

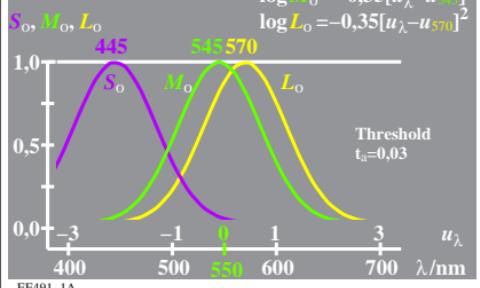
**S<sub>o</sub>, M<sub>o</sub>, L<sub>o</sub> data**  
Cone sensitivities

$$u_{\lambda} = (\lambda - 550) / 50$$

$$\log S_o = -0,35 [u_{\lambda} - u_{445}]^2$$

$$\log M_o = -0,35 [u_{\lambda} - u_{535}]^2$$

$$\log L_o = -0,35 [u_{\lambda} - u_{570}]^2$$



EE491-1A

**B<sub>la</sub>, B<sub>lo</sub> data**

$$B_{la} = (T_o + G_o) / 2$$

$$B_{lo} = B_{la} / 0,46$$

$$B_{lo} = B_{la} \cdot T_o \cdot B_{lo}, G_o$$

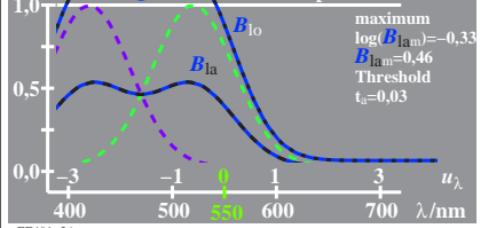
$$u_{\lambda} = (\lambda - 550) / 50$$

$$\log T_o = -0,35 [u_{\lambda} - u_{420}]^2$$

$$\log B_{lo} = -0,35 [u_{\lambda} - u_{470}]^2$$

$$\log G_o = -0,35 [u_{\lambda} - u_{530}]^2$$

$$\text{Adaptation: } \lambda_{T_o} = 470$$



EE491-3A

**G<sub>la</sub>, G<sub>lo</sub> data**

$$G_{la} = (B_o + L_o) / 2$$

$$G_{lo} = G_{la} / 0,46$$

$$G_{lo}, G_{la}, B_o, G_o, L_o$$

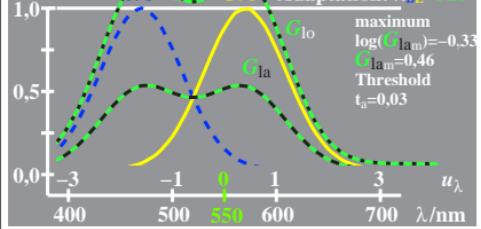
$$u_{\lambda} = (\lambda - 550) / 50$$

$$\log B_o = -0,35 [u_{\lambda} - u_{470}]^2$$

$$\log G_o = -0,35 [u_{\lambda} - u_{530}]^2$$

$$\log L_o = -0,35 [u_{\lambda} - u_{570}]^2$$

$$\text{Adaptation: } \lambda_{BL} = 520$$



EE491-5A

**L<sub>la</sub>, L<sub>lo</sub> data**

$$L_{la} = (G_o + R_o) / 2$$

$$L_{lo} = L_{la} / 0,46$$

$$L_{lo}, L_{la}, G_o, L_o, R_o$$

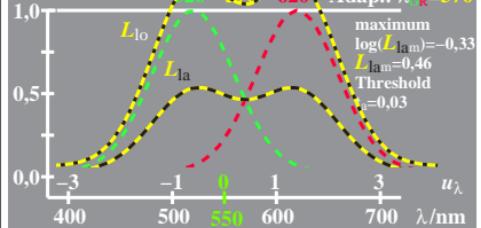
$$u_{\lambda} = (\lambda - 550) / 50$$

$$\log G_o = -0,35 [u_{\lambda} - u_{530}]^2$$

$$\log L_o = -0,35 [u_{\lambda} - u_{570}]^2$$

$$\log R_o = -0,35 [u_{\lambda} - u_{620}]^2$$

$$\text{Adap.: } \lambda_R = 570$$



EE491-7A

**T<sub>o</sub>, B<sub>o</sub>, G<sub>o</sub>, L<sub>o</sub>, R<sub>o</sub> data**

$$u_{\lambda} = (\lambda - 550) / 50$$

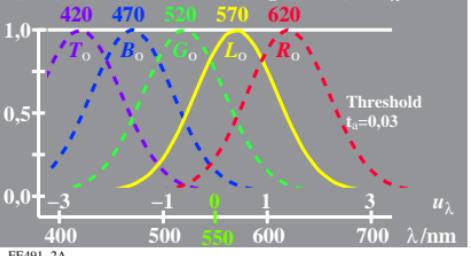
$$\log T_o = -0,35 [u_{\lambda} - u_{420}]^2$$

$$\log B_o = -0,35 [u_{\lambda} - u_{470}]^2$$

$$\log G_o = -0,35 [u_{\lambda} - u_{530}]^2$$

$$\log L_o = -0,35 [u_{\lambda} - u_{570}]^2$$

$$\log R_o = -0,35 [u_{\lambda} - u_{620}]^2$$



EE491-2A

**B<sub>la</sub>, B<sub>lo</sub> data**

$$B_{la} = (T_o + G_o) / 2$$

$$B_{lo} = B_{la} / 0,46$$

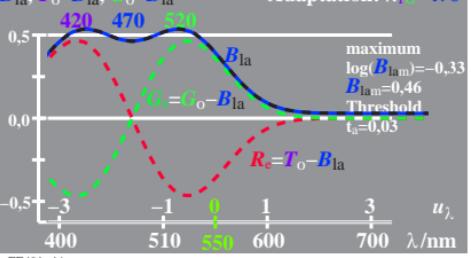
$$B_{lo} = B_{la} \cdot T_o \cdot B_{lo}, G_o$$

$$u_{\lambda} = (\lambda - 550) / 50$$

$$\log T_o = -0,35 [u_{\lambda} - u_{420}]^2$$

$$\log G_o = -0,35 [u_{\lambda} - u_{530}]^2$$

$$\text{Adaptation: } \lambda_{T_o} = 470$$



EE491-4A

**G<sub>la</sub>, G<sub>lo</sub> data**

$$G_{la} = (B_o + L_o) / 2$$

$$G_{lo} = G_{la} / 0,46$$

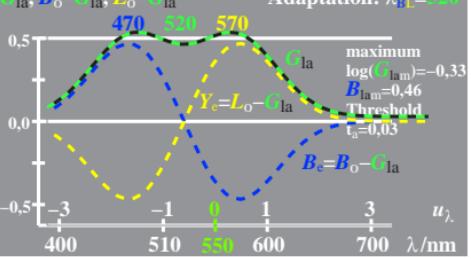
$$G_{lo}, G_{la}, B_o, L_o, G_{la}$$

$$u_{\lambda} = (\lambda - 550) / 50$$

$$\log B_o = -0,35 [u_{\lambda} - u_{470}]^2$$

$$\log L_o = -0,35 [u_{\lambda} - u_{570}]^2$$

$$\text{Adaptation: } \lambda_B = 520$$



EE491-6A

**L<sub>la</sub>, L<sub>lo</sub> data**

$$L_{la} = (G_o + R_o) / 2$$

$$L_{lo} = L_{la} / 0,46$$

$$L_{lo}, L_{la}, G_o, L_o, R_o$$

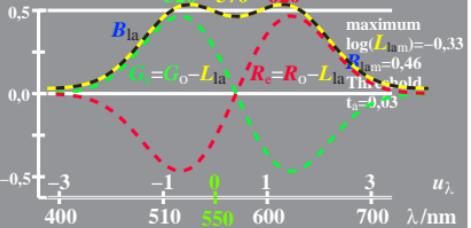
$$u_{\lambda} = (\lambda - 550) / 50$$

$$\log G_o = -0,35 [u_{\lambda} - u_{530}]^2$$

$$\log L_o = -0,35 [u_{\lambda} - u_{570}]^2$$

$$\log R_o = -0,35 [u_{\lambda} - u_{620}]^2$$

$$\text{Adap.: } \lambda_R = 570$$



EE491-8A

EE491-7N