



Lightsource Test Report

Product Infomation

Product Number: 287

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3006$ $y=0.3248$ $u(u')=0.1910$ $v=0.3095$ $v'=0.4643$

CCT: $T_c=6844K$ ($duv=0.00732$)

Color Ratio: $R=0.127$ $G=0.822$ $B=0.051$

Peak Wavelength: 448.3nm

Half Bandwidth: 20.9nm

Dominant Wavelength: 488.3nm

Color Purity: 0.117

Central Wave: 448.4nm

Gravity Wave: 448.3nm

CRI: $R_a=81.2$

TM30: $R_f=83$, $R_g=97$

GAI: $GAI_BB_8=89.5$, $GAI_BB_15=94.1$, $GAI_EES=88.4$

$R1=79$

$R2=83$

$R3=87$

$R4=82$

$R5=80$

$R6=79$

$R7=88$

$R8=71$

$R9=4$

$R10=61$

$R11=82$

$R12=57$

$R13=80$

$R14=93$

$R15=74$

Color Quality Scale: $Q_a=82.5$, $Q_f=82.2$, $Q_p=83.5$, $Q_g=92.4$

$Q1=86$

$Q2=97$

$Q3=78$

$Q4=76$

$Q5=82$

$Q6=84$

$Q7=86$

$Q8=91$

$Q9=95$

$Q10=85$

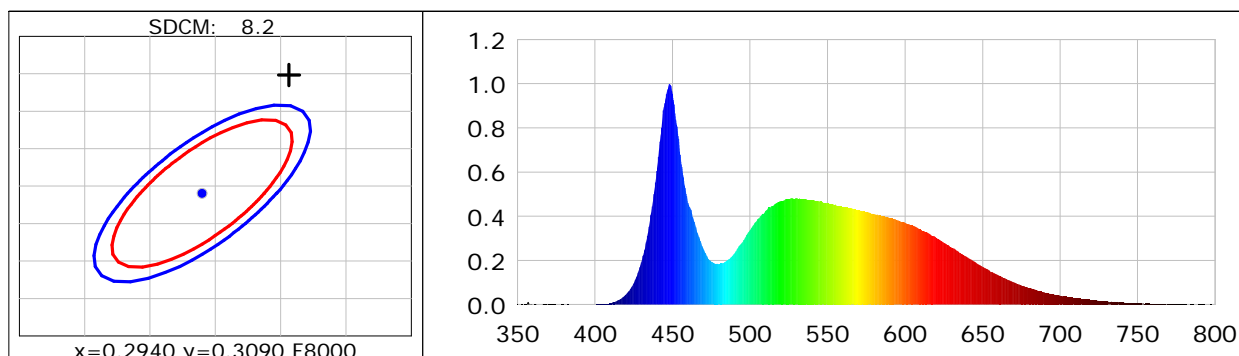
$Q11=83$

$Q12=84$

$Q13=84$

$Q14=71$

$Q15=77$



Photometric Parameters

Luminous Flux: 31549 lm

Efficiency: 122.50 lm/W

Radiant Power: 133.950 W

Total mains efficacy: 122.50 lm/W Energy Efficiency Class: C (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.51V

Current: 1.1930A

Power: 257.54W

Power Factor: 0.9834

Frequency: 49.99Hz

DF: 0.9925

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 48851 (3204)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 20.96 ms

Condition: Tx:29.6°C, Ti:27.7°C, R.H.:60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-10-16 09:40:05

Inspector: