

Lighting Spectrum Test Report



Product Type : G125-120V-22W Filament Bulb for Plant
Model NO. :
Test NO. : 2
Maker :
Remark : Full spectrum Bulb

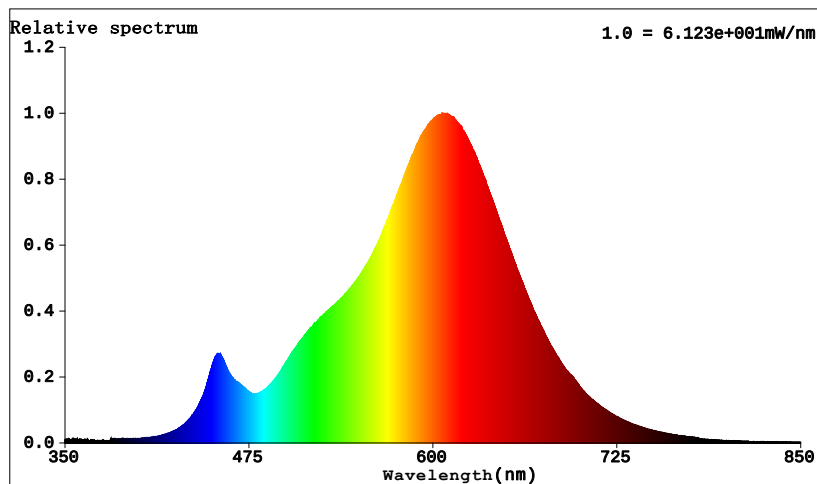
Date: : 2019-07-05 17:09:08
Test Method: :
Instrument Name: HaasSuite(EVERFINE)
Tester : 赵



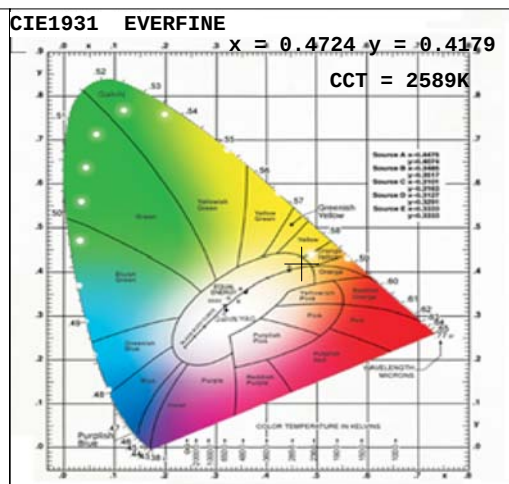
Temperature : 25.3Deg
Spectral range : 350nm-850nm
Test Mode : fast mode
Test sensitivity : higher

Humidity : 65.0%
IP p-p : 33525 (51%)
Sampling time : 313 ms

Spectral parameters



Spectrogram



CIE1931

CIE parameters

Chro. Coord: $x = 0.4724$ $y = 0.4179$ / $u' = 0.2673$ $v' = 0.5320$ ($duv=1.71e-03$) $Dx,Dy:0.0032,0.0054$
CCT=2589K Domiant Wave: $\lambda_d=584.3nm$ Purity=67.2%
Peak Wave: $\lambda_p=607nm$ Half Width:FWHM=110.7nm Flux RGB:R=25.9% G=72.1% B=2.0%

Ra = 81.5 AvgR = 76.2 TM30:Rf=83 Rg=93

R1 =80 R2 =91 R3 =95 R4 =79 R5 =80 R6 =91 R7 =81
R8 =55 R9 =3 R10=81 R11=79 R12=76 R13=82 R14=98 R15=71

ANSI_2700K

Illumination&Radiometric parameters

Flux: $\Phi = 2699.2 lm$ Effi.: 127.87 lm/W Radiant: $\Phi_e = 8.3874 W$

Radiation flux density($\mu mol/s$):41.238 Blue light ratio:13.30 fluorescence Effi.:229.7
B: $8.3874e+003mW$

Photosynthetic Radiation: Photosynthetic Radiation Flux (400~700nm) : 39.296 $\mu mol/s$

Photosynthetic active radiation flux (400~700nm) :8020.5mW

Photosynthetic Radiation Flux Effi. (400~700nm) : 1.86 $\mu mol/s/W$

Elect.Parameters

Voltage: V = 120.2 V Current: I = 0.2827 A Power: P = 21.11 W PF = 0.6214 Frequency=60.01 Hz