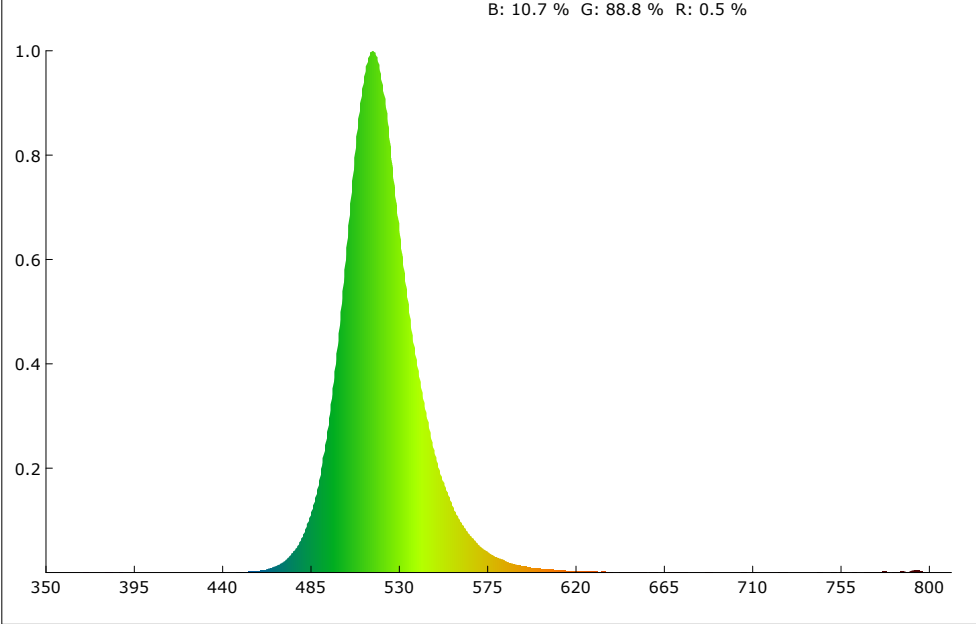
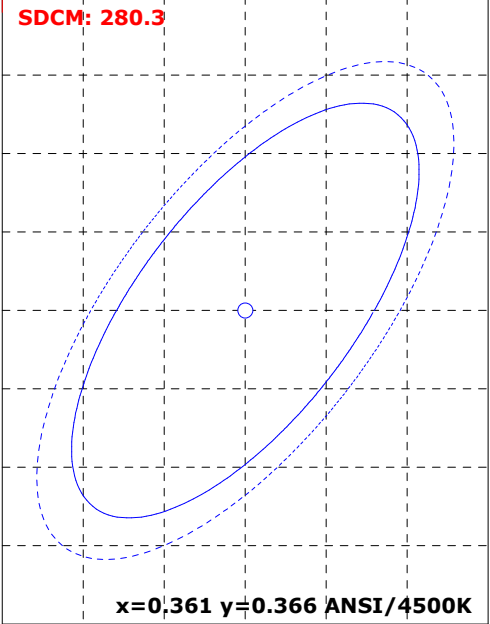


Spectrogram



SDCM



Color Parameter:

x: 0.1509 y: 0.7070 u: 0.0540 v: 0.3794 u': 0.0540 v': 0.5691
R_ratio: 0.5 % G_ratio: 88.8 % B_ratio: 10.7 % RedRatio: 0.3 % GreenRatio: 98.8 % BlueRatio: 1.0 %

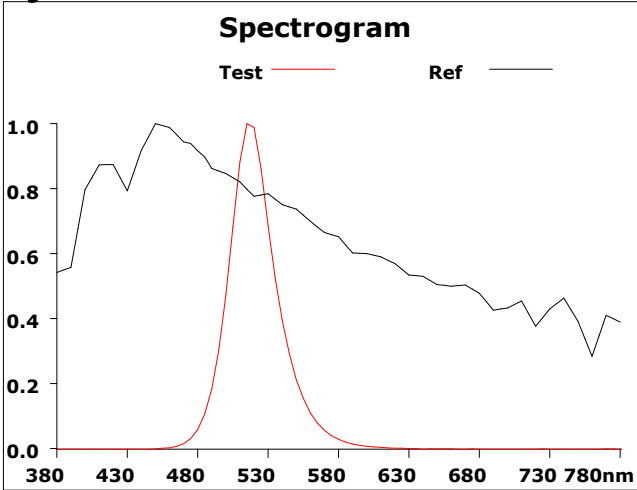
Ra: -21.8 AvgR: -34.7
R1: -33.7 R2: -6.1 R3: -19.5 R4: -63.9 R5: -8.8 R6: -11.9 R7: -2.0 R8: -28.6
R9: -99.0 R10: -99.0 R11: -90.5 R12: -25.5 R13: -39.9 R14: 40.1 R15: -31.5

CCT: 8217 K Flux: 1036.821 lm PeakWave: 516.5 nm SDCM: 280.3
S/P: 3.1 CentralWave: 518.3 nm DominantWave: 521.9 nm CentroidWave: 522.2 nm
HalfWidth: 34.4 nm duv: 0.16076 purity: 74.7 % CQS: 0.3
LER(TM-30): 450.6 Ep: 2301.1 mw Rg: 9.1 Rf: 1.0
Red Ep: 12.3 mw Near red Ep: 2.8 mw Near infrared Ep: 2.8 mw

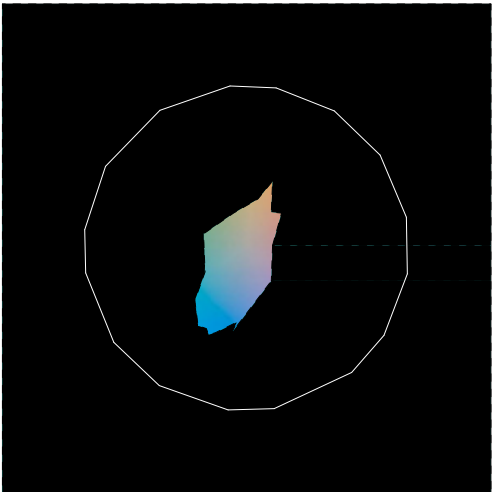
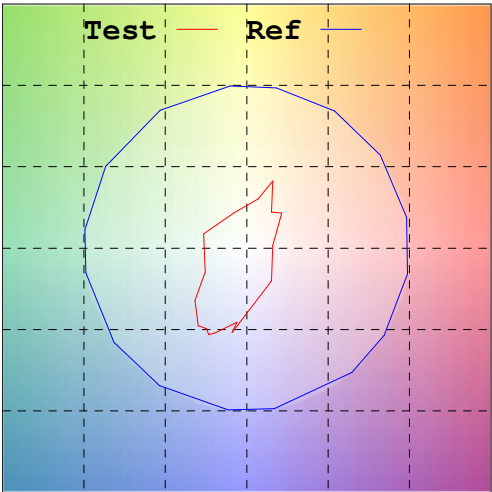
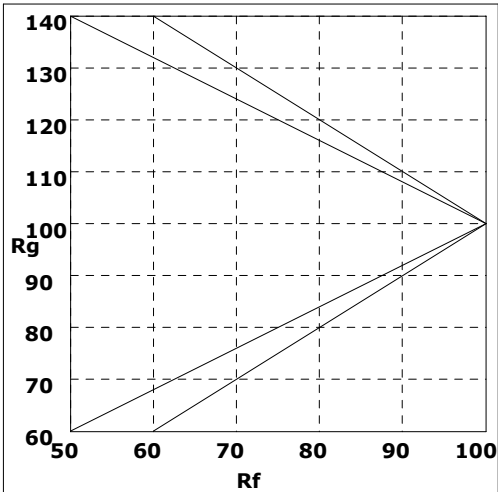
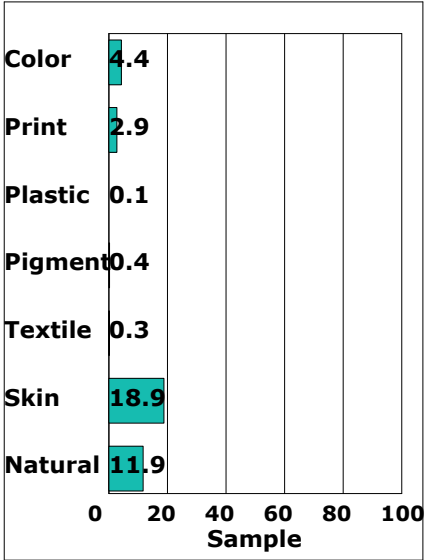
Electrical parameters:

Effic: 12.4 Lm/W Energy: 13.5 Effi: G
U: 221.7 V I: 0.599 A P: 83.890 W Pf: 0.631

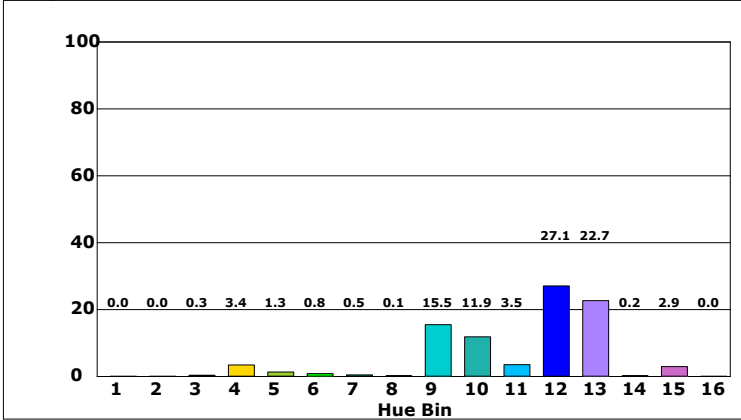
Rf: 1.0 CCT: 8217K u': 0.0540
Rg: 9.1 LER: 450.6 Duv: 0.16076 v': 0.5691



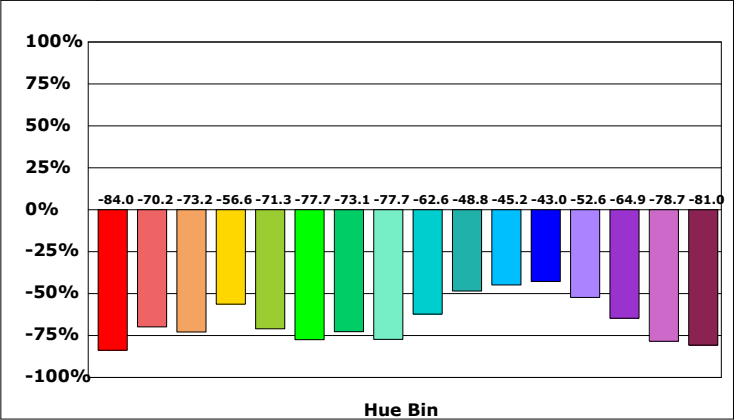
500			
Hue Bin	Rf	Chroma	Hue
1	0.0	-84.0%	-0.8%
2	0.0	-70.2%	4.1%
3	0.3	-73.2%	-2.5%
4	3.4	-56.6%	-9.0%
5	1.3	-71.3%	-3.2%
6	0.8	-77.7%	-2.4%
7	0.5	-73.1%	1.1%
8	0.1	-77.7%	11.1%
9	15.5	-62.6%	29.8%
10	11.9	-48.8%	20.3%
11	3.5	-45.2%	4.5%
12	27.1	-43.0%	-20.8%
13	22.7	-52.6%	-26.5%
14	0.2	-64.9%	-41.6%
15	2.9	-78.7%	-50.5%
16	0.0	-81.0%	-20.6%



Rf by Bue



Chroma by Bue



Product model: P19
Product number:
Tester:
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,
Test unit:
Date of observation: 08/10/12

