



Lightsource Test Report

Product Infomation

Product Number: 5

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3063$ $y=0.3352$ $u(u')=0.1911$ $v=0.3138$ $v'=0.4707$

CCT: $T_c=6798K$ ($duv=0.00956$)

Color Ratio: $R=0.125$ $G=0.826$ $B=0.050$

Peak Wavelength: 444.0nm

Half Bandwidth: 30.0nm

Dominant Wavelength: 492.6nm

Color Purity: 0.090

Central Wave: 447.3nm

Gravity Wave: 446.2nm

CRI: $R_a=79.9$

TM30: $R_f=82$, $R_g=96$

GAI: $GAI_BB_8=88.7$, $GAI_BB_15=92.7$, $GAI_EES=87.6$

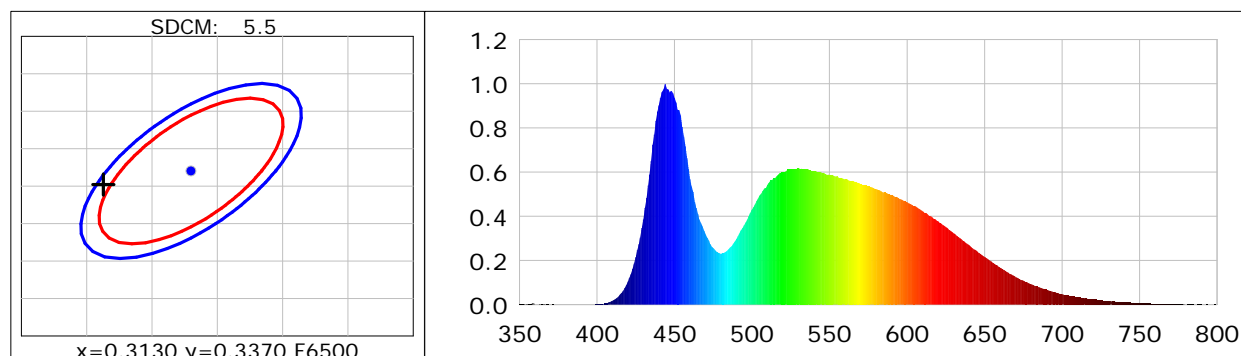
$R1=77$ $R2=81$ $R3=86$ $R4=81$ $R5=79$ $R6=78$ $R7=87$ $R8=70$

$R9=-1$ $R10=58$ $R11=81$ $R12=60$ $R13=78$ $R14=92$ $R15=72$

Color Quality Scale: $Q_a=82.2$, $Q_f=82.0$, $Q_p=83.1$, $Q_g=92.0$

$Q1=85$ $Q2=96$ $Q3=79$ $Q4=77$ $Q5=83$ $Q6=83$ $Q7=85$ $Q8=91$

$Q9=95$ $Q10=84$ $Q11=83$ $Q12=83$ $Q13=83$ $Q14=70$ $Q15=76$



Photometric Parameters

Luminous Flux: 16169 lm

Efficiency: 101.97 lm/W

Radiant Power: 51.719 W

Total mains efficacy: 101.97 lm/W Energy Efficiency Class: F (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.10V

Current: 0.7931A

Power: 158.56W

Power Factor: 0.9125

Frequency: 49.99Hz

DF: 0.9946

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 45937 (2709)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4 π

CCD Integration Time: 65.40 ms

Condition: Tx: 24.7°C, Ti: 23.4°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-11-14 14:38:14

Inspector: