



Lightsource Test Report

Product Infomation

Product Number: 301

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3774$ $y=0.3761$ $u(u')=0.2234$ $v=0.3339$ $v'=0.5009$

CCT: $T_c=4078K$ ($duv=0.00059$)

Color Ratio: $R=0.178$ $G=0.786$ $B=0.036$

Peak Wavelength: 449.3nm

Half Bandwidth: 17.8nm

Dominant Wavelength: 578.4nm

Color Purity: 0.262

Central Wave: 450.8nm

Gravity Wave: 450.2nm

CRI: $R_a=81.5$

TM30: $R_f=83$, $R_g=95$

GAI: $GAI_BB_8=90.7$, $GAI_BB_15=97.5$, $GAI_EES=72.7$

$R1=79$

$R2=88$

$R3=95$

$R4=81$

$R5=80$

$R6=84$

$R7=84$

$R8=60$

$R9=-3$

$R10=73$

$R11=80$

$R12=61$

$R13=82$

$R14=98$

$R15=72$

Color Quality Scale: $Q_a=81.3$, $Q_f=81.6$, $Q_p=81.0$, $Q_g=91.5$

$Q1=80$

$Q2=98$

$Q3=79$

$Q4=76$

$Q5=81$

$Q6=83$

$Q7=84$

$Q8=88$

$Q9=98$

$Q10=88$

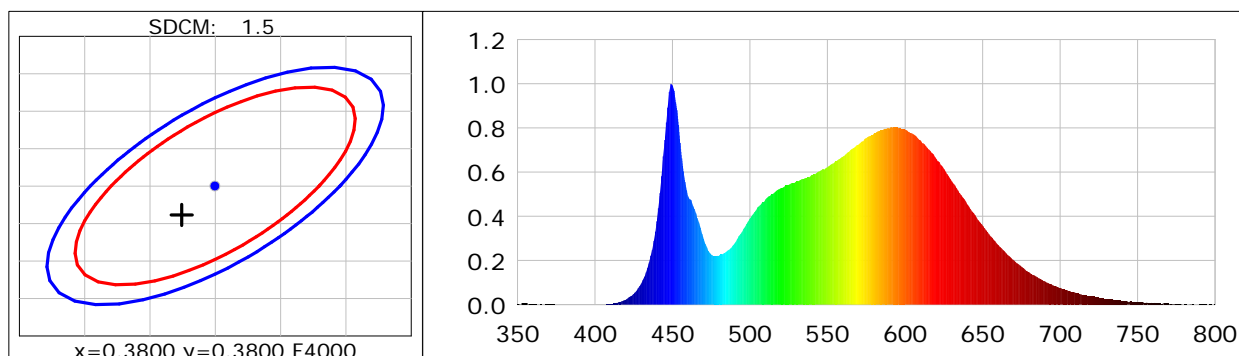
$Q11=84$

$Q12=82$

$Q13=82$

$Q14=69$

$Q15=73$



Photometric Parameters

Luminous Flux: 11600 lm

Efficiency: 229.17 lm/W

Radiant Power: 34.373 W

Total mains efficacy: 229.17 lm/W Energy Efficiency Class: A (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.44V

Current: 0.2323A

Power: 50.62W

Power Factor: 0.9929

Frequency: 49.99Hz

DF: 0.9936

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 50673 (3752)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4 π

CCD Integration Time: 106.41 ms

Condition: Tx: 32.9°C, Ti: 32.9°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-07-10 08:44:23

Inspector: