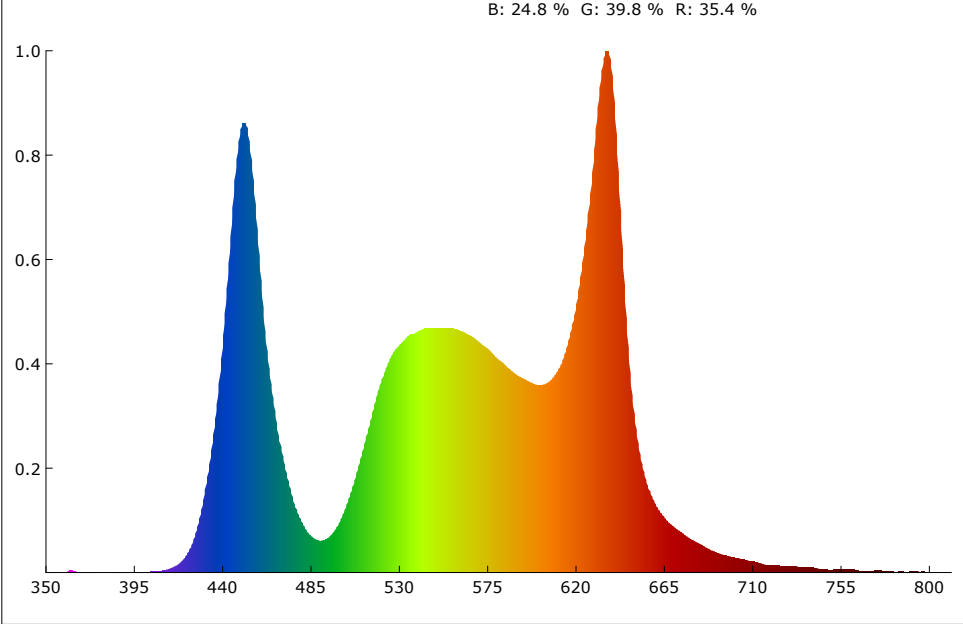
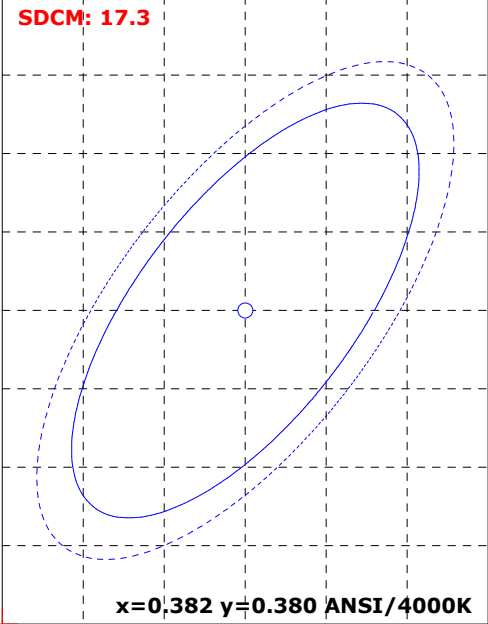


Spectrogram



SDCM



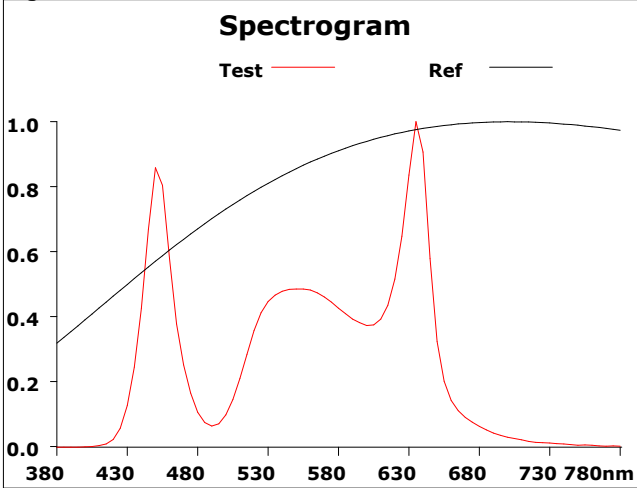
Color Parameter:

x: 0.3655	y: 0.3358	u: 0.2321	v: 0.3199	u': 0.2321	v': 0.4798
R_ratio: 35.4 %	G_ratio: 39.8 %	B_ratio: 24.8 %	RedRatio: 20.5 %	GreenRatio: 76.7 %	BlueRatio: 2.7 %
Ra: 87.4	AvgR: 83.1				
R1: 96.2	R2: 92.7	R3: 73.1	R4: 88.5	R5: 97.0	R6: 83.9
R7: 87.6	R8: 80.3	R9: 61.7	R10: 73.7	R11: 87.6	R12: 59.3
R13: 97.1	R14: 82.2	R15: 85.8			
CCT: 4134 K	Flux: 999.208 lm	PeakWave: 636.5 nm	SDCM: 17.3		
S/P: 1.7	CentralWave: 632.9 nm	DominantWave: 603.5 nm	CentroidWave: 558.9 nm		
HalfWidth: 25.3 nm	duv: -0.01587	purity: 10.4 %	CQS: 69.0		
LER(TM-30): 304.0	Ep: 3286.6 mw	Rg: 108.8	Rf: 78.2		
Red Ep: 1151.9 mw	Near red Ep: 30.5 mw	Near infrared Ep: 1.9 mw			

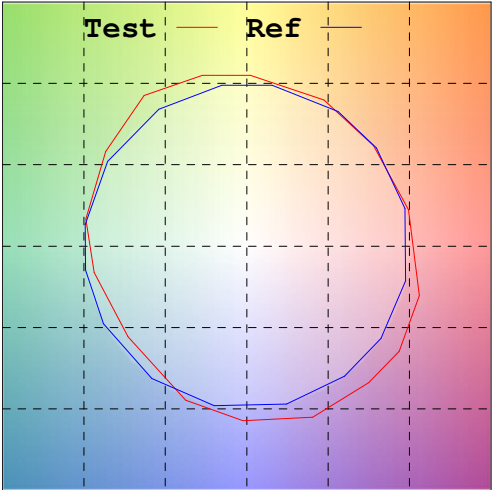
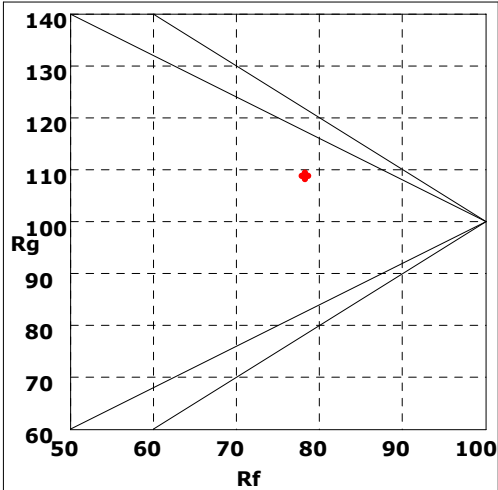
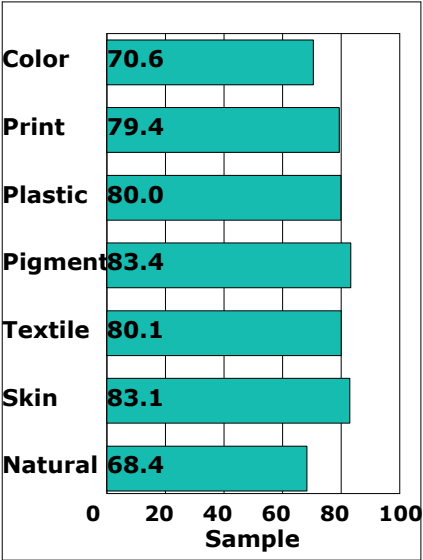
Electrical parameters:

Effic: 81.0 Lm/W	Energy: 88.3	Effi: F	
U: 220.0 V	I: 0.461 A	P: 12.330 W	Pf: 0.121

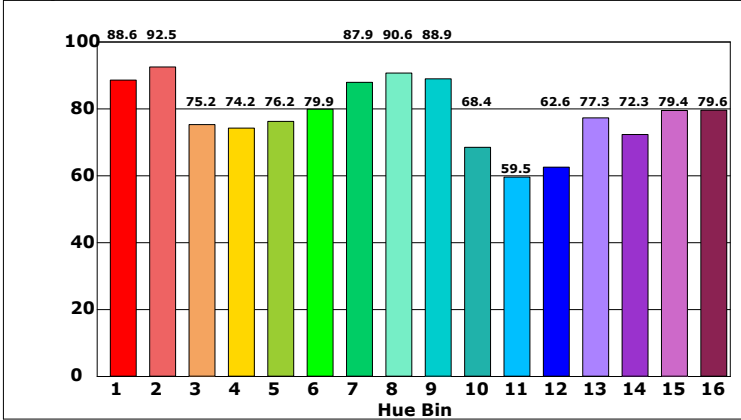
Rf: 78.2 CCT: 4134K u': 0.2321
Rg: 108.8 LER: 304.0 Duv: -0.01587 v': 0.4798



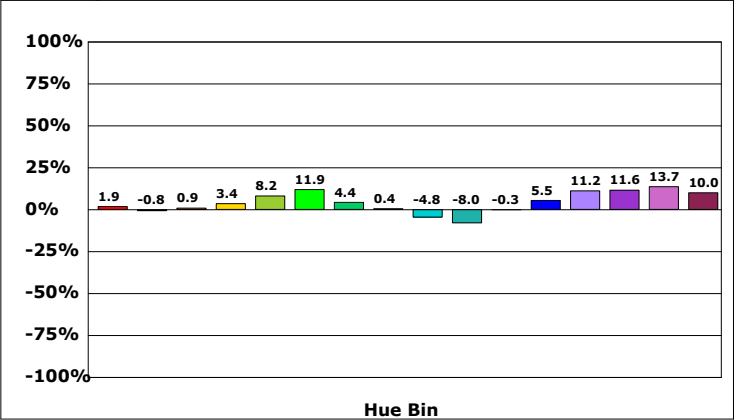
500			
Hue Bin	Rf	Chroma	Hue
1	88.6	1.9%	-1.2%
2	92.5	-0.8%	2.2%
3	75.2	0.9%	11.1%
4	74.2	3.4%	14.3%
5	76.2	8.2%	10.6%
6	79.9	11.9%	2.9%
7	87.9	4.4%	-4.4%
8	90.6	0.4%	-3.2%
9	88.9	-4.8%	2.6%
10	68.4	-8.0%	15.1%
11	59.5	-0.3%	24.8%
12	62.6	5.5%	19.2%
13	77.3	11.2%	14.3%
14	72.3	11.6%	10.3%
15	79.4	13.7%	-0.3%
16	79.6	10.0%	-7.2%



Rf by Bue

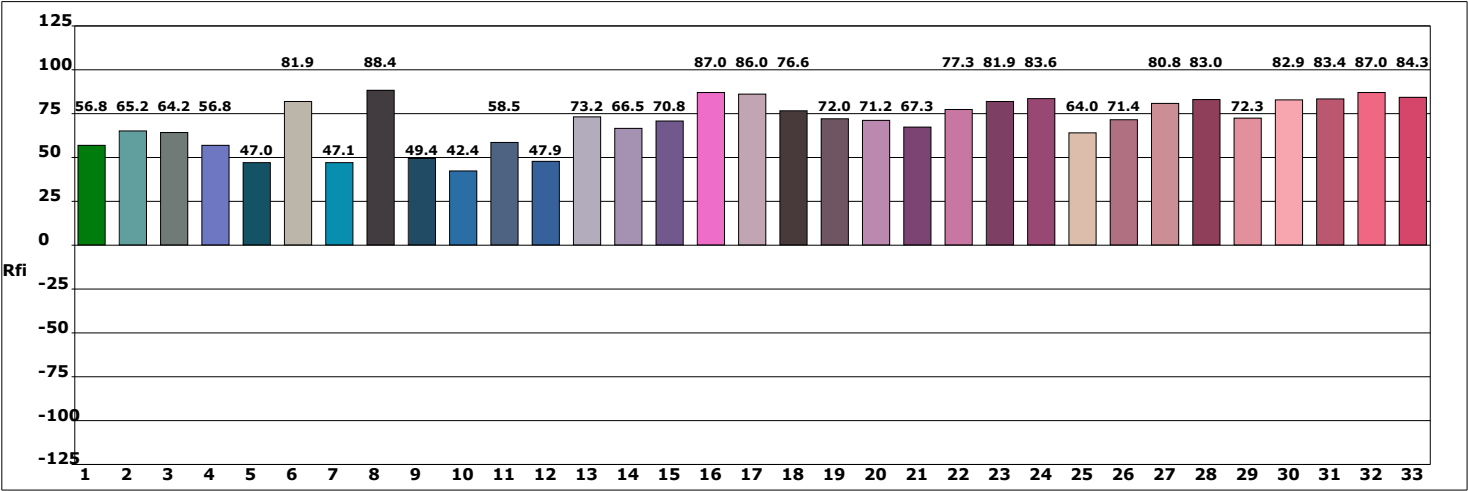
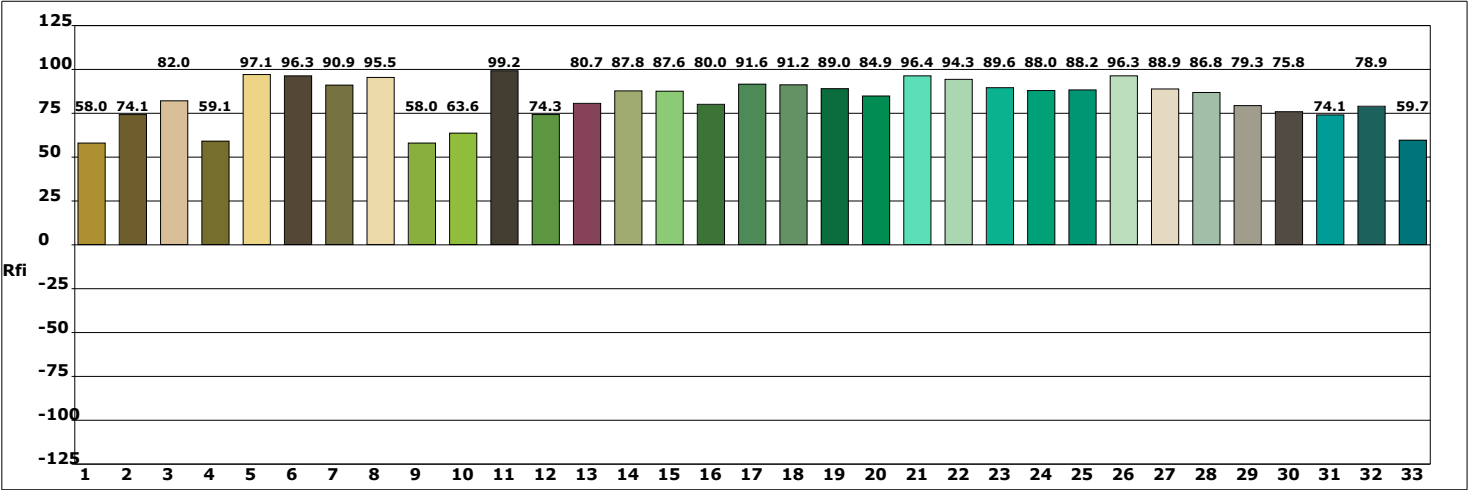
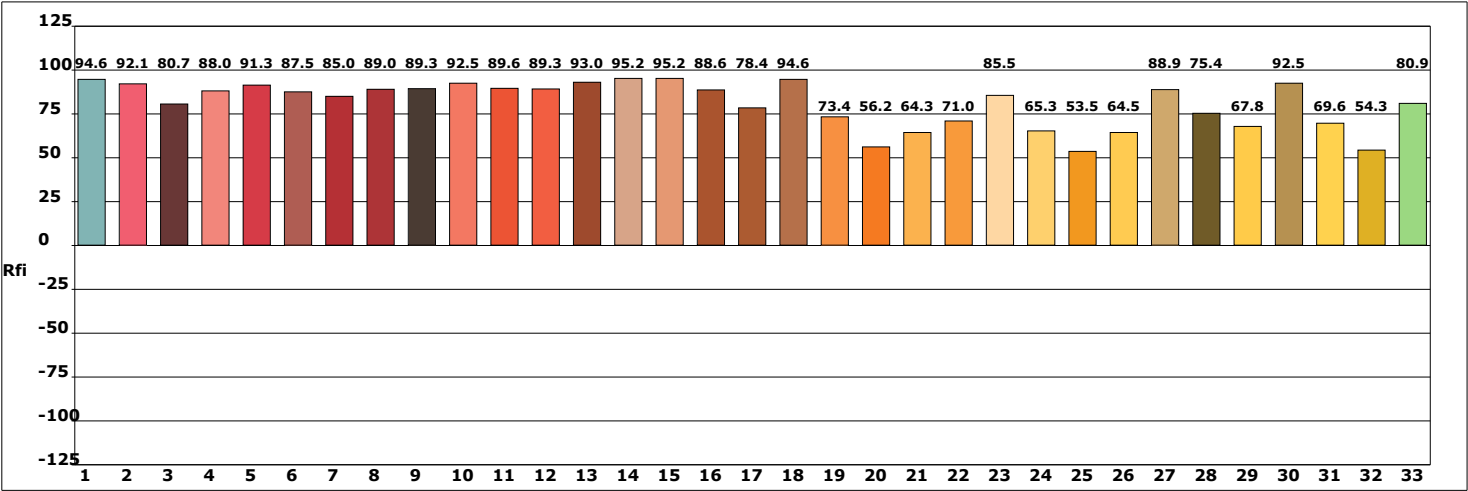


Chroma by Bue



Product model:
Product number:
Tester:
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,
Test unit:
Date of observation: 02/03/13



Product model:
Product number:
Tester:
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,
Test unit:
Date of observation: 02/03/13