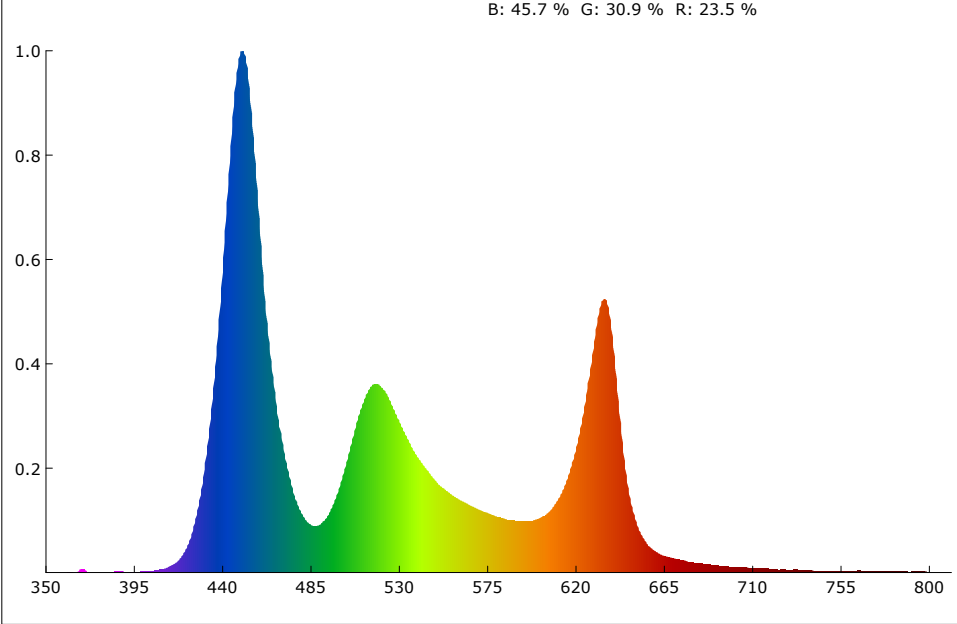
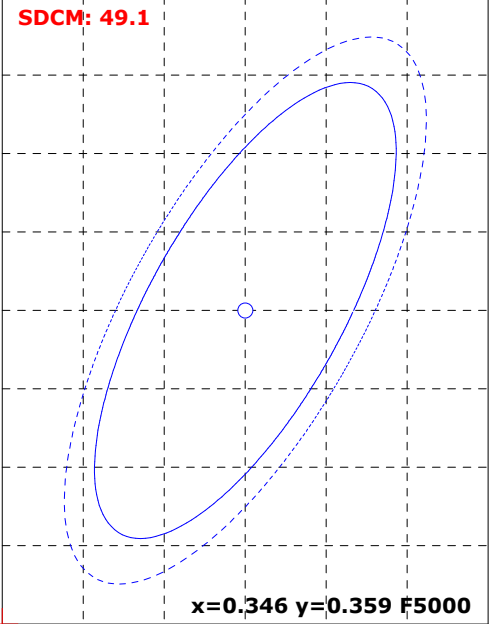


Spectrogram



SDCM



Color Parameter:

x: 0.2600 y: 0.2307 u: 0.1982 v: 0.2637 u': 0.1982 v': 0.3956
R_ratio: 23.5 % G_ratio: 30.9 % B_ratio: 45.7 % RedRatio: 18.4 % GreenRatio: 74.9 % BlueRatio: 6.7 %

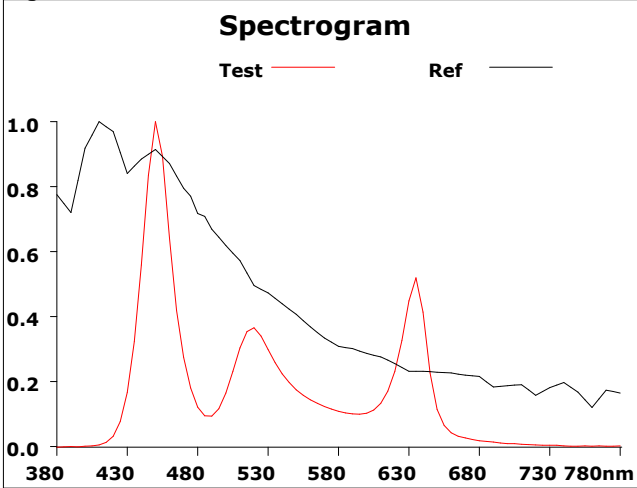
Ra: 62.9 AvgR: 50.4
R1: 52.8 R2: 85.5 R3: 62.1 R4: 48.7 R5: 66.9 R6: 86.1 R7: 74.2 R8: 27.3
R9: -99.0 R10: 78.1 R11: 34.7 R12: 66.7 R13: 61.0 R14: 75.8 R15: 35.1

CCT: 52748 K Flux: 939.165 lm PeakWave: 450.6 nm SDCM: 49.1
S/P: 3.2 CentralWave: 450.8 nm DominantWave: 467.7 nm CentroidWave: 523.7 nm
HalfWidth: 23.5 nm duv: -0.01757 purity: 36.0 % CQS: 88.3
LER(TM-30): 223.0 Ep: 4212.1 mw Rg: 118.9 Rf: 69.2
Red Ep: 979.0 mw Near red Ep: 29.6 mw Near infrared Ep: 4.1 mw

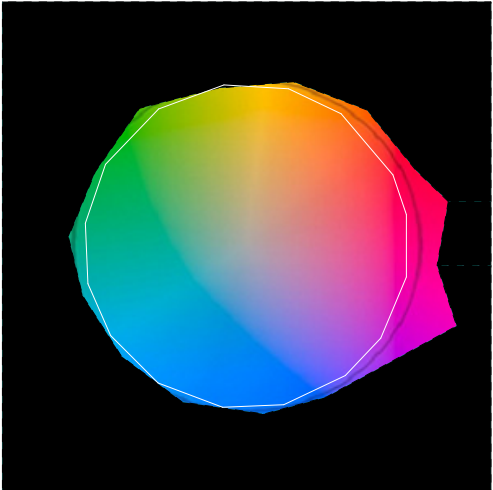
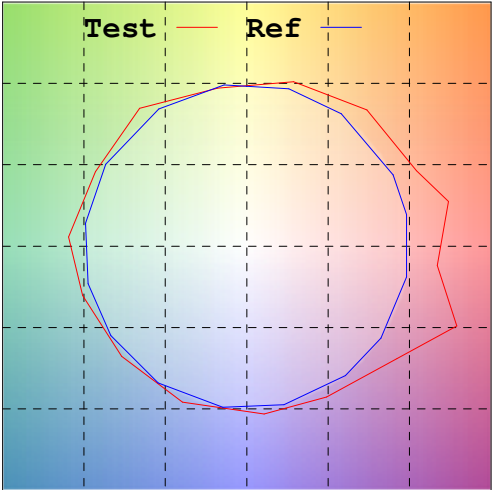
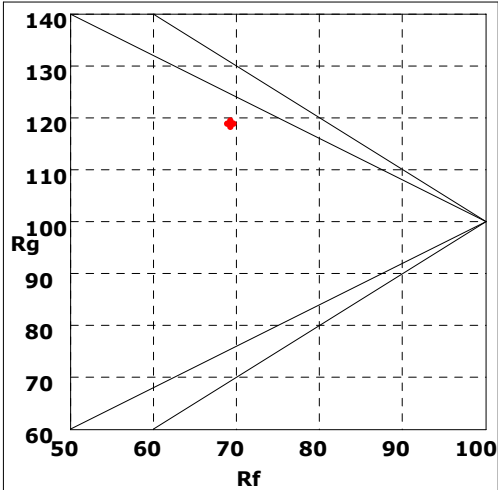
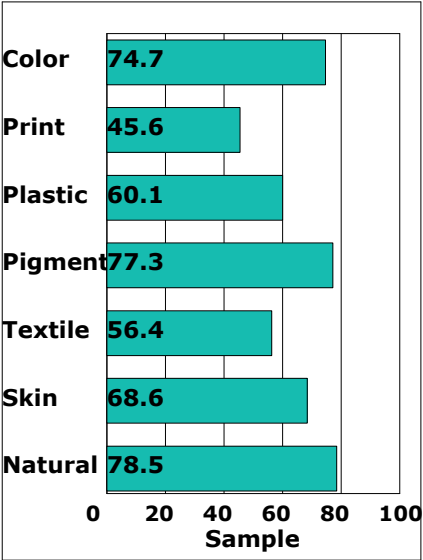
Electrical parameters:

Effic: 10.9 Lm/W Energy: 11.8 Effi: G
U: 221.9 V I: 0.614 A P: 86.530 W Pf: 0.635

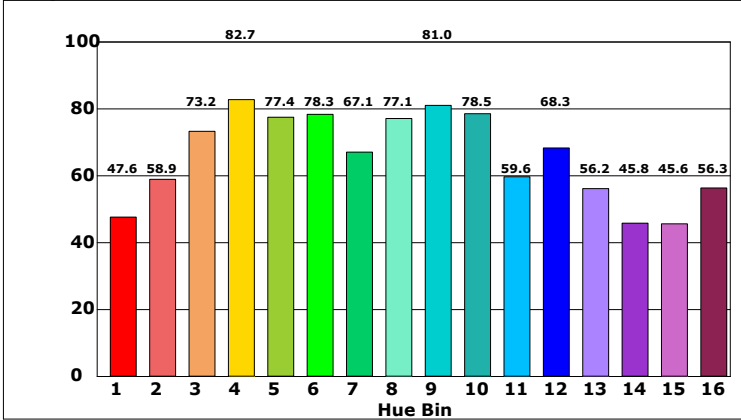
Rf: 69.2 CCT: 52748K u': 0.1982
Rg: 118.9 LER: 223.0 Duv: -0.01757 v': 0.3956



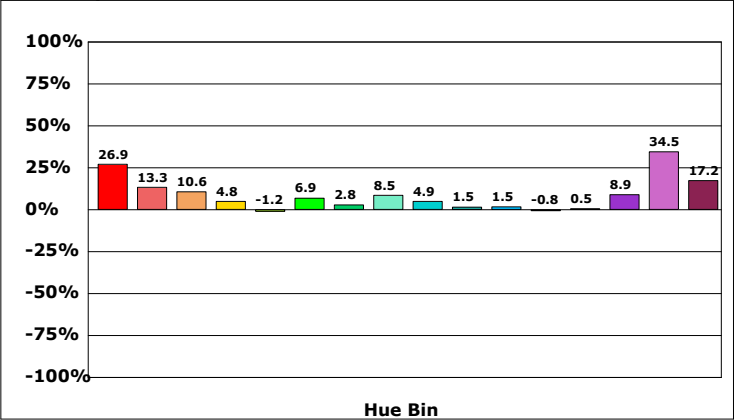
500			
Hue Bin	Rf	Chroma	Hue
1	47.6	26.9%	3.0%
2	58.9	13.3%	-5.8%
3	73.2	10.6%	-11.8%
4	82.7	4.8%	-2.0%
5	77.4	-1.2%	4.3%
6	78.3	6.9%	9.7%
7	67.1	2.8%	7.2%
8	77.1	8.5%	10.4%
9	81.0	4.9%	6.5%
10	78.5	1.5%	14.4%
11	59.6	1.5%	19.0%
12	68.3	-0.8%	25.6%
13	56.2	0.5%	26.5%
14	45.8	8.9%	32.0%
15	45.6	34.5%	32.2%
16	56.3	17.2%	10.8%



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

