



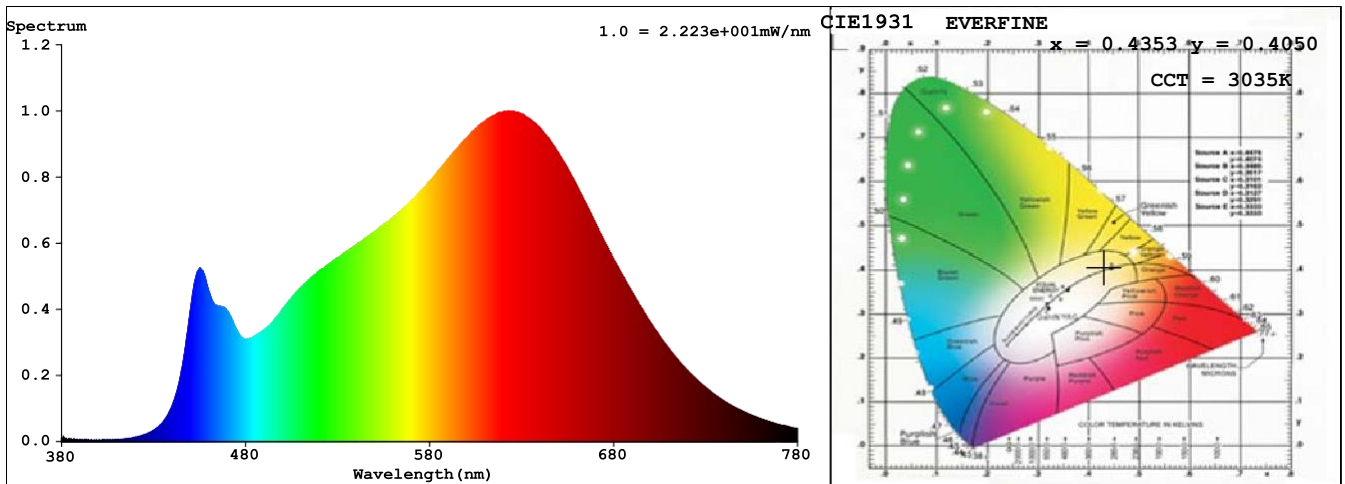
## Spectrum Test Report

Sample	: E12W230W30	Date	: 2019-04-29 16:25:36
Specification	: 5050 60LED 10MM 12V 14.4W 3500K IP68 CRI90 1M		
Sample No.	: LD19040302#19	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: Velleman
Assessor	:		
Remark	:		

### Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 51597 (79%)
Test Mode	: Fast Test	T	: 169 ms
		Sensitivity	: High

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4353$   $y = 0.4050$  /  $u' = 0.2491$   $v' = 0.5215$  ( $duv=5.97e-04$ )

CCT= 3035K Prcp WL:  $L_d=582.5\text{nm}$  Purity=52.2%

Peak WL:  $L_p=623\text{nm}$  FWHM: =168.4nm Ratio:R=24.3% G=72.4% B=3.3%

Render Index:  $R_a = 94.5$  CRI = 92.5 AvgR = 92.4 TM30:Rf=90 Rg=97

R1 =96 R2 =99 R3 =98 R4 =93 R5 =95 R6 =97 R7 =92

R8 =85 R9 =69 R10=97 R11=95 R12=81 R13=97 R14=100 R15=92

LEVEL:OUT WHITE:ANSI\_3000K

### Photometric & Radiometric Parameters

Flux = 1115.5 lm Eff. : 82.49 lm/W Fe = 3.9505 W

Flux of emitted photons( $\mu\text{mol/s}$ ):19.609 Flu. and blue light ratio:10.29 Fluorescent eff.:266.3

### Electrical parameters

V = 12.00 V I = 1.127 A P = 13.52 W PF = 1.000 F=0.00 Hz