

Lightsource Test Report

Product Information

Product Type: 595-595-40W-6000K

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3154$ $y=0.3445$ $u(u')=0.1940$ $v=0.3178$ $v'=0.4768$

CCT: $T_c=6270K$ ($duv=0.00959$)

Color Ratio: $R=0.129$ $G=0.818$ $B=0.053$

Peak Wavelength: 448.1nm

Half Bandwidth: 21.7nm

Dominant Wavelength: 499.9nm

Color Purity: 0.055

CRI: $R_a=81.0$

TM30: $R_f=81$, $R_g=94$

$R1=77$

$R2=85$

$R3=92$

$R4=81$

$R5=79$

$R6=81$

$R7=88$

$R8=66$

$R9=-7$

$R10=66$

$R11=80$

$R12=59$

$R13=79$

$R14=96$

$R15=71$

Color Quality Scale: $Q_a=81.8$, $Q_f=82.1$, $Q_p=81.1$, $Q_g=89.9$

$Q1=83$

$Q2=98$

$Q3=81$

$Q4=77$

$Q5=81$

$Q6=82$

$Q7=84$

$Q8=89$

$Q9=97$

$Q10=88$

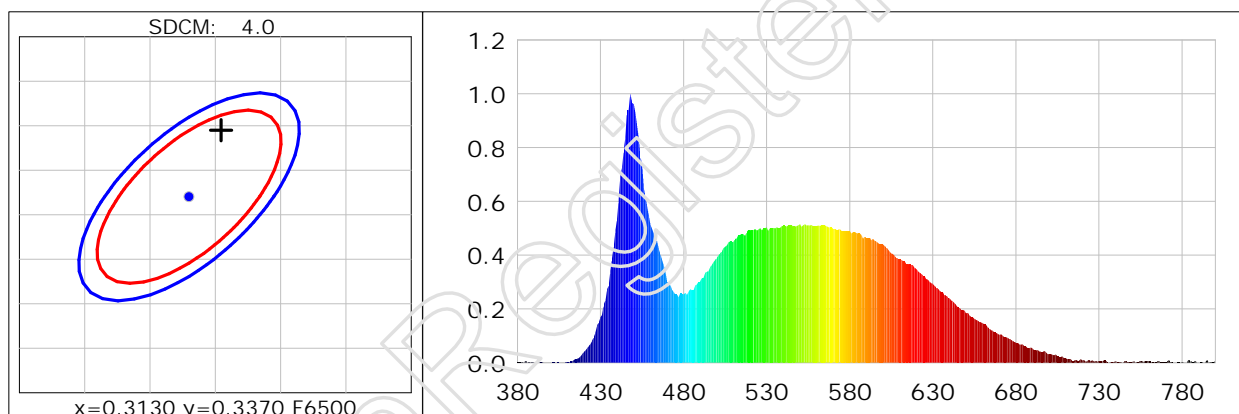
$Q11=85$

$Q12=83$

$Q13=82$

$Q14=68$

$Q15=73$



Photometric Parameters

Luminous Flux: 5367.88 lm

Efficiency: 129.91 lm/W

Radiant Power: 16.655 W

EEL: 0.10

Energy Efficiency Class: A++ (EU 874-2012)

Electric Parameters

Voltage: 230.60V

Current: 0.1840A

Power: 41.32W

Power Factor: 0.9710

Frequency: 49.99Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 Min

Max of Signal: 44909 (3836)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4 π

CCD Integration Time: 745.93 ms

Condition: Tx: 27.5°C, Ti: 26.3°C, R.H.: 60%

Test Lab:

Operator:

Test Device: CMS-2S (Plus)

Test Time: 2019-07-18 08:53:11

Inspector: