



Lightsource Test Report

Product Infomation

Product Number: 47

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3815$ $y=0.3782$ $u(u')=0.2252$ $v=0.3349$ $v'=0.5024$

CCT: $T_c=3982K$ ($duv=0.00039$)

Color Ratio: $R=0.170$ $G=0.810$ $B=0.020$

Peak Wavelength: 444.7nm

Half Bandwidth: 16.9nm

Dominant Wavelength: 578.9nm

Color Purity: 0.280

Central Wave: 444.4nm

Gravity Wave: 444.6nm

CRI: $R_a=72.0$

TM30: $R_f=72$, $R_g=97$

GAI: $GAI_BB_8=91.7$, $GAI_BB_15=97.1$, $GAI_EES=72.1$

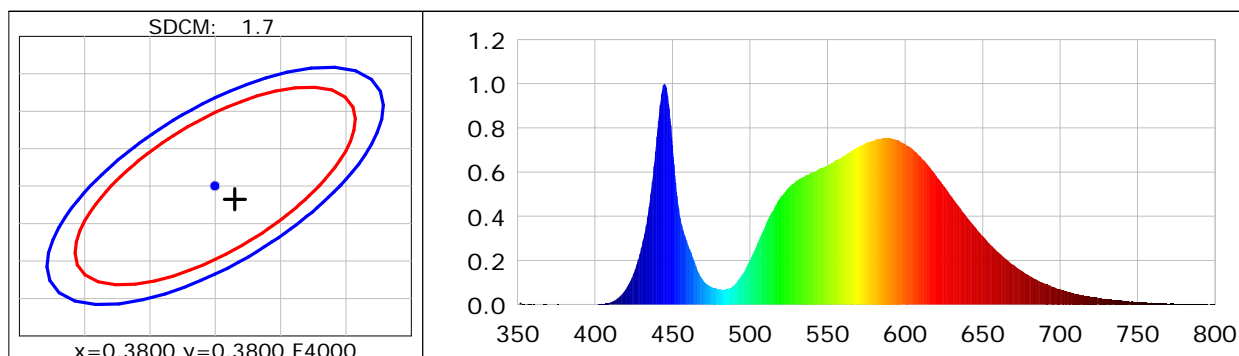
$R1=70$ $R2=77$ $R3=83$ $R4=73$ $R5=70$ $R6=69$ $R7=80$ $R8=54$

$R9=-27$ $R10=46$ $R11=70$ $R12=43$ $R13=71$ $R14=90$ $R15=64$

Color Quality Scale: $Q_a=72.7$, $Q_f=71.8$, $Q_p=75.3$, $Q_g=92.2$

$Q1=74$ $Q2=95$ $Q3=66$ $Q4=64$ $Q5=72$ $Q6=72$ $Q7=74$ $Q8=83$

$Q9=93$ $Q10=76$ $Q11=73$ $Q12=73$ $Q13=75$ $Q14=61$ $Q15=66$



Photometric Parameters

Luminous Flux: 22710 lm

Efficiency: 153.03 lm/W

Radiant Power: 104.668 W

Total mains efficacy: 153.03 lm/W Energy Efficiency Class: A (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.33V

Current: 0.6879A

Power: 148.40W

Power Factor: 0.9858

Frequency: 49.99Hz

DF: 0.9881

Test Infomation

Scan Range: 350~800:1nm

Photometric Method: sphere-spectroradiometer

Stabilization Time: 0 Min ALC.: 1.0000

Photometric Condition: Sphere diameter: 2.00m, 4 π

Max of Signal: 45626 (2816)

CCD Integration Time: 36.53 ms

Condition: Tx:26.0°C, Ti:24.4°C, R.H.:60%

Test Device: CMS-3500S

Test Lab:

Test Time: 2025-04-26 13:00:19

Operator:

Inspector: