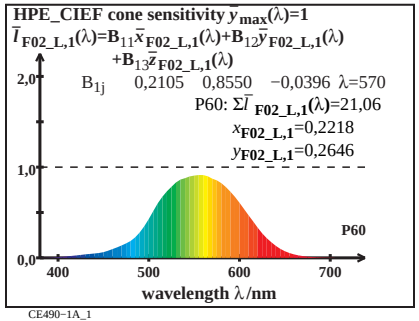
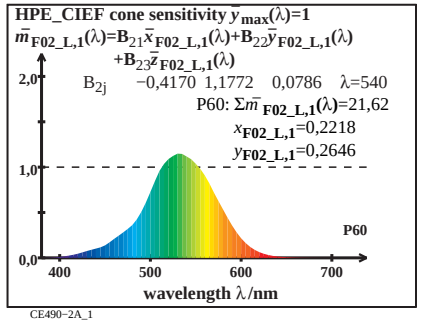
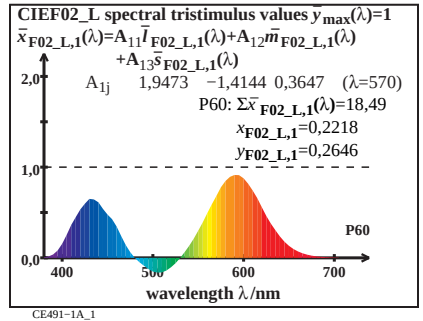
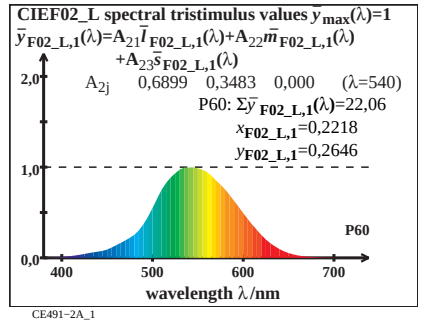
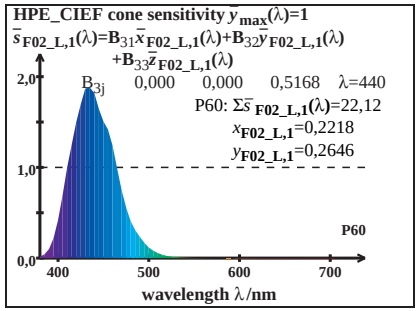
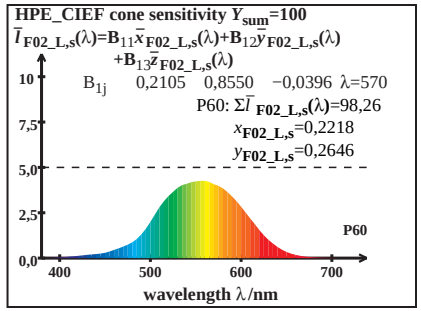

HPE_CIEF cone sensitivity $\bar{y}_{max}(\lambda)=1$
$\bar{l}_{F02_L,1}(\lambda)=B_{11}\bar{x}_{F02_L,1}(\lambda)+B_{12}\bar{y}_{F02_L,1}(\lambda)+B_{13}\bar{z}_{F02_L,1}(\lambda)$
B_{1j} 0,2105 0,8550 −0,0396 λ=570
P60: $\Sigma\bar{l}_{F02_L,1}(\lambda)=21,06$
$x_{F02_L,1}=0,2218$
$y_{F02_L,1}=0,2646$
P60
wavelength λ/nm
CE490−1A_1

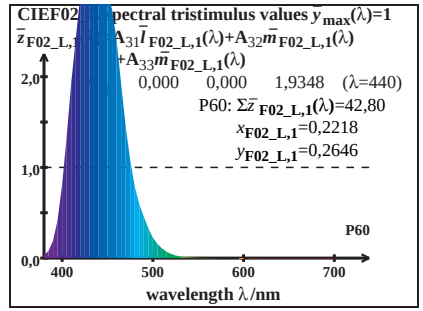

HPE_CIEF cone sensitivity $\bar{y}_{max}(\lambda)=1$
$\bar{m}_{F02_L,1}(\lambda)=B_{21}\bar{x}_{F02_L,1}(\lambda)+B_{22}\bar{y}_{F02_L,1}(\lambda)+B_{23}\bar{z}_{F02_L,1}(\lambda)$
B_{2j} −0,4170 1,1772 0,0786 λ=540
P60: $\Sigma\bar{m}_{F02_L,1}(\lambda)=21,62$
$x_{F02_L,1}=0,2218$
$y_{F02_L,1}=0,2646$
P60
wavelength λ/nm
CE490−2A_1

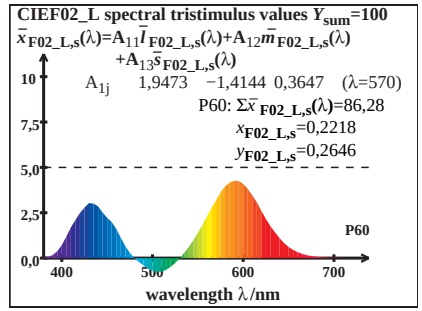

CIEF02_L spectral tristimulus values $\bar{y}_{max}(\lambda)=1$
$\bar{x}_{F02_L,1}(\lambda)=A_{11}\bar{l}_{F02_L,1}(\lambda)+A_{12}\bar{m}_{F02_L,1}(\lambda)+A_{13}\bar{s}_{F02_L,1}(\lambda)$
A_{1j} 1,9473 −1,4144 0,3647 (λ=570)
P60: $\Sigma\bar{x}_{F02_L,1}(\lambda)=18,49$
$x_{F02_L,1}=0,2218$
$y_{F02_L,1}=0,2646$
P60
wavelength λ/nm
CE491−1A_1

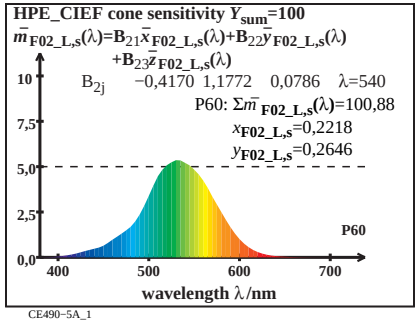

CIEF02_L spectral tristimulus values $\bar{y}_{max}(\lambda)=1$
$\bar{y}_{F02_L,1}(\lambda)=A_{21}\bar{l}_{F02_L,1}(\lambda)+A_{22}\bar{m}_{F02_L,1}(\lambda)+A_{23}\bar{s}_{F02_L,1}(\lambda)$
A_{2j} 0,6899 0,3483 0,000 (λ=540)
P60: $\Sigma\bar{y}_{F02_L,1}(\lambda)=22,06$
$x_{F02_L,1}=0,2218$
$y_{F02_L,1}=0,2646$
P60
wavelength λ/nm
CE491−2A_1

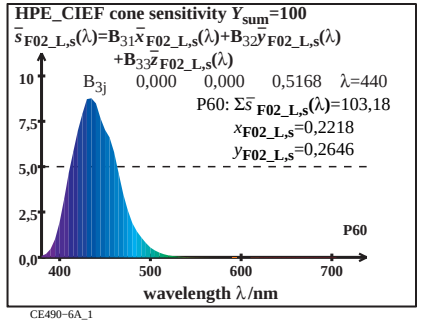

HPE_CIEF cone sensitivity $\bar{y}_{max}(\lambda)=1$
$\bar{s}_{F02_L,1}(\lambda)=B_{31}\bar{x}_{F02_L,1}(\lambda)+B_{32}\bar{y}_{F02_L,1}(\lambda)+B_{33}\bar{z}_{F02_L,1}(\lambda)$
B_{3j} 0,000 0,000 0,5168 λ=440
P60: $\Sigma\bar{s}_{F02_L,1}(\lambda)=22,12$
$x_{F02_L,1}=0,2218$
$y_{F02_L,1}=0,2646$
P60
wavelength λ/nm
CE490−3A_1

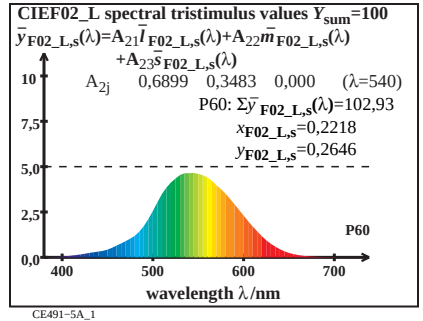

HPE_CIEF cone sensitivity $Y_{sum}=100$
$\bar{l}_{F02_L,s}(\lambda)=B_{11}\bar{x}_{F02_L,s}(\lambda)+B_{12}\bar{y}_{F02_L,s}(\lambda)+B_{13}\bar{z}_{F02_L,s}(\lambda)$
B_{1j} 0,2105 0,8550 −0,0396 λ=570
P60: $\Sigma\bar{l}_{F02_L,s}(\lambda)=98,26$
$x_{F02_L,s}=0,2218$
$y_{F02_L,s}=0,2646$
P60
wavelength λ/nm
CE490−4A_1

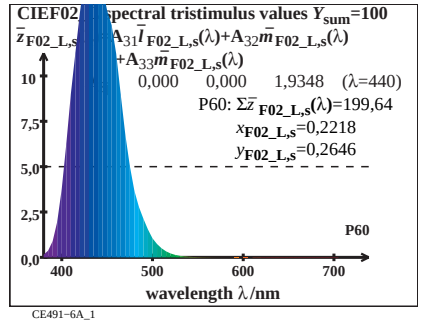

CIEF02 pectral tristimulus values $\bar{y}_{max}(\lambda)=1$
$\bar{z}_{F02_L,}$ $A_{31}\bar{l}_{F02_L,1}(\lambda)+A_{32}\bar{m}_{F02_L,1}(\lambda)+A_{33}\bar{m}_{F02_L,1}(\lambda)$
0,000 0,000 1,9348 (λ=440)
P60: $\Sigma\bar{z}_{F02_L,1}(\lambda)=42,80$
$x_{F02_L,1}=0,2218$
$y_{F02_L,1}=0,2646$
P60
wavelength λ/nm
CE491−3A_1

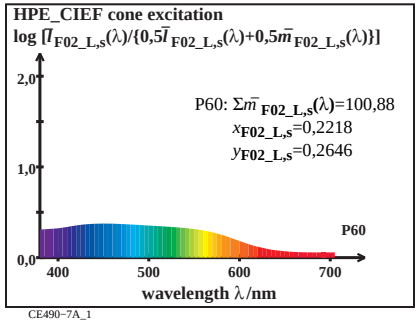

CIEF02_L spectral tristimulus values $Y_{sum}=100$
$\bar{x}_{F02_L,s}(\lambda)=A_{11}\bar{l}_{F02_L,s}(\lambda)+A_{12}\bar{m}_{F02_L,s}(\lambda)+A_{13}\bar{s}_{F02_L,s}(\lambda)$
A_{1j} 1,9473 −1,4144 0,3647 (λ=570)
P60: $\Sigma\bar{x}_{F02_L,s}(\lambda)=86,28$
$x_{F02_L,s}=0,2218$
$y_{F02_L,s}=0,2646$
P60
wavelength λ/nm
CE491−4A_1

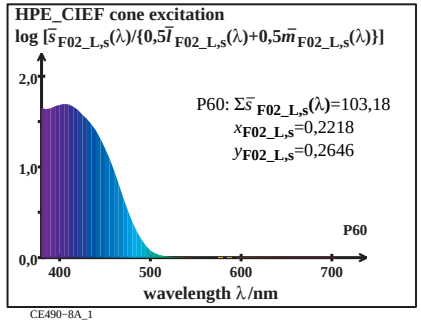

HPE_CIEF cone sensitivity $Y_{sum}=100$
$\bar{m}_{F02_L,s}(\lambda)=B_{21}\bar{x}_{F02_L,s}(\lambda)+B_{22}\bar{y}_{F02_L,s}(\lambda)+B_{23}\bar{z}_{F02_L,s}(\lambda)$
B_{2j} −0,4170 1,1772 0,0786 λ=540
P60: $\Sigma\bar{m}_{F02_L,s}(\lambda)=100,88$
$x_{F02_L,s}=0,2218$
$y_{F02_L,s}=0,2646$
P60
wavelength λ/nm
CE490−5A_1

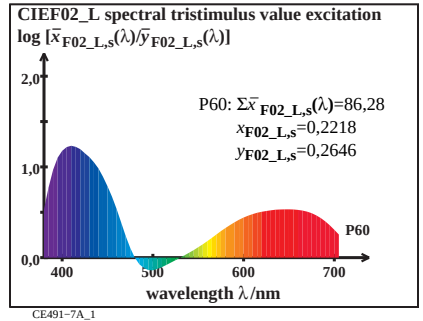

HPE_CIEF cone sensitivity $Y_{sum}=100$
$\bar{s}_{F02_L,s}(\lambda)=B_{31}\bar{x}_{F02_L,s}(\lambda)+B_{32}\bar{y}_{F02_L,s}(\lambda)+B_{33}\bar{z}_{F02_L,s}(\lambda)$
B_{3j} 0,000 0,000 0,5168 λ=440
P60: $\Sigma\bar{s}_{F02_L,s}(\lambda)=103,18$
$x_{F02_L,s}=0,2218$
$y_{F02_L,s}=0,2646$
P60
wavelength λ/nm
CE490−6A_1

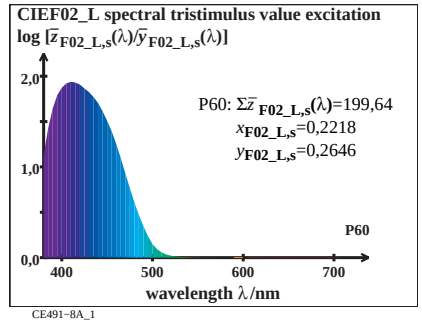

CIEF02_L spectral tristimulus values $Y_{sum}=100$
$\bar{y}_{F02_L,s}(\lambda)=A_{21}\bar{l}_{F02_L,s}(\lambda)+A_{22}\bar{m}_{F02_L,s}(\lambda)+A_{23}\bar{s}_{F02_L,s}(\lambda)$
A_{2j} 0,6899 0,3483 0,000 (λ=540)
P60: $\Sigma\bar{y}_{F02_L,s}(\lambda)=102,93$
$x_{F02_L,s}=0,2218$
$y_{F02_L,s}=0,2646$
P60
wavelength λ/nm
CE491−5A_1


CIEF02 pectral tristimulus values $Y_{sum}=100$
$\bar{z}_{F02_L,s}$ $A_{31}\bar{l}_{F02_L,s}(\lambda)+A_{32}\bar{m}_{F02_L,s}(\lambda)+A_{33}\bar{m}_{F02_L,s}(\lambda)$
0,000 0,000 1,9348 (λ=440)
P60: $\Sigma\bar{z}_{F02_L,s}(\lambda)=199,64$
$x_{F02_L,s}=0,2218$
$y_{F02_L,s}=0,2646$
P60
wavelength λ/nm
CE491−6A_1


HPE_CIEF cone excitation
log $[\bar{l}_{F02_L,s}(\lambda)/\{0,5\bar{l}_{F02_L,s}(\lambda)+0,5\bar{m}_{F02_L,s}(\lambda)\}]$
P60: $\Sigma\bar{m}_{F02_L,s}(\lambda)=100,88$
$x_{F02_L,s}=0,2218$
$y_{F02_L,s}=0,2646$
P60
wavelength λ/nm
CE490−7A_1


HPE_CIEF cone excitation
log $[\bar{s}_{F02_L,s}(\lambda)/\{0,5\bar{l}_{F02_L,s}(\lambda)+0,5\bar{m}_{F02_L,s}(\lambda)\}]$
P60: $\Sigma\bar{s}_{F02_L,s}(\lambda)=103,18$
$x_{F02_L,s}=0,2218$
$y_{F02_L,s}=0,2646$
P60
wavelength λ/nm
CE490−8A_1


CIEF02_L spectral tristimulus value excitation
log $[\bar{x}_{F02_L,s}(\lambda)/\bar{y}_{F02_L,s}(\lambda)]$
P60: $\Sigma\bar{x}_{F02_L,s}(\lambda)=86,28$
$x_{F02_L,s}=0,2218$
$y_{F02_L,s}=0,2646$
P60
wavelength λ/nm
CE491−7A_1


CIEF02_L spectral tristimulus value excitation
log $[\bar{z}_{F02_L,s}(\lambda)/\bar{y}_{F02_L,s}(\lambda)]$
P60: $\Sigma\bar{z}_{F02_L,s}(\lambda)=199,64$
$x_{F02_L,s}=0,2218$
$y_{F02_L,s}=0,2646$
P60
wavelength λ/nm
CE491−8A_1

HPE_CIEF cone sensitivity $\bar{y}_{max}(\lambda)=1$

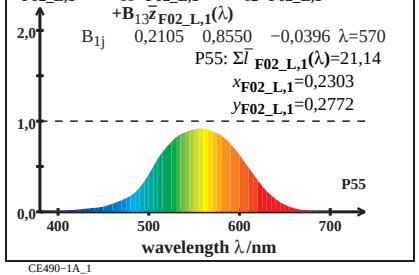
$\bar{l}_{F02_L,1}(\lambda)=B_{11}\bar{x}_{F02_L,1}(\lambda)+B_{12}\bar{y}_{F02_L,1}(\lambda)+B_{13}\bar{z}_{F02_L,1}(\lambda)$

B_{1j} 0,2105 0,8550 −0,0396 λ=570

P55: $\Sigma\bar{l}_{F02_L,1}(\lambda)$=21,14

$x_{F02_L,1}$=0,2303

$y_{F02_L,1}$=0,2772



CE490−1A_1

HPE_CIEF cone sensitivity $\bar{y}_{max}(\lambda)=1$

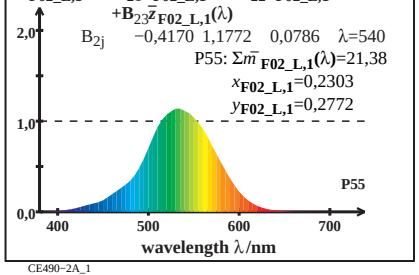
$\bar{m}_{F02_L,1}(\lambda)=B_{21}\bar{x}_{F02_L,1}(\lambda)+B_{22}\bar{y}_{F02_L,1}(\lambda)+B_{23}\bar{z}_{F02_L,1}(\lambda)$

B_{2j} −0,4170 1,1772 0,0786 λ=540

P55: $\Sigma\bar{m}_{F02_L,1}(\lambda)$=21,38

$x_{F02_L,1}$=0,2303

$y_{F02_L,1}$=0,2772



CE490−2A_1

CIEF02_L spectral tristimulus values $\bar{y}_{max}(\lambda)=1$

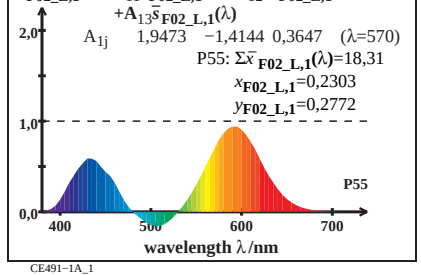
$\bar{x}_{F02_L,1}(\lambda)=A_{11}\bar{l}_{F02_L,1}(\lambda)+A_{12}\bar{m}_{F02_L,1}(\lambda)+A_{13}\bar{s}_{F02_L,1}(\lambda)$

A_{1j} 1,9473 −1,4144 0,3647 (λ=570)

P55: $\Sigma\bar{x}_{F02_L,1}(\lambda)$=18,31

$x_{F02_L,1}$=0,2303

$y_{F02_L,1}$=0,2772



CE491−1A_1

CIEF02_L spectral tristimulus values $\bar{y}_{max}(\lambda)=1$

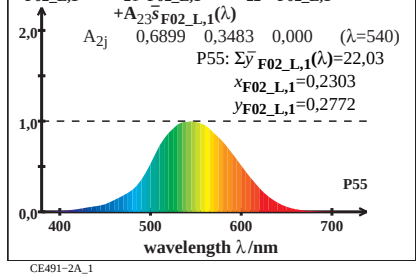
$\bar{y}_{F02_L,1}(\lambda)=A_{21}\bar{l}_{F02_L,1}(\lambda)+A_{22}\bar{m}_{F02_L,1}(\lambda)+A_{23}\bar{s}_{F02_L,1}(\lambda)$

A_{2j} 0,6899 0,3483 0,000 (λ=540)

P55: $\Sigma\bar{y}_{F02_L,1}(\lambda)$=22,03

$x_{F02_L,1}$=0,2303

$y_{F02_L,1}$=0,2772



CE491−2A_1

HPE_CIEF cone sensitivity $\bar{y}_{max}(\lambda)=1$

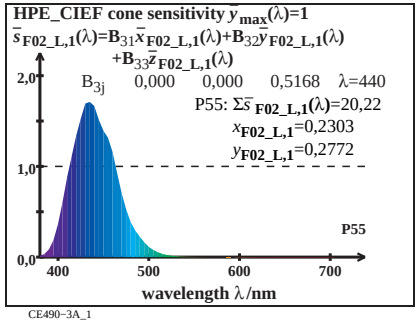
$\bar{s}_{F02_L,1}(\lambda)=B_{31}\bar{x}_{F02_L,1}(\lambda)+B_{32}\bar{y}_{F02_L,1}(\lambda)+B_{33}\bar{z}_{F02_L,1}(\lambda)$

B_{3j} 0,000 0,000 0,5168 λ=440

P55: $\Sigma\bar{s}_{F02_L,1}(\lambda)$=20,22

$x_{F02_L,1}$=0,2303

$y_{F02_L,1}$=0,2772



CE490−3A_1

HPE_CIEF cone sensitivity Y_{sum}=100

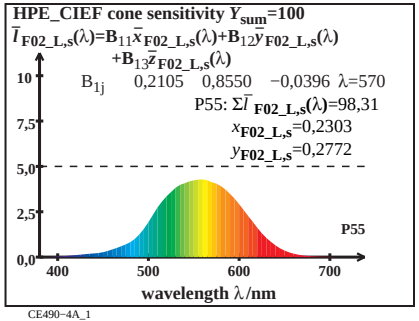
$\bar{l}_{F02_L,s}(\lambda)=B_{11}\bar{x}_{F02_L,s}(\lambda)+B_{12}\bar{y}_{F02_L,s}(\lambda)+B_{13}\bar{z}_{F02_L,s}(\lambda)$

B_{1j} 0,2105 0,8550 −0,0396 λ=570

P55: $\Sigma\bar{l}_{F02_L,s}(\lambda)$=98,31

$x_{F02_L,s}$=0,2303

$y_{F02_L,s}$=0,2772



CE490−4A_1

CIEF02_L spectral tristimulus values $\bar{y}_{max}(\lambda)=1$

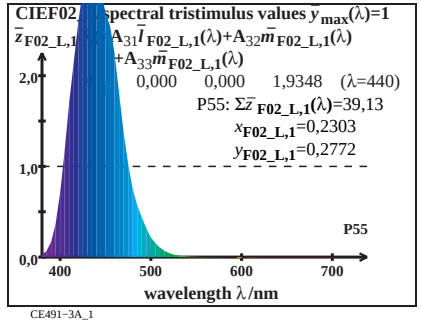
$\bar{z}_{F02_L,1}(\lambda)=A_{31}\bar{l}_{F02_L,1}(\lambda)+A_{32}\bar{m}_{F02_L,1}(\lambda)+A_{33}\bar{m}_{F02_L,1}(\lambda)$

0,000 0,000 1,9348 (λ=440)

P55: $\Sigma\bar{z}_{F02_L,1}(\lambda)$=39,13

$x_{F02_L,1}$=0,2303

$y_{F02_L,1}$=0,2772



CE491−3A_1

CIEF02_L spectral tristimulus values Y_{sum}=100

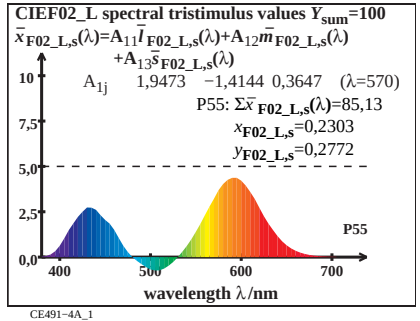
$\bar{x}_{F02_L,s}(\lambda)=A_{11}\bar{l}_{F02_L,s}(\lambda)+A_{12}\bar{m}_{F02_L,s}(\lambda)+A_{13}\bar{s}_{F02_L,s}(\lambda)$

A_{1j} 1,9473 −1,4144 0,3647 (λ=570)

P55: $\Sigma\bar{x}_{F02_L,s}(\lambda)$=85,13

$x_{F02_L,s}$=0,2303

$y_{F02_L,s}$=0,2772



CE491−4A_1

HPE_CIEF cone sensitivity Y_{sum}=100

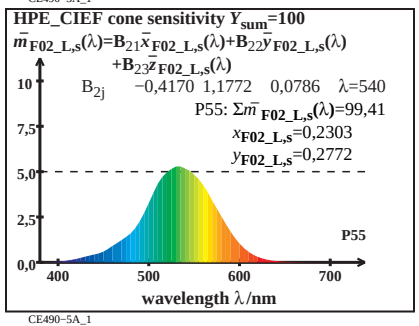
$\bar{m}_{F02_L,s}(\lambda)=B_{21}\bar{x}_{F02_L,s}(\lambda)+B_{22}\bar{y}_{F02_L,s}(\lambda)+B_{23}\bar{z}_{F02_L,s}(\lambda)$

B_{2j} −0,4170 1,1772 0,0786 λ=540

P55: $\Sigma\bar{m}_{F02_L,s}(\lambda)$=99,41

$x_{F02_L,s}$=0,2303

$y_{F02_L,s}$=0,2772



CE490−5A_1

HPE_CIEF cone sensitivity Y_{sum}=100

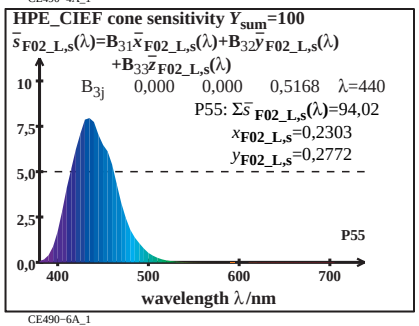
$\bar{s}_{F02_L,s}(\lambda)=B_{31}\bar{x}_{F02_L,s}(\lambda)+B_{32}\bar{y}_{F02_L,s}(\lambda)+B_{33}\bar{z}_{F02_L,s}(\lambda)$

B_{3j} 0,000 0,000 0,5168 λ=440

P55: $\Sigma\bar{s}_{F02_L,s}(\lambda)$=94,02

$x_{F02_L,s}$=0,2303

$y_{F02_L,s}$=0,2772



CE490−6A_1

CIEF02_L spectral tristimulus values Y_{sum}=100

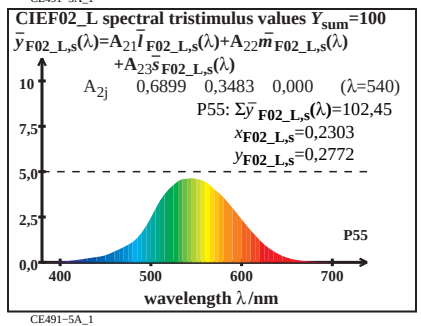
$\bar{y}_{F02_L,s}(\lambda)=A_{21}\bar{l}_{F02_L,s}(\lambda)+A_{22}\bar{m}_{F02_L,s}(\lambda)+A_{23}\bar{s}_{F02_L,s}(\lambda)$

A_{2j} 0,6899 0,3483 0,000 (λ=540)

P55: $\Sigma\bar{y}_{F02_L,s}(\lambda)$=102,45

$x_{F02_L,s}$=0,2303

$y_{F02_L,s}$=0,2772



CE491−5A_1

CIEF02_L spectral tristimulus values Y_{sum}=100

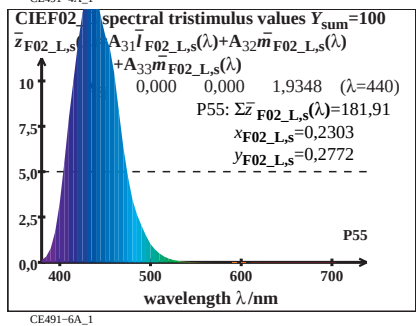
$\bar{z}_{F02_L,s}(\lambda)=A_{31}\bar{l}_{F02_L,s}(\lambda)+A_{32}\bar{m}_{F02_L,s}(\lambda)+A_{33}\bar{m}_{F02_L,s}(\lambda)$

0,000 0,000 1,9348 (λ=440)

P55: $\Sigma\bar{z}_{F02_L,s}(\lambda)$=181,91

$x_{F02_L,s}$=0,2303

$y_{F02_L,s}$=0,2772



CE491−6A_1

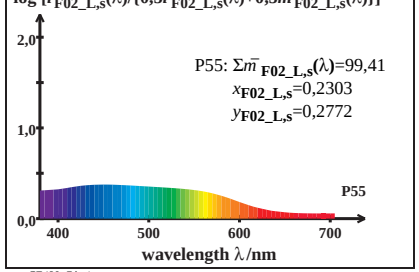
HPE_CIEF cone excitation

log $[\bar{l}_{F02_L,s}(\lambda)/\{0,5\bar{l}_{F02_L,s}(\lambda)+0,5\bar{m}_{F02_L,s}(\lambda)\}]$

P55: $\Sigma\bar{m}_{F02_L,s}(\lambda)$=99,41

$x_{F02_L,s}$=0,2303

$y_{F02_L,s}$=0,2772



CE490−7A_1

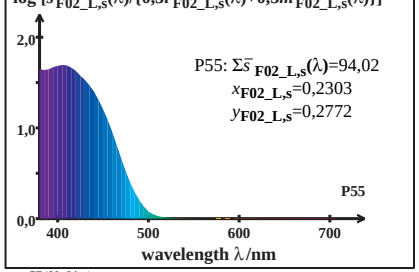
HPE_CIEF cone excitation

log $[\bar{s}_{F02_L,s}(\lambda)/\{0,5\bar{l}_{F02_L,s}(\lambda)+0,5\bar{m}_{F02_L,s}(\lambda)\}]$

P55: $\Sigma\bar{s}_{F02_L,s}(\lambda)$=94,02

$x_{F02_L,s}$=0,2303

$y_{F02_L,s}$=0,2772



CE490−8A_1

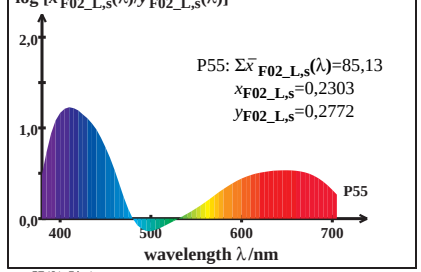
CIEF02_L spectral tristimulus value excitation

log $[\bar{x}_{F02_L,s}(\lambda)/\bar{y}_{F02_L,s}(\lambda)]$

P55: $\Sigma\bar{x}_{F02_L,s}(\lambda)$=85,13

$x_{F02_L,s}$=0,2303

$y_{F02_L,s}$=0,2772



CE491−7A_1

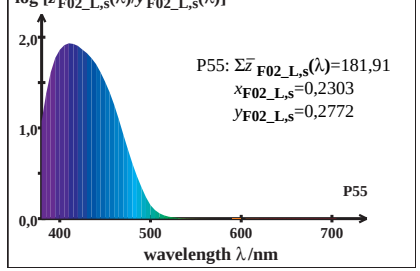
CIEF02_L spectral tristimulus value excitation

log $[\bar{z}_{F02_L,s}(\lambda)/\bar{y}_{F02_L,s}(\lambda)]$

P55: $\Sigma\bar{z}_{F02_L,s}(\lambda)$=181,91

$x_{F02_L,s}$=0,2303

$y_{F02_L,s}$=0,2772



CE491−8A_1

HPE_CIEF cone sensitivity $\bar{y}_{max}(\lambda)=1$

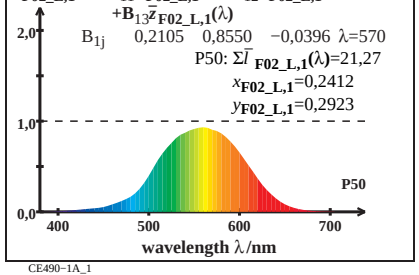
$\bar{l}_{F02_L,1}(\lambda)=B_{11}\bar{x}_{F02_L,1}(\lambda)+B_{12}\bar{y}_{F02_L,1}(\lambda)+B_{13}\bar{z}_{F02_L,1}(\lambda)$

B_{1j} 0,2105 0,8550 −0,0396 λ=570

P50: $\Sigma\bar{l}_{F02_L,1}(\lambda)=21,27$

$x_{F02_L,1}=0,2412$

$y_{F02_L,1}=0,2923$



CE490−1A_1

HPE_CIEF cone sensitivity $\bar{y}_{max}(\lambda)=1$

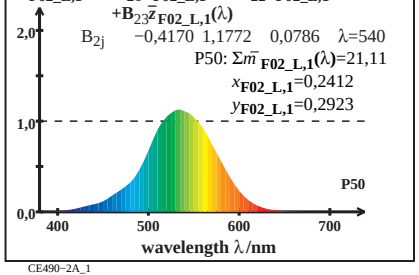
$\bar{m}_{F02_L,1}(\lambda)=B_{21}\bar{x}_{F02_L,1}(\lambda)+B_{22}\bar{y}_{F02_L,1}(\lambda)+B_{23}\bar{z}_{F02_L,1}(\lambda)$

B_{2j} −0,4170 1,1772 0,0786 λ=540

P50: $\Sigma\bar{m}_{F02_L,1}(\lambda)=21,11$

$x_{F02_L,1}=0,2412$

$y_{F02_L,1}=0,2923$



CE490−2A_1

CIEF02_L spectral tristimulus values $\bar{y}_{max}(\lambda)=1$

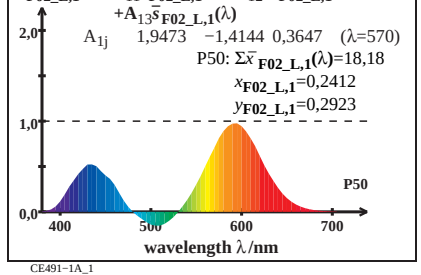
$\bar{x}_{F02_L,1}(\lambda)=A_{11}\bar{l}_{F02_L,1}(\lambda)+A_{12}\bar{m}_{F02_L,1}(\lambda)+A_{13}\bar{s}_{F02_L,1}(\lambda)$

A_{1j} 1,9473 −1,4144 0,3647 (λ=570)

P50: $\Sigma\bar{x}_{F02_L,1}(\lambda)=18,18$

$x_{F02_L,1}=0,2412$

$y_{F02_L,1}=0,2923$



CE491−1A_1

CIEF02_L spectral tristimulus values $\bar{y}_{max}(\lambda)=1$

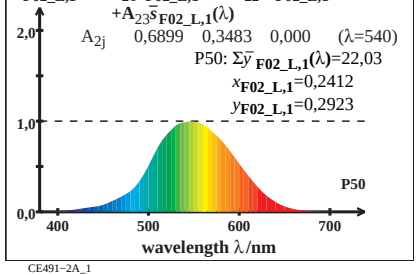
$\bar{y}_{F02_L,1}(\lambda)=A_{21}\bar{l}_{F02_L,1}(\lambda)+A_{22}\bar{m}_{F02_L,1}(\lambda)+A_{23}\bar{s}_{F02_L,1}(\lambda)$

A_{2j} 0,6899 0,3483 0,000 (λ=540)

P50: $\Sigma\bar{y}_{F02_L,1}(\lambda)=22,03$

$x_{F02_L,1}=0,2412$

$y_{F02_L,1}=0,2923$



CE491−2A_1

HPE_CIEF cone sensitivity $\bar{y}_{max}(\lambda)=1$

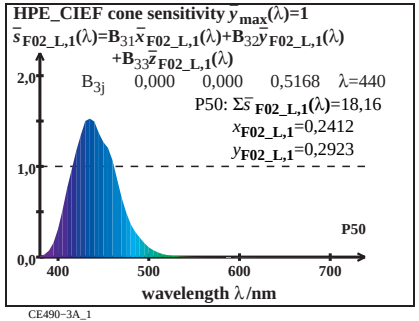
$\bar{s}_{F02_L,1}(\lambda)=B_{31}\bar{x}_{F02_L,1}(\lambda)+B_{32}\bar{y}_{F02_L,1}(\lambda)+B_{33}\bar{z}_{F02_L,1}(\lambda)$

B_{3j} 0,000 0,000 0,5168 λ=440

P50: $\Sigma\bar{s}_{F02_L,1}(\lambda)=18,16$

$x_{F02_L,1}=0,2412$

$y_{F02_L,1}=0,2923$



CE490−3A_1

HPE_CIEF cone sensitivity $Y_{sum}=100$

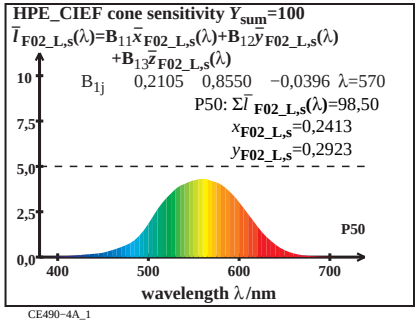
$\bar{l}_{F02_L,s}(\lambda)=B_{11}\bar{x}_{F02_L,s}(\lambda)+B_{12}\bar{y}_{F02_L,s}(\lambda)+B_{13}\bar{z}_{F02_L,s}(\lambda)$

B_{1j} 0,2105 0,8550 −0,0396 λ=570

P50: $\Sigma\bar{l}_{F02_L,s}(\lambda)=98,50$

$x_{F02_L,s}=0,2413$

$y_{F02_L,s}=0,2923$



CE490−4A_1

CIEF02_L spectral tristimulus values $\bar{y}_{max}(\lambda)=1$

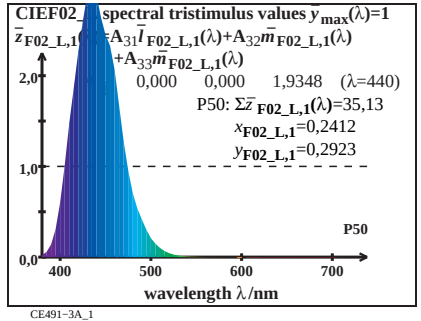
$\bar{z}_{F02_L,1}(\lambda)=A_{31}\bar{l}_{F02_L,1}(\lambda)+A_{32}\bar{m}_{F02_L,1}(\lambda)+A_{33}\bar{m}_{F02_L,1}(\lambda)$

0,000 0,000 1,9348 (λ=440)

P50: $\Sigma\bar{z}_{F02_L,1}(\lambda)=35,13$

$x_{F02_L,1}=0,2412$

$y_{F02_L,1}=0,2923$



CE491−3A_1

CIEF02_L spectral tristimulus values $Y_{sum}=100$

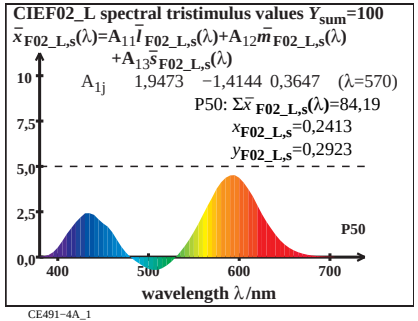
$\bar{x}_{F02_L,s}(\lambda)=A_{11}\bar{l}_{F02_L,s}(\lambda)+A_{12}\bar{m}_{F02_L,s}(\lambda)+A_{13}\bar{s}_{F02_L,s}(\lambda)$

A_{1j} 1,9473 −1,4144 0,3647 (λ=570)

P50: $\Sigma\bar{x}_{F02_L,s}(\lambda)=84,19$

$x_{F02_L,s}=0,2413$

$y_{F02_L,s}=0,2923$



CE491−4A_1

HPE_CIEF cone sensitivity $Y_{sum}=100$

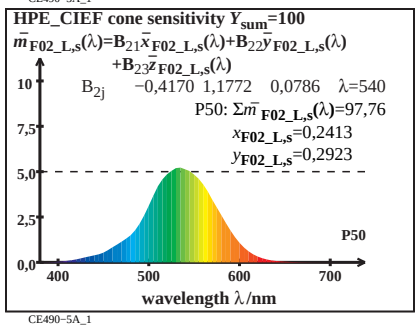
$\bar{m}_{F02_L,s}(\lambda)=B_{21}\bar{x}_{F02_L,s}(\lambda)+B_{22}\bar{y}_{F02_L,s}(\lambda)+B_{23}\bar{z}_{F02_L,s}(\lambda)$

B_{2j} −0,4170 1,1772 0,0786 λ=540

P50: $\Sigma\bar{m}_{F02_L,s}(\lambda)=97,76$

$x_{F02_L,s}=0,2413$

$y_{F02_L,s}=0,2923$



CE490−5A_1

HPE_CIEF cone sensitivity $Y_{sum}=100$

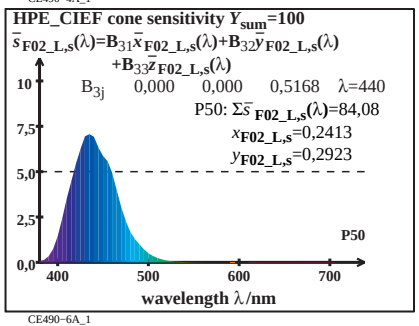
$\bar{s}_{F02_L,s}(\lambda)=B_{31}\bar{x}_{F02_L,s}(\lambda)+B_{32}\bar{y}_{F02_L,s}(\lambda)+B_{33}\bar{z}_{F02_L,s}(\lambda)$

B_{3j} 0,000 0,000 0,5168 λ=440

P50: $\Sigma\bar{s}_{F02_L,s}(\lambda)=84,08$

$x_{F02_L,s}=0,2413$

$y_{F02_L,s}=0,2923$



CE490−6A_1

CIEF02_L spectral tristimulus values $Y_{sum}=100$

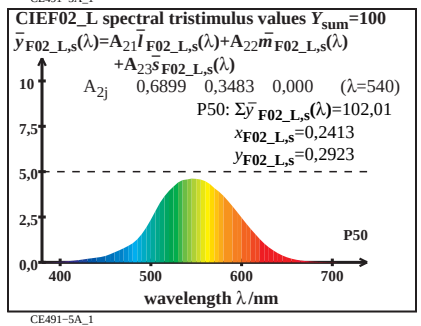
$\bar{y}_{F02_L,s}(\lambda)=A_{21}\bar{l}_{F02_L,s}(\lambda)+A_{22}\bar{m}_{F02_L,s}(\lambda)+A_{23}\bar{s}_{F02_L,s}(\lambda)$

A_{2j} 0,6899 0,3483 0,000 (λ=540)

P50: $\Sigma\bar{y}_{F02_L,s}(\lambda)=102,01$

$x_{F02_L,s}=0,2413$

$y_{F02_L,s}=0,2923$



CE491−5A_1

CIEF02_L spectral tristimulus values $Y_{sum}=100$

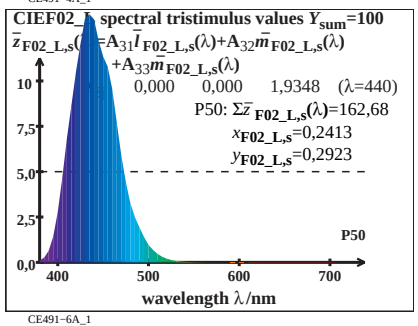
$\bar{z}_{F02_L,s}(\lambda)=A_{31}\bar{l}_{F02_L,s}(\lambda)+A_{32}\bar{m}_{F02_L,s}(\lambda)+A_{33}\bar{m}_{F02_L,s}(\lambda)$

0,000 0,000 1,9348 (λ=440)

P50: $\Sigma\bar{z}_{F02_L,s}(\lambda)=162,68$

$x_{F02_L,s}=0,2413$

$y_{F02_L,s}=0,2923$



CE491−6A_1

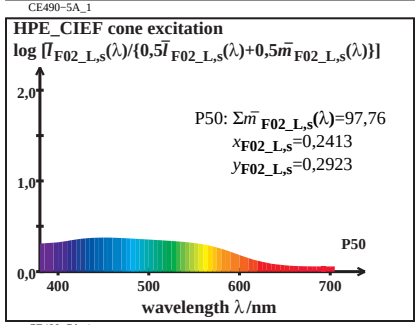
HPE_CIEF cone excitation

$\log[\bar{l}_{F02_L,s}(\lambda)/\{0,5\bar{l}_{F02_L,s}(\lambda)+0,5\bar{m}_{F02_L,s}(\lambda)\}]$

P50: $\Sigma\bar{m}_{F02_L,s}(\lambda)=97,76$

$x_{F02_L,s}=0,2413$

$y_{F02_L,s}=0,2923$



CE490−7A_1

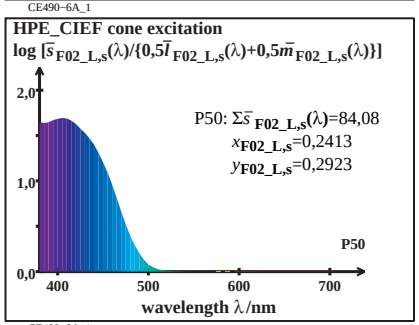
HPE_CIEF cone excitation

$\log[\bar{s}_{F02_L,s}(\lambda)/\{0,5\bar{l}_{F02_L,s}(\lambda)+0,5\bar{m}_{F02_L,s}(\lambda)\}]$

P50: $\Sigma\bar{s}_{F02_L,s}(\lambda)=84,08$

$x_{F02_L,s}=0,2413$

$y_{F02_L,s}=0,2923$



CE490−8A_1

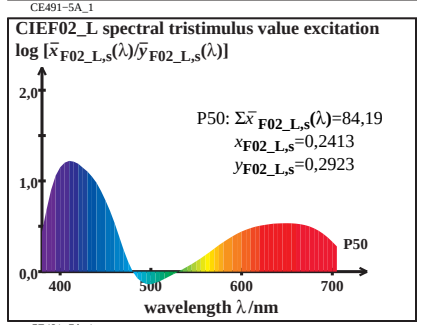
CIEF02_L spectral tristimulus value excitation

$\log[\bar{x}_{F02_L,s}(\lambda)/\bar{y}_{F02_L,s}(\lambda)]$

P50: $\Sigma\bar{x}_{F02_L,s}(\lambda)=84,19$

$x_{F02_L,s}=0,2413$

$y_{F02_L,s}=0,2923$



CE491−7A_1

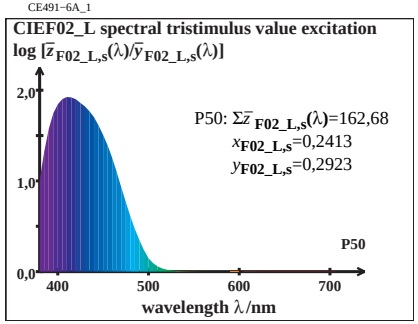
CIEF02_L spectral tristimulus value excitation

$\log[\bar{z}_{F02_L,s}(\lambda)/\bar{y}_{F02_L,s}(\lambda)]$

P50: $\Sigma\bar{z}_{F02_L,s}(\lambda)=162,68$

$x_{F02_L,s}=0,2413$

$y_{F02_L,s}=0,2923$



CE491−8A_1

CE490−7R

HPE_CIEF cone sensitivity $\bar{y}_{max}(\lambda)=1$

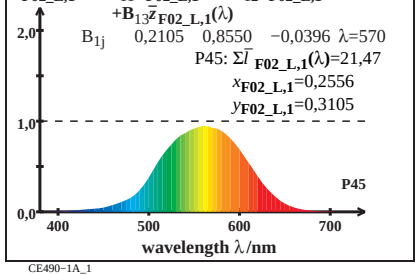
$\bar{l}_{F02_L,1}(\lambda)=B_{11}\bar{x}_{F02_L,1}(\lambda)+B_{12}\bar{y}_{F02_L,1}(\lambda)+B_{13}\bar{z}_{F02_L,1}(\lambda)$

B_{1j} 0,2105 0,8550 −0,0396 λ=570

P45: $\Sigma\bar{l}_{F02_L,1}(\lambda)=21,47$

$x_{F02_L,1}=0,2556$

$y_{F02_L,1}=0,3105$



CE490−1A_1

HPE_CIEF cone sensitivity $\bar{y}_{max}(\lambda)=1$

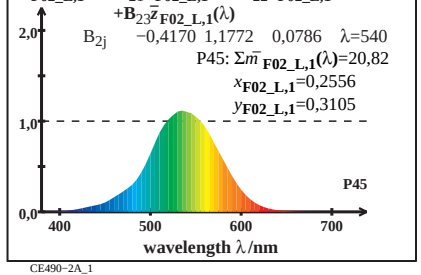
$\bar{m}_{F02_L,1}(\lambda)=B_{21}\bar{x}_{F02_L,1}(\lambda)+B_{22}\bar{y}_{F02_L,1}(\lambda)+B_{23}\bar{z}_{F02_L,1}(\lambda)$

B_{2j} −0,4170 1,1772 0,0786 λ=540

P45: $\Sigma\bar{m}_{F02_L,1}(\lambda)=20,82$

$x_{F02_L,1}=0,2556$

$y_{F02_L,1}=0,3105$



CE490−2A_1

CIEF02_L spectral tristimulus values $\bar{y}_{max}(\lambda)=1$

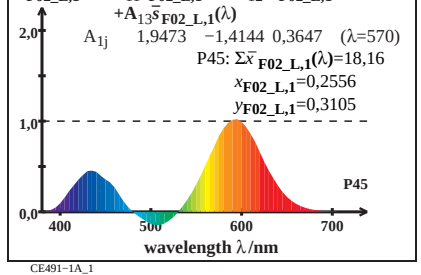
$\bar{x}_{F02_L,1}(\lambda)=A_{11}\bar{l}_{F02_L,1}(\lambda)+A_{12}\bar{m}_{F02_L,1}(\lambda)+A_{13}\bar{s}_{F02_L,1}(\lambda)$

A_{1j} 1,9473 −1,4144 0,3647 (λ=570)

P45: $\Sigma\bar{x}_{F02_L,1}(\lambda)=18,16$

$x_{F02_L,1}=0,2556$

$y_{F02_L,1}=0,3105$



CE491−1A_1

CIEF02_L spectral tristimulus values $\bar{y}_{max}(\lambda)=1$

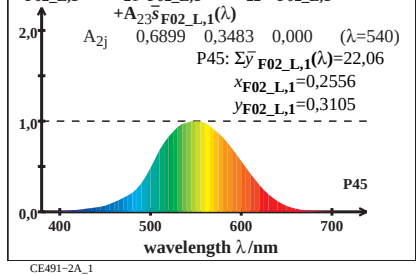
$\bar{y}_{F02_L,1}(\lambda)=A_{21}\bar{l}_{F02_L,1}(\lambda)+A_{22}\bar{m}_{F02_L,1}(\lambda)+A_{23}\bar{s}_{F02_L,1}(\lambda)$

A_{2j} 0,6899 0,3483 0,000 (λ=540)

P45: $\Sigma\bar{y}_{F02_L,1}(\lambda)=22,06$

$x_{F02_L,1}=0,2556$

$y_{F02_L,1}=0,3105$



CE491−2A_1

HPE_CIEF cone sensitivity $\bar{y}_{max}(\lambda)=1$

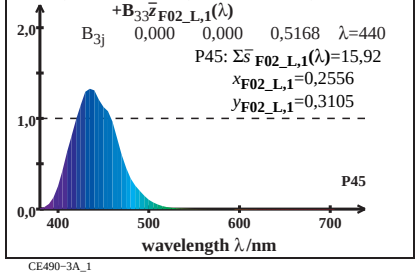
$\bar{s}_{F02_L,1}(\lambda)=B_{31}\bar{x}_{F02_L,1}(\lambda)+B_{32}\bar{y}_{F02_L,1}(\lambda)+B_{33}\bar{z}_{F02_L,1}(\lambda)$

B_{3j} 0,000 0,000 0,5168 λ=440

P45: $\Sigma\bar{s}_{F02_L,1}(\lambda)=15,92$

$x_{F02_L,1}=0,2556$

$y_{F02_L,1}=0,3105$



CE490−3A_1

HPE_CIEF cone sensitivity $Y_{sum}=100$

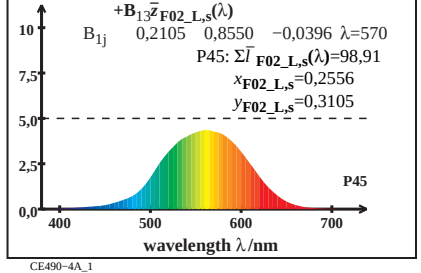
$\bar{l}_{F02_L,s}(\lambda)=B_{11}\bar{x}_{F02_L,s}(\lambda)+B_{12}\bar{y}_{F02_L,s}(\lambda)+B_{13}\bar{z}_{F02_L,s}(\lambda)$

B_{1j} 0,2105 0,8550 −0,0396 λ=570

P45: $\Sigma\bar{l}_{F02_L,s}(\lambda)=98,91$

$x_{F02_L,s}=0,2556$

$y_{F02_L,s}=0,3105$



CE490−4A_1

CIEF02_L spectral tristimulus values $\bar{y}_{max}(\lambda)=1$

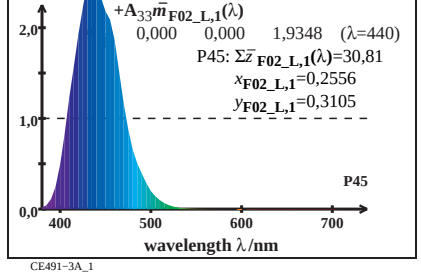
$\bar{z}_{F02_L,1}(\lambda)=A_{31}\bar{l}_{F02_L,1}(\lambda)+A_{32}\bar{m}_{F02_L,1}(\lambda)+A_{33}\bar{m}_{F02_L,1}(\lambda)$

0,000 0,000 1,9348 (λ=440)

P45: $\Sigma\bar{z}_{F02_L,1}(\lambda)=30,81$

$x_{F02_L,1}=0,2556$

$y_{F02_L,1}=0,3105$



CE491−3A_1

CIEF02_L spectral tristimulus values $Y_{sum}=100$

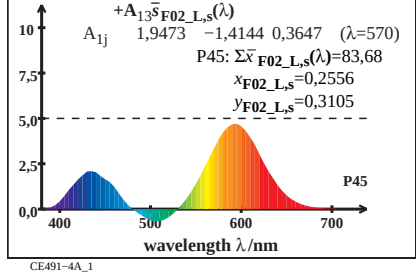
$\bar{x}_{F02_L,s}(\lambda)=A_{11}\bar{l}_{F02_L,s}(\lambda)+A_{12}\bar{m}_{F02_L,s}(\lambda)+A_{13}\bar{s}_{F02_L,s}(\lambda)$

A_{1j} 1,9473 −1,4144 0,3647 (λ=570)

P45: $\Sigma\bar{x}_{F02_L,s}(\lambda)=83,68$

$x_{F02_L,s}=0,2556$

$y_{F02_L,s}=0,3105$



CE491−4A_1

HPE_CIEF cone sensitivity $Y_{sum}=100$

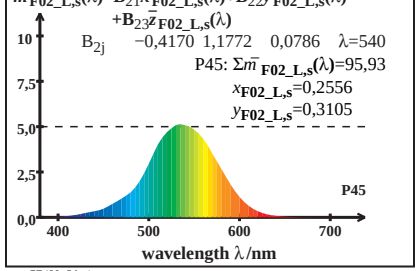
$\bar{m}_{F02_L,s}(\lambda)=B_{21}\bar{x}_{F02_L,s}(\lambda)+B_{22}\bar{y}_{F02_L,s}(\lambda)+B_{23}\bar{z}_{F02_L,s}(\lambda)$

B_{2j} −0,4170 1,1772 0,0786 λ=540

P45: $\Sigma\bar{m}_{F02_L,s}(\lambda)=95,93$

$x_{F02_L,s}=0,2556$

$y_{F02_L,s}=0,3105$



CE490−5A_1

HPE_CIEF cone sensitivity $Y_{sum}=100$

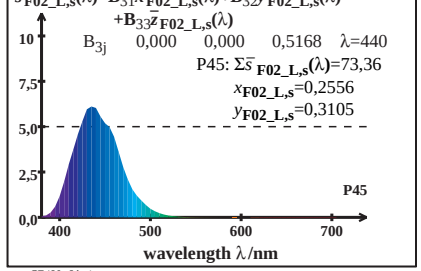
$\bar{s}_{F02_L,s}(\lambda)=B_{31}\bar{x}_{F02_L,s}(\lambda)+B_{32}\bar{y}_{F02_L,s}(\lambda)+B_{33}\bar{z}_{F02_L,s}(\lambda)$

B_{3j} 0,000 0,000 0,5168 λ=440

P45: $\Sigma\bar{s}_{F02_L,s}(\lambda)=73,36$

$x_{F02_L,s}=0,2556$

$y_{F02_L,s}=0,3105$



CE490−6A_1

CIEF02_L spectral tristimulus values $Y_{sum}=100$

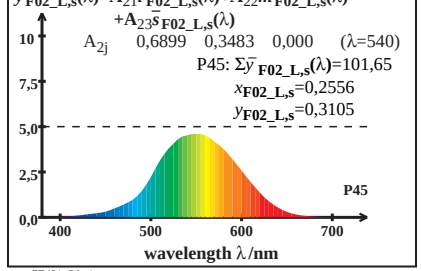
$\bar{y}_{F02_L,s}(\lambda)=A_{21}\bar{l}_{F02_L,s}(\lambda)+A_{22}\bar{m}_{F02_L,s}(\lambda)+A_{23}\bar{s}_{F02_L,s}(\lambda)$

A_{2j} 0,6899 0,3483 0,000 (λ=540)

P45: $\Sigma\bar{y}_{F02_L,s}(\lambda)=101,65$

$x_{F02_L,s}=0,2556$

$y_{F02_L,s}=0,3105$



CE491−5A_1

CIEF02_L spectral tristimulus values $Y_{sum}=100$

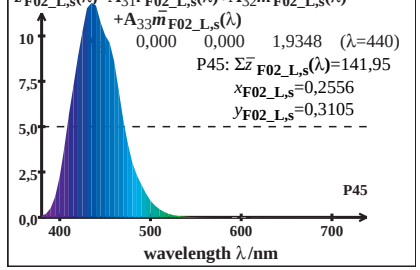
$\bar{z}_{F02_L,s}(\lambda)=A_{31}\bar{l}_{F02_L,s}(\lambda)+A_{32}\bar{m}_{F02_L,s}(\lambda)+A_{33}\bar{m}_{F02_L,s}(\lambda)$

0,000 0,000 1,9348 (λ=440)

P45: $\Sigma\bar{z}_{F02_L,s}(\lambda)=141,95$

$x_{F02_L,s}=0,2556$

$y_{F02_L,s}=0,3105$



CE491−6A_1

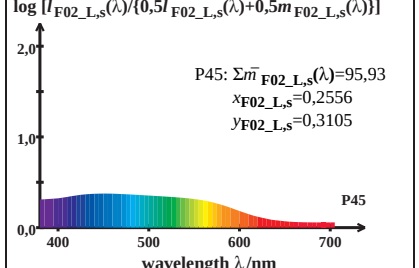
HPE_CIEF cone excitation

$\log[\bar{l}_{F02_L,s}(\lambda)/\{0,5\bar{l}_{F02_L,s}(\lambda)+0,5\bar{m}_{F02_L,s}(\lambda)\}]$

P45: $\Sigma\bar{m}_{F02_L,s}(\lambda)=95,93$

$x_{F02_L,s}=0,2556$

$y_{F02_L,s}=0,3105$



CE490−7A_1

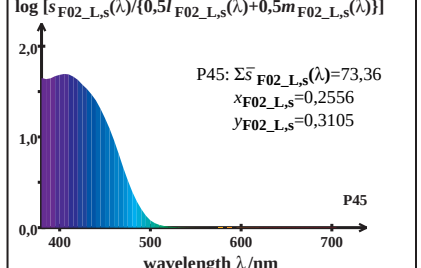
HPE_CIEF cone excitation

$\log[\bar{s}_{F02_L,s}(\lambda)/\{0,5\bar{l}_{F02_L,s}(\lambda)+0,5\bar{m}_{F02_L,s}(\lambda)\}]$

P45: $\Sigma\bar{s}_{F02_L,s}(\lambda)=73,36$

$x_{F02_L,s}=0,2556$

$y_{F02_L,s}=0,3105$



CE490−8A_1

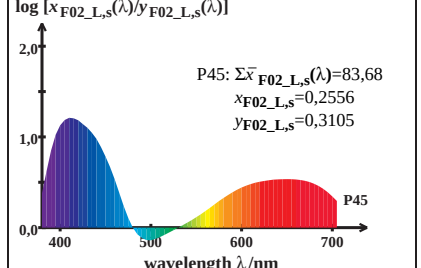
CIEF02_L spectral tristimulus value excitation

$\log[\bar{x}_{F02_L,s}(\lambda)/\bar{y}_{F02_L,s}(\lambda)]$

P45: $\Sigma\bar{x}_{F02_L,s}(\lambda)=83,68$

$x_{F02_L,s}=0,2556$

$y_{F02_L,s}=0,3105$



CE491−7A_1

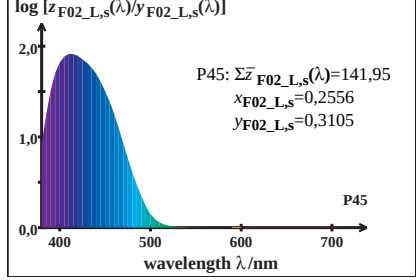
CIEF02_L spectral tristimulus value excitation

$\log[\bar{z}_{F02_L,s}(\lambda)/\bar{y}_{F02_L,s}(\lambda)]$

P45: $\Sigma\bar{z}_{F02_L,s}(\lambda)=141,95$

$x_{F02_L,s}=0,2556$

$y_{F02_L,s}=0,3105$



CE491−8A_1

CE490−7R

HPE_CIEF cone sensitivity $\bar{y}_{max}(\lambda)=1$

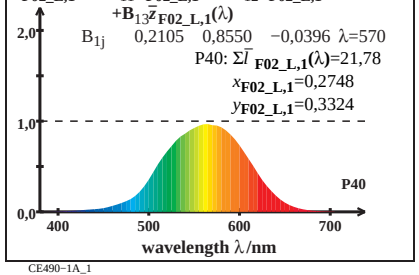
$\bar{l}_{F02_L,1}(\lambda)=B_{11}\bar{x}_{F02_L,1}(\lambda)+B_{12}\bar{y}_{F02_L,1}(\lambda)+B_{13}\bar{z}_{F02_L,1}(\lambda)$

B_{1j} 0,2105 0,8550 −0,0396 λ=570

P40: $\Sigma\bar{l}_{F02_L,1}(\lambda)=21,78$

$x_{F02_L,1}=0,2748$

$y_{F02_L,1}=0,3324$



CE490−1A_1

HPE_CIEF cone sensitivity $\bar{y}_{max}(\lambda)=1$

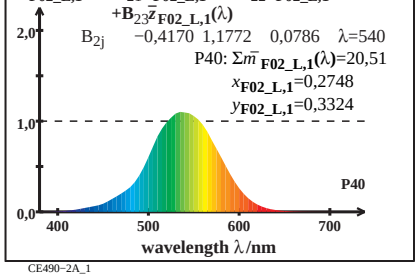
$\bar{m}_{F02_L,1}(\lambda)=B_{21}\bar{x}_{F02_L,1}(\lambda)+B_{22}\bar{y}_{F02_L,1}(\lambda)+B_{23}\bar{z}_{F02_L,1}(\lambda)$

B_{2j} −0,4170 1,1772 0,0786 λ=540

P40: $\Sigma\bar{m}_{F02_L,1}(\lambda)=20,51$

$x_{F02_L,1}=0,2748$

$y_{F02_L,1}=0,3324$



CE490−2A_1

CIEF02_L spectral tristimulus values $\bar{y}_{max}(\lambda)=1$

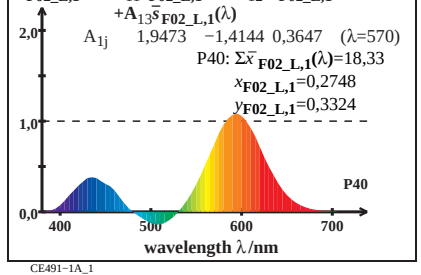
$\bar{x}_{F02_L,1}(\lambda)=A_{11}\bar{l}_{F02_L,1}(\lambda)+A_{12}\bar{m}_{F02_L,1}(\lambda)+A_{13}\bar{s}_{F02_L,1}(\lambda)$

A_{1j} 1,9473 −1,4144 0,3647 (λ=570)

P40: $\Sigma\bar{x}_{F02_L,1}(\lambda)=18,33$

$x_{F02_L,1}=0,2748$

$y_{F02_L,1}=0,3324$



CE491−1A_1

CIEF02_L spectral tristimulus values $\bar{y}_{max}(\lambda)=1$

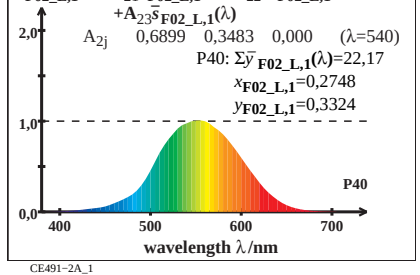
$\bar{y}_{F02_L,1}(\lambda)=A_{21}\bar{l}_{F02_L,1}(\lambda)+A_{22}\bar{m}_{F02_L,1}(\lambda)+A_{23}\bar{s}_{F02_L,1}(\lambda)$

A_{2j} 0,6899 0,3483 0,000 (λ=540)

P40: $\Sigma\bar{y}_{F02_L,1}(\lambda)=22,17$

$x_{F02_L,1}=0,2748$

$y_{F02_L,1}=0,3324$



CE491−2A_1

HPE_CIEF cone sensitivity $\bar{y}_{max}(\lambda)=1$

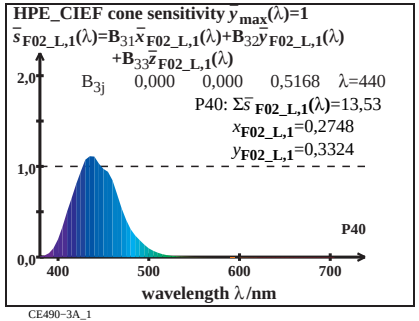
$\bar{s}_{F02_L,1}(\lambda)=B_{31}\bar{x}_{F02_L,1}(\lambda)+B_{32}\bar{y}_{F02_L,1}(\lambda)+B_{33}\bar{z}_{F02_L,1}(\lambda)$

B_{3j} 0,000 0,000 0,5168 λ=440

P40: $\Sigma\bar{s}_{F02_L,1}(\lambda)=13,53$

$x_{F02_L,1}=0,2748$

$y_{F02_L,1}=0,3324$



CE490−3A_1

HPE_CIEF cone sensitivity $Y_{sum}=100$

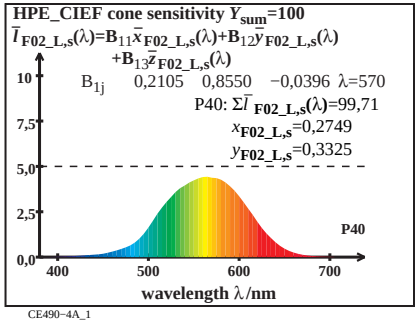
$\bar{l}_{F02_L,s}(\lambda)=B_{11}\bar{x}_{F02_L,s}(\lambda)+B_{12}\bar{y}_{F02_L,s}(\lambda)+B_{13}\bar{z}_{F02_L,s}(\lambda)$

B_{1j} 0,2105 0,8550 −0,0396 λ=570

P40: $\Sigma\bar{l}_{F02_L,s}(\lambda)=99,71$

$x_{F02_L,s}=0,2749$

$y_{F02_L,s}=0,3325$



CE490−4A_1

CIEF02_L spectral tristimulus values $\bar{y}_{max}(\lambda)=1$

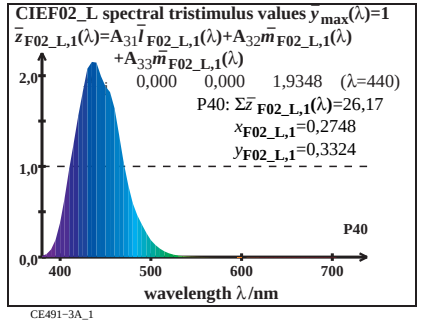
$\bar{z}_{F02_L,1}(\lambda)=A_{31}\bar{l}_{F02_L,1}(\lambda)+A_{32}\bar{m}_{F02_L,1}(\lambda)+A_{33}\bar{m}_{F02_L,1}(\lambda)$

0,000 0,000 1,9348 (λ=440)

P40: $\Sigma\bar{z}_{F02_L,1}(\lambda)=26,17$

$x_{F02_L,1}=0,2748$

$y_{F02_L,1}=0,3324$



CE491−3A_1

CIEF02_L spectral tristimulus values $Y_{sum}=100$

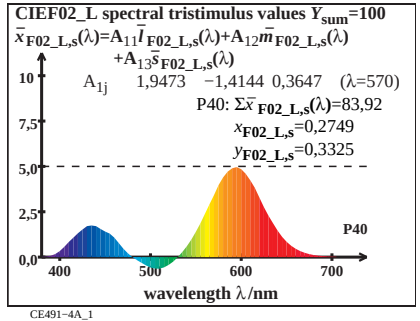
$\bar{x}_{F02_L,s}(\lambda)=A_{11}\bar{l}_{F02_L,s}(\lambda)+A_{12}\bar{m}_{F02_L,s}(\lambda)+A_{13}\bar{s}_{F02_L,s}(\lambda)$

A_{1j} 1,9473 −1,4144 0,3647 (λ=570)

P40: $\Sigma\bar{x}_{F02_L,s}(\lambda)=83,92$

$x_{F02_L,s}=0,2749$

$y_{F02_L,s}=0,3325$



CE491−4A_1

HPE_CIEF cone sensitivity $Y_{sum}=100$

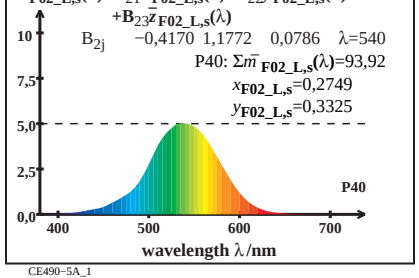
$\bar{m}_{F02_L,s}(\lambda)=B_{21}\bar{x}_{F02_L,s}(\lambda)+B_{22}\bar{y}_{F02_L,s}(\lambda)+B_{23}\bar{z}_{F02_L,s}(\lambda)$

B_{2j} −0,4170 1,1772 0,0786 λ=540

P40: $\Sigma\bar{m}_{F02_L,s}(\lambda)=93,92$

$x_{F02_L,s}=0,2749$

$y_{F02_L,s}=0,3325$



CE490−5A_1

HPE_CIEF cone sensitivity $Y_{sum}=100$

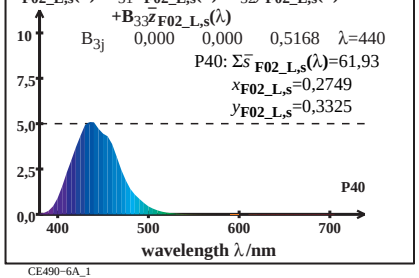
$\bar{s}_{F02_L,s}(\lambda)=B_{31}\bar{x}_{F02_L,s}(\lambda)+B_{32}\bar{y}_{F02_L,s}(\lambda)+B_{33}\bar{z}_{F02_L,s}(\lambda)$

B_{3j} 0,000 0,000 0,5168 λ=440

P40: $\Sigma\bar{s}_{F02_L,s}(\lambda)=61,93$

$x_{F02_L,s}=0,2749$

$y_{F02_L,s}=0,3325$



CE490−6A_1

CIEF02_L spectral tristimulus values $Y_{sum}=100$

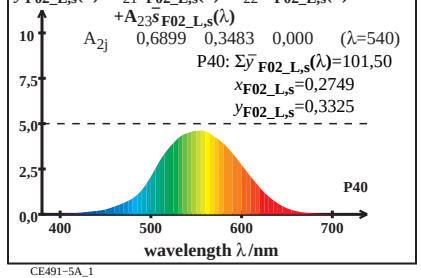
$\bar{y}_{F02_L,s}(\lambda)=A_{21}\bar{l}_{F02_L,s}(\lambda)+A_{22}\bar{m}_{F02_L,s}(\lambda)+A_{23}\bar{s}_{F02_L,s}(\lambda)$

A_{2j} 0,6899 0,3483 0,000 (λ=540)

P40: $\Sigma\bar{y}_{F02_L,s}(\lambda)=101,50$

$x_{F02_L,s}=0,2749$

$y_{F02_L,s}=0,3325$



CE491−5A_1

CIEF02_L spectral tristimulus values $Y_{sum}=100$

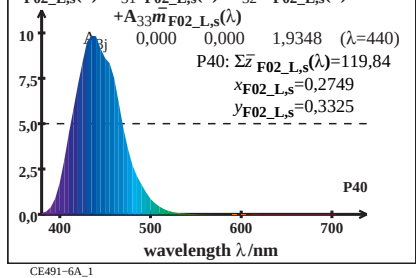
$\bar{z}_{F02_L,s}(\lambda)=A_{31}\bar{l}_{F02_L,s}(\lambda)+A_{32}\bar{m}_{F02_L,s}(\lambda)+A_{33}\bar{m}_{F02_L,s}(\lambda)$

A_{3j} 0,000 0,000 1,9348 (λ=440)

P40: $\Sigma\bar{z}_{F02_L,s}(\lambda)=119,84$

$x_{F02_L,s}=0,2749$

$y_{F02_L,s}=0,3325$



CE491−6A_1

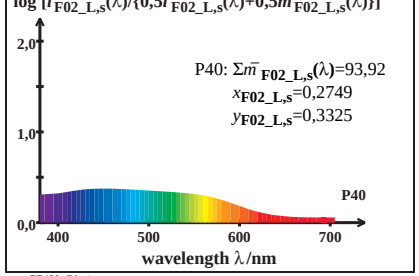
HPE_CIEF cone excitation

$\log[\bar{l}_{F02_L,s}(\lambda)/\{0,5\bar{l}_{F02_L,s}(\lambda)+0,5\bar{m}_{F02_L,s}(\lambda)\}]$

P40: $\Sigma\bar{m}_{F02_L,s}(\lambda)=93,92$

$x_{F02_L,s}=0,2749$

$y_{F02_L,s}=0,3325$



CE490−7A_1

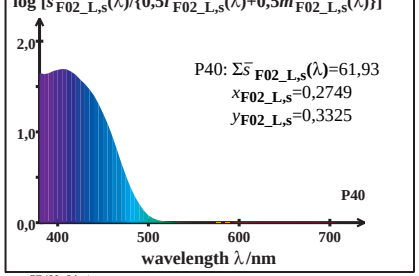
HPE_CIEF cone excitation

$\log[\bar{s}_{F02_L,s}(\lambda)/\{0,5\bar{l}_{F02_L,s}(\lambda)+0,5\bar{m}_{F02_L,s}(\lambda)\}]$

P40: $\Sigma\bar{s}_{F02_L,s}(\lambda)=61,93$

$x_{F02_L,s}=0,2749$

$y_{F02_L,s}=0,3325$



CE490−8A_1

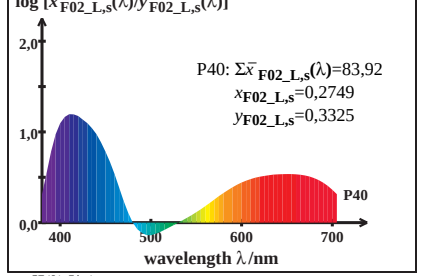
CIEF02_L spectral tristimulus value excitation

$\log[\bar{x}_{F02_L,s}(\lambda)/\bar{y}_{F02_L,s}(\lambda)]$

P40: $\Sigma\bar{x}_{F02_L,s}(\lambda)=83,92$

$x_{F02_L,s}=0,2749$

$y_{F02_L,s}=0,3325$



CE491−7A_1

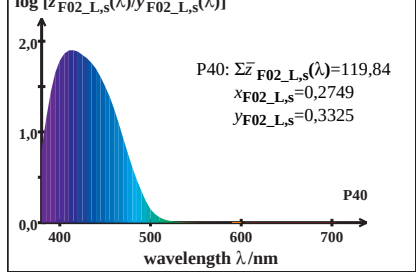
CIEF02_L spectral tristimulus value excitation

$\log[\bar{z}_{F02_L,s}(\lambda)/\bar{y}_{F02_L,s}(\lambda)]$

P40: $\Sigma\bar{z}_{F02_L,s}(\lambda)=119,84$

$x_{F02_L,s}=0,2749$

$y_{F02_L,s}=0,3325$



CE491−8A_1

CE490−7R

HPE_CIEF cone sensitivity $\bar{y}_{max}(\lambda)=1$

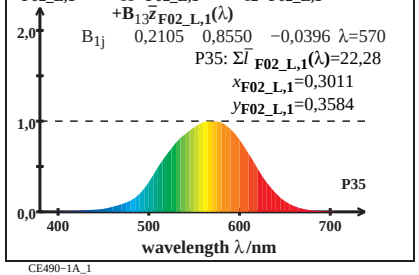
$\bar{l}_{F02_L,1}(\lambda)=B_{11}\bar{x}_{F02_L,1}(\lambda)+B_{12}\bar{y}_{F02_L,1}(\lambda)+B_{13}\bar{z}_{F02_L,1}(\lambda)$

B_{1j} 0,2105 0,8550 −0,0396 λ=570

P35: $\Sigma\bar{l}_{F02_L,1}(\lambda)=22{,}28$

$x_{F02_L,1}=0{,}3011$

$y_{F02_L,1}=0{,}3584$



CE490−1A_1

HPE_CIEF cone sensitivity $\bar{y}_{max}(\lambda)=1$

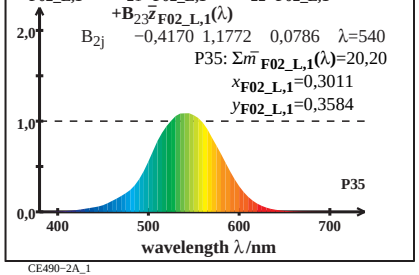
$\bar{m}_{F02_L,1}(\lambda)=B_{21}\bar{x}_{F02_L,1}(\lambda)+B_{22}\bar{y}_{F02_L,1}(\lambda)+B_{23}\bar{z}_{F02_L,1}(\lambda)$

B_{2j} −0,4170 1,1772 0,0786 λ=540

P35: $\Sigma\bar{m}_{F02_L,1}(\lambda)=20{,}20$

$x_{F02_L,1}=0{,}3011$

$y_{F02_L,1}=0{,}3584$



CE490−2A_1

CIEF02_L spectral tristimulus values $\bar{y}_{max}(\lambda)=1$

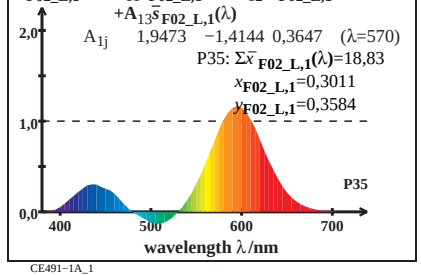
$\bar{x}_{F02_L,1}(\lambda)=A_{11}\bar{l}_{F02_L,1}(\lambda)+A_{12}\bar{m}_{F02_L,1}(\lambda)+A_{13}\bar{s}_{F02_L,1}(\lambda)$

A_{1j} 1,9473 −1,4144 0,3647 (λ=570)

P35: $\Sigma\bar{x}_{F02_L,1}(\lambda)=18{,}83$

$x_{F02_L,1}=0{,}3011$

$y_{F02_L,1}=0{,}3584$



CE491−1A_1

CIEF02_L spectral tristimulus values $\bar{y}_{max}(\lambda)=1$

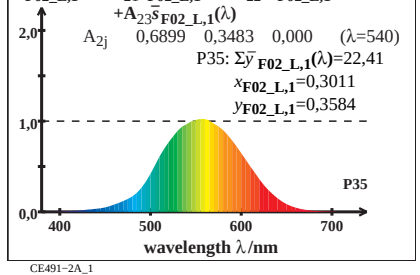
$\bar{y}_{F02_L,1}(\lambda)=A_{21}\bar{l}_{F02_L,1}(\lambda)+A_{22}\bar{m}_{F02_L,1}(\lambda)+A_{23}\bar{s}_{F02_L,1}(\lambda)$

A_{2j} 0,6899 0,3483 0,000 (λ=540)

P35: $\Sigma\bar{y}_{F02_L,1}(\lambda)=22{,}41$

$x_{F02_L,1}=0{,}3011$

$y_{F02_L,1}=0{,}3584$



CE491−2A_1

HPE_CIEF cone sensitivity $\bar{y}_{max}(\lambda)=1$

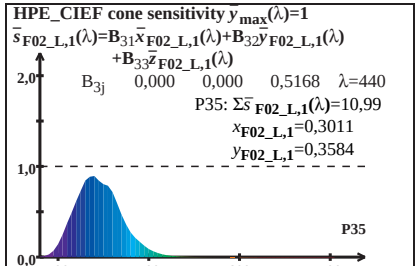
$\bar{s}_{F02_L,1}(\lambda)=B_{31}\bar{x}_{F02_L,1}(\lambda)+B_{32}\bar{y}_{F02_L,1}(\lambda)+B_{33}\bar{z}_{F02_L,1}(\lambda)$

B_{3j} 0,000 0,000 0,5168 λ=440

P35: $\Sigma\bar{s}_{F02_L,1}(\lambda)=10{,}99$

$x_{F02_L,1}=0{,}3011$

$y_{F02_L,1}=0{,}3584$



CE490−3A_1

HPE_CIEF cone sensitivity $Y_{sum}=100$

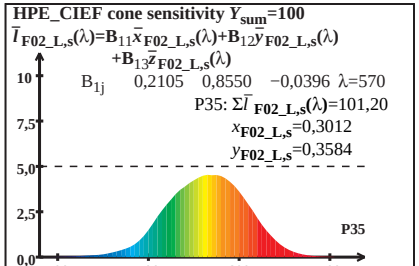
$\bar{l}_{F02_L,s}(\lambda)=B_{11}\bar{x}_{F02_L,s}(\lambda)+B_{12}\bar{y}_{F02_L,s}(\lambda)+B_{13}\bar{z}_{F02_L,s}(\lambda)$

B_{1j} 0,2105 0,8550 −0,0396 λ=570

P35: $\Sigma\bar{l}_{F02_L,s}(\lambda)=101{,}20$

$x_{F02_L,s}=0{,}3012$

$y_{F02_L,s}=0{,}3584$



CE490−4A_1

CIEF02_L spectral tristimulus values $\bar{y}_{max}(\lambda)=1$

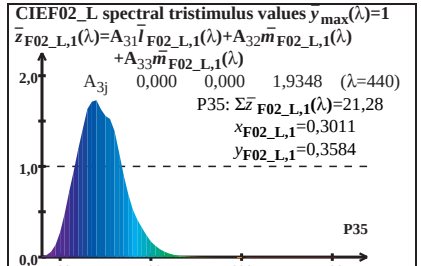
$\bar{z}_{F02_L,1}(\lambda)=A_{31}\bar{l}_{F02_L,1}(\lambda)+A_{32}\bar{m}_{F02_L,1}(\lambda)+A_{33}\bar{m}_{F02_L,1}(\lambda)$

A_{3j} 0,000 0,000 1,9348 (λ=440)

P35: $\Sigma\bar{z}_{F02_L,1}(\lambda)=21{,}28$

$x_{F02_L,1}=0{,}3011$

$y_{F02_L,1}=0{,}3584$



CE491−3A_1

CIEF02_L spectral tristimulus values $Y_{sum}=100$

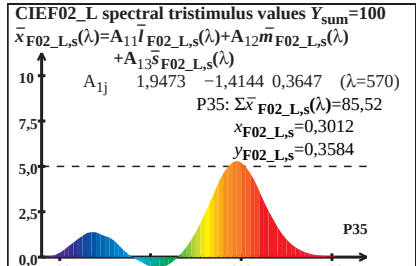
$\bar{x}_{F02_L,s}(\lambda)=A_{11}\bar{l}_{F02_L,s}(\lambda)+A_{12}\bar{m}_{F02_L,s}(\lambda)+A_{13}\bar{s}_{F02_L,s}(\lambda)$

A_{1j} 1,9473 −1,4144 0,3647 (λ=570)

P35: $\Sigma\bar{x}_{F02_L,s}(\lambda)=85{,}52$

$x_{F02_L,s}=0{,}3012$

$y_{F02_L,s}=0{,}3584$



CE491−4A_1

HPE_CIEF cone sensitivity $Y_{sum}=100$

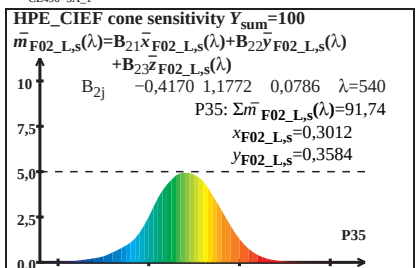
$\bar{m}_{F02_L,s}(\lambda)=B_{21}\bar{x}_{F02_L,s}(\lambda)+B_{22}\bar{y}_{F02_L,s}(\lambda)+B_{23}\bar{z}_{F02_L,s}(\lambda)$

B_{2j} −0,4170 1,1772 0,0786 λ=540

P35: $\Sigma\bar{m}_{F02_L,s}(\lambda)=91{,}74$

$x_{F02_L,s}=0{,}3012$

$y_{F02_L,s}=0{,}3584$



CE490−5A_1

HPE_CIEF cone sensitivity $Y_{sum}=100$

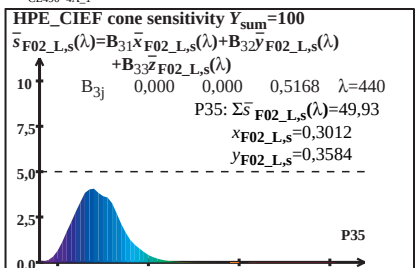
$\bar{s}_{F02_L,s}(\lambda)=B_{31}\bar{x}_{F02_L,s}(\lambda)+B_{32}\bar{y}_{F02_L,s}(\lambda)+B_{33}\bar{z}_{F02_L,s}(\lambda)$

B_{3j} 0,000 0,000 0,5168 λ=440

P35: $\Sigma\bar{s}_{F02_L,s}(\lambda)=49{,}93$

$x_{F02_L,s}=0{,}3012$

$y_{F02_L,s}=0{,}3584$



CE490−6A_1

CIEF02_L spectral tristimulus values $Y_{sum}=100$

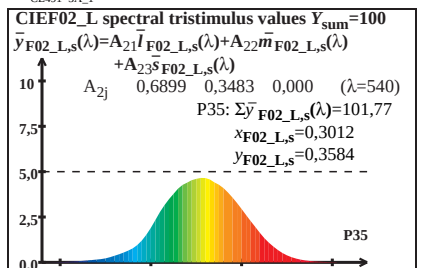
$\bar{y}_{F02_L,s}(\lambda)=A_{21}\bar{l}_{F02_L,s}(\lambda)+A_{22}\bar{m}_{F02_L,s}(\lambda)+A_{23}\bar{s}_{F02_L,s}(\lambda)$

A_{2j} 0,6899 0,3483 0,000 (λ=540)

P35: $\Sigma\bar{y}_{F02_L,s}(\lambda)=101{,}77$

$x_{F02_L,s}=0{,}3012$

$y_{F02_L,s}=0{,}3584$



CE491−5A_1

CIEF02_L spectral tristimulus values $Y_{sum}=100$

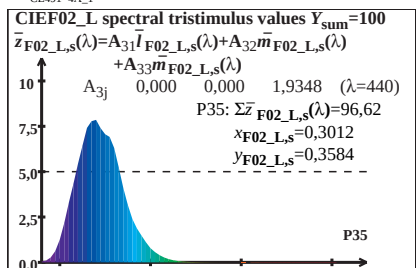
$\bar{z}_{F02_L,s}(\lambda)=A_{31}\bar{l}_{F02_L,s}(\lambda)+A_{32}\bar{m}_{F02_L,s}(\lambda)+A_{33}\bar{m}_{F02_L,s}(\lambda)$

A_{3j} 0,000 0,000 1,9348 (λ=440)

P35: $\Sigma\bar{z}_{F02_L,s}(\lambda)=96{,}62$

$x_{F02_L,s}=0{,}3012$

$y_{F02_L,s}=0{,}3584$



CE491−6A_1

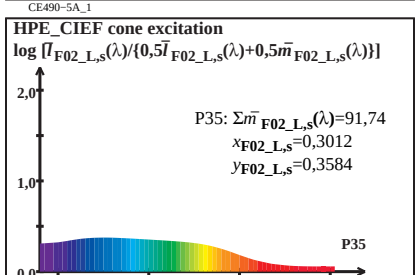
HPE_CIEF cone excitation

$\log[\bar{l}_{F02_L,s}(\lambda)/\{0{,}5\bar{l}_{F02_L,s}(\lambda)+0{,}5\bar{m}_{F02_L,s}(\lambda)\}]$

P35: $\Sigma\bar{m}_{F02_L,s}(\lambda)=91{,}74$

$x_{F02_L,s}=0{,}3012$

$y_{F02_L,s}=0{,}3584$



CE490−7A_1

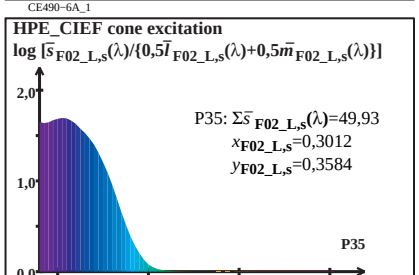
HPE_CIEF cone excitation

$\log[\bar{s}_{F02_L,s}(\lambda)/\{0{,}5\bar{l}_{F02_L,s}(\lambda)+0{,}5\bar{m}_{F02_L,s}(\lambda)\}]$

P35: $\Sigma\bar{s}_{F02_L,s}(\lambda)=49{,}93$

$x_{F02_L,s}=0{,}3012$

$y_{F02_L,s}=0{,}3584$



CE490−8A_1

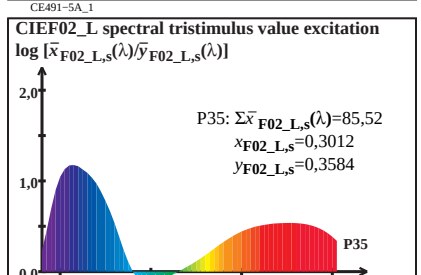
CIEF02_L spectral tristimulus value excitation

