



Lightsource Test Report

Product Infomation

Product Number: 16

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.2991$ $y=0.3220$ $u(u')=0.1909$ $v=0.3084$ $v'=0.4625$

CCT: $T_c=6780K$ ($duv=0.00674$)

Color Ratio: $R=0.125$ $G=0.824$ $B=0.051$

Peak Wavelength: 447.9nm

Half Bandwidth: 23.8nm

Dominant Wavelength: 487.4nm

Color Purity: 0.124

Central Wave: 447.3nm

Gravity Wave: 447.5nm

CRI: $R_a=80.6$

TM30: $R_f=82$, $R_g=97$

GAI: $GAI_BB_8=89.9$, $GAI_BB_15=94.1$, $GAI_EES=89.1$

$R1=78$

$R2=82$

$R3=86$

$R4=82$

$R5=80$

$R6=78$

$R7=87$

$R8=72$

$R9=5$

$R10=59$

$R11=81$

$R12=59$

$R13=79$

$R14=92$

$R15=74$

Color Quality Scale: $Q_a=82.2$, $Q_f=81.8$, $Q_p=83.5$, $Q_g=92.7$

$Q1=86$

$Q2=96$

$Q3=77$

$Q4=76$

$Q5=82$

$Q6=84$

$Q7=85$

$Q8=91$

$Q9=95$

$Q10=84$

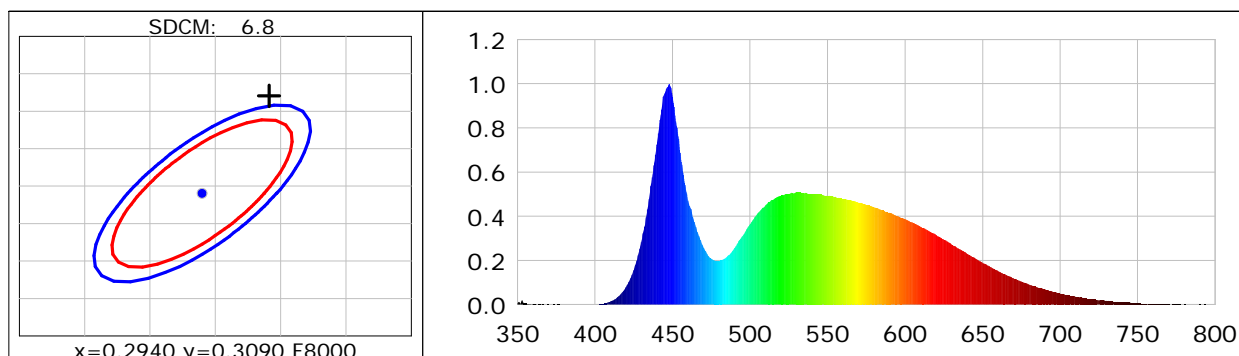
$Q11=82$

$Q12=82$

$Q13=83$

$Q14=71$

$Q15=77$



Photometric Parameters

Luminous Flux: 6050.6 lm

Efficiency: 85.67 lm/W

Radiant Power: 19.658 W

Total mains efficacy: 85.67 lm/W Energy Efficiency Class: F (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.14V

Current: 0.3524A

Power: 70.62W

Power Factor: 0.9145

Frequency: 49.99Hz

DF: 0.9956

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: 48283 (3579)

CCD Integration Time: 114.11 ms

Condition: Tx: 31.1°C, Ti: 29.9°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-09-30 08:43:35

Inspector: