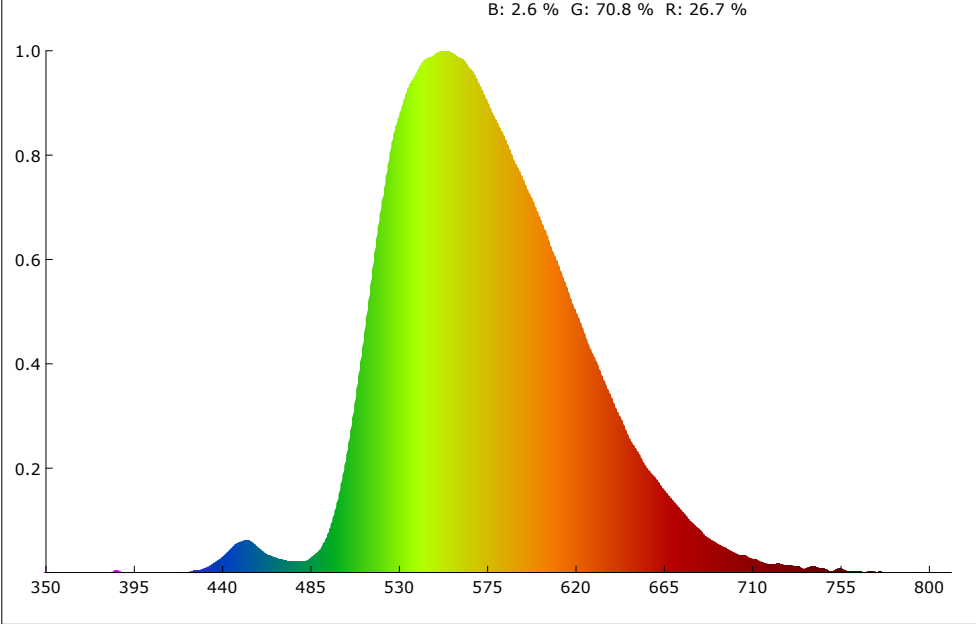
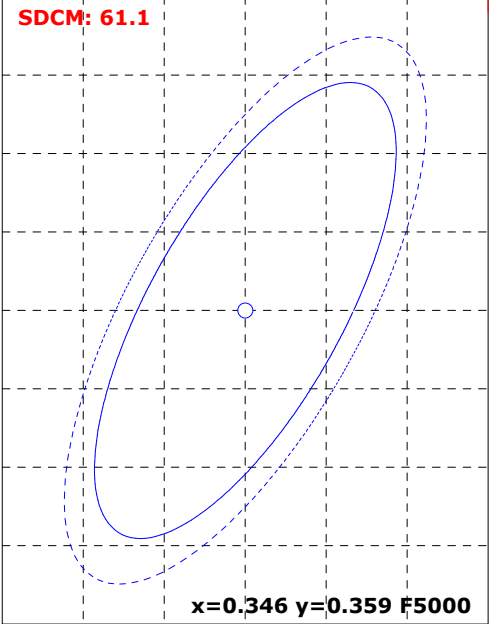


Spectrogram



SDCM



Color Parameter:

x: 0.4261 y: 0.5365 u: 0.1985 v: 0.3749 u': 0.1985 v': 0.5624
R_ratio: 26.7 % G_ratio: 70.8 % B_ratio: 2.6 % RedRatio: 11.5 % GreenRatio: 88.3 % BlueRatio: 0.2 %

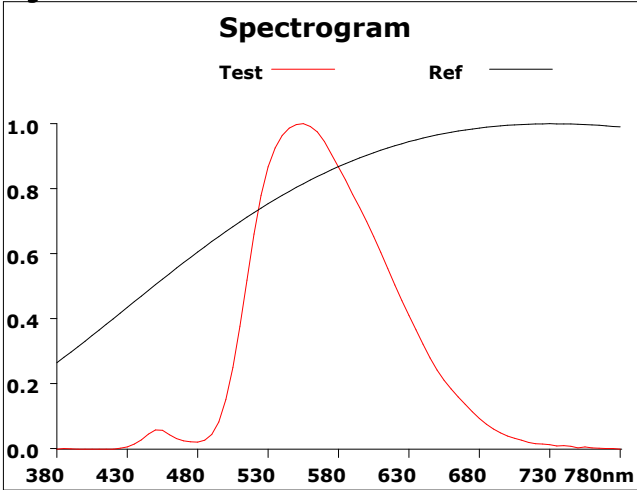
Ra: 49.3 AvgR: 32.2
R1: 41.5 R2: 57.2 R3: 70.3 R4: 36.7 R5: 40.2 R6: 46.5 R7: 73.3 R8: 29.1
R9: -99.0 R10: 6.9 R11: 19.1 R12: 4.5 R13: 43.2 R14: 85.3 R15: 28.3

CCT: 3963 K Flux: 1106.765 lm PeakWave: 556.5 nm SDCM: 61.1
S/P: 1.2 CentralWave: 566.9 nm DominantWave: 569.1 nm CentroidWave: 573.8 nm
HalfWidth: 105.8 nm duv: 0.04845 purity: 89.1 % CQS: 53.2
LER(TM-30): 472.5 Ep: 2342.4 mw Rg: 56.2 Rf: 50.5
Red Ep: 618.7 mw Near red Ep: 21.0 mw Near infrared Ep: 0.0 mw

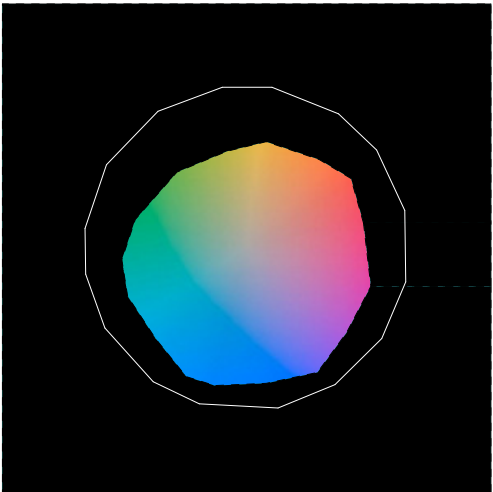
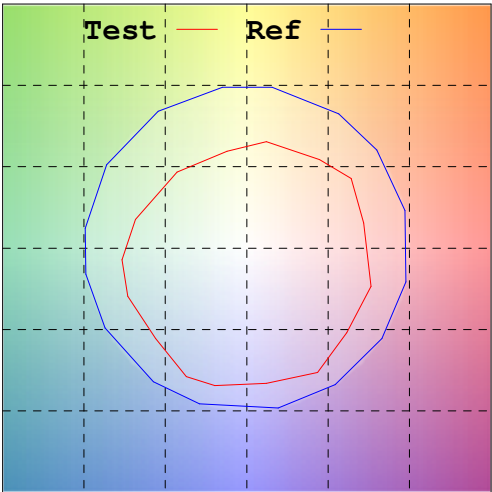
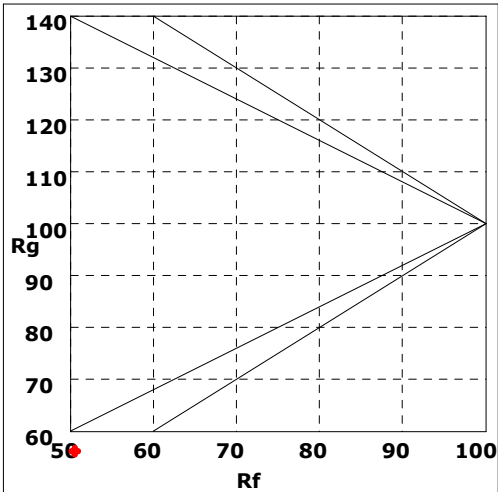
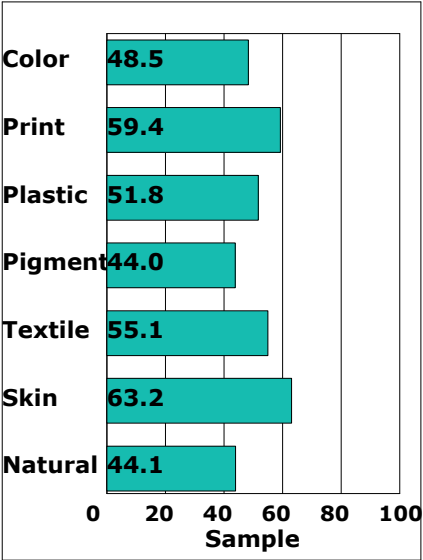
Electrical parameters:

Effic: 14.9 lm/W Energy: 16.3 Effi: G
U: 221.7 V I: 0.536 A P: 74.170 W Pf: 0.623

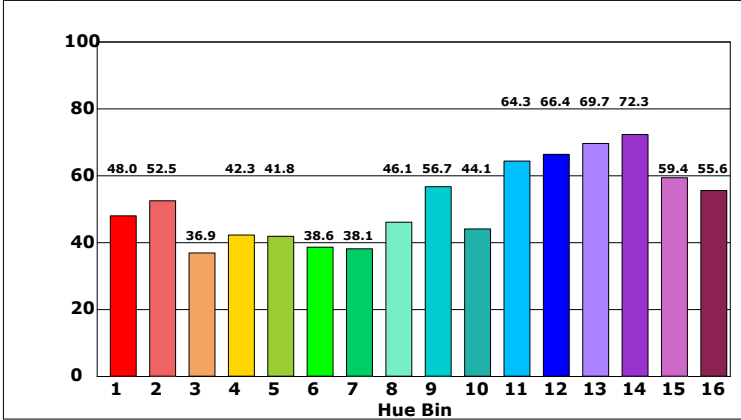
Rf: 50.5 CCT: 3963K u': 0.1985
Rg: 56.2 LER: 472.5 Duv: 0.04845 v': 0.5624



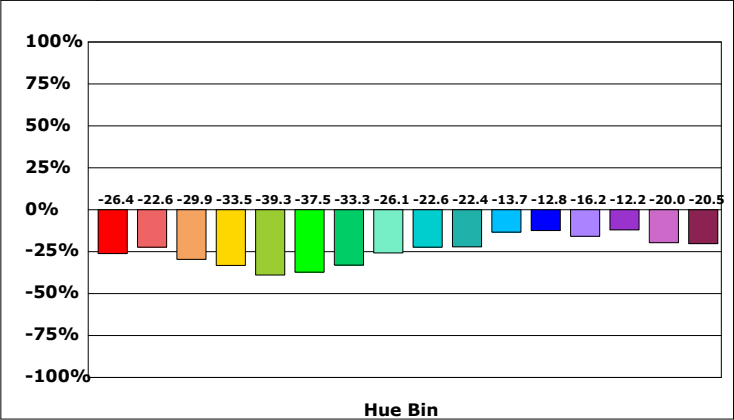
500			
Hue Bin	Rf	Chroma	Hue
1	48.0	-26.4%	-2.6%
2	52.5	-22.6%	-5.8%
3	36.9	-29.9%	-6.0%
4	42.3	-33.5%	-3.0%
5	41.8	-39.3%	4.9%
6	38.6	-37.5%	11.2%
7	38.1	-33.3%	18.1%
8	46.1	-26.1%	14.5%
9	56.7	-22.6%	18.5%
10	44.1	-22.4%	22.7%
11	64.3	-13.7%	15.1%
12	66.4	-12.8%	7.1%
13	69.7	-16.2%	-4.1%
14	72.3	-12.2%	-4.8%
15	59.4	-20.0%	-9.0%
16	55.6	-20.5%	-6.8%



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

