



Lightsource Test Report

Product Infomation

Product Number: 338

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3041$ $y=0.3241$ $u(u')=0.1937$ $v=0.3096$ $v'=0.4644$

CCT: $T_c=6744K$ ($duv=0.00511$)

Color Ratio: $R=0.129$ $G=0.822$ $B=0.049$

Peak Wavelength: 444.2nm

Half Bandwidth: 18.7nm

Dominant Wavelength: 487.6nm

Color Purity: 0.105

Central Wave: 445.0nm

Gravity Wave: 444.7nm

CRI: $R_a=80.1$

TM30: $R_f=81$, $R_g=98$

GAI: $GAI_BB_8=91.3$, $GAI_BB_15=94.8$, $GAI_EES=89.5$

$R1=79$

$R2=82$

$R3=85$

$R4=82$

$R5=81$

$R6=78$

$R7=85$

$R8=70$

$R9=2$

$R10=58$

$R11=82$

$R12=61$

$R13=79$

$R14=92$

$R15=73$

Color Quality Scale: $Q_a=81.7$, $Q_f=81.1$, $Q_p=83.5$, $Q_g=93.4$

$Q1=85$

$Q2=95$

$Q3=77$

$Q4=76$

$Q5=83$

$Q6=84$

$Q7=86$

$Q8=91$

$Q9=94$

$Q10=82$

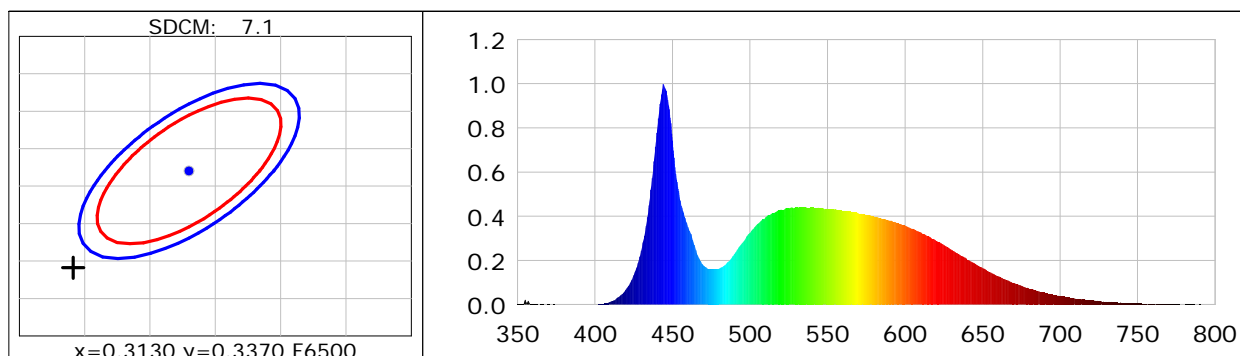
$Q11=81$

$Q12=81$

$Q13=82$

$Q14=70$

$Q15=76$



Photometric Parameters

Luminous Flux: 12346 lm

Efficiency: 125.85 lm/W

Radiant Power: 55.418 W

Total mains efficacy: 125.85 lm/W Energy Efficiency Class: C (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.47V

Current: 0.4509A

Power: 98.10W

Power Factor: 0.9914

Frequency: 49.99Hz

DF: 0.9940

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 43376 (3699)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 42.81 ms

Condition: Tx: 32.8°C, Ti: 30.6°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-08-15 09:06:10

Inspector: