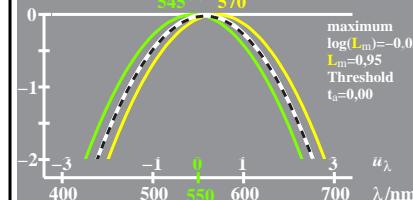


TUB registration: 20220301-CEL4/CEL4L0NA.TXT/.PS  
application for evaluation and measurement of display or print output  
TUB material: code=rha4ta

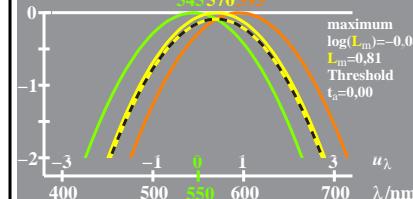
<http://farbe.li.tu-berlin.de/CEL4/CEL4L0NA.TXT/.PS>; only vector graphic VG; start output  
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 1/1

see similar files: <http://farbe.li.tu-berlin.de/CEL4/CEL4L0NA.TXT/.PS>  
technical information: <http://farbe.li.tu-berlin.de/CEL4/CEL4.HTML> or <http://color.li.tu-berlin.de>

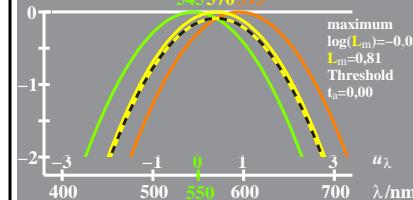
logarithmic  $V_a, V_o$ -data  $u_\lambda = (\lambda - 550) / 50$   
 $\log V_a = (\log M_o + \log L_o)/2$   $\log M_o = -0.35[u_\lambda - u_{550}]^2$   
 $\log V_o = \log V_a + 0.02$   $\log L_o = -0.35[u_\lambda - u_{570}]^2$   
 $\log [V_o, V_a, M_o, L_o]$  Adaptation:  $\lambda_{\text{ad}}=557$



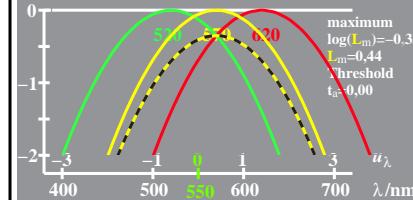
logarithmic  $L_a, L_o$ -data  $u_\lambda = (\lambda - 550) / 50$   
 $\log L_a = (\log M_o + \log O_o)/2$   $\log M_o = -0.35[u_\lambda - u_{550}]^2$   
 $\log L_o = \log L_a + 0.08$   $\log O_o = -0.35[u_\lambda - u_{570}]^2$   
 $\log [L_o, L_a, M_o, O_o]$  Adaptation:  $\lambda_{\text{ad}}=570$



logarithmic  $L_a, L_o$ -data  $u_\lambda = (\lambda - 550) / 50$   
 $\log L_a = (\log M_o + \log O_o)/2$   $\log M_o = -0.35[u_\lambda - u_{550}]^2$   
 $\log L_o = \log L_a + 0.08$   $\log O_o = -0.35[u_\lambda - u_{595}]^2$   
 $\log [L_o, L_a, M_o, O_o]$  Adaptation:  $\lambda_{\text{ad}}=570$

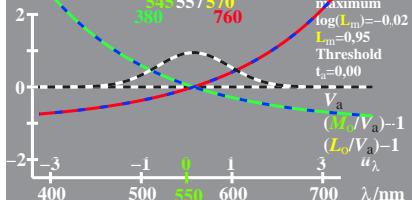


logarithmic  $L_a, L_o$ -data  $u_\lambda = (\lambda - 550) / 50$   
 $\log L_a = (\log G_o + \log R_o)/2$   $\log G_o = -0.35[u_\lambda - u_{550}]^2$   
 $\log L_o = \log L_a + 0.35$   $\log R_o = -0.35[u_\lambda - u_{620}]^2$   
 $\log [L_o, L_a, G_o, R_o]$  Adaptation:  $\lambda_{\text{ad}}=570$

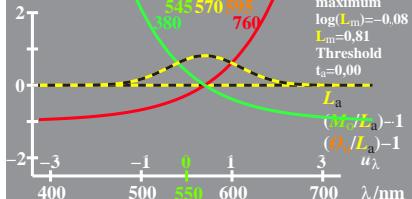


CEL40-7N

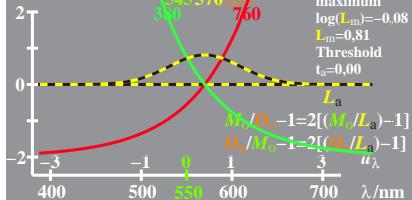
logarithmic  $V_a, V_o$ -data  $u_\lambda = (\lambda - 550) / 50$   
 $\log V_a = (\log M_o + \log L_o)/2$   $\log M_o = -0.35[u_\lambda - u_{550}]^2$   
 $\log V_o = \log V_a + 0.02$   $\log L_o = -0.35[u_\lambda - u_{570}]^2$   
 $\log [V_o, V_a, M_o, L_o]$  Adaptation:  $\lambda_{\text{ad}}=557$



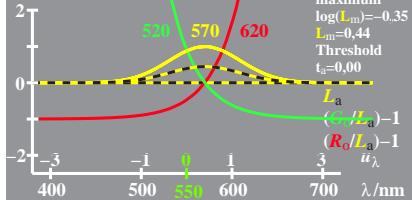
logarithmic  $L_a, L_o$ -data  $u_\lambda = (\lambda - 550) / 50$   
 $\log L_a = (\log M_o + \log O_o)/2$   $\log M_o = -0.35[u_\lambda - u_{550}]^2$   
 $\log L_o = \log L_a + 0.08$   $\log O_o = -0.35[u_\lambda - u_{570}]^2$   
 $\log [L_o, L_a, M_o, O_o]$  Adaptation:  $\lambda_{\text{ad}}=570$



logarithmic  $L_a, L_o$ -data  $u_\lambda = (\lambda - 550) / 50$   
 $\log L_a = (\log M_o + \log O_o)/2$   $\log M_o = -0.35[u_\lambda - u_{550}]^2$   
 $\log L_o = \log L_a + 0.08$   $\log O_o = -0.35[u_\lambda - u_{595}]^2$   
 $\log [L_o, L_a, M_o, O_o]$  Adaptation:  $\lambda_{\text{ad}}=570$

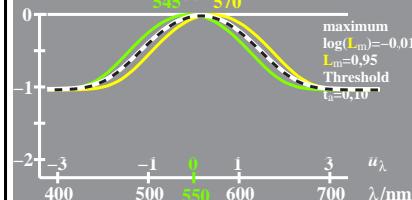


logarithmic  $L_a, L_o$ -data  $u_\lambda = (\lambda - 550) / 50$   
 $\log L_a = (\log G_o + \log R_o)/2$   $\log G_o = -0.35[u_\lambda - u_{550}]^2$   
 $\log L_o = \log L_a + 0.35$   $\log R_o = -0.35[u_\lambda - u_{620}]^2$   
 $\log [L_o, L_a, G_o, R_o]$  Adaptation:  $\lambda_{\text{ad}}=570$

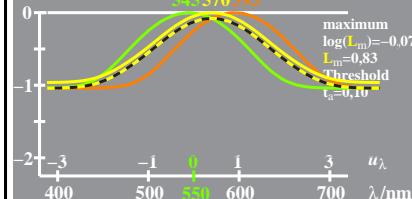


CEL40-7N

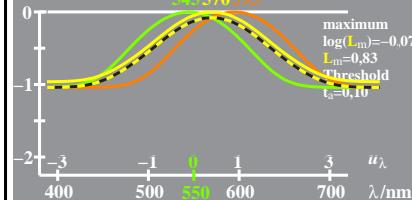
logarithmic  $V_a, V_o$ -data  $u_\lambda = (\lambda - 550) / 50$   
 $\log V_a = (\log M_o + \log L_o)/2$   $\log M_o = -0.35[u_\lambda - u_{550}]^2$   
 $\log V_o = \log V_a + 0.01$   $\log L_o = -0.35[u_\lambda - u_{570}]^2$   
 $\log [V_o, V_a, M_o, L_o]$  Adaptation:  $\lambda_{\text{ad}}=557$



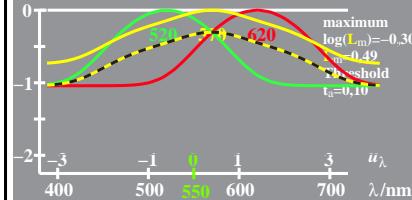
logarithmic  $L_a, L_o$ -data  $u_\lambda = (\lambda - 550) / 50$   
 $\log L_a = (\log M_o + \log O_o)/2$   $\log M_o = -0.35[u_\lambda - u_{550}]^2$   
 $\log L_o = \log L_a + 0.07$   $\log O_o = -0.35[u_\lambda - u_{570}]^2$   
 $\log [L_o, L_a, M_o, O_o]$  Adaptation:  $\lambda_{\text{ad}}=570$



logarithmic  $L_a, L_o$ -data  $u_\lambda = (\lambda - 550) / 50$   
 $\log L_a = (\log M_o + \log O_o)/2$   $\log M_o = -0.35[u_\lambda - u_{550}]^2$   
 $\log L_o = \log L_a + 0.07$   $\log O_o = -0.35[u_\lambda - u_{595}]^2$   
 $\log [L_o, L_a, M_o, O_o]$  Adaptation:  $\lambda_{\text{ad}}=570$

