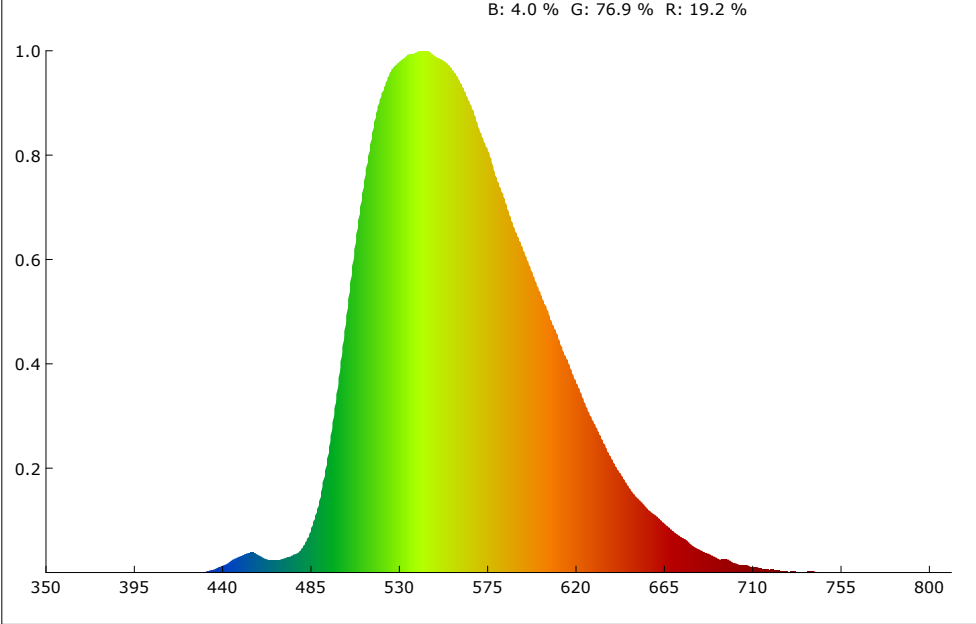
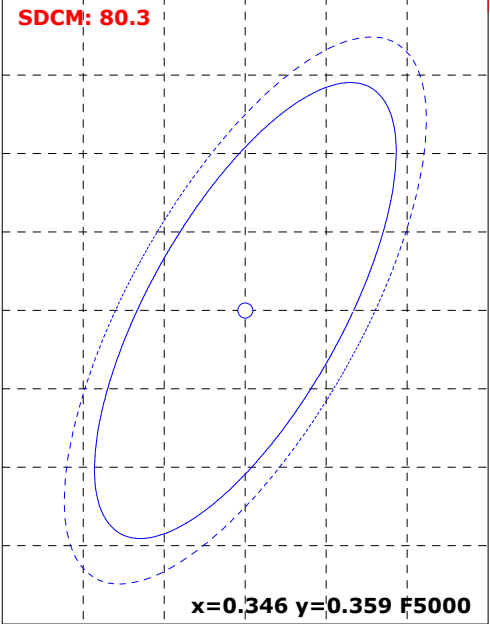


Spectrogram



SDCM



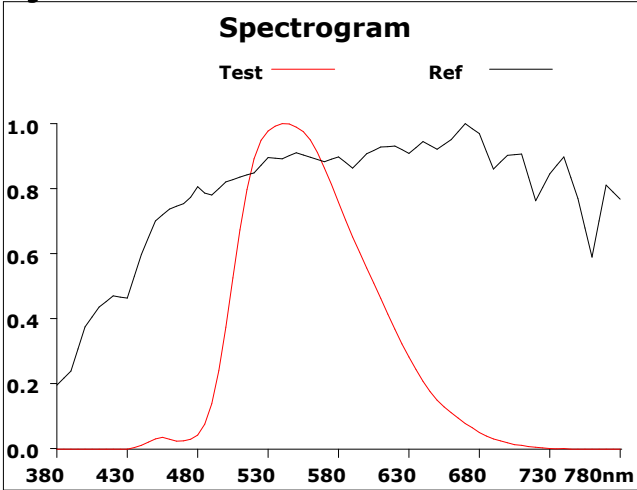
Color Parameter:

x: 0.3886	y: 0.5658	u: 0.1725	v: 0.3767	u': 0.1725	v': 0.5651
R_ratio: 19.2 %	G_ratio: 76.9 %	B_ratio: 4.0 %	RedRatio: 8.6 %	GreenRatio: 91.1 %	BlueRatio: 0.3 %
Ra: 34.6	AvgR: 20.2				
R1: 33.2	R2: 47.0	R3: 48.1	R4: 7.2	R5: 34.4	R6: 45.2
R7: 47.5	R8: 14.4	R9: -99.0	R10: -3.5	R11: -11.8	R12: 15.4
R13: 34.1	R14: 75.0	R15: 15.3			
CCT: 4616 K	Flux: 456.278 lm	PeakWave: 542.4 nm	SDCM: 80.3		
S/P: 1.5	CentralWave: 554.7 nm	DominantWave: 563.4 nm	CentroidWave: 562.1 nm		
HalfWidth: 101.7 nm	duv: 0.06578	purity: 86.8 %	CQS: 28.2		
LER(TM-30): 488.6	Ep: 933.8 mw	Rg: 43.7	Rf: 36.8		
Red Ep: 178.7 mw	Near red Ep: 2.6 mw	Near infrared Ep: 0.0 mw			

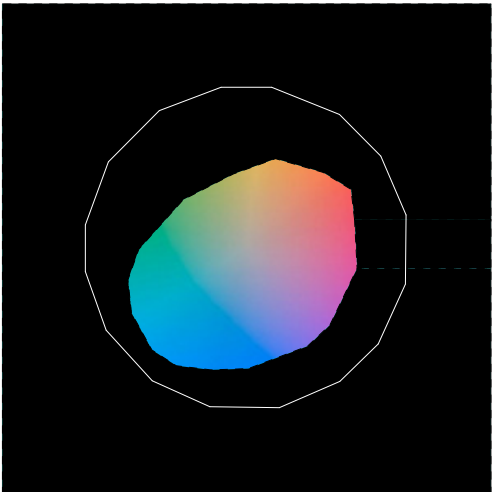
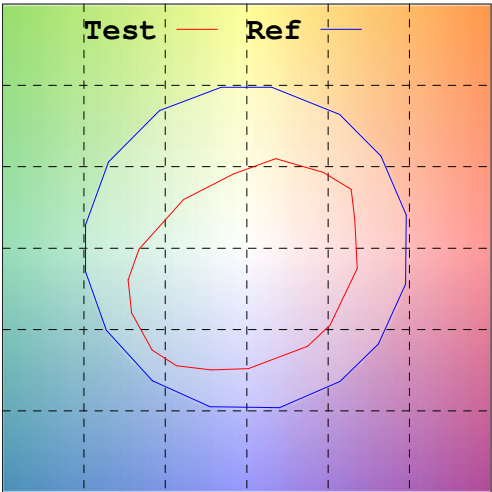
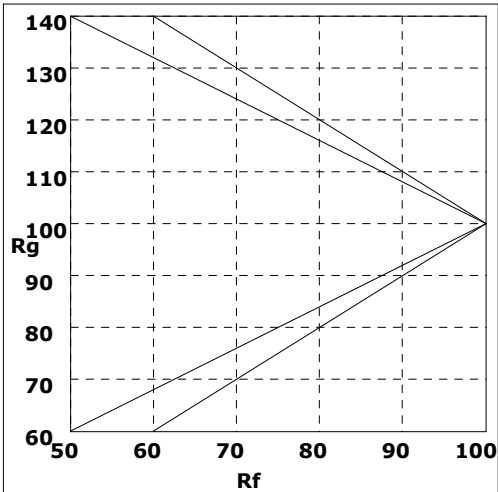
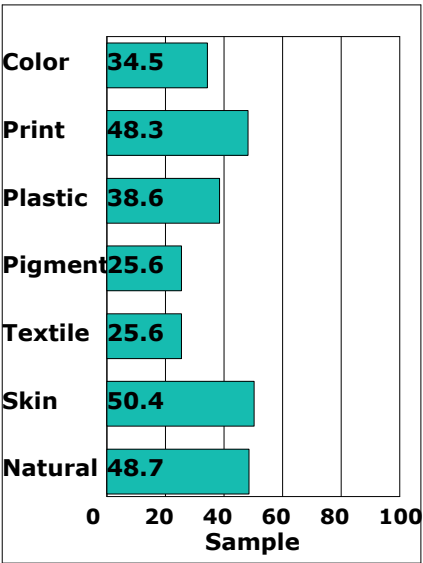
Electrical parameters:

Effic: 21.4 Lm/W	Energy: 23.3	Effi: G	
U: 221.0 V	I: 0.176 A	P: 21.360 W	Pf: 0.547

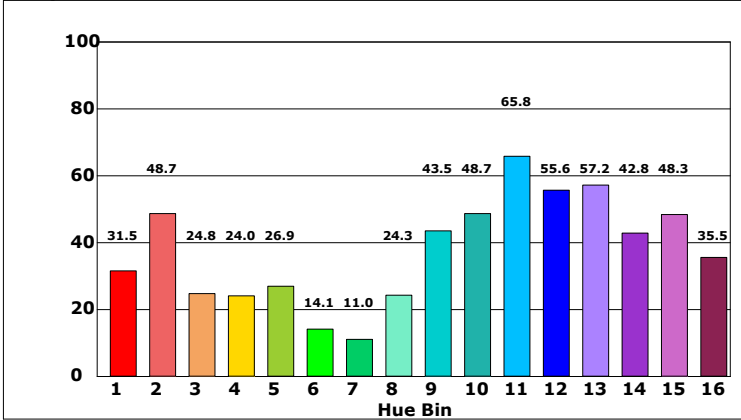
Rf: 36.8 CCT: 4616K u': 0.1725
Rg: 43.7 LER: 488.6 Duv: 0.06578 v': 0.5651



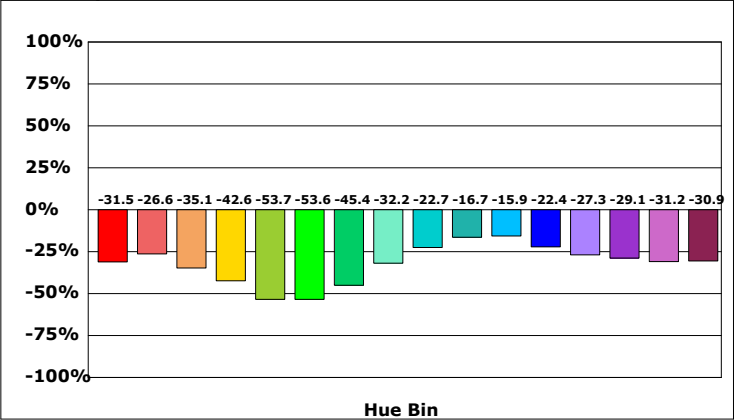
500			
Hue Bin	Rf	Chroma	Hue
1	31.5	-31.5%	3.8%
2	48.7	-26.6%	-7.0%
3	24.8	-35.1%	-11.3%
4	24.0	-42.6%	-10.9%
5	26.9	-53.7%	3.0%
6	14.1	-53.6%	18.3%
7	11.0	-45.4%	34.1%
8	24.3	-32.2%	28.1%
9	43.5	-22.7%	30.5%
10	48.7	-16.7%	25.8%
11	65.8	-15.9%	7.1%
12	55.6	-22.4%	-3.6%
13	57.2	-27.3%	-14.1%
14	42.8	-29.1%	-4.4%
15	48.3	-31.2%	-6.9%
16	35.5	-30.9%	3.5%



Rf by Bue

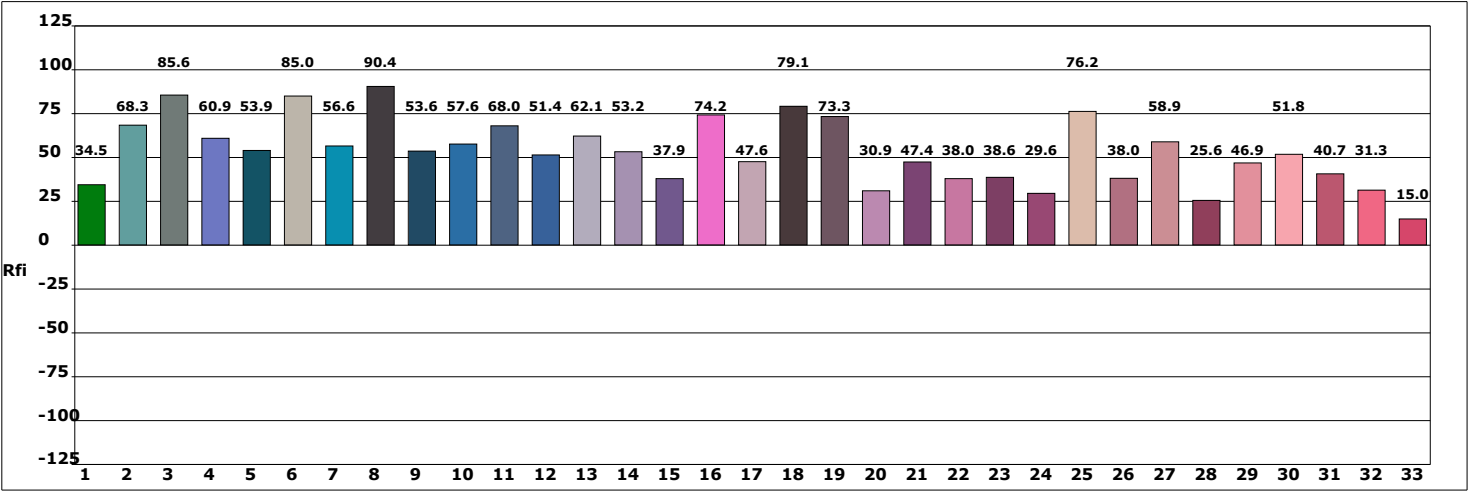
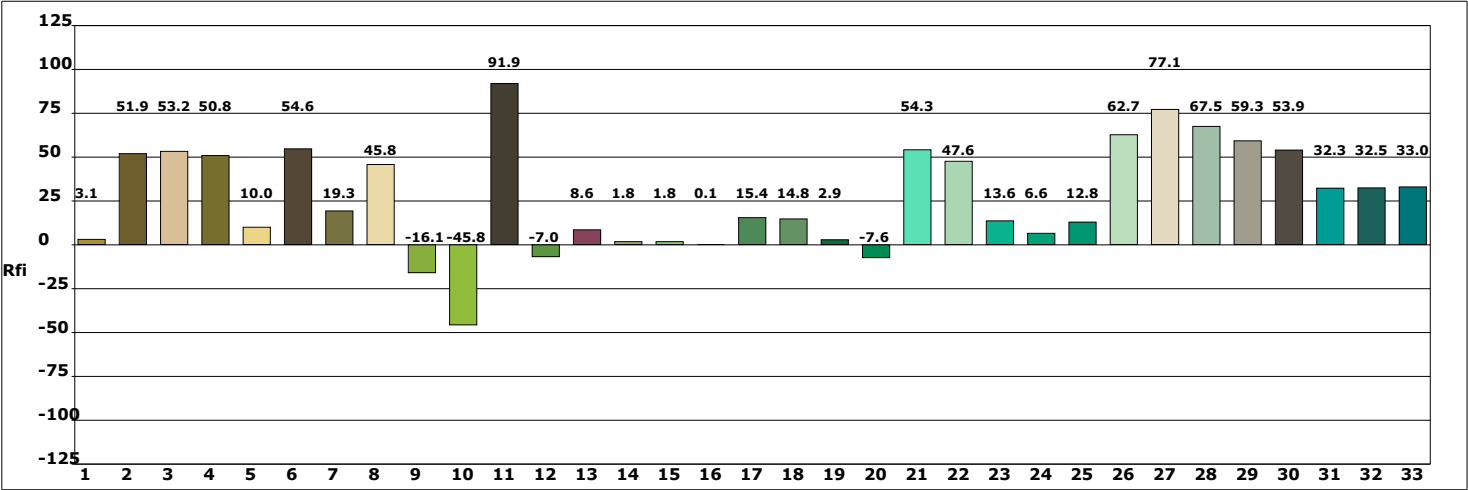
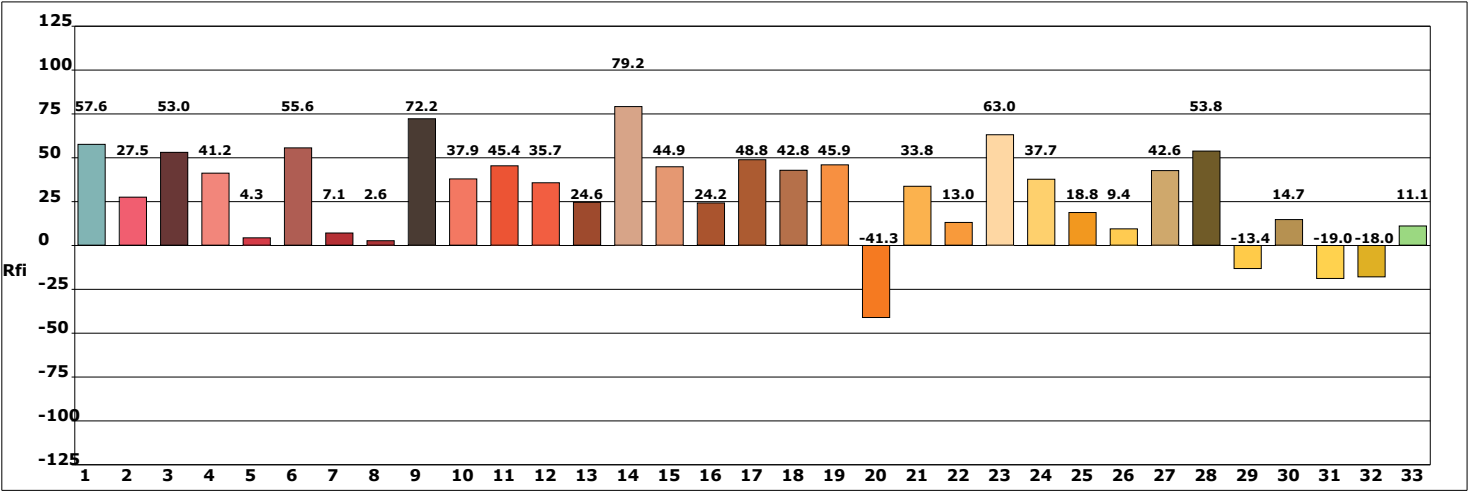


Chroma by Bue



Product model:
Product number:
Tester:
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,
Test unit:
Date of observation: 03/31/13



Product model:
Product number:
Tester:
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,
Test unit:
Date of observation: 03/31/13