
Lighting Measure Report

Color Parameter

Chroma Coordinate: $x=0.3157$ $y=0.331$ $u=0.1991$ $v=0.3132$ $Duv=0.0028$

Chroma Coordinate: $u'=0.1991$ $v'=0.4698$

CCT.: CCT=6334K Dominant: $d=490\text{nm}$ Barycenter: $b=539\text{nm}$ Peak Wavelength: $p=445.2\text{nm}$

FWHM: 17.23nm Purity: $Pe=6.137\%$ Red Ratio: $R=0.136$ Green Ratio: $G=0.813$ Blue Ratio: $B=0.051$

Color CRI.: $Ra=82.64$ $\text{AvgR}(1\sim14)=75.71$ $\text{AvgR}(1\sim15)=75.8$

R 1=82 R 2=85 R 3=88 R 4=85 R 5=83 R 6=80 R 7=87

R 8=72 R 9=9 R10=64 R11=85 R12=64 R13=82 R14=94

R15=77

GAI: $GAI_EES=90.61$, $GAI_BB8=90.74$, $GAI_BB15=94.49$

Luminosity Parameter

Luminous Flux(380-780nm): 1003.11lm Optical Power(380-780nm): 3.24W Efficient(380-780nm): 109lm/W

EEL: 0.1195 Energy Class: F (EU)2019/2015 Luminance = 10cd/m^2

Photons($\mu\text{mol/s}$): $14.6[380-780\text{nm}]$ $10.8[380-600\text{nm}]$ $10.3[500-700\text{nm}]$

Photosynthetic parameters(400-700nm): PPF: $14.3 \mu\text{mol/s}$

PAR:

Eff(PPF):

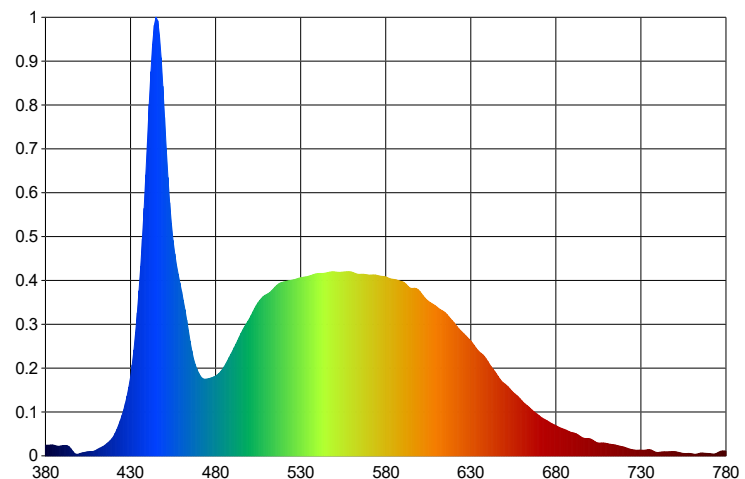
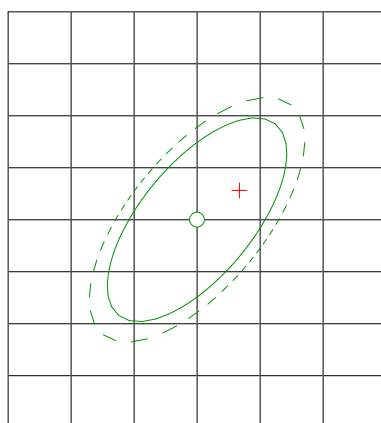
Electric Parameter

Voltage: $U=12\text{V}$ Current: $I=766.8\text{mA}$ Power: $P=9.2\text{W}$ PF: $PF=1$ Freq: 0Hz DF: 0

Device State

Wavelength Range: $380\text{nm}-780\text{nm}$ Wavelength Interval: 1nm

SDCM: 2.359



Standard: LM-79-08

Product Model: SF120-3014E

Sample No.: 1

Test Cond: $Tg=24.6\text{Cels}$ $Ta=24.2\text{Cels}$ $RH=60.0\%$

Test Date: 2025-3-25 22:40:35

Manufacturer:

Product Category: LED Strip

Measure Device: Volnic X-10 Series CCD Spectrum System

Operator(Sign): Charlie Chan