

Spectrum Test Report

Sample :
 Specification : 2835-140D-24V-10MM
 Sample No. : 3
 Manufacturer :
 Assessor : damin
 Remark : 1M

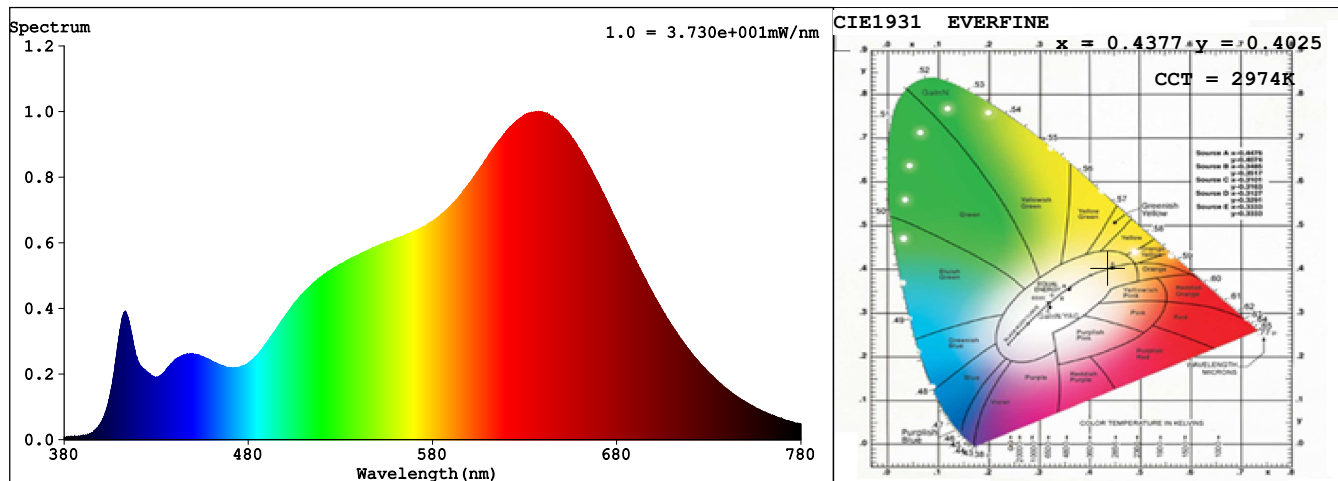
Date : 2025-09-12 21:12:33
 Standardtus :
 Instrument : HaasSuite(EVERFINE)
 Test by :

Test Condition

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

RH : 65.0%
 IP : 50094 (76%)
 T : 86 ms

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4377$ $y = 0.4025$ / $u' = 0.2518$ $v' = 0.5209$ ($duv = -7.20e-04$)

CCT= 2974K Prcp WL: $L_d = 583.2nm$ Purity=52.2%

Peak WL: $L_p = 638nm$ FWHM: $= 174.2nm$ Ratio: R=25.4% G=71.7% B=2.9%

Render Index: $R_a = 97.0$ AvgR = 96.7

R1 =98 R2 =99 R3 =94 R4 =94 R5 =97 R6 =100 R7 =97

R8 =97 R9 =98 R10=97 R11=92 R12=94 R13=99 R14=96 R15=98

LEVEL:OUT WHITE:3000K

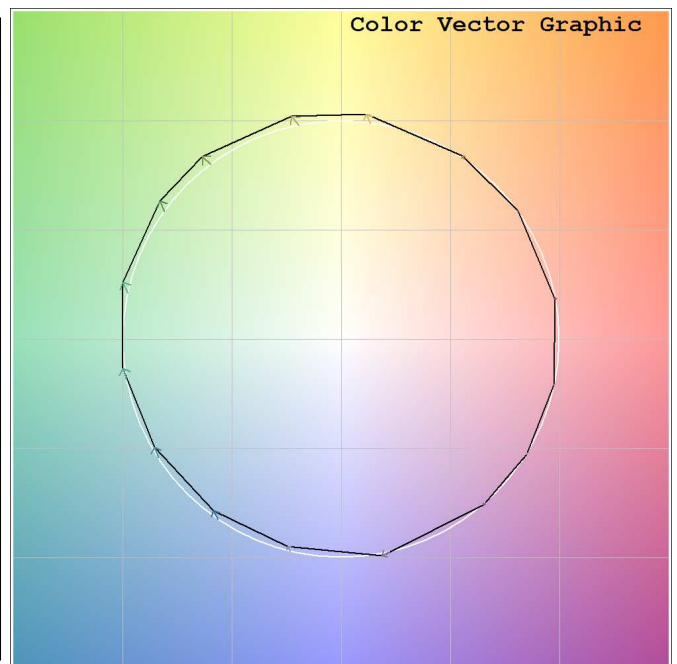
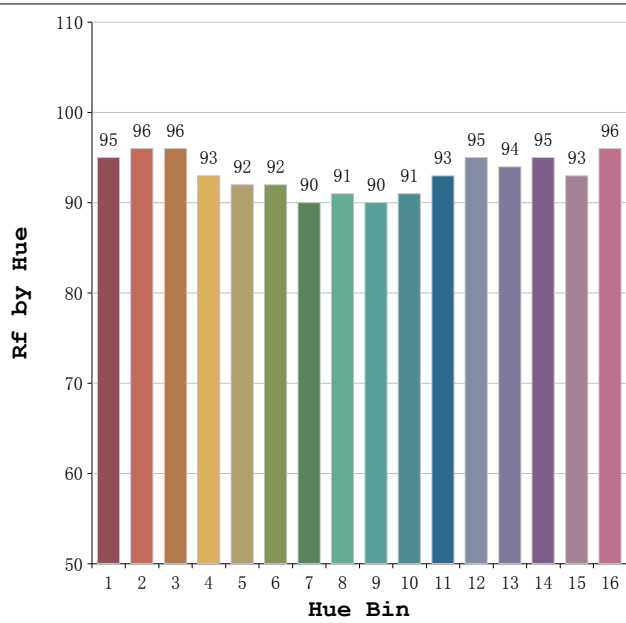
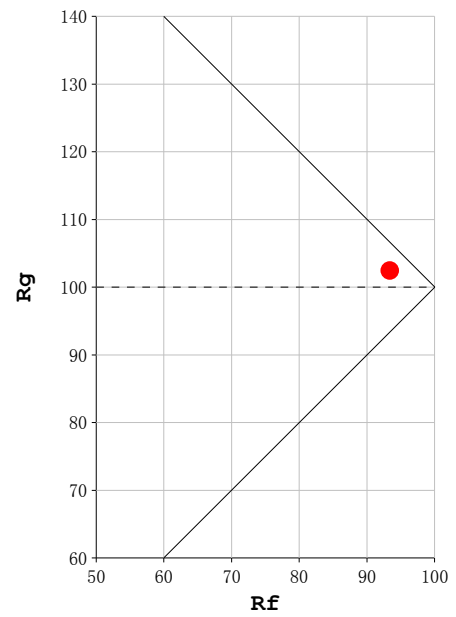
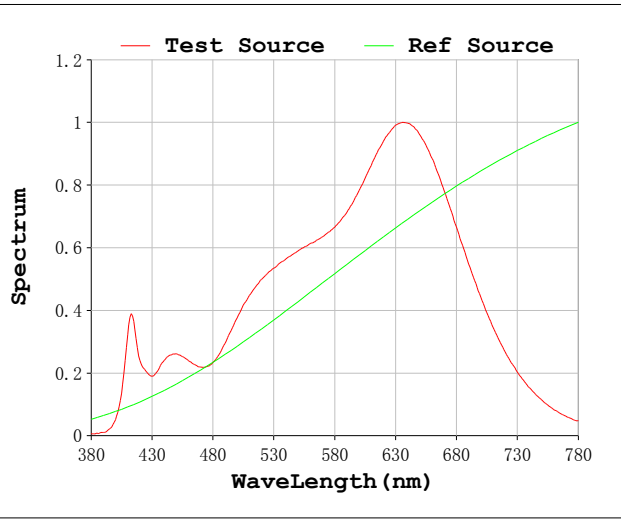
Photometric & Radiometric Parameters

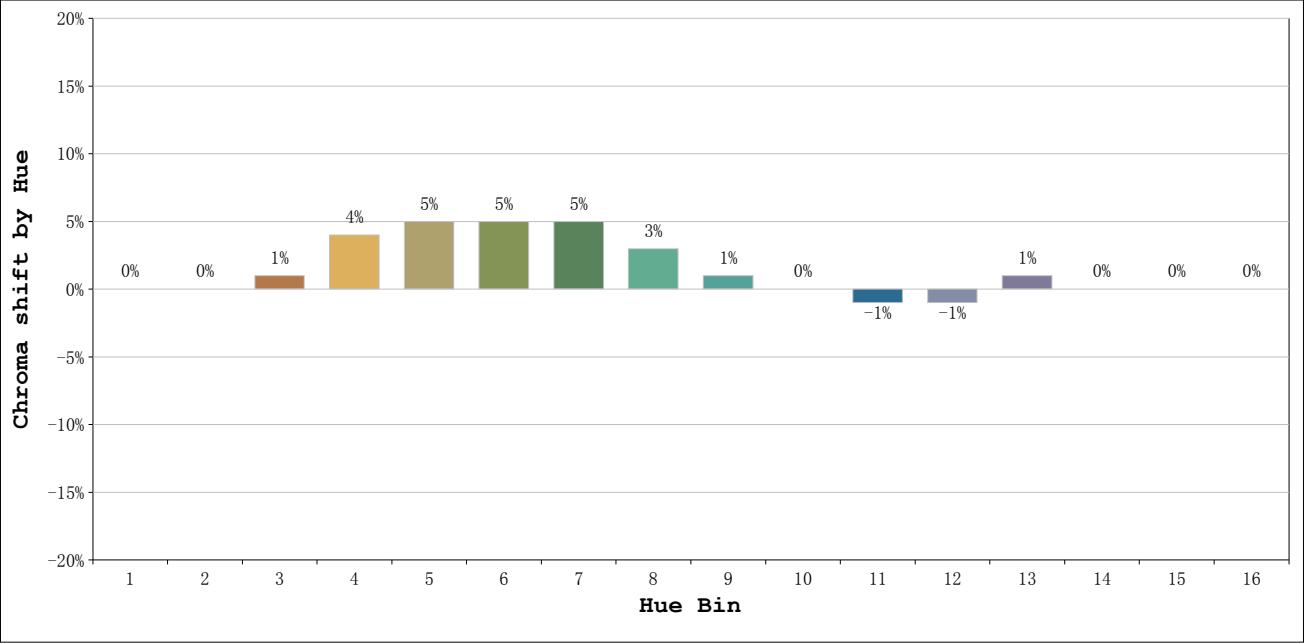
Flux = 1702.5 lm Eff. : 85.59 lm/W $F_e = 6.7311 W$

Electrical parameters

V = 24.00 V I = 0.8291 A P = 19.89 W PF = 1.000 F=0.00 Hz

Rf: 93 CCT: 2974 K u' : 0.2518
Rg: 102 Duv: -0.0007 v' : 0.5209





			Graphic shift(%)	
Hue Bin	Hue Angle	Rf	Chroma	Hue
1	0. 0° - 22. 5°	95	0	0
2	22. 5° - 45. 0°	96	0	0
3	45. 0° - 67. 5°	96	1	1
4	67. 5° - 90. 0°	93	4	3
5	90. 0° - 112. 5°	92	5	3
6	112. 5° - 135. 0°	92	5	1
7	135. 0° - 157. 5°	90	5	-2
8	157. 5° - 180. 0°	91	3	-3
9	180. 0° - 202. 5°	90	1	-4
10	202. 5° - 225. 0°	91	0	-4
11	225. 0° - 247. 5°	93	-1	-3
12	247. 5° - 270. 0°	95	-1	0
13	270. 0° - 292. 5°	94	1	-3
14	292. 5° - 315. 0°	95	0	0
15	315. 0° - 337. 5°	93	0	0
16	337. 5° - 360. 0°	96	0	0