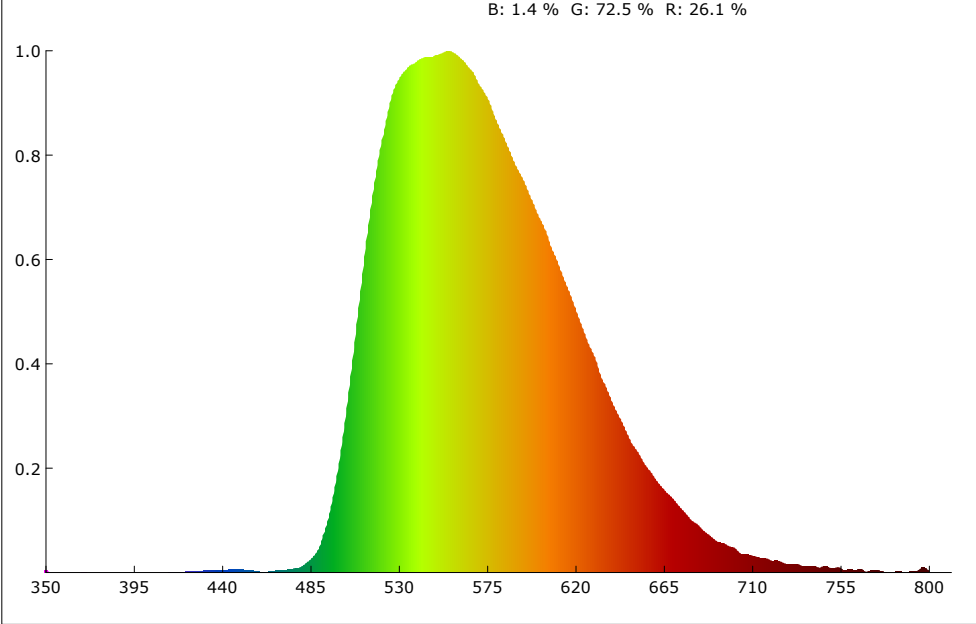
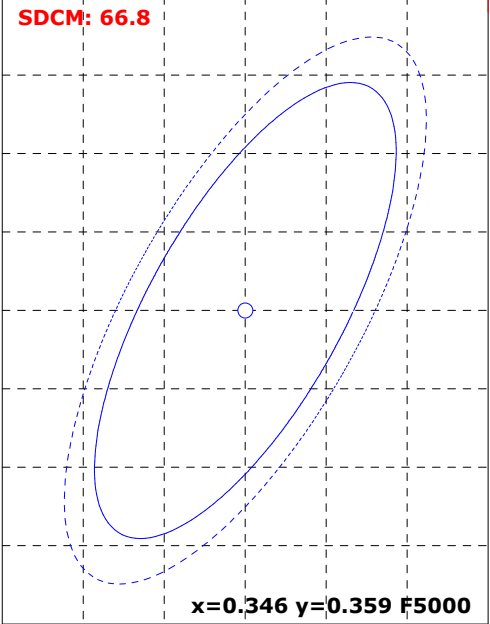


Spectrogram



SDCM



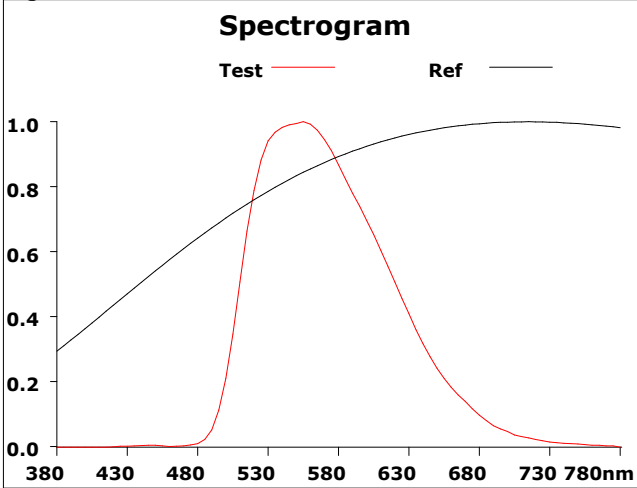
Color Parameter:

x: 0.4237	y: 0.5523	u: 0.1930	v: 0.3774	u': 0.1930	v': 0.5661
R_ratio: 26.1 %	G_ratio: 72.5 %	B_ratio: 1.4 %	RedRatio: 11.1 %	GreenRatio: 88.8 %	BlueRatio: 0.1 %
Ra: 32.9	AvgR: 18.7				
R1: 41.8	R2: 45.1	R3: 35.4	R4: 6.0	R5: 40.1	R6: 40.1
R7: 36.7	R8: 18.3	R9: -99.0	R10: -10.8	R11: -17.8	R12: 10.9
R13: 40.6	R14: 68.2	R15: 25.3			
CCT: 4057 K	Flux: 3854.058 lm	PeakWave: 556.5 nm	SDCM: 66.8		
S/P: 1.3	CentralWave: 564.8 nm	DominantWave: 568.0 nm	CentroidWave: 573.9 nm		
HalfWidth: 110.3 nm	duv: 0.05364	purity: 93.2 %	CQS: 16.4		
LER(TM-30): 474.6	Ep: 8120.5 mw	Rg: 29.9	Rf: 23.2		
Red Ep: 2094.6 mw	Near red Ep: 90.4 mw	Near infrared Ep: 4.9 mw			

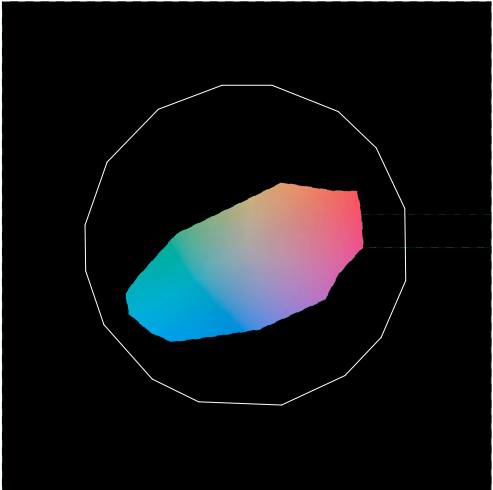
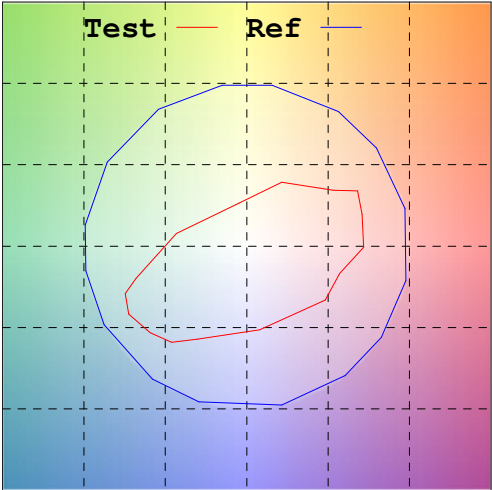
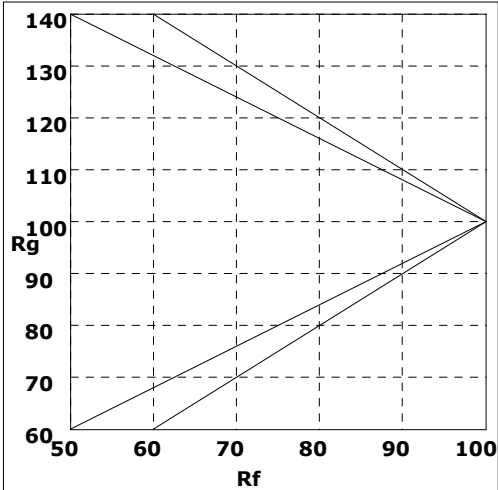
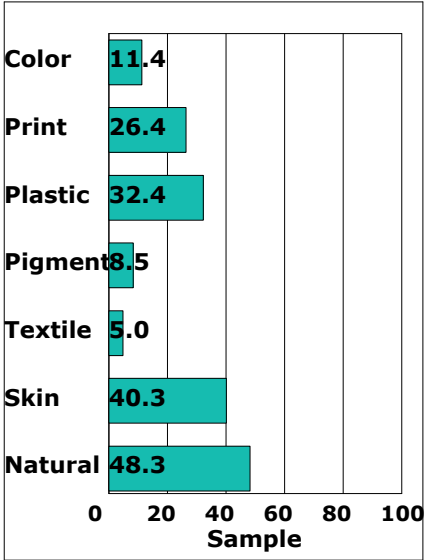
Electrical parameters:

Effic: 65.8 Lm/W	Energy: 71.7	Effi: G	
U: 220.5 V	I: 0.432 A	P: 58.550 W	Pf: 0.614

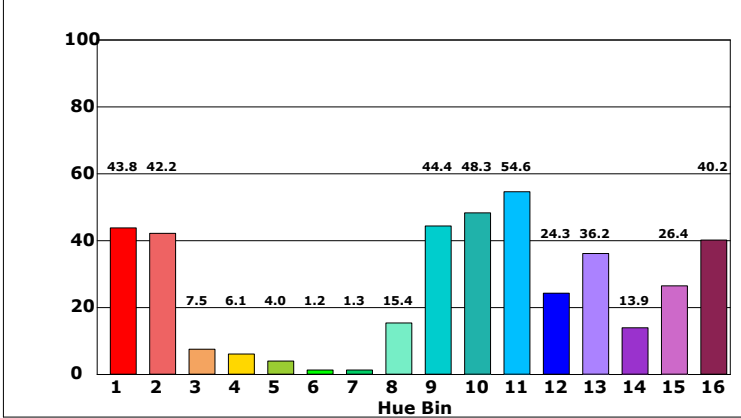
Rf: 23.2 CCT: 4057K u': 0.1930
Rg: 29.9 LER: 474.6 Duv: 0.05364 v': 0.5661



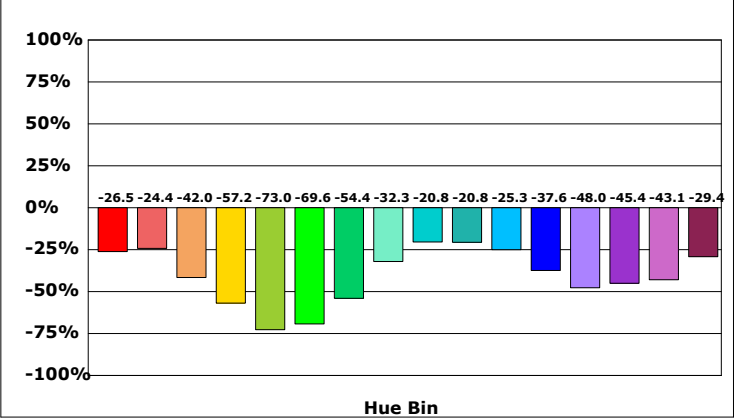
500			
Hue Bin	Rf	Chroma	Hue
1	43.8	-26.5%	1.7%
2	42.2	-24.4%	-15.4%
3	7.5	-42.0%	-24.2%
4	6.1	-57.2%	-17.5%
5	4.0	-73.0%	4.0%
6	1.2	-69.6%	33.2%
7	1.3	-54.4%	49.5%
8	15.4	-32.3%	36.4%
9	44.4	-20.8%	31.3%
10	48.3	-20.8%	19.7%
11	54.6	-25.3%	-2.9%
12	24.3	-37.6%	-8.0%
13	36.2	-48.0%	-4.3%
14	13.9	-45.4%	15.7%
15	26.4	-43.1%	18.6%
16	40.2	-29.4%	15.0%



Rf by Bue

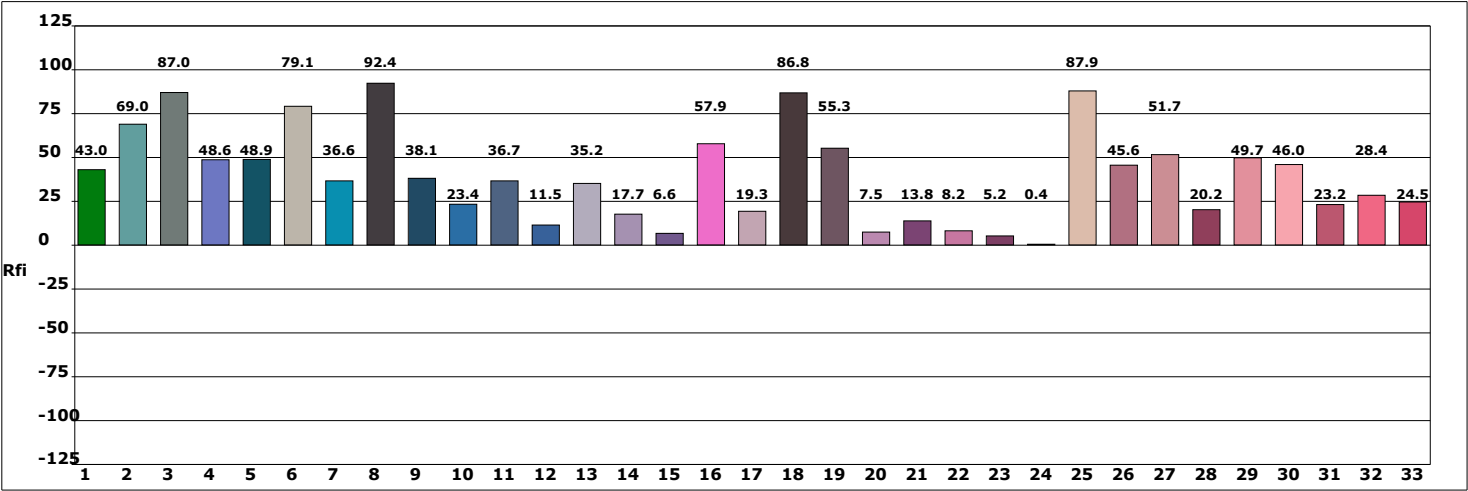
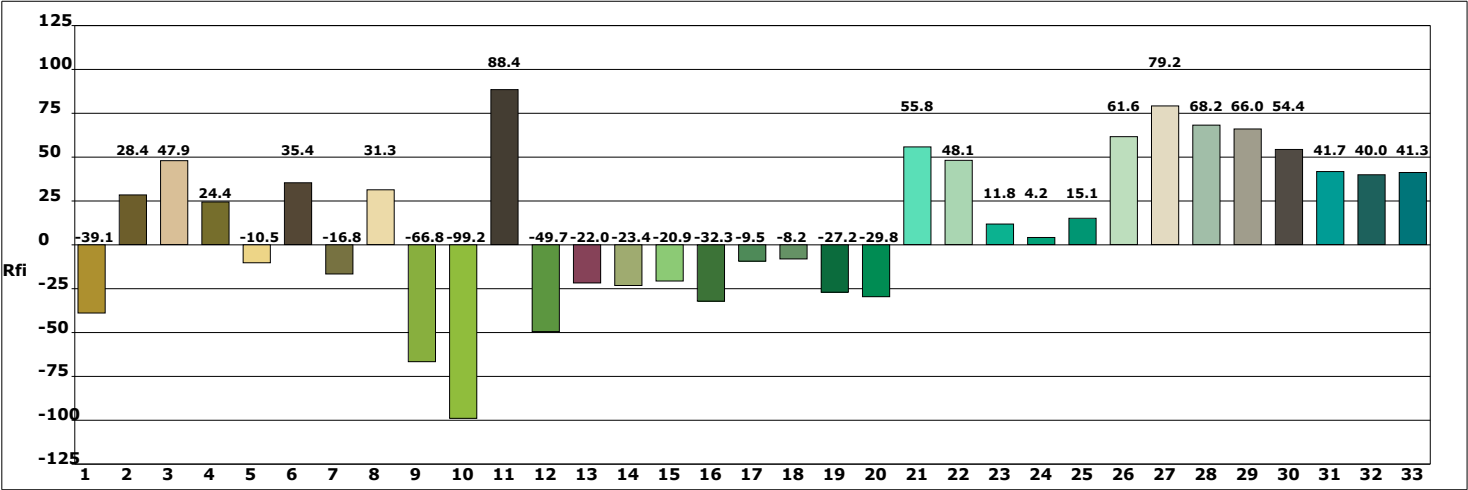
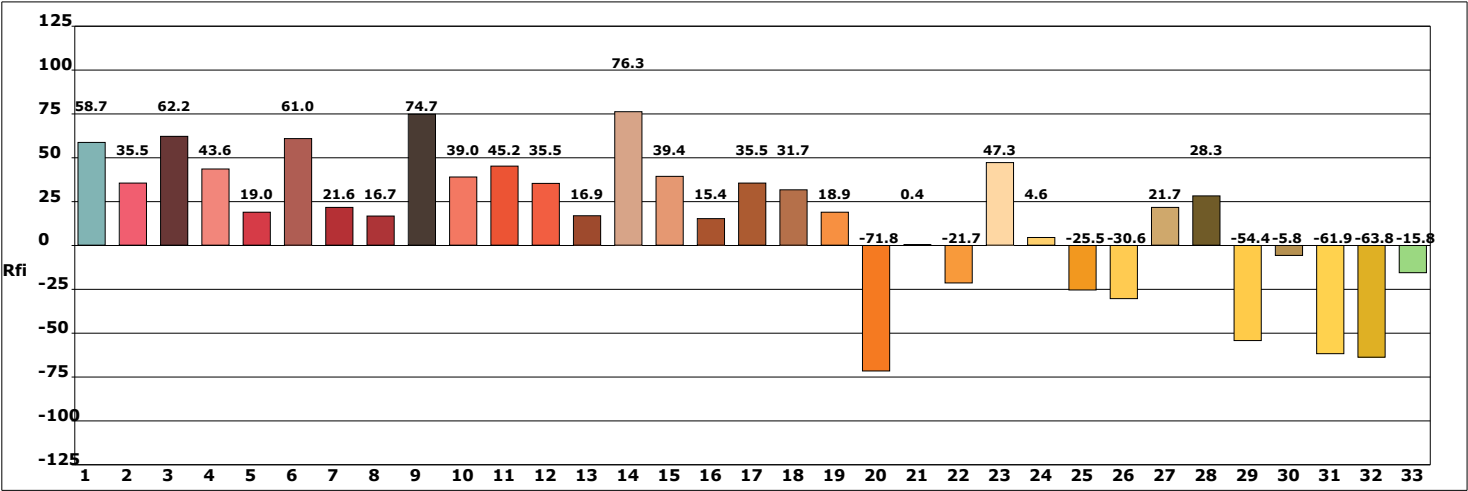


Chroma by Bue



Product model:
Product number:
Tester:
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,
Test unit:
Date of observation: 07/16/14



Product model:
Product number:
Tester:
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,
Test unit:
Date of observation: 07/16/14