$\log[\bar{x}_{F02_L,s}(\lambda)/\bar{y}_{F02_L,s}(\lambda)]$

P35: $\Sigma\bar{x}_{F02_L,s}(\lambda)=85{,}52$

$x_{F02_L,s}=0{,}3012$

$y_{F02_L,s}=0{,}3584$



CE491−7A_1

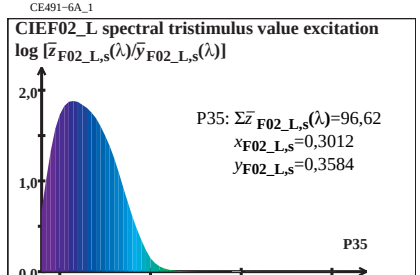
CIEF02_L spectral tristimulus value excitation

$\log[\bar{z}_{F02_L,s}(\lambda)/\bar{y}_{F02_L,s}(\lambda)]$

P35: $\Sigma\bar{z}_{F02_L,s}(\lambda)=96{,}62$

$x_{F02_L,s}=0{,}3012$

$y_{F02_L,s}=0{,}3584$



CE491−8A_1

HPE_CIEF cone sensitivity $\bar{y}_{max}(\lambda)=1$

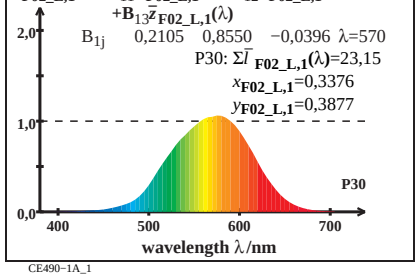
$\bar{l}_{F02_L,1}(\lambda)=B_{11}\bar{x}_{F02_L,1}(\lambda)+B_{12}\bar{y}_{F02_L,1}(\lambda)+B_{13}\bar{z}_{F02_L,1}(\lambda)$

B_{1j} 0,2105 0,8550 −0,0396 λ=570

P30: $\Sigma\bar{l}_{F02_L,1}(\lambda)$=23,15

$x_{F02_L,1}$=0,3376

$y_{F02_L,1}$=0,3877



CE490−1A_1

HPE_CIEF cone sensitivity $\bar{y}_{max}(\lambda)=1$

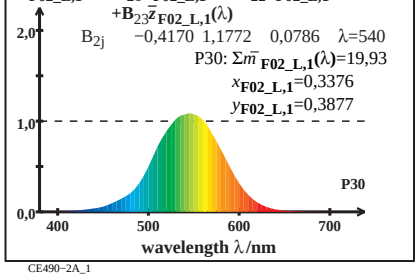
$\bar{m}_{F02_L,1}(\lambda)=B_{21}\bar{x}_{F02_L,1}(\lambda)+B_{22}\bar{y}_{F02_L,1}(\lambda)+B_{23}\bar{z}_{F02_L,1}(\lambda)$

B_{2j} −0,4170 1,1772 0,0786 λ=540

P30: $\Sigma\bar{m}_{F02_L,1}(\lambda)$=19,93

$x_{F02_L,1}$=0,3376

$y_{F02_L,1}$=0,3877



CE490−2A_1

CIEF02_L spectral tristimulus values $\bar{y}_{max}(\lambda)=1$

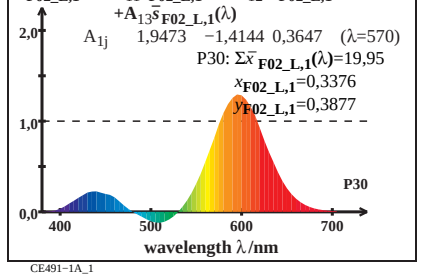
$\bar{x}_{F02_L,1}(\lambda)=A_{11}\bar{l}_{F02_L,1}(\lambda)+A_{12}\bar{m}_{F02_L,1}(\lambda)+A_{13}\bar{s}_{F02_L,1}(\lambda)$

A_{1j} 1,9473 −1,4144 0,3647 (λ=570)

P30: $\Sigma\bar{x}_{F02_L,1}(\lambda)$=19,95

$x_{F02_L,1}$=0,3376

$y_{F02_L,1}$=0,3877



CE491−1A_1

CIEF02_L spectral tristimulus values $\bar{y}_{max}(\lambda)=1$

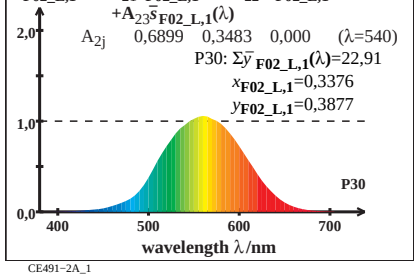
$\bar{y}_{F02_L,1}(\lambda)=A_{21}\bar{l}_{F02_L,1}(\lambda)+A_{22}\bar{m}_{F02_L,1}(\lambda)+A_{23}\bar{s}_{F02_L,1}(\lambda)$

A_{2j} 0,6899 0,3483 0,000 (λ=540)

P30: $\Sigma\bar{y}_{F02_L,1}(\lambda)$=22,91

$x_{F02_L,1}$=0,3376

$y_{F02_L,1}$=0,3877



CE491−2A_1

HPE_CIEF cone sensitivity $\bar{y}_{max}(\lambda)=1$

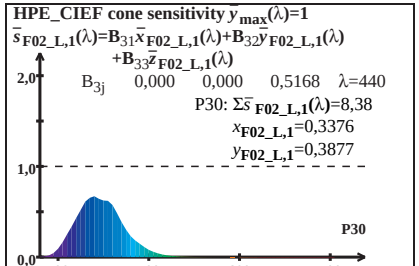
$\bar{s}_{F02_L,1}(\lambda)=B_{31}\bar{x}_{F02_L,1}(\lambda)+B_{32}\bar{y}_{F02_L,1}(\lambda)+B_{33}\bar{z}_{F02_L,1}(\lambda)$

B_{3j} 0,000 0,000 0,5168 λ=440

P30: $\Sigma\bar{s}_{F02_L,1}(\lambda)$=8,38

$x_{F02_L,1}$=0,3376

$y_{F02_L,1}$=0,3877



CE490−3A_1

HPE_CIEF cone sensitivity Y_{sum}=100

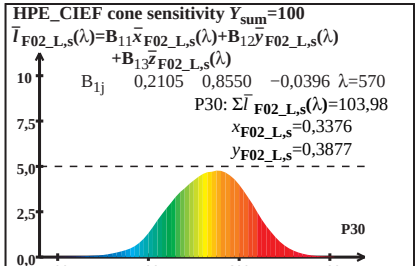
$\bar{l}_{F02_L,s}(\lambda)=B_{11}\bar{x}_{F02_L,s}(\lambda)+B_{12}\bar{y}_{F02_L,s}(\lambda)+B_{13}\bar{z}_{F02_L,s}(\lambda)$

B_{1j} 0,2105 0,8550 −0,0396 λ=570

P30: $\Sigma\bar{l}_{F02_L,s}(\lambda)$=103,98

$x_{F02_L,s}$=0,3376

$y_{F02_L,s}$=0,3877



CE490−4A_1

CIEF02_L spectral tristimulus values $\bar{y}_{max}(\lambda)=1$

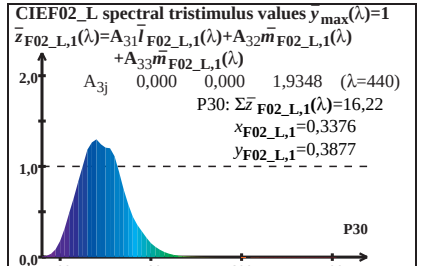
$\bar{z}_{F02_L,1}(\lambda)=A_{31}\bar{l}_{F02_L,1}(\lambda)+A_{32}\bar{m}_{F02_L,1}(\lambda)+A_{33}\bar{m}_{F02_L,1}(\lambda)$

A_{3j} 0,000 0,000 1,9348 (λ=440)

P30: $\Sigma\bar{z}_{F02_L,1}(\lambda)$=16,22

$x_{F02_L,1}$=0,3376

$y_{F02_L,1}$=0,3877



CE491−3A_1

CIEF02_L spectral tristimulus values Y_{sum}=100

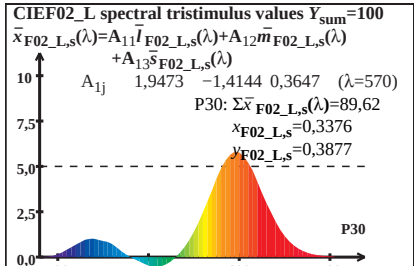
$\bar{x}_{F02_L,s}(\lambda)=A_{11}\bar{l}_{F02_L,s}(\lambda)+A_{12}\bar{m}_{F02_L,s}(\lambda)+A_{13}\bar{s}_{F02_L,s}(\lambda)$

A_{1j} 1,9473 −1,4144 0,3647 (λ=570)

P30: $\Sigma\bar{x}_{F02_L,s}(\lambda)$=89,62

$x_{F02_L,s}$=0,3376

$y_{F02_L,s}$=0,3877



CE491−4A_1

HPE_CIEF cone sensitivity Y_{sum}=100

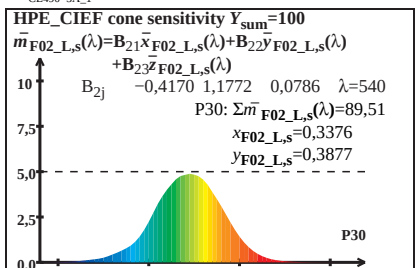
$\bar{m}_{F02_L,s}(\lambda)=B_{21}\bar{x}_{F02_L,s}(\lambda)+B_{22}\bar{y}_{F02_L,s}(\lambda)+B_{23}\bar{z}_{F02_L,s}(\lambda)$

B_{2j} −0,4170 1,1772 0,0786 λ=540

P30: $\Sigma\bar{m}_{F02_L,s}(\lambda)$=89,51

$x_{F02_L,s}$=0,3376

$y_{F02_L,s}$=0,3877



CE490−5A_1

HPE_CIEF cone sensitivity Y_{sum}=100

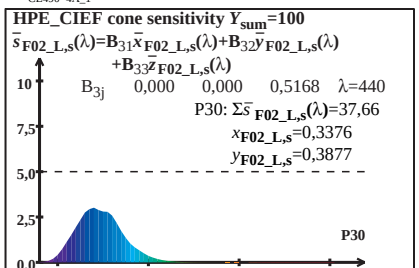
$\bar{s}_{F02_L,s}(\lambda)=B_{31}\bar{x}_{F02_L,s}(\lambda)+B_{32}\bar{y}_{F02_L,s}(\lambda)+B_{33}\bar{z}_{F02_L,s}(\lambda)$

B_{3j} 0,000 0,000 0,5168 λ=440

P30: $\Sigma\bar{s}_{F02_L,s}(\lambda)$=37,66

$x_{F02_L,s}$=0,3376

$y_{F02_L,s}$=0,3877



CE490−6A_1

CIEF02_L spectral tristimulus values Y_{sum}=100

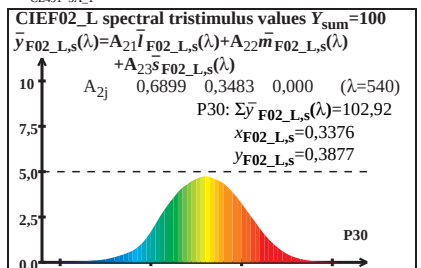
$\bar{y}_{F02_L,s}(\lambda)=A_{21}\bar{l}_{F02_L,s}(\lambda)+A_{22}\bar{m}_{F02_L,s}(\lambda)+A_{23}\bar{s}_{F02_L,s}(\lambda)$

A_{2j} 0,6899 0,3483 0,000 (λ=540)

P30: $\Sigma\bar{y}_{F02_L,s}(\lambda)$=102,92

$x_{F02_L,s}$=0,3376

$y_{F02_L,s}$=0,3877



CE491−5A_1

CIEF02_L spectral tristimulus values Y_{sum}=100

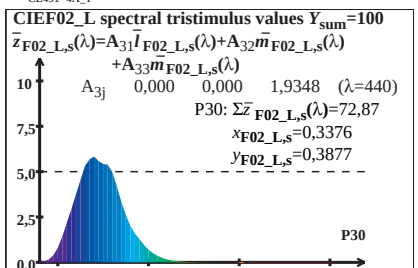
$\bar{z}_{F02_L,s}(\lambda)=A_{31}\bar{l}_{F02_L,s}(\lambda)+A_{32}\bar{m}_{F02_L,s}(\lambda)+A_{33}\bar{m}_{F02_L,s}(\lambda)$

A_{3j} 0,000 0,000 1,9348 (λ=440)

P30: $\Sigma\bar{z}_{F02_L,s}(\lambda)$=72,87

$x_{F02_L,s}$=0,3376

$y_{F02_L,s}$=0,3877



CE491−6A_1

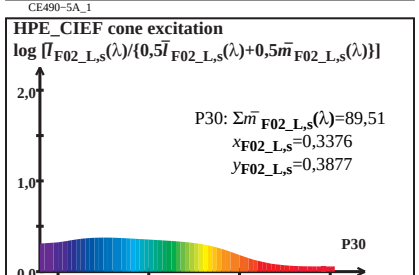
HPE_CIEF cone excitation

$\log[\bar{l}_{F02_L,s}(\lambda)/\{0,5\bar{l}_{F02_L,s}(\lambda)+0,5\bar{m}_{F02_L,s}(\lambda)\}]$

P30: $\Sigma\bar{m}_{F02_L,s}(\lambda)$=89,51

$x_{F02_L,s}$=0,3376

$y_{F02_L,s}$=0,3877



CE490−7A_1

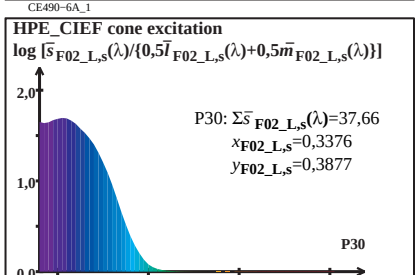
HPE_CIEF cone excitation

$\log[\bar{s}_{F02_L,s}(\lambda)/\{0,5\bar{l}_{F02_L,s}(\lambda)+0,5\bar{m}_{F02_L,s}(\lambda)\}]$

P30: $\Sigma\bar{s}_{F02_L,s}(\lambda)$=37,66

$x_{F02_L,s}$=0,3376

$y_{F02_L,s}$=0,3877



CE490−8A_1

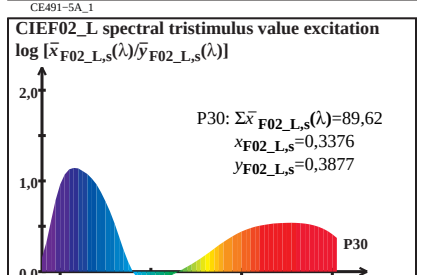
CIEF02_L spectral tristimulus value excitation

$\log[\bar{x}_{F02_L,s}(\lambda)/\bar{y}_{F02_L,s}(\lambda)]$

P30: $\Sigma\bar{x}_{F02_L,s}(\lambda)$=89,62

$x_{F02_L,s}$=0,3376

$y_{F02_L,s}$=0,3877



CE491−7A_1

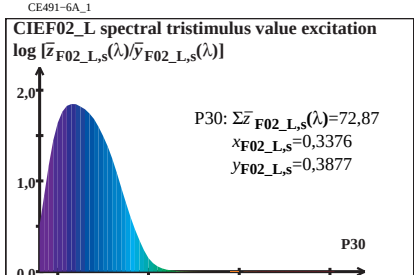
CIEF02_L spectral tristimulus value excitation

$\log[\bar{z}_{F02_L,s}(\lambda)/\bar{y}_{F02_L,s}(\lambda)]$

P30: $\Sigma\bar{z}_{F02_L,s}(\lambda)$=72,87

$x_{F02_L,s}$=0,3376

$y_{F02_L,s}$=0,3877



CE491−8A_1

HPE_CIEF cone sensitivity $\bar{y}_{max}(\lambda)=1$

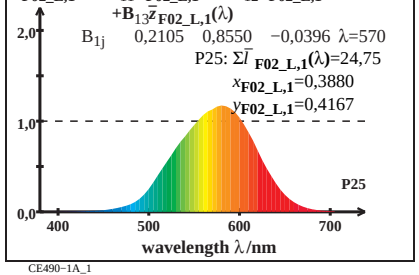
$\bar{l}_{F02_L,1}(\lambda)=B_{11}\bar{x}_{F02_L,1}(\lambda)+B_{12}\bar{y}_{F02_L,1}(\lambda)+B_{13}\bar{z}_{F02_L,1}(\lambda)$

B_{1j} 0,2105 0,8550 −0,0396 λ=570

P25: $\Sigma\bar{l}_{F02_L,1}(\lambda)=24,75$

$x_{F02_L,1}=0,3880$

$y_{F02_L,1}=0,4167$



CE490−1A_1

HPE_CIEF cone sensitivity $\bar{y}_{max}(\lambda)=1$

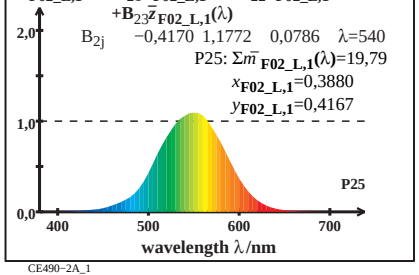
$\bar{m}_{F02_L,1}(\lambda)=B_{21}\bar{x}_{F02_L,1}(\lambda)+B_{22}\bar{y}_{F02_L,1}(\lambda)+B_{23}\bar{z}_{F02_L,1}(\lambda)$

B_{2j} −0,4170 1,1772 0,0786 λ=540

P25: $\Sigma\bar{m}_{F02_L,1}(\lambda)=19,79$

$x_{F02_L,1}=0,3880$

$y_{F02_L,1}=0,4167$



CE490−2A_1

CIEF02_L spectral tristimulus values $\bar{y}_{max}(\lambda)=1$

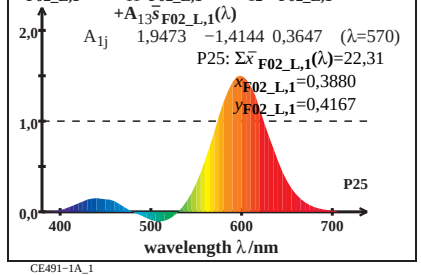
$\bar{x}_{F02_L,1}(\lambda)=A_{11}\bar{l}_{F02_L,1}(\lambda)+A_{12}\bar{m}_{F02_L,1}(\lambda)+A_{13}\bar{s}_{F02_L,1}(\lambda)$

A_{1j} 1,9473 −1,4144 0,3647 (λ=570)

P25: $\Sigma\bar{x}_{F02_L,1}(\lambda)=22,31$

$x_{F02_L,1}=0,3880$

$y_{F02_L,1}=0,4167$



CE491−1A_1

CIEF02_L spectral tristimulus values $\bar{y}_{max}(\lambda)=1$

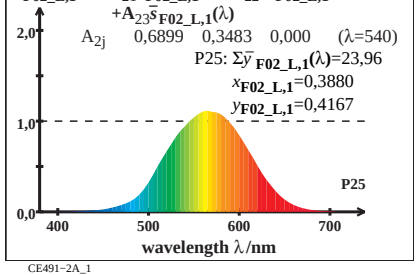
$\bar{y}_{F02_L,1}(\lambda)=A_{21}\bar{l}_{F02_L,1}(\lambda)+A_{22}\bar{m}_{F02_L,1}(\lambda)+A_{23}\bar{s}_{F02_L,1}(\lambda)$

A_{2j} 0,6899 0,3483 0,000 (λ=540)

P25: $\Sigma\bar{y}_{F02_L,1}(\lambda)=23,96$

$x_{F02_L,1}=0,3880$

$y_{F02_L,1}=0,4167$



CE491−2A_1

HPE_CIEF cone sensitivity $\bar{y}_{max}(\lambda)=1$

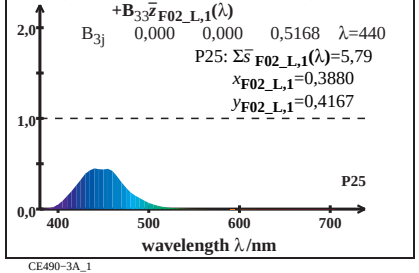
$\bar{s}_{F02_L,1}(\lambda)=B_{31}\bar{x}_{F02_L,1}(\lambda)+B_{32}\bar{y}_{F02_L,1}(\lambda)+B_{33}\bar{z}_{F02_L,1}(\lambda)$

B_{3j} 0,000 0,000 0,5168 λ=440

P25: $\Sigma\bar{s}_{F02_L,1}(\lambda)=5,79$

$x_{F02_L,1}=0,3880$

$y_{F02_L,1}=0,4167$



CE490−3A_1

HPE_CIEF cone sensitivity $Y_{sum}=100$

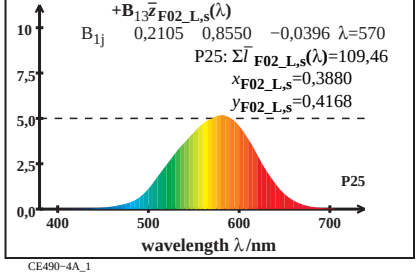
$\bar{l}_{F02_L,s}(\lambda)=B_{11}\bar{x}_{F02_L,s}(\lambda)+B_{12}\bar{y}_{F02_L,s}(\lambda)+B_{13}\bar{z}_{F02_L,s}(\lambda)$

B_{1j} 0,2105 0,8550 −0,0396 λ=570

P25: $\Sigma\bar{l}_{F02_L,s}(\lambda)=109,46$

$x_{F02_L,s}=0,3880$

$y_{F02_L,s}=0,4168$



CE490−4A_1

CIEF02_L spectral tristimulus values $\bar{y}_{max}(\lambda)=1$

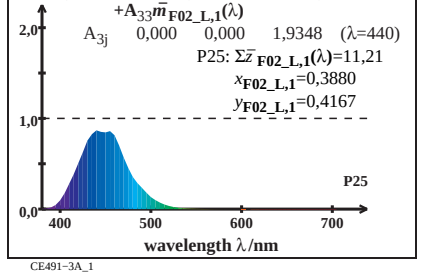
$\bar{z}_{F02_L,1}(\lambda)=A_{31}\bar{l}_{F02_L,1}(\lambda)+A_{32}\bar{m}_{F02_L,1}(\lambda)+A_{33}\bar{m}_{F02_L,1}(\lambda)$

A_{3j} 0,000 0,000 1,9348 (λ=440)

P25: $\Sigma\bar{z}_{F02_L,1}(\lambda)=11,21$

$x_{F02_L,1}=0,3880$

$y_{F02_L,1}=0,4167$



CE491−3A_1

CIEF02_L spectral tristimulus values $Y_{sum}=100$

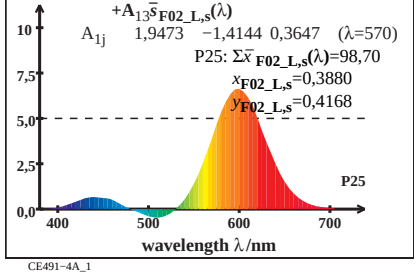
$\bar{x}_{F02_L,s}(\lambda)=A_{11}\bar{l}_{F02_L,s}(\lambda)+A_{12}\bar{m}_{F02_L,s}(\lambda)+A_{13}\bar{s}_{F02_L,s}(\lambda)$

A_{1j} 1,9473 −1,4144 0,3647 (λ=570)

P25: $\Sigma\bar{x}_{F02_L,s}(\lambda)=98,70$

$x_{F02_L,s}=0,3880$

$y_{F02_L,s}=0,4168$



CE491−4A_1

HPE_CIEF cone sensitivity $Y_{sum}=100$

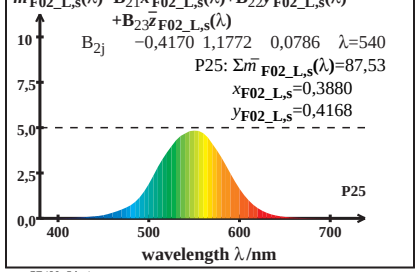
$\bar{m}_{F02_L,s}(\lambda)=B_{21}\bar{x}_{F02_L,s}(\lambda)+B_{22}\bar{y}_{F02_L,s}(\lambda)+B_{23}\bar{z}_{F02_L,s}(\lambda)$

B_{2j} −0,4170 1,1772 0,0786 λ=540

P25: $\Sigma\bar{m}_{F02_L,s}(\lambda)=87,53$

$x_{F02_L,s}=0,3880$

$y_{F02_L,s}=0,4168$



CE490−5A_1

HPE_CIEF cone sensitivity $Y_{sum}=100$

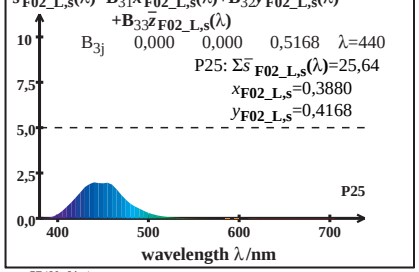
$\bar{s}_{F02_L,s}(\lambda)=B_{31}\bar{x}_{F02_L,s}(\lambda)+B_{32}\bar{y}_{F02_L,s}(\lambda)+B_{33}\bar{z}_{F02_L,s}(\lambda)$

B_{3j} 0,000 0,000 0,5168 λ=440

P25: $\Sigma\bar{s}_{F02_L,s}(\lambda)=25,64$

$x_{F02_L,s}=0,3880$

$y_{F02_L,s}=0,4168$



CE490−6A_1

CIEF02_L spectral tristimulus values $Y_{sum}=100$

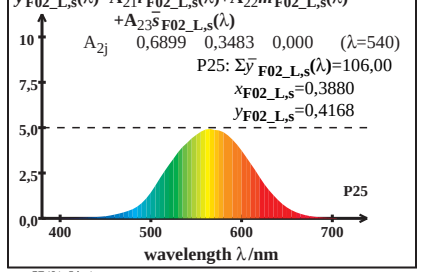
$\bar{y}_{F02_L,s}(\lambda)=A_{21}\bar{l}_{F02_L,s}(\lambda)+A_{22}\bar{m}_{F02_L,s}(\lambda)+A_{23}\bar{s}_{F02_L,s}(\lambda)$

A_{2j} 0,6899 0,3483 0,000 (λ=540)

P25: $\Sigma\bar{y}_{F02_L,s}(\lambda)=106,00$

$x_{F02_L,s}=0,3880$

$y_{F02_L,s}=0,4168$



CE491−5A_1

CIEF02_L spectral tristimulus values $Y_{sum}=100$

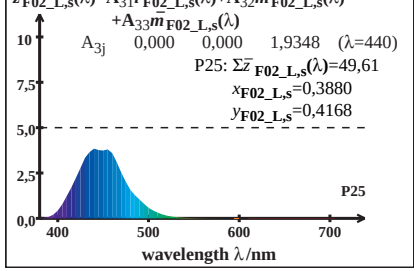
$\bar{z}_{F02_L,s}(\lambda)=A_{31}\bar{l}_{F02_L,s}(\lambda)+A_{32}\bar{m}_{F02_L,s}(\lambda)+A_{33}\bar{m}_{F02_L,s}(\lambda)$

A_{3j} 0,000 0,000 1,9348 (λ=440)

P25: $\Sigma\bar{z}_{F02_L,s}(\lambda)=49,61$

$x_{F02_L,s}=0,3880$

$y_{F02_L,s}=0,4168$



CE491−6A_1

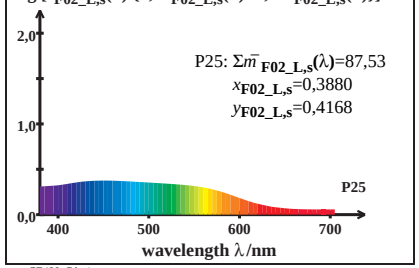
HPE_CIEF cone excitation

$\log[\bar{l}_{F02_L,s}(\lambda)/\{0,5\bar{l}_{F02_L,s}(\lambda)+0,5\bar{m}_{F02_L,s}(\lambda)\}]$

P25: $\Sigma\bar{m}_{F02_L,s}(\lambda)=87,53$

$x_{F02_L,s}=0,3880$

$y_{F02_L,s}=0,4168$



CE490−7A_1

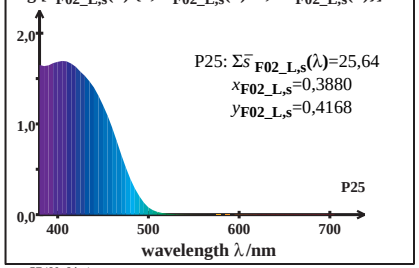
HPE_CIEF cone excitation

$\log[\bar{s}_{F02_L,s}(\lambda)/\{0,5\bar{l}_{F02_L,s}(\lambda)+0,5\bar{m}_{F02_L,s}(\lambda)\}]$

P25: $\Sigma\bar{s}_{F02_L,s}(\lambda)=25,64$

$x_{F02_L,s}=0,3880$

$y_{F02_L,s}=0,4168$



CE490−8A_1

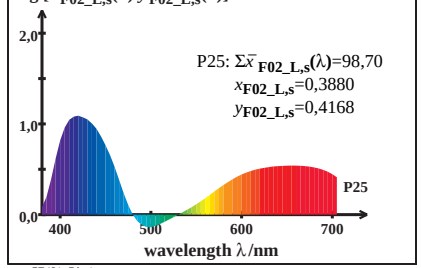
CIEF02_L spectral tristimulus value excitation

$\log[\bar{x}_{F02_L,s}(\lambda)/\bar{y}_{F02_L,s}(\lambda)]$

P25: $\Sigma\bar{x}_{F02_L,s}(\lambda)=98,70$

$x_{F02_L,s}=0,3880$

$y_{F02_L,s}=0,4168$



CE491−7A_1

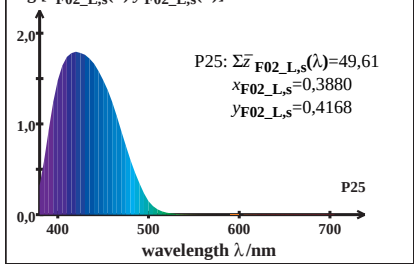
CIEF02_L spectral tristimulus value excitation

$\log[\bar{z}_{F02_L,s}(\lambda)/\bar{y}_{F02_L,s}(\lambda)]$

P25: $\Sigma\bar{z}_{F02_L,s}(\lambda)=49,61$

$x_{F02_L,s}=0,3880$

$y_{F02_L,s}=0,4168$



CE491−8A_1