



Lightsource Test Report

Product Infomation

Product Number: 147

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3093$ $y=0.3328$ $u(u')=0.1940$ $v=0.3132$ $v'=0.4699$

CCT: $T_c=6660K$ ($duv=0.00687$)

Color Ratio: $R=0.132$ $G=0.813$ $B=0.054$

Peak Wavelength: 448.4nm

Half Bandwidth: 32.5nm

Dominant Wavelength: 491.5nm

Color Purity: 0.082

Central Wave: 452.0nm

Gravity Wave: 450.7nm

CRI: $R_a=82.7$

TM30: $R_f=84$, $R_g=94$

GAI: $GAI_BB_8=88.1$, $GAI_BB_15=92.7$, $GAI_EES=85.1$

$R1=80$

$R2=86$

$R3=92$

$R4=83$

$R5=81$

$R6=83$

$R7=88$

$R8=69$

$R9=1$

$R10=68$

$R11=82$

$R12=62$

$R13=81$

$R14=96$

$R15=74$

Color Quality Scale: $Q_a=83.0$, $Q_f=83.3$, $Q_p=82.5$, $Q_g=91.0$

$Q1=84$

$Q2=99$

$Q3=81$

$Q4=78$

$Q5=82$

$Q6=84$

$Q7=86$

$Q8=90$

$Q9=97$

$Q10=88$

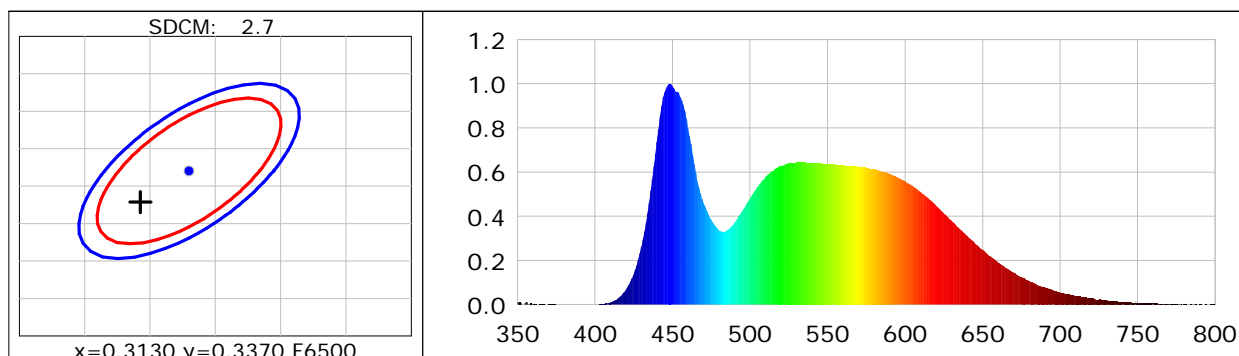
$Q11=86$

$Q12=85$

$Q13=84$

$Q14=70$

$Q15=75$



Photometric Parameters

Luminous Flux: 5483.5 lm

Efficiency: 112.69 lm/W

Radiant Power: 22.465 W

Total mains efficacy: 112.69 lm/W Energy Efficiency Class: C (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.48V

Current: 0.2261A

Power: 48.66W

Power Factor: 0.9804

Frequency: 49.99Hz

DF: 0.9947

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 46150 (3114)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 127.05 ms

Condition: Tx:27.4°C, Ti:26.1°C, R.H.:60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-05-28 14:27:07

Inspector: