



## Lightsource Test Report

### Product Infomation

Product Number: 58

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3671$   $y=0.3608$   $u(u')=0.2226$   $v=0.3282$   $v'=0.4924$

CCT:  $T_c=4280K$  ( $duv=-0.00350$ )

Color Ratio:  $R=0.163$   $G=0.812$   $B=0.025$

Peak Wavelength: 443.9nm

Half Bandwidth: 22.3nm

Dominant Wavelength: 580.6nm

Color Purity: 0.184

Central Wave: 446.1nm

Gravity Wave: 445.4nm

CRI:  $R_a=72.5$

TM30:  $R_f=72$ ,  $R_g=96$

GAI:  $GAI\_BB\_8=94.5$ ,  $GAI\_BB\_15=100.1$ ,  $GAI\_EES=78.5$

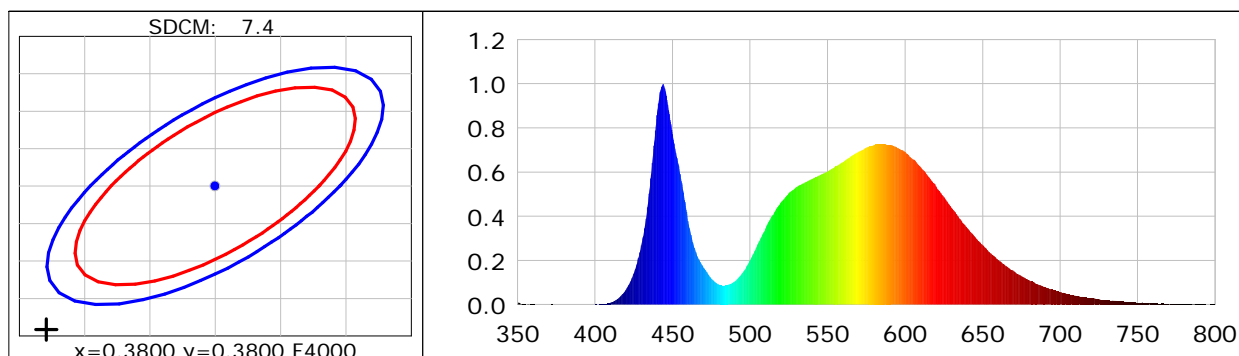
$R1=71$   $R2=78$   $R3=84$   $R4=73$   $R5=71$   $R6=70$   $R7=80$   $R8=54$

$R9=-29$   $R10=48$   $R11=70$   $R12=45$   $R13=72$   $R14=91$   $R15=65$

Color Quality Scale:  $Q_a=71.4$ ,  $Q_f=70.3$ ,  $Q_p=74.6$ ,  $Q_g=91.9$

$Q1=75$   $Q2=94$   $Q3=63$   $Q4=60$   $Q5=70$   $Q6=72$   $Q7=75$   $Q8=84$

$Q9=92$   $Q10=75$   $Q11=70$   $Q12=70$   $Q13=72$   $Q14=60$   $Q15=66$



### Photometric Parameters

Luminous Flux: 23494 lm

Efficiency: 154.33 lm/W

Radiant Power: 82.022 W

Total mains efficacy: 154.33 lm/W Energy Efficiency Class: C (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 219.50V

Current: 0.6977A

Power: 152.23W

Power Factor: 0.9940

Frequency: 49.99Hz

DF: 0.9954

### 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: 47668 (1886)

CCD Integration Time: 45.01 ms

Condition: Tx: 13.4°C, Ti: 13.8°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-01-06 09:40:05

Inspector: