



## Lightsource Test Report

### Product Infomation

Product Number: 145

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3113$   $y=0.3335$   $u(u')=0.1952$   $v=0.3137$   $v'=0.4705$

CCT:  $T_c=6544K$  ( $duv=0.00619$ )

Color Ratio:  $R=0.135$   $G=0.817$   $B=0.048$

Peak Wavelength: 446.5nm

Half Bandwidth: 25.4nm

Dominant Wavelength: 491.9nm

Color Purity: 0.074

Central Wave: 448.0nm

Gravity Wave: 447.6nm

CRI:  $R_a=82.3$

TM30:  $R_f=84$ ,  $R_g=97$

GAI:  $GAI\_BB\_8=91.3$ ,  $GAI\_BB\_15=95.4$ ,  $GAI\_EES=87.7$

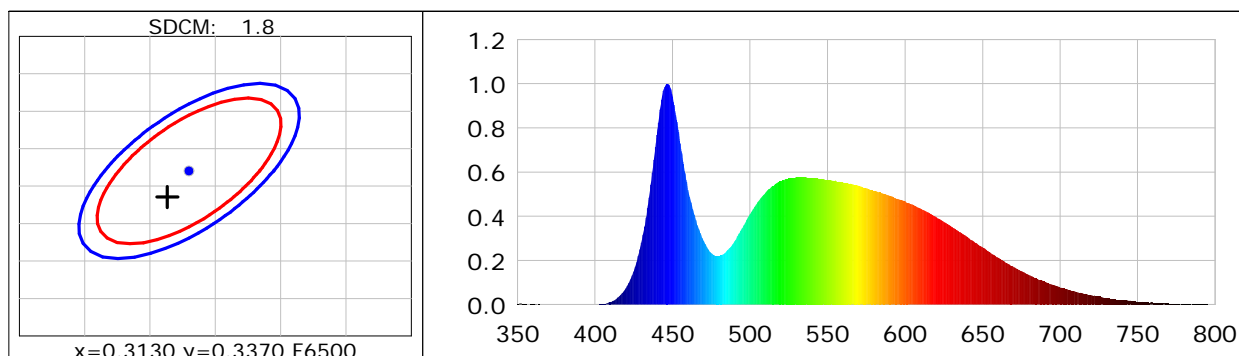
$R1=81$   $R2=84$   $R3=87$   $R4=83$   $R5=82$   $R6=80$   $R7=88$   $R8=74$

$R9=16$   $R10=63$   $R11=83$   $R12=61$   $R13=81$   $R14=93$   $R15=76$

Color Quality Scale:  $Q_a=83.9$ ,  $Q_f=83.5$ ,  $Q_p=85.0$ ,  $Q_g=94.0$

$Q1=87$   $Q2=96$   $Q3=79$   $Q4=78$   $Q5=84$   $Q6=85$   $Q7=86$   $Q8=92$

$Q9=95$   $Q10=85$   $Q11=84$   $Q12=84$   $Q13=85$   $Q14=75$   $Q15=79$



### Photometric Parameters

Luminous Flux: 10584 lm

Efficiency: 110.71 lm/W

Radiant Power: 39.593 W

Total mains efficacy: 110.71 lm/W Energy Efficiency Class: E (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 219.34V

Current: 0.4511A

Power: 95.60W

Power Factor: 0.9673

Frequency: 49.99Hz

DF: 0.9919

### 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: 52918 (3019)

CCD Integration Time: 73.23 ms

Condition: Tx:27.4°C, Ti:26.0°C, R.H.:60%

Test Device: CMS-3500S

Test Lab:

Test Time: 2025-05-28 14:22:22

Operator:

Inspector: