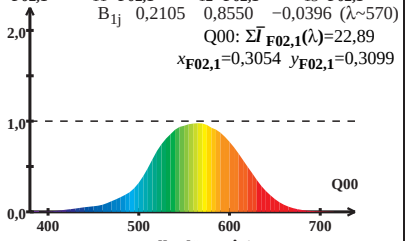
HPE_CIEF02-Zapfenempfindlichkeit $\bar{l}_{max}(\lambda)=1$

$\bar{l}_{F02,1}(\lambda)=B_{11}\bar{x}_{F02,1}(\lambda)+B_{12}\bar{y}_{F02,1}(\lambda)+B_{13}\bar{z}_{F02,1}(\lambda)$

B_{1j} 0,2105 0,8550 −0,0396 (λ~570)

Q00: $\Sigma\bar{l}_{F02,1}(\lambda)$=22,89

$x_{F02,1}$=0,3054 $y_{F02,1}$=0,3099



CGN80−1A_Q00

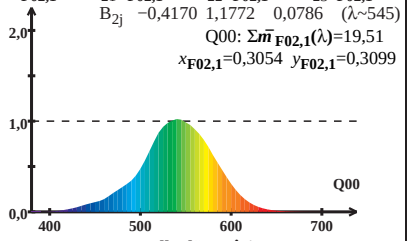
HPE_CIEF02-Zapfenempfindlichkeit $\bar{m}_{max}(\lambda)=1$

$\bar{m}_{F02,1}(\lambda)=B_{21}\bar{x}_{F02,1}(\lambda)+B_{22}\bar{y}_{F02,1}(\lambda)+B_{23}\bar{z}_{F02,1}(\lambda)$

B_{2j} −0,4170 1,7772 0,0786 (λ~545)

Q00: $\Sigma\bar{m}_{F02,1}(\lambda)$=19,51

$x_{F02,1}$=0,3054 $y_{F02,1}$=0,3099



CGN80−2A_Q00

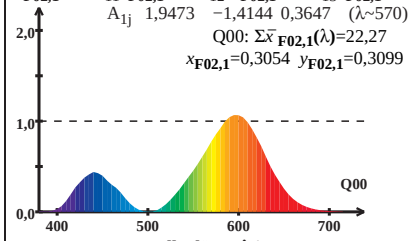
CIEF02-Normspektralwerte $\bar{x}_{max}(\lambda)=1$

$\bar{x}_{F02,1}(\lambda)=A_{11}\bar{l}_{F02,1}(\lambda)+A_{12}\bar{m}_{F02,1}(\lambda)+A_{13}\bar{s}_{F02,1}(\lambda)$

A_{1j} 1,9473 −1,4144 0,3647 (λ~570)

Q00: $\Sigma\bar{x}_{F02,1}(\lambda)$=22,27

$x_{F02,1}$=0,3054 $y_{F02,1}$=0,3099



CGN81−1A_Q00

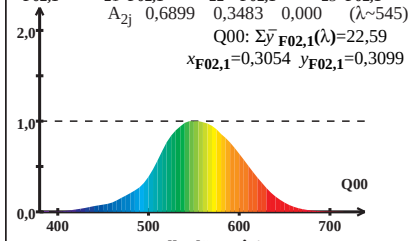
CIEF02-Normspektralwerte $\bar{y}_{max}(\lambda)=1$

$\bar{y}_{F02,1}(\lambda)=A_{21}\bar{l}_{F02,1}(\lambda)+A_{22}\bar{m}_{F02,1}(\lambda)+A_{23}\bar{s}_{F02,1}(\lambda)$

A_{2j} 0,6899 0,3483 0,000 (λ~545)

Q00: $\Sigma\bar{y}_{F02,1}(\lambda)$=22,59

$x_{F02,1}$=0,3054 $y_{F02,1}$=0,3099



CGN81−2A_Q00

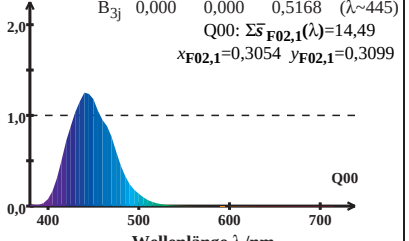
HPE_CIEF02-Zapfenempfindlichkeit $\bar{s}_{max}(\lambda)=1$

