

Spectrum Test Report

Sample :
 Specification : 2835-180D-24V-4000K
 Sample No. : 2
 Manufacturer :
 Assessor : damin
 Remark :

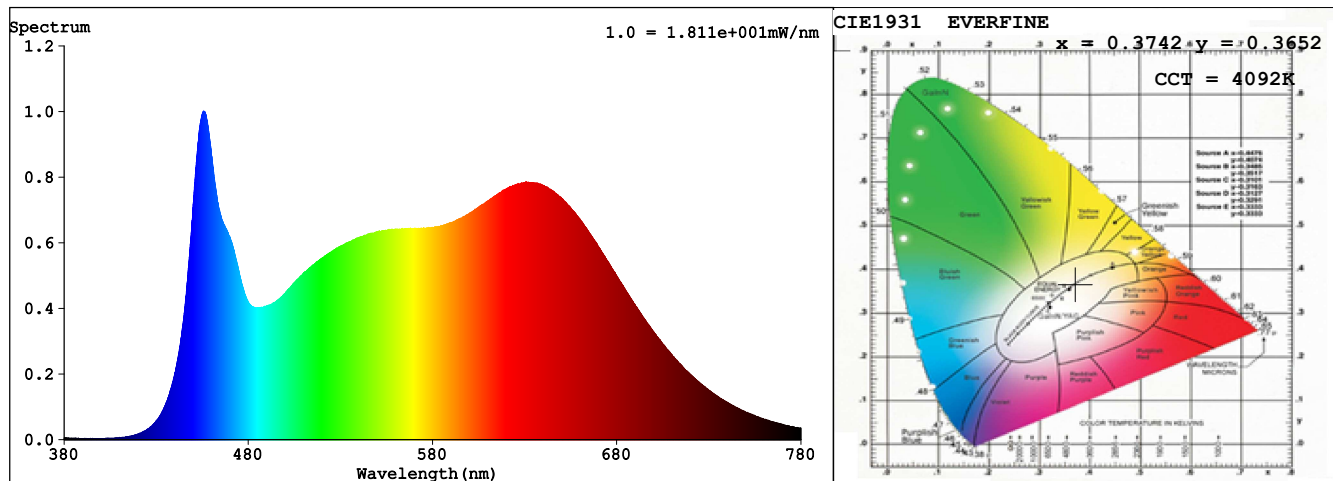
Date : 2020-08-06 21:24:39
 Standardtus :
 Instrument : HaasSuite(EVERFINE)
 Test by : IVAN

Test Condition

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

RH : 65.0%
 IP : 52868 (81%)
 T : 204 ms

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3742$ $y = 0.3652$ / $u' = 0.2256$ $v' = 0.4954$ ($duv = -3.64e-03$)

CCT= 4092K Prcp WL: $L_d = 581.1\text{nm}$ Purity=21.9%

Peak WL: $L_p = 456\text{nm}$ FWHM: $= 28.2\text{nm}$ Ratio: R=20.7% G=74.2% B=5.1%

Render Index: $R_a = 95.9$ AvgR = 94.3 TM30: $R_f = 91$ $R_g = 101$

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

R8 = 95 R9 = 92 R10 = 96 R11 = 98 R12 = 73 R13 = 96 R14 = 99 R15 = 94

LEVEL:OUT WHITE:ANSI_4000K

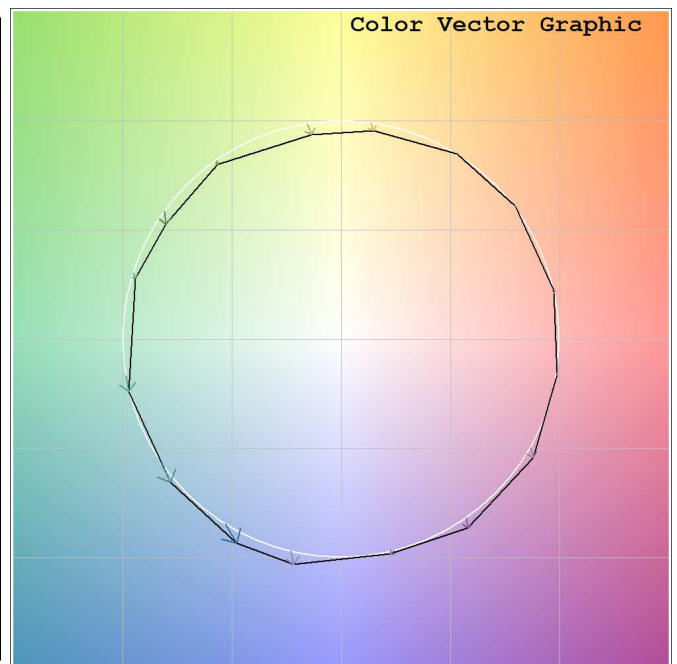
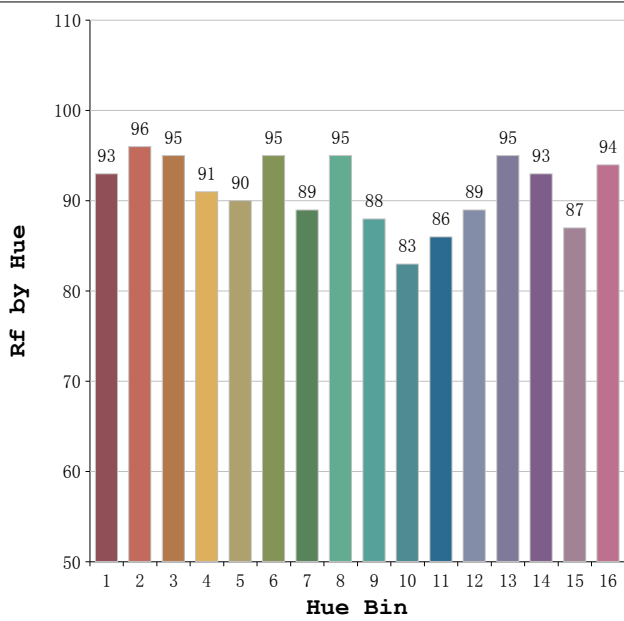
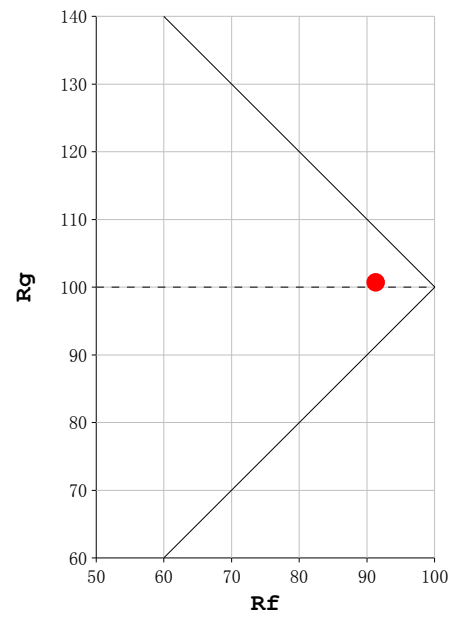
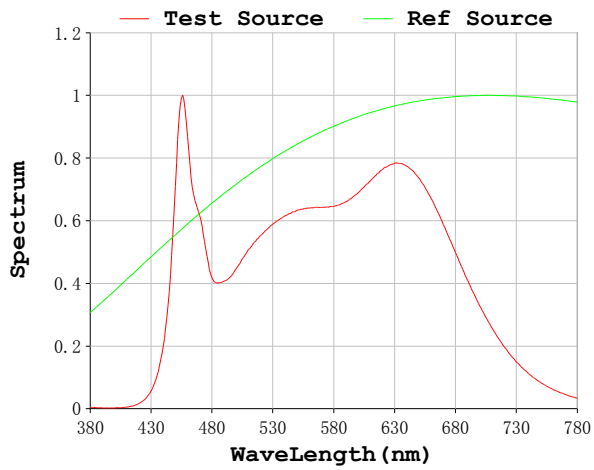
Photometric & Radiometric Parameters

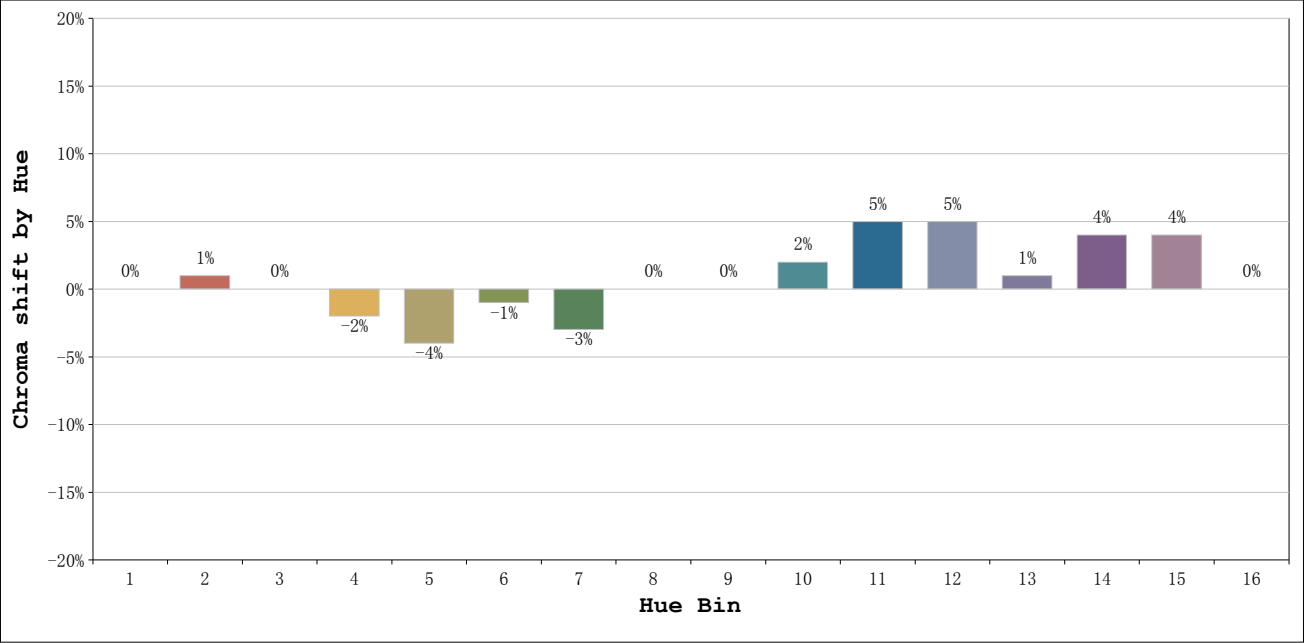
Flux = 828.30 lm Eff. : 86.37 lm/W $F_e = 3.1046\text{ W}$

Electrical parameters

V = 24.00 V I = 0.3996 A P = 9.590 W PF = 1.000 F=0.00 Hz

Rf: 91 CCT: 4092 K u' : 0.2256
Rg: 101 Duv: -0.0036 v' : 0.4954





			Graphic shift(%)	
Hue Bin	Hue Angle	Rf	Chroma	Hue
1	0. 0° - 22. 5°	93	0	1
2	22. 5° - 45. 0°	96	1	0
3	45. 0° - 67. 5°	95	0	0
4	67. 5° - 90. 0°	91	-2	-1
5	90. 0° - 112. 5°	90	-4	0
6	112. 5° - 135. 0°	95	-1	1
7	135. 0° - 157. 5°	89	-3	5
8	157. 5° - 180. 0°	95	0	2
9	180. 0° - 202. 5°	88	0	7
10	202. 5° - 225. 0°	83	2	9
11	225. 0° - 247. 5°	86	5	9
12	247. 5° - 270. 0°	89	5	2
13	270. 0° - 292. 5°	95	1	-1
14	292. 5° - 315. 0°	93	4	-1
15	315. 0° - 337. 5°	87	4	-2
16	337. 5° - 360. 0°	94	0	0