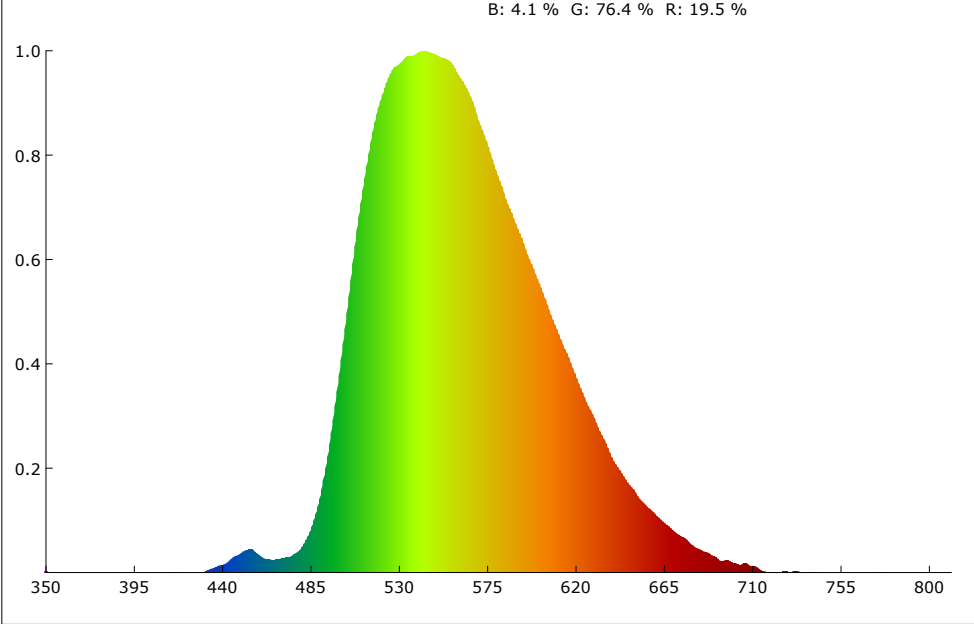
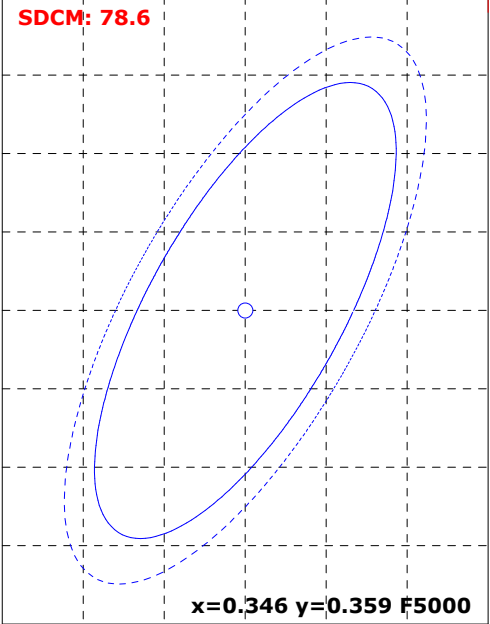


Spectrogram



SDCM



Color Parameter:

x: 0.3901 y: 0.5632 u: 0.1738 v: 0.3764 u': 0.1738 v': 0.5646
R_ratio: 19.5 % G_ratio: 76.4 % B_ratio: 4.1 % RedRatio: 8.7 % GreenRatio: 91.0 % BlueRatio: 0.3 %

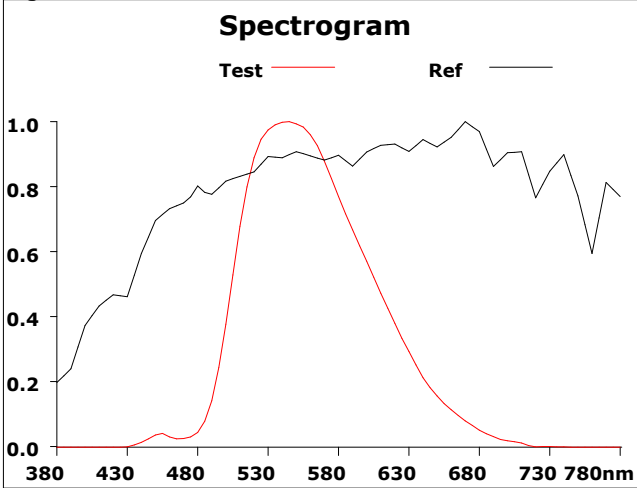
Ra: 36.3 AvgR: 21.6
R1: 34.2 R2: 48.3 R3: 50.4 R4: 9.8 R5: 35.0 R6: 46.1 R7: 50.4 R8: 16.2
R9: -99.0 R10: -1.3 R11: -8.8 R12: 15.5 R13: 35.2 R14: 76.2 R15: 16.5

CCT: 4601 K Flux: 199.363 lm PeakWave: 542.4 nm SDCM: 78.6
S/P: 1.5 CentralWave: 555.3 nm DominantWave: 563.6 nm CentroidWave: 562.3 nm
HalfWidth: 103.1 nm duv: 0.06470 purity: 86.5 % CQS: 30.3
LER(TM-30): 487.0 Ep: 409.3 mw Rg: 45.4 Rf: 38.8
Red Ep: 79.5 mw Near red Ep: 1.0 mw Near infrared Ep: 0.0 mw

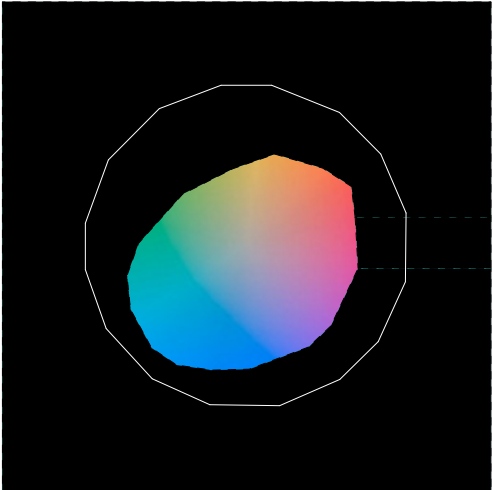
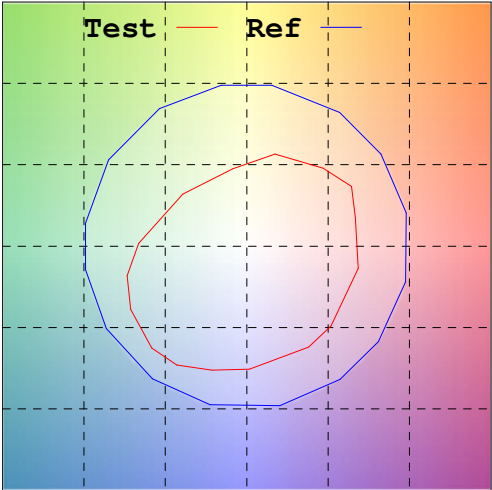
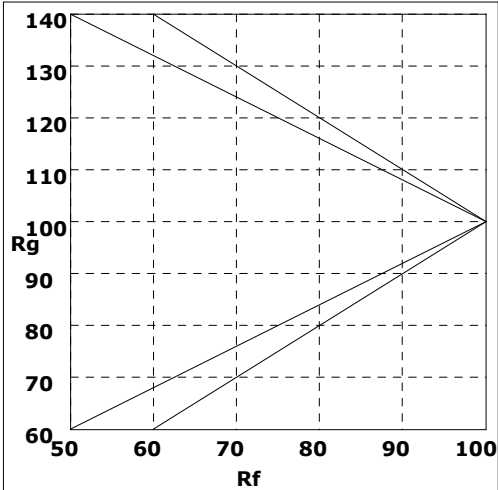
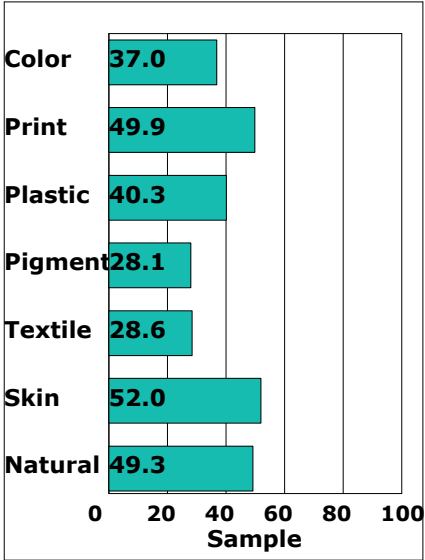
Electrical parameters:

Effic: 9.3 Lm/W Energy: 10.2 Effi: G
U: 220.4 V I: 0.177 A P: 21.380 W Pf: 0.548

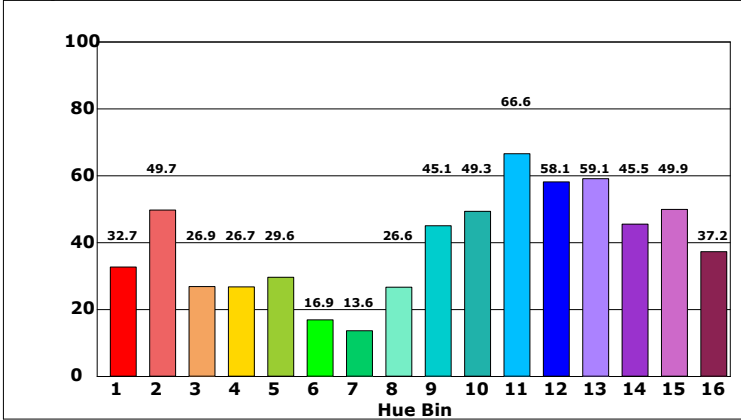
Rf: 38.8 CCT: 4601K u': 0.1738
Rg: 45.4 LER: 487.0 Duv: 0.06470 v': 0.5646



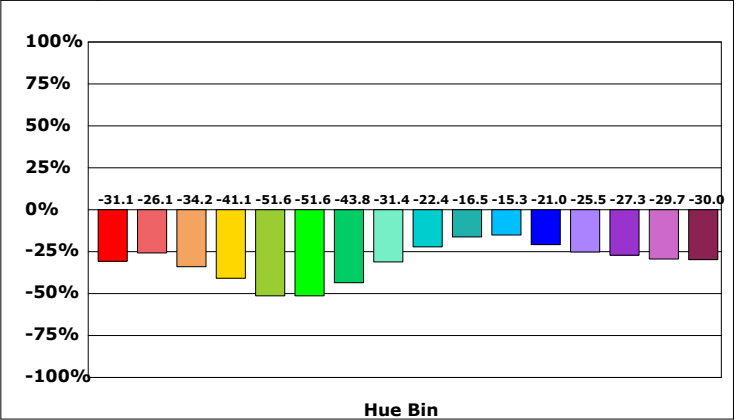
500			
Hue Bin	Rf	Chroma	Hue
1	32.7	-31.1%	3.4%
2	49.7	-26.1%	-6.5%
3	26.9	-34.2%	-10.4%
4	26.7	-41.1%	-10.2%
5	29.6	-51.6%	3.0%
6	16.9	-51.6%	17.2%
7	13.6	-43.8%	32.4%
8	26.6	-31.4%	26.7%
9	45.1	-22.4%	29.4%
10	49.3	-16.5%	25.5%
11	66.6	-15.3%	7.7%
12	58.1	-21.0%	-3.0%
13	59.1	-25.5%	-14.1%
14	45.5	-27.3%	-5.1%
15	49.9	-29.7%	-8.2%
16	37.2	-30.0%	2.4%



Rf by Bue



Chroma by Bue



Product model:
Product number:
Tester:
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,
Test unit:
Date of observation: 03/31/13

