



## Lightsource Test Report

### Product Infomation

Product Number: 287

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3789$   $y=0.3770$   $u(u')=0.2240$   $v=0.3343$   $v'=0.5015$

CCT:  $T_c=4044K$  ( $duv=0.00055$ )

Color Ratio:  $R=0.179$   $G=0.785$   $B=0.036$

Peak Wavelength: 449.4nm

Half Bandwidth: 17.5nm

Dominant Wavelength: 578.6nm

Color Purity: 0.269

Central Wave: 450.6nm

Gravity Wave: 450.1nm

CRI:  $R_a=81.5$

TM30:  $R_f=83$ ,  $R_g=95$

GAI:  $GAI\_BB\_8=90.8$ ,  $GAI\_BB\_15=97.6$ ,  $GAI\_EES=72.3$

$R1=79$

$R2=88$

$R3=95$

$R4=81$

$R5=80$

$R6=84$

$R7=84$

$R8=60$

$R9=-3$

$R10=73$

$R11=80$

$R12=61$

$R13=82$

$R14=98$

$R15=72$

Color Quality Scale:  $Q_a=81.3$ ,  $Q_f=81.6$ ,  $Q_p=81.0$ ,  $Q_g=91.6$

$Q1=80$

$Q2=98$

$Q3=79$

$Q4=76$

$Q5=81$

$Q6=83$

$Q7=84$

$Q8=88$

$Q9=98$

$Q10=88$

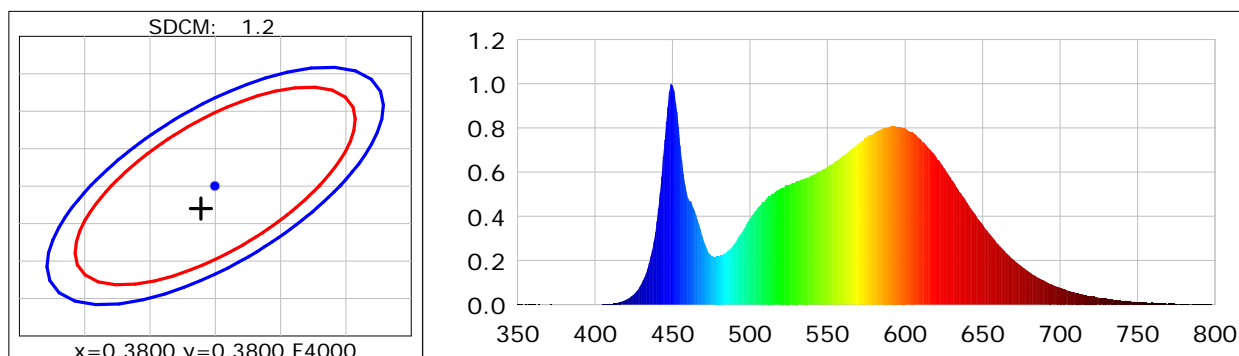
$Q11=84$

$Q12=82$

$Q13=82$

$Q14=69$

$Q15=73$



### Photometric Parameters

Luminous Flux: 27029 lm

Efficiency: 181.07 lm/W

Radiant Power: 80.035 W

Total mains efficacy: 181.07 lm/W Energy Efficiency Class: C (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 219.22V

Current: 0.6818A

Power: 149.28W

Power Factor: 0.9987

Frequency: 49.99Hz

DF: 0.9999

### Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 50886 (3990)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 45.93 ms

Condition: Tx: 35.0°C, Ti: 33.5°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-07-09 13:47:40

Inspector: