Lightsource Test Report

Product Infomation

Product Category:
Product Type:
Product Spec: 40W 6000K
Product Number: 01

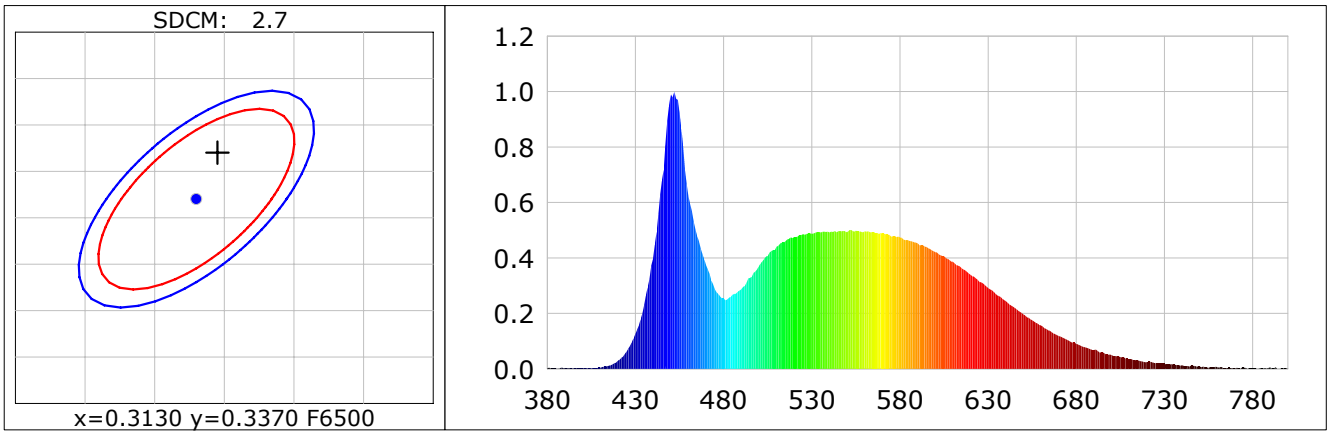
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3145 y=0.3420 u(u')=0.1943 v=0.3169 v'=0.4754
CCT: Tc=6028K (duv=0.00883)
Color Ratio: R=0.131 G=0.814 B=0.055
Peak Wavelength: 452.0nm
Half Bandwidth: 22.1nm
Dominant Wavelength: 497.7nm
Color Purity: 0.059
CRI: Ra: Ra= 84.3

R1 =83	R2 =85	R3 =86	R4 =88	R5 =83	R6 =79	R7 =94	R8 =78
R9 =19	R10=63	R11=88	R12=49	R13=83	R14=92	R15=79	

Color Quality Scale: Qa= 82.9, Qf= 83.1, Qp= 81.9, Qg= 90.1

Q1 =84	Q2 =98	Q3 =81	Q4 =73	Q5 =78	Q6 =80	Q7 =86	Q8 =92
Q9 =97	Q10=90	Q11=85	Q12=85	Q13=84	Q14=75	Q15=79	



Photometric Parameters

Luminous Flux: 4188.84 lm
Efficiency: 125.25 lm/W
Radiant Power: 16.104 W
EEI: 0.11
Energy Efficiency Class: A++ (EU 874-2012)

Electric Parameters

Voltage: 220.10V
Current: 0.1890A
Power: 40.63W
Power Factor: 0.9770
Frequency: 49.99Hz

BIN: OUT :

Test Infomation
Scan Range: 380~800:1nm
Photometric Method: sphere-spectroradiometer
Stabilization Time: 3 Min
Photometric Condition: Sphere diameter: 2.00m, 4π
Max of Signal: 44099 (4059)
CCD Integration Time: 200.00 ms
Condition: Tx:33.0°C, Ti:32.4°C, R.H.:60%
Test Device: Inventfine CMS-3000S
Test Lab:
Test Time: 2023-08-10 15:14:44
Operator:
Inspector: