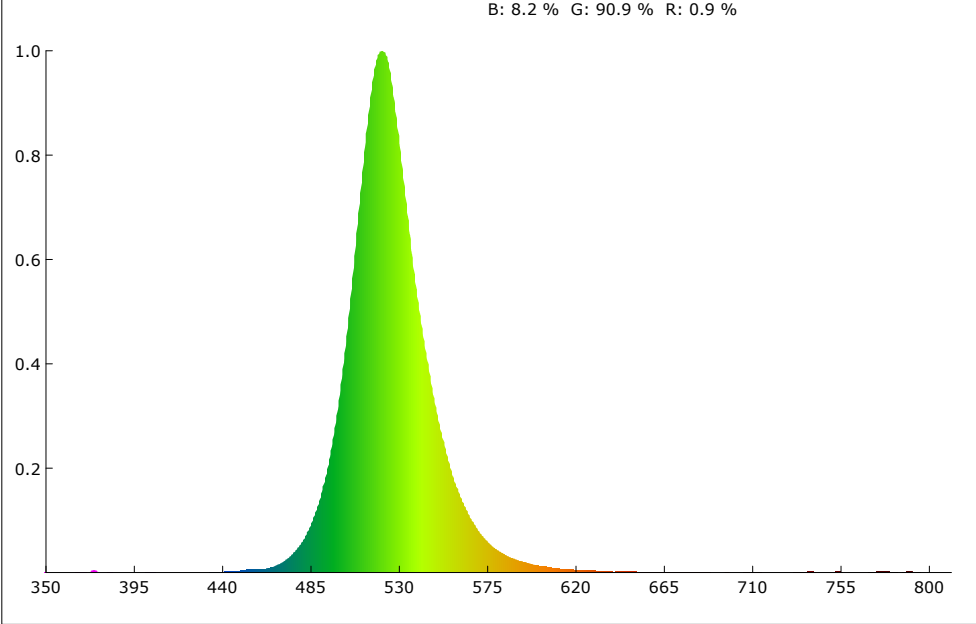
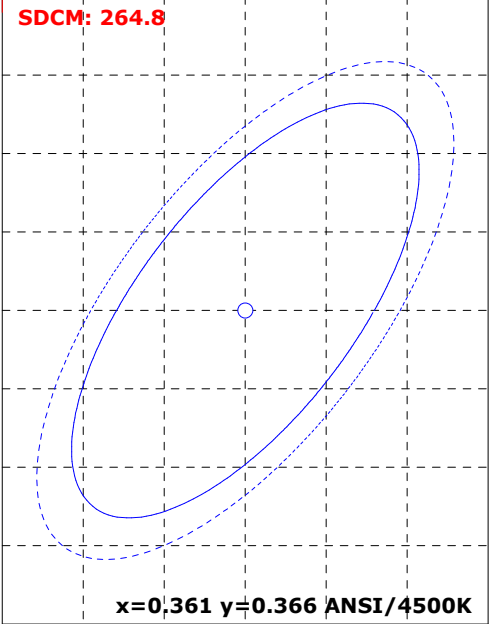


Spectrogram



SDCM



Color Parameter:

x: 0.1798 y: 0.7080 u: 0.0646 v: 0.3815 u': 0.0646 v': 0.5723
R_ratio: 0.9 % G_ratio: 90.9 % B_ratio: 8.2 % RedRatio: 0.4 % GreenRatio: 98.8 % BlueRatio: 0.7 %

Ra: -16.7 AvgR: -30.1
R1: -31.8 R2: -1.8 R3: -8.7 R4: -58.6 R5: -8.2 R6: -5.8 R7: 6.6 R8: -25.5
R9: -99.0 R10: -89.7 R11: -85.8 R12: -20.4 R13: -36.5 R14: 45.4 R15: -31.4

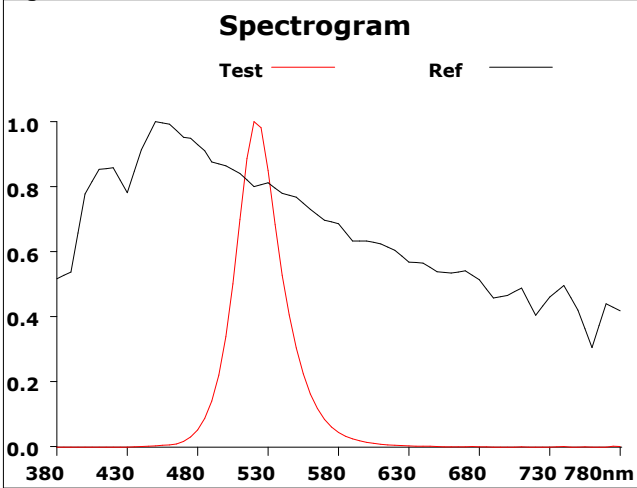
CCT: 7764 K Flux: 328.718 lm PeakWave: 521.6 nm SDCM: 264.8
S/P: 2.7 CentralWave: 522.8 nm DominantWave: 527.6 nm CentroidWave: 526.6 nm
HalfWidth: 35.4 nm duv: 0.15267 purity: 77.5 % CQS: 0.7
LER(TM-30): 484.6 Ep: 678.3 mw Rg: 12.1 Rf: 1.9
Red Ep: 6.3 mw Near red Ep: 1.3 mw Near infrared Ep: 0.5 mw

Electrical parameters:

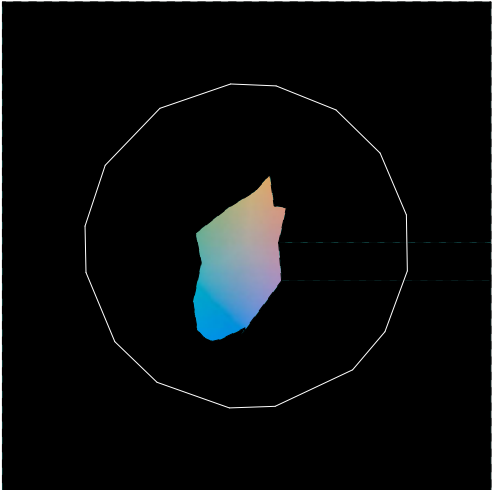
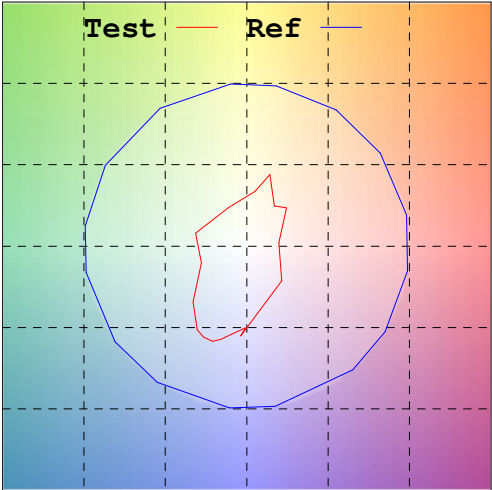
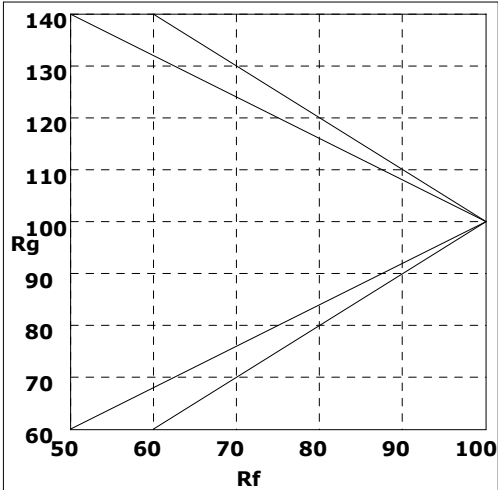
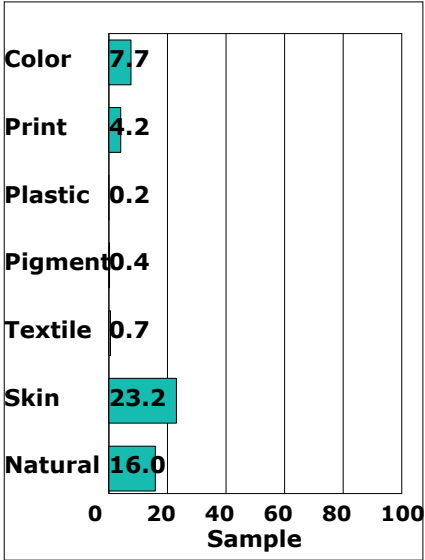
Effic: 15.5 Lm/W Energy: 16.9 Effi: G
U: 221.0 V I: 0.175 A P: 21.240 W Pf: 0.547

Product model: Manufacturer: Guangzhou Hotion Technology Co.,
Product number: Test unit:
Tester: Date of observation: 03/31/13
Remarks:

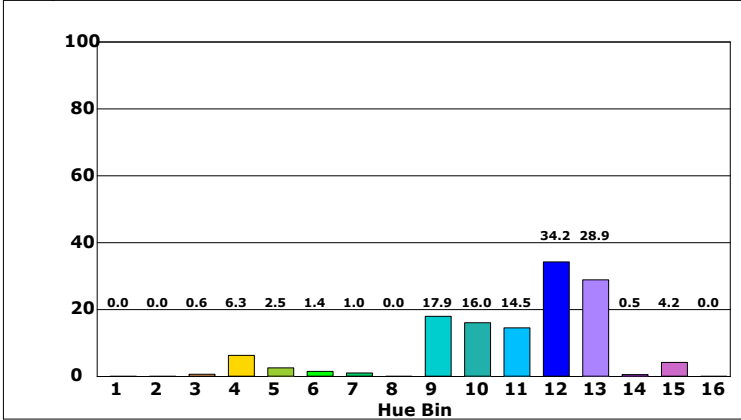
Rf: 1.9 CCT: 7764K u': 0.0646
Rg: 12.1 LER: 484.6 Duv: 0.15267 v': 0.5723



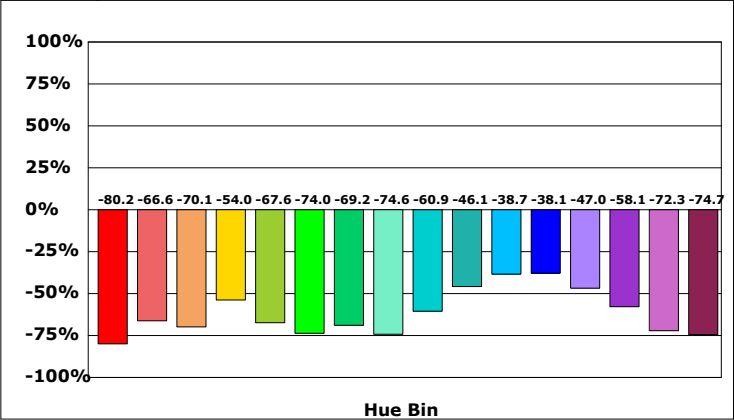
500			
Hue Bin	Rf	Chroma	Hue
1	0.0	-80.2%	-1.5%
2	0.0	-66.6%	4.0%
3	0.6	-70.1%	-1.2%
4	6.3	-54.0%	-6.6%
5	2.5	-67.6%	-1.7%
6	1.4	-74.0%	-1.1%
7	1.0	-69.2%	3.9%
8	0.0	-74.6%	8.3%
9	17.9	-60.9%	30.5%
10	16.0	-46.1%	22.0%
11	14.5	-38.7%	8.3%
12	34.2	-38.1%	-18.3%
13	28.9	-47.0%	-25.0%
14	0.5	-58.1%	-40.6%
15	4.2	-72.3%	-51.2%
16	0.0	-74.7%	-21.0%



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

