



## Lightsource Test Report

### Product Infomation

Product Number: 333

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3822$   $y=0.3805$   $u(u')=0.2247$   $v=0.3357$   $v'=0.5035$

CCT:  $T_c=3982K$  ( $duv=0.00126$ )

Color Ratio:  $R=0.167$   $G=0.804$   $B=0.028$

Peak Wavelength: 454.4nm

Half Bandwidth: 20.4nm

Dominant Wavelength: 578.5nm

Color Purity: 0.289

Central Wave: 454.7nm

Gravity Wave: 454.5nm

CRI:  $R_a=72.4$

TM30:  $R_f=74$ ,  $R_g=91$

GAI:  $GAI\_BB\_8=85.5$ ,  $GAI\_BB\_15=95.1$ ,  $GAI\_EES=67.2$

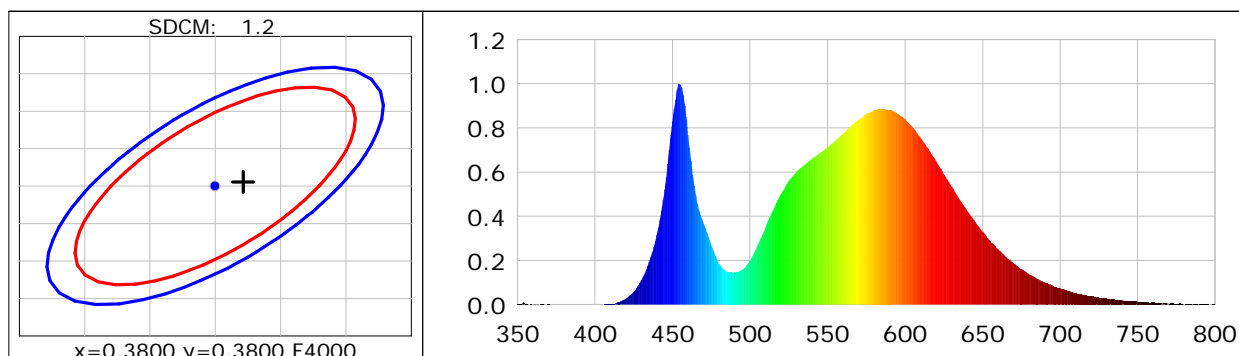
$R1=69$   $R2=81$   $R3=90$   $R4=68$   $R5=68$   $R6=73$   $R7=80$   $R8=49$

$R9=-35$   $R10=54$   $R11=62$   $R12=40$   $R13=72$   $R14=94$   $R15=63$

Color Quality Scale:  $Q_a=71.8$ ,  $Q_f=72.1$ ,  $Q_p=71.7$ ,  $Q_g=87.3$

$Q1=75$   $Q2=98$   $Q3=68$   $Q4=59$   $Q5=66$   $Q6=69$   $Q7=73$   $Q8=82$

$Q9=95$   $Q10=80$   $Q11=74$   $Q12=73$   $Q13=73$   $Q14=59$   $Q15=65$



### Photometric Parameters

Luminous Flux: 46448 lm

Efficiency: 151.85 lm/W

Radiant Power: 129.855 W

Total mains efficacy: 151.85 lm/W Energy Efficiency Class: D (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 219.87V

Current: 1.3931A

Power: 305.88W

Power Factor: 0.9986

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, 4T

Max of Signal: 46118 (2463)

CCD Integration Time: 30.93 ms

Condition:  $T_x=21.8^{\circ}C$ ,  $T_i=19.8^{\circ}C$ , R.H.: 60%

Test Device: CMS-3500S

Test Lab:

Test Time: 2024-12-03 14:34:17

Operator:

Inspector: