

Spectrum Test Report

Sample : Omnio Mini
Specification : LS411COB-20W-840-WD-1-A-01-SL
Sample No. : LUM02380_5_61
Manufacturer : Lumascope

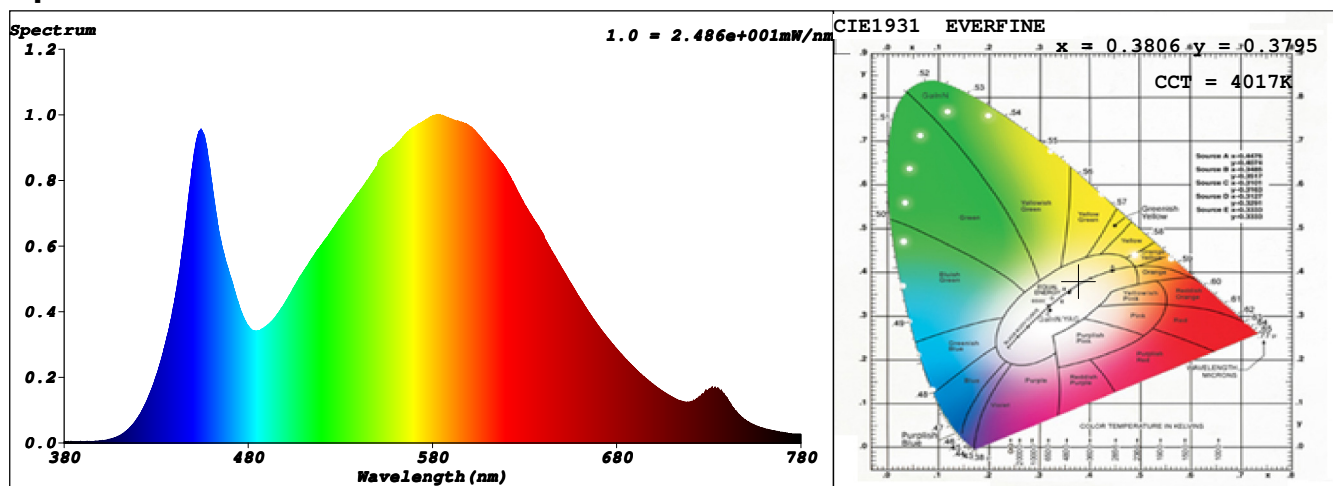
Date : 2016-06-08 14:04:02
Sam. Status : 20 Sample average
Instrument : HaasSuite(EVERFINE)
Test by : David

Test Condition

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

RH : 45%
IP : 48740 (74%)
T : 78 ms
Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3806$ $y = 0.3795$ / $u' = 0.2241$ $v' = 0.5028$ ($duv=1.23e-03$)
CCT= 4017K Prcp WL: $L_d=578.3nm$ Purity=28.1%
Peak WL: $L_p=583nm$ FWHM: $=146.1nm$ Ratio:R=17.7% G=78.5% B=3.7%

Render Index: $R_a = 80.7$

R1 =78 R2 =88 R3 =94 R4 =77 R5 =78 R6 =82 R7 =86
R8 =63 R9 =5 R10=70 R11=73 R12=59 R13=80 R14=97 R15=73

Photometric & Radiometric Parameters

Flux = 1504.5 lm Eff. : 57.89 lm/W $Fe = 4.7093 W$
Photons1:3.818e+000 umol/s(400~500nm) Photons2:7.619e+000 umol/s(600~700nm)

Electrical parameters

V = 240.1 V I = 0.1134 A P = 25.99 W PF = 0.9544