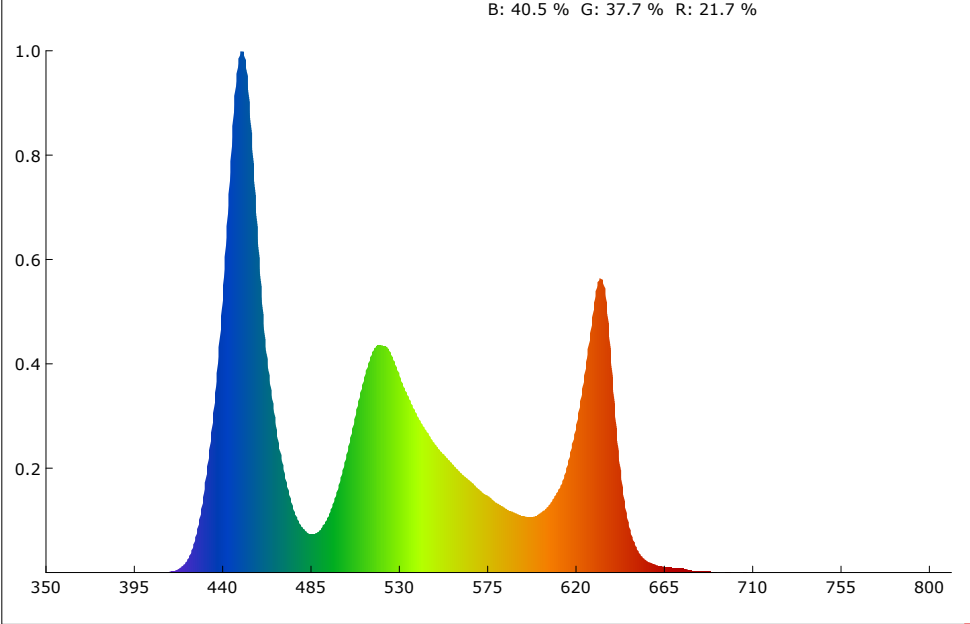
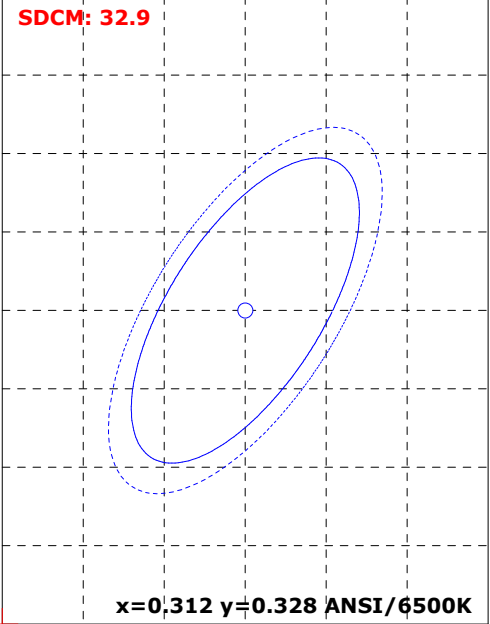


Spectrogram



SDCM



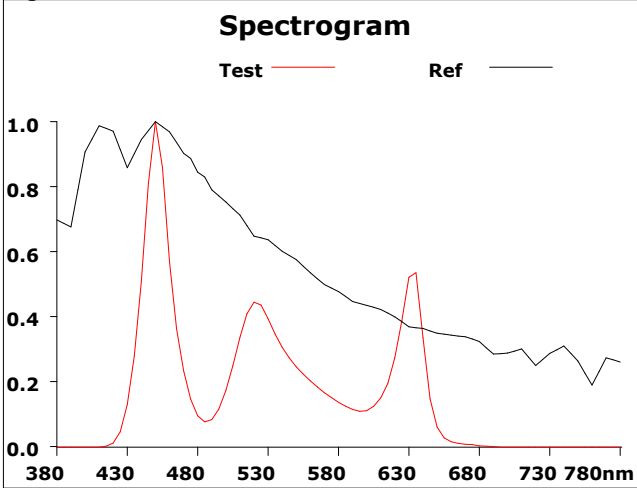
Color Parameter:

x: 0.2700	y: 0.2706	u: 0.1892	v: 0.2845	u': 0.1892	v': 0.4268
R_ratio: 21.7 %	G_ratio: 37.7 %	B_ratio: 40.5 %	RedRatio: 16.2 %	GreenRatio: 78.9 %	BlueRatio: 5.0 %
Ra: 76.8	AvgR: 67.6				
R1: 77.7	R2: 95.4	R3: 65.2	R4: 66.9	R5: 86.8	R6: 92.2
R7: 77.9	R8: 52.7				
R9: -32.8	R10: 84.7	R11: 57.0	R12: 60.6	R13: 84.7	R14: 78.9
R15: 65.5					
CCT: 13149 K	Flux: 177.275 lm	PeakWave: 450.6 nm	SDCM: 32.9		
S/P: 2.9	CentralWave: 450.4 nm	DominantWave: 477.2 nm	CentroidWave: 524.4 nm		
HalfWidth: 20.4 nm	duv: -0.00252	purity: 27.4 %	CQS: 88.6		
LER(TM-30): 265.1	Ep: 668.7 mw	Rg: 112.0	Rf: 77.8		
Red Ep: 145.4 mw	Near red Ep: 0.0 mw	Near infrared Ep: 0.0 mw			

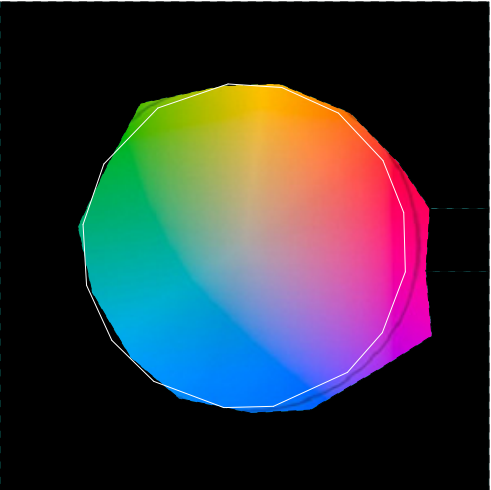
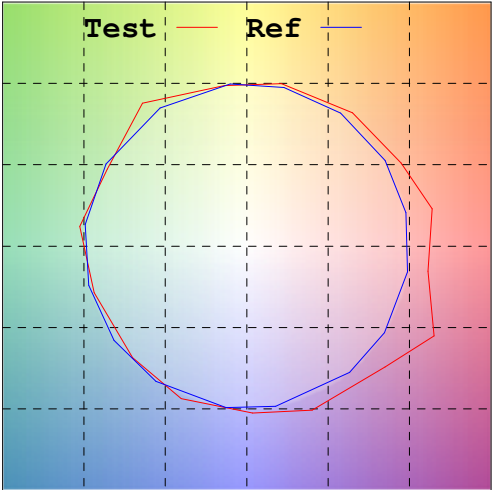
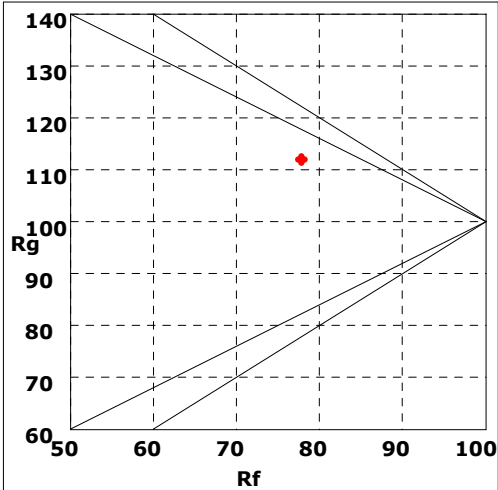
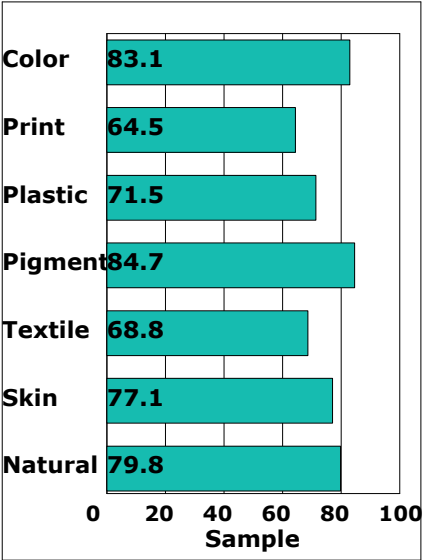
Electrical parameters:

Effic: 5.3 Lm/W	Energy: 5.8	Effi: G	
U: 220.5 V	I: 0.263 A	P: 33.220 W	Pf: 0.571

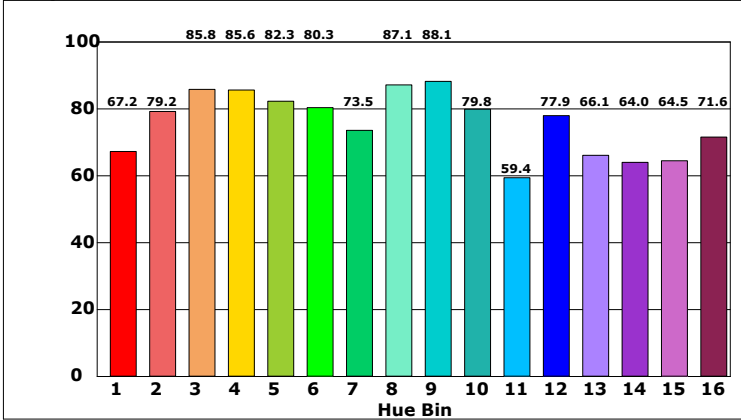
Rf: 77.8 CCT: 13149K u': 0.1892
Rg: 112.0 LER: 265.1 Duv: -0.00252 v': 0.4268



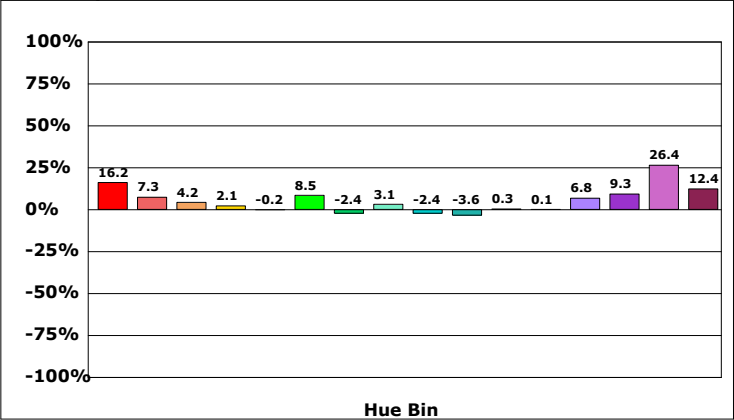
500			
Hue Bin	Rf	Chroma	Hue
1	67.2	16.2%	-0.8%
2	79.2	7.3%	-6.7%
3	85.8	4.2%	-6.0%
4	85.6	2.1%	1.9%
5	82.3	-0.2%	3.6%
6	80.3	8.5%	7.4%
7	73.5	-2.4%	2.1%
8	87.1	3.1%	1.7%
9	88.1	-2.4%	5.0%
10	79.8	-3.6%	15.1%
11	59.4	0.3%	18.8%
12	77.9	0.1%	16.8%
13	66.1	6.8%	21.5%
14	64.0	9.3%	20.0%
15	64.5	26.4%	15.1%
16	71.6	12.4%	2.9%



Rf by Bue

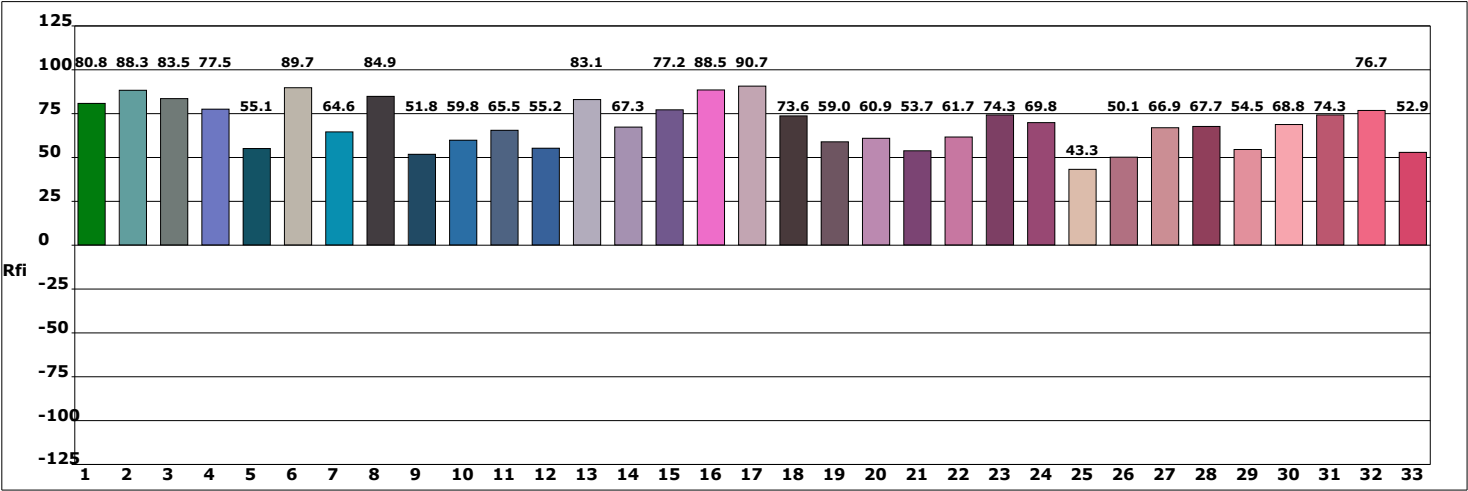
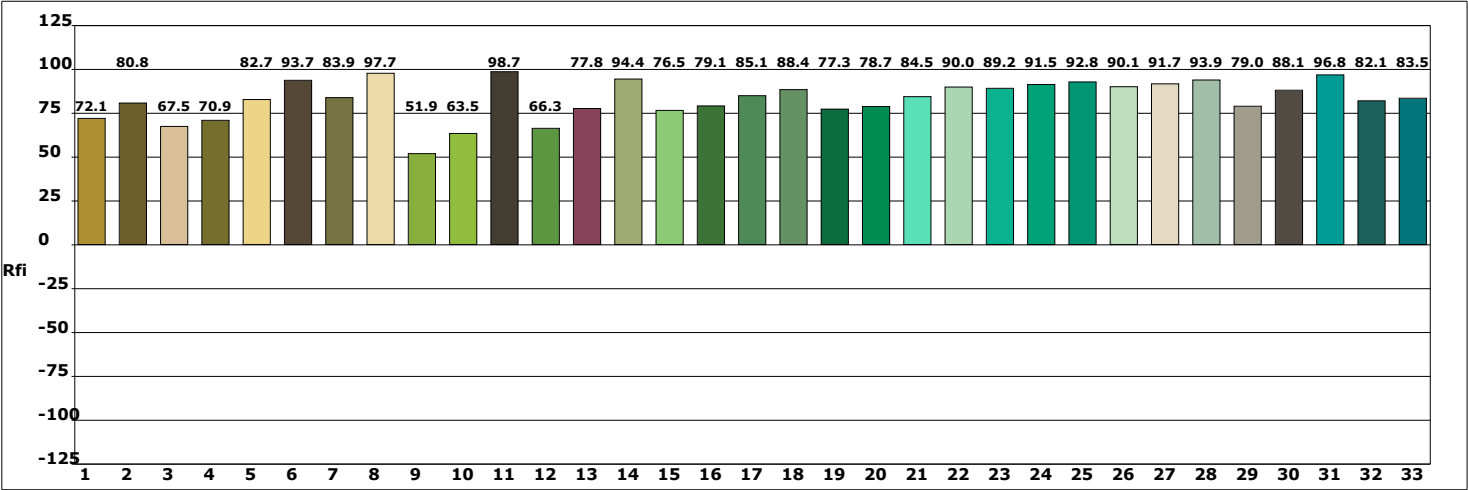
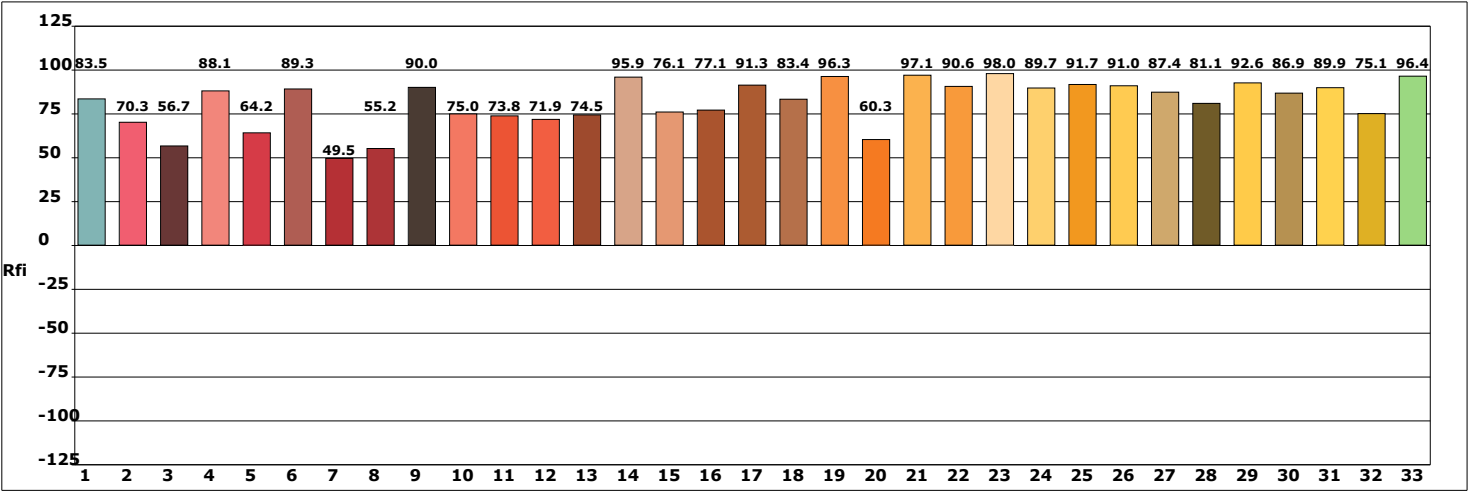


Chroma by Bue



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