$\bar{s}_{F02,1}(\lambda)=B_{31}\bar{x}_{F02,1}(\lambda)+B_{32}\bar{y}_{F02,1}(\lambda)+B_{33}\bar{z}_{F02,1}(\lambda)$

B_{3j} 0,000 0,000 0,5168 (λ~445)

Q00: $\Sigma\bar{s}_{F02,1}(\lambda)$=14,49

$x_{F02,1}$=0,3054 $y_{F02,1}$=0,3099



CGN80−3A_Q00

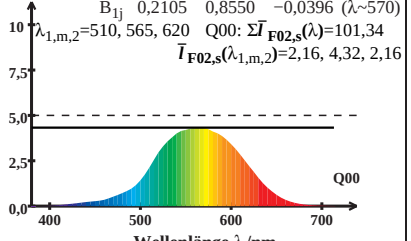
HPE_CIEF02-Zapfenempfindlichkeit $Y_{sum}=100$

$\bar{l}_{F02,s}(\lambda)=B_{11}\bar{x}_{F02,s}(\lambda)+B_{12}\bar{y}_{F02,s}(\lambda)+B_{13}\bar{z}_{F02,s}(\lambda)$

B_{1j} 0,2105 0,8550 −0,0396 (λ~570)

$\lambda_{1,m,2}$=510, 565, 620 Q00: $\Sigma\bar{l}_{F02,s}(\lambda)$=101,34

$\bar{l}_{F02,s}(\lambda_{1,m,2})$=2,16, 4,32, 2,16



CGN80−4A_Q00

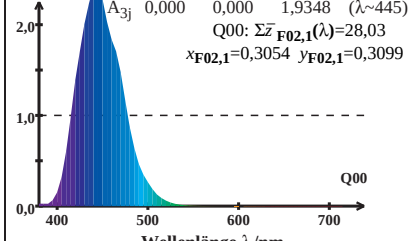
CIEF02-Normspektralwerte $\bar{z}_{max}(\lambda)=1$

$\bar{z}_{F02,1}(\lambda)=A_{31}\bar{l}_{F02,1}(\lambda)+A_{32}\bar{m}_{F02,1}(\lambda)+A_{33}\bar{s}_{F02,1}(\lambda)$

A_{3j} 0,000 0,000 1,9348 (λ~445)

Q00: $\Sigma\bar{z}_{F02,1}(\lambda)$=28,03

$x_{F02,1}$=0,3054 $y_{F02,1}$=0,3099



CGN81−3A_Q00

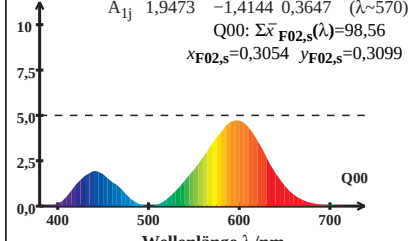
CIEF02-Normspektralwerte $Y_{sum}=100$

$\bar{x}_{F02,s}(\lambda)=A_{11}\bar{l}_{F02,s}(\lambda)+A_{12}\bar{m}_{F02,s}(\lambda)+A_{13}\bar{s}_{F02,s}(\lambda)$

A_{1j} 1,9473 −1,4144 0,3647 (λ~570)

Q00: $\Sigma\bar{x}_{F02,s}(\lambda)$=98,56

$x_{F02,s}$=0,3054 $y_{F02,s}$=0,3099



CGN81−4A_Q00

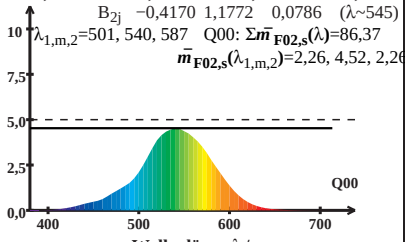
HPE_CIEF02-Zapfenempfindlichkeit $Y_{sum}=100$

$\bar{m}_{F02,s}(\lambda)=B_{21}\bar{x}_{F02,s}(\lambda)+B_{22}\bar{y}_{F02,s}(\lambda)+B_{23}\bar{z}_{F02,s}(\lambda)$

B_{2j} −0,4170 1,7772 0,0786 (λ~545)

10 $\lambda_{1,m,2}$=501, 540, 587 Q00: $\Sigma\bar{m}_{F02,s}(\lambda)$=86,37

$\bar{m}_{F02,s}(\lambda_{1,m,2})$=2,26, 4,52, 2,26



CGN80−5A_Q00

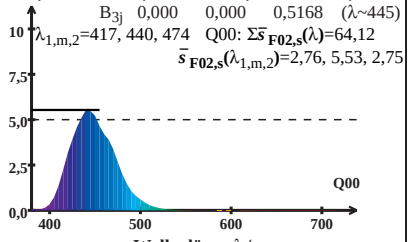
HPE_CIEF02-Zapfenempfindlichkeit $Y_{sum}=100$

$\bar{s}_{F02,s}(\lambda)=B_{31}\bar{x}_{F02,s}(\lambda)+B_{32}\bar{y}_{F02,s}(\lambda)+B_{33}\bar{z}_{F02,s}(\lambda)$

B_{3j} 0,000 0,000 0,5168 (λ~445)

10 $\lambda_{1,m,2}$=417, 440, 474 Q00: $\Sigma\bar{s}_{F02,s}(\lambda)$=64,12

$\bar{s}_{F02,s}(\lambda_{1,m,2})$=2,76, 5,53, 2,75



CGN80−6A_Q00

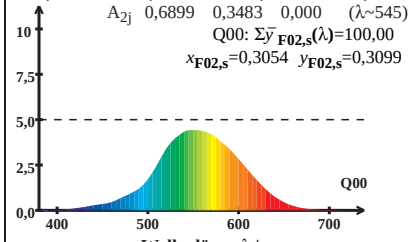
CIEF02-Normspektralwerte $Y_{sum}=100$

$\bar{y}_{F02,s}(\lambda)=A_{21}\bar{l}_{F02,s}(\lambda)+A_{22}\bar{m}_{F02,s}(\lambda)+A_{23}\bar{s}_{F02,s}(\lambda)$

A_{2j} 0,6899 0,3483 0,000 (λ~545)

Q00: $\Sigma\bar{y}_{F02,s}(\lambda)$=100,00

$x_{F02,s}$=0,3054 $y_{F02,s}$=0,3099



CGN81−5A_Q00

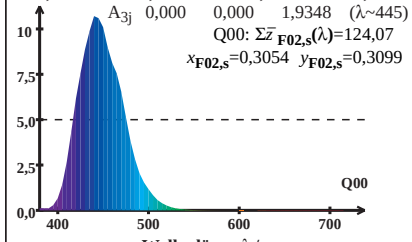
CIEF02-Normspektralwerte $Y_{sum}=100$

$\bar{z}_{F02,s}(\lambda)=A_{31}\bar{l}_{F02,s}(\lambda)+A_{32}\bar{m}_{F02,s}(\lambda)+A_{33}\bar{s}_{F02,s}(\lambda)$

A_{3j} 0,000 0,000 1,9348 (λ~445)

Q00: $\Sigma\bar{z}_{F02,s}(\lambda)$=124,07

$x_{F02,s}$=0,3054 $y_{F02,s}$=0,3099



CGN81−6A_Q00

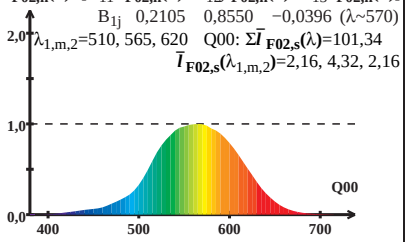
HPE_CIEF02-Zapfenempfindlichkeit $l_{max}(\lambda)=1$

$\bar{l}_{F02,n}(\lambda)=[B_{11}\bar{x}_{F02,n}(\lambda)+B_{12}\bar{y}_{F02,n}(\lambda)+B_{13}\bar{z}_{F02,n}(\lambda)]$

B_{1j} 0,2105 0,8550 −0,0396 (λ~570)

$\lambda_{1,m,2}$=510, 565, 620 Q00: $\Sigma\bar{l}_{F02,s}(\lambda)$=101,34

$\bar{l}_{F02,s}(\lambda_{1,m,2})$=2,16, 4,32, 2,16



CGN80−7A_Q00

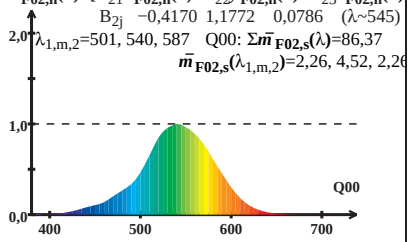
HPE_CIEF02-Zapfenempfindlichkeit $\bar{m}_{max}(\lambda)=1$

$\bar{m}_{F02,n}(\lambda)=[B_{21}\bar{x}_{F02,n}(\lambda)+B_{22}\bar{y}_{F02,n}(\lambda)+B_{23}\bar{z}_{F02,n}(\lambda)$

B_{2j} −0,4170 1,7772 0,0786 (λ~545)

$\lambda_{1,m,2}$=501, 540, 587 Q00: $\Sigma\bar{m}_{F02,s}(\lambda)$=86,37

$\bar{m}_{F02,s}(\lambda_{1,m,2})$=2,26, 4,52, 2,26



CGN80−8A_Q00

CIEF02-Normspektralwerte $\bar{y}_{max}(\lambda)=1$

$\bar{y}_{F02,1}(\lambda)=A_{21}\bar{l}_{F02,1}(\lambda)+A_{22}\bar{m}_{F02,1}(\lambda)+A_{23}\bar{s}_{F02,1}(\lambda)$

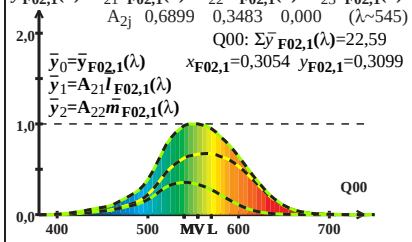
A_{2j} 0,6899 0,3483 0,000 (λ~545)

Q00: $\Sigma\bar{y}_{F02,1}(\lambda)$=22,59

$\bar{y}_0=\bar{y}_{F02,1}(\lambda)$ $x_{F02,1}$=0,3054 $y_{F02,1}$=0,3099

$\bar{y}_1=A_{21}\bar{l}_{F02,1}(\lambda)$

$\bar{y}_2=A_{22}\bar{m}_{F02,1}(\lambda)$



CGN81−7A_Q00

CIEF02-Normspektralwerte $\bar{y}_{max}(\lambda)=1$

$\bar{y}_{F02,1}(\lambda)=A_{21}\bar{l}_{F02,1}(\lambda)+A_{22}\bar{m}_{F02,1}(\lambda)+A_{23}\bar{s}_{F02,1}(\lambda)$

A_{2j} 0,6899 0,3483 0,000 (λ~545)

Q00: $\Sigma\bar{y}_{F02,1}(\lambda)$=22,59

$\bar{y}_0=\bar{y}_{F02,1}(\lambda)$ $x_{F02,1}$=0,3054 $y_{F02,1}$=0,3099

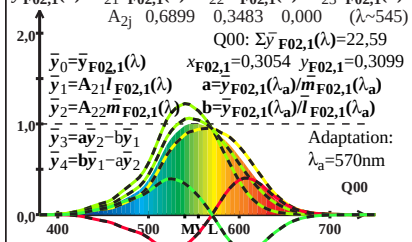
$\bar{y}_1=A_{21}\bar{l}_{F02,1}(\lambda)$ $a=\bar{y}_{F02,1}(\lambda_a)/\bar{m}_{F02,1}(\lambda_a)$

$\bar{y}_2=A_{22}\bar{m}_{F02,1}(\lambda)$ $b=\bar{y}_{F02,1}(\lambda_a)/\bar{l}_{F02,1}(\lambda_a)$

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

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

Adaptation: λ_a=570nm



CGN81−8A_Q00

CGN80−7R