



## Lightsource Test Report

### Product Infomation

Product Number: 14

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3025$   $y=0.3156$   $u(u')=0.1958$   $v=0.3063$   $v'=0.4594$

CCT:  $T_c=6762K$  ( $duv=0.00155$ )

Color Ratio:  $R=0.126$   $G=0.821$   $B=0.054$

Peak Wavelength: 450.2nm

Half Bandwidth: 20.3nm

Dominant Wavelength: 483.9nm

Color Purity: 0.119

Central Wave: 451.2nm

Gravity Wave: 450.8nm

CRI:  $R_a=80.3$

TM30:  $R_f=79$ ,  $R_g=95$

GAI:  $GAI\_BB\_8=90.5$ ,  $GAI\_BB\_15=95.7$ ,  $GAI\_EES=90.7$

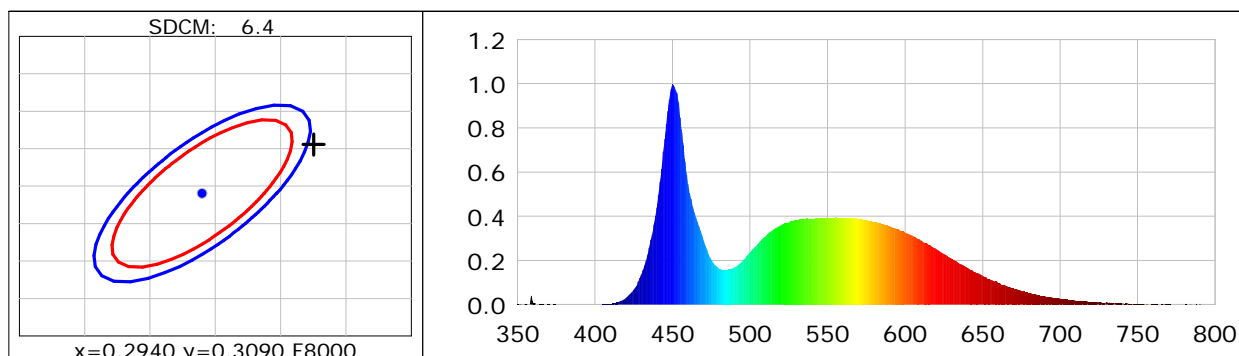
$R1=79$   $R2=84$   $R3=85$   $R4=81$   $R5=80$   $R6=77$   $R7=87$   $R8=70$

$R9=-0$   $R10=60$   $R11=80$   $R12=51$   $R13=80$   $R14=92$   $R15=76$

Color Quality Scale:  $Q_a=77.4$ ,  $Q_f=76.7$ ,  $Q_p=79.6$ ,  $Q_g=91.2$

$Q1=85$   $Q2=96$   $Q3=71$   $Q4=64$   $Q5=74$   $Q6=79$   $Q7=84$   $Q8=90$

$Q9=93$   $Q10=80$   $Q11=75$   $Q12=76$   $Q13=78$   $Q14=68$   $Q15=75$



### Photometric Parameters

Luminous Flux: 4830.0 lm

Efficiency: 100.73 lm/W

Radiant Power: 10.841 W

Total mains efficacy: 100.73 lm/W Energy Efficiency Class: F (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 219.46V

Current: 0.2206A

Power: 47.95W

Power Factor: 0.9915

Frequency: 49.99Hz

DF: 0.9990

### Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 46521 (2205)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4 $\pi$

CCD Integration Time: 484.07 ms

Condition: Tx: 14.7°C, Ti: 13.9°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2024-09-19 13:03:06

Inspector: