



## Lightsource Test Report

### Product Infomation

Product Number: 285

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3001$   $y=0.3249$   $u(u')=0.1906$   $v=0.3095$   $v'=0.4643$

CCT:  $T_c=6876K$  ( $duv=0.00768$ )

Color Ratio:  $R=0.126$   $G=0.823$   $B=0.051$

Peak Wavelength: 448.4nm

Half Bandwidth: 21.5nm

Dominant Wavelength: 488.4nm

Color Purity: 0.118

Central Wave: 448.6nm

Gravity Wave: 448.4nm

CRI:  $R_a=80.9$

TM30:  $R_f=82$ ,  $R_g=96$

GAI:  $GAI\_BB\_8=89.0$ ,  $GAI\_BB\_15=93.6$ ,  $GAI\_EES=88.0$

$R1=79$

$R2=83$

$R3=87$

$R4=82$

$R5=80$

$R6=79$

$R7=88$

$R8=71$

$R9=2$

$R10=60$

$R11=81$

$R12=57$

$R13=79$

$R14=93$

$R15=73$

Color Quality Scale:  $Q_a=82.3$ ,  $Q_f=82.1$ ,  $Q_p=83.2$ ,  $Q_g=92.1$

$Q1=86$

$Q2=97$

$Q3=78$

$Q4=76$

$Q5=82$

$Q6=84$

$Q7=86$

$Q8=91$

$Q9=95$

$Q10=85$

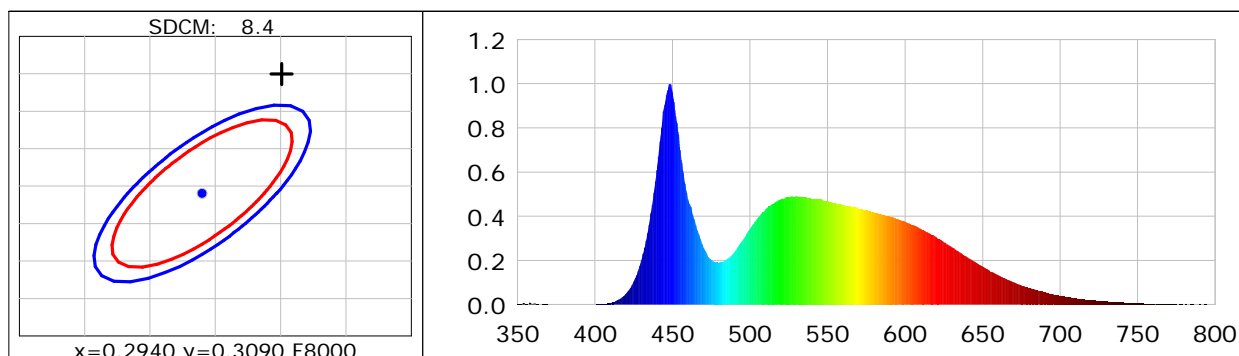
$Q11=83$

$Q12=84$

$Q13=84$

$Q14=71$

$Q15=76$



### Photometric Parameters

Luminous Flux: 12283 lm

Efficiency: 121.31 lm/W

Radiant Power: 49.893 W

Total mains efficacy: 121.31 lm/W Energy Efficiency Class: D (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 219.44V

Current: 0.4686A

Power: 101.25W

Power Factor: 0.9846

Frequency: 49.99Hz

DF: 0.9934

### Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 50615 (3299)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 59.16 ms

Condition: Tx:29.7°C, Ti:27.8°C, R.H.:60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-10-16 09:35:53

Inspector: