

Spectrum Test Report

Sample :
 Specification : 2835-180D-24V-2700K
 Sample No. : 1
 Manufacturer :
 Assessor : damin
 Remark :

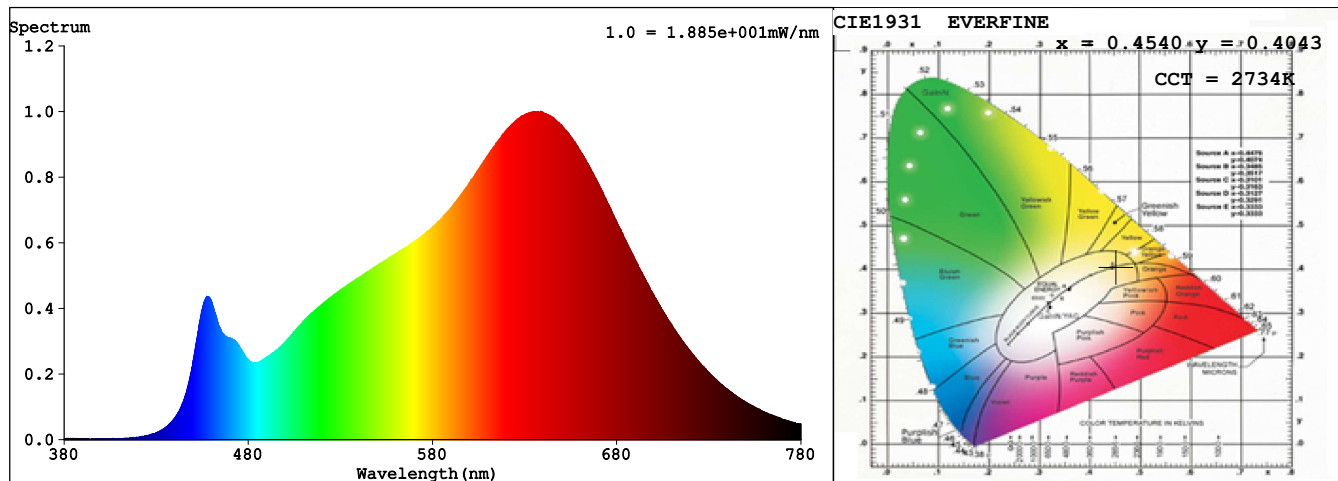
Date : 2020-08-06 21:20:48
 Standardtus :
 Instrument : HaasSuite(EVERFINE)
 Test by : IVAN

Test Condition

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

RH : 65.0%
 IP : 52368 (80%)
 T : 153 ms

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4540$ $y = 0.4043$ / $u' = 0.2615$ $v' = 0.5240$ ($duv = -1.85e-03$)

CCT= 2734K Prcp WL: $L_d = 584.7\text{nm}$ Purity=57.6%

Peak WL: $L_p = 636\text{nm}$ FWHM: $= 152.9\text{nm}$ Ratio: R=27.1% G=69.9% B=3.0%

Render Index: $R_a = 97.0$ AvgR = 96.1 TM30: $R_f = 93$ $R_g = 101$

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

R8 = 95 R9 = 93 R10 = 97 R11 = 98 R12 = 84 R13 = 97 R14 = 99 R15 = 98

LEVEL:OUT WHITE:ANSI_2700K

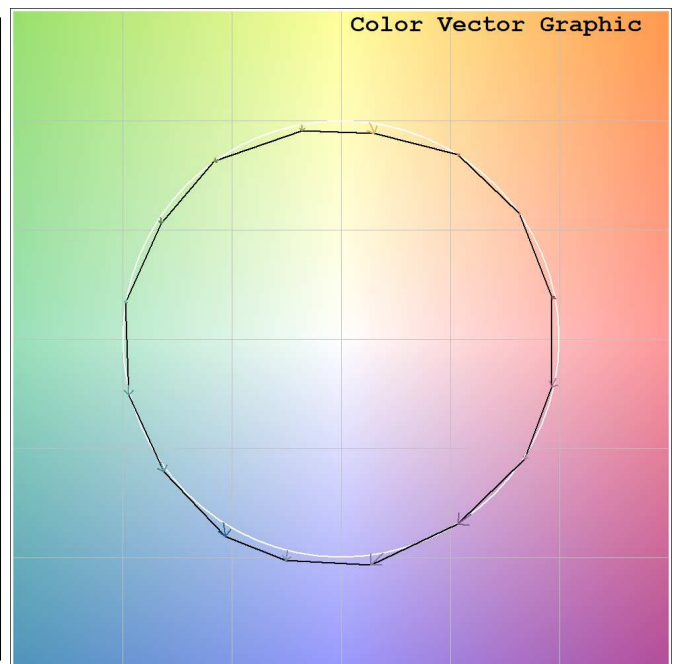
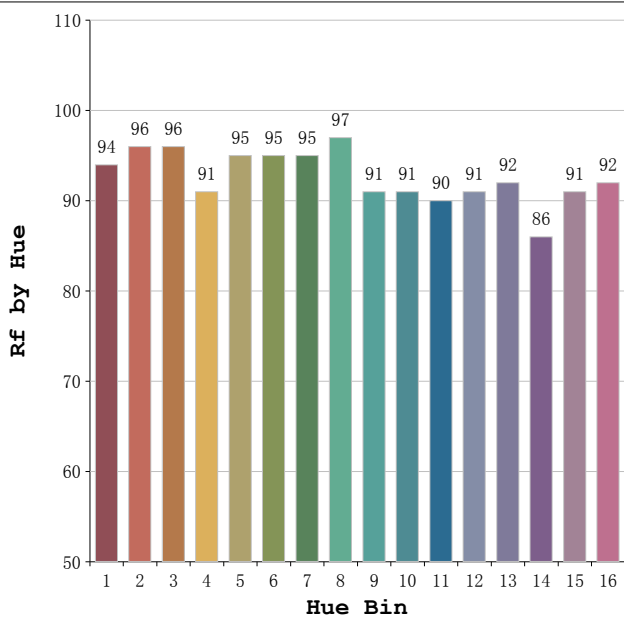
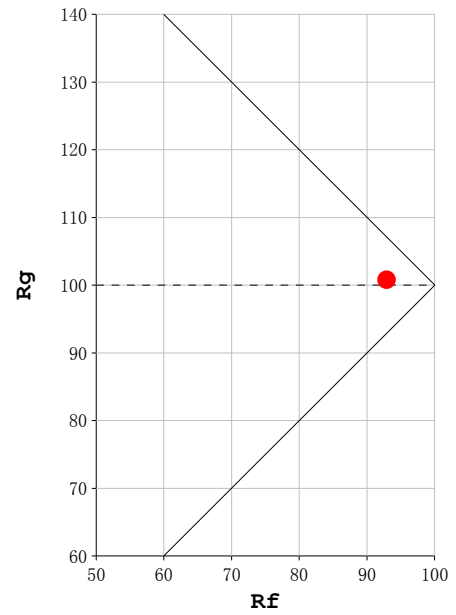
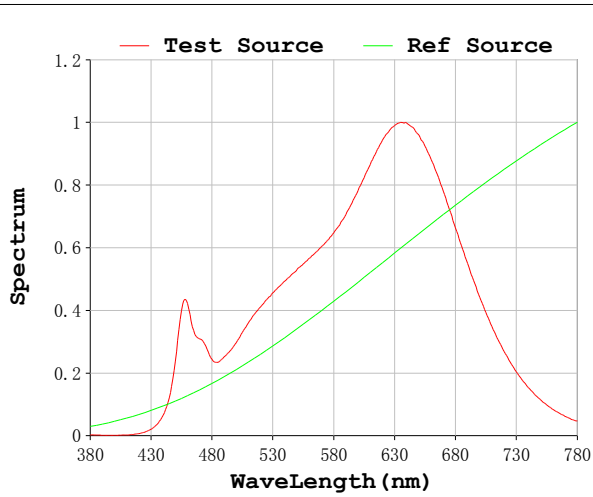
Photometric & Radiometric Parameters

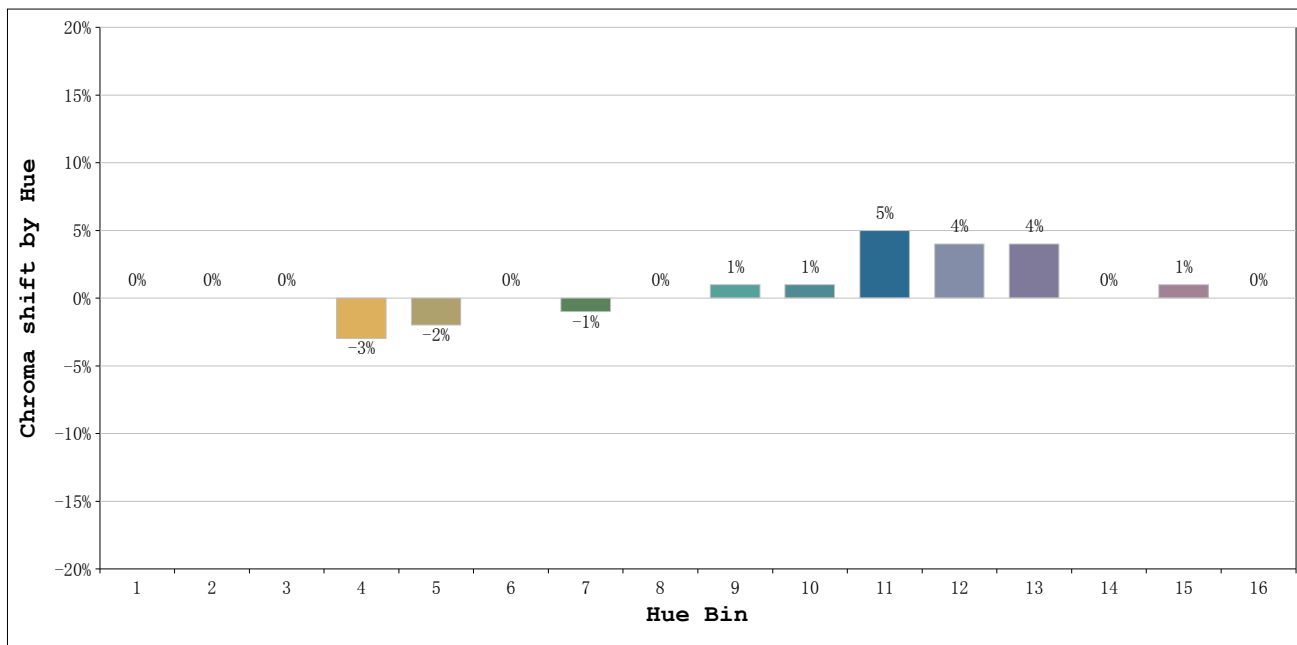
Flux = 807.21 lm Eff. : 81.56 lm/W $F_e = 3.1566\text{ W}$

Electrical parameters

V = 24.00 V I = 0.4124 A P = 9.897 W PF = 1.000 F=0.00 Hz

Rf: 93 CCT: 2734 K u' : 0.2615
Rg: 101 Duv: -0.0018 v' : 0.5240





			Graphic shift(%)	
Hue Bin	Hue Angle	Rf	Chroma	Hue
1	0.0° - 22.5°	94	0	1
2	22.5° - 45.0°	96	0	1
3	45.0° - 67.5°	96	0	1
4	67.5° - 90.0°	91	-3	-2
5	90.0° - 112.5°	95	-2	0
6	112.5° - 135.0°	95	0	2
7	135.0° - 157.5°	95	-1	2
8	157.5° - 180.0°	97	0	2
9	180.0° - 202.5°	91	1	4
10	202.5° - 225.0°	91	1	5
11	225.0° - 247.5°	90	5	4
12	247.5° - 270.0°	91	4	0
13	270.0° - 292.5°	92	4	-5
14	292.5° - 315.0°	86	0	-6
15	315.0° - 337.5°	91	1	-1
16	337.5° - 360.0°	92	0	-3