



## Lightsource Test Report

### Product Infomation

Product Number: 159

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3455$   $y=0.3716$   $u(u')=0.2042$   $v=0.3294$   $v'=0.4941$

CCT:  $T_c=5048K$  ( $duv=0.00954$ )

Color Ratio:  $R=0.136$   $G=0.834$   $B=0.030$

Peak Wavelength: 446.4nm

Half Bandwidth: 21.5nm

Dominant Wavelength: 565.7nm

Color Purity: 0.152

Central Wave: 446.1nm

Gravity Wave: 446.1nm

CRI:  $R_a=71.4$

TM30:  $R_f=74$ ,  $R_g=94$

GAI:  $GAI\_BB\_8=83.9$ ,  $GAI\_BB\_15=89.3$ ,  $GAI\_EES=74.2$

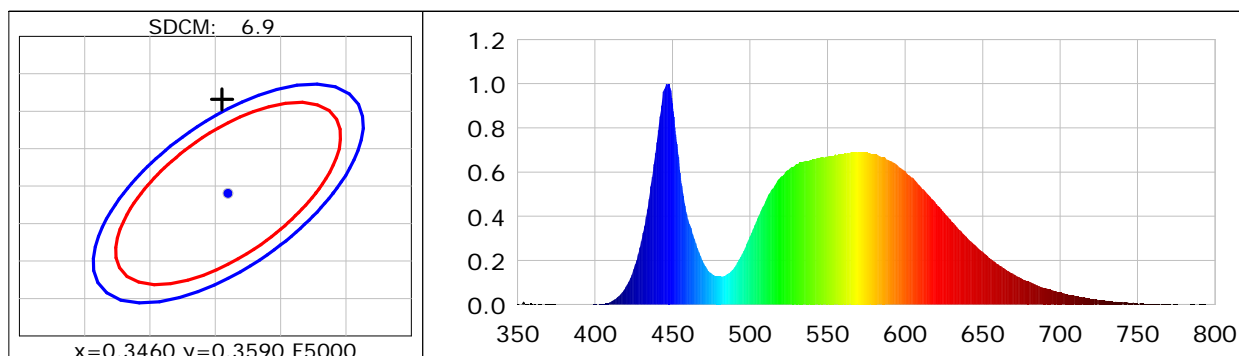
$R1=67$   $R2=75$   $R3=83$   $R4=73$   $R5=69$   $R6=68$   $R7=81$   $R8=54$

$R9=-41$   $R10=44$   $R11=71$   $R12=45$   $R13=68$   $R14=91$   $R15=60$

Color Quality Scale:  $Q_a=73.5$ ,  $Q_f=73.5$ ,  $Q_p=74.1$ ,  $Q_g=88.8$

$Q1=76$   $Q2=95$   $Q3=70$   $Q4=67$   $Q5=73$   $Q6=74$   $Q7=76$   $Q8=85$

$Q9=94$   $Q10=78$   $Q11=74$   $Q12=74$   $Q13=74$   $Q14=57$   $Q15=64$



### Photometric Parameters

Luminous Flux: 10552 lm

Efficiency: 112.04 lm/W

Radiant Power: 34.340 W

Total mains efficacy: 112.04 lm/W Energy Efficiency Class: E (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 219.22V

Current: 0.4362A

Power: 94.18W

Power Factor: 0.9850

Frequency: 49.99Hz

DF: 0.9954

### 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: 47484 (2614)

CCD Integration Time: 100.62 ms

Condition:  $T_x=23.2^{\circ}C$ ,  $T_i=23.1^{\circ}C$ , R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-10-25 09:14:28

Inspector: