



Lightsource Test Report

Product Infomation

Product Number: 285

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.2967$ $y=0.3110$ $u(u')=0.1934$ $v=0.3040$ $v'=0.4560$

CCT: $T_c=6844K$ ($duv=0.00239$)

Color Ratio: $R=0.124$ $G=0.823$ $B=0.054$

Peak Wavelength: 450.5nm

Half Bandwidth: 18.0nm

Dominant Wavelength: 483.4nm

Color Purity: 0.142

Central Wave: 451.7nm

Gravity Wave: 451.1nm

CRI: $R_a=79.6$

TM30: $R_f=79$, $R_g=93$

GAI: $GAI_BB_8=88.5$, $GAI_BB_15=94.3$, $GAI_EES=88.6$

$R1=78$

$R2=84$

$R3=86$

$R4=80$

$R5=78$

$R6=77$

$R7=87$

$R8=67$

$R9=-7$

$R10=60$

$R11=78$

$R12=48$

$R13=79$

$R14=93$

$R15=74$

Color Quality Scale: $Q_a=77.2$, $Q_f=76.7$, $Q_p=78.7$, $Q_g=90.0$

$Q1=83$

$Q2=97$

$Q3=72$

$Q4=64$

$Q5=73$

$Q6=77$

$Q7=83$

$Q8=89$

$Q9=94$

$Q10=82$

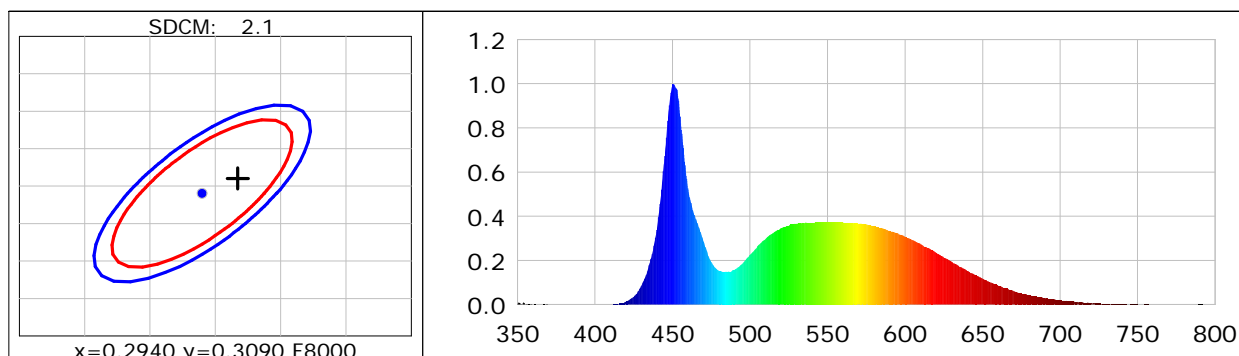
$Q11=77$

$Q12=77$

$Q13=78$

$Q14=66$

$Q15=73$



Photometric Parameters

Luminous Flux: 14715.5 lm

Efficiency: 100.31 lm/W

Radiant Power: 20.916 W

Total mains efficacy: 100.31 lm/W Energy Efficiency Class: E (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.29V

Current: 0.6755A

Power: 146.70W

Power Factor: 0.9882

Frequency: 49.99Hz

DF: 0.9987

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 48403 (1799)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 240.68 ms

Condition: Tx: 10.8°C, Ti: 10.3°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2024-09-18 14:04:19

Inspector: