

## Spectrum Test Report

Sample : Quadralux Q4  
Specification : LS9140-50W-830-NM-01-PS-BL  
Sample No. : LUM02338\_2\_52  
Manufacturer : Lumascope

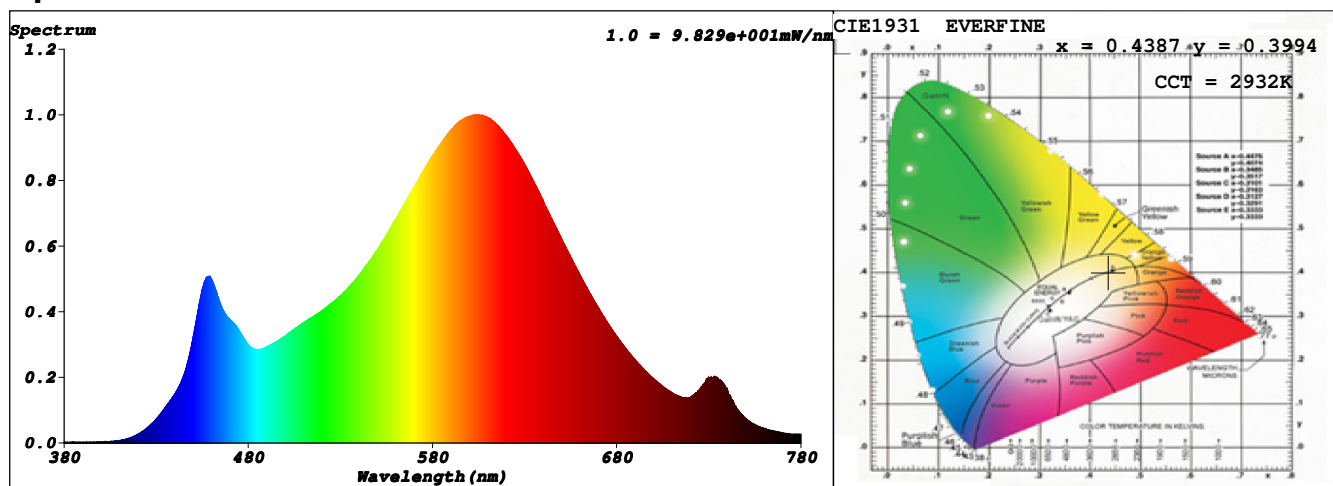
Date : 2015-11-23 12:26:34  
Sam. Status : 20 sample average  
Instrument : HaasSuite(EVERFINE)  
Test by : David

### Test Condition

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

RH : 45%  
IP : 48213 (74%)  
T : 194 ms  
Sensitivity : Low

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4387$   $y = 0.3994$  /  $u' = 0.2538$   $v' = 0.5198$  ( $duv = -2.09e-03$ )  
CCT= 2932K Prcp WL:  $L_d = 583.9nm$  Purity=51.6%  
Peak WL:  $L_p = 604nm$  FWHM:  $=122.7nm$  Ratio: R=23.5% G=73.3% B=3.2%

Render Index:  $R_a = 82.7$

R1 =82 R2 =95 R3 =92 R4 =78 R5 =83 R6 =93 R7 =80  
R8 =59 R9 =13 R10=88 R11=76 R12=78 R13=85 R14=96 R15=75

### Photometric & Radiometric Parameters

Flux = 5383.5 lm Eff. : 93.51 lm/W Fe = 17.394 W

### Electrical parameters

V = 239.0 V I = 0.2468 A P = 57.57 W PF = 0.9761