



Lightsource Test Report

Product Infomation

Product Number: 40

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.2991$ $y=0.3242$ $u(u')=0.1901$ $v=0.3091$ $v'=0.4637$

CCT: $T_c=6850K$ ($duv=0.00785$)

Color Ratio: $R=0.122$ $G=0.823$ $B=0.055$

Peak Wavelength: 448.6nm

Half Bandwidth: 22.8nm

Dominant Wavelength: 488.2nm

Color Purity: 0.122

Central Wave: 449.5nm

Gravity Wave: 449.3nm

CRI: $R_a=80.1$

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

GAI: $GAI_BB_8=86.6$, $GAI_BB_15=91.4$, $GAI_EES=85.8$

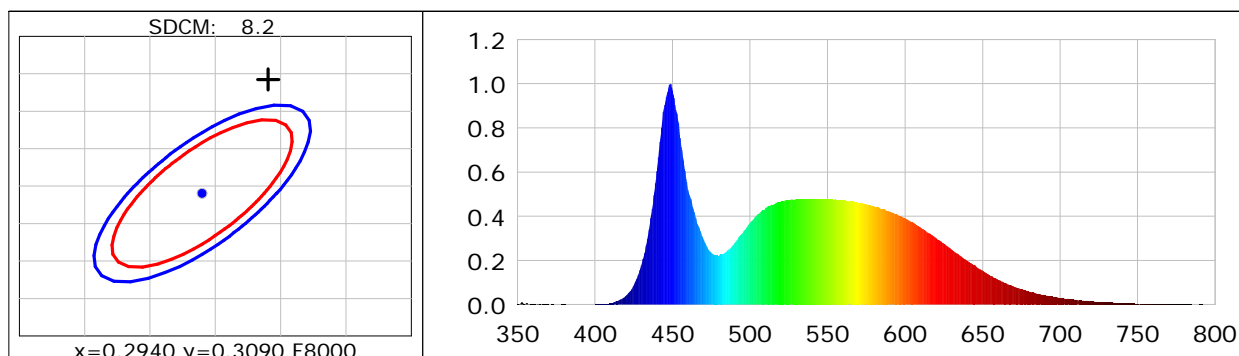
$R1=76$ $R2=84$ $R3=90$ $R4=80$ $R5=79$ $R6=79$ $R7=87$ $R8=66$

$R9=-12$ $R10=62$ $R11=79$ $R12=57$ $R13=78$ $R14=95$ $R15=70$

Color Quality Scale: $Q_a=80.7$, $Q_f=80.9$, $Q_p=80.6$, $Q_g=89.7$

$Q1=83$ $Q2=98$ $Q3=79$ $Q4=75$ $Q5=80$ $Q6=82$ $Q7=84$ $Q8=89$

$Q9=97$ $Q10=86$ $Q11=83$ $Q12=82$ $Q13=81$ $Q14=66$ $Q15=73$



Photometric Parameters

Luminous Flux: 59193 lm

Efficiency: 123.42 lm/W

Radiant Power: 157.544 W

Total mains efficacy: 123.42 lm/W Energy Efficiency Class: F (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 217.49V

Current: 3.1476A

Power: 479.61W

Power Factor: 0.7006

Frequency: 49.99Hz

DF: 0.9707

Test Infomation

Scan Range: 350~800:1nm

Photometric Method: sphere-spectroradiometer

Stabilization Time: 0 Min ALC.: 1.0000

Photometric Condition: Sphere diameter: 2.00m, 4 π

Max of Signal: 46278 (3108)

CCD Integration Time: 17.37 ms

Condition: Tx:29.2°C, Ti:27.6°C, R.H.:60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-07-23 16:02:51

Inspector: