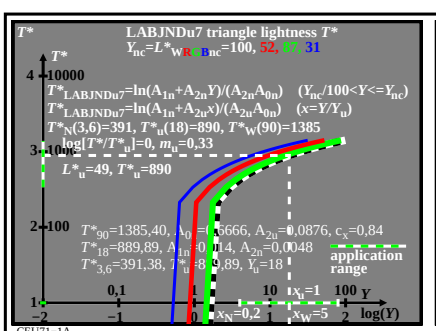
T*
LABJNDu7 triangle lightness T*
Ync=L*WRBnc=100, 52, 87, 31
T*LABJNDu7=ln(A1n+A2nY)/(A2nA0n) (Ync/100<Y<=Ync)
T*LABJNDu7=ln(A1n+A2ux)/(A2uA0n) (x=Y/Yu)
T*N(3,6)=391, T*u(18)=890, T*W(90)=1385
log[T*/T*u]=0, mu=0,33
L*u=49, T*u=890
T*90=1385,40, A0n=0,6666, A2u=0,0876, cx=0,84
T*18=889,89, A1n=0,014, A2n=0,0048
T*3,6=391,38, T*u=889,89, Yu=18
application range
xN=0,2
xW=5
log(Y)
CEU71–1A
T*/T*u
LABJNDu7 relative triangle lightness T*/T*u
Ync=L*WRBnc=100, 52, 87, 31
T*/T*u
T*LABJNDu7=ln(A1n+A2nY)/(A2nA0n) (Ync/100<Y<=Ync)
T*LABJNDu7=ln(A1n+A2ux)/(A2uA0n) (x=Y/Yu)
T*N(3,6)=391, T*u(18)=890, T*W(90)=1385
T*90/T*u=1,55, A0n=0,6666, A2u=0,0876, cx=0,84
T*18/T*u=1,00, A1n=0,014, A2n=0,0048
T*3,6/T*u=0,43, T*u=889,89, Yu=18
log[T*/T*u]=0, mu=0,33
L*u=49, T*u=890
application range
xN=0,2
xW=5
log(Y)
CEU71–2A
log(ΔY)
LABJNDu7
tristimulus value difference
Ync=L*WRBnc=100, 52, 87, 31
ΔY
T*LABJNDu7=ln(A1n+A2nY)/(A2nA0n) (Ync/100<Y<=Ync)
T*LABJNDu7=ln(A1n+A2ux)/(A2uA0n) (x=Y/Yu)
dY=A0n(A1n+A2nY)=A0n(A1n+A2ux), see CIE 230:2019
dY90=0,30, A0n=0,6666, A2u=0,0876, cx=0,84
dY18=0,06, A1n=0,014, A2n=0,0048
dY3,6=0,02, Yu=18, dYu=0,06
T*u=890, dYu=0,06, dYu/Yu=0,0037
log(dY)=0,06, mu=0,85
application range
xN=0,2
xW=5
log(Y)
CEU71–3A
log(ΔY/ΔYu)
LABJNDu7 relative
tristimulus value difference
Ync=L*WRBnc=100, 52, 87, 31
ΔY/ΔYu
T*LABJNDu7=ln(A1n+A2nY)/(A2nA0n) (Ync/100<Y<=Ync)
T*LABJNDu7=ln(A1n+A2ux)/(A2uA0n) (x=Y/Yu)
dY/dYu=(A1n+A2nx)/(A1n+A2u)
dY90/dYu=4,43, A0n=0,6666, A2u=0,0876, cx=0,84
dY18/dYu=1,00, A1n=0,014, A2n=0,0048
dY3,6/dYu=0,31, Yu=18, dYu=0,06
T*u=890, dYu=0,06, dYu/Yu=0,0037
log[(dY)/(dY)u]=0, mu=0,86
application range
xN=0,2
xW=5
log(Y)
CEU71–4A
log (ΔY/Y)
LABJNDu7
tristimulus value sensitivity
Ync=L*WRBnc=100, 52, 87, 31
Sr=(ΔY/Y)
T*LABJNDu7=ln(A1n+A2nY)/(A2nA0n) (Ync/100<Y<=Ync)
T*LABJNDu7=ln(A1n+A2ux)/(A2uA0n) (x=Y/Yu)
dY/Y=A0n(A1n+A2nY)/Y=A0n(A1n+A2ux)/Y
(dY/Y)90=0,0033, A0n=0,6666, A2u=0,0876, cx=0,84
(dY/Y)18=0,0037, A1n=0,014, A2n=0,0048
(dY/Y)3,6=0,0058, Yu=18, dYu=0,06
log(dY/Y)=−2,42, mu=−0,13
T*u=890, dYu=0,06, dYu/Yu=0,0037
application range
xN=0,2
xW=5
log(Y)
CEU71–5A
log [(ΔY/Y) / (ΔY/Y)u]
LABJNDu7 relative
tristimulus value sensitivity
Ync=L*WRBnc=100, 52, 87, 31
Sr/Sru=(ΔY/Y)/(ΔY/Y)u
T*LABJNDu7=ln(A1n+A2nY)/(A2nA0n) (Ync/100<Y<=Ync)
T*LABJNDu7=ln(A1n+A2ux)/(A2uA0n) (x=Y/Yu)
(dY/Y)/(dY/Y)u=[(A1n+A2ux)/xu]/(A1n+A2u)
(dY/Y)90/(dY/Y)u=0,88, A0n=0,6666, A2u=0,0876, cx=0,84
(dY/Y)18/(dY/Y)u=1,00, A1n=0,014, A2n=0,0048
(dY/Y)3,6/(dY/Y)u=1,03, Yu=18, dYu=0,06
log[(dY/Y)/(dY/Y)u]=0, mu=−0,13
T*u=890, dYu=0,06, dYu/Yu=0,0037
application range
xN=0,2
xW=5
log(Y)
CEU71–6A
log (Y/ΔY)
LABJNDu7
tristimulus value contrast
Ync=L*WRBnc=100, 52, 87, 31
Cr=(Y/ΔY)
T*LABJNDu7=ln(A1n+A2nY)/(A2nA0n) (Ync/100<Y<=Ync)
T*LABJNDu7=ln(A1n+A2ux)/(A2uA0n) (x=Y/Yu)
Y/dY=Y/[A0n(A1n+A2nY)]=xYu/[A0n(A1n+A2ux)]
T*u=890, dYu=0,06, Yu/dYu=264
log(Y/dY)=2,42, mu=0,13
(Y/dY)90=298,17, A0n=0,6666, A2u=0,0876, cx=0,84
(Y/dY)18=264,36, A1n=0,014, A2n=0,0048
(Y/dY)3,6=169,70, Yu=18, dYu=0,06
application range
xN=0,2
xW=5
log(Y)
CEU71–7A
log [(Y/ΔY) / (Y/ΔY)u]
LABJNDu7 relative
tristimulus value contrast
Ync=L*WRBnc=100, 52, 87, 31
Cr/Cru=(Y/ΔY)/(Y/ΔY)u
T*LABJNDu7=ln(A1n+A2nY)/(A2nA0n) (Ync/100<Y<=Ync)
T*LABJNDu7=ln(A1n+A2ux)/(A2uA0n) (x=Y/Yu)
(Y/dY)/(Y/dY)u=[x/(A1n+A2ux)]/(A1n+A2u)
(Y/dY)90/(Y/dY)u=1,12, A0n=0,6666, A2u=0,0876, cx=0,84
(Y/dY)18/(Y/dY)u=1,00, A1n=0,014, A2n=0,0048
(Y/dY)3,6/(Y/dY)u=0,64, Yu=18, dYu=0,06
log[(Y/dY)/(Y/dY)u]=0, mu=0,13
T*u=890, dYu=0,06, Yu/dYu=264
application range
xN=0,2
xW=5
log(Y)
CEU71–8A
CEU71–7N