



Lightsource Test Report

Product Infomation

Product Number: 12

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3011$ $y=0.3230$ $u(u')=0.1920$ $v=0.3089$ $v'=0.4633$

CCT: $T_c=6746K$ ($duv=0.00617$)

Color Ratio: $R=0.128$ $G=0.817$ $B=0.054$

Peak Wavelength: 443.9nm

Half Bandwidth: 34.0nm

Dominant Wavelength: 487.5nm

Color Purity: 0.117

Central Wave: 449.6nm

Gravity Wave: 447.7nm

CRI: $R_a=82.4$

TM30: $R_f=84$, $R_g=96$

GAI: $GAI_BB_8=89.8$, $GAI_BB_15=93.7$, $GAI_EES=88.7$

$R1=80$

$R2=85$

$R3=89$

$R4=83$

$R5=82$

$R6=81$

$R7=89$

$R8=71$

$R9=5$

$R10=64$

$R11=83$

$R12=63$

$R13=81$

$R14=94$

$R15=75$

Color Quality Scale: $Q_a=83.2$, $Q_f=83.1$, $Q_p=83.7$, $Q_g=92.2$

$Q1=86$

$Q2=97$

$Q3=80$

$Q4=78$

$Q5=83$

$Q6=85$

$Q7=87$

$Q8=91$

$Q9=96$

$Q10=86$

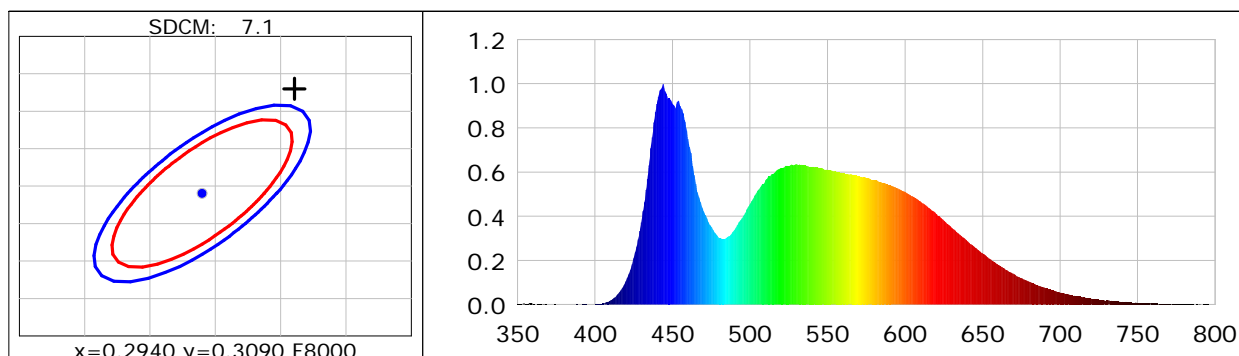
$Q11=84$

$Q12=84$

$Q13=84$

$Q14=71$

$Q15=77$



Photometric Parameters

Luminous Flux: 12040 lm

Efficiency: 114.34 lm/W

Radiant Power: 45.847 W

Total mains efficacy: 114.34 lm/W Energy Efficiency Class: E (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.33V

Current: 0.4941A

Power: 105.30W

Power Factor: 0.9717

Frequency: 49.99Hz

DF: 0.9940

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 45553 (3110)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 78.45 ms

Condition: Tx:28.1°C, Ti:26.2°C, R.H.:60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-10-09 12:31:34

Inspector: