



Lightsource Test Report

Product Infomation

Product Number: 9

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3113$ $y=0.3270$ $u(u')=0.1976$ $v=0.3114$ $v'=0.4671$

CCT: $T_c=6596K$ ($duv=0.00287$)

Color Ratio: $R=0.139$ $G=0.802$ $B=0.060$

Peak Wavelength: 454.8nm

Half Bandwidth: 23.3nm

Dominant Wavelength: 497.8nm

Color Purity: 0.079

Central Wave: 457.0nm

Gravity Wave: 456.3nm

CRI: $R_a=84.4$

TM30: $R_f=83$, $R_g=92$

GAI: $GAI_BB_8=89.0$, $GAI_BB_15=95.0$, $GAI_EES=85.7$

$R1=83$

$R2=91$

$R3=94$

$R4=81$

$R5=83$

$R6=86$

$R7=87$

$R8=70$

$R9=13$

$R10=78$

$R11=80$

$R12=58$

$R13=86$

$R14=97$

$R15=78$

Color Quality Scale: $Q_a=82.0$, $Q_f=82.2$, $Q_p=81.1$, $Q_g=90.5$

$Q1=81$

$Q2=98$

$Q3=81$

$Q4=73$

$Q5=77$

$Q6=79$

$Q7=85$

$Q8=90$

$Q9=97$

$Q10=90$

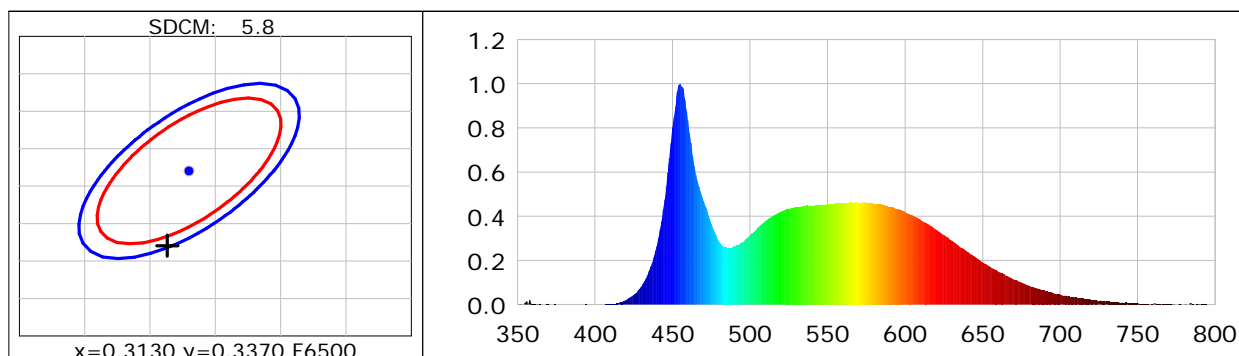
$Q11=85$

$Q12=84$

$Q13=84$

$Q14=73$

$Q15=77$



Photometric Parameters

Luminous Flux: 23865 lm

Efficiency: 117.22 lm/W

Radiant Power: 57.634 W

Total mains efficacy: 117.22 lm/W Energy Efficiency Class: F (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.56V

Current: 0.9679A

Power: 203.59W

Power Factor: 0.9582

Frequency: 49.99Hz

DF: 0.9767

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 45387 (3607)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4 π

CCD Integration Time: 105.82 ms

Condition: Tx: 31.4°C, Ti: 30.9°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2024-06-15 19:03:48

Inspector: