



Lightsource Test Report

Product Infomation

Product Number: 18

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.2983$ $y=0.3051$ $u(u')=0.1967$ $v=0.3018$ $v'=0.4528$

CCT: $T_c=6760K$ ($duv=-0.00161$)

Color Ratio: $R=0.130$ $G=0.816$ $B=0.054$

Peak Wavelength: 450.4nm

Half Bandwidth: 18.2nm

Dominant Wavelength: 480.4nm

Color Purity: 0.144

Central Wave: 451.4nm

Gravity Wave: 451.0nm

CRI: $R_a=81.8$

TM30: $R_f=80$, $R_g=95$

GAI: $GAI_BB_8=92.1$, $GAI_BB_15=97.4$, $GAI_EES=92.1$

$R1=81$

$R2=86$

$R3=86$

$R4=83$

$R5=81$

$R6=78$

$R7=88$

$R8=72$

$R9=8$

$R10=63$

$R11=82$

$R12=51$

$R13=83$

$R14=92$

$R15=79$

Color Quality Scale: $Q_a=77.9$, $Q_f=77.0$, $Q_p=80.3$, $Q_g=92.2$

$Q1=86$

$Q2=97$

$Q3=71$

$Q4=64$

$Q5=74$

$Q6=79$

$Q7=86$

$Q8=90$

$Q9=93$

$Q10=81$

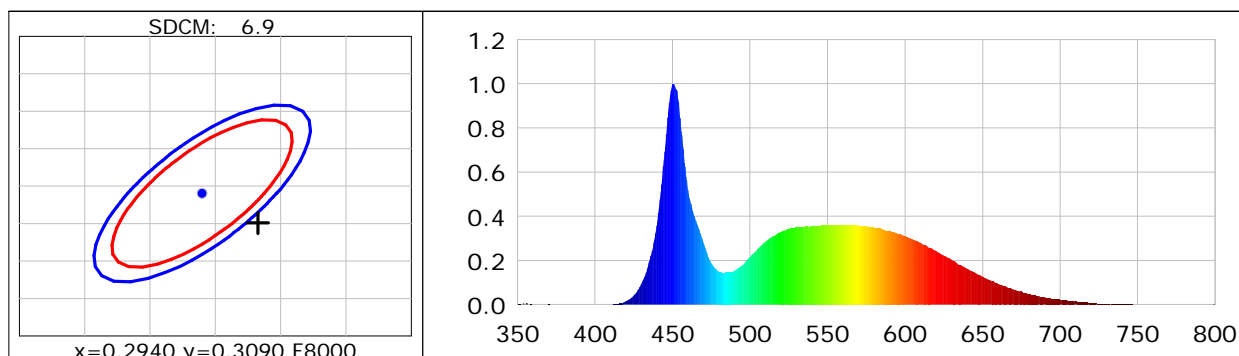
$Q11=76$

$Q12=76$

$Q13=78$

$Q14=70$

$Q15=76$



Photometric Parameters

Luminous Flux: 10456.4 lm

Efficiency: 104.91 lm/W

Radiant Power: 18.616 W

Total mains efficacy: 104.91 lm/W Energy Efficiency Class: D (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

Electric Parameters

Voltage: 219.34V

Current: 0.4523A

Power: 99.67W

Power Factor: 0.9878

Frequency: 49.99Hz

DF: 0.9970

Test Infomation

Scan Range: 350~800:1nm

Stabilization Time: 0 Min ALC.: 1.0000

Max of Signal: 49394 (1886)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4T

CCD Integration Time: 274.42 ms

Condition: Tx: 11.9°C, Ti: 12.3°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-3500S

Test Time: 2024-09-18 09:07:39

Inspector: