



## Lightsource Test Report

### Product Infomation

Product Number: 89

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3699$   $y=0.3707$   $u(u')=0.2205$   $v=0.3316$   $v'=0.4973$

CCT:  $T_c=4260K$  ( $duv=0.00040$ )

Color Ratio:  $R=0.160$   $G=0.812$   $B=0.027$

Peak Wavelength: 450.2nm

Half Bandwidth: 17.5nm

Dominant Wavelength: 577.8nm

Color Purity: 0.223

Central Wave: 450.2nm

Gravity Wave: 450.1nm

CRI:  $R_a=72.5$

TM30:  $R_f=74$ ,  $R_g=93$

GAI:  $GAI\_BB\_8=88.3$ ,  $GAI\_BB\_15=96.3$ ,  $GAI\_EES=73.0$

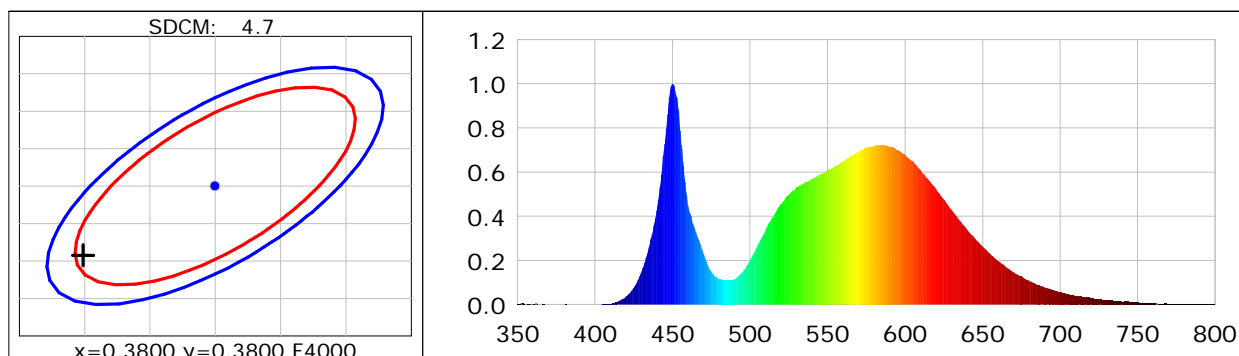
$R1=69$   $R2=79$   $R3=87$   $R4=71$   $R5=69$   $R6=71$   $R7=81$   $R8=52$

$R9=-33$   $R10=51$   $R11=67$   $R12=41$   $R13=71$   $R14=92$   $R15=63$

Color Quality Scale:  $Q_a=72.0$ ,  $Q_f=71.8$ ,  $Q_p=73.3$ ,  $Q_g=89.2$

$Q1=76$   $Q2=97$   $Q3=65$   $Q4=60$   $Q5=69$   $Q6=71$   $Q7=75$   $Q8=83$

$Q9=94$   $Q10=78$   $Q11=73$   $Q12=72$   $Q13=73$   $Q14=59$   $Q15=65$



### Photometric Parameters

Luminous Flux: 42086 lm

Efficiency: 171.17 lm/W

Radiant Power: 159.925 W

Total mains efficacy: 171.17 lm/W Energy Efficiency Class: A (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 219.68V

Current: 1.1281A

Power: 245.87W

Power Factor: 0.9921

Frequency: 49.99Hz

DF: 0.9933

### 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: 45354 (2712)

CCD Integration Time: 19.65 ms

Condition:  $T_x=25.1^{\circ}C$ ,  $T_i=23.9^{\circ}C$ , R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-10-22 15:30:13

Inspector: