



Lightsource Test Report

Product Infomation

Product Number: 414

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3047$ $y=0.3180$ $u(u')=0.1963$ $v=0.3074$ $v'=0.4611$

CCT: $T_c=6788K$ ($duv=0.00169$)

Color Ratio: $R=0.131$ $G=0.811$ $B=0.057$

Peak Wavelength: 453.7nm

Half Bandwidth: 24.2nm

Dominant Wavelength: 484.5nm

Color Purity: 0.109

Central Wave: 455.1nm

Gravity Wave: 454.7nm

CRI: $R_a=82.1$

TM30: $R_f=81$, $R_g=93$

GAI: $GAI_BB_8=88.9$, $GAI_BB_15=94.6$, $GAI_EES=87.3$

$R1=80$

$R2=88$

$R3=91$

$R4=80$

$R5=80$

$R6=82$

$R7=87$

$R8=67$

$R9=0$

$R10=70$

$R11=79$

$R12=55$

$R13=83$

$R14=95$

$R15=76$

Color Quality Scale: $Q_a=79.1$, $Q_f=79.1$, $Q_p=79.3$, $Q_g=90.0$

$Q1=82$

$Q2=99$

$Q3=76$

$Q4=68$

$Q5=74$

$Q6=78$

$Q7=84$

$Q8=89$

$Q9=96$

$Q10=86$

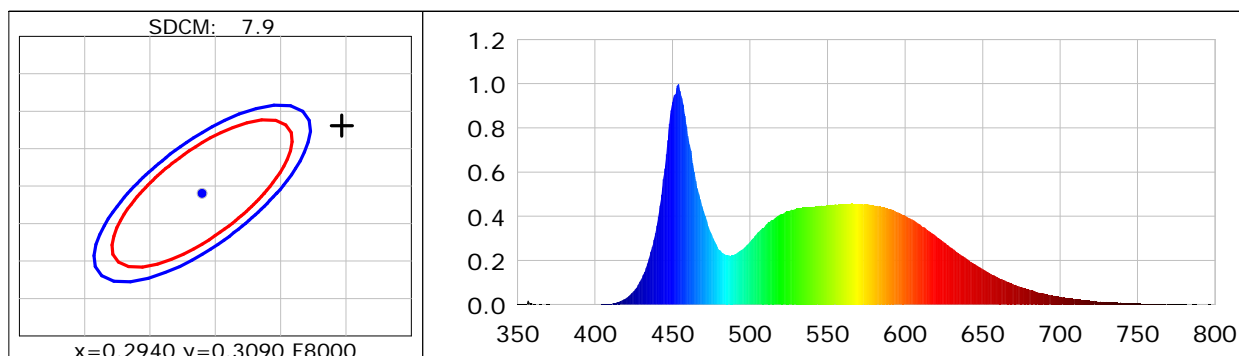
$Q11=80$

$Q12=80$

$Q13=80$

$Q14=69$

$Q15=74$



Photometric Parameters

Luminous Flux: 16590 lm

Efficiency: 116.60 lm/W

Radiant Power: 75.868 W

Total mains efficacy: 116.60 lm/W Energy Efficiency Class: C (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.39V

Current: 0.6614A

Power: 142.28W

Power Factor: 0.9806

Frequency: 49.99Hz

DF: 0.9879

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 45446 (3668)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 34.01 ms

Condition: Tx: 33.4°C, Ti: 33.1°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-08-22 07:49:24

Inspector: