

Spectrum Test Report

Sample : Omnio Mini
Specification : LS411COB-20W-840-NM-2-A-01-SL
Sample No. : LUM02380_10_1
Manufacturer : Lumascope

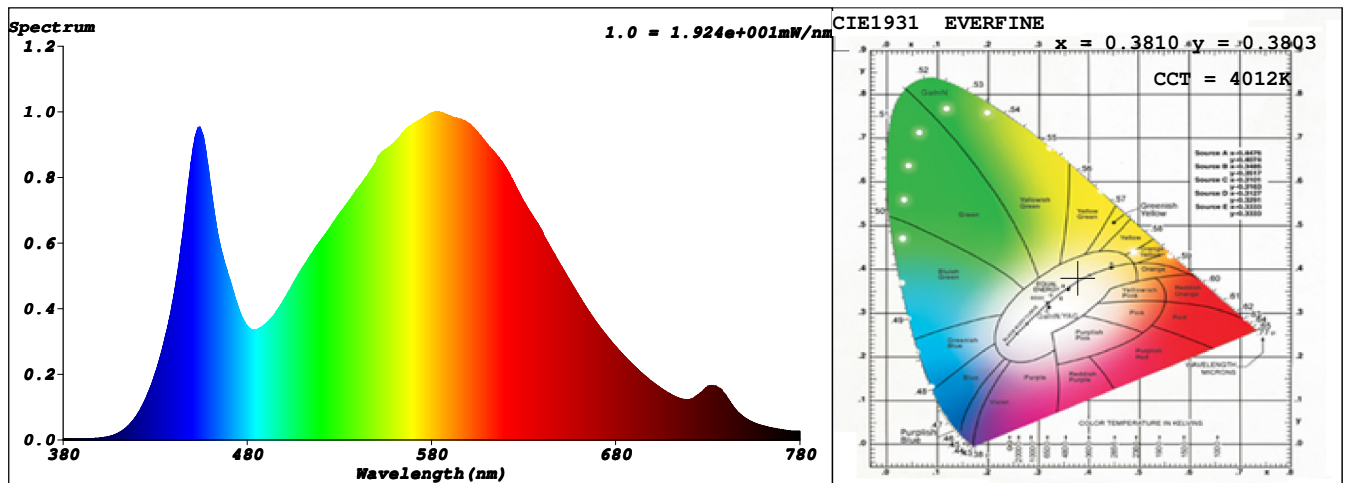
Date : 2016-06-08 14:53:02
Sam. Status : 20 Sample average
Instrument : HaasSuite(EVERFINE)
Test by : David

Test Condition

Temperature : 25 Deg
WL Range : 380nm-780nm
Test Mode : Accuracy Test

RH : 45%
IP : 53222 (81%)
T : 110 ms
Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3810$ $y = 0.3803$ / $u' = 0.2240$ $v' = 0.5032$ ($duv=1.50e-03$)

CCT= 4012K Prcp WL: $L_d=578.2nm$ Purity=28.5%

Peak WL: $L_p=584nm$ FWHM: $=146.3nm$ Ratio: R=17.7% G=78.6% B=3.7%

Render Index: $R_a = 80.5$

R1 =78	R2 =88	R3 =94	R4 =77	R5 =77	R6 =82	R7 =86
R8 =63	R9 =4	R10=70	R11=73	R12=58	R13=80	R14=97
						R15=73

Photometric & Radiometric Parameters

Flux = 1165.7 lm Eff. : 44.81 lm/W Fe = 3.6393 W

Photons1: $2.929e+000$ umol/s(400~500nm) Photons2: $5.894e+000$ umol/s(600~700nm)

Electrical parameters

V = 240.1 V I = 0.1135 A P = 26.01 W PF = 0.9544