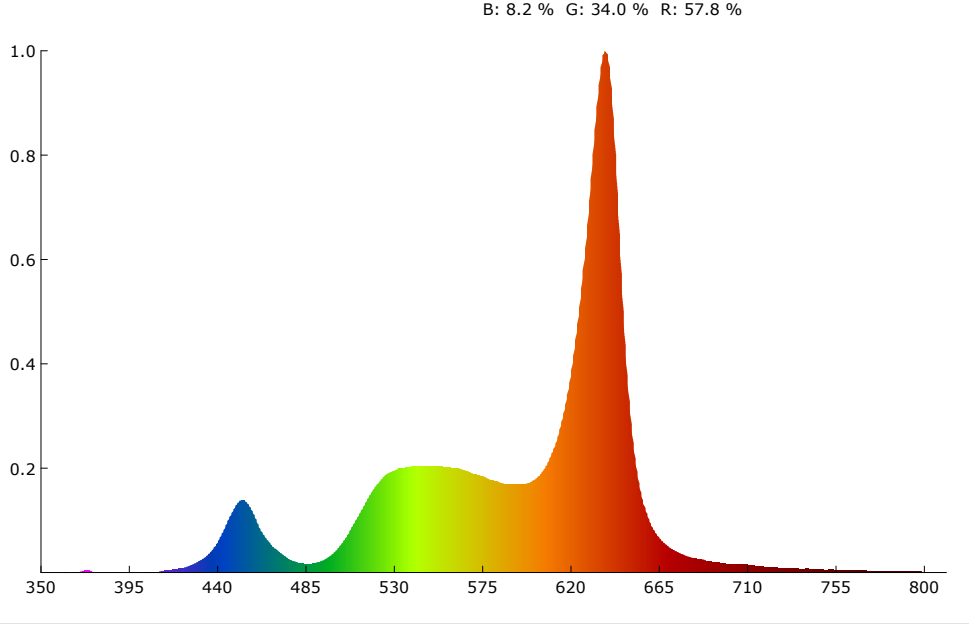
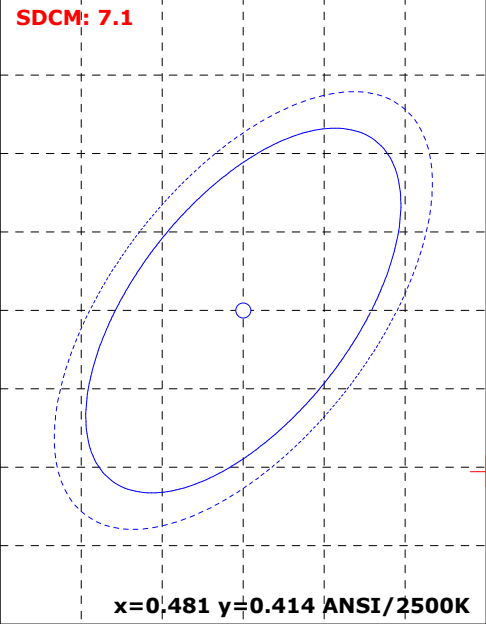


Spectrogram



SDCM



Color Parameter:

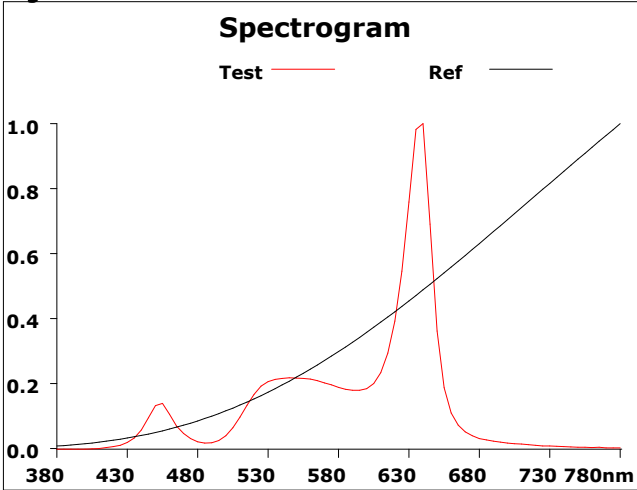
x: 0.4792	y: 0.3998	u: 0.2803	v: 0.3507	u': 0.2803	v': 0.5260
R_ratio: 57.8 %	G_ratio: 34.0 %	B_ratio: 8.2 %	RedRatio: 31.9 %	GreenRatio: 67.2 %	BlueRatio: 1.0 %
Ra: 77.5	AvgR: 75.0				
R1: 75.9	R2: 94.9	R3: 70.5	R4: 70.5	R5: 79.6	R6: 94.5
R7: 79.9	R8: 54.4	R9: 20.5	R10: 96.8	R11: 65.6	R12: 92.2
R13: 80.2	R14: 79.2	R15: 70.5			

CCT: 2370 K	Flux: 923.977 lm	PeakWave: 637.5 nm	SDCM: 7.1
S/P: 1.1	CentralWave: 635.7 nm	DominantWave: 587.8 nm	CentroidWave: 594.6 nm
HalfWidth: 22.4 nm	duv: -0.00496	purity: 63.8 %	CQS: 89.4
LER(TM-30): 294.0	Ep: 3143.1 mw	Rg: 117.8	Rf: 81.6
Red Ep: 1788.1 mw	Near red Ep: 43.2 mw	Near infrared Ep: 4.4 mw	

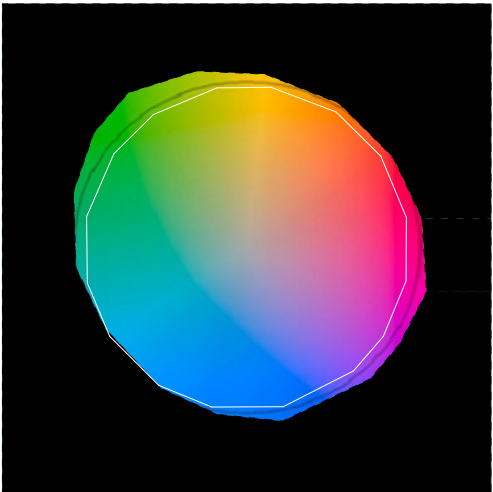
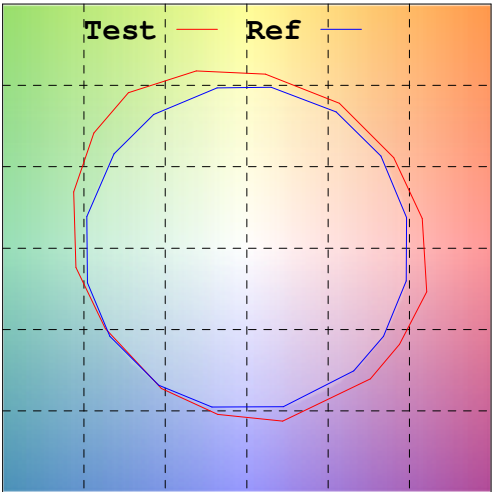
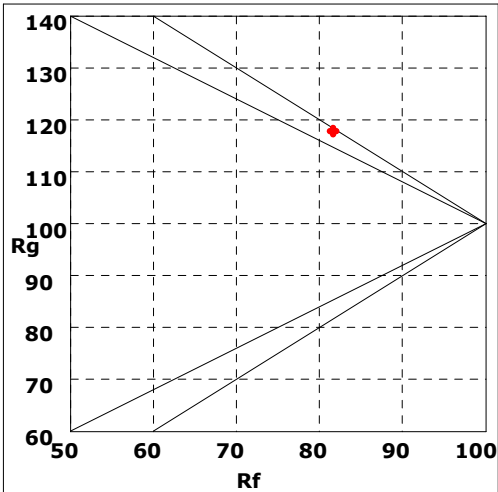
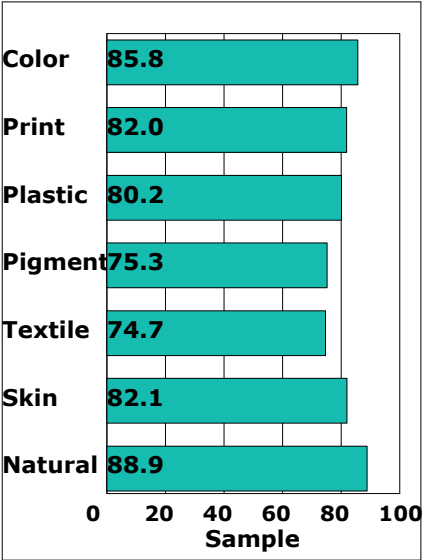
Electrical parameters:

Effic: 78.8 Lm/W	Energy: 85.8	Effi: F	
U: 220.1 V	I: 0.441 A	P: 11.730 W	Pf: 0.120

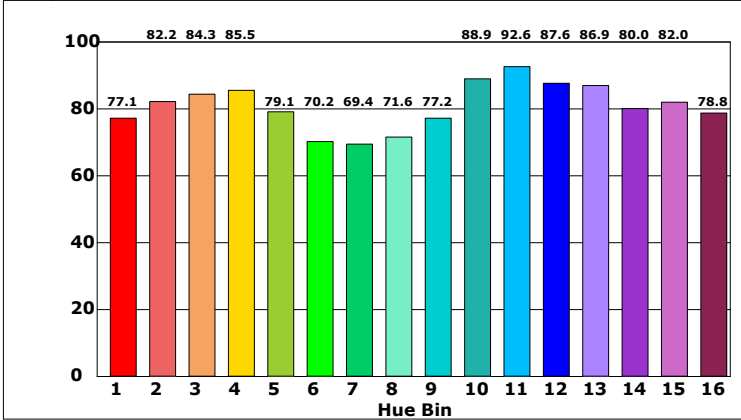
Rf: 81.6 CCT: 2370K u': 0.2803
Rg: 117.8 LER: 294.0 Duv: -0.00496 v': 0.5260



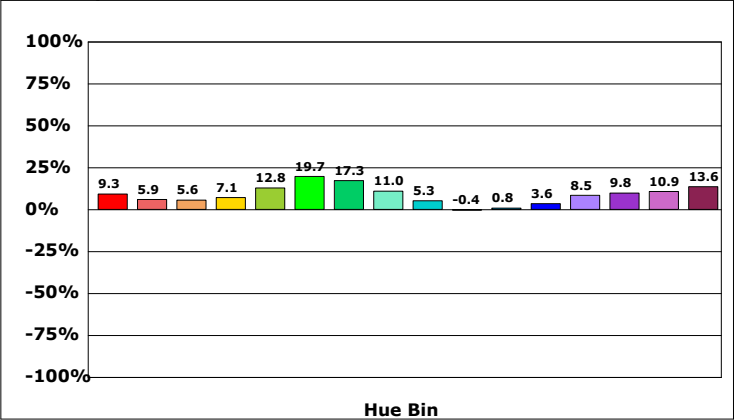
500			
Hue Bin	Rf	Chroma	Hue
1	77.1	9.3%	-2.6%
2	82.2	5.9%	-5.2%
3	84.3	5.6%	1.3%
4	85.5	7.1%	5.1%
5	79.1	12.8%	10.5%
6	70.2	19.7%	5.4%
7	69.4	17.3%	-3.7%
8	71.6	11.0%	-13.4%
9	77.2	5.3%	-10.6%
10	88.9	-0.4%	-5.5%
11	92.6	0.8%	2.4%
12	87.6	3.6%	4.3%
13	86.9	8.5%	-2.1%
14	80.0	9.8%	5.8%
15	82.0	10.9%	1.1%
16	78.8	13.6%	-3.9%



Rf by Bue

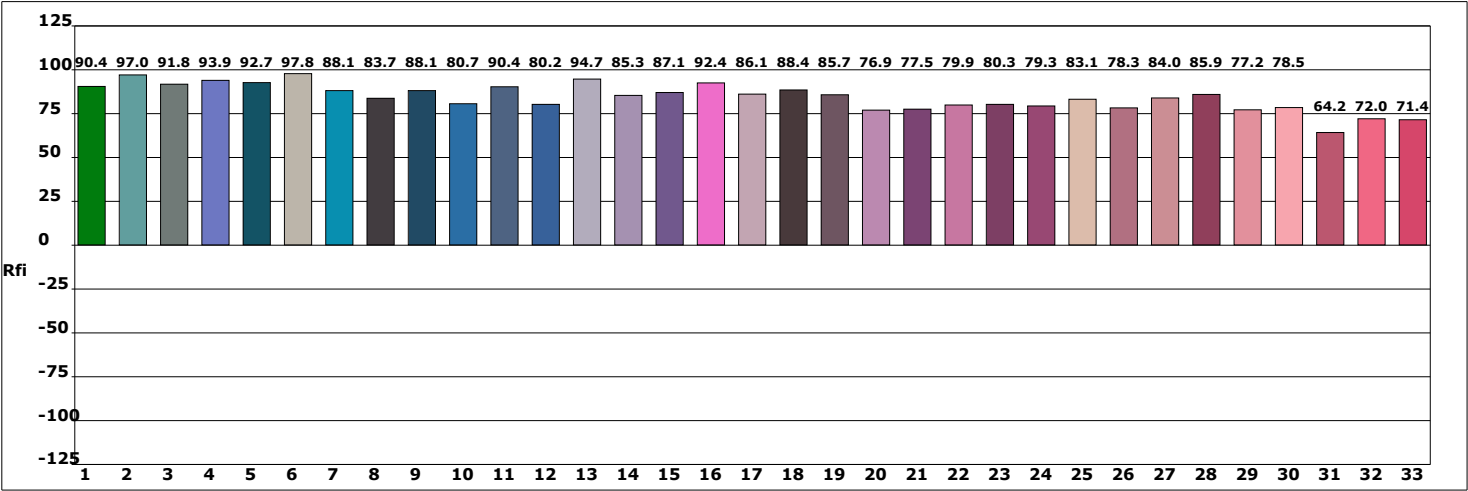
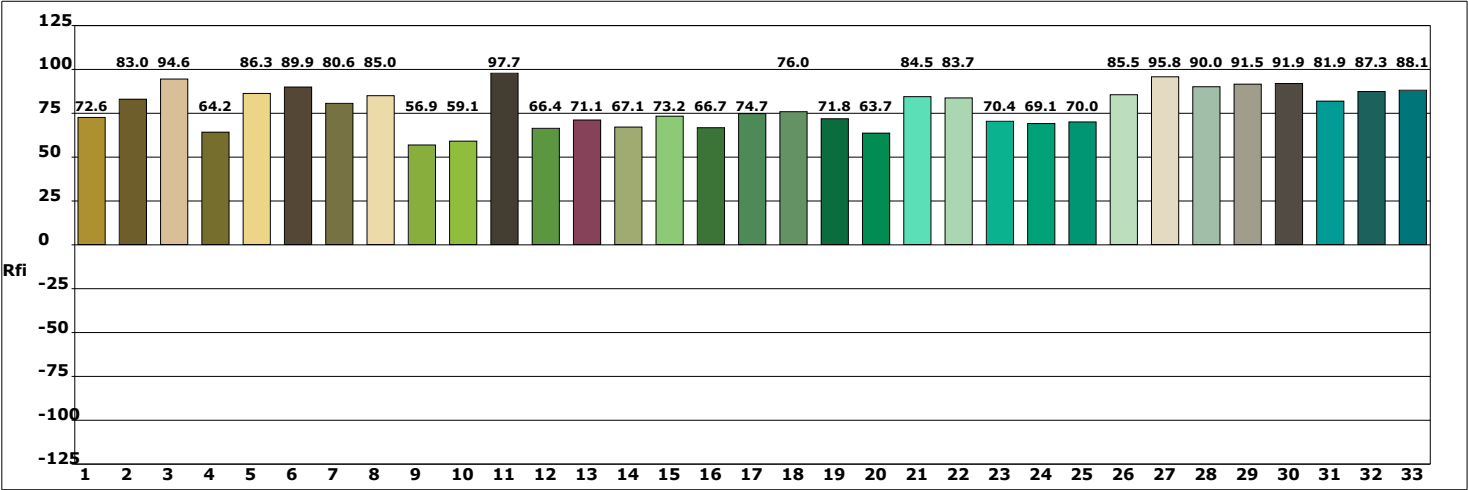
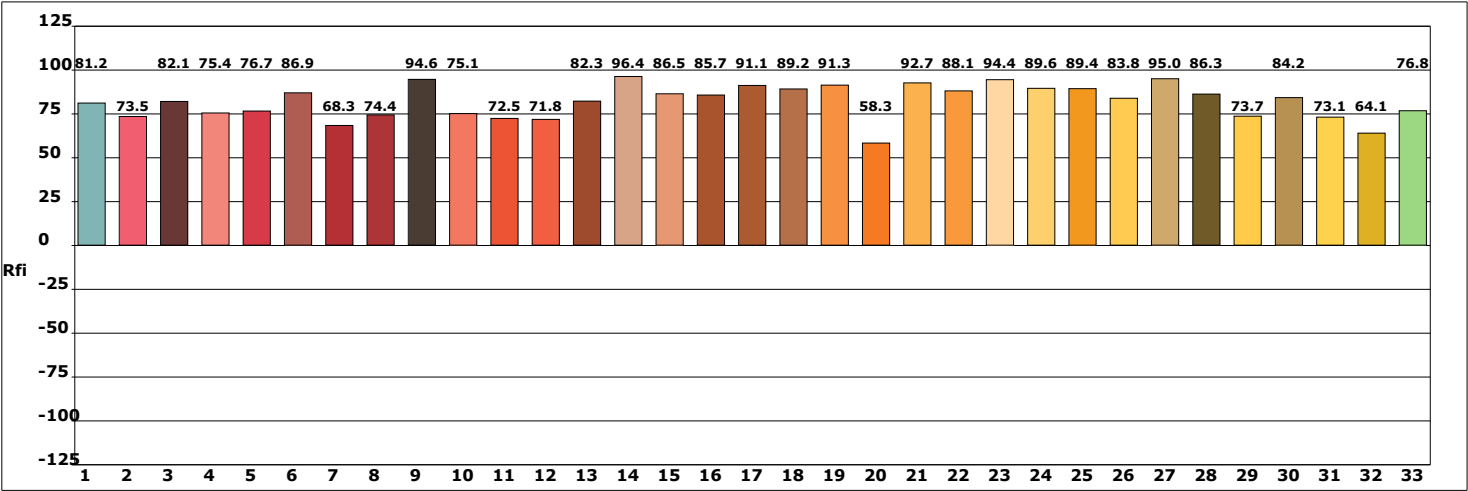


Chroma by Bue



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