



Lightsource Test Report

Product Infomation

Product Number: 158

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3444$ $y=0.3699$ $u(u')=0.2041$ $v=0.3288$ $v'=0.4932$

CCT: $T_c=5082K$ ($duv=0.00920$)

Color Ratio: $R=0.136$ $G=0.834$ $B=0.030$

Peak Wavelength: 446.3nm

Half Bandwidth: 22.3nm

Dominant Wavelength: 565.2nm

Color Purity: 0.143

Central Wave: 445.9nm

Gravity Wave: 446.0nm

CRI: $R_a=71.4$

TM30: $R_f=74$, $R_g=94$

GAI: $GAI_BB_8=84.4$, $GAI_BB_15=89.5$, $GAI_EES=74.8$

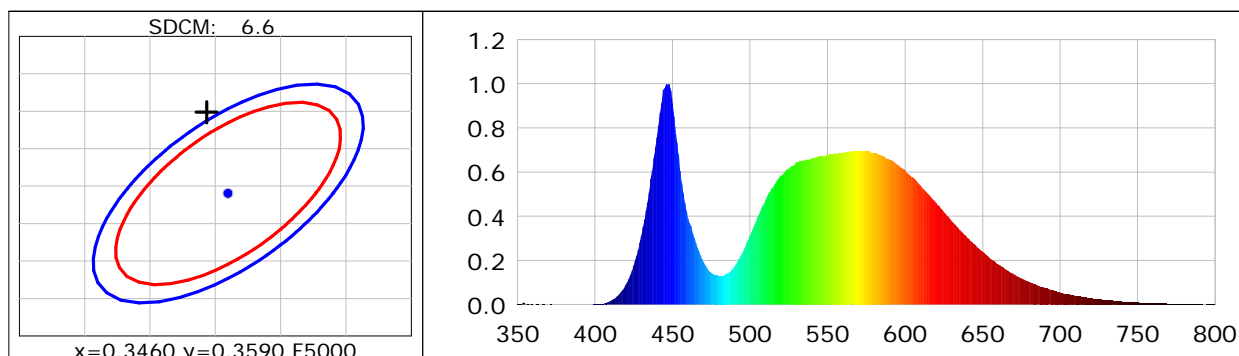
$R1=68$ $R2=75$ $R3=83$ $R4=73$ $R5=69$ $R6=68$ $R7=80$ $R8=54$

$R9=-40$ $R10=44$ $R11=71$ $R12=46$ $R13=68$ $R14=91$ $R15=60$

Color Quality Scale: $Q_a=73.5$, $Q_f=73.5$, $Q_p=74.2$, $Q_g=88.9$

$Q1=76$ $Q2=95$ $Q3=70$ $Q4=67$ $Q5=73$ $Q6=74$ $Q7=76$ $Q8=85$

$Q9=94$ $Q10=77$ $Q11=74$ $Q12=74$ $Q13=74$ $Q14=57$ $Q15=64$



Photometric Parameters

Luminous Flux: 17851 lm

Efficiency: 113.35 lm/W

Radiant Power: 54.304 W

Total mains efficacy: 113.35 lm/W Energy Efficiency Class: E (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.08V

Current: 0.7301A

Power: 157.49W

Power Factor: 0.9846

Frequency: 49.99Hz

DF: 0.9966

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: 48709 (2581)

CCD Integration Time: 66.13 ms

Condition: Tx:23.1°C, Ti:23.2°C, R.H.:60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-10-25 09:11:39

Inspector: