
Lighting Measure Report

Color Parameter

Chroma Coordinate: $x=0.3141$ $y=0.3267$ $u=0.1996$ $v=0.3115$ $Duv=0.0014$

Chroma Coordinate: $u'=0.1996$ $v'=0.4673$

CCT.: CCT=6447K Dominant: $d=487.2\text{nm}$ Barycenter: $b=539\text{nm}$ Peak Wavelength: $p=448.1\text{nm}$

FWHM: 19.23nm Purity: $Pe=6.995\%$ Red Ratio: $R=0.137$ Green Ratio: $G=0.809$ Blue Ratio: $B=0.053$

Color CRI.: $Ra=84.11$ $AvgR(1\sim14)=77.21$ $AvgR(1\sim15)=77.33$

R 1=83 R 2=87 R 3=89 R 4=86 R 5=84 R 6=82 R 7=88

R 8=73 R 9=14 R 10=68 R 11=86 R 12=63 R 13=84 R 14=94

R 15=79

GAI: $GAI_EES=91.4$, $GAI_BB8=91.07$, $GAI_BB15=95.26$

Luminosity Parameter

Luminous Flux(380-780nm): 698.28lm Optical Power(380-780nm): 2.286W Efficient(380-780nm): 119.7lm/W

EEL: 0.1015 Energy Class: E (EU)2019/2015 Luminance = 10cd/m^2

Photons($\mu\text{mol/s}$): $10.3[380-780\text{nm}]$ $7.6[380-600\text{nm}]$ $7.2[500-700\text{nm}]$

Photosynthetic parameters(400-700nm): PPF: $10\ \mu\text{mol/s}$

PAR:

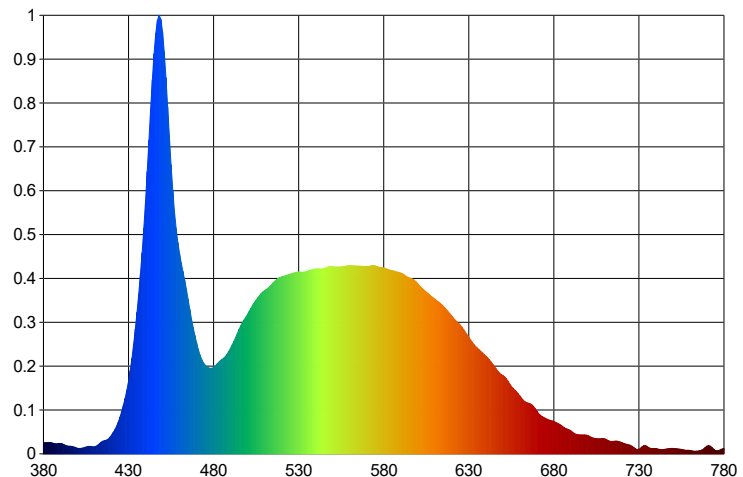
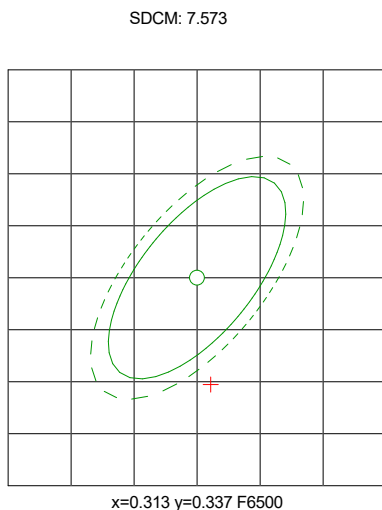
Eff(PPF):

Electric Parameter

Voltage: $U=12\text{V}$ Current: $I=486.1\text{mA}$ Power: $P=5.83\text{W}$ PF: $PF=1$ Freq: 0Hz DF: 0

Device State

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



Standard: LM-79-08

Product Model: ORIGINAL SAMPLE

Sample No.: 1

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

Test Date: 2025-1-31 17:22:57

Manufacturer: EXTERNAL

Product Category: Apple panel

Measure Device: Volnic X-10 Series CCD Spectrum System

Operator(Sign): Charlie Chan