

Spectrum Test Report

Sample :
Specification : FC2 400W 6000K
Sample No. : 01
Manufacturer :
Remark :
Device SN :

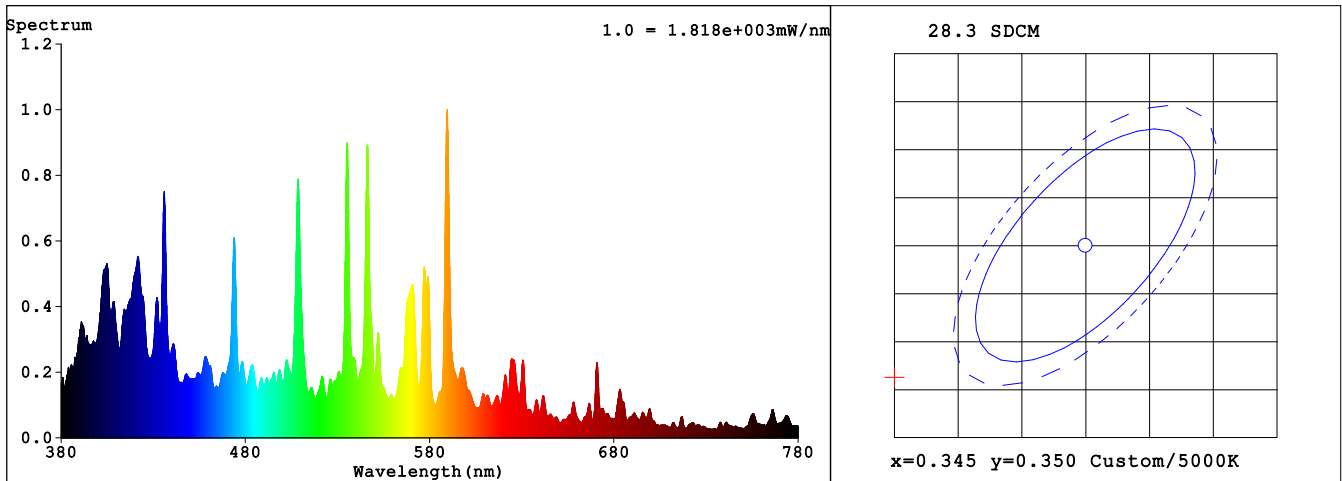
Date : 2024-06-14 16:06:54
Sam. Status :
Standard :
Instrument :
Test by :

Test Condition

Temperature : 25.3Deg
WL Range : 380nm-780nm
Test Mode : Fast Test
Sensitivity : High

RH : 65.0%
IP : 53518 (82%)
T : 181 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3019$ $y = 0.3363$ / $u' = 0.1878$ $v' = 0.4706$ ($duv=1.23e-02$)

CCT= 7024K Prcp WL: $L_d=492.9nm$ Purity=10.4%

Peak WL: $L_p=590nm$ FWHM: =3.1nm Ratio:R=8.7% G=85.7% B=5.6%

Render Index: $R_a = 74.2$

EEL: 0.16352 A+

R1 =65 R2 =79 R3 =90 R4 =72 R5 =72 R6 =77 R7 =82

R8 =55 R9 =0 R10=54 R11=70 R12=71 R13=69 R14=94 R15=54

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 32688 lm Eff. : 83.30 lm/W $F_e = 135.51 W$

Flux of emitted photons($\mu mol/s$):587.21 Fluo. and blue light ratio:0.3260 Fluorescent eff.:77.08

A: $9.3610e+003mW$

B: $1.3551e+005mW$

Photosynthetic:PPF(400-700nm):518.79 $\mu mol/s$ PRF(400-700nm): $1.2003e+005mW$

Eff(PPF) (400-700nm):1.32 $\mu mol/s/W$

Electrical parameters

V = 107.70 V I = 4.014 A P = 392.4 W PF = 0.9077 F=50.00 Hz