



Lightsource Test Report

Product Infomation

Product Number: 286

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3023$ $y=0.3228$ $u(u')=0.1929$ $v=0.3090$ $v'=0.4634$

CCT: $T_c=6870K$ ($duv=0.00543$)

Color Ratio: $R=0.127$ $G=0.818$ $B=0.054$

Peak Wavelength: 448.4nm

Half Bandwidth: 24.0nm

Dominant Wavelength: 487.3nm

Color Purity: 0.113

Central Wave: 449.1nm

Gravity Wave: 448.7nm

CRI: $R_a=81.5$

TM30: $R_f=83$, $R_g=96$

GAI: $GAI_BB_8=89.2$, $GAI_BB_15=93.5$, $GAI_EES=87.8$

$R1=79$

$R2=85$

$R3=89$

$R4=82$

$R5=81$

$R6=80$

$R7=87$

$R8=69$

$R9=-2$

$R10=64$

$R11=82$

$R12=60$

$R13=80$

$R14=94$

$R15=73$

Color Quality Scale: $Q_a=81.7$, $Q_f=81.6$, $Q_p=82.2$, $Q_g=91.4$

$Q1=84$

$Q2=97$

$Q3=79$

$Q4=75$

$Q5=82$

$Q6=84$

$Q7=86$

$Q8=90$

$Q9=96$

$Q10=85$

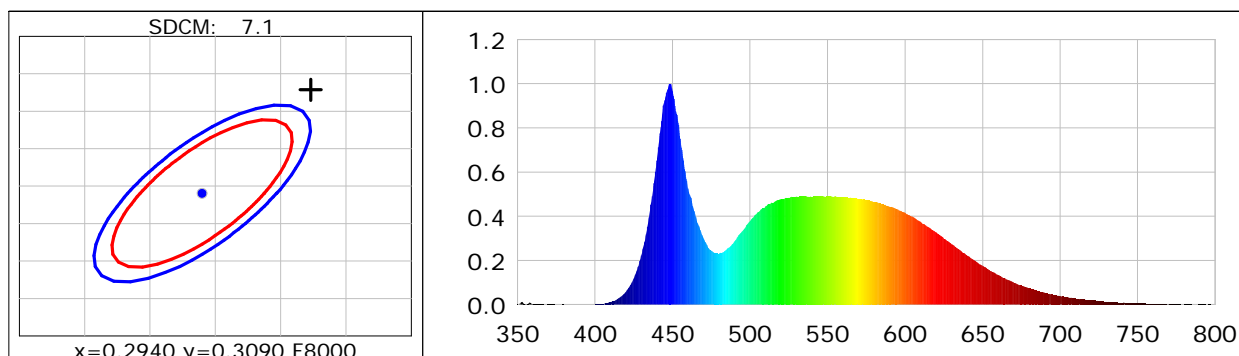
$Q11=82$

$Q12=82$

$Q13=82$

$Q14=69$

$Q15=75$



Photometric Parameters

Luminous Flux: 18467 lm

Efficiency: 121.60 lm/W

Radiant Power: 78.562 W

Total mains efficacy: 121.60 lm/W Energy Efficiency Class: C (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.42V

Current: 0.7025A

Power: 151.87W

Power Factor: 0.9852

Frequency: 49.99Hz

DF: 0.9934

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 45269 (3240)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4 π

CCD Integration Time: 35.81 ms

Condition: Tx:29.6°C, Ti:27.8°C, R.H.:60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-10-16 09:37:48

Inspector: