



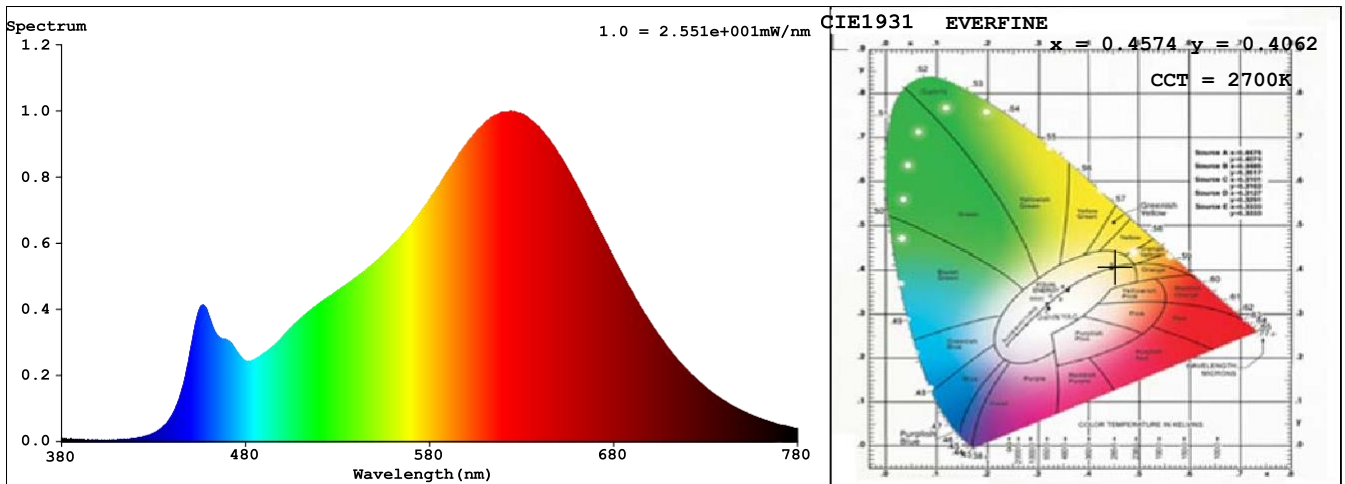
Spectrum Test Report

Sample	: E24N230W27	Date	: 2019-02-27 08:56:57
Specification	: 5050 60LED 10MM 24V 14.4W 2700K IP20 CRI90 1M		
Sample No.	: LD19040302#09	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: Velleman
Assessor	:		
Remark	:		

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 52987 (81%)
Test Mode	: Fast Test	T	: 136 ms
		Sensitivity	: High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4574$ $y = 0.4062$ / $u' = 0.2629$ $v' = 0.5253$ ($duv = -1.42e-03$)

CCT= 2700K Prcp WL: $L_d = 584.7\text{nm}$ Purity=59.2%

Peak WL: $L_p = 624\text{nm}$ FWHM: $\approx 143.8\text{nm}$ Ratio: R=26.7% G=70.4% B=2.9%

Render Index: $R_a = 93.2$ CRI = 91.6 AvgR = 91.5 TM30: $R_f = 90$ $R_g = 98$

R1 =95 R2 =100 R3 =96 R4 =93 R5 =95 R6 =96 R7 =90

R8 =81 R9 =63 R10=99 R11=95 R12=84 R13=97 R14=99 R15=91

LEVEL:OUT WHITE:ANSI_2700K

Photometric & Radiometric Parameters

Flux = 1156.3 lm Eff. : 83.29 lm/W Fe = 4.1948 W

Flux of emitted photons($\mu\text{mol/s}$):21.046 Fluo. and blue light ratio:12.39 Fluorescent eff.:279.7

Electrical parameters

V = 24.00 V I = 0.5785 A P = 13.88 W PF = 1.000 F=0.00 Hz