



Lightsource Test Report

Product Infomation

Product Number: 2

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3084$ $y=0.3236$ $u(u')=0.1968$ $v=0.3098$ $v'=0.4648$

CCT: $T_c=6798K$ ($duv=0.00264$)

Color Ratio: $R=0.132$ $G=0.814$ $B=0.054$

Peak Wavelength: 450.5nm

Half Bandwidth: 26.2nm

Dominant Wavelength: 486.6nm

Color Purity: 0.092

Central Wave: 452.6nm

Gravity Wave: 452.1nm

CRI: $R_a=81.5$

TM30: $R_f=82$, $R_g=94$

GAI: $GAI_BB_8=89.2$, $GAI_BB_15=94.2$, $GAI_EES=86.6$

$R1=79$

$R2=86$

$R3=91$

$R4=81$

$R5=80$

$R6=81$

$R7=87$

$R8=67$

$R9=-4$

$R10=67$

$R11=80$

$R12=58$

$R13=81$

$R14=95$

$R15=74$

Color Quality Scale: $Q_a=79.8$, $Q_f=79.8$, $Q_p=80.0$, $Q_g=90.5$

$Q1=83$

$Q2=98$

$Q3=77$

$Q4=71$

$Q5=78$

$Q6=81$

$Q7=84$

$Q8=89$

$Q9=96$

$Q10=85$

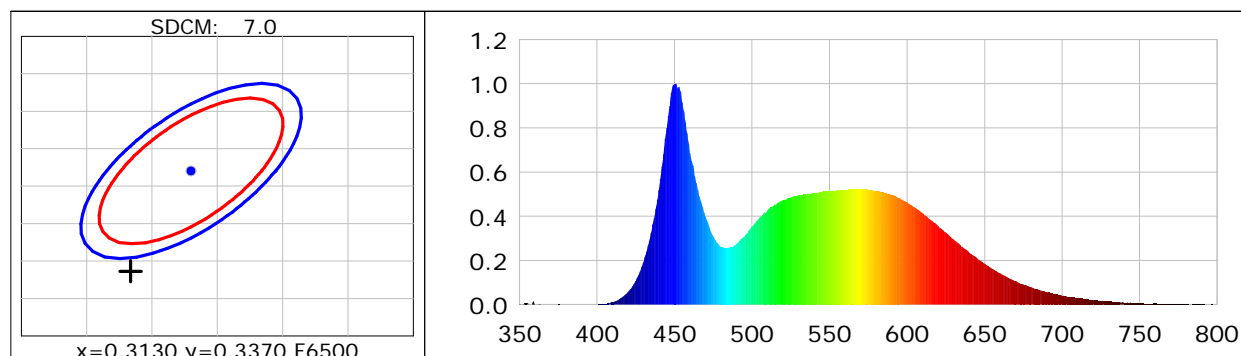
$Q11=81$

$Q12=80$

$Q13=80$

$Q14=67$

$Q15=73$



Photometric Parameters

Luminous Flux: 16737 lm

Efficiency: 101.65 lm/W

Radiant Power: 76.699 W

Total mains efficacy: 101.65 lm/W Energy Efficiency Class: D (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.26V

Current: 0.7638A

Power: 164.66W

Power Factor: 0.9832

Frequency: 49.99Hz

DF: 0.9938

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 45132 (3720)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4 π

CCD Integration Time: 33.33 ms

Condition: Tx: 33.7°C, Ti: 32.8°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-07-11 08:45:27

Inspector: