

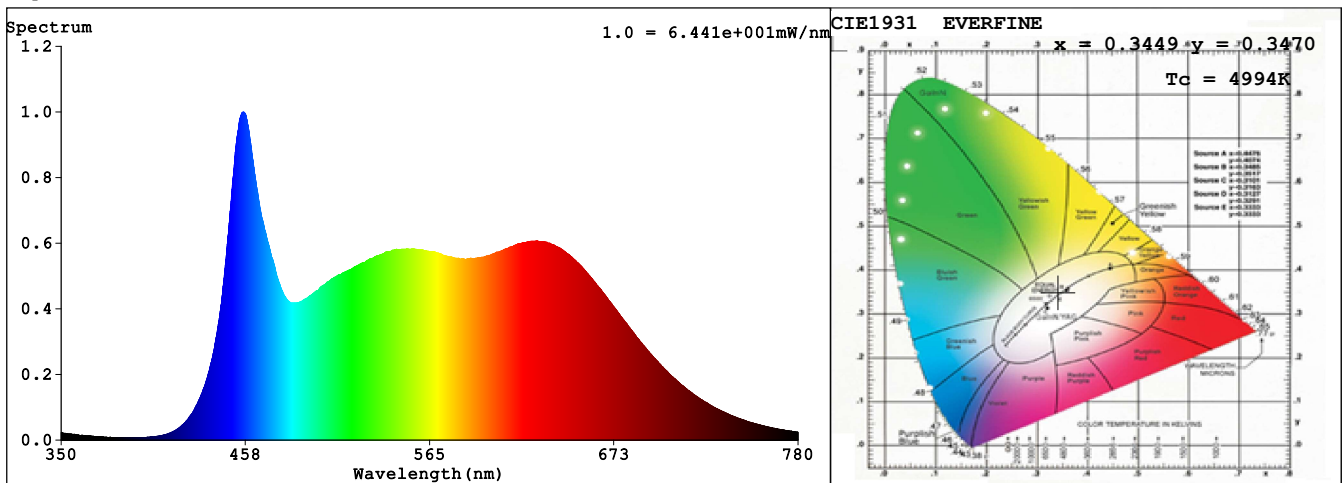
## Spectrum Test Report

Sample :	Date :	2019-12-18 10:33:15
Specification :	Sam. Status :	
Sample No. : 5000K-30W	Instrument :	HaasSuite(EVERFINE)
Manufacturer :	Test by :	L

### Test Condition

Temperature : Deg	RH : %
WL Range : 350nm-780nm	IP : 50239 (77%)
Test Mode : Fast Test	T : 121 ms
	Delicacy : Low

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Quantities

Chromaticity Coordinate:  $x = 0.3449$   $y = 0.3470$  /  $u' = 0.2130$   $v' = 0.4824$  ( $duv = -2.23e-03$ )  
 $T_c = 4994K$  Prcp WL:  $\lambda_d = 575.9nm$  Purity=7.6%  
 Peak WL:  $\lambda_p = 457nm$  Half Width:  $\Delta\lambda_p = 30.7nm$  Ratio: R=19.5% G=74.9% B=5.6%

Render Index:  $R_a = 95.8$

R1 =97	R2 =98	R3 =99	R4 =94	R5 =95	R6 =95	R7 =94	
R8 =95	R9 =95	R10=98	R11=96	R12=71	R13=97	R14=99	R15=94

### Photometric & Radiometric Quantities

Flux = 2612.9 lm Eff. : 87.22 lm/W  $F_e = 9.7021 W$   
 Flux of emitted photons( $\mu mol/s$ ):4.588 Flu. and blue light ratio:3.523 Fluorescent eff.:25.23

### Electrical parameters

V = 28.53 V I = 1.050 A P = 29.96 W PF = 1.000