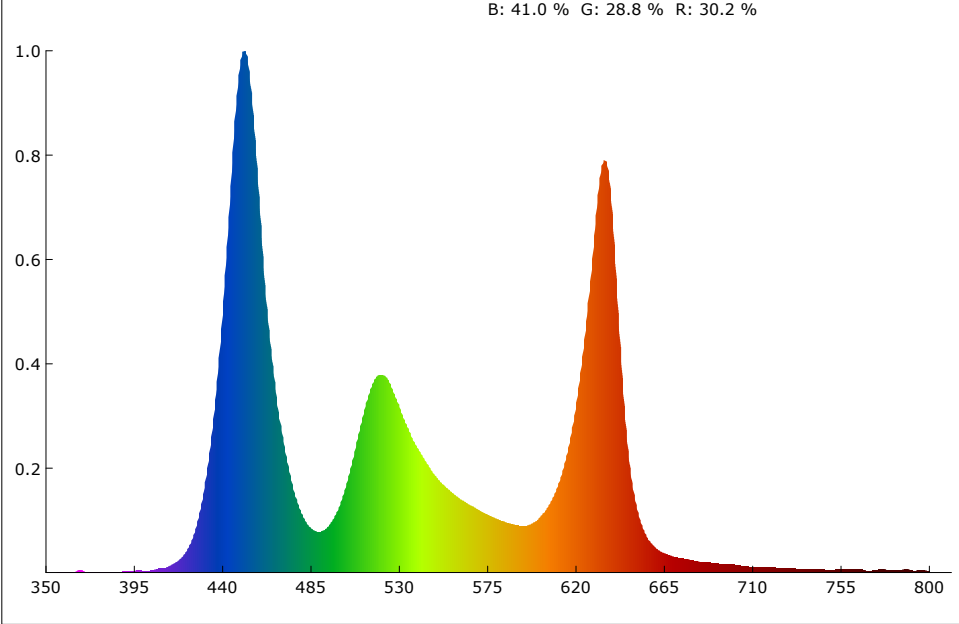
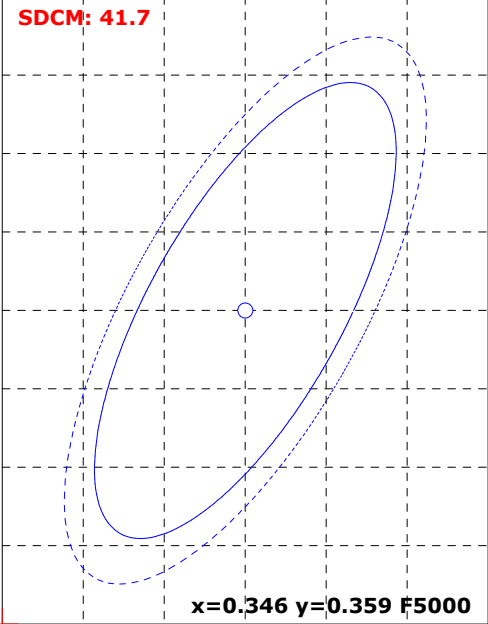


Spectrogram



SDCM



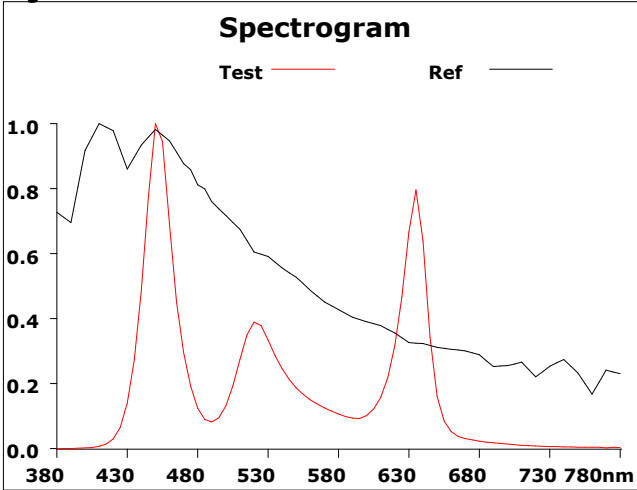
Color Parameter:

x: 0.2831	y: 0.2398	u: 0.2132	v: 0.2709	u': 0.2132	v': 0.4064
R_ratio: 30.2 %	G_ratio: 28.8 %	B_ratio: 41.0 %	RedRatio: 23.2 %	GreenRatio: 70.6 %	BlueRatio: 6.2 %
Ra: 43.3	AvgR: 32.5				
R1: 26.6	R2: 73.4	R3: 53.3	R4: 24.2	R5: 44.6	R6: 75.3
R7: 61.3	R8: -11.7	R9: -99.0	R10: 56.2	R11: 8.1	R12: 68.4
R13: 37.4	R14: 68.3	R15: 1.3			
CCT: 16099 K	Flux: 2392.347 lm	PeakWave: 451.6 nm	SDCM: 41.7		
S/P: 3.0	CentralWave: 451.9 nm	DominantWave: 444.4 nm	CentroidWave: 535.0 nm		
HalfWidth: 22.6 nm	duv: -0.02978	purity: 29.2 %	CQS: 84.8		
LER(TM-30): 222.1	Ep: 10772.2 mw	Rg: 125.1	Rf: 61.6		
Red Ep: 3216.6 mw	Near red Ep: 102.0 mw	Near infrared Ep: 17.0 mw			

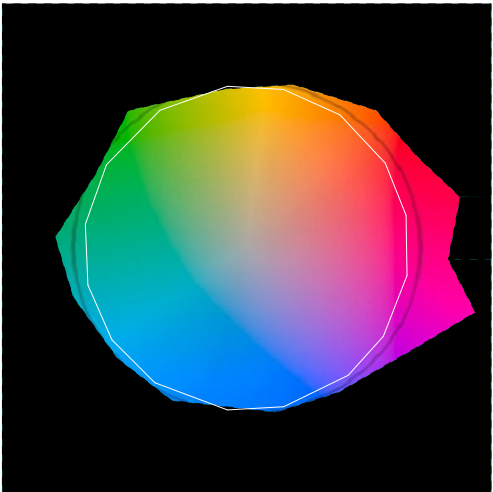
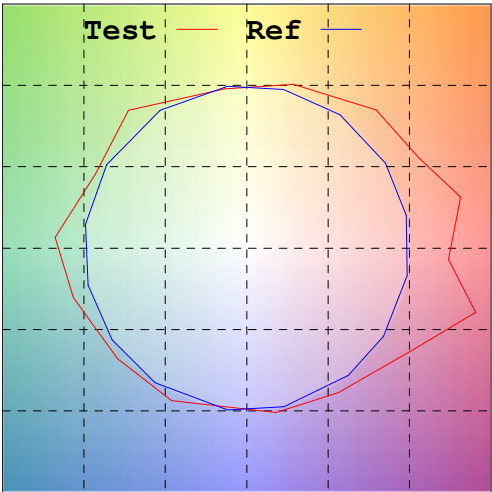
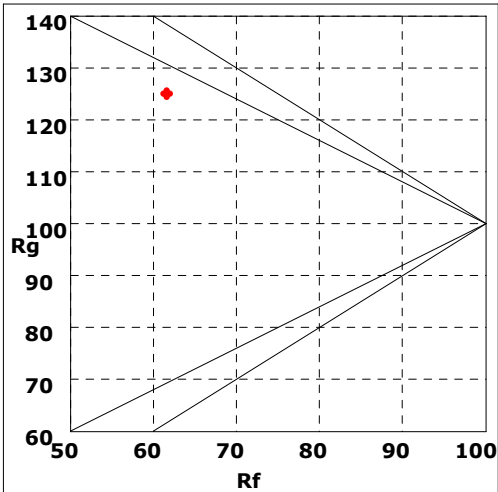
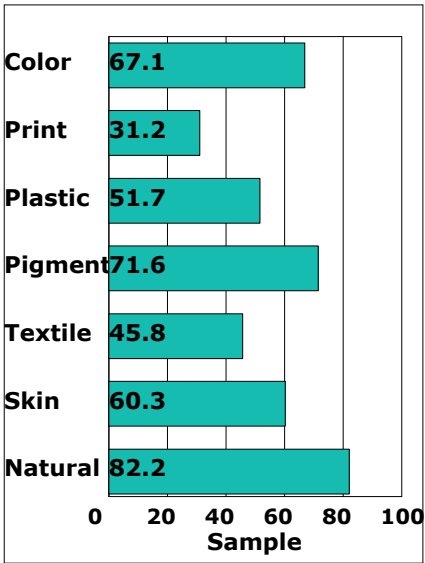
Electrical parameters:

Effic: 23.9 Lm/W	Energy: 26.0	Effi: G	
U: 220.6 V	I: 0.711 A	P: 100.200 W	Pf: 0.638

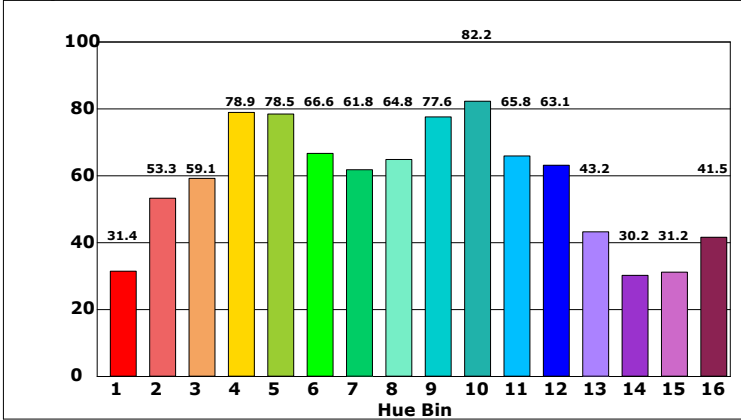
Rf: 61.6 CCT: 16099K u': 0.2132
Rg: 125.1 LER: 222.1 Duv: -0.02978 v': 0.4064



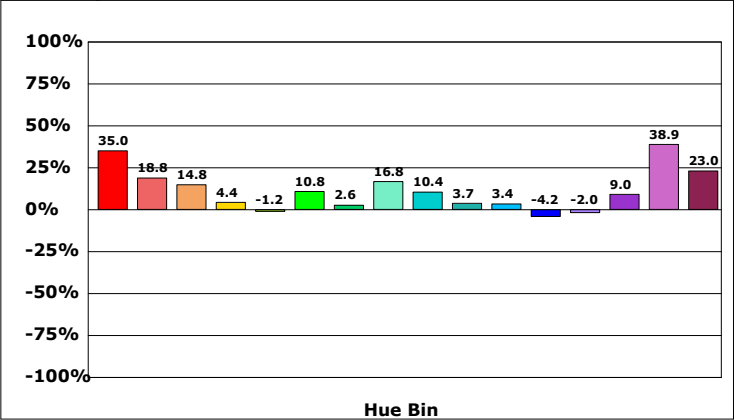
500			
Hue Bin	Rf	Chroma	Hue
1	31.4	35.0%	4.5%
2	53.3	18.8%	-8.8%
3	59.1	14.8%	-16.8%
4	78.9	4.4%	-5.4%
5	78.5	-1.2%	1.9%
6	66.6	10.8%	16.2%
7	61.8	2.6%	8.4%
8	64.8	16.8%	11.5%
9	77.6	10.4%	5.7%
10	82.2	3.7%	11.4%
11	65.8	3.4%	14.6%
12	63.1	-4.2%	29.3%
13	43.2	-2.0%	34.3%
14	30.2	9.0%	42.2%
15	31.2	38.9%	43.7%
16	41.5	23.0%	14.6%



Rf by Bue

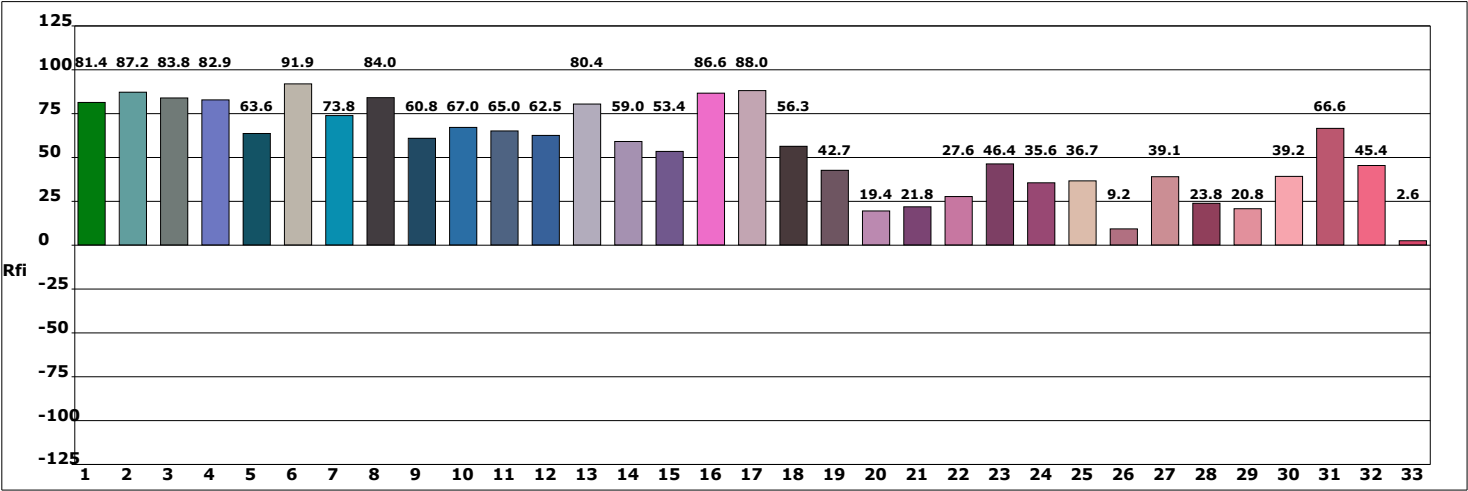
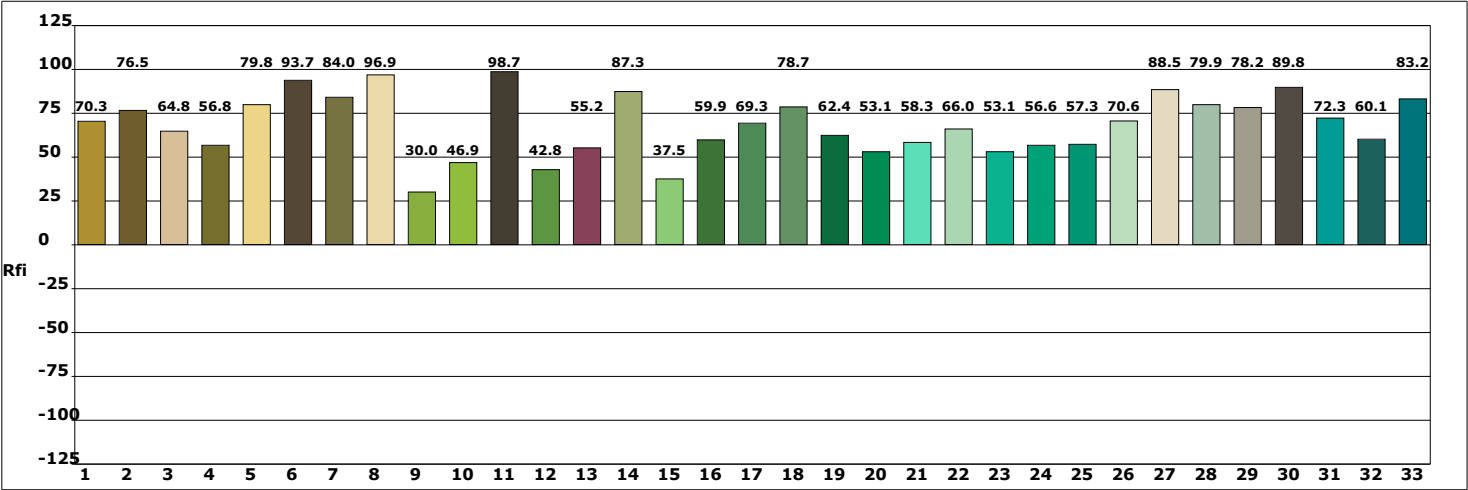
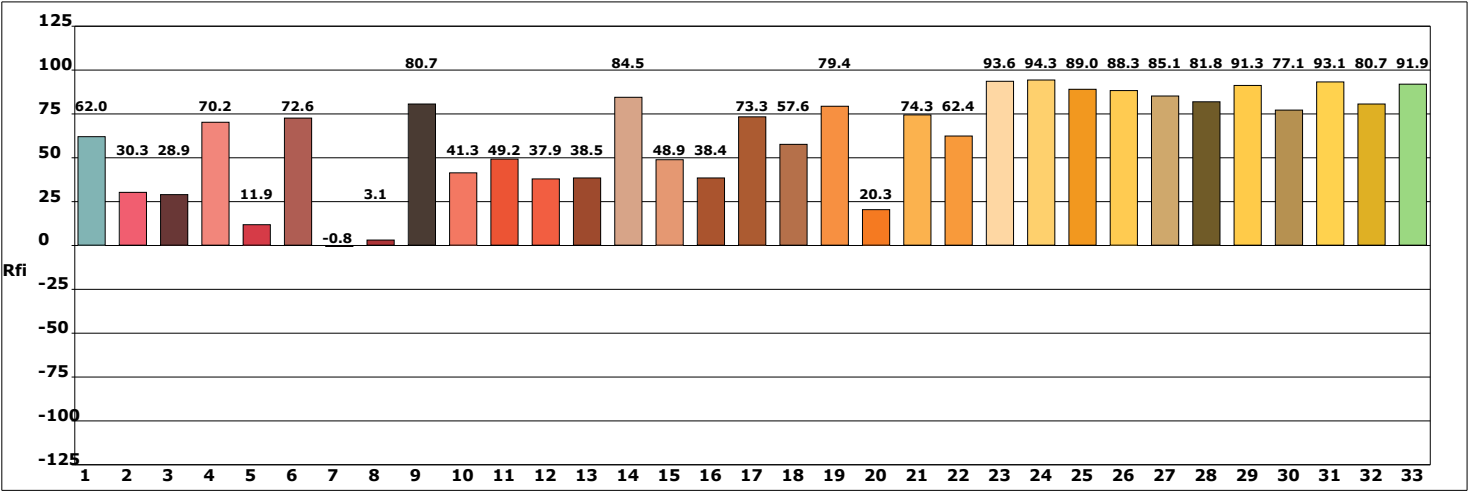


Chroma by Bue



Product model:
Product number:
Tester:
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,
Test unit:
Date of observation: 03/17/14



Product model:
Product number:
Tester:
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,
Test unit:
Date of observation: 03/17/14