

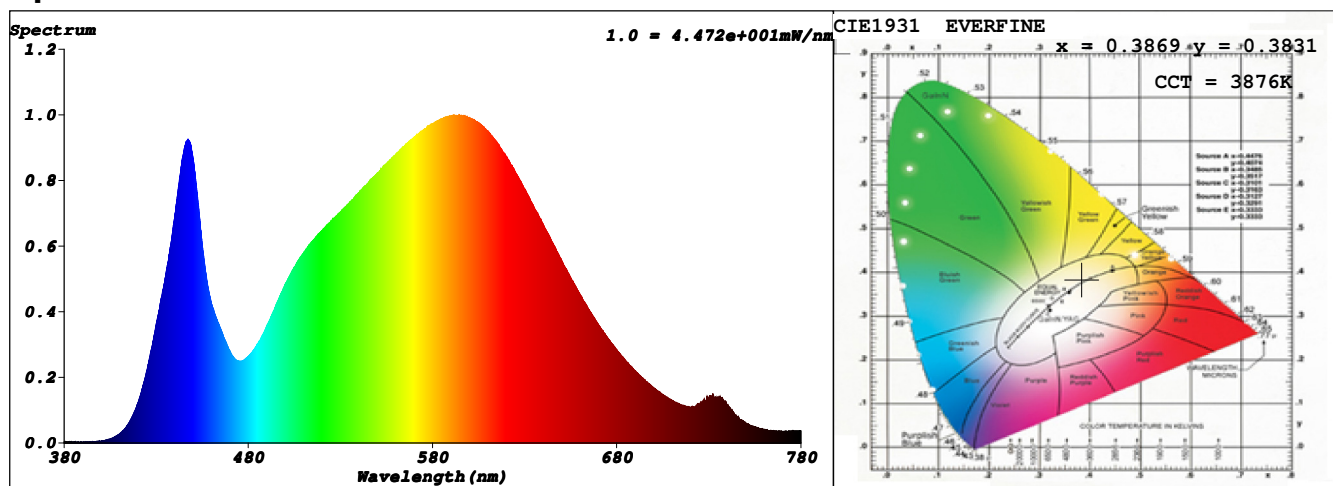
Spectrum Test Report

Sample	: LS 3080	Date	: 2015-10-22 10:18:11
Specification	: LS3080-30W-840-A-x-x-WD-x-x-01-PS	Sam. Status	: 20 sample average
Sample No.	: LUM02348_4_1	Instrument	: HaasSuite(EVERFINE)
Manufacturer	: Lumascope	Test by	: David

Test Condition

Temperature	: 25 Deg	RH	: 45 %
WL Range	: 380nm-780nm	IP	: 52763 (81%)
Test Mode	: Fast Test	T	: 48 ms
		Sensitivity	: High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3869$ $y = 0.3831$ / $u' = 0.2268$ $v' = 0.5053$ ($duv=1.10e-03$)
 CCT= 3876K Prcp WL: $L_d=579.0nm$ Purity=31.1%
 Peak WL: $L_p=594nm$ FWHM: $=154.0nm$ Ratio:R=18.5% G=78.3% B=3.2%

Render Index: $R_a = 81.9$

R1 =80	R2 =87	R3 =93	R4 =82	R5 =80	R6 =82	R7 =86
R8 =65	R9 =9	R10=69	R11=81	R12=66	R13=81	R14=96 R15=74

Photometric & Radiometric Parameters

Flux = 2905.8 lm Eff. : 80.51 lm/W $F_e = 9.0691 W$
 Flux of emitted photons($\mu mol/s$):43.009 Fluo. and blue light ratio:5.515 Fluorescent eff.:197.5
 Photons1:6.910e+000 $\mu mol/s(400\sim 500nm)$ Photons2:1.522e+001 $\mu mol/s(600\sim 700nm)$

Electrical parameters

V = 236.4 V I = 0.1645 A P = 36.09 W PF = 0.9285