



## Lightsource Test Report

### Product Infomation

Product Number: 93

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3008$   $y=0.3204$   $u(u')=0.1927$   $v=0.3079$   $v'=0.4619$

CCT:  $T_c=6700K$  ( $duv=0.00500$ )

Color Ratio:  $R=0.127$   $G=0.819$   $B=0.055$

Peak Wavelength: 448.2nm

Half Bandwidth: 24.3nm

Dominant Wavelength: 486.5nm

Color Purity: 0.120

Central Wave: 448.3nm

Gravity Wave: 448.2nm

CRI:  $R_a=81.5$

TM30:  $R_f=83$ ,  $R_g=96$

GAI:  $GAI\_BB\_8=89.7$ ,  $GAI\_BB\_15=93.7$ ,  $GAI\_EES=88.6$

$R1=79$

$R2=84$

$R3=89$

$R4=82$

$R5=81$

$R6=80$

$R7=87$

$R8=69$

$R9=-1$

$R10=64$

$R11=82$

$R12=61$

$R13=80$

$R14=94$

$R15=73$

Color Quality Scale:  $Q_a=81.7$ ,  $Q_f=81.6$ ,  $Q_p=82.5$ ,  $Q_g=91.7$

$Q1=85$

$Q2=97$

$Q3=78$

$Q4=76$

$Q5=82$

$Q6=84$

$Q7=86$

$Q8=91$

$Q9=96$

$Q10=85$

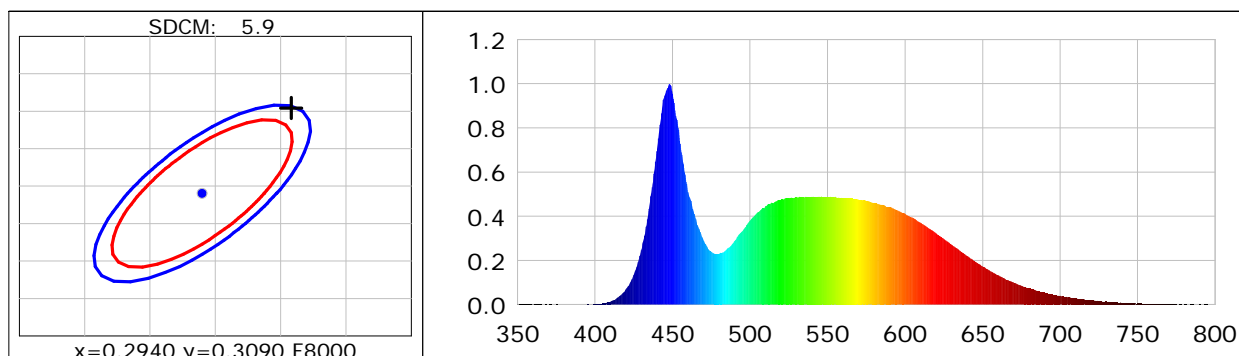
$Q11=82$

$Q12=82$

$Q13=82$

$Q14=69$

$Q15=75$



### Photometric Parameters

Luminous Flux: 14431 lm

Efficiency: 96.69 lm/W

Radiant Power: 62.368 W

Total mains efficacy: 96.69 lm/W Energy Efficiency Class: E (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 228.99V

Current: 0.6984A

Power: 149.25W

Power Factor: 0.9332

Frequency: 49.99Hz

DF: 0.9946

### Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 46262 (3482)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 46.03 ms

Condition: Tx: 31.9°C, Ti: 30.6°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-07-17 15:22:21

Inspector: