

Spectrum Test Report

Sample :
Specification : F52-400-400OM1-W5
Sample No. : 52
Manufacturer :

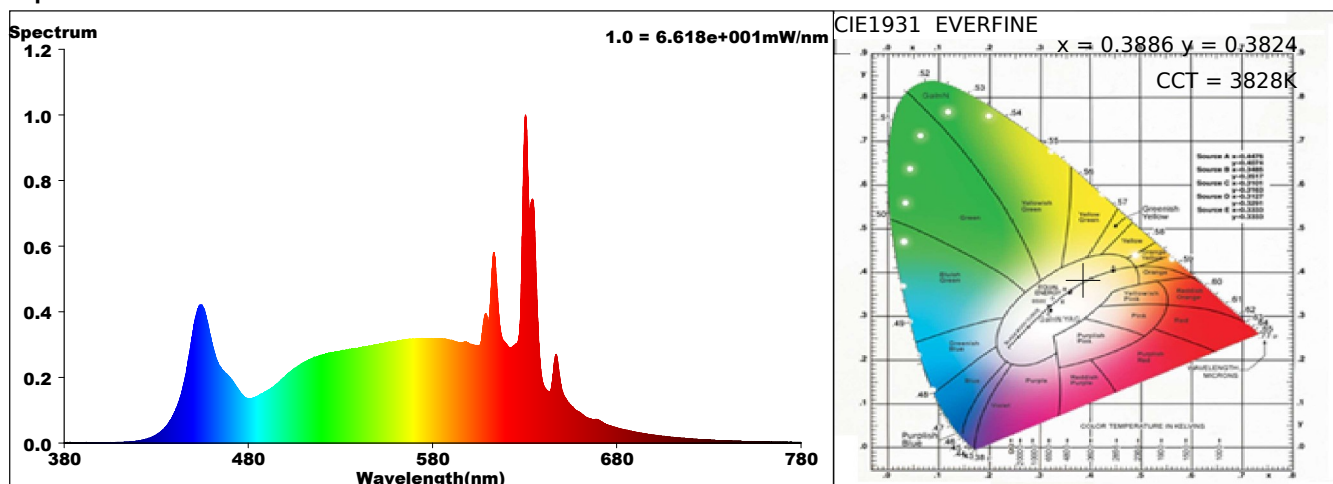
Date : 2025-03-18 11:35:25
Instrument : HAAS-2000(EVERFINE)
Test by : LHY
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 53853 (82%)
T : 150 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3886$ $y = 0.3824$ / $u' = 0.2282$ $v' = 0.5053$ ($duv=3.43e-04$)

CCT= 3828K Prcp WL: $L_d=579.5nm$ Purity=31.4%

Peak WL: $L_p=630nm$ FWHM: $=8.2nm$ Ratio: R=21.2% G=74.8% B=4.1%

Render Index: $R_a = 95.7$

R1 =98 R2 =98 R3 =96 R4 =96 R5 =96 R6 =95 R7 =95

R8 =91 R9 =77 R10=93 R11=97 R12=72 R13=98 R14=97 R15=95

LEVEL:OUT WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 1440.2 lm Eff. : 142.71 lm/W $\eta_e = 4.3461$ W (EQE):468.06%

Flux of emitted photons($\mu mol/s$):20.403 Fluo. and blue light ratio:5.177 Fluorescent eff.:361.1

A: 1.4455e+000mW

B: 4.3461e+003mW

Photons1:3.519e+000 $\mu mol/s$ (400~500nm) Photons2:7.764e+000 $\mu mol/s$ (600~700nm)

Electrical parameters

V = 24.00 V I = 0.4205 A P = 10.09 W PF = 1.000