



## Lightsource Test Report

### Product Infomation

Product Number: 846

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3019$   $y=0.3233$   $u(u')=0.1924$   $v=0.3091$   $v'=0.4636$

CCT:  $T_c=6788K$  ( $duv=0.00586$ )

Color Ratio:  $R=0.117$   $G=0.841$   $B=0.042$

Peak Wavelength: 443.6nm

Half Bandwidth: 31.9nm

Dominant Wavelength: 487.5nm

Color Purity: 0.114

Central Wave: 446.7nm

Gravity Wave: 445.8nm

CRI:  $R_a=73.3$

TM30:  $R_f=75$ ,  $R_g=94$

GAI:  $GAI\_BB\_8=86.4$ ,  $GAI\_BB\_15=90.9$ ,  $GAI\_EES=85.2$

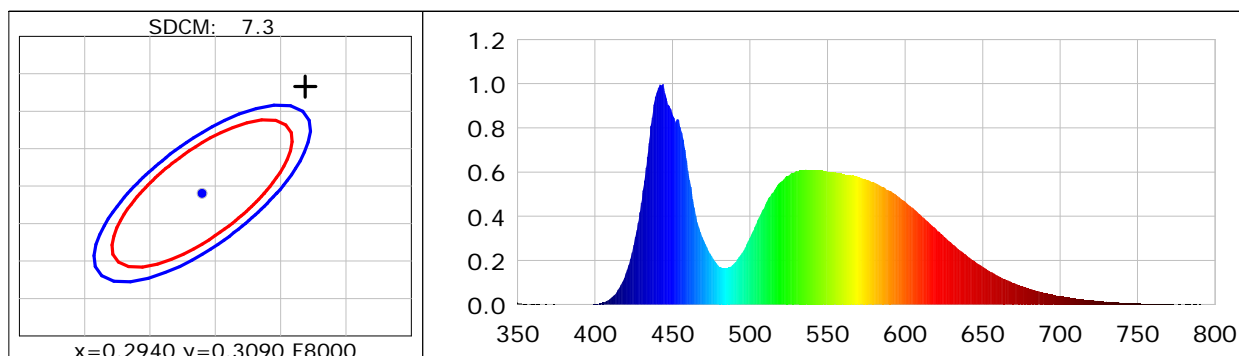
$R1=71$   $R2=76$   $R3=80$   $R4=75$   $R5=73$   $R6=70$   $R7=82$   $R8=61$

$R9=-31$   $R10=43$   $R11=74$   $R12=50$   $R13=71$   $R14=89$   $R15=64$

Color Quality Scale:  $Q_a=74.4$ ,  $Q_f=73.8$ ,  $Q_p=76.5$ ,  $Q_g=89.2$

$Q1=81$   $Q2=94$   $Q3=70$   $Q4=66$   $Q5=74$   $Q6=76$   $Q7=79$   $Q8=87$

$Q9=92$   $Q10=76$   $Q11=72$   $Q12=73$   $Q13=74$   $Q14=59$   $Q15=68$



### Photometric Parameters

Luminous Flux: 19819 lm

Efficiency: 104.35 lm/W

Radiant Power: 71.971 W

Total mains efficacy: 104.35 lm/W Energy Efficiency Class: E (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

### Electric Parameters

Voltage: 218.41V

Current: 0.8782A

Power: 189.93W

Power Factor: 0.9902

Frequency: 59.99Hz

DF: 0.9993

### Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 49052 (3310)

Photometric Method: sphere-spectroradiometer

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

CCD Integration Time: 47.27 ms

Condition: Tx: 30.9°C, Ti: 29.8°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-09-16 15:09:22

Inspector: