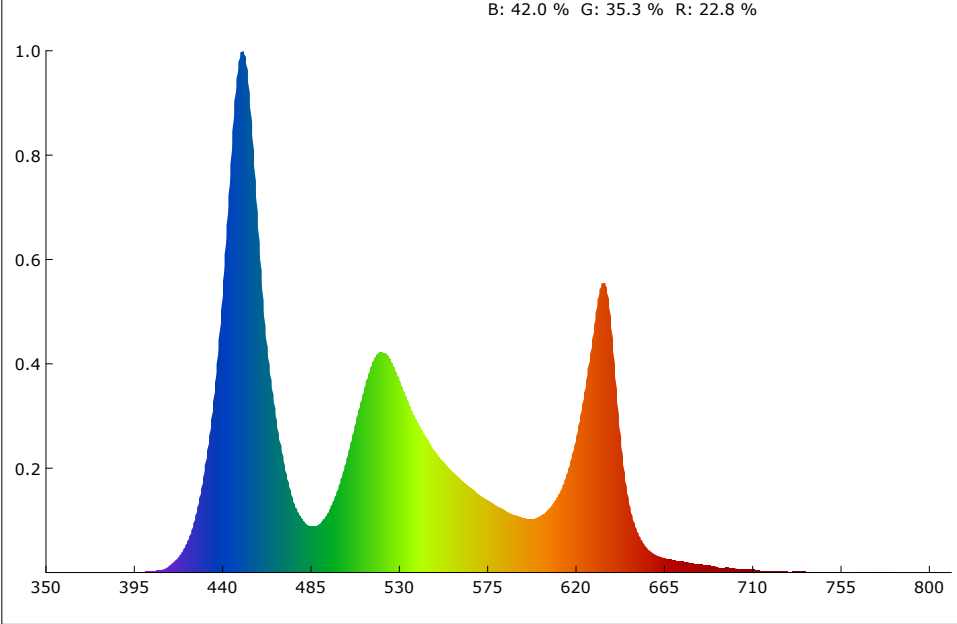
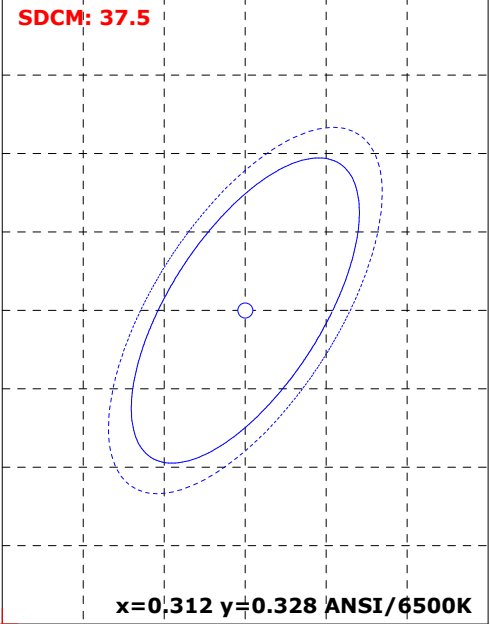


Spectrogram



SDCM



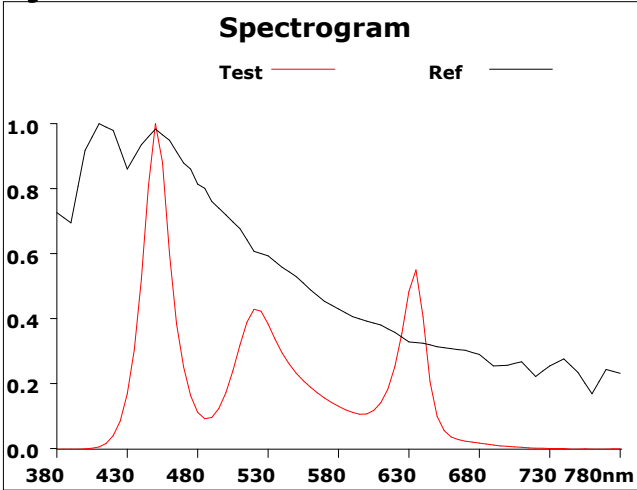
Color Parameter:

x: 0.2665	y: 0.2597	u: 0.1909	v: 0.2791	u': 0.1909	v': 0.4187		
R_ratio: 22.8 %	G_ratio: 35.3 %	B_ratio: 42.0 %	RedRatio: 16.5 %	GreenRatio: 78.1 %	BlueRatio: 5.4 %		
Ra: 73.7		AvgR: 63.2					
R1: 72.2	R2: 95.6	R3: 63.1	R4: 62.9	R5: 82.4	R6: 93.0	R7: 76.0	R8: 44.6
R9: -61.8	R10: 88.6	R11: 52.9	R12: 63.4	R13: 79.7	R14: 77.5	R15: 57.7	
CCT: 15936 K		Flux: 434.598 lm	PeakWave: 450.6 nm	SDCM: 37.5			
S/P: 2.9		CentralWave: 450.8 nm	DominantWave: 475.0 nm	CentroidWave: 525.2 nm			
HalfWidth: 21.6 nm		duv: -0.00602	purity: 29.9 %	CQS: 89.3			
LER(TM-30): 249.8		Ep: 1739.8 mw	Rg: 113.8	Rf: 75.7			
Red Ep: 394.7 mw		Near red Ep: 5.5 mw	Near infrared Ep: 0.1 mw				

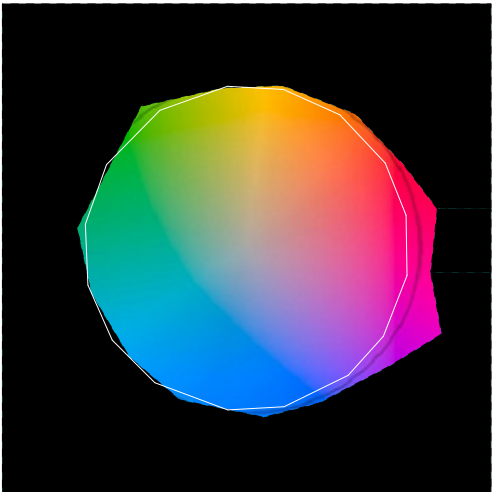
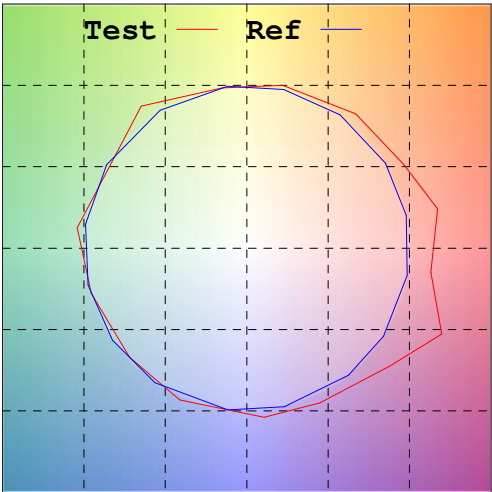
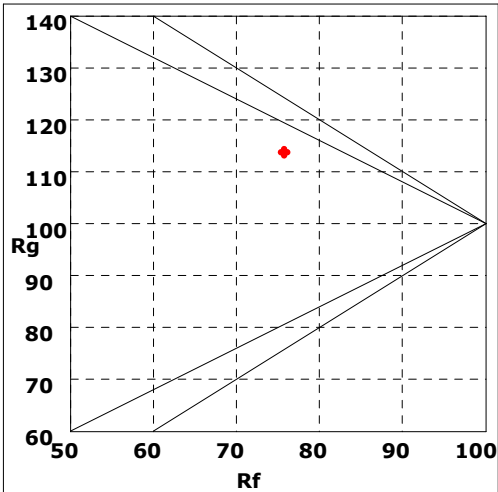
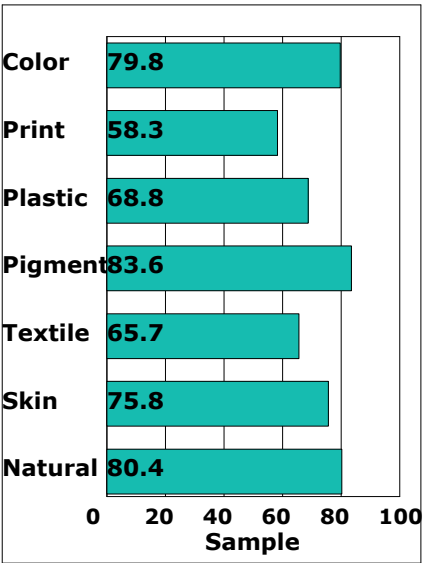
Electrical parameters:

Effic: 13.1 lm/W	Energy: 14.2	Effi: G	
U: 221.0 V	I: 0.263 A	P: 33.270 W	Pf: 0.571

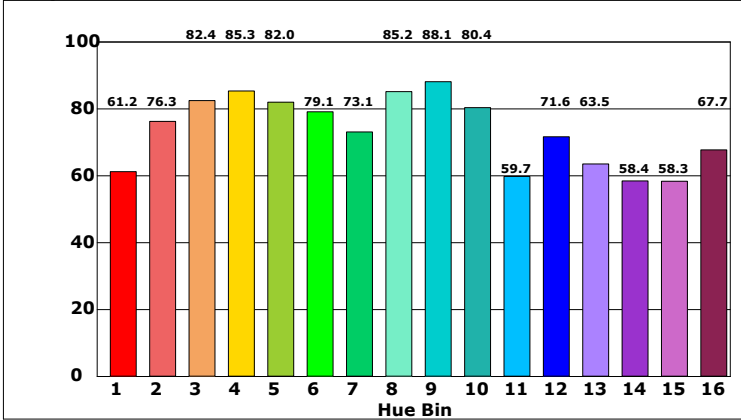
Rf: 75.7 CCT: 15936K u': 0.1909
Rg: 113.8 LER: 249.8 Duv: -0.00602 v': 0.4187



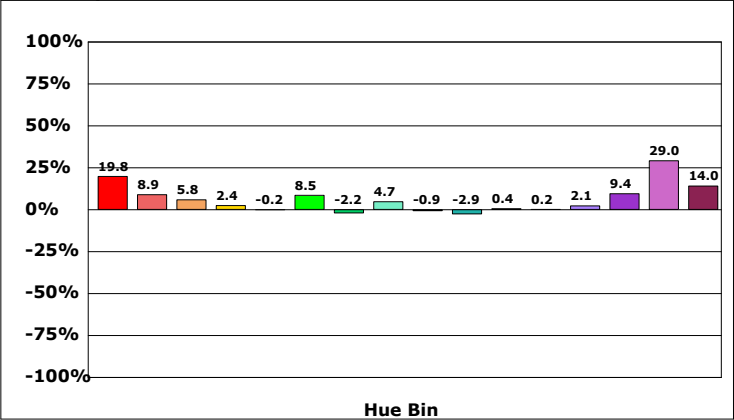
500			
Hue Bin	Rf	Chroma	Hue
1	61.2	19.8%	0.0%
2	76.3	8.9%	-6.9%
3	82.4	5.8%	-7.5%
4	85.3	2.4%	1.1%
5	82.0	-0.2%	3.4%
6	79.1	8.5%	8.2%
7	73.1	-2.2%	2.4%
8	85.2	4.7%	3.1%
9	88.1	-0.9%	5.3%
10	80.4	-2.9%	14.8%
11	59.7	0.4%	18.6%
12	71.6	0.2%	22.9%
13	63.5	2.1%	22.0%
14	58.4	9.4%	23.9%
15	58.3	29.0%	21.0%
16	67.7	14.0%	4.7%



Rf by Bue

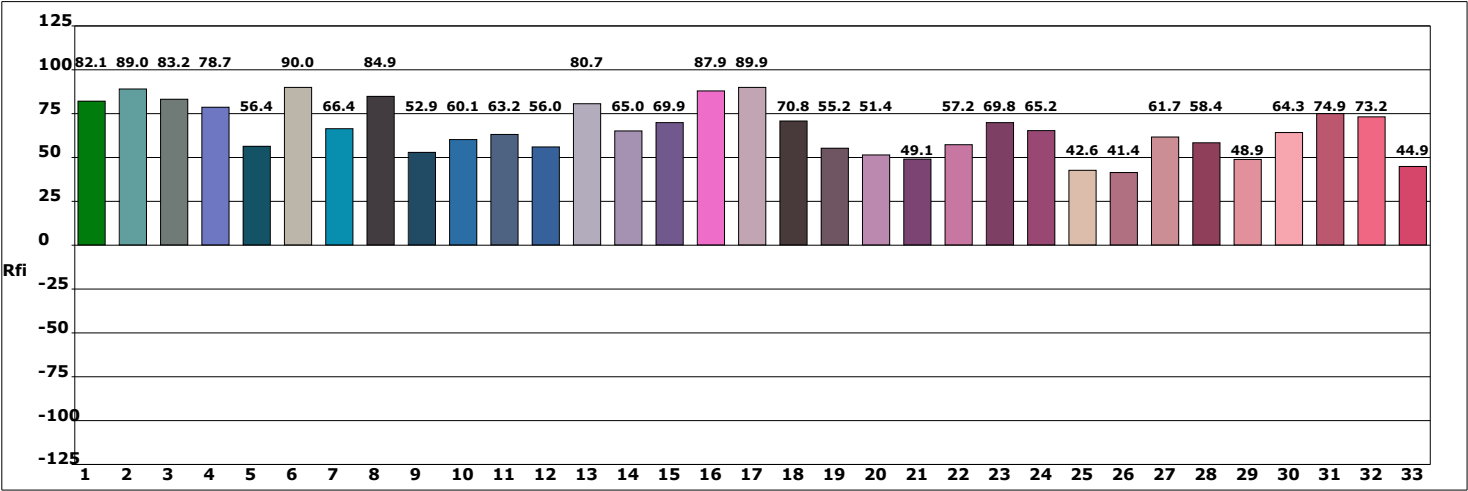
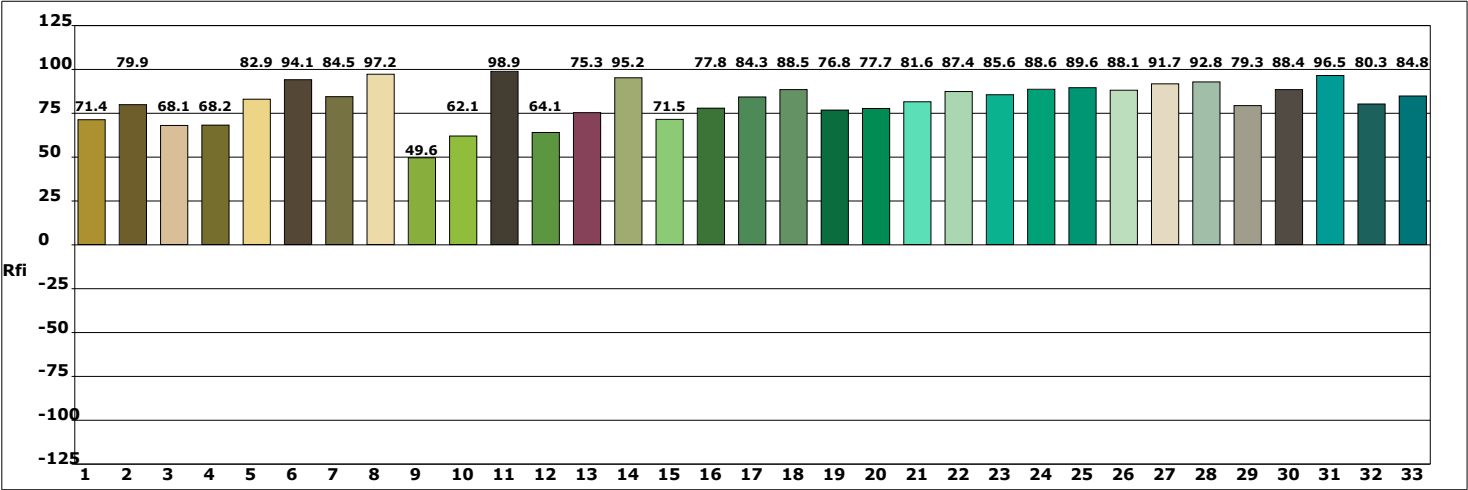
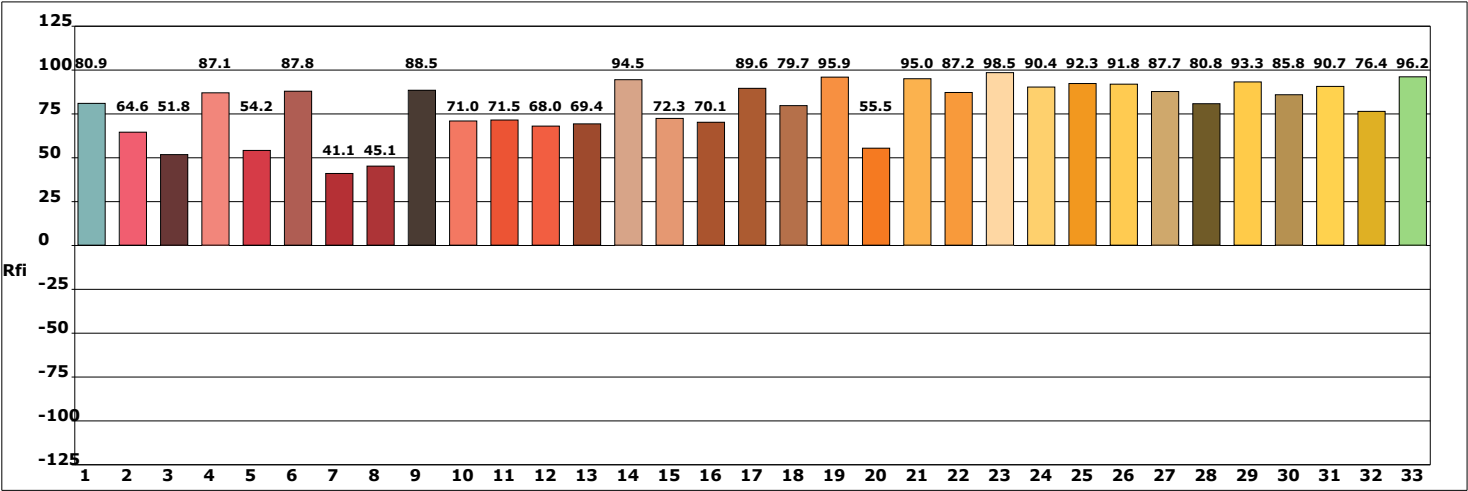


Chroma by Bue



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