

## Lightsource Test Report

### Product Infomation

Product Number: 319

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3341$   $y=0.3484$   $u(u')=0.2052$   $v=0.3210$   $v'(v')=0.4814$

CCT:  $T_c=5434K$  ( $duv=0.00297$ )

Color Ratio:  $R=0.135$   $G=0.826$   $B=0.039$

Peak Wavelength: 453.4nm

Half Bandwidth: 19.2nm

Dominant Wavelength: 556.7nm

Color Purity: 0.048

Central Wave: 452.9nm

Gravity Wave: 452.9nm

CRI:  $R_a=73.9$

TM30:  $R_f=75$ ,  $R_g=92$

GAI:  $GAI\_BB\_8=86.7$ ,  $GAI\_BB\_15=93.9$ ,  $GAI\_EES=79.4$

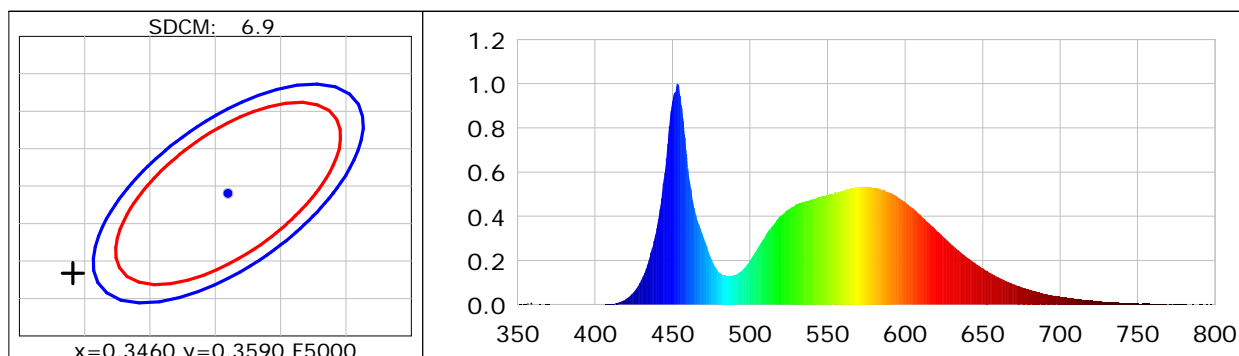
$R1=71$   $R2=80$   $R3=86$   $R4=73$   $R5=71$   $R6=72$   $R7=82$   $R8=55$

$R9=-35$   $R10=52$   $R11=69$   $R12=43$   $R13=73$   $R14=92$   $R15=65$

Color Quality Scale:  $Q_a=71.5$ ,  $Q_f=71.4$ ,  $Q_p=72.4$ ,  $Q_g=87.8$

$Q1=78$   $Q2=97$   $Q3=66$   $Q4=58$   $Q5=67$   $Q6=71$   $Q7=77$   $Q8=84$

$Q9=93$   $Q10=78$   $Q11=71$   $Q12=71$   $Q13=71$   $Q14=57$   $Q15=65$



### Photometric Parameters

Luminous Flux: 20591 lm

Efficiency: 134.19 lm/W

Radiant Power: 83.739 W

Total mains efficacy: 134.19 lm/W Energy Efficiency Class: C (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 219.40V

Current: 0.7037A

Power: 153.45W

Power Factor: 0.9939

Frequency: 49.99Hz

DF: 0.9952

### 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: 48796 (3124)

CCD Integration Time: 32.73 ms

Condition: Tx:28.8°C, Ti:26.4°C, R.H.:60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-10-17 10:59:13

Inspector: