



## Lightsource Test Report

### Product Infomation

Product Number: 158

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3140$   $y=0.3320$   $u(u')=0.1976$   $v=0.3134$   $v'=0.4701$

CCT:  $T_c=6412K$  ( $duv=0.00408$ )

Color Ratio:  $R=0.133$   $G=0.816$   $B=0.051$

Peak Wavelength: 447.7nm

Half Bandwidth: 32.6nm

Dominant Wavelength: 490.9nm

Color Purity: 0.066

Central Wave: 452.0nm

Gravity Wave: 450.7nm

CRI:  $R_a=80.4$

TM30:  $R_f=82$ ,  $R_g=94$

GAI:  $GAI\_BB\_8=88.1$ ,  $GAI\_BB\_15=92.9$ ,  $GAI\_EES=84.1$

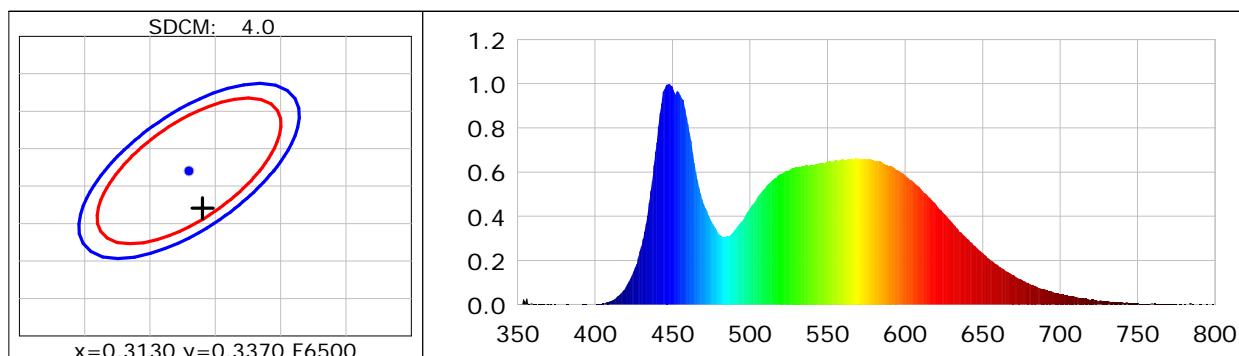
$R1=77$   $R2=85$   $R3=91$   $R4=80$   $R5=79$   $R6=81$   $R7=86$   $R8=64$

$R9=-11$   $R10=65$   $R11=79$   $R12=60$   $R13=79$   $R14=95$   $R15=71$

Color Quality Scale:  $Q_a=79.6$ ,  $Q_f=79.8$ ,  $Q_p=79.5$ ,  $Q_g=90.0$

$Q1=82$   $Q2=98$   $Q3=78$   $Q4=73$   $Q5=78$   $Q6=80$   $Q7=84$   $Q8=89$

$Q9=96$   $Q10=85$   $Q11=81$   $Q12=80$   $Q13=79$   $Q14=66$   $Q15=72$



### Photometric Parameters

Luminous Flux: 22605 lm

Efficiency: 101.56 lm/W

Radiant Power: 77.384 W

Total mains efficacy: 101.56 lm/W Energy Efficiency Class: E (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 219.55V

Current: 1.0240A

Power: 222.58W

Power Factor: 0.9900

Frequency: 49.99Hz

DF: 0.9978

### 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: 45487 (4067)

CCD Integration Time: 108.24 ms

Condition: Tx: 34.1°C, Ti: 32.4°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2024-09-12 18:26:49

Inspector: