

# Lightsource Test Report

## Product Infomation

Product Type: 24V 10mm 2835-240灯 双色温-W

Product Number: 10

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4823$   $y=0.4045$   $u(u')=0.2800$   $v=0.3523$   $v'=0.5284$

CCT:  $T_c=2370K$  ( $duv=-0.00334$ )

Color Ratio:  $R=0.288$   $G=0.693$   $B=0.019$

Peak Wavelength: 611.9nm

Half Bandwidth: 99.8nm

Dominant Wavelength: 587.2nm

Color Purity: 0.662

Central Wave: 610.8nm

Gravity Wave: 611.2nm

CRI:  $R_a=82.4$ ,  $avgR(1\sim14)=79.3$ ,  $avgR(1\sim15)=78.9$

TM30:  $R_f=84$ ,  $R_g=99$

GAI:  $GAI\_BB\_8=111.7$ ,  $GAI\_BB\_15=114.9$ ,  $GAI\_EES=42.1$

$R1=82$

$R2=94$

$R3=91$

$R4=81$

$R5=84$

$R6=96$

$R7=77$

$R8=54$

$R9=8$

$R10=88$

$R11=83$

$R12=91$

$R13=85$

$R14=96$

$R15=73$

Color Quality Scale:  $Q_a=79.7$ ,  $Q_f=82.2$ ,  $Q_p=88.3$ ,  $Q_g=92.4$

$Q1=72$

$Q2=90$

$Q3=85$

$Q4=83$

$Q5=84$

$Q6=83$

$Q7=79$

$Q8=79$

$Q9=89$

$Q10=88$

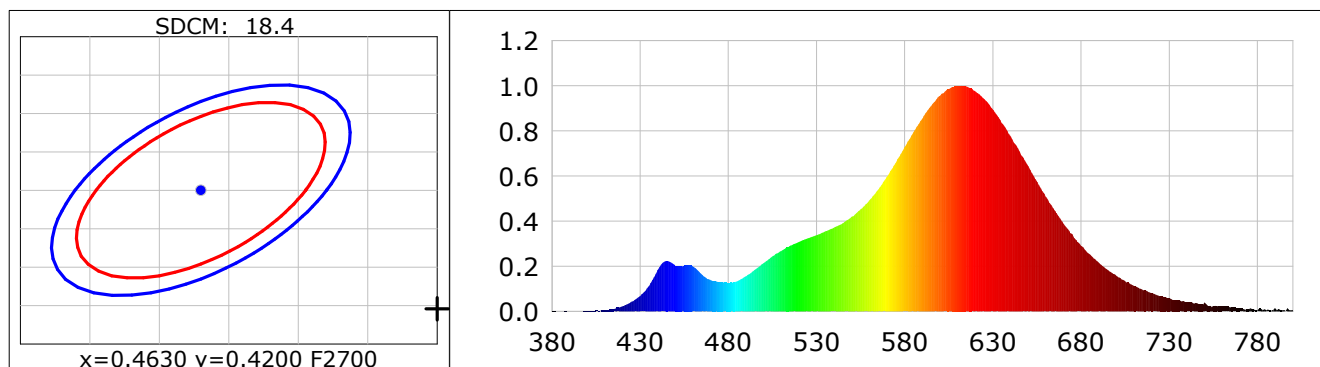
$Q11=84$

$Q12=79$

$Q13=78$

$Q14=71$

$Q15=71$



## Photometric Parameters

Luminous Flux: 811.81 lm

Efficiency: 86.94 lm/W

Radiant Power: 2.602 W

Total mains efficacy: 86.94 lm/W

Energy Efficiency Class: F (EU 2019/2015)

Auxiliary lamp correction factor: 1.00

## Electric Parameters

Voltage: 24.000V

Current: 0.3891A

Power: 9.34W

Power Factor: 1.0000

Frequency: 0.00Hz

## Test Information

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: 45526 (3308)

CCD Integration Time: 472.42 ms

Condition:  $T_x=28.4^{\circ}C$ ,  $T_i=25.8^{\circ}C$ , R.H.:60%

Test Lab: Back Morning

Operator: STY

Test Device: CMS-2S (Plus)

Test Time: 2023-06-19 15:12:16

Inspector: