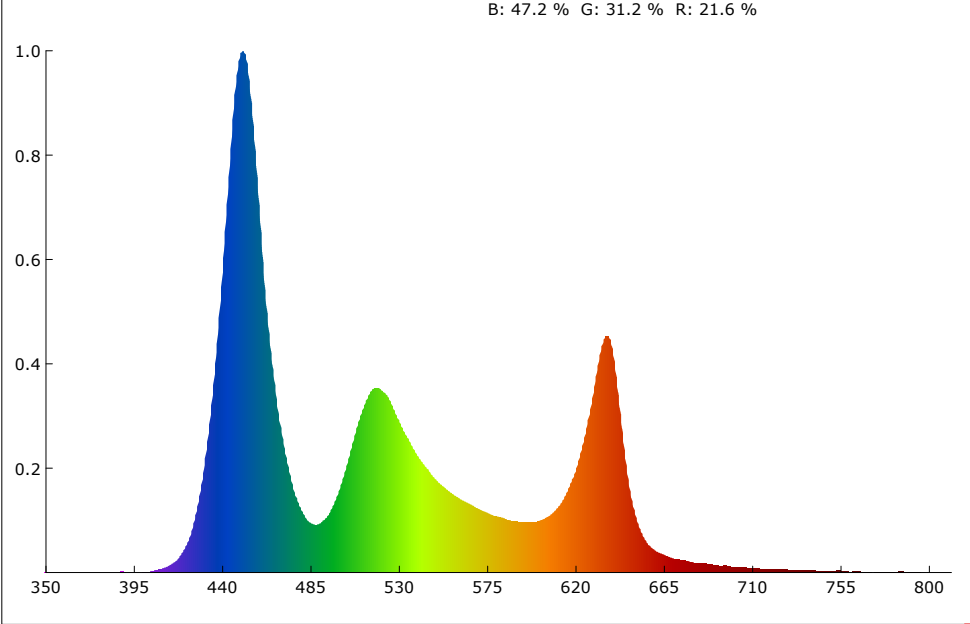
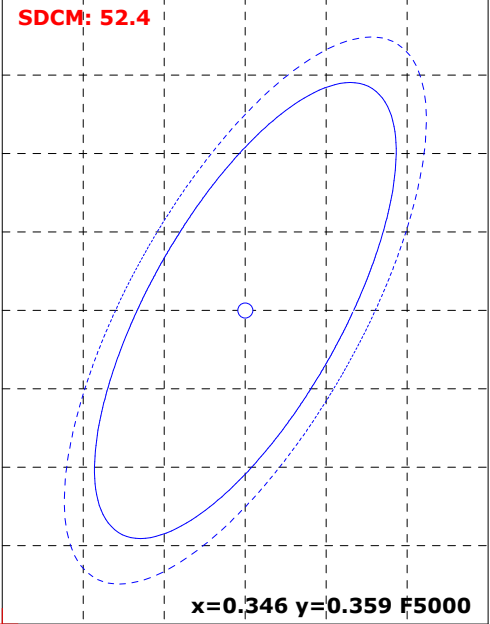


Spectrogram



SDCM



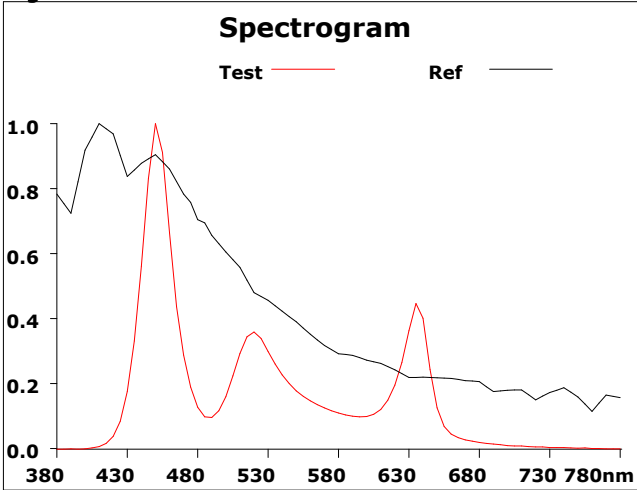
Color Parameter:

x: 0.2520	y: 0.2273	u: 0.1930	v: 0.2611	u': 0.1930	v': 0.3916		
R_ratio: 21.6 %	G_ratio: 31.2 %	B_ratio: 47.2 %	RedRatio: 16.6 %	GreenRatio: 76.4 %	BlueRatio: 7.0 %		
Ra: 70.2		AvgR: 57.0					
R1: 63.3	R2: 89.6	R3: 65.5	R4: 59.9	R5: 75.4	R6: 89.2	R7: 78.7	R8: 40.0
R9: -98.4	R10: 85.1	R11: 47.6	R12: 64.2	R13: 70.0	R14: 78.5	R15: 47.0	
CCT: 99999 K		Flux: 887.216 lm	PeakWave: 450.6 nm	SDCM: 52.4			
S/P: 3.3		CentralWave: 451.0 nm	DominantWave: 470.3 nm	CentroidWave: 520.9 nm			
HalfWidth: 23.7 nm		duv: 0.04931	purity: 38.7 %	CQS: 89.4			
LER(TM-30): 221.8		Ep: 3999.8 mw	Rg: 115.8	Rf: 72.0			
Red Ep: 858.8 mw		Near red Ep: 26.5 mw	Near infrared Ep: 2.0 mw				

