



Lightsource Test Report

Product Infomation

Product Number: 90

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3008$ $y=0.3206$ $u(u')=0.1927$ $v=0.3080$ $v'=0.4620$

CCT: $T_c=6794K$ ($duv=0.00510$)

Color Ratio: $R=0.127$ $G=0.819$ $B=0.055$

Peak Wavelength: 448.3nm

Half Bandwidth: 24.7nm

Dominant Wavelength: 486.5nm

Color Purity: 0.119

Central Wave: 448.5nm

Gravity Wave: 448.3nm

CRI: $R_a=81.5$

TM30: $R_f=83$, $R_g=96$

GAI: $GAI_BB_8=89.5$, $GAI_BB_15=93.6$, $GAI_EES=88.5$

$R1=79$

$R2=84$

$R3=89$

$R4=82$

$R5=81$

$R6=80$

$R7=87$

$R8=69$

$R9=-2$

$R10=64$

$R11=82$

$R12=61$

$R13=80$

$R14=94$

$R15=73$

Color Quality Scale: $Q_a=81.7$, $Q_f=81.6$, $Q_p=82.4$, $Q_g=91.6$

$Q1=85$

$Q2=97$

$Q3=78$

$Q4=76$

$Q5=82$

$Q6=84$

$Q7=86$

$Q8=91$

$Q9=96$

$Q10=85$

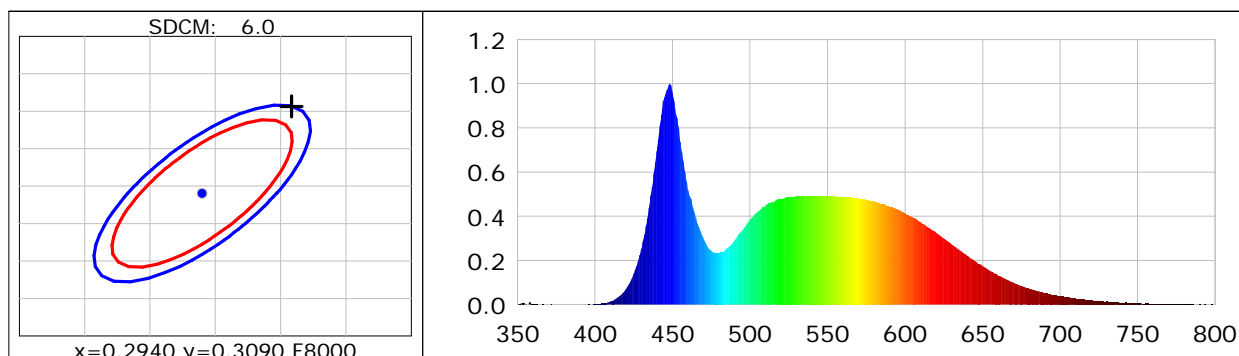
$Q11=82$

$Q12=82$

$Q13=82$

$Q14=69$

$Q15=75$



Photometric Parameters

Luminous Flux: 19883 lm

Efficiency: 97.34 lm/W

Radiant Power: 83.749 W

Total mains efficacy: 97.34 lm/W Energy Efficiency Class: E (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 228.90V

Current: 0.9580A

Power: 204.26W

Power Factor: 0.9315

Frequency: 49.99Hz

DF: 0.9950

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 48289 (3392)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 36.12 ms

Condition: Tx: 31.6°C, Ti: 30.9°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-07-17 15:02:07

Inspector: