



Lightsource Test Report

Product Infomation

Product Number: 44

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3016$ $y=0.3219$ $u(u')=0.1927$ $v=0.3085$ $v'=0.4628$

CCT: $T_c=6728K$ ($duv=0.00532$)

Color Ratio: $R=0.120$ $G=0.839$ $B=0.041$

Peak Wavelength: 442.2nm

Half Bandwidth: 18.5nm

Dominant Wavelength: 496.7nm

Color Purity: 0.116

Central Wave: 441.7nm

Gravity Wave: 441.8nm

CRI: $R_a=73.8$

TM30: $R_f=75$, $R_g=97$

GAI: $GAI_BB_8=89.5$, $GAI_BB_15=92.1$, $GAI_EES=88.2$

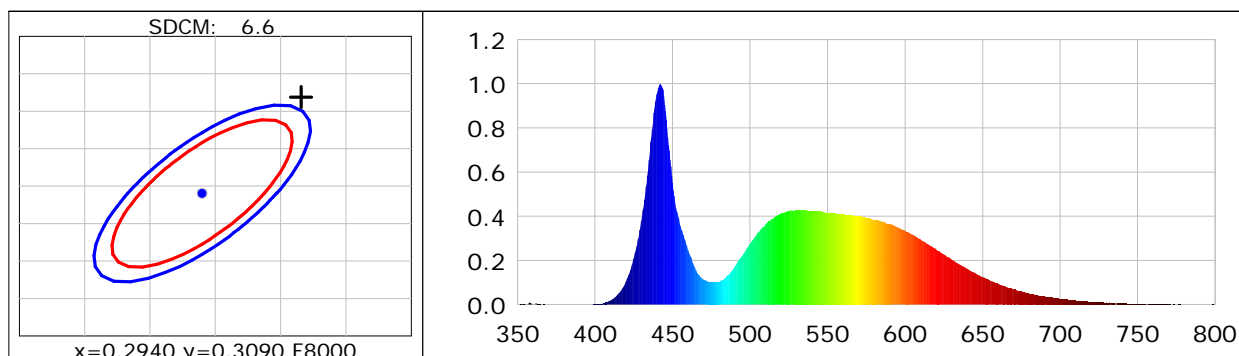
$R1=73$ $R2=75$ $R3=79$ $R4=75$ $R5=75$ $R6=71$ $R7=79$ $R8=63$

$R9=-24$ $R10=44$ $R11=78$ $R12=55$ $R13=72$ $R14=88$ $R15=65$

Color Quality Scale: $Q_a=76.6$, $Q_f=75.5$, $Q_p=79.9$, $Q_g=91.7$

$Q1=81$ $Q2=92$ $Q3=72$ $Q4=72$ $Q5=79$ $Q6=79$ $Q7=81$ $Q8=90$

$Q9=92$ $Q10=76$ $Q11=74$ $Q12=75$ $Q13=76$ $Q14=61$ $Q15=70$



Photometric Parameters

Luminous Flux: 20247 lm

Efficiency: 105.55 lm/W

Radiant Power: 90.211 W

Total mains efficacy: 105.55 lm/W Energy Efficiency Class: C (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 218.47V

Current: 1.3666A

Power: 191.82W

Power Factor: 0.6425

Frequency: 49.99Hz

DF: 0.9809

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: 44719 (3292)

CCD Integration Time: 24.78 ms

Condition: Tx: 30.1°C, Ti: 28.3°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-07-24 10:00:33

Inspector: