



Lightsource Test Report

Product Infomation

Product Number: 143

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4402$ $y=0.3966$ $u(u')=0.2560$ $v=0.3459$ $v'=0.5189$

CCT: $T_c=2984K$ ($duv=-0.00341$)

Color Ratio: $R=0.221$ $G=0.764$ $B=0.015$

Peak Wavelength: 595.7nm

Half Bandwidth: 110.6nm

Dominant Wavelength: 584.6nm

Color Purity: 0.512

Central Wave: 591.6nm

Gravity Wave: 593.1nm

CRI: $R_a=70.2$

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

GAI: $GAI_BB_8=101.0$, $GAI_BB_15=107.6$, $GAI_EES=54.7$

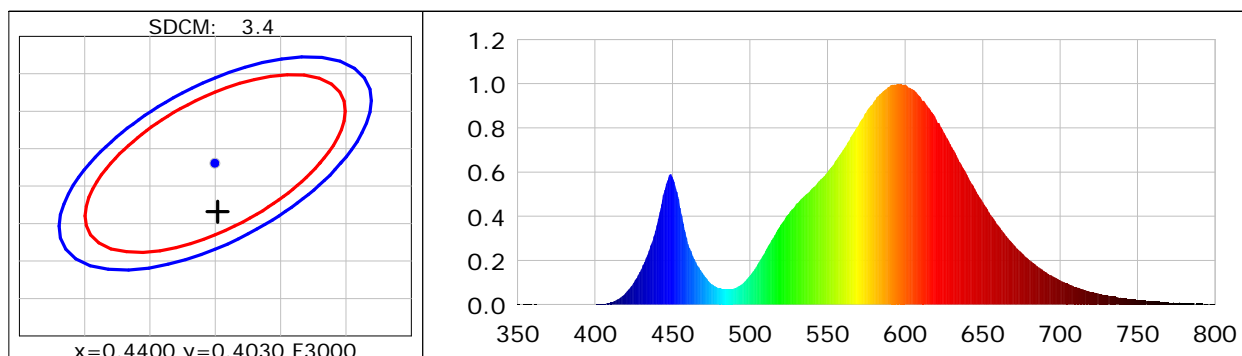
$R1=67$ $R2=81$ $R3=92$ $R4=65$ $R5=66$ $R6=74$ $R7=75$ $R8=42$

$R9=-35$ $R10=56$ $R11=59$ $R12=47$ $R13=69$ $R14=96$ $R15=60$

Color Quality Scale: $Q_a=69.2$, $Q_f=69.0$, $Q_p=74.6$, $Q_g=90.9$

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

$Q9=94$ $Q10=78$ $Q11=71$ $Q12=69$ $Q13=70$ $Q14=59$ $Q15=61$



Photometric Parameters

Luminous Flux: 34447 lm

Efficiency: 173.94 lm/W

Radiant Power: 102.412 W

Total mains efficacy: 173.94 lm/W Energy Efficiency Class: C (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.46V

Current: 0.9126A

Power: 198.04W

Power Factor: 0.9888

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: 44054 (4311)

CCD Integration Time: 33.45 ms

Condition: Tx: 37.4°C, Ti: 35.9°C, R.H.: 60%

Test Device: CMS-3500S

Test Lab:

Test Time: 2025-07-02 16:55:13

Operator:

Inspector: