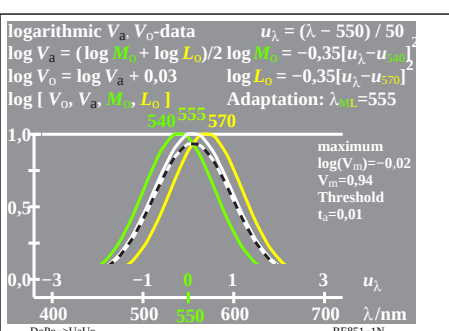
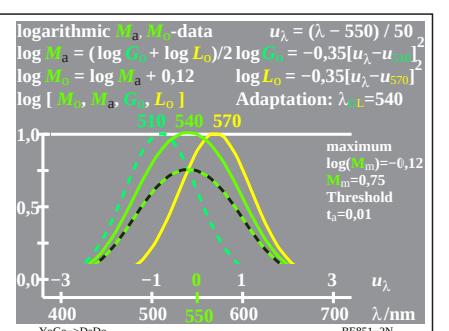
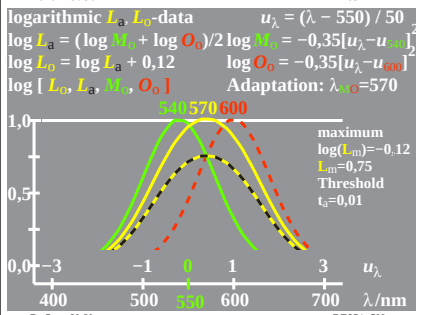
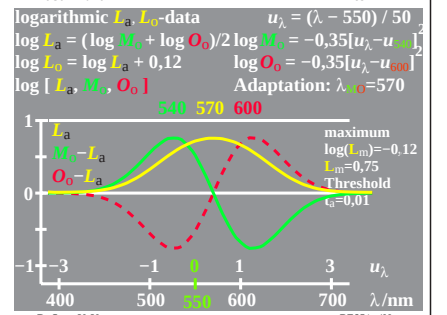
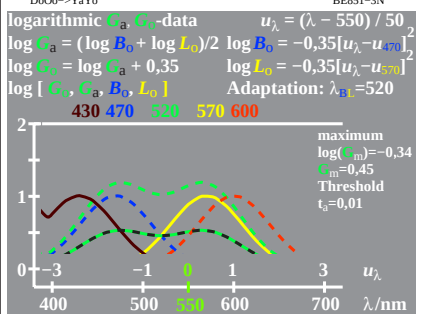
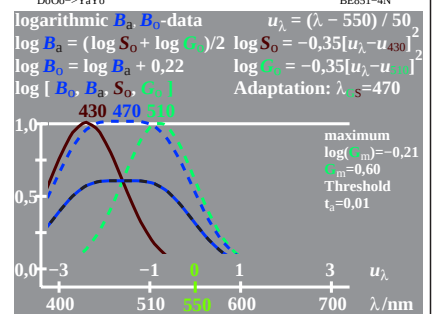

logarithmic V_a, V_o-data
$u_\lambda = (\lambda - 550) / 50$
$\log V_a = (\log M_o + \log L_o)/2$
$\log M_o = -0{,}35[u_\lambda - u_{540}]^2$
$\log V_o = \log V_a + 0{,}03$
$\log L_o = -0{,}35[u_\lambda - u_{570}]^2$
$\log [\ V_o, V_a, M_a, L_o\ ]$
Adaptation: λ_{wL}=555
540 555 570
1,0
0,5
0,0
maximum
log(V_m)=−0,02
V_m=0,94
Threshold
t_a=0,01
−3 −1 0 1 3 u_λ
400 500 550 600 700 λ/nm
DoPo−>UaUo
BE851−1N

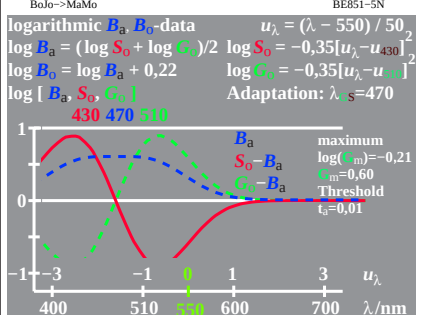

logarithmic M_a, M_o-data
$u_\lambda = (\lambda - 550) / 50$
$\log M_a = (\log G_o + \log L_o)/2$
$\log M_o = -0{,}35[u_\lambda - u_{540}]^2$
$\log M_o = \log M_a + 0{,}12$
$\log L_o = -0{,}35[u_\lambda - u_{570}]^2$
$\log [\ M_o, M_a, G_o, L_o\ ]$
Adaptation: λ_{wL}=540
540 540 570
1,0
0,5
0,0
maximum
log(M_m)=−0,12
M_m=0,75
Threshold
t_a=0,01
−3 −1 0 1 3 u_λ
400 500 550 600 700 λ/nm
YoGo−>DaDo
BE851−2N

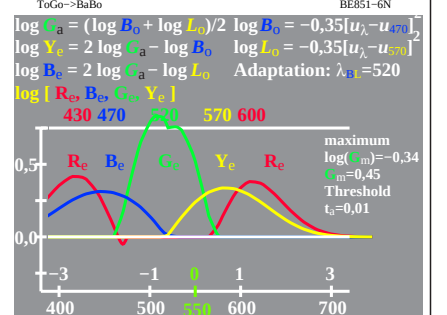

logarithmic L_a, L_o-data
$u_\lambda = (\lambda - 550) / 50$
$\log L_a = (\log M_o + \log O_o)/2$
$\log M_o = -0{,}35[u_\lambda - u_{540}]^2$
$\log L_o = \log L_a + 0{,}12$
$\log O_o = -0{,}35[u_\lambda - u_{600}]^2$
$\log [\ L_o, L_a, M_a, O_o\ ]$
Adaptation: λ_{wO}=570
540 570 600
1,0
0,5
0,0
maximum
log(L_m)=−0,12
L_m=0,75
Threshold
t_a=0,01
−3 −1 0 1 3 u_λ
400 500 550 600 700 λ/nm
DoOo−>YaYo
BE851−3N


logarithmic L_a, L_o-data
$u_\lambda = (\lambda - 550) / 50$
$\log L_a = (\log M_o + \log O_o)/2$
$\log M_o = -0{,}35[u_\lambda - u_{540}]^2$
$\log L_o = \log L_a + 0{,}12$
$\log O_o = -0{,}35[u_\lambda - u_{600}]^2$
$\log [\ L_e, M_e, O_o\ ]$
Adaptation: λ_{wO}=570
540 570 600
L_a
$M_o - L_a$
$O_o - L_a$
1
0
−1
maximum
log(L_m)=−0,12
L_m=0,75
Threshold
t_a=0,01
−3 −1 0 1 3 u_λ
400 500 550 600 700 λ/nm
DoOo−>YaYo
BE851−4N


logarithmic G_a, G_o-data
$u_\lambda = (\lambda - 550) / 50$
$\log G_a = (\log B_o + \log L_o)/2$
$\log B_o = -0{,}35[u_\lambda - u_{470}]^2$
$\log G_o = \log G_a + 0{,}35$
$\log L_o = -0{,}35[u_\lambda - u_{570}]^2$
$\log [\ G_o, G_a, B_o, L_o\ ]$
Adaptation: λ_{wL}=520
430 470 520 570 600
2
1
0
maximum
log(G_m)=−0,34
G_m=0,45
Threshold
t_a=0,01
−3 −1 0 1 3 u_λ
400 500 550 600 700 λ/nm
BoJo−>MaMo
BE851−5N


logarithmic B_a, B_o-data
$u_\lambda = (\lambda - 550) / 50$
$\log B_a = (\log S_o + \log G_o)/2$
$\log S_o = -0{,}35[u_\lambda - u_{430}]^2$
$\log B_o = \log B_a + 0{,}22$
$\log G_o = -0{,}35[u_\lambda - u_{510}]^2$
$\log [\ B_o, B_a, S_o, G_o\ ]$
Adaptation: λ_{wS}=470
430 470 510
1,0
0,5
0,0
maximum
log(G_m)=−0,21
G_m=0,60
Threshold
t_a=0,01
−3 −1 0 1 3 u_λ
400 510 550 600 700 λ/nm
ToGo−>BaBo
BE851−6N


logarithmic B_a, B_o-data
$u_\lambda = (\lambda - 550) / 50$
$\log B_a = (\log S_o + \log G_o)/2$
$\log S_o = -0{,}35[u_\lambda - u_{430}]^2$
$\log B_o = \log B_a + 0{,}22$
$\log G_o = -0{,}35[u_\lambda - u_{510}]^2$
$\log [\ B_a, S_o, G_o\ ]$
Adaptation: λ_{wS}=470
430 470 510
1
0
−1
B_a
$S_o - B_a$
$G_o - B_a$
maximum
log(G_m)=−0,21
G_m=0,60
Threshold
t_a=0,01
−3 −1 0 1 3 u_λ
400 510 550 600 700 λ/nm
ToGo−>BaBo
BE851−7N


$\log G_a = (\log B_o + \log L_o)/2$
$\log B_o = -0{,}35[u_\lambda - u_{470}]^2$
$\log Y_e = 2 \log G_a - \log B_o$
$\log L_o = -0{,}35[u_\lambda - u_{570}]^2$
$\log B_e = 2 \log G_a - \log L_o$
Adaptation: λ_{wL}=520
$\log [\ R_e, B_e, G_e, Y_e\ ]$
430 470 520 570 600
0,5
0,0
R_e B_e G_e Y_e R_e
maximum
log(G_m)=−0,34
G_m=0,45
Threshold
t_a=0,01
−3 −1 0 1 3
400 500 550 600 700
BoJo−>MaMo
BE851−8N