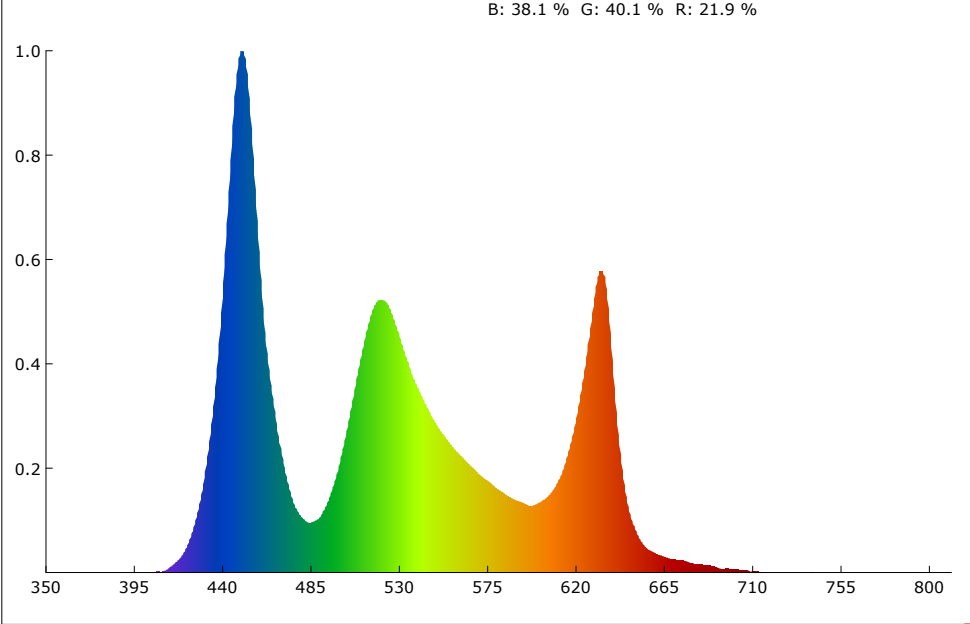
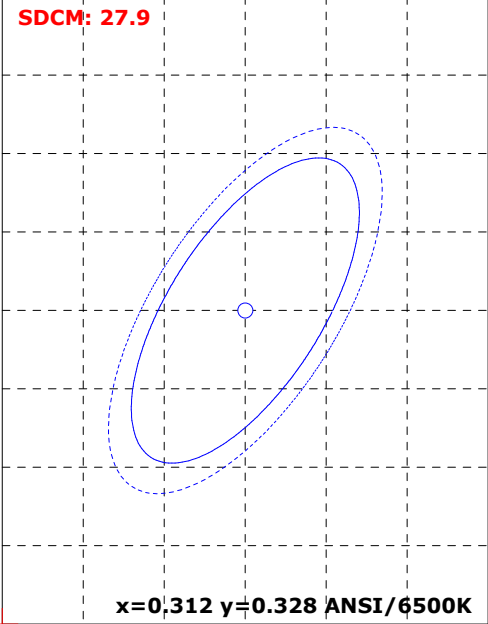


Spectrogram



SDCM



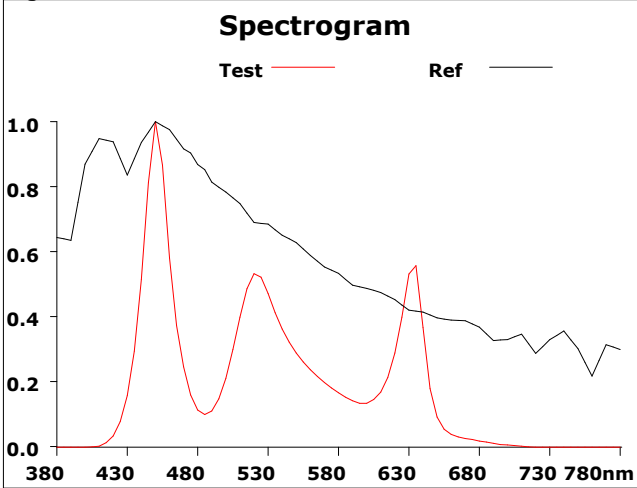
Color Parameter:

x: 0.2732	y: 0.2898	u: 0.1842	v: 0.2932	u': 0.1842	v': 0.4398
R_ratio: 21.9 %	G_ratio: 40.1 %	B_ratio: 38.1 %	RedRatio: 15.0 %	GreenRatio: 80.5 %	BlueRatio: 4.5 %
Ra: 81.1	AvgR: 74.1				
R1: 86.8	R2: 92.7	R3: 70.5	R4: 73.5	R5: 92.5	R6: 89.6
R7: 80.1	R8: 63.7	R9: 5.3	R10: 79.5	R11: 63.9	R12: 60.4
R13: 91.7	R14: 82.6	R15: 78.3			
CCT: 10779 K	Flux: 219.919 lm	PeakWave: 450.6 nm	SDCM: 27.9		
S/P: 2.8	CentralWave: 450.6 nm	DominantWave: 481.7 nm	CentroidWave: 527.3 nm		
HalfWidth: 21.0 nm	duv: 0.00549	purity: 24.1 %	CQS: 87.5		
LER(TM-30): 275.4	Ep: 798.4 mw	Rg: 108.7	Rf: 81.2		
Red Ep: 174.5 mw	Near red Ep: 0.8 mw	Near infrared Ep: 0.0 mw			

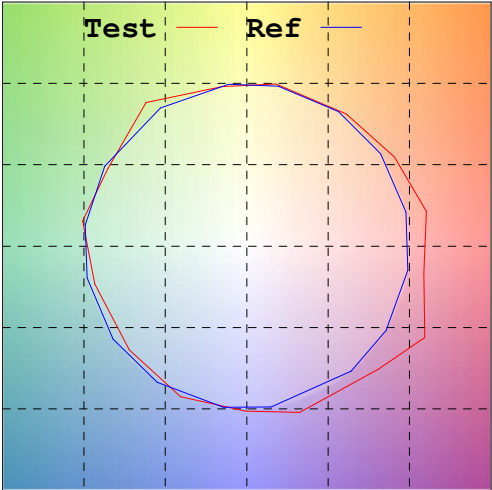
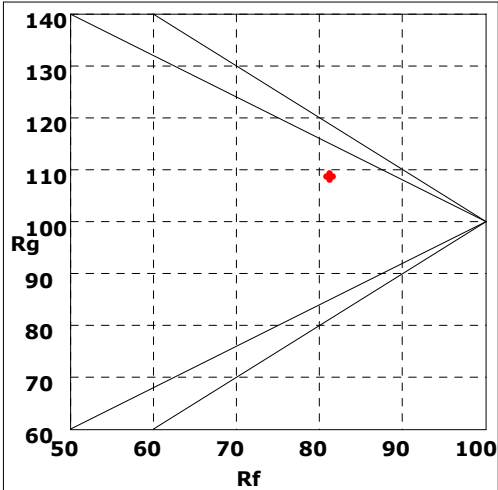
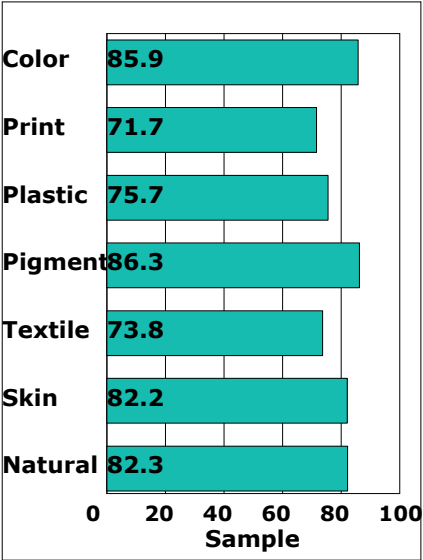
Electrical parameters:

Effic: 6.6 Lm/W	Energy: 7.2	Effi: G	
U: 220.6 V	I: 0.264 A	P: 33.270 W	Pf: 0.570

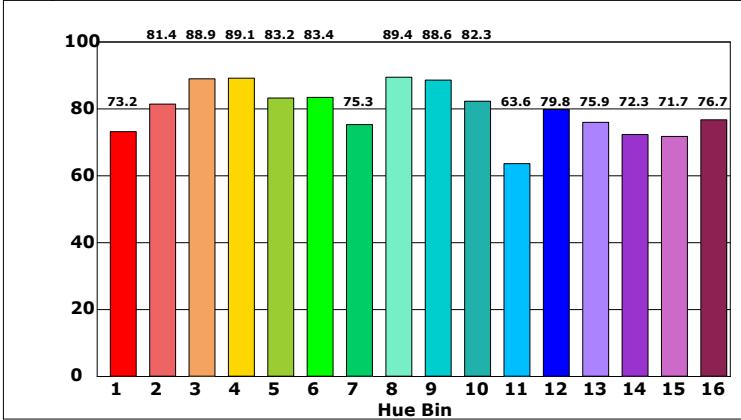
Rf: 81.2 CCT: 10779K u': 0.1842
Rg: 108.7 LER: 275.4 Duv: 0.00549 v': 0.4398



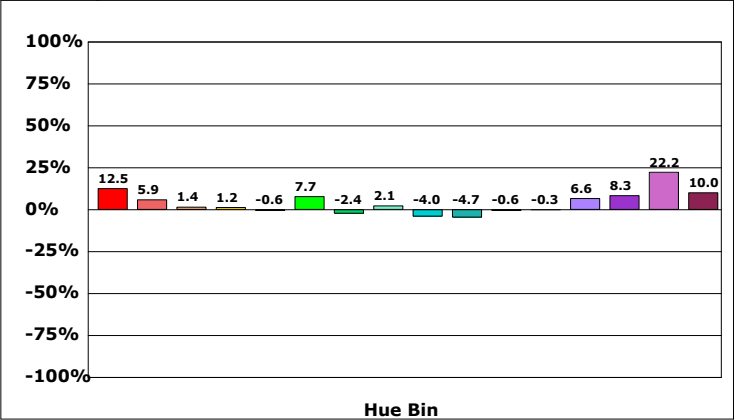
500			
Hue Bin	Rf	Chroma	Hue
1	73.2	12.5%	-2.2%
2	81.4	5.9%	-6.4%
3	88.9	1.4%	-4.9%
4	89.1	1.2%	1.6%
5	83.2	-0.6%	3.9%
6	83.4	7.7%	5.3%
7	75.3	-2.4%	0.1%
8	89.4	2.1%	-2.1%
9	88.6	-4.0%	4.5%
10	82.3	-4.7%	11.1%
11	63.6	-0.6%	16.8%
12	79.8	-0.3%	13.9%
13	75.9	6.6%	16.4%
14	72.3	8.3%	14.6%
15	71.7	22.2%	9.5%
16	76.7	10.0%	0.1%



Rf by Bue

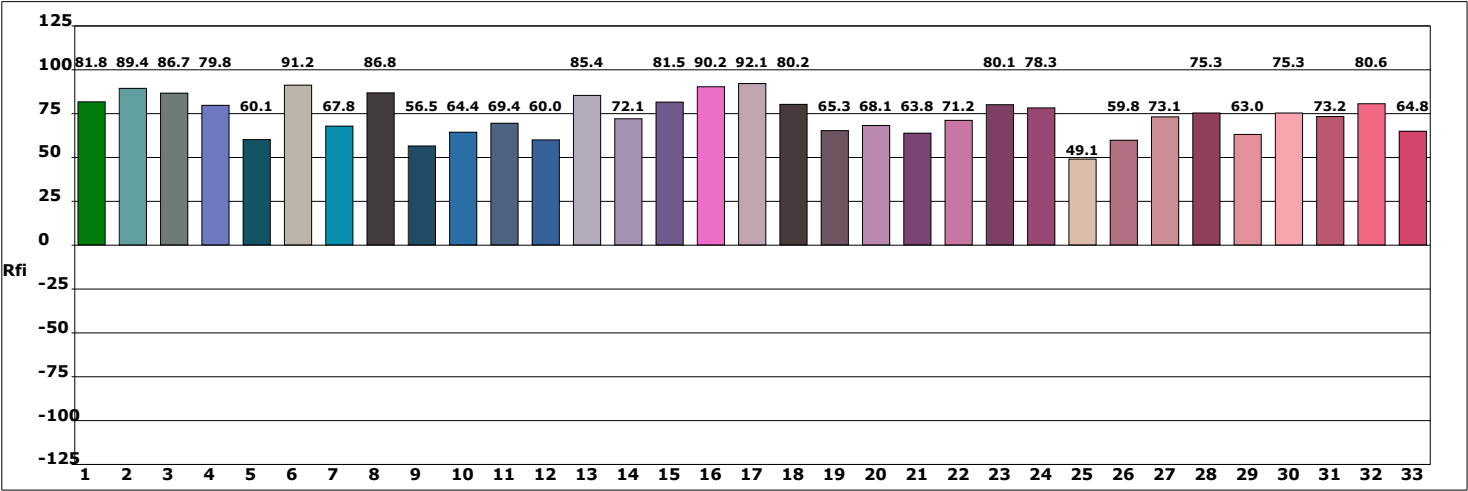
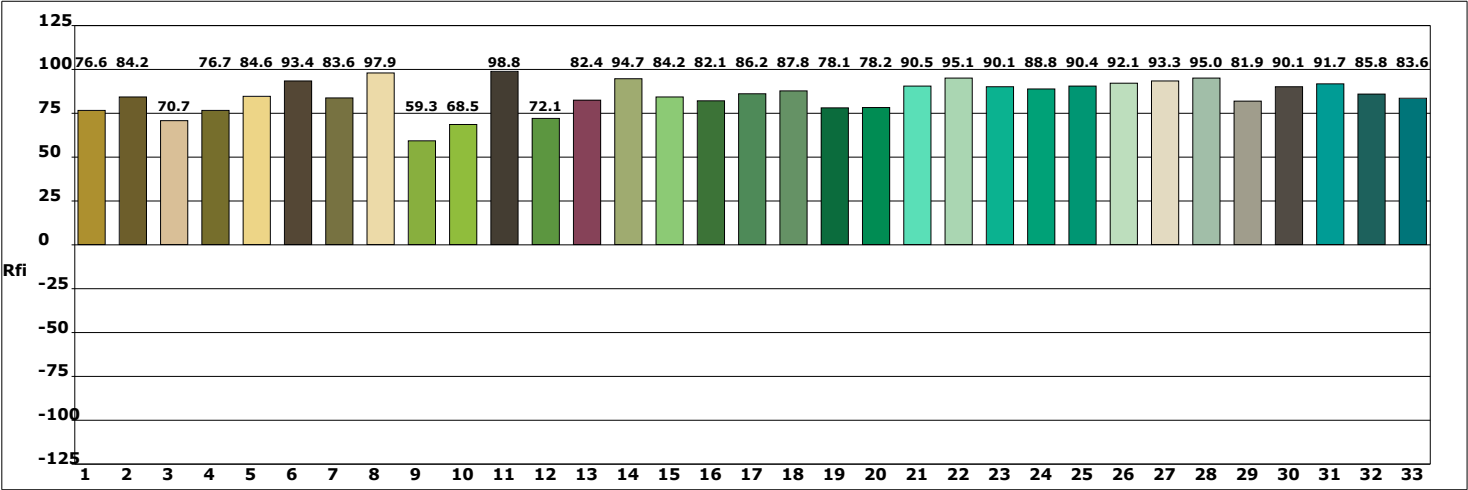
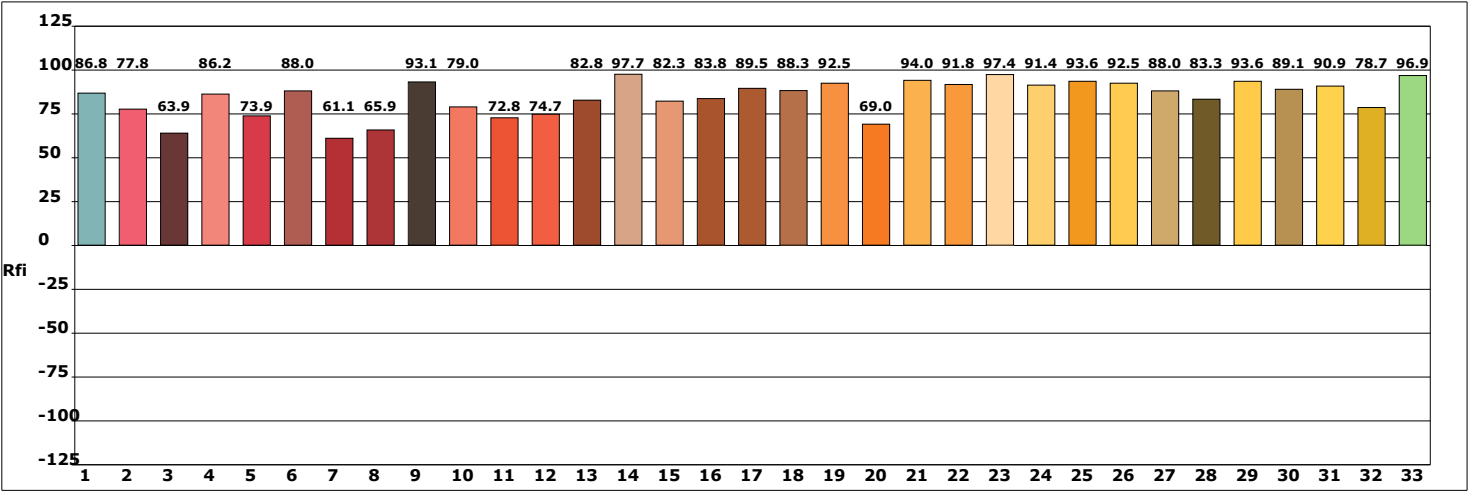


Chroma by Bue



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