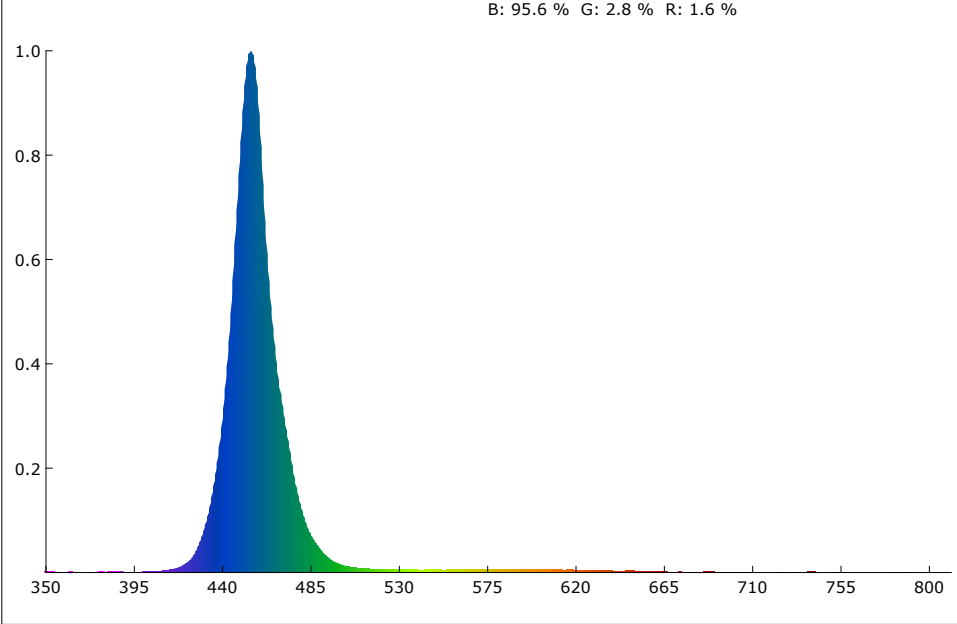
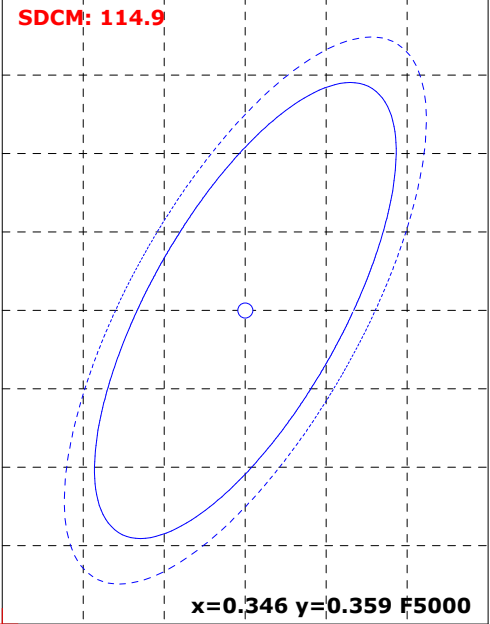


Spectrogram



SDCM



Color Parameter:

x: 0.1547 y: 0.0437 u: 0.1925 v: 0.0816 u': 0.1925 v': 0.1224
R_ratio: 1.6 % G_ratio: 2.8 % B_ratio: 95.6 % RedRatio: 4.9 % GreenRatio: 29.6 % BlueRatio: 65.4 %

Ra: -37.1 AvgR: -36.7
R1: 53.9 R2: -34.4 R3: -99.0 R4: -81.8 R5: 54.3 R6: -30.4 R7: -56.6 R8: -35.4
R9: -80.4 R10: -99.0 R11: -96.9 R12: -82.4 R13: 22.8 R14: -35.8 R15: 50.2

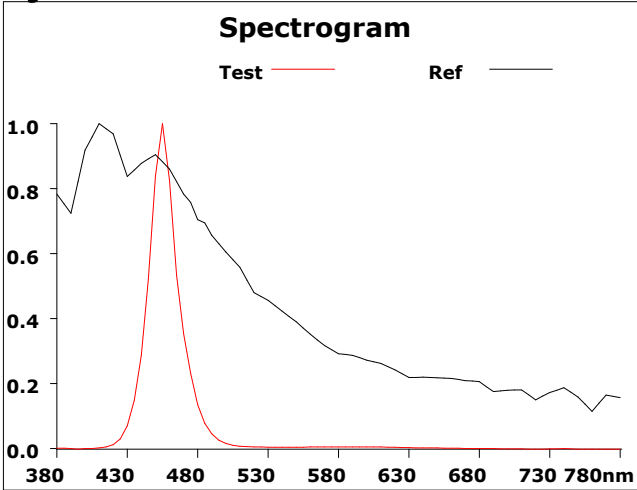
CCT: 99999 K Flux: 590.776 lm PeakWave: 454.5 nm SDCM: 114.9
S/P: 15.7 CentralWave: 455.1 nm DominantWave: 459.2 nm CentroidWave: 462.4 nm
HalfWidth: 20.2 nm duv: 0.15744 purity: 95.0 % CQS: 0.4
LER(TM-30): 55.8 Ep: 10590.6 mw Rg: 166.5 Rf: 27.5
Red Ep: 167.9 mw Near red Ep: 23.9 mw Near infrared Ep: 4.9 mw

Electrical parameters:

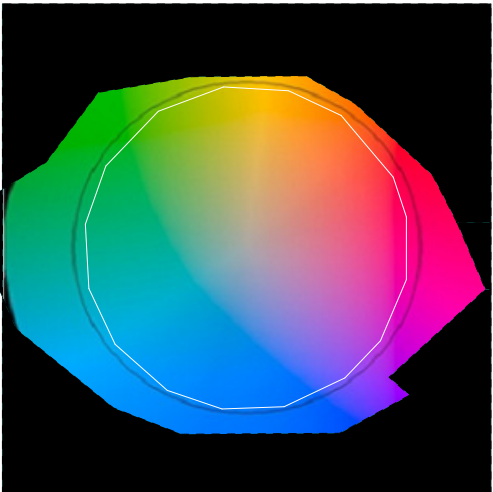
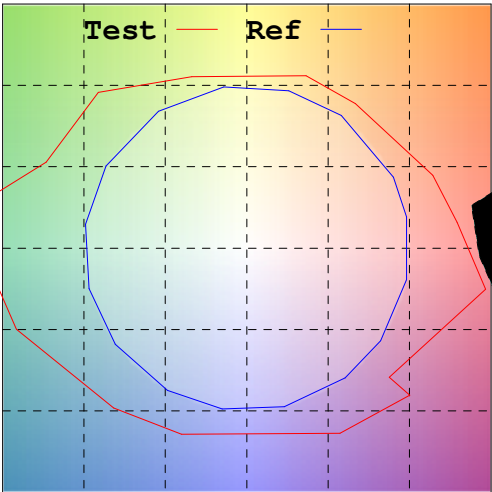
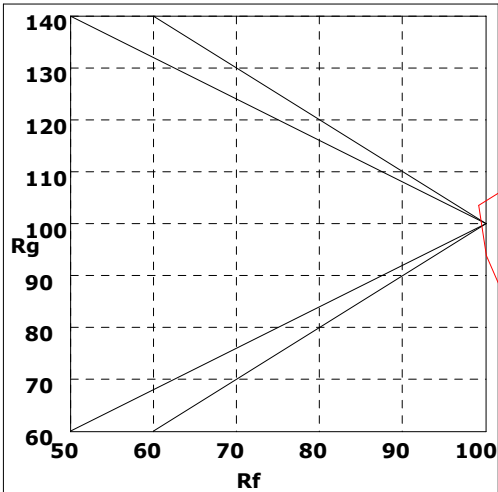
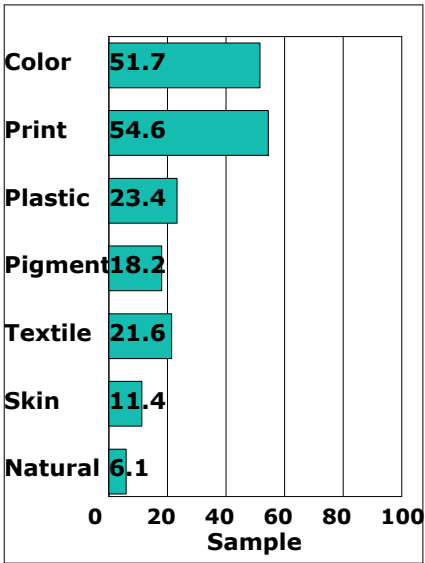
Effic: 10.1 lm/W Energy: 11.0 Effi: G
U: 220.4 V I: 0.431 A P: 58.440 W Pf: 0.614

Product model: Manufacturer: Guangzhou Hotion Technology Co.,
Product number: Test unit:
Tester: Date of observation: 07/16/14
Remarks:

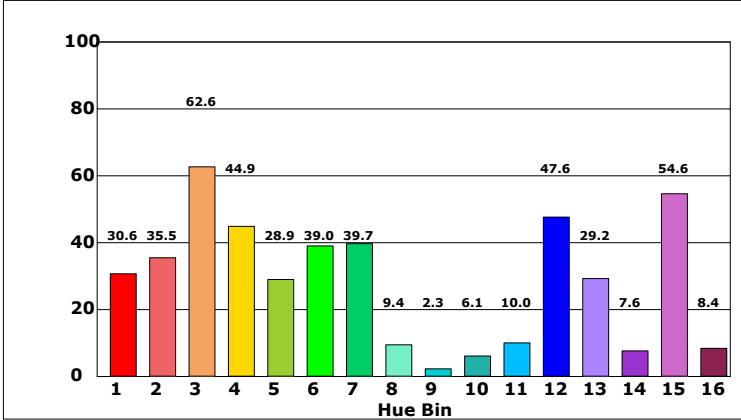
Rf: 27.5 CCT: 99999K u': 0.1925
Rg: 166.5 LER: 55.8 Duv: 0.15744 v': 0.1224



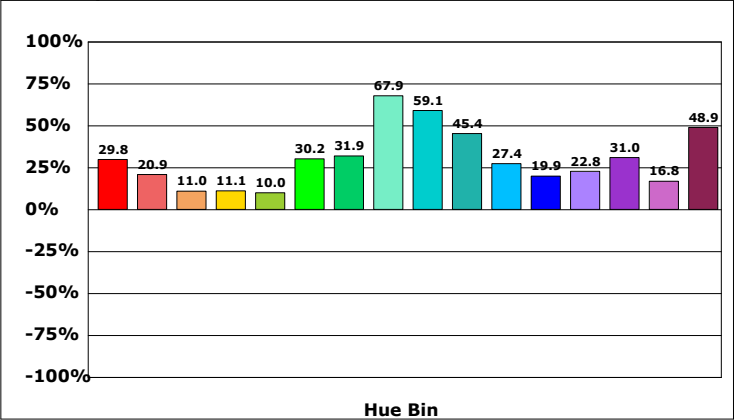
500			
Hue Bin	Rf	Chroma	Hue
1	30.6	29.8%	-9.4%
2	35.5	20.9%	-12.4%
3	62.6	11.0%	-3.2%
4	44.9	11.1%	-8.6%
5	28.9	10.0%	18.1%
6	39.0	30.2%	24.3%
7	39.7	31.9%	18.5%
8	9.4	67.9%	1.7%
9	2.3	59.1%	-32.4%
10	6.1	45.4%	-41.4%
11	10.0	27.4%	-21.5%
12	47.6	19.9%	-21.4%
13	29.2	22.8%	30.3%
14	7.6	31.0%	27.1%
15	54.6	16.8%	-15.6%
16	8.4	48.9%	3.7%



Rf by Bue



Chroma by Bue



Product model:
Product number:
Tester:
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,
Test unit:
Date of observation: 07/16/14