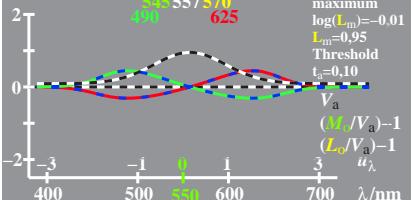


logarithmic  $L_a, L_o$ -data  $u_\lambda = (\lambda - 550) / 50$   
 $\log L_a = (\log G_o + \log R_o)/2$   $\log G_o = -0.35[u_\lambda - u_{550}]^2$   
 $\log L_o = \log L_a + 0.07$   $\log R_o = -0.35[u_\lambda - u_{620}]^2$   
 $\log [L_o, L_a, G_o, R_o]$  Adaptation:  $\lambda_{\text{ad}}=570$

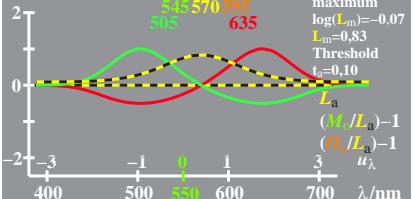


CEL41-7A

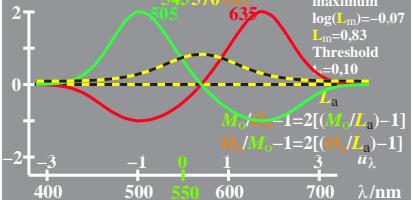
logarithmic  $V_a, V_o$ -data  $u_\lambda = (\lambda - 550) / 50$   
 $\log V_a = (\log M_o + \log L_o)/2$   $\log M_o = -0.35[u_\lambda - u_{550}]^2$   
 $\log V_o = \log V_a + 0.01$   $\log L_o = -0.35[u_\lambda - u_{570}]^2$   
 $\log [V_o, V_a, M_o, L_o]$  Adaptation:  $\lambda_{\text{ad}}=557$



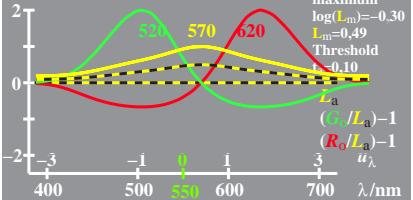
logarithmic  $L_a, L_o$ -data  $u_\lambda = (\lambda - 550) / 50$   
 $\log L_a = (\log M_o + \log O_o)/2$   $\log M_o = -0.35[u_\lambda - u_{550}]^2$   
 $\log L_o = \log L_a + 0.07$   $\log O_o = -0.35[u_\lambda - u_{570}]^2$   
 $\log [L_o, L_a, M_o, O_o]$  Adaptation:  $\lambda_{\text{ad}}=570$



logarithmic  $L_a, L_o$ -data  $u_\lambda = (\lambda - 550) / 50$   
 $\log L_a = (\log M_o + \log O_o)/2$   $\log M_o = -0.35[u_\lambda - u_{550}]^2$   
 $\log L_o = \log L_a + 0.07$   $\log O_o = -0.35[u_\lambda - u_{595}]^2$   
 $\log [L_o, L_a, M_o, O_o]$  Adaptation:  $\lambda_{\text{ad}}=570$



logarithmic  $L_a, L_o$ -data  $u_\lambda = (\lambda - 550) / 50$   
 $\log L_a = (\log G_o + \log R_o)/2$   $\log G_o = -0.35[u_\lambda - u_{550}]^2$   
 $\log L_o = \log L_a + 0.07$   $\log R_o = -0.35[u_\lambda - u_{620}]^2$   
 $\log [L_o, L_a, G_o, R_o]$  Adaptation:  $\lambda_{\text{ad}}=570$



CEL41-7B

TUB-test chart CEL4; Elementary colour vision; threshold  $t_a=0.00$  (left) and  $0.10$  (right), E00  
 $\log[\text{Sensitivities}], \text{lin}[\text{differences}]$  LMS-R21=(545,557,570), (545,570,595), (520,570,620)