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# Lighting Measure Report

## Color Parameter

Chroma Coordinate:  $x=0.3155$   $y=0.3398$   $u=0.1958$   $v=0.3163$   $Duv=0.0073$

Chroma Coordinate:  $u'=0.1958$   $v'=0.4744$

CCT.: CCT=6292K Dominant:  $d=496.4\text{nm}$  Barycenter:  $b=540\text{nm}$  Peak Wavelength:  $p=456.1\text{nm}$

FWHM: 20.94nm Purity:  $Pe=5.737\%$  Red Ratio:  $R=0.134$  Green Ratio:  $G=0.803$  Blue Ratio:  $B=0.063$

Color CRI.:  $Ra=83.56$   $AvgR(1\sim14)=76.57$   $AvgR(1\sim15)=76.53$

R 1=82 R 2=93 R 3=95 R 4=78 R 5=81 R 6=87 R 7=86

R 8=67 R 9=6 R 10=81 R 11=77 R 12=55 R 13=86 R 14=98

R 15=76

GAI:  $GAI\_EES=82.64$ ,  $GAI\_BB8=82.92$ ,  $GAI\_BB15=89.11$

## Luminosity Parameter

Luminous Flux(380-780nm): 500.477lm Optical Power(380-780nm): 1.598W Efficient(380-780nm): 105.8lm/W

EEL: 0.107 Energy Class: F (EU)2019/2015 Luminance = 10cd/m<sup>2</sup>

Photons( $\mu\text{mol/s}$ ): 7.2[380-780nm] 5.4[380-600nm] 5[500-700nm]

Photosynthetic parameters(400-700nm): PPF: 7.1  $\mu\text{mol/s}$

PAR:

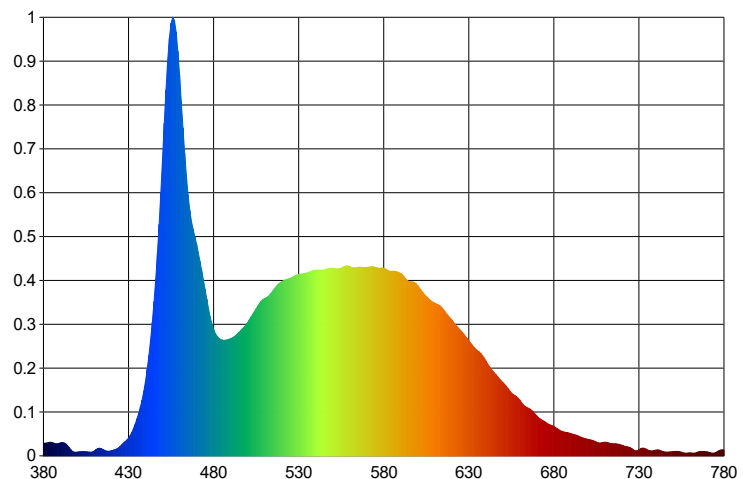
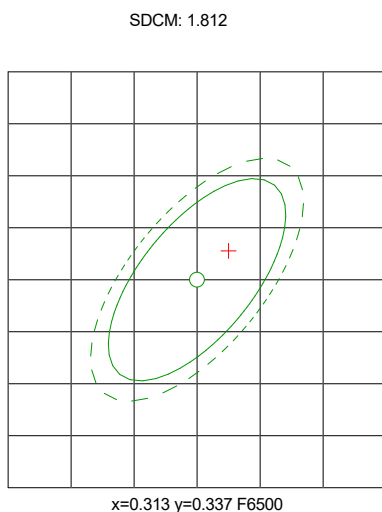
Eff(PPF):

## Electric Parameter

Voltage:  $U=5\text{V}$  Current:  $I=945.9\text{mA}$  Power:  $P=4.73\text{W}$  PF:  $PF=1$  Freq: 0Hz DF=0

## Device State

Wavelength Range: 380nm-780nm Wavelength Interval: 1nm



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## Standard: LM-79-08

Product Model: SF100-2835A 5V

Sample No.: 1

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

Measure Device: Volnic X-10 Series CCD Spectrum System

Test Date: 2025-2-4 21:1:48