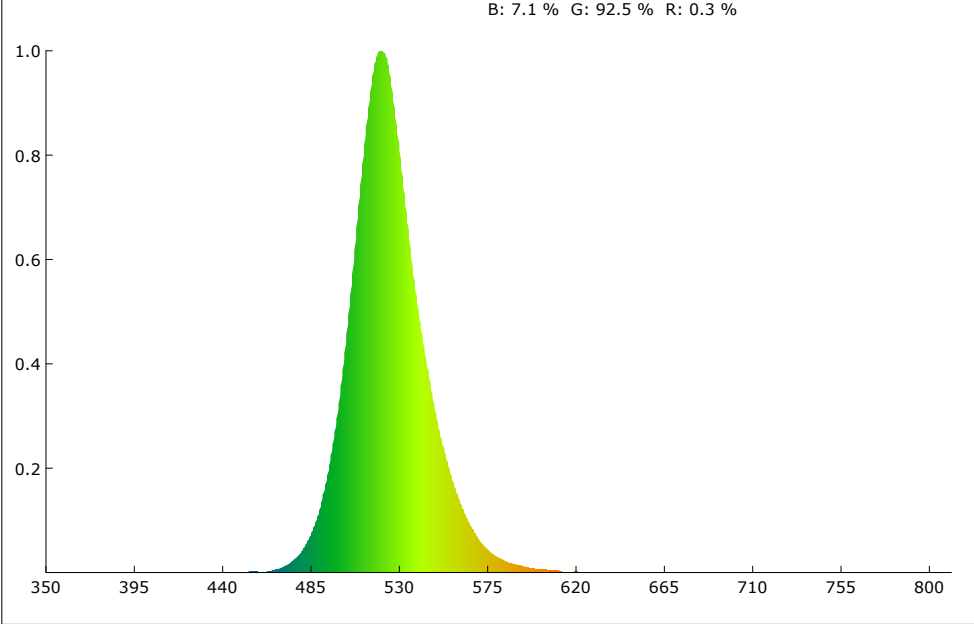
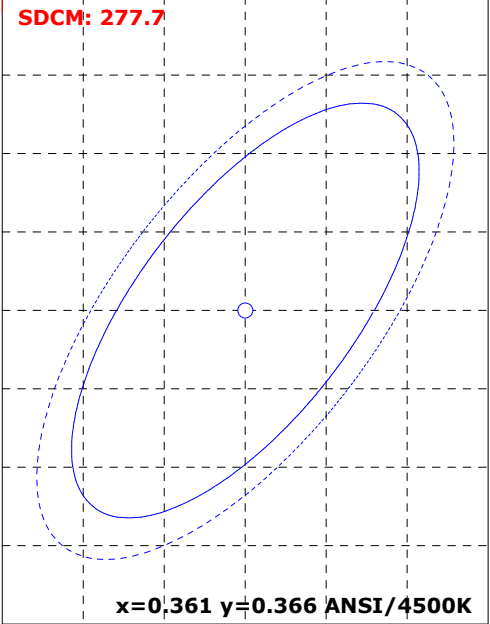


Spectrogram



SDCM



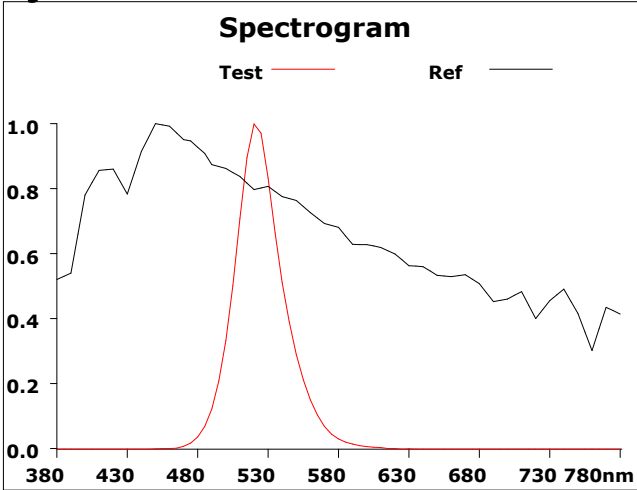
Color Parameter:

x: 0.1702	y: 0.7239	u: 0.0600	v: 0.3828	u': 0.0600	v': 0.5742		
R_ratio: 0.3 %	G_ratio: 92.5 %	B_ratio: 7.1 %	RedRatio: 0.2 %	GreenRatio: 99.2 %	BlueRatio: 0.6 %		
Ra: -23.9		AvgR: -36.6					
R1: -35.9	R2: -7.8	R3: -19.9	R4: -67.0	R5: -11.1	R6: -13.2	R7: -4.6	R8: -32.2
R9: -99.0	R10: -99.0	R11: -96.2	R12: -28.2	R13: -41.3	R14: 40.1	R15: -34.0	
CCT: 7826 K		Flux: 157.367 lm	PeakWave: 521.6 nm	SDCM: 277.7			
S/P: 2.8		CentralWave: 522.6 nm	DominantWave: 527.0 nm	CentroidWave: 525.3 nm			
HalfWidth: 34.8 nm		duv: 0.15728	purity: 80.4 %	CQS: 0.3			
LER(TM-30): 490.1		Ep: 321.1 mw	Rg: 7.6	Rf: 0.8			
Red Ep: 1.1 mw		Near red Ep: 0.0 mw	Near infrared Ep: 0.0 mw				

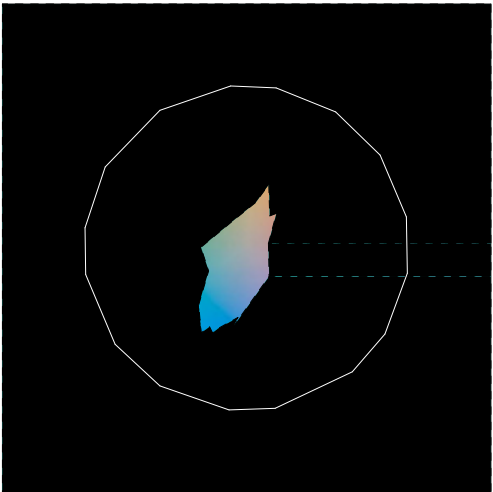
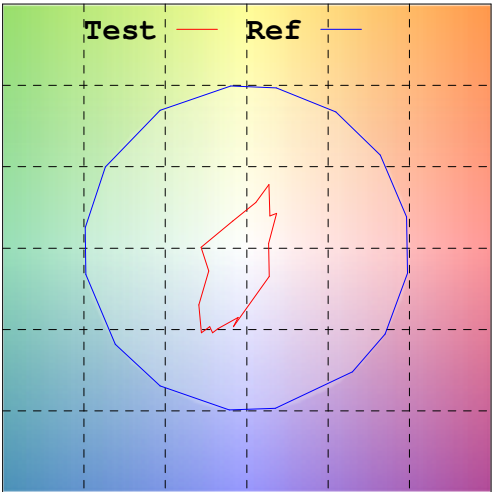
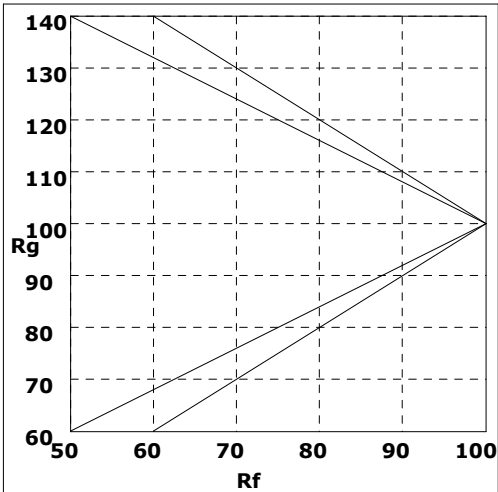
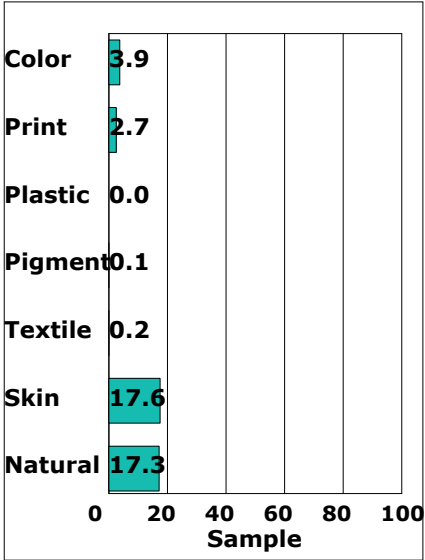
Electrical parameters:

Effic: 7.4 Lm/W	Energy: 8.1	Effi: G	
U: 220.6 V	I: 0.176 A	P: 21.250 W	Pf: 0.546

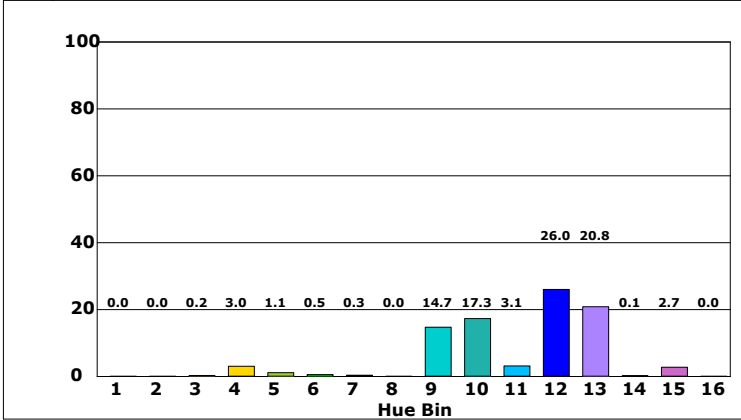
Rf: 0.8 CCT: 7826K u': 0.0600
Rg: 7.6 LER: 490.1 Duv: 0.15728 v': 0.5742



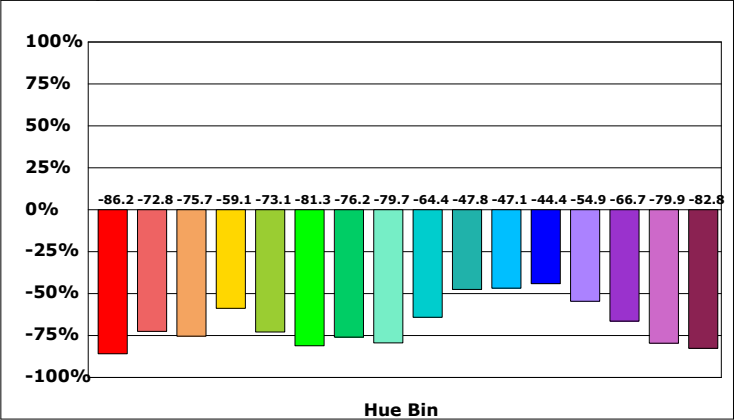
500			
Hue Bin	Rf	Chroma	Hue
1	0.0	-86.2%	0.6%
2	0.0	-72.8%	5.6%
3	0.2	-75.7%	-1.7%
4	3.0	-59.1%	-7.1%
5	1.1	-73.1%	-1.3%
6	0.5	-81.3%	0.7%
7	0.3	-76.2%	8.4%
8	0.0	-79.7%	11.3%
9	14.7	-64.4%	31.9%
10	17.3	-47.8%	23.5%
11	3.1	-47.1%	5.2%
12	26.0	-44.4%	-19.4%
13	20.8	-54.9%	-24.9%
14	0.1	-66.7%	-39.8%
15	2.7	-79.9%	-47.9%
16	0.0	-82.8%	-18.6%



Rf by Hue

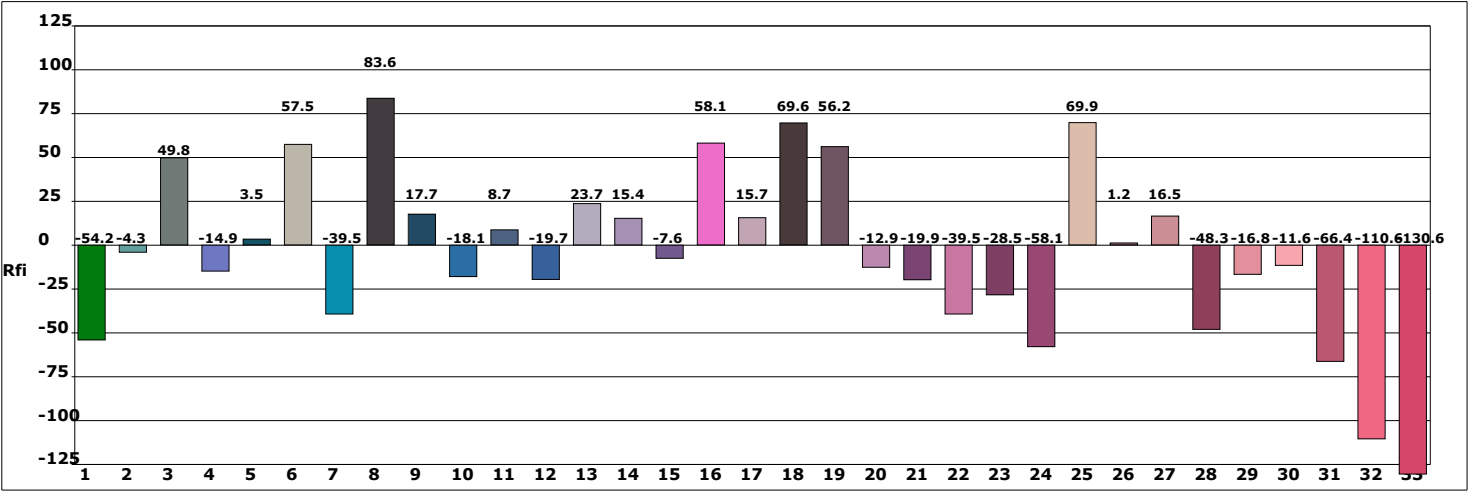
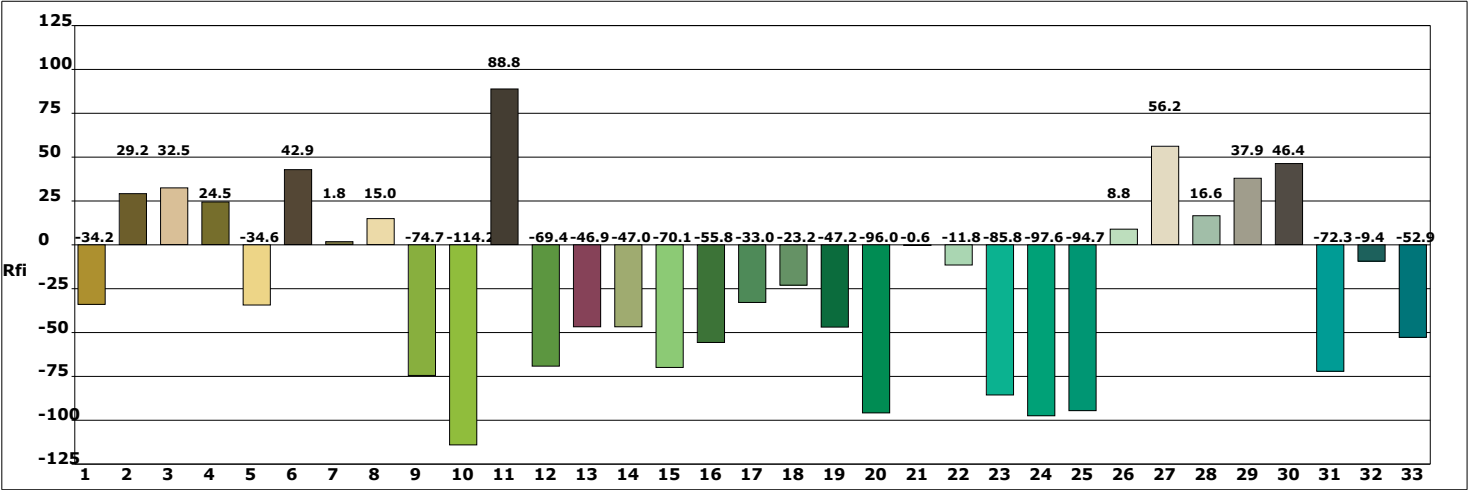
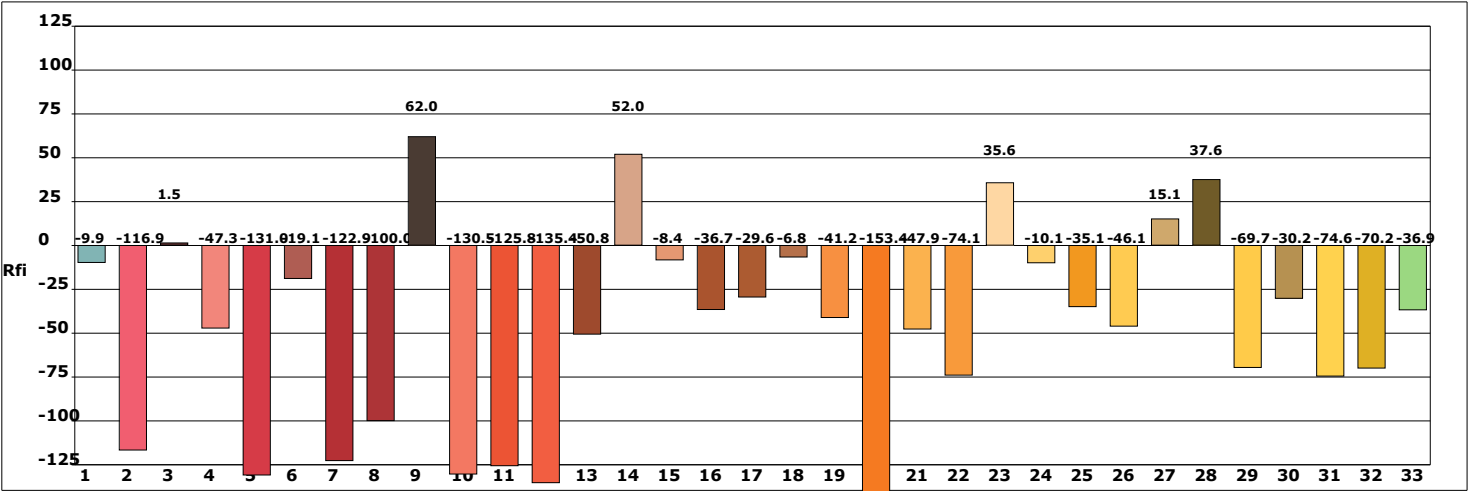


Chroma by Hue



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