

# Lightsource Test Report

## Product Infomation

Product Type: 24V 10mm 5050-60灯RGB-全亮

Product Number: 5

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.2248$   $y=0.2313$   $u(u')=0.1688$   $v=0.2606$   $v'=0.3909$

CCT:  $T_c=100000K$  ( $duv=-0.01301$ )

Color Ratio:  $R=0.188$   $G=0.664$   $B=0.148$

Peak Wavelength: 462.6nm

Half Bandwidth: 22.0nm

Dominant Wavelength: 478.1nm

Color Purity: 0.463

Central Wave: 463.2nm

Gravity Wave: 463.1nm

CRI:  $R_a=52.6$ ,  $avgR(1\sim14)=31.1$ ,  $avgR(1\sim15)=30.1$

TM30:  $R_f=53$ ,  $R_g=101$

GAI:  $GAI\_BB\_8=129.3$ ,  $GAI\_BB\_15=130.6$ ,  $GAI\_EES=140.8$

$R1=42$

$R2=58$

$R3=71$

$R4=66$

$R5=63$

$R6=59$

$R7=58$

$R8=3$

$R9=-225$

$R10=-2$

$R11=57$

$R12=64$

$R13=41$

$R14=80$

$R15=17$

Color Quality Scale:  $Q_a=55.0$ ,  $Q_f=45.0$ ,  $Q_p=74.4$ ,  $Q_g=123.4$

$Q1=58$

$Q2=69$

$Q3=75$

$Q4=64$

$Q5=83$

$Q6=90$

$Q7=81$

$Q8=74$

$Q9=69$

$Q10=43$

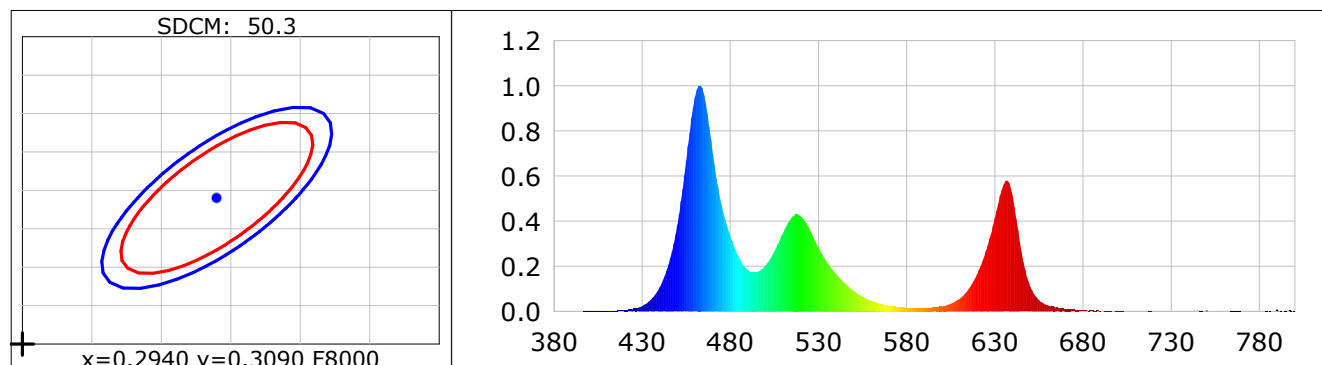
$Q11=21$

$Q12=18$

$Q13=36$

$Q14=74$

$Q15=56$



## Photometric Parameters

Luminous Flux: 439.44 lm

Efficiency: 32.80 lm/W

Radiant Power: 2.177 W

Total mains efficacy: 32.80 lm/W

Energy Efficiency Class: G (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

## Electric Parameters

Voltage: 24.000V

Current: 0.5582A

Power: 13.40W

Power Factor: 1.0000

Frequency: 0.00Hz

## Test Infomation

Scan Range: 380~800:1nm

Photometric Method: sphere-spectroradiometer

Stabilization Time: 1 Min ALC.: 1.0000

Photometric Condition: Sphere diameter: 1.50m, 4T

Max of Signal: 44301 (3069)

CCD Integration Time: 171.99 ms

Condition:  $T_x=28.3^{\circ}C$ ,  $T_i=25.5^{\circ}C$ , R.H.:60%

Test Lab: Back Morning

Operator: STY

Test Device: CMS-2S (Plus)

Test Time: 2023-06-19 16:22:20

Inspector: