



## Lightsource Test Report

### Product Infomation

Product Number: 189

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4340$   $y=0.4055$   $u(u')=0.2481$   $v=0.3477$   $v'=0.5215$

CCT:  $T_c=3062K$  ( $duv=0.00099$ )

Color Ratio:  $R=0.210$   $G=0.775$   $B=0.015$

Peak Wavelength: 595.1nm

Half Bandwidth: 120.6nm

Dominant Wavelength: 582.2nm

Color Purity: 0.520

Central Wave: 586.3nm

Gravity Wave: 589.2nm

CRI:  $R_a=72.0$

TM30:  $R_f=74$ ,  $R_g=96$

GAI:  $GAI\_BB\_8=89.8$ ,  $GAI\_BB\_15=96.6$ ,  $GAI\_EES=53.1$

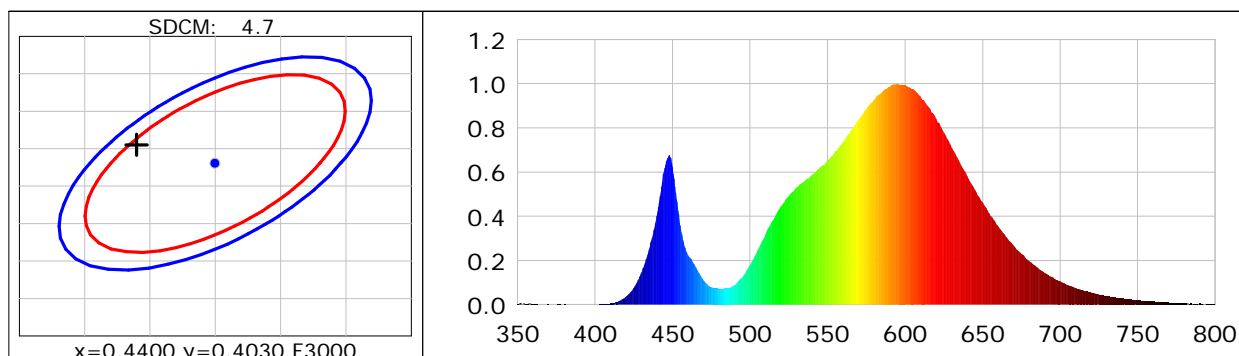
$R1=69$   $R2=80$   $R3=91$   $R4=70$   $R5=68$   $R6=73$   $R7=78$   $R8=46$

$R9=-31$   $R10=55$   $R11=66$   $R12=46$   $R13=71$   $R14=95$   $R15=61$

Color Quality Scale:  $Q_a=72.3$ ,  $Q_f=73.2$ ,  $Q_p=74.8$ ,  $Q_g=89.7$

$Q1=69$   $Q2=96$   $Q3=70$   $Q4=67$   $Q5=71$   $Q6=70$   $Q7=71$   $Q8=79$

$Q9=95$   $Q10=80$   $Q11=76$   $Q12=74$   $Q13=74$   $Q14=60$   $Q15=63$



### Photometric Parameters

Luminous Flux: 35660 lm

Efficiency: 144.43 lm/W

Radiant Power: 98.676 W

Total mains efficacy: 144.43 lm/W Energy Efficiency Class: D (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 219.69V

Current: 1.1255A

Power: 246.90W

Power Factor: 0.9985

Frequency: 49.99Hz

DF: 0.9998

### Test Infomation

Scan Range: 350~800:1nm

Photometric Method: sphere-spectroradiometer

Stabilization Time: 0 Min ALC.: 1.0000

Photometric Condition: Sphere diameter: 2.00m, 4 $\pi$

Max of Signal: 45562 (2731)

CCD Integration Time: 39.56 ms

Condition: Tx: 24.9°C, Ti: 23.5°C, R.H.: 60%

Test Device: CMS-3500S

Test Lab:

Test Time: 2025-10-27 11:59:58

Operator:

Inspector: