



Lightsource Test Report

Product Infomation

Product Number: 116

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4389$ $y=0.3957$ $u(u')=0.2555$ $v=0.3456$ $v'=0.5184$

CCT: $T_c=2999K$ ($duv=-0.00359$)

Color Ratio: $R=0.220$ $G=0.765$ $B=0.016$

Peak Wavelength: 595.2nm

Half Bandwidth: 111.0nm

Dominant Wavelength: 584.6nm

Color Purity: 0.505

Central Wave: 591.4nm

Gravity Wave: 592.6nm

CRI: $R_a=70.4$

TM30: $R_f=71$, $R_g=96$

GAI: $GAI_BB_8=101.2$, $GAI_BB_15=108.0$, $GAI_EES=55.2$

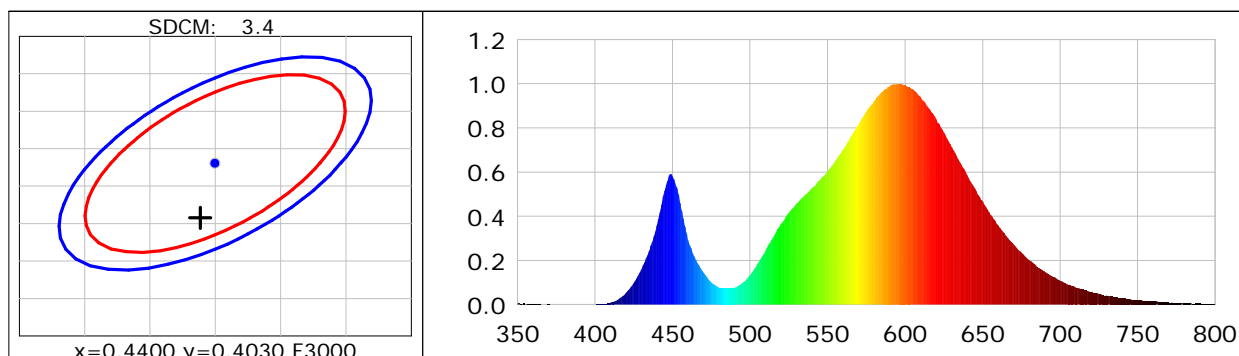
$R1=67$ $R2=81$ $R3=92$ $R4=66$ $R5=66$ $R6=74$ $R7=75$ $R8=42$

$R9=-34$ $R10=56$ $R11=59$ $R12=48$ $R13=70$ $R14=96$ $R15=61$

Color Quality Scale: $Q_a=69.3$, $Q_f=69.1$, $Q_p=74.7$, $Q_g=90.9$

$Q1=67$ $Q2=96$ $Q3=67$ $Q4=62$ $Q5=68$ $Q6=67$ $Q7=66$ $Q8=74$

$Q9=94$ $Q10=78$ $Q11=72$ $Q12=69$ $Q13=70$ $Q14=59$ $Q15=61$



Photometric Parameters

Luminous Flux: 27077 lm

Efficiency: 176.91 lm/W

Radiant Power: 77.844 W

Total mains efficacy: 176.91 lm/W Energy Efficiency Class: C (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.40V

Current: 0.7058A

Power: 153.06W

Power Factor: 0.9884

Frequency: 49.99Hz

DF: 0.9907

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: 43544 (4639)

CCD Integration Time: 43.62 ms

Condition: Tx: 38.6°C, Ti: 36.5°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-07-01 18:07:31

Inspector: