



Lightsource Test Report

Product Infomation

Product Number: 824

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3001$ $y=0.3202$ $u(u')=0.1923$ $v=0.3078$ $v'=0.4617$

CCT: $T_c=6748K$ ($duv=0.00530$)

Color Ratio: $R=0.117$ $G=0.838$ $B=0.045$

Peak Wavelength: 442.2nm

Half Bandwidth: 34.2nm

Dominant Wavelength: 486.5nm

Color Purity: 0.122

Central Wave: 448.1nm

Gravity Wave: 446.1nm

CRI: $R_a=74.5$

TM30: $R_f=76$, $R_g=94$

GAI: $GAI_BB_8=86.5$, $GAI_BB_15=91.1$, $GAI_EES=85.7$

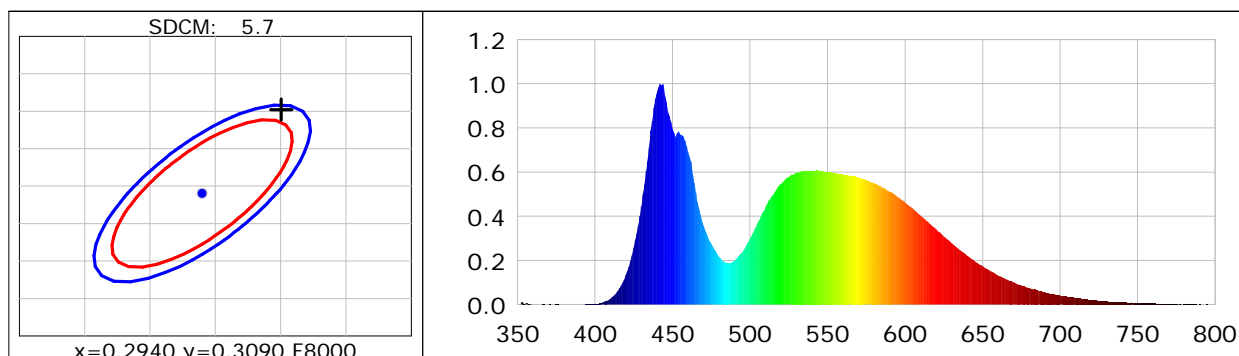
$R1=72$ $R2=77$ $R3=81$ $R4=76$ $R5=74$ $R6=71$ $R7=83$ $R8=62$

$R9=-27$ $R10=46$ $R11=74$ $R12=52$ $R13=72$ $R14=89$ $R15=66$

Color Quality Scale: $Q_a=74.9$, $Q_f=74.4$, $Q_p=76.6$, $Q_g=89.0$

$Q1=82$ $Q2=95$ $Q3=71$ $Q4=65$ $Q5=73$ $Q6=76$ $Q7=80$ $Q8=87$

$Q9=92$ $Q10=77$ $Q11=72$ $Q12=73$ $Q13=75$ $Q14=60$ $Q15=69$



Photometric Parameters

Luminous Flux: 15142 lm

Efficiency: 105.33 lm/W

Radiant Power: 62.528 W

Total mains efficacy: 105.33 lm/W Energy Efficiency Class: D (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.39V

Current: 0.6601A

Power: 143.76W

Power Factor: 0.9927

Frequency: 49.99Hz

DF: 0.9990

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: 45184 (3196)

CCD Integration Time: 50.39 ms

Condition: $T_x=29.2^{\circ}C$, $T_i=27.6^{\circ}C$, R.H.:60%

Test Device: CMS-3500S

Test Lab:

Test Time: 2025-09-16 09:47:24

Operator:

Inspector: