



## Lightsource Test Report

### Product Infomation

Product Number: 4

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3127$   $y=0.3281$   $u(u')=0.1982$   $v=0.3119$   $v'=0.4678$

CCT:  $T_c=6512K$  ( $duv=0.00272$ )

Color Ratio:  $R=0.125$   $G=0.841$   $B=0.034$

Peak Wavelength: 441.5nm

Half Bandwidth: 19.7nm

Dominant Wavelength: 488.4nm

Color Purity: 0.073

Central Wave: 440.8nm

Gravity Wave: 441.2nm

CRI:  $R_a=71.4$

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

GAI:  $GAI\_BB\_8=90.3$ ,  $GAI\_BB\_15=92.9$ ,  $GAI\_EES=86.6$

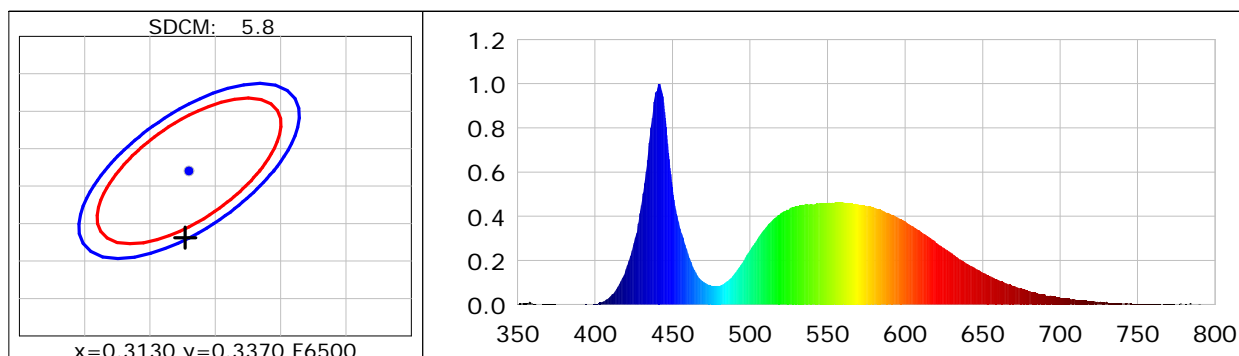
$R1=71$   $R2=73$   $R3=76$   $R4=73$   $R5=73$   $R6=67$   $R7=77$   $R8=60$

$R9=-29$   $R10=38$   $R11=75$   $R12=51$   $R13=69$   $R14=87$   $R15=64$

Color Quality Scale:  $Q_a=73.4$ ,  $Q_f=72.0$ ,  $Q_p=77.6$ ,  $Q_g=91.7$

$Q1=79$   $Q2=91$   $Q3=68$   $Q4=67$   $Q5=75$   $Q6=76$   $Q7=78$   $Q8=88$

$Q9=90$   $Q10=72$   $Q11=69$   $Q12=71$   $Q13=73$   $Q14=59$   $Q15=68$



### Photometric Parameters

Luminous Flux: 17880 lm

Efficiency: 122.66 lm/W

Radiant Power: 55.640 W

Total mains efficacy: 122.66 lm/W Energy Efficiency Class: E (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 219.40V

Current: 0.6715A

Power: 145.77W

Power Factor: 0.9894

Frequency: 49.99Hz

DF: 0.9914

### 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: 43946 (4272)

CCD Integration Time: 106.66 ms

Condition: Tx: 35.4°C, Ti: 33.7°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2024-09-04 10:05:34

Inspector: