

## Spectrum Test Report

Sample : Omnio Mini  
Specification : LS411COB-20W-840-NM-1-A-01-SL  
Sample No. : LUM02380\_4\_61  
Manufacturer : Lumascope

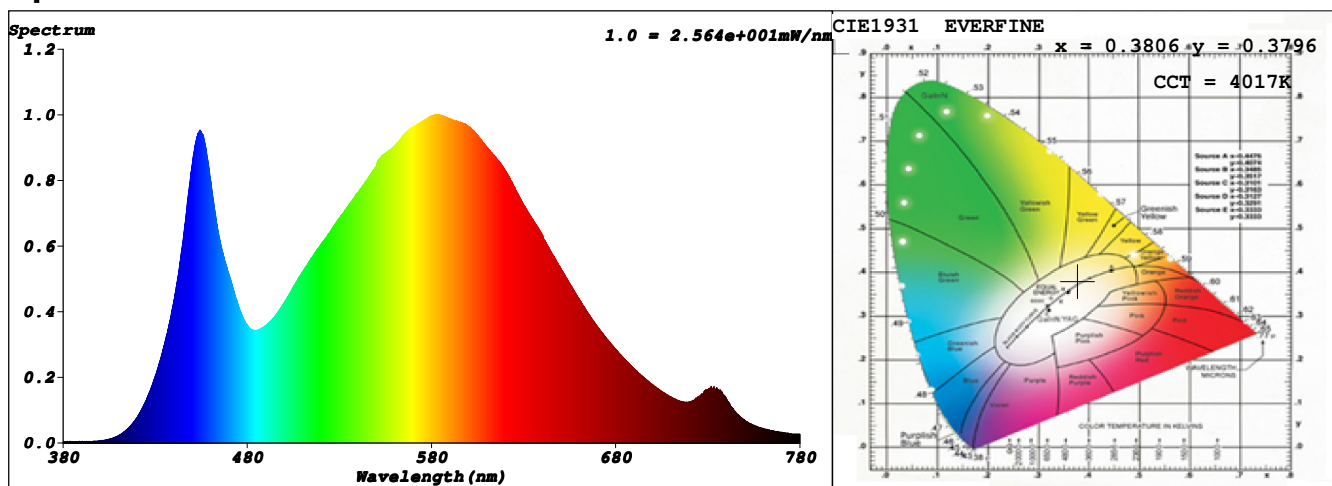
Date : 2016-06-08 13:58:48  
Sam. Status : 20 Sample average  
Instrument : HaasSuite(EVERFINE)  
Test by : David

### Test Condition

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

RH : 45%  
IP : 50310 (77%)  
T : 78 ms  
Sensitivity : High

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3806$   $y = 0.3796$  /  $u' = 0.2241$   $v' = 0.5029$  ( $duv=1.29e-03$ )  
CCT= 4017K Prcp WL:  $L_d=578.3nm$  Purity=28.2%  
Peak WL:  $L_p=584nm$  FWHM:  $=145.9nm$  Ratio:R=17.7% G=78.5% B=3.8%

Render Index:  $R_a = 80.6$

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 = 1551.0 lm Eff. : 59.68 lm/W  $F_e = 4.8542 W$   
Photons1:  $3.937e+000$  umol/s(400~500nm) Photons2:  $7.849e+000$  umol/s(600~700nm)

### Electrical parameters

$V = 240.1 V$   $I = 0.1134 A$   $P = 25.99 W$  PF = 0.9543