



Lightsource Test Report

Product Infomation

Product Number: 246

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3464$ $y=0.3572$ $u(u')=0.2101$ $v=0.3250$ $v'(v)=0.4876$

CCT: $T_c=4972K$ ($duv=0.00228$)

Color Ratio: $R=0.155$ $G=0.804$ $B=0.040$

Peak Wavelength: 449.2nm

Half Bandwidth: 17.0nm

Dominant Wavelength: 589.1nm

Color Purity: 0.111

Central Wave: 450.2nm

Gravity Wave: 449.8nm

CRI: $R_a=81.1$

TM30: $R_f=81$, $R_g=95$

GAI: $GAI_BB_8=89.9$, $GAI_BB_15=96.5$, $GAI_EES=81.7$

$R1=79$

$R2=86$

$R3=90$

$R4=81$

$R5=79$

$R6=80$

$R7=87$

$R8=67$

$R9=3$

$R10=66$

$R11=80$

$R12=52$

$R13=81$

$R14=95$

$R15=74$

Color Quality Scale: $Q_a=80.7$, $Q_f=80.7$, $Q_p=81.2$, $Q_g=92.0$

$Q1=83$

$Q2=98$

$Q3=75$

$Q4=71$

$Q5=79$

$Q6=81$

$Q7=84$

$Q8=89$

$Q9=96$

$Q10=86$

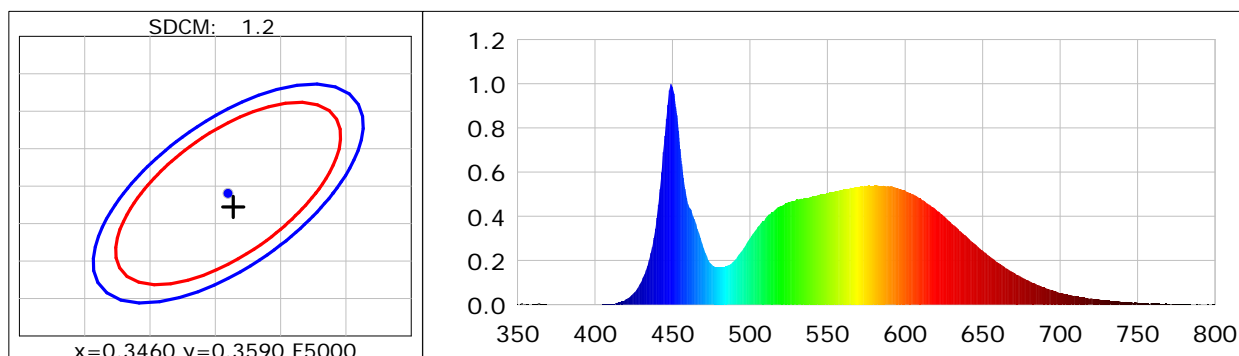
$Q11=82$

$Q12=82$

$Q13=82$

$Q14=71$

$Q15=75$



Photometric Parameters

Luminous Flux: 35137 lm

Efficiency: 174.41 lm/W

Radiant Power: 107.145 W

Total mains efficacy: 174.41 lm/W Energy Efficiency Class: C (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.44V

Current: 0.9187A

Power: 201.46W

Power Factor: 0.9993

Frequency: 49.99Hz

DF: 1.0000

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 44166 (3916)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 23.02 ms

Condition: Tx: 35.1°C, Ti: 33.6°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-07-08 11:55:31

Inspector: