



Lightsource Test Report

Product Infomation

Product Number: 46

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3688$ $y=0.3637$ $u(u')=0.2226$ $v=0.3293$ $v'=0.4940$

CCT: $T_c=4246K$ ($duv=-0.00264$)

Color Ratio: $R=0.163$ $G=0.814$ $B=0.023$

Peak Wavelength: 445.7nm

Half Bandwidth: 18.4nm

Dominant Wavelength: 599.0nm

Color Purity: 0.198

Central Wave: 445.1nm

Gravity Wave: 445.4nm

CRI: $R_a=71.4$

TM30: $R_f=71$, $R_g=96$

GAI: $GAI_BB_8=93.8$, $GAI_BB_15=99.5$, $GAI_EES=77.4$

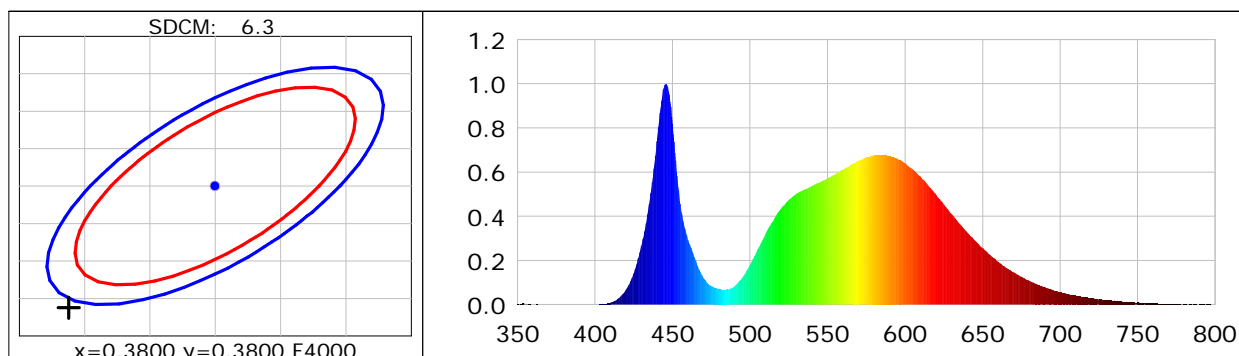
$R1=70$ $R2=77$ $R3=82$ $R4=72$ $R5=70$ $R6=68$ $R7=79$ $R8=54$

$R9=-30$ $R10=45$ $R11=69$ $R12=42$ $R13=70$ $R14=90$ $R15=64$

Color Quality Scale: $Q_a=70.8$, $Q_f=69.6$, $Q_p=74.3$, $Q_g=91.9$

$Q1=75$ $Q2=93$ $Q3=62$ $Q4=60$ $Q5=69$ $Q6=71$ $Q7=74$ $Q8=83$

$Q9=92$ $Q10=74$ $Q11=69$ $Q12=69$ $Q13=72$ $Q14=59$ $Q15=65$



Photometric Parameters

Luminous Flux: 18758 lm

Efficiency: 154.92 lm/W

Radiant Power: 58.074 W

Total mains efficacy: 154.92 lm/W Energy Efficiency Class: C (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.50V

Current: 0.5570A

Power: 121.08W

Power Factor: 0.9904

Frequency: 49.99Hz

DF: 0.9924

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: 44999 (1946)

CCD Integration Time: 55.41 ms

Condition: Tx: 14.1°C, Ti: 14.3°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-01-05 11:06:58

Inspector: