



Lightsource Test Report

Product Infomation

Product Number: 20

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3103$ $y=0.3246$ $u(u')=0.1978$ $v=0.3104$ $v'=0.4656$

CCT: $T_c=6678K$ ($duv=0.00215$)

Color Ratio: $R=0.133$ $G=0.814$ $B=0.053$

Peak Wavelength: 449.3nm

Half Bandwidth: 20.7nm

Dominant Wavelength: 486.7nm

Color Purity: 0.084

Central Wave: 450.5nm

Gravity Wave: 450.0nm

CRI: $R_a=82.6$

TM30: $R_f=82$, $R_g=96$

GAI: $GAI_BB_8=92.2$, $GAI_BB_15=96.8$, $GAI_EES=90.6$

$R1=81$

$R2=86$

$R3=88$

$R4=84$

$R5=82$

$R6=80$

$R7=88$

$R8=71$

$R9=9$

$R10=65$

$R11=83$

$R12=58$

$R13=82$

$R14=93$

$R15=77$

Color Quality Scale: $Q_a=80.6$, $Q_f=80.1$, $Q_p=82.2$, $Q_g=92.8$

$Q1=86$

$Q2=97$

$Q3=75$

$Q4=71$

$Q5=79$

$Q6=83$

$Q7=86$

$Q8=91$

$Q9=94$

$Q10=83$

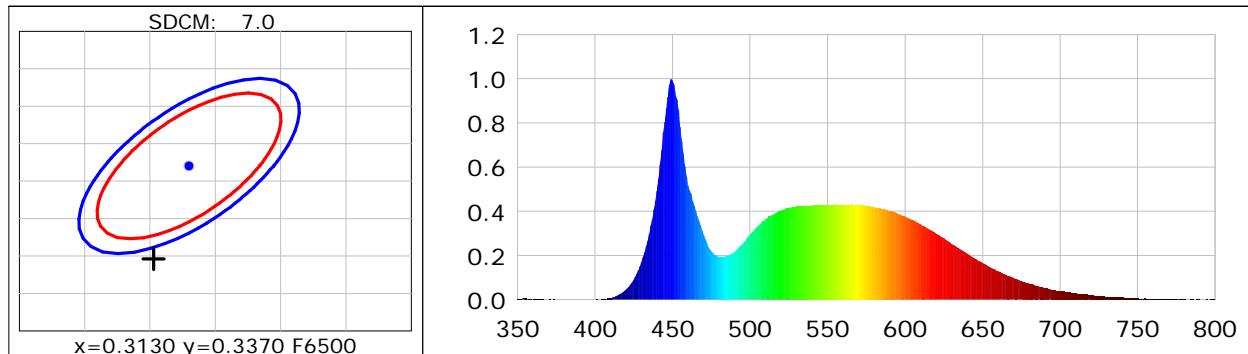
$Q11=79$

$Q12=80$

$Q13=81$

$Q14=71$

$Q15=77$



Photometric Parameters

Luminous Flux: 24961 lm

Efficiency: 123.59 lm/W

Radiant Power: 73.717 W

Total mains efficacy: 123.59 lm/W Energy Efficiency Class: E (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.49V

Current: 0.9417A

Power: 201.97W

Power Factor: 0.9771

Frequency: 49.99Hz

DF: 0.9884

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 47281 (2870)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 35.34 ms

Condition: Tx: 26.5°C, Ti: 25.4°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2025-10-20 10:34:29

Inspector: