

TUB registration: 20220301-CEK3/CEK3L0NA.TXT/.PS

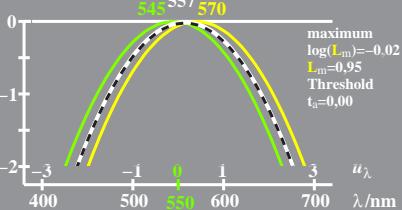
application for evaluation and measurement of display or print output

TUB material: code=rha4ta

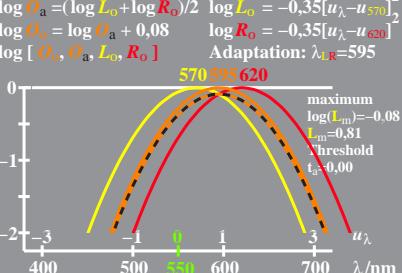


TUB-test chart CEK3; Elementary colour vision; threshold $t_a=0.00$ (left) and 0.10 (right), E00
 $\log[\text{Sensitivities and differences}] LMS-R2I=(545,557,570), (570,595,620), (520,570,620)$

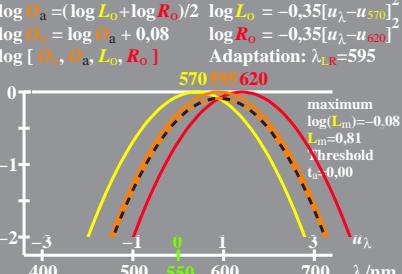
logarithmic V_a, V_o -data $u_\lambda=(\lambda - 550) / 50$
 $\log V_a = (\log M_a + \log L_o)/2$ $\log M_o = -0.35[u_\lambda - u_{570}]^2$
 $\log V_o = \log V_a + 0.02$ $\log L_o = -0.35[u_\lambda - u_{570}]^2$
 $\log [V_o, V_a, M_o, L_o]$ Adaptation: $\lambda_{M_o}=557$



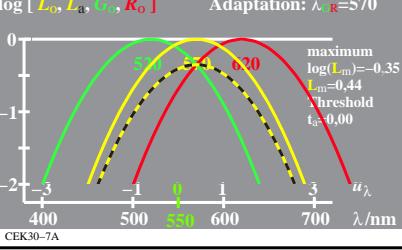
logarithmic O_a, O_o -data $u_\lambda=(\lambda - 550) / 50$
 $\log O_a = (\log L_o + \log R_o)/2$ $\log L_o = -0.35[u_\lambda - u_{570}]^2$
 $\log O_o = \log O_a + 0.08$ $\log R_o = -0.35[u_\lambda - u_{620}]^2$
 $\log [O_o, O_a, L_o, R_o]$ Adaptation: $\lambda_{R_o}=595$



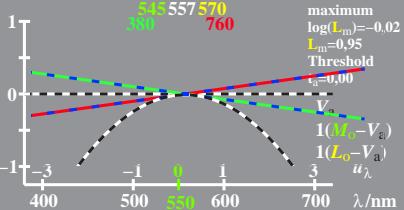
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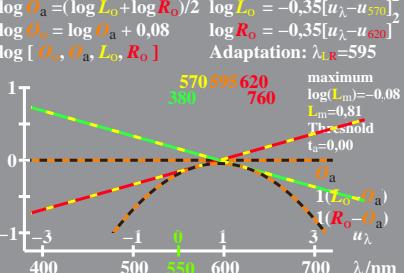
logarithmic L_a, L_o -data $u_\lambda=(\lambda - 550) / 50$
 $\log L_a = (\log G_a + \log R_o)/2$ $\log G_o = -0.35[u_\lambda - u_{570}]^2$
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 $\log [L_o, L_a, G_o, R_o]$ Adaptation: $\lambda_{R_o}=570$



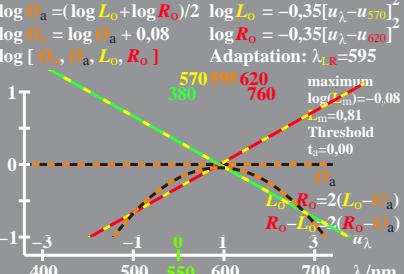
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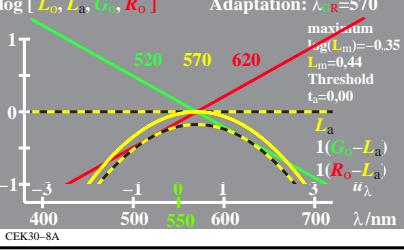
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 $\log [O_o, O_a, L_o, R_o]$ Adaptation: $\lambda_{R_o}=595$



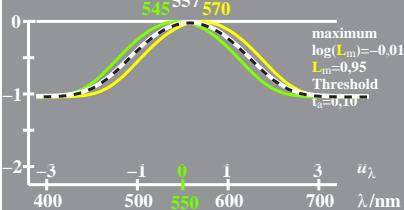
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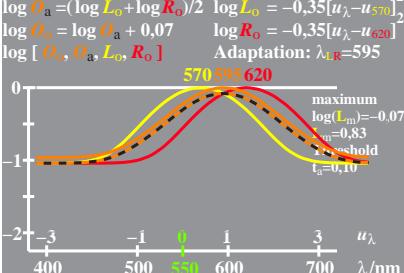
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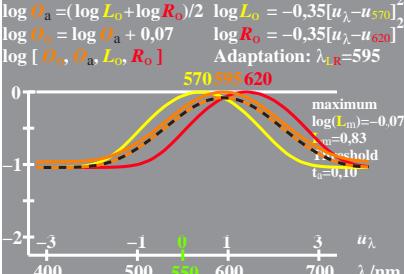
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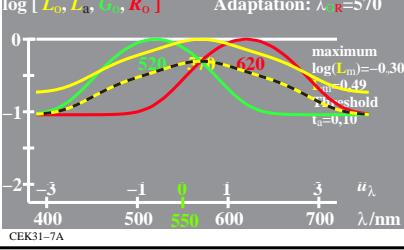
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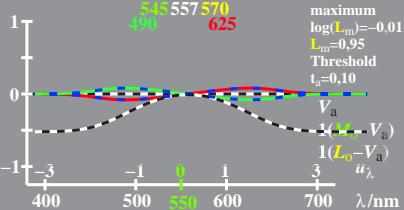
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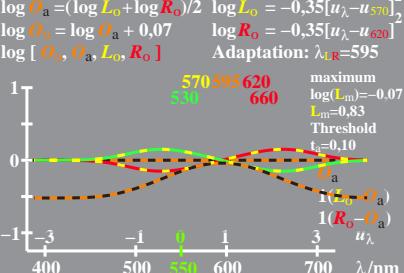
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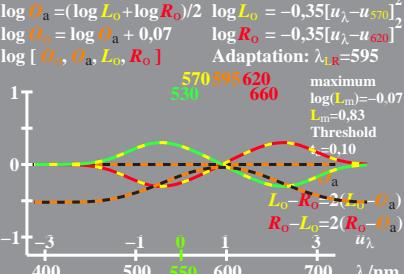
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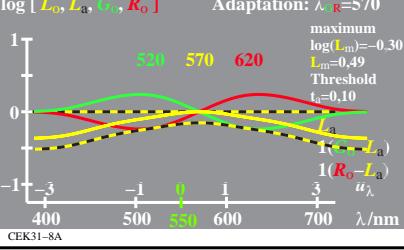
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see similar files: <http://farbe.li.tu-berlin.de/CEK3/CEK3L0NA.TXT/.PS>

technical information: <http://farbe.li.tu-berlin.de/CEK3/CEK3.HTML> or <http://farbe.li.tu-berlin.de/CEK3/CEK3.JPG>