



Lightsource Test Report

Product Infomation

Product Number: 790

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4329$ $y=0.3993$ $u(u')=0.2500$ $v=0.3459$ $v'=0.5189$

CCT: $T_c=3031K$ ($duv=-0.00136$)

Color Ratio: $R=0.226$ $G=0.747$ $B=0.026$

Peak Wavelength: 600.1nm

Half Bandwidth: 120.5nm

Dominant Wavelength: 583.2nm

Color Purity: 0.498

Central Wave: 591.8nm

Gravity Wave: 594.5nm

CRI: $R_a=81.3$

TM30: $R_f=83$, $R_g=96$

GAI: $GAI_BB_8=96.0$, $GAI_BB_15=102.9$, $GAI_EES=55.9$

$R1=80$

$R2=91$

$R3=95$

$R4=79$

$R5=81$

$R6=89$

$R7=80$

$R8=55$

$R9=-2$

$R10=79$

$R11=79$

$R12=72$

$R13=82$

$R14=98$

$R15=72$

Color Quality Scale: $Q_a=81.0$, $Q_f=82.4$, $Q_p=82.7$, $Q_g=91.4$

$Q1=76$

$Q2=95$

$Q3=82$

$Q4=79$

$Q5=82$

$Q6=83$

$Q7=82$

$Q8=85$

$Q9=95$

$Q10=89$

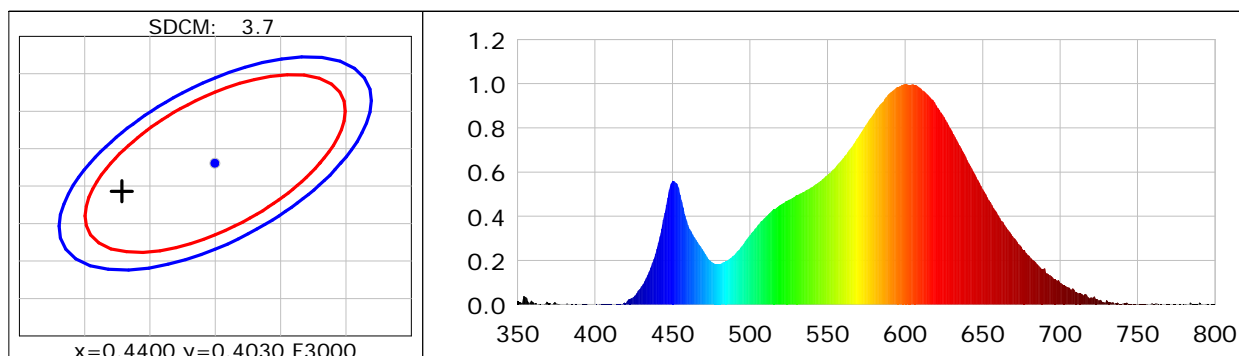
$Q11=85$

$Q12=82$

$Q13=81$

$Q14=69$

$Q15=72$



Photometric Parameters

Luminous Flux: 1967.1 lm

Efficiency: 101.45 lm/W

Radiant Power: 6.742 W

Total mains efficacy: 101.45 lm/W Energy Efficiency Class: E (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.44V

Current: 0.0886A

Power: 19.39W

Power Factor: 0.9975

Frequency: 49.99Hz

DF: 0.9998

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 43402 (4319)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4 π

CCD Integration Time: 571.40 ms

Condition: Tx: 30.9°C, Ti: 29.0°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-09-13 10:29:28

Inspector: