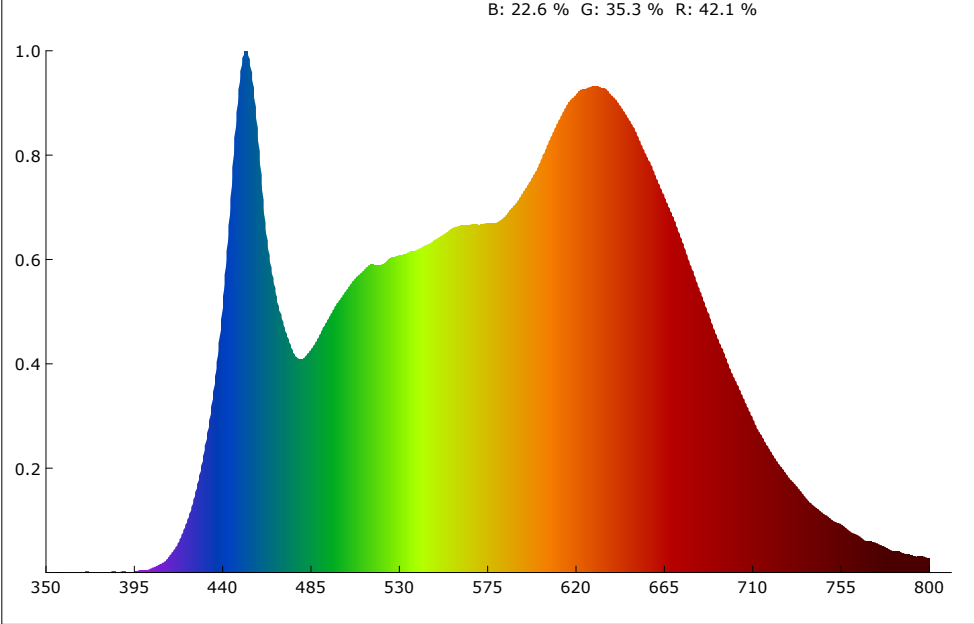
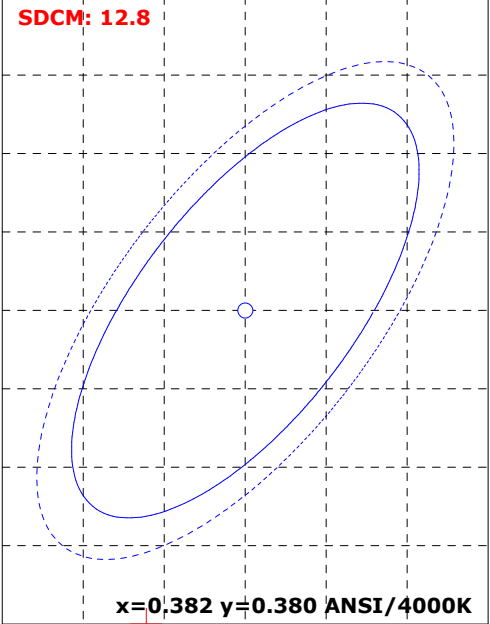


Spectrogram



SDCM



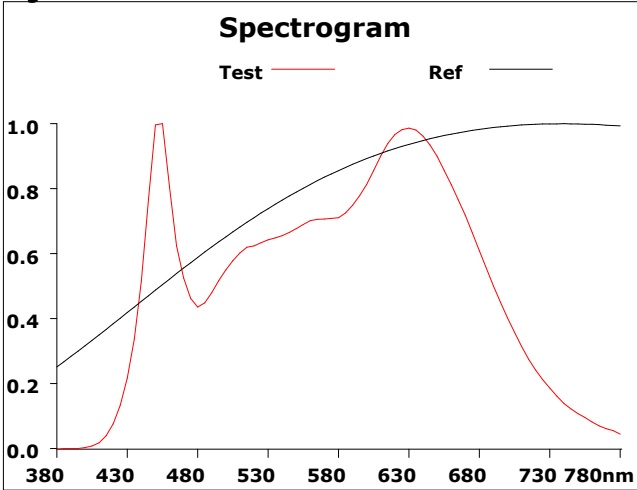
Color Parameter:

x: 0.3757	y: 0.3502	u: 0.2330	v: 0.3257	u': 0.2330	v': 0.4886		
R_ratio: 42.1 %	G_ratio: 35.3 %	B_ratio: 22.6 %	RedRatio: 21.9 %	GreenRatio: 74.7 %	BlueRatio: 3.4 %		
Ra: 92.5		AvgR: 89.8					
R1: 89.7	R2: 92.9	R3: 97.9	R4: 91.7	R5: 89.9	R6: 89.3	R7: 98.1	R8: 91.2
R9: 74.2	R10: 87.1	R11: 88.1	R12: 82.5	R13: 89.8	R14: 97.9	R15: 87.2	
CCT: 3921 K		Flux: 12149.015 lm	PeakWave: 452.3 nm	SDCM: 12.8			
S/P: 1.9		CentralWave: 455.1 nm	DominantWave: 589.3 nm	CentroidWave: 581.5 nm			
HalfWidth: 29.2 nm		duv: -0.01163	purity: 17.8 %	CQS: 85.6			
LER(TM-30): 253.3		Ep: 47969.8 mw	Rg: 105.1	Rf: 93.1			
Red Ep: 18787.0 mw		Near red Ep: 3148.0 mw	Near infrared Ep: 185.1 mw				

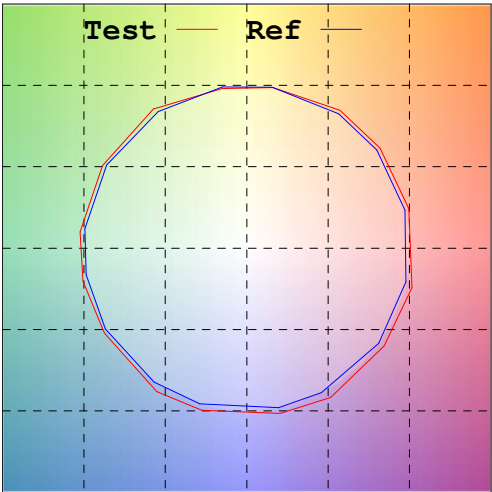
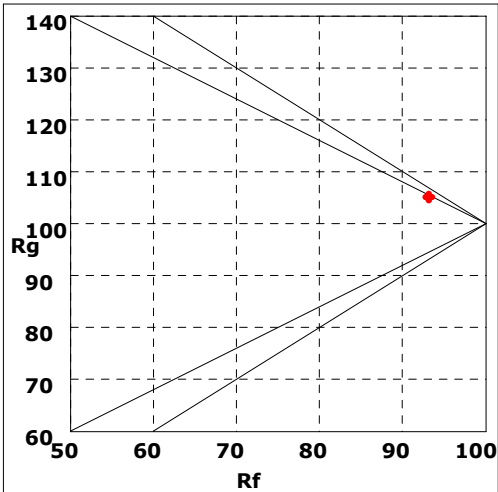
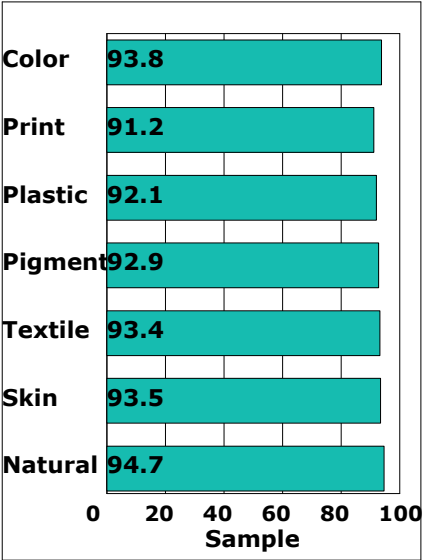
Electrical parameters:

Effic: 33.8 Lm/W	Energy: 36.9	Effi: G	
U: 221.1 V	I: 1.644 A	P: 359.000 W	Pf: 0.988

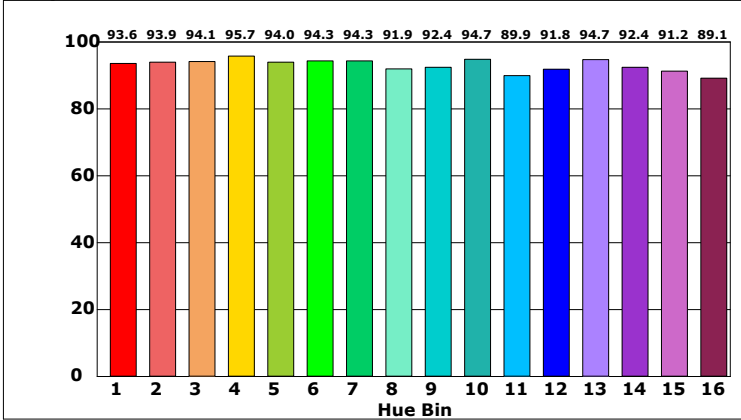
Rf: 93.1 CCT: 3921K u': 0.2330
Rg: 105.1 LER: 253.3 Duv: -0.01163 v': 0.4886



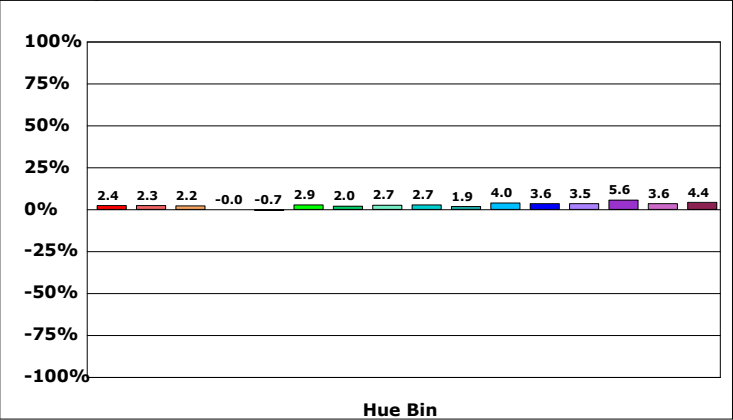
500			
Hue Bin	Rf	Chroma	Hue
1	93.6	2.4%	0.5%
2	93.9	2.3%	-0.1%
3	94.1	2.2%	0.5%
4	95.7	-0.0%	-0.5%
5	94.0	-0.7%	0.4%
6	94.3	2.9%	1.6%
7	94.3	2.0%	1.7%
8	91.9	2.7%	2.5%
9	92.4	2.7%	3.5%
10	94.7	1.9%	2.0%
11	89.9	4.0%	4.8%
12	91.8	3.6%	2.0%
13	94.7	3.5%	0.3%
14	92.4	5.6%	3.1%
15	91.2	3.6%	0.6%
16	89.1	4.4%	-2.9%



Rf by Bue

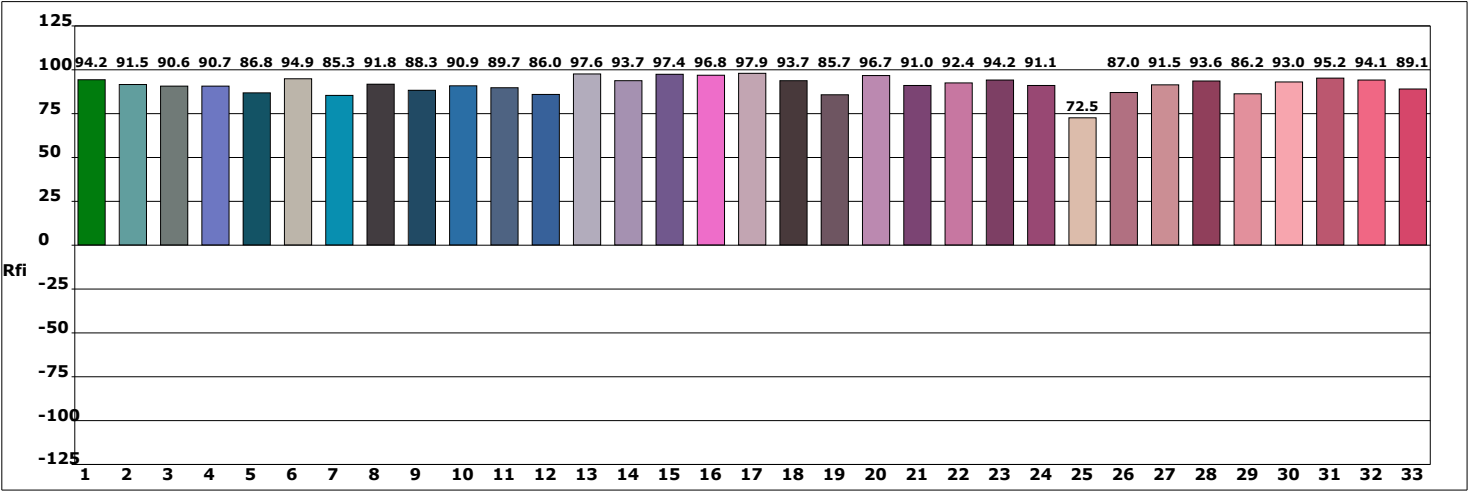
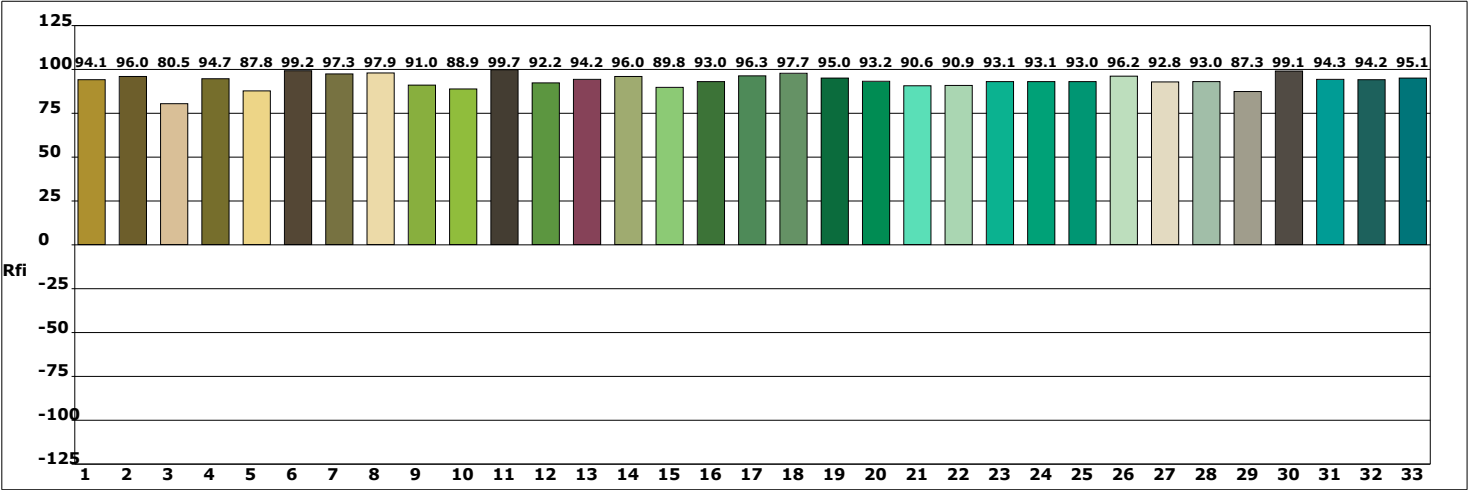
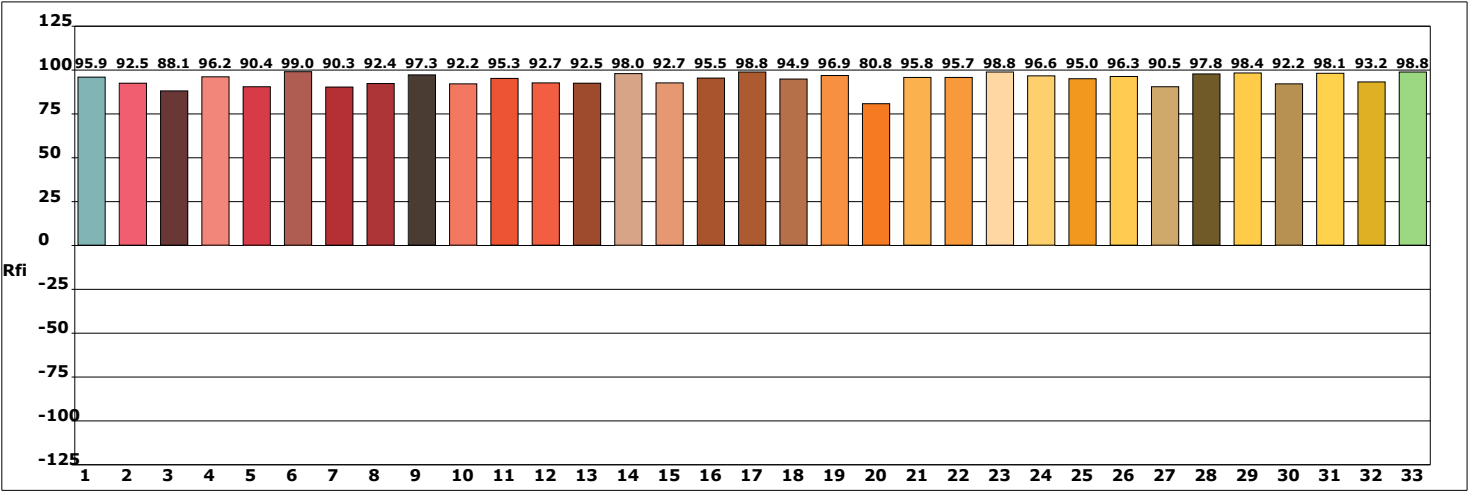


Chroma by Bue



Product model:
Product number:
Tester:
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,
Test unit:
Date of observation: 07/16/14



Product model:
Product number:
Tester:
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,
Test unit:
Date of observation: 07/16/14