



## Lightsource Test Report

### Product Infomation

Product Number: 16

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3101$   $y=0.3322$   $u(u')=0.1949$   $v=0.3131$   $v'=0.4696$

CCT:  $T_c=6620K$  ( $duv=0.00610$ )

Color Ratio:  $R=0.128$   $G=0.817$   $B=0.055$

Peak Wavelength: 449.0nm

Half Bandwidth: 25.6nm

Dominant Wavelength: 491.1nm

Color Purity: 0.079

Central Wave: 451.0nm

Gravity Wave: 450.4nm

CRI:  $R_a=81.4$

TM30:  $R_f=82$ ,  $R_g=95$

GAI:  $GAI\_BB\_8=88.3$ ,  $GAI\_BB\_15=93.0$ ,  $GAI\_EES=86.6$

$R1=79$

$R2=86$

$R3=91$

$R4=82$

$R5=80$

$R6=81$

$R7=87$

$R8=66$

$R9=-7$

$R10=66$

$R11=81$

$R12=59$

$R13=80$

$R14=95$

$R15=73$

Color Quality Scale:  $Q_a=80.7$ ,  $Q_f=80.8$ ,  $Q_p=80.8$ ,  $Q_g=90.3$

$Q1=83$

$Q2=98$

$Q3=79$

$Q4=74$

$Q5=80$

$Q6=82$

$Q7=85$

$Q8=90$

$Q9=97$

$Q10=86$

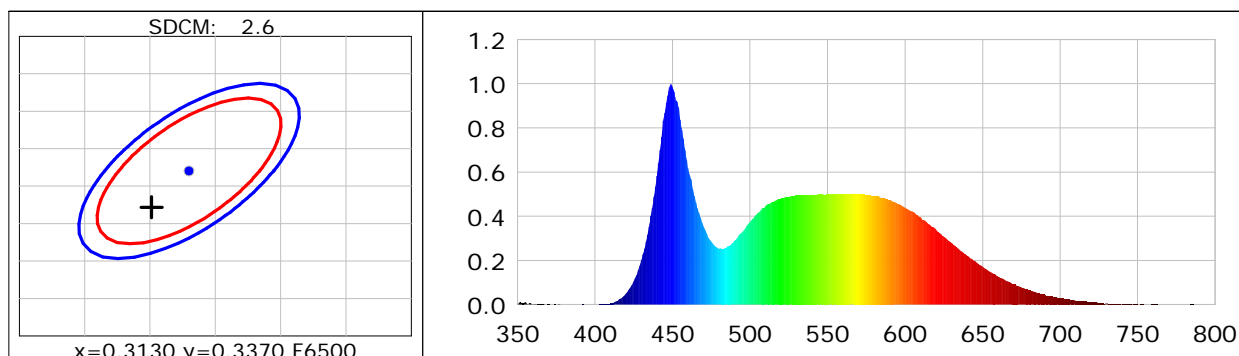
$Q11=82$

$Q12=81$

$Q13=81$

$Q14=67$

$Q15=73$



### Photometric Parameters

Luminous Flux: 2075.1 lm

Efficiency: 109.33 lm/W

Radiant Power: 7.903 W

Total mains efficacy: 109.33 lm/W Energy Efficiency Class: D (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 219.56V

Current: 0.0932A

Power: 18.98W

Power Factor: 0.9768

Frequency: 49.99Hz

DF: 0.9898

### Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 46408 (2258)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 371.28 ms

Condition: Tx: 16.4°C, Ti: 15.8°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-12-24 10:02:26

Inspector: