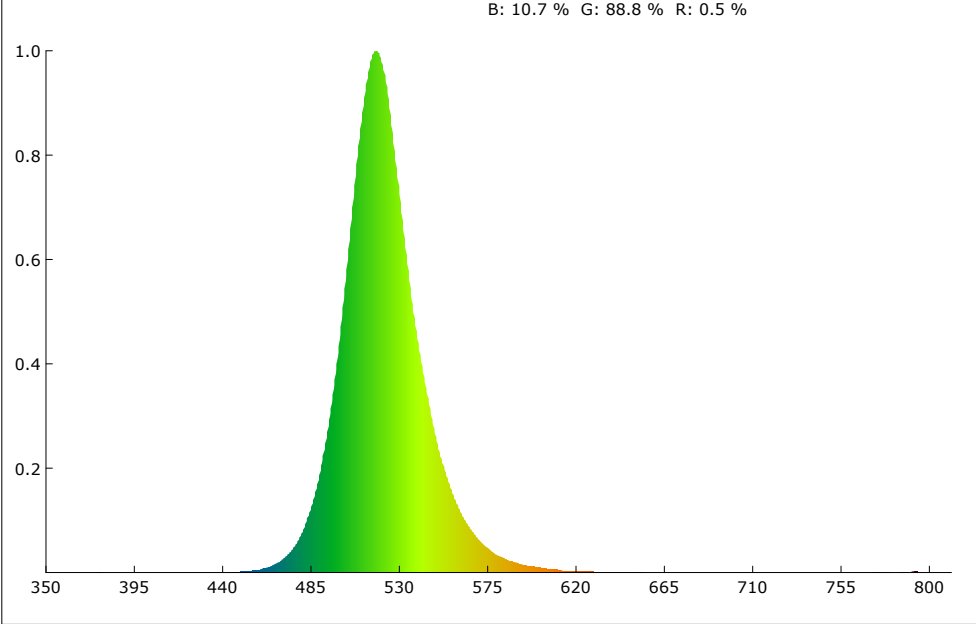
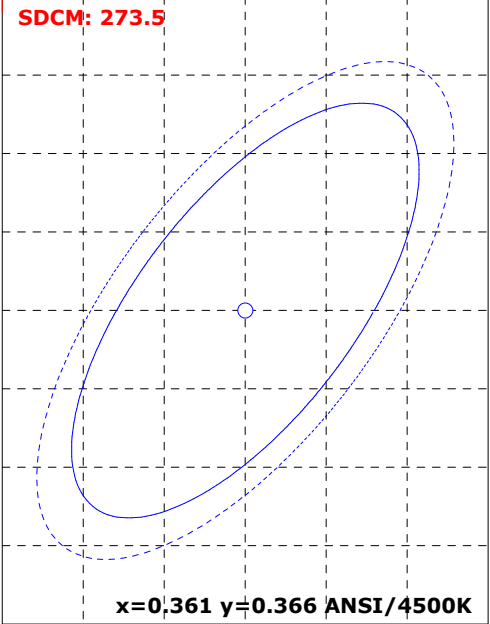


Spectrogram



SDCM



Color Parameter:

x: 0.1601 y: 0.7035 u: 0.0576 v: 0.3795 u': 0.0576 v': 0.5692
R_ratio: 0.5 % G_ratio: 88.8 % B_ratio: 10.7 % RedRatio: 0.3 % GreenRatio: 98.7 % BlueRatio: 1.0 %

Ra: -19.1 AvgR: -31.9
R1: -33.0 R2: -2.7 R3: -12.1 R4: -60.5 R5: -8.4 R6: -9.3 R7: 1.0 R8: -27.8
R9: -99.0 R10: -92.4 R11: -86.9 R12: -21.8 R13: -38.0 R14: 43.9 R15: -31.2

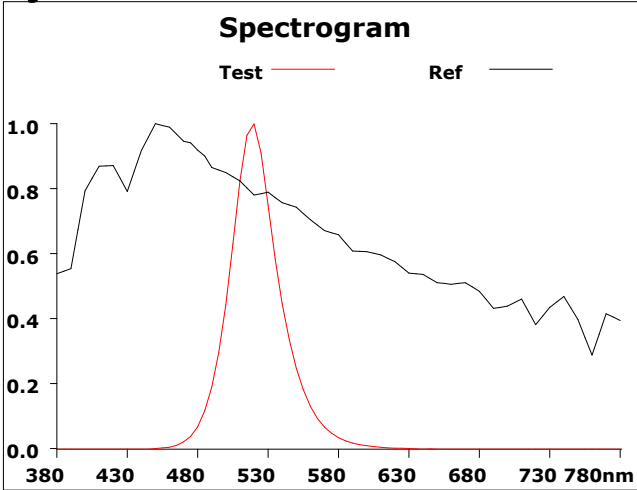
CCT: 8131 K Flux: 1434.054 lm PeakWave: 518.7 nm SDCM: 273.5
S/P: 3.0 CentralWave: 519.6 nm DominantWave: 523.3 nm CentroidWave: 522.8 nm
HalfWidth: 35.8 nm duv: 0.15769 purity: 74.4 % CQS: 0.4
LER(TM-30): 460.9 Ep: 3111.3 mw Rg: 10.2 Rf: 1.3
Red Ep: 14.7 mw Near red Ep: 0.9 mw Near infrared Ep: 1.4 mw

Electrical parameters:

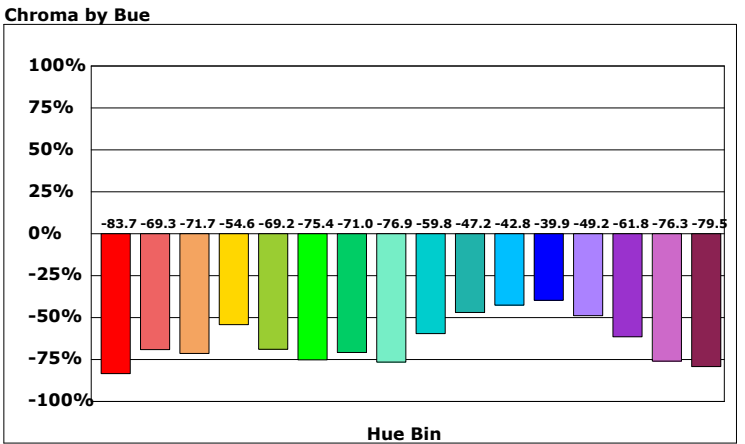
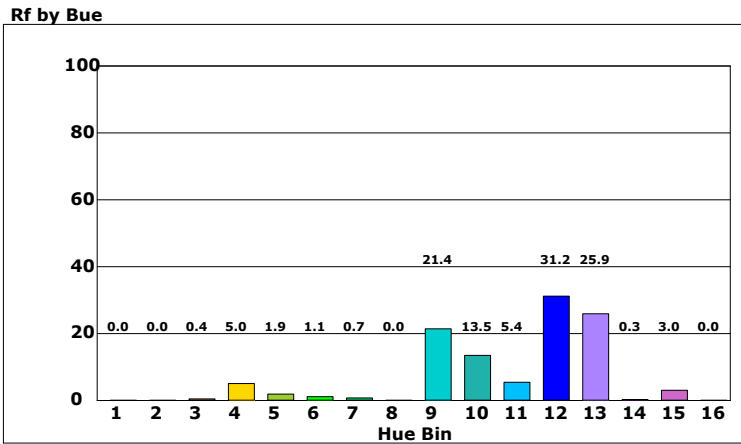
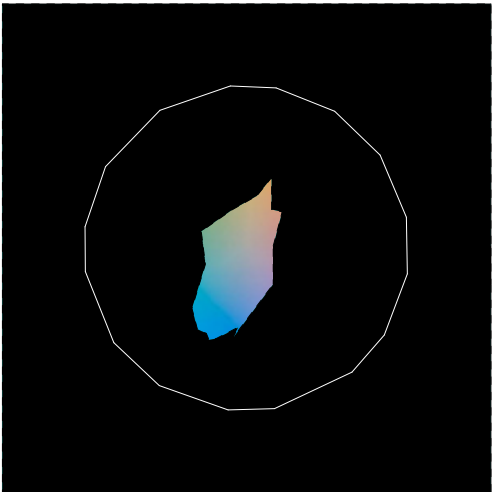
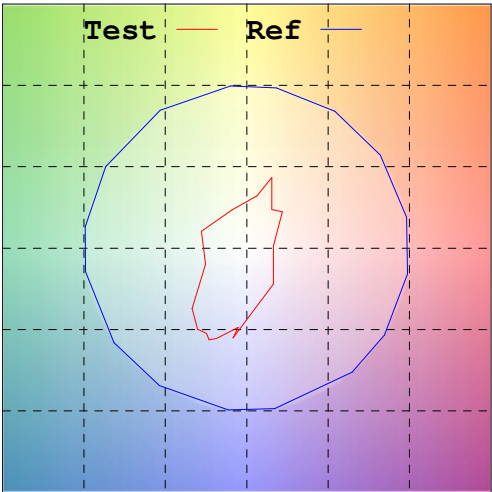
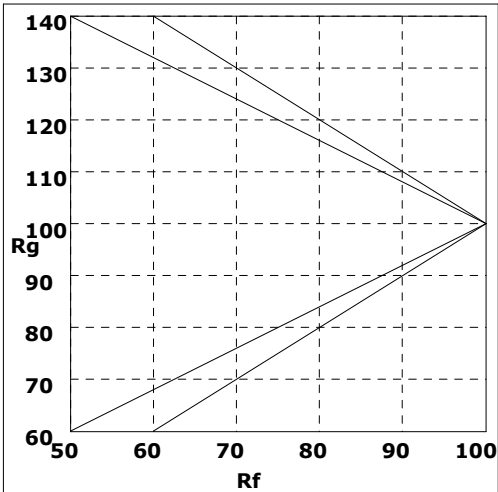
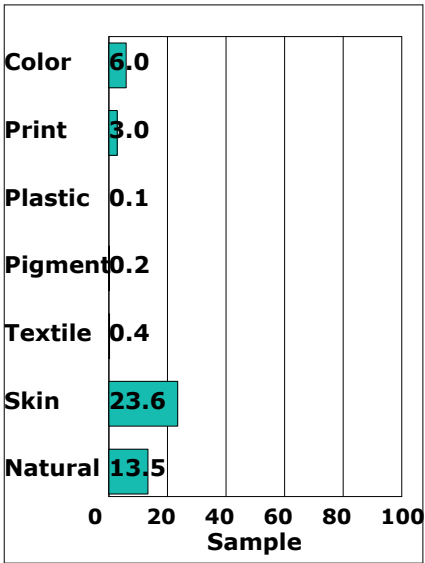
Effic: 16.3 lm/W Energy: 17.7 Effi: G
U: 220.1 V I: 0.636 A P: 88.240 W Pf: 0.630

Product model: Manufacturer: Guangzhou Hotion Technology Co.,
Product number: Test unit:
Tester: Date of observation: 02/03/13
Remarks:

Rf: 1.3 CCT: 8131K u': 0.0576
Rg: 10.2 LER: 460.9 Duv: 0.15769 v': 0.5692



500			
Hue Bin	Rf	Chroma	Hue
1	0.0	-83.7%	-1.4%
2	0.0	-69.3%	4.6%
3	0.4	-71.7%	-1.4%
4	5.0	-54.6%	-8.0%
5	1.9	-69.2%	-2.9%
6	1.1	-75.4%	-2.8%
7	0.7	-71.0%	0.5%
8	0.0	-76.9%	8.0%
9	21.4	-59.8%	34.8%
10	13.5	-47.2%	21.7%
11	5.4	-42.8%	6.1%
12	31.2	-39.9%	-20.0%
13	25.9	-49.2%	-26.8%
14	0.3	-61.8%	-42.7%
15	3.0	-76.3%	-53.1%
16	0.0	-79.5%	-22.3%



Product model:
Product number:
Tester:
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,
Test unit:
Date of observation: 02/03/13

