



Lightsource Test Report

Product Infomation

Product Number: 251

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3738$ $y=0.3744$ $u(u')=0.2217$ $v=0.3330$ $v'=0.4995$

CCT: $T_c=4169K$ ($duv=0.00087$)

Color Ratio: $R=0.161$ $G=0.814$ $B=0.026$

Peak Wavelength: 448.6nm

Half Bandwidth: 17.0nm

Dominant Wavelength: 577.9nm

Color Purity: 0.245

Central Wave: 448.5nm

Gravity Wave: 448.6nm

CRI: $R_a=71.4$

TM30: $R_f=73$, $R_g=93$

GAI: $GAI_BB_8=87.5$, $GAI_BB_15=95.1$, $GAI_EES=71.3$

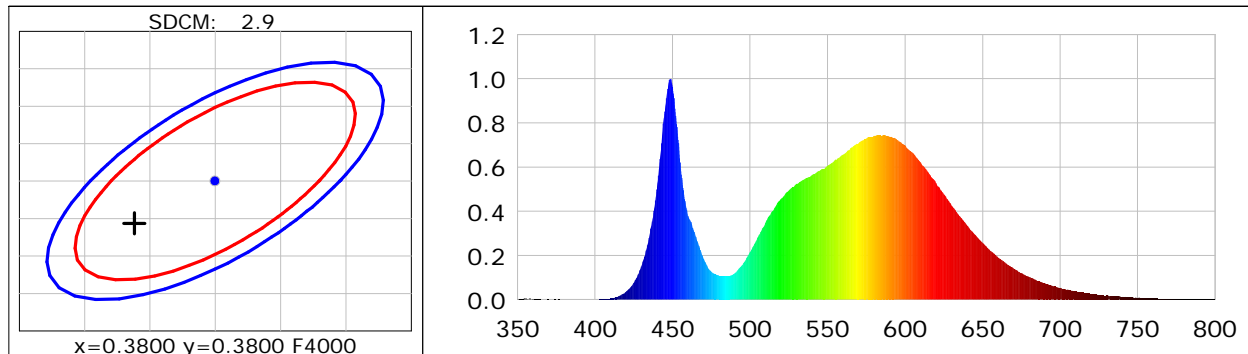
$R1=68$ $R2=78$ $R3=87$ $R4=70$ $R5=68$ $R6=70$ $R7=80$ $R8=49$

$R9=-40$ $R10=49$ $R11=66$ $R12=41$ $R13=70$ $R14=93$ $R15=61$

Color Quality Scale: $Q_a=71.4$, $Q_f=71.3$, $Q_p=72.6$, $Q_g=88.8$

$Q1=74$ $Q2=96$ $Q3=66$ $Q4=61$ $Q5=69$ $Q6=71$ $Q7=74$ $Q8=82$

$Q9=94$ $Q10=78$ $Q11=72$ $Q12=72$ $Q13=72$ $Q14=57$ $Q15=63$



Photometric Parameters

Luminous Flux: 12635 lm

Efficiency: 126.31 lm/W

Radiant Power: 41.347 W

Total mains efficacy: 126.31 lm/W Energy Efficiency Class: D (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.53V

Current: 0.4629A

Power: 100.03W

Power Factor: 0.9844

Frequency: 49.99Hz

DF: 0.9857

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: 46023 (2612)

CCD Integration Time: 78.31 ms

Condition: Tx:23.1°C, Ti:21.8°C, R.H.:60%

Test Device: CMS-3500S

Test Lab:

Test Time: 2025-11-05 12:12:10

Operator:

Inspector: