



Lightsource Test Report

Product Infomation

Product Number: 13

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3411$ $y=0.3531$ $u(u')=0.2082$ $v=0.3232$ $v'=0.4848$

CCT: $T_c=5158K$ ($duv=0.00233$)

Color Ratio: $R=0.156$ $G=0.790$ $B=0.054$

Peak Wavelength: 458.5nm

Half Bandwidth: 21.7nm

Dominant Wavelength: 567.7nm

Color Purity: 0.083

Central Wave: 460.6nm

Gravity Wave: 459.7nm

CRI: $R_a=83.0$

TM30: $R_f=81$, $R_g=90$

GAI: $GAI_BB_8=88.8$, $GAI_BB_15=96.0$, $GAI_EES=79.4$

$R1=83$

$R2=94$

$R3=94$

$R4=77$

$R5=81$

$R6=88$

$R7=83$

$R8=64$

$R9=8$

$R10=82$

$R11=76$

$R12=58$

$R13=87$

$R14=98$

$R15=77$

Color Quality Scale: $Q_a=80.1$, $Q_f=80.5$, $Q_p=78.4$, $Q_g=89.2$

$Q1=78$

$Q2=96$

$Q3=81$

$Q4=70$

$Q5=73$

$Q6=75$

$Q7=82$

$Q8=88$

$Q9=97$

$Q10=91$

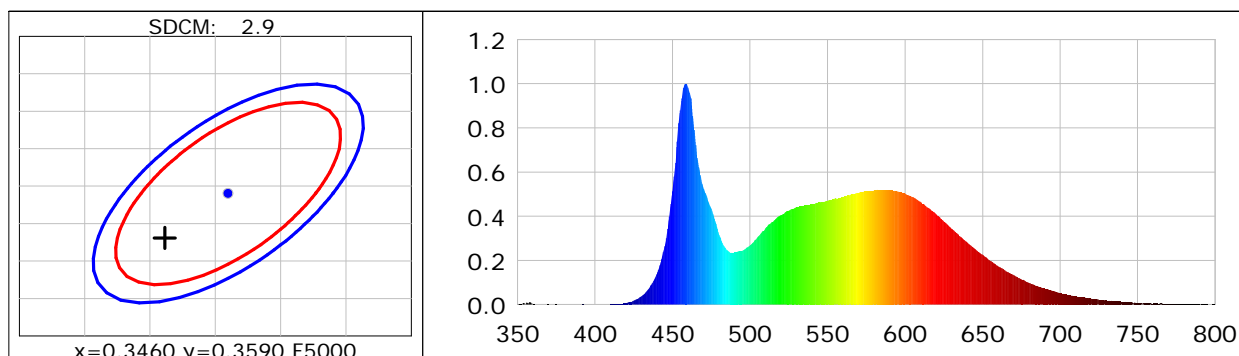
$Q11=85$

$Q12=83$

$Q13=82$

$Q14=71$

$Q15=75$



Photometric Parameters

Luminous Flux: 29605 lm

Efficiency: 153.52 lm/W

Radiant Power: 93.441 W

Total mains efficacy: 153.52 lm/W Energy Efficiency Class: D (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.21V

Current: 0.8955A

Power: 192.84W

Power Factor: 0.9824

Frequency: 49.99Hz

DF: 0.9845

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 44830 (3616)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 27.82 ms

Condition: Tx: 32.4°C, Ti: 30.1°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-10-07 09:34:46

Inspector: