



## Lightsource Test Report

### Product Infomation

Product Number: 65

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3800$   $y=0.3768$   $u(u')=0.2248$   $v=0.3344$   $v'=0.5015$

CCT:  $T_c=4014K$  ( $duv=0.00017$ )

Color Ratio:  $R=0.170$   $G=0.810$   $B=0.020$

Peak Wavelength: 444.4nm

Half Bandwidth: 16.6nm

Dominant Wavelength: 578.9nm

Color Purity: 0.271

Central Wave: 444.3nm

Gravity Wave: 444.2nm

CRI:  $R_a=72.1$

TM30:  $R_f=72$ ,  $R_g=97$

GAI:  $GAI\_BB\_8=92.1$ ,  $GAI\_BB\_15=97.4$ ,  $GAI\_EES=72.9$

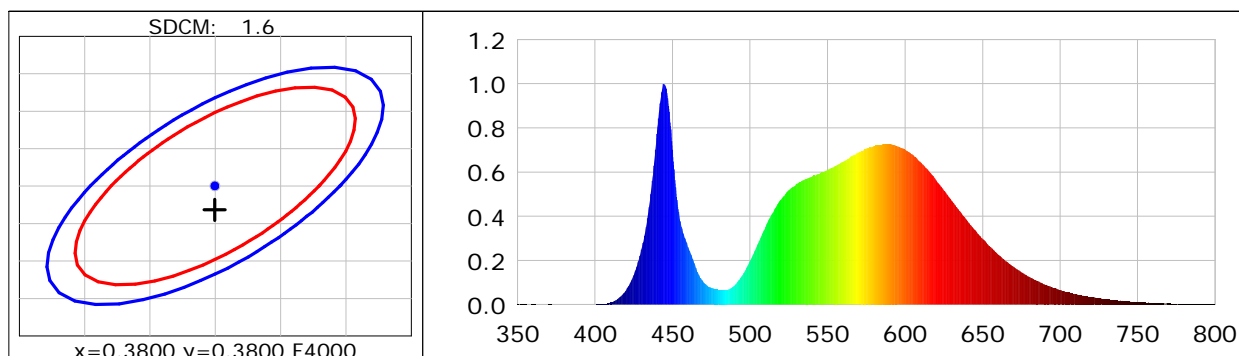
$R1=70$   $R2=77$   $R3=83$   $R4=73$   $R5=70$   $R6=69$   $R7=80$   $R8=54$

$R9=-27$   $R10=46$   $R11=71$   $R12=43$   $R13=71$   $R14=90$   $R15=64$

Color Quality Scale:  $Q_a=72.7$ ,  $Q_f=71.9$ ,  $Q_p=75.6$ ,  $Q_g=92.4$

$Q1=74$   $Q2=94$   $Q3=66$   $Q4=64$   $Q5=72$   $Q6=72$   $Q7=74$   $Q8=84$

$Q9=93$   $Q10=76$   $Q11=73$   $Q12=73$   $Q13=75$   $Q14=61$   $Q15=66$



### Photometric Parameters

Luminous Flux: 16082 lm

Efficiency: 153.48 lm/W

Radiant Power: 75.033 W

Total mains efficacy: 153.48 lm/W Energy Efficiency Class: A (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 219.51V

Current: 0.4884A

Power: 104.78W

Power Factor: 0.9773

Frequency: 49.99Hz

DF: 0.9813

### 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: 53898 (2630)

CCD Integration Time: 58.51 ms

Condition:  $T_x=23.4^{\circ}C$ ,  $T_i=22.0^{\circ}C$ , R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-04-27 09:55:26

Inspector: