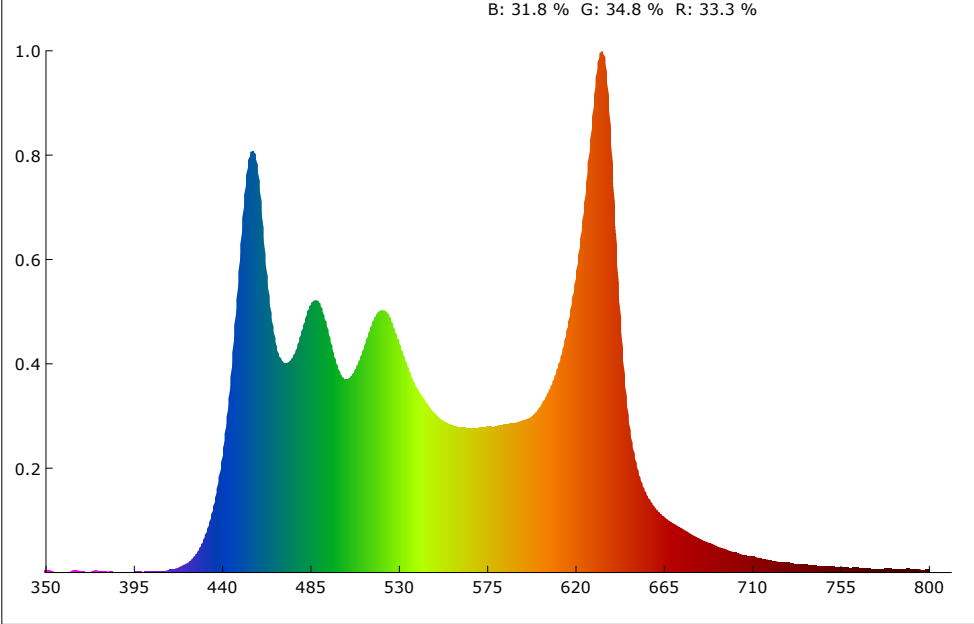
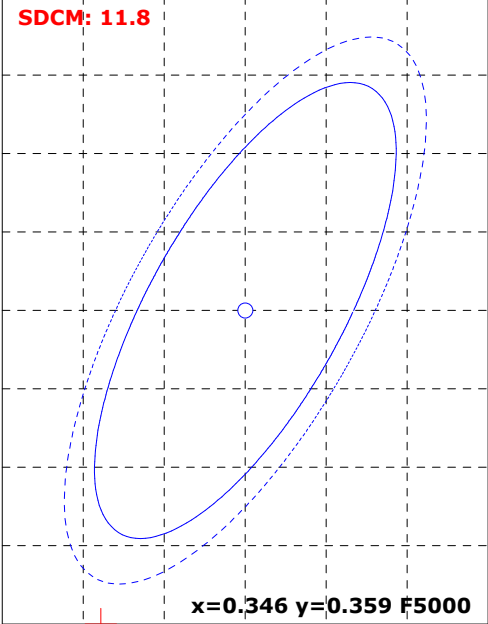


Spectrogram



SDCM



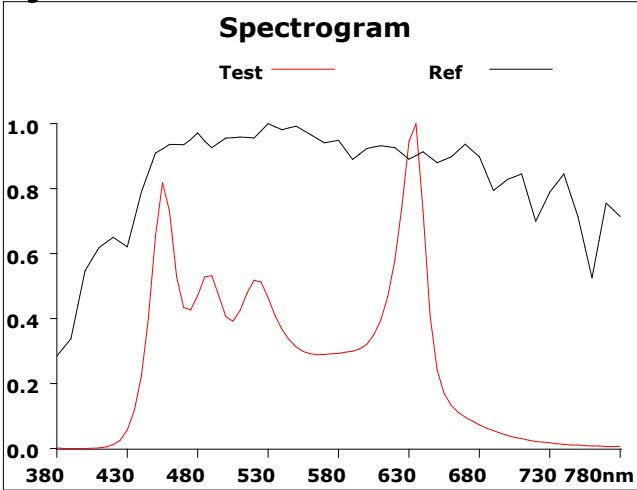
Color Parameter:

x: 0.3361	y: 0.3263	u: 0.2153	v: 0.3136	u': 0.2153	v': 0.4704
R_ratio: 33.3 %	G_ratio: 34.8 %	B_ratio: 31.8 %	RedRatio: 22.3 %	GreenRatio: 71.9 %	BlueRatio: 5.7 %
Ra: 69.1	AvgR: 59.3				
R1: 58.5	R2: 73.8	R3: 91.2	R4: 65.2	R5: 63.1	R6: 66.7
R7: 84.3	R8: 50.1	R9: -30.8	R10: 44.0	R11: 55.6	R12: 60.4
R13: 60.6	R14: 93.7	R15: 53.2			
CCT: 5318 K	Flux: 3245.858 lm	PeakWave: 633.5 nm	SDCM: 11.8		
S/P: 2.5	CentralWave: 630.1 nm	DominantWave: 0.0 nm	CentroidWave: 552.0 nm		
HalfWidth: 24.9 nm	duv: -0.00944	purity: 0.0 %	CQS: 87.1		
LER(TM-30): 268.5	Ep: 12090.9 mw	Rg: 106.8	Rf: 76.9		
Red Ep: 3965.1 mw	Near red Ep: 167.8 mw	Near infrared Ep: 18.6 mw			

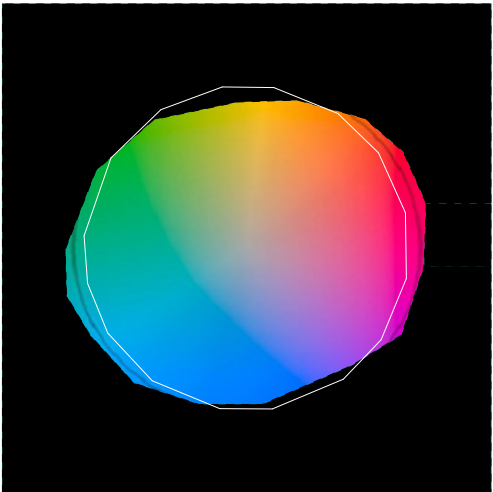
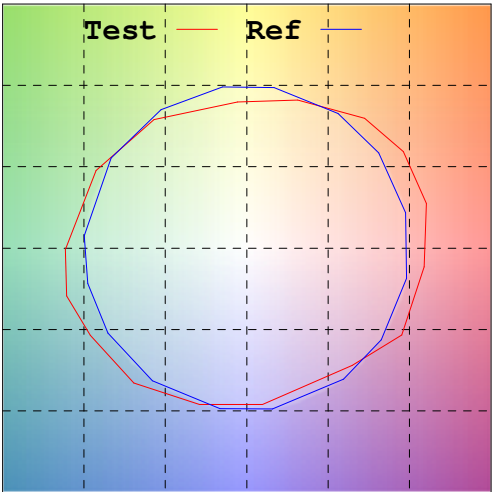
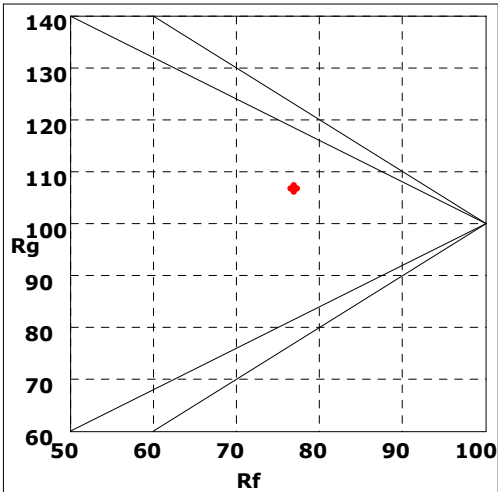
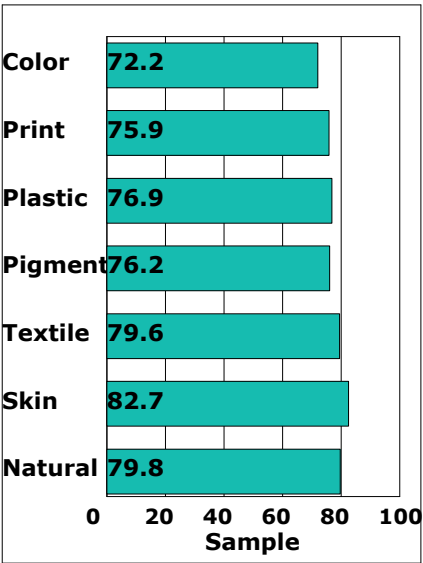
Electrical parameters:

Effic: 11.0 Lm/W	Energy: 12.0	Effi: G	
U: 218.6 V	I: 1.857 A	P: 293.800 W	Pf: 0.723

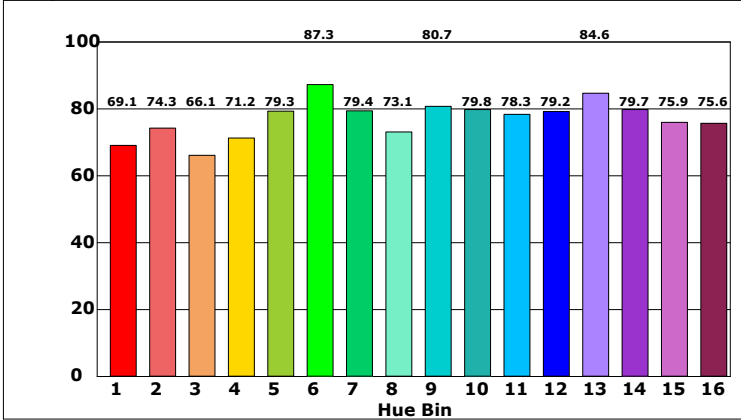
Rf: 76.9 CCT: 5318K u': 0.2153
Rg: 106.8 LER: 268.5 Duv: -0.00944 v': 0.4704



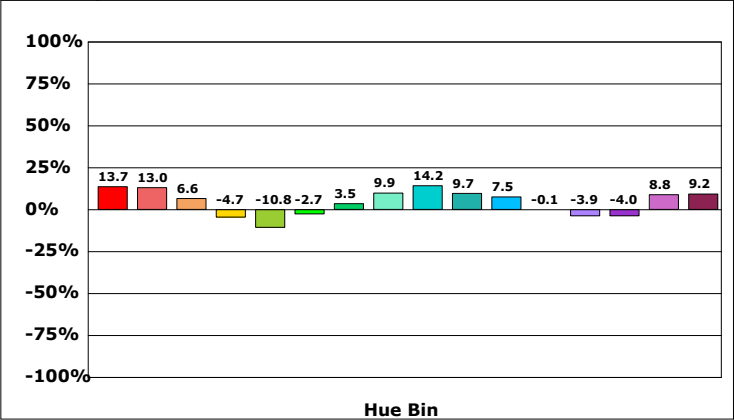
500			
Hue Bin	Rf	Chroma	Hue
1	69.1	13.7%	3.3%
2	74.3	13.0%	-7.8%
3	66.1	6.6%	-15.2%
4	71.2	-4.7%	-15.7%
5	79.3	-10.8%	-7.3%
6	87.3	-2.7%	6.8%
7	79.4	3.5%	11.5%
8	73.1	9.9%	10.6%
9	80.7	14.2%	5.1%
10	79.8	9.7%	-4.9%
11	78.3	7.5%	-8.6%
12	79.2	-0.1%	-12.8%
13	84.6	-3.9%	-5.6%
14	79.7	-4.0%	9.3%
15	75.9	8.8%	9.4%
16	75.6	9.2%	9.2%



Rf by Bue

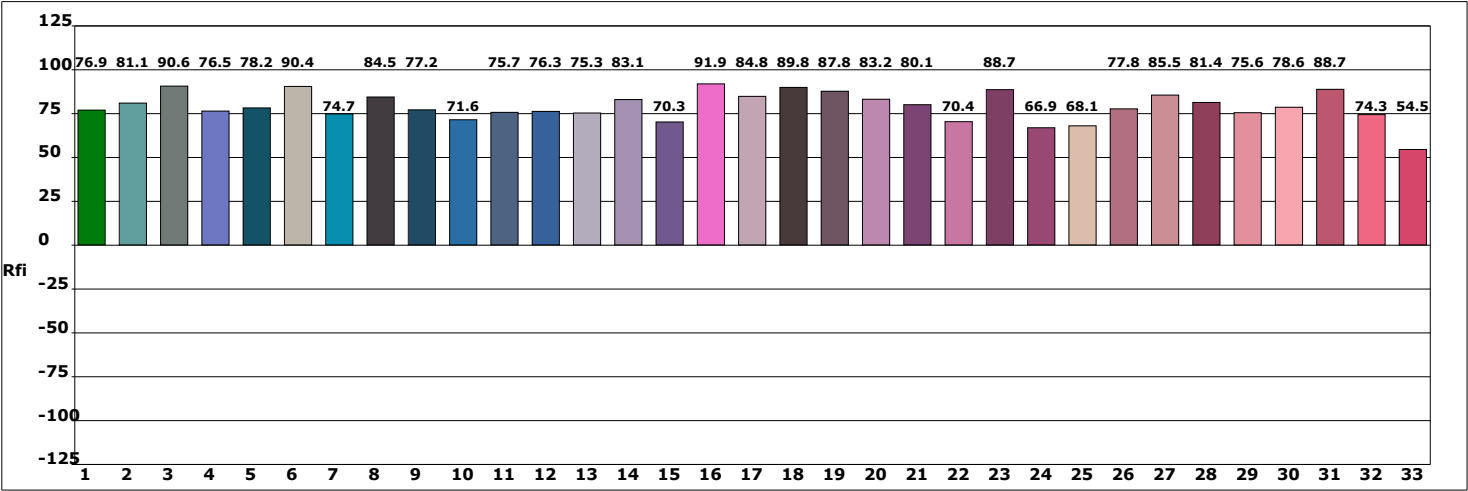
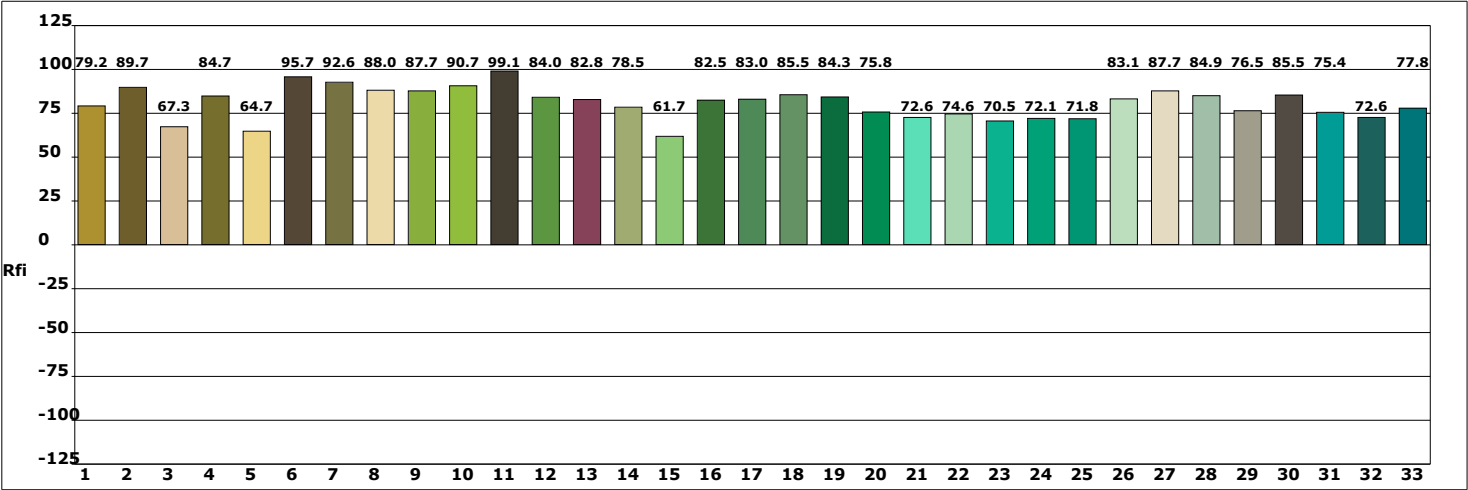
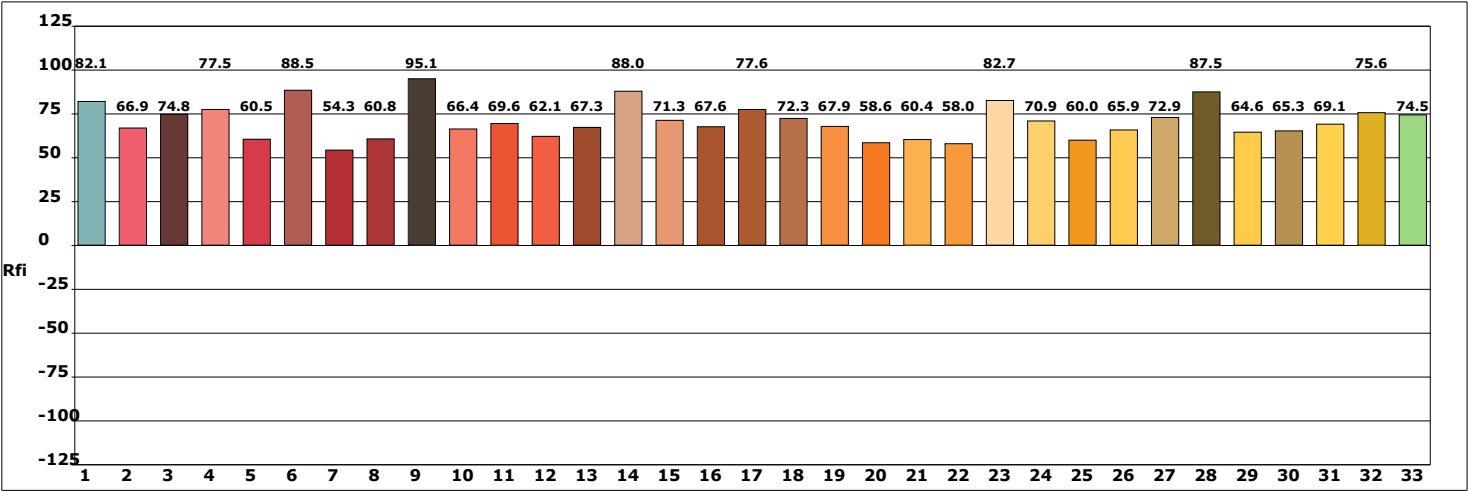


Chroma by Bue



Product model:
Product number:
Tester:
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,
Test unit:
Date of observation: 03/19/14



Product model:
Product number:
Tester:
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,
Test unit:
Date of observation: 03/19/14