



## Lightsource Test Report

### Product Infomation

Product Number: 245

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3221$   $y=0.3434$   $u(u')=0.1989$   $v=0.3181$   $v'=0.4772$

CCT:  $T_c=5866K$  ( $duv=0.00591$ )

Color Ratio:  $R=0.136$   $G=0.811$   $B=0.053$

Peak Wavelength: 453.7nm

Half Bandwidth: 17.1nm

Dominant Wavelength: 503.8nm

Color Purity: 0.034

Central Wave: 454.4nm

Gravity Wave: 454.3nm

CRI:  $R_a=81.3$

TM30:  $R_f=81$ ,  $R_g=92$

GAI:  $GAI\_BB\_8=87.1$ ,  $GAI\_BB\_15=93.8$ ,  $GAI\_EES=82.7$

$R1=79$

$R2=88$

$R3=92$

$R4=79$

$R5=79$

$R6=82$

$R7=86$

$R8=65$

$R9=-4$

$R10=70$

$R11=78$

$R12=52$

$R13=82$

$R14=96$

$R15=73$

Color Quality Scale:  $Q_a=79.6$ ,  $Q_f=79.8$ ,  $Q_p=78.9$ ,  $Q_g=89.4$

$Q1=80$

$Q2=98$

$Q3=77$

$Q4=70$

$Q5=75$

$Q6=78$

$Q7=83$

$Q8=88$

$Q9=97$

$Q10=87$

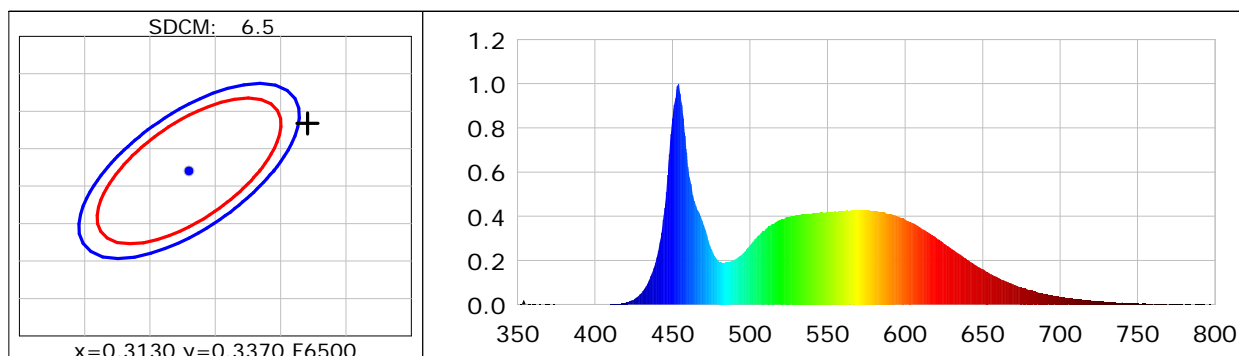
$Q11=83$

$Q12=82$

$Q13=81$

$Q14=68$

$Q15=73$



### Photometric Parameters

Luminous Flux: 167807 lm

Efficiency: 143.95 lm/W

Radiant Power: 447.405 W

Total mains efficacy: 143.95 lm/W Energy Efficiency Class: E (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 219.47V

Current: 5.4043A

Power: 1165.73W

Power Factor: 0.9828

Frequency: 49.99Hz

DF: 0.9844

### Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 45818 (2390)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 5.28 ms

Condition: Tx:21.5°C, Ti:21.3°C, R.H.:60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-11-05 08:28:24

Inspector: