



Lightsource Test Report

Product Infomation

Product Number: 56

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3450$ $y=0.3609$ $u(u')=0.2078$ $v=0.3261$ $v'=0.4891$

CCT: $T_c=5036K$ ($duv=0.00466$)

Color Ratio: $R=0.151$ $G=0.805$ $B=0.044$

Peak Wavelength: 450.7nm

Half Bandwidth: 16.5nm

Dominant Wavelength: 568.3nm

Color Purity: 0.118

Central Wave: 451.6nm

Gravity Wave: 451.4nm

CRI: $R_a=80.6$

TM30: $R_f=82$, $R_g=94$

GAI: $GAI_BB_8=89.2$, $GAI_BB_15=95.4$, $GAI_EES=78.7$

$R1=78$

$R2=86$

$R3=93$

$R4=80$

$R5=79$

$R6=82$

$R7=85$

$R8=62$

$R9=-8$

$R10=68$

$R11=79$

$R12=56$

$R13=80$

$R14=96$

$R15=71$

Color Quality Scale: $Q_a=79.7$, $Q_f=80.0$, $Q_p=79.5$, $Q_g=90.8$

$Q1=80$

$Q2=98$

$Q3=76$

$Q4=73$

$Q5=79$

$Q6=81$

$Q7=84$

$Q8=88$

$Q9=97$

$Q10=86$

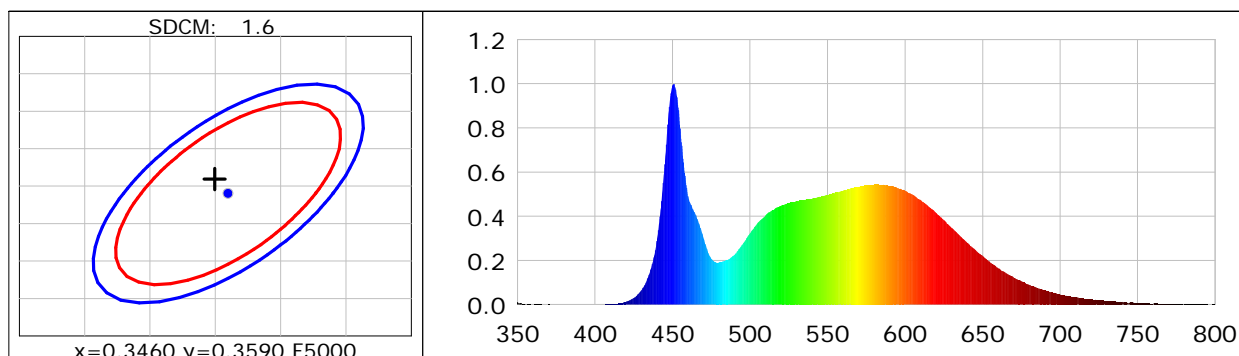
$Q11=82$

$Q12=81$

$Q13=80$

$Q14=67$

$Q15=72$



Photometric Parameters

Luminous Flux: 92145 lm

Efficiency: 155.39 lm/W

Radiant Power: 415.446 W

Total mains efficacy: 155.39 lm/W Energy Efficiency Class: A (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.83V

Current: 2.6994A

Power: 592.99W

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: 46938 (1789)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4 π

CCD Integration Time: 7.39 ms

Condition: Tx: 11.9°C, Ti: 12.1°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-02-12 10:05:28

Inspector: