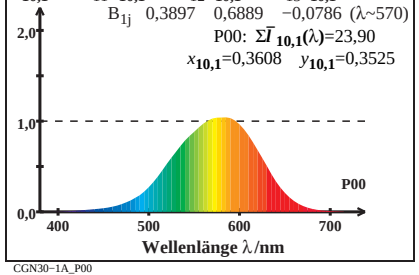
HPE_CIE10-Zapfenempfindlichkeit $\bar{y}_{max}(\lambda)=1$

$\bar{l}_{10,1}(\lambda)=B_{11}\bar{x}_{10,1}(\lambda)+B_{12}\bar{y}_{10,1}(\lambda)+B_{13}\bar{z}_{10,1}(\lambda)$

B_{1j} 0,3897 0,6889 −0,0786 (λ~570)

P00: $\Sigma\bar{l}_{10,1}(\lambda)=23{,}90$

$x_{10,1}=0{,}3608$ $y_{10,1}=0{,}3525$



CGN30−1A_P00

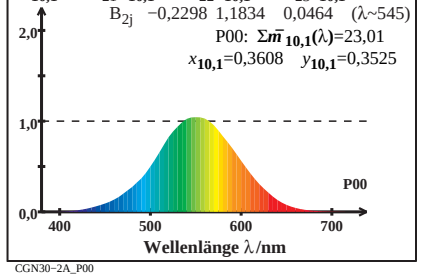
HPE_CIE10-Zapfenempfindlichkeit $\bar{y}_{max}(\lambda)=1$

$\bar{m}_{10,1}(\lambda)=B_{21}\bar{x}_{10,1}(\lambda)+B_{22}\bar{y}_{10,1}(\lambda)+B_{23}\bar{z}_{10,1}(\lambda)$

B_{2j} −0,2298 1,1834 0,0464 (λ~545)

P00: $\Sigma\bar{m}_{10,1}(\lambda)=23{,}01$

$x_{10,1}=0{,}3608$ $y_{10,1}=0{,}3525$



CGN30−2A_P00

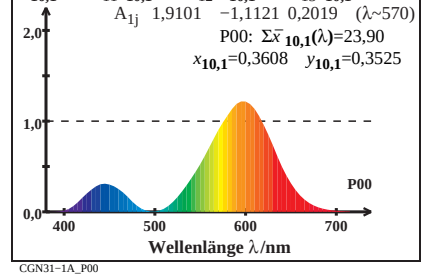
CIE10-Normspektralwerte $\bar{y}_{max}(\lambda)=1$

$\bar{x}_{10,1}(\lambda)=A_{11}\bar{l}_{10,1}(\lambda)+A_{12}\bar{m}_{10,1}(\lambda)+A_{13}\bar{s}_{10,1}(\lambda)$

A_{1j} 1,9101 −1,1121 0,2019 (λ~570)

P00: $\Sigma\bar{x}_{10,1}(\lambda)=23{,}90$

$x_{10,1}=0{,}3608$ $y_{10,1}=0{,}3525$



CGN31−1A_P00

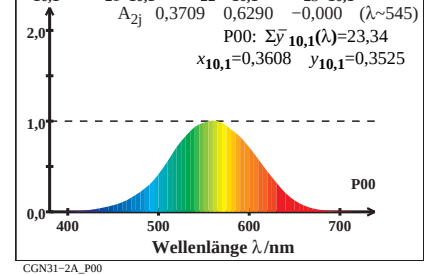
CIE10-Normspektralwerte $\bar{y}_{max}(\lambda)=1$

$\bar{y}_{10,1}(\lambda)=A_{21}\bar{l}_{10,1}(\lambda)+A_{22}\bar{m}_{10,1}(\lambda)+A_{23}\bar{s}_{10,1}(\lambda)$

A_{2j} 0,3709 0,6290 −0,000 (λ~545)

P00: $\Sigma\bar{y}_{10,1}(\lambda)=23{,}34$

$x_{10,1}=0{,}3608$ $y_{10,1}=0{,}3525$



CGN31−2A_P00

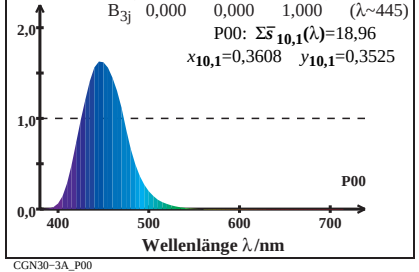
HPE_CIE10-Zapfenempfindlichkeit $\bar{y}_{max}(\lambda)=1$

$\bar{s}_{10,1}(\lambda)=B_{31}\bar{x}_{10,1}(\lambda)+B_{32}\bar{y}_{10,1}(\lambda)+B_{33}\bar{z}_{10,1}(\lambda)$

B_{3j} 0,000 0,000 1,000 (λ~445)

P00: $\Sigma\bar{s}_{10,1}(\lambda)=18{,}96$

$x_{10,1}=0{,}3608$ $y_{10,1}=0{,}3525$



CGN30−3A_P00

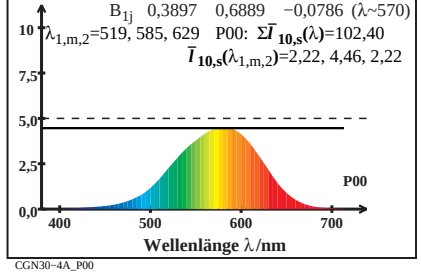
HPE_CIE10-Zapfenempfindlichkeit $Y_{sum}=100$

$\bar{l}_{10,s}(\lambda)=B_{11}\bar{x}_{10,s}(\lambda)+B_{12}\bar{y}_{10,s}(\lambda)+B_{13}\bar{z}_{10,s}(\lambda)$

B_{1j} 0,3897 0,6889 −0,0786 (λ~570)

$\lambda_{1,m,2}$=519, 585, 629 P00: $\Sigma\bar{l}_{10,s}(\lambda)=102{,}40$

$\bar{l}_{10,s}(\lambda_{1,m,2})=2{,}22, 4{,}46, 2{,}22$



CGN30−4A_P00

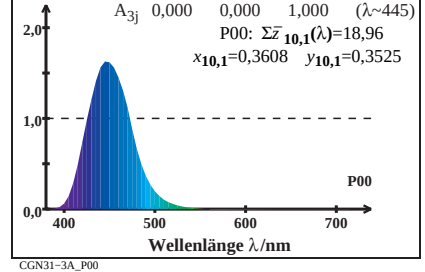
CIE10-Normspektralwerte $\bar{y}_{max}(\lambda)=1$

$\bar{z}_{10,1}(\lambda)=A_{31}\bar{l}_{10,1}(\lambda)+A_{32}\bar{m}_{10,1}(\lambda)+A_{33}\bar{s}_{10,1}(\lambda)$

A_{3j} 0,000 0,000 1,000 (λ~445)

P00: $\Sigma\bar{z}_{10,1}(\lambda)=18{,}96$

$x_{10,1}=0{,}3608$ $y_{10,1}=0{,}3525$



CGN31−3A_P00

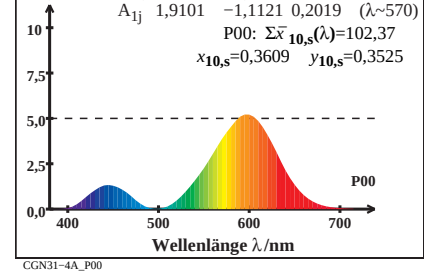
CIE10-Normspektralwerte $Y_{sum}=100$

$\bar{x}_{10,s}(\lambda)=A_{11}\bar{l}_{10,s}(\lambda)+A_{12}\bar{m}_{10,s}(\lambda)+A_{13}\bar{s}_{10,s}(\lambda)$

A_{1j} 1,9101 −1,1121 0,2019 (λ~570)

P00: $\Sigma\bar{x}_{10,s}(\lambda)=102{,}37$

$x_{10,s}=0{,}3609$ $y_{10,s}=0{,}3525$



CGN31−4A_P00

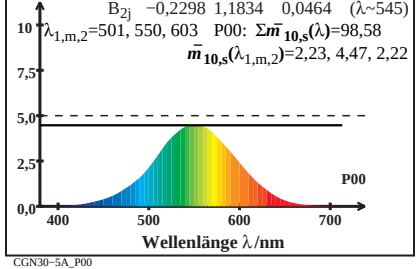
HPE_CIE10-Zapfenempfindlichkeit $Y_{sum}=100$

$\bar{m}_{10,s}(\lambda)=B_{21}\bar{x}_{10,s}(\lambda)+B_{22}\bar{y}_{10,s}(\lambda)+B_{23}\bar{z}_{10,s}(\lambda)$

B_{2j} −0,2298 1,1834 0,0464 (λ~545)

$\lambda_{1,m,2}$=501, 550, 603 P00: $\Sigma\bar{m}_{10,s}(\lambda)=98{,}58$

$\bar{m}_{10,s}(\lambda_{1,m,2})=2{,}23, 4{,}47, 2{,}22$



CGN30−5A_P00

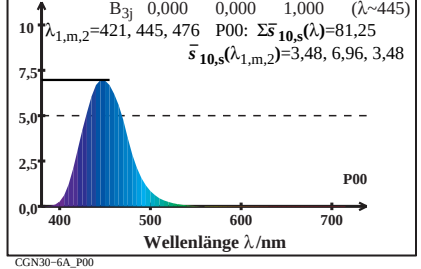
HPE_CIE10-Zapfenempfindlichkeit $Y_{sum}=100$

$\bar{s}_{10,s}(\lambda)=B_{31}\bar{x}_{10,s}(\lambda)+B_{32}\bar{y}_{10,s}(\lambda)+B_{33}\bar{z}_{10,s}(\lambda)$

B_{3j} 0,000 0,000 1,000 (λ~445)

$\lambda_{1,m,2}$=421, 445, 476 P00: $\Sigma\bar{s}_{10,s}(\lambda)=81{,}25$

$\bar{s}_{10,s}(\lambda_{1,m,2})=3{,}48, 6{,}96, 3{,}48$



CGN30−6A_P00

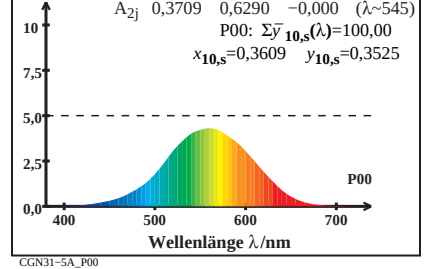
CIE10-Normspektralwerte $Y_{sum}=100$

$\bar{y}_{10,s}(\lambda)=A_{21}\bar{l}_{10,s}(\lambda)+A_{22}\bar{m}_{10,s}(\lambda)+A_{23}\bar{s}_{10,s}(\lambda)$

A_{2j} 0,3709 0,6290 −0,000 (λ~545)

P00: $\Sigma\bar{y}_{10,s}(\lambda)=100{,}00$

$x_{10,s}=0{,}3609$ $y_{10,s}=0{,}3525$



CGN31−5A_P00

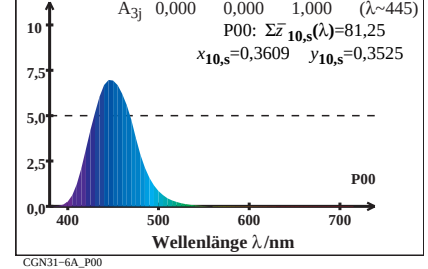
CIE10-Normspektralwerte $Y_{sum}=100$

$\bar{z}_{10,s}(\lambda)=A_{31}\bar{l}_{10,s}(\lambda)+A_{32}\bar{m}_{10,s}(\lambda)+A_{33}\bar{s}_{10,s}(\lambda)$

A_{3j} 0,000 0,000 1,000 (λ~445)

P00: $\Sigma\bar{z}_{10,s}(\lambda)=81{,}25$

$x_{10,s}=0{,}3609$ $y_{10,s}=0{,}3525$



CGN31−6A_P00

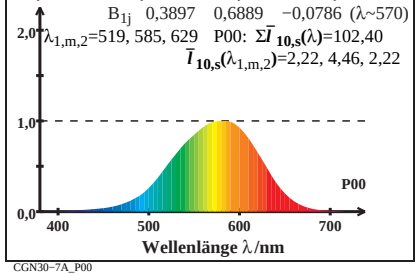
HPE_CIE10-Zapfenempfindlichkeit $l_{max}(\lambda)=1$

$\bar{l}_{10,n}(\lambda)=[B_{11}\bar{x}_{10,n}(\lambda)+B_{12}\bar{y}_{10,n}(\lambda)+B_{13}\bar{z}_{10,n}(\lambda)]/4{,}46$

B_{1j} 0,3897 0,6889 −0,0786 (λ~570)

$\lambda_{1,m,2}$=519, 585, 629 P00: $\Sigma\bar{l}_{10,s}(\lambda)=102{,}40$

$\bar{l}_{10,s}(\lambda_{1,m,2})=2{,}22, 4{,}46, 2{,}22$



CGN30−7A_P00

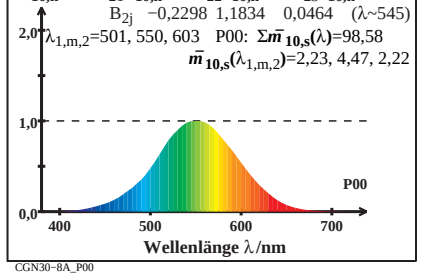
HPE_CIE10-Zapfenempfindlichkeit $\bar{m}_{max}(\lambda)=1$

$\bar{m}_{10,n}(\lambda)=[B_{21}\bar{x}_{10,n}(\lambda)+B_{22}\bar{y}_{10,n}(\lambda)+B_{23}\bar{z}_{10,n}(\lambda)]/4{,}47$

B_{2j} −0,2298 1,1834 0,0464 (λ~545)

$\lambda_{1,m,2}$=501, 550, 603 P00: $\Sigma\bar{m}_{10,s}(\lambda)=98{,}58$

$\bar{m}_{10,s}(\lambda_{1,m,2})=2{,}23, 4{,}47, 2{,}22$



CGN30−8A_P00

CIE10-Normspektralwerte $\bar{y}_{max}(\lambda)=1$

$\bar{y}_{10,1}(\lambda)=A_{21}\bar{l}_{10,1}(\lambda)+A_{22}\bar{m}_{10,1}(\lambda)+A_{23}\bar{s}_{10,1}(\lambda)$

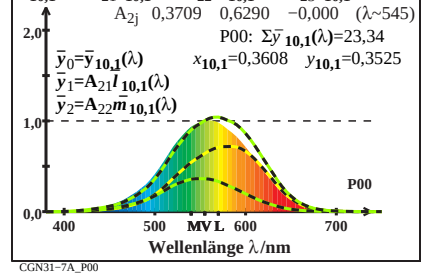
A_{2j} 0,3709 0,6290 −0,000 (λ~545)

P00: $\Sigma\bar{y}_{10,1}(\lambda)=23{,}34$

$\bar{y}_0=\bar{y}_{10,1}(\lambda)$ $x_{10,1}=0{,}3608$ $y_{10,1}=0{,}3525$

$\bar{y}_1=A_{21}\bar{l}_{10,1}(\lambda)$

$\bar{y}_2=A_{22}\bar{m}_{10,1}(\lambda)$



CGN31−7A_P00

CIE10-Normspektralwerte $\bar{y}_{max}(\lambda)=1$

$\bar{y}_{10,1}(\lambda)=A_{21}\bar{l}_{10,1}(\lambda)+A_{22}\bar{m}_{10,1}(\lambda)+A_{23}\bar{s}_{10,1}(\lambda)$

A_{2j} 0,3709 0,6290 −0,000 (λ~545)

P00: $\Sigma\bar{y}_{10,1}(\lambda)=23{,}34$

$\bar{y}_0=\bar{y}_{10,1}(\lambda)$ $x_{10,1}=0{,}3608$ $y_{10,1}=0{,}3525$

$\bar{y}_1=A_{21}\bar{l}_{10,1}(\lambda)$ $a=\bar{y}_{10,1}(\lambda_a)/\bar{m}_{10,1}(\lambda_a)$

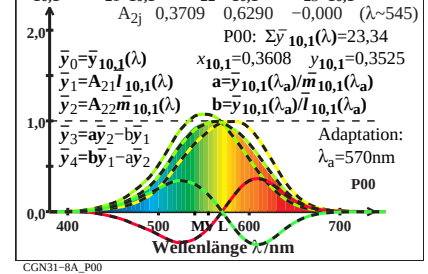
$\bar{y}_2=A_{22}\bar{m}_{10,1}(\lambda)$ $b=\bar{y}_{10,1}(\lambda_a)/\bar{l}_{10,1}(\lambda_a)$

$\bar{y}_3=a\bar{y}_2-b\bar{y}_1$

$\bar{y}_4=b\bar{y}_1-a\bar{y}_2$

Adaptation:

λ_a=570nm



CGN31−8A_P00

CGN30−7R