



## Lightsource Test Report

### Product Infomation

Product Number: 423

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3079$   $y=0.3349$   $u(u')=0.1923$   $v=0.3138$   $v'=0.4708$

CCT:  $T_c=6716K$  ( $duv=0.00862$ )

Color Ratio:  $R=0.118$   $G=0.836$   $B=0.047$

Peak Wavelength: 455.9nm

Half Bandwidth: 17.9nm

Dominant Wavelength: 492.5nm

Color Purity: 0.085

Central Wave: 456.1nm

Gravity Wave: 456.1nm

CRI:  $R_a=73.2$

TM30:  $R_f=74$ ,  $R_g=88$

GAI:  $GAI\_BB\_8=80.2$ ,  $GAI\_BB\_15=88.3$ ,  $GAI\_EES=77.7$

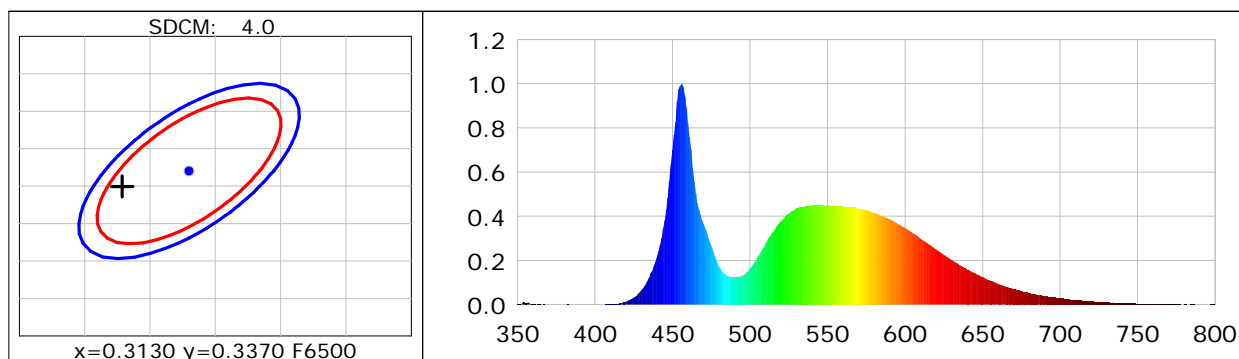
$R1=69$   $R2=80$   $R3=86$   $R4=69$   $R5=69$   $R6=72$   $R7=84$   $R8=56$

$R9=-39$   $R10=51$   $R11=64$   $R12=36$   $R13=72$   $R14=92$   $R15=63$

Color Quality Scale:  $Q_a=71.7$ ,  $Q_f=72.0$ ,  $Q_p=71.0$ ,  $Q_g=84.5$

$Q1=76$   $Q2=98$   $Q3=70$   $Q4=57$   $Q5=64$   $Q6=67$   $Q7=74$   $Q8=83$

$Q9=94$   $Q10=81$   $Q11=74$   $Q12=74$   $Q13=74$   $Q14=57$   $Q15=65$



### Photometric Parameters

Luminous Flux: 12316 lm

Efficiency: 151.64 lm/W

Radiant Power: 43.124 W

Total mains efficacy: 151.64 lm/W Energy Efficiency Class: C (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 110.49V

Current: 0.7355A

Power: 81.22W

Power Factor: 0.9995

Frequency: 49.99Hz

DF: 1.0000

### 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 $\pi$

Max of Signal: 44726 (3681)

CCD Integration Time: 49.19 ms

Condition: Tx: 33.2°C, Ti: 33.3°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-08-23 08:38:16

Inspector: