



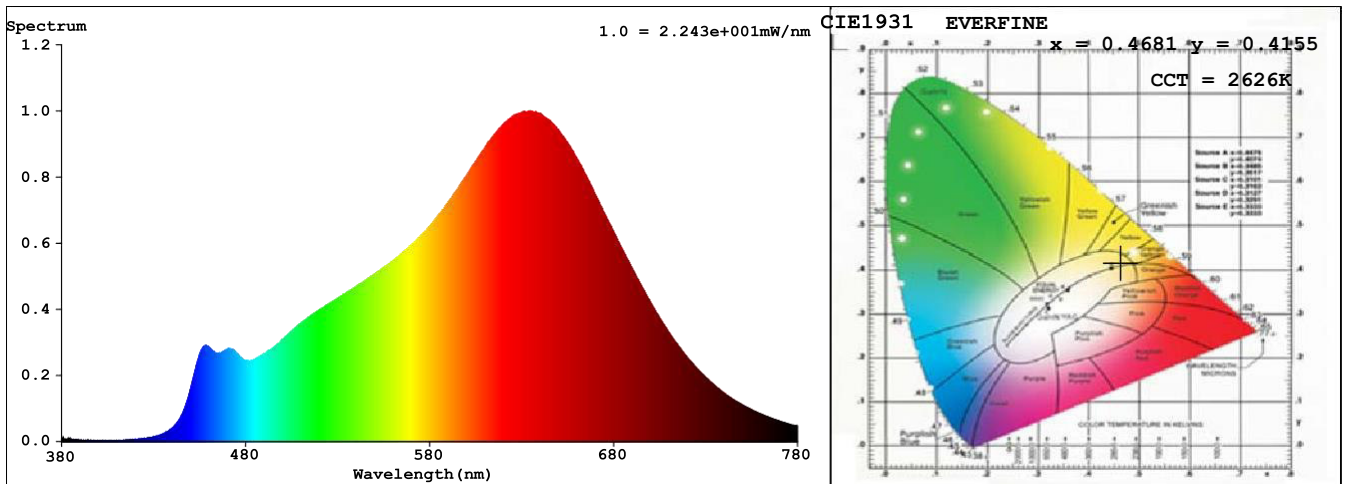
Spectrum Test Report

Sample	: E12W230W27	Date	: 2019-04-17 17:04:20
Specification	: 5050 60LED 10MM 12V 14.4W 2700K IP68 CRI90 1M		
Sample No.	: LD19040302#20	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: Velleman
Assessor	:		
Remark	:		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 52967 (81%)
Test Mode	: Fast Test	T	: 180 ms
		Sensitivity	: High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4681$ $y = 0.4155$ / $u' = 0.2656$ $v' = 0.5304$ ($duv=1.14e-03$)

CCT= 2626K Prcp WL: $L_d=584.2nm$ Purity=65.2%

Peak WL: $L_p=635nm$ FWHM: $=143.8nm$ Ratio: R=27.7% G=69.4% B=2.9%

Render Index: $R_a = 95.8$ CRI = 94.8 AvgR = 94.9 TM30: $R_f=90$ $R_g=96$

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

R8 =91 R9 =83 R10=96 R11=97 R12=86 R13=99 R14=99 R15=96

LEVEL:OUT WHITE:ANSI_2700K

Photometric & Radiometric Parameters

Flux = 949.49 lm Eff. : 71.13 lm/W Fe = 3.6437 W

Flux of emitted photons($\mu mol/s$):18.501 Fluo. and blue light ratio:15.53 Fluorescent eff.:256.5

Electrical parameters

V = 12.00 V I = 1.112 A P = 13.35 W PF = 1.000 F=0.00 Hz