



Lightsource Test Report

Product Infomation

Product Number: 457

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3711$ $y=0.3765$ $u(u')=0.2191$ $v=0.3334$ $v'=0.5001$

CCT: $T_c=4261K$ ($duv=0.00274$)

Color Ratio: $R=0.158$ $G=0.814$ $B=0.028$

Peak Wavelength: 448.6nm

Half Bandwidth: 15.8nm

Dominant Wavelength: 576.4nm

Color Purity: 0.244

Central Wave: 448.4nm

Gravity Wave: 448.6nm

CRI: $R_a=72.2$

TM30: $R_f=75$, $R_g=93$

GAI: $GAI_BB_8=85.3$, $GAI_BB_15=92.8$, $GAI_EES=70.6$

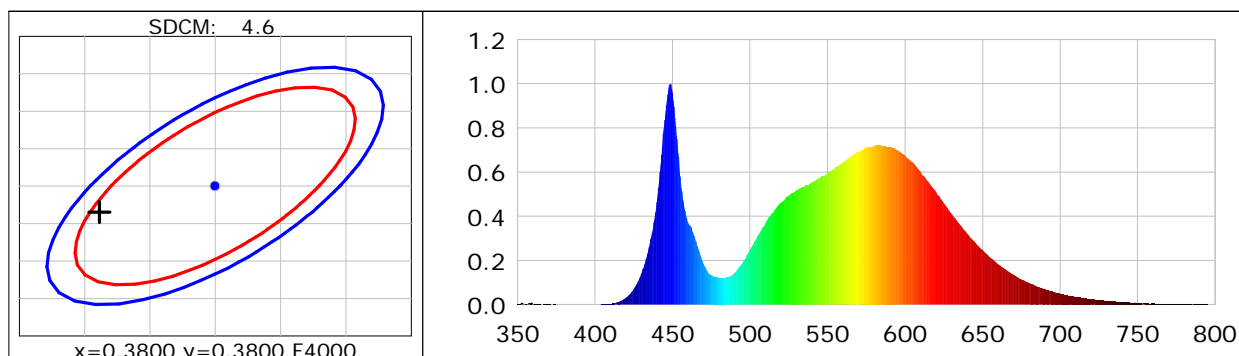
$R1=68$ $R2=79$ $R3=88$ $R4=71$ $R5=69$ $R6=71$ $R7=80$ $R8=50$

$R9=-40$ $R10=51$ $R11=68$ $R12=43$ $R13=70$ $R14=93$ $R15=61$

Color Quality Scale: $Q_a=72.8$, $Q_f=72.9$, $Q_p=73.2$, $Q_g=88.1$

$Q1=75$ $Q2=97$ $Q3=68$ $Q4=64$ $Q5=71$ $Q6=73$ $Q7=75$ $Q8=83$

$Q9=95$ $Q10=80$ $Q11=75$ $Q12=73$ $Q13=73$ $Q14=57$ $Q15=64$



Photometric Parameters

Luminous Flux: 14797 lm

Efficiency: 155.20 lm/W

Radiant Power: 58.938 W

Total mains efficacy: 155.20 lm/W Energy Efficiency Class: A (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.50V

Current: 0.4357A

Power: 95.34W

Power Factor: 0.9969

Frequency: 49.99Hz

DF: 0.9983

Test Infomation

Scan Range: 350~800:1nm

Photometric Method: sphere-spectroradiometer

Stabilization Time: 0 Min ALC.: 1.0000

Photometric Condition: Sphere diameter: 2.00m, 4T

Max of Signal: 45448 (3166)

CCD Integration Time: 53.19 ms

Condition: Tx: 28.9°C, Ti: 27.1°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-08-27 12:10:26

Inspector: