

Lightsource Test Report

Product Infomation

Product Number: 826

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3022$ $y=0.3259$ $u(u')=0.1917$ $v=0.3101$ $v'=0.4651$

CCT: $T_c=6934K$ ($duv=0.00705$)

Color Ratio: $R=0.129$ $G=0.819$ $B=0.052$

Peak Wavelength: 444.2nm

Half Bandwidth: 30.5nm

Dominant Wavelength: 488.6nm

Color Purity: 0.110

Central Wave: 448.6nm

Gravity Wave: 447.0nm

CRI: $R_a=82.2$

TM30: $R_f=84$, $R_g=97$

GAI: $GAI_BB_8=90.2$, $GAI_BB_15=94.2$, $GAI_EES=88.7$

$R1=80$

$R2=84$

$R3=87$

$R4=83$

$R5=82$

$R6=80$

$R7=88$

$R8=73$

$R9=10$

$R10=63$

$R11=83$

$R12=62$

$R13=81$

$R14=93$

$R15=75$

Color Quality Scale: $Q_a=83.8$, $Q_f=83.5$, $Q_p=84.6$, $Q_g=93.0$

$Q1=87$

$Q2=97$

$Q3=80$

$Q4=78$

$Q5=84$

$Q6=85$

$Q7=87$

$Q8=92$

$Q9=96$

$Q10=85$

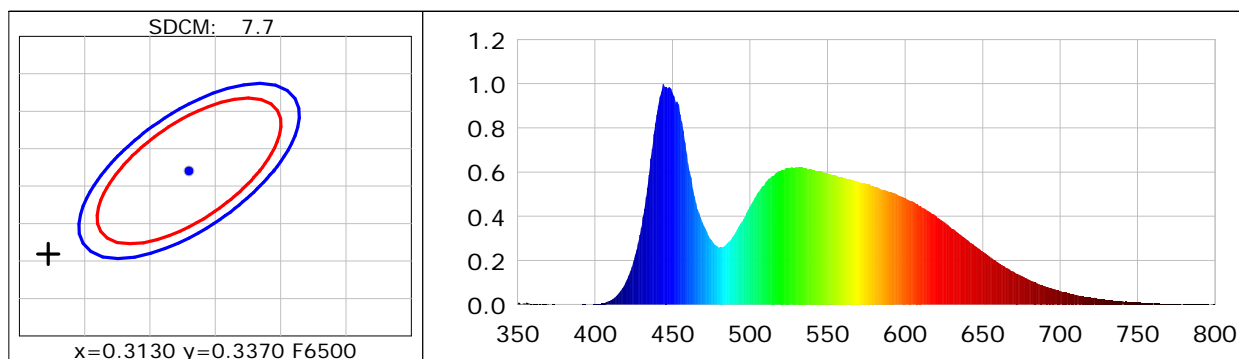
$Q11=84$

$Q12=85$

$Q13=85$

$Q14=73$

$Q15=78$



Photometric Parameters

Luminous Flux: 12611 lm

Efficiency: 112.53 lm/W

Radiant Power: 40.926 W

Total mains efficacy: 112.53 lm/W Energy Efficiency Class: E (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 126.16V

Current: 0.9490A

Power: 112.07W

Power Factor: 0.9360

Frequency: 60.00Hz

DF: 0.9949

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 43762 (3209)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 65.52 ms

Condition: Tx:29.3°C, Ti:27.8°C, R.H.:60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-09-16

Inspector: