

Spectrum Test Report

Sample : CH026
 Specification : 2835-WW-120D-24V
 Sample No. : 2
 Manufacturer :
 Assessor : damin
 Remark :

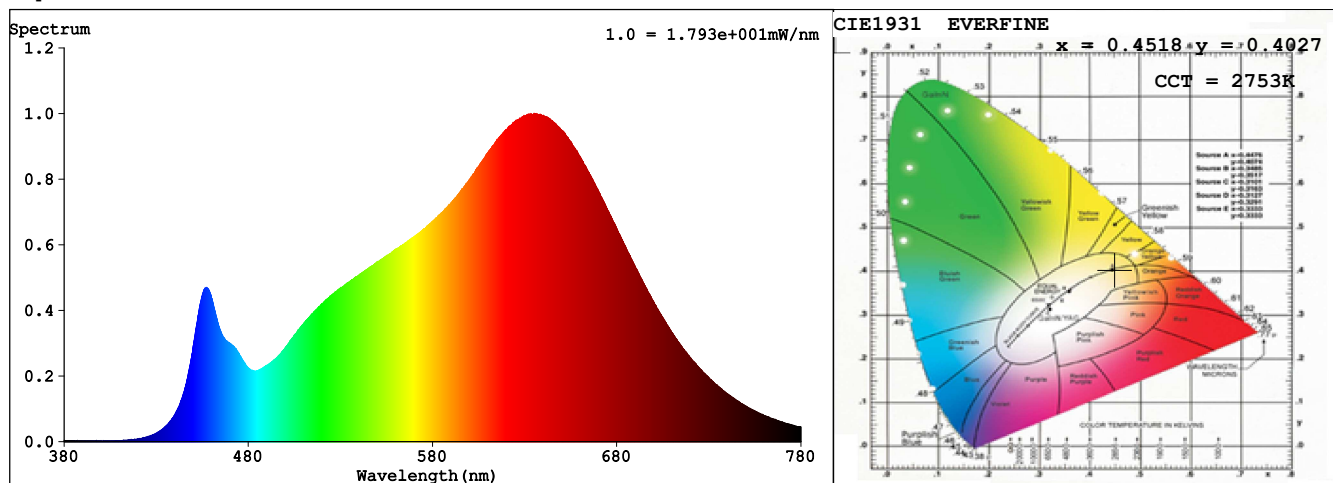
Date : 2020-04-20 09:10:27
 Standardtus :
 Instrument : HaasSuite(EVERFINE)
 Test by : IVAN

Test Condition

Temprature : 25.3Deg
 WL Range : 380nm-780nm
 Test Mode : Fast Test
 Sensitivity : High

RH : 65.0%
 IP : 49344 (75%)
 T : 151 ms
 Stable Time(s) : 0

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4518$ $y = 0.4027$ / $u' = 0.2608$ $v' = 0.5231$ ($duv = -2.26e-03$) $Dx, Dy: -0.0037, -0.0069$

CCT= 2753K Prcp WL: $L_d = 584.7nm$ Purity=56.5%

Peak WL: $L_p = 635nm$ FWHM: $= 155.2nm$ Ratio: R=26.7% G=70.4% B=2.8%

Render Index: $R_a = 97.3$ AvgR = 96.1 TM30: $R_f = 93$ $R_g = 102$

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

R8 = 94 R9 = 88 R10 = 99 R11 = 98 R12 = 83 R13 = 99 R14 = 98 R15 = 98

LEVEL: OUT WHITE: 2700K

Photometric & Radiometric Parameters

Flux = 783.68 lm Eff. : 84.84 lm/W $F_e = 3.0121 W$

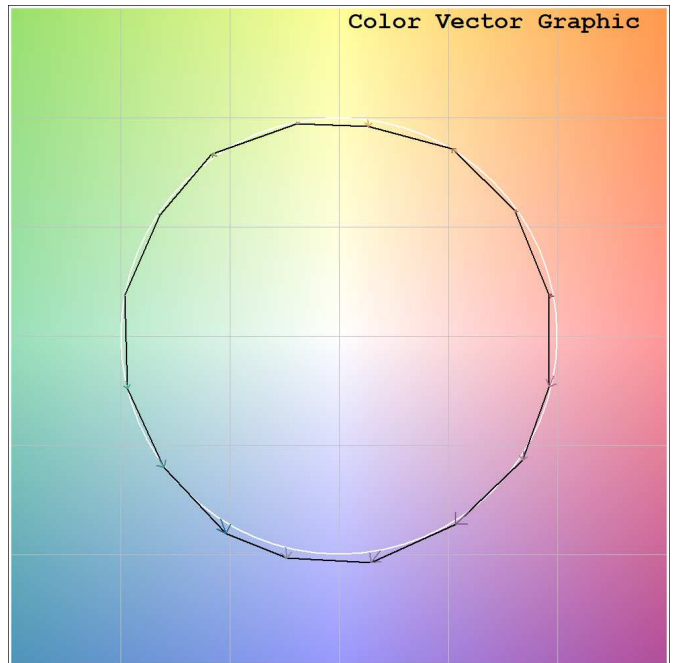
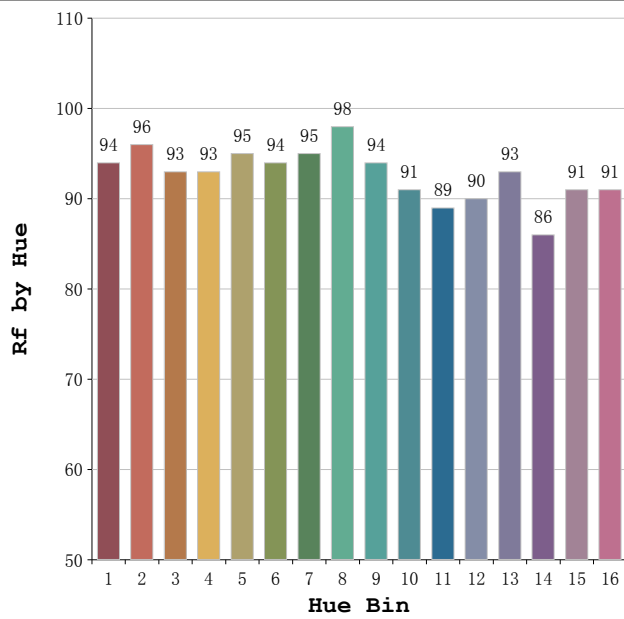
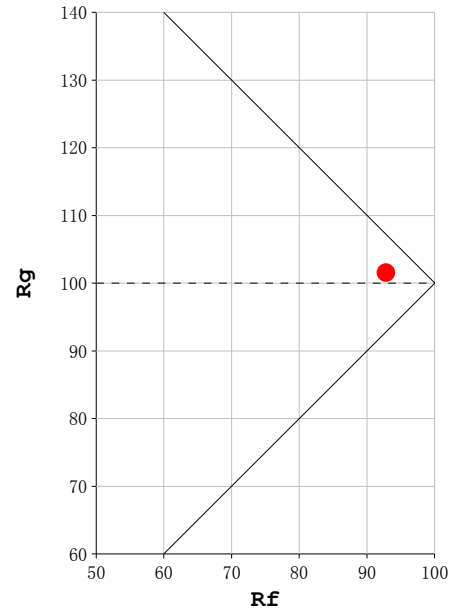
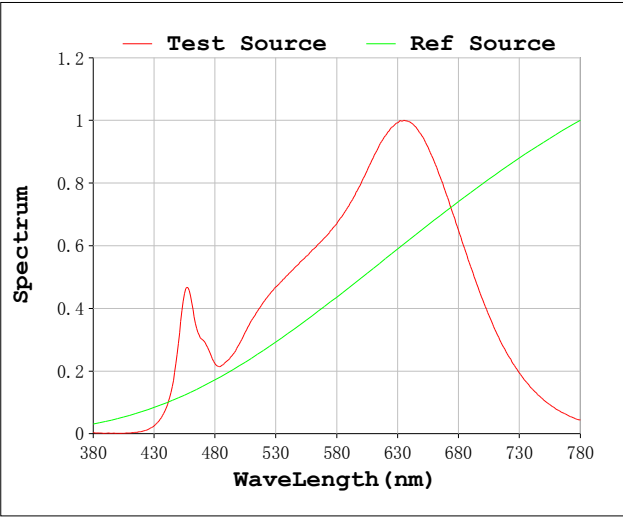
Flux of emitted photons ($\mu mol/s$): 13.685 Fluo. and blue light ratio: 11.43 Fluorescent eff.: 288.7

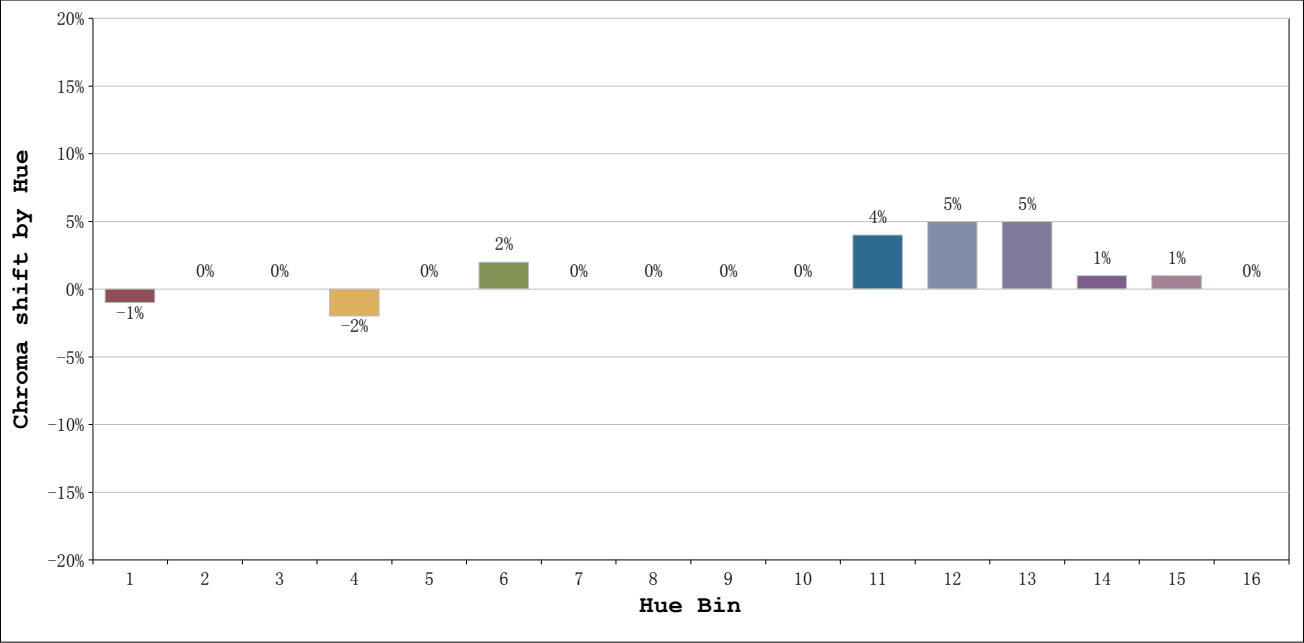
C: $2.7595e+003mW$

Electrical parameters

V = 24.00 V I = 0.3949 A P = 9.237 W PF = 1.000 F = 0.00 Hz

Rf: 93 CCT: 2753 K u' : 0.2608
Rg: 102 Duv: -0.0023 v' : 0.5231





			Graphic shift(%)	
Hue Bin	Hue Angle	Rf	Chroma	Hue
1	0. 0° - 22. 5°	94	-1	1
2	22. 5° - 45. 0°	96	0	1
3	45. 0° - 67. 5°	93	0	3
4	67. 5° - 90. 0°	93	-2	0
5	90. 0° - 112. 5°	95	0	1
6	112. 5° - 135. 0°	94	2	2
7	135. 0° - 157. 5°	95	0	0
8	157. 5° - 180. 0°	98	0	0
9	180. 0° - 202. 5°	94	0	3
10	202. 5° - 225. 0°	91	0	5
11	225. 0° - 247. 5°	89	4	6
12	247. 5° - 270. 0°	90	5	2
13	270. 0° - 292. 5°	93	5	-4
14	292. 5° - 315. 0°	86	1	-7
15	315. 0° - 337. 5°	91	1	-3
16	337. 5° - 360. 0°	91	0	-4