



## Lightsource Test Report

### Product Infomation

Product Number: 29

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3030$   $y=0.3266$   $u(u')=0.1919$   $v=0.3104$   $v'=0.4656$

CCT:  $T_c=6780K$  ( $duv=0.00700$ )

Color Ratio:  $R=0.126$   $G=0.824$   $B=0.050$

Peak Wavelength: 449.4nm

Half Bandwidth: 26.3nm

Dominant Wavelength: 488.9nm

Color Purity: 0.107

Central Wave: 450.4nm

Gravity Wave: 449.9nm

CRI:  $R_a=79.7$

TM30:  $R_f=81$ ,  $R_g=95$

GAI:  $GAI\_BB\_8=87.6$ ,  $GAI\_BB\_15=92.5$ ,  $GAI\_EES=86.0$

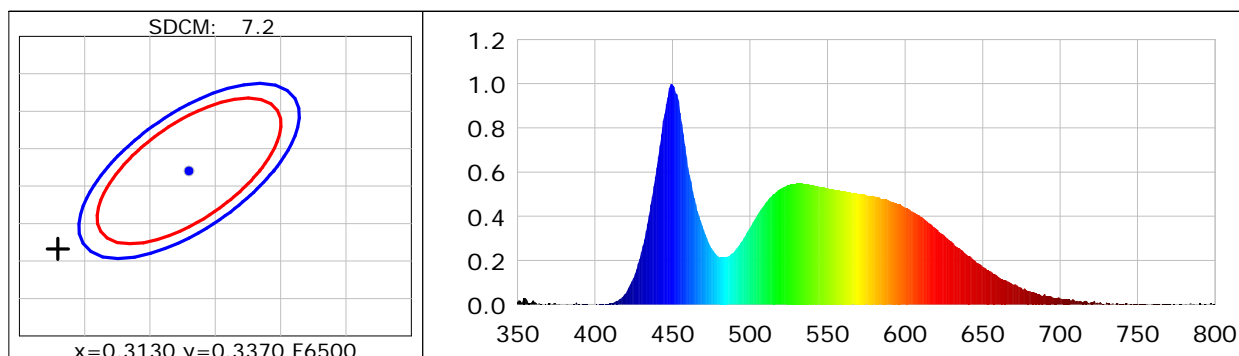
$R1=77$   $R2=83$   $R3=87$   $R4=80$   $R5=78$   $R6=78$   $R7=87$   $R8=66$

$R9=-11$   $R10=59$   $R11=79$   $R12=55$   $R13=78$   $R14=93$   $R15=71$

Color Quality Scale:  $Q_a=80.2$ ,  $Q_f=80.1$ ,  $Q_p=80.7$ ,  $Q_g=90.5$

$Q1=83$   $Q2=97$   $Q3=77$   $Q4=73$   $Q5=79$   $Q6=81$   $Q7=84$   $Q8=89$

$Q9=95$   $Q10=84$   $Q11=81$   $Q12=81$   $Q13=81$   $Q14=66$   $Q15=73$



### Photometric Parameters

Luminous Flux: 1869.7 lm

Efficiency: 82.99 lm/W

Radiant Power: 5.826 W

Total mains efficacy: 82.99 lm/W Energy Efficiency Class: G (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 219.40V

Current: 0.1113A

Power: 22.53W

Power Factor: 0.9230

Frequency: 49.99Hz

DF: 0.9965

### 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: 51000 (4343)

CCD Integration Time: 501.77 ms

Condition: Tx: 31.0°C, Ti: 29.3°C, R.H.: 60%

Test Device: CMS-3500S

Test Lab:

Test Time: 2025-09-30 09:02:20

Operator:

Inspector: