

Spectrum Test Report

Sample : Omnio Mini
Specification : LS411COB-20W-840-WF-2-A-01-SL
Sample No. : LUM02380_12_1
Manufacturer : Lumascape

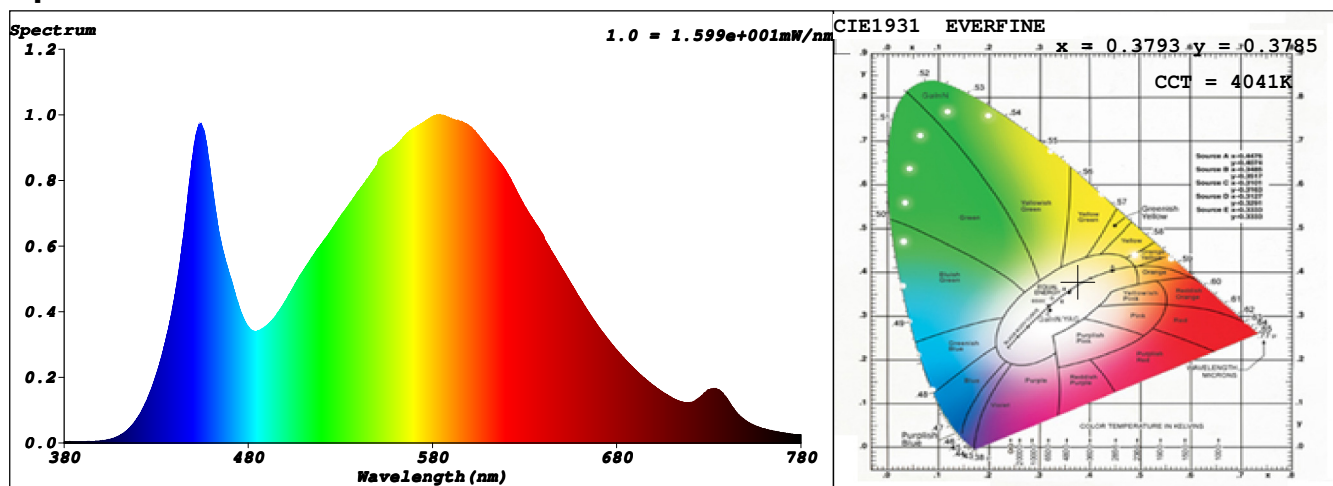
Date : 2016-06-08 14:46:21
Sam. Status : 20 Sample average
Instrument : HaasSuite(EVERFINE)
Test by : David

Test Condition

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

RH : 45%
IP : 53550 (82%)
T : 133 ms
Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3793$ $y = 0.3785$ / $u' = 0.2237$ $v' = 0.5022$ ($duv=1.14e-03$)
CCT= 4041K Prcp WL: $L_d=578.3nm$ Purity=27.4%
Peak WL: $L_p=584nm$ FWHM: $=146.4nm$ Ratio:R=17.6% G=78.6% B=3.8%

Render Index: $R_a = 80.7$

R1 =78	R2 =88	R3 =94	R4 =77	R5 =78	R6 =82	R7 =86
R8 =63	R9 =4	R10=70	R11=73	R12=59	R13=80	R14=97
						R15=73

Photometric & Radiometric Parameters

Flux = 968.69 lm Eff. : 37.26 lm/W $F_e = 3.0327 W$
Photons1: $2.481e+000$ umol/s(400~500nm) Photons2: $4.879e+000$ umol/s(600~700nm)

Electrical parameters

$V = 240.1 V$ $I = 0.1135 A$ $P = 26.00 W$ PF = 0.9543