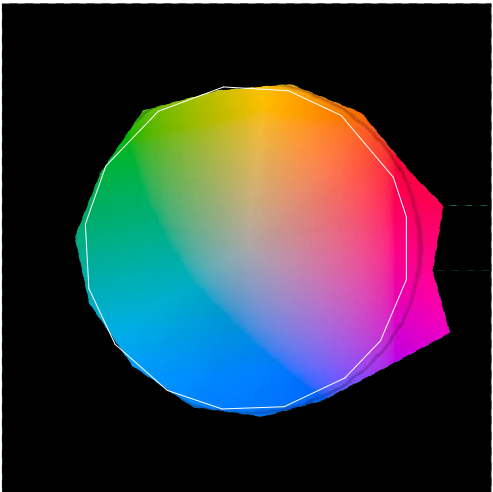
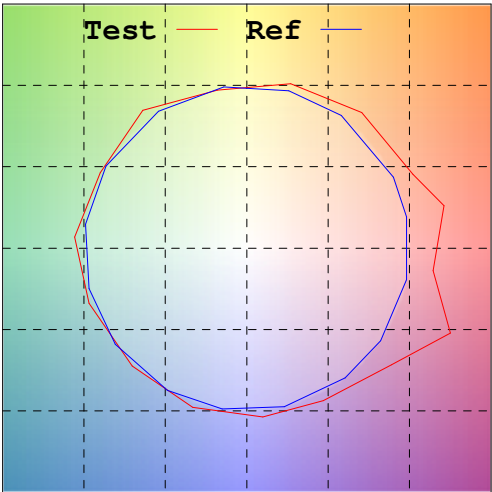
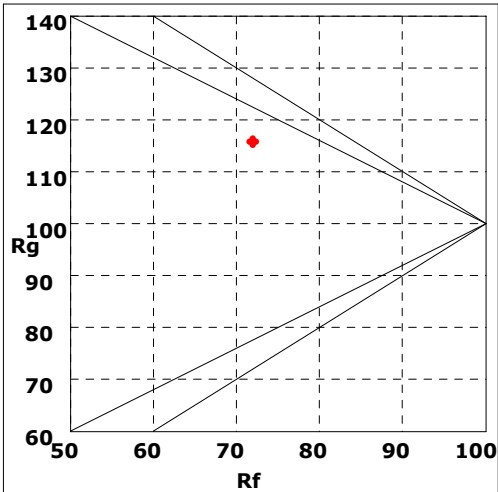
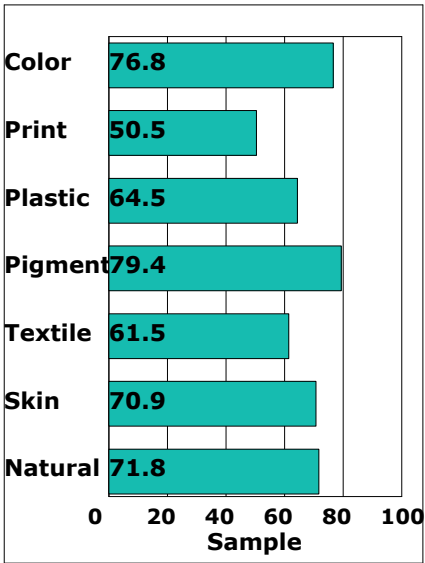
Electrical parameters:

Effic: 10.2 Lm/W	Energy: 11.1	Effi: G	
U: 222.0 V	I: 0.618 A	P: 87.090 W	Pf: 0.634

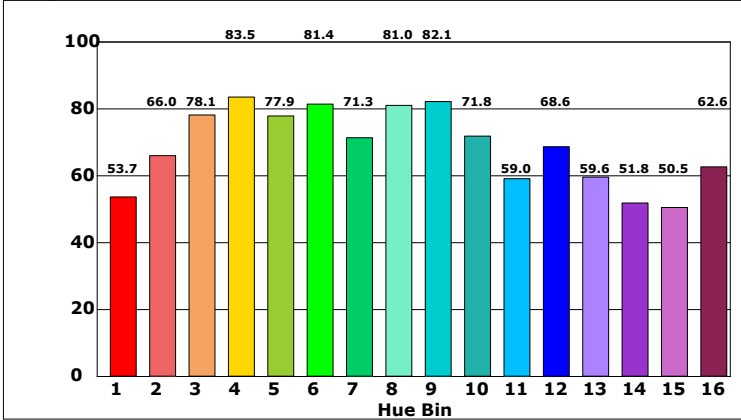
Rf: 72.0 CCT: 99999K u': 0.1930
Rg: 115.8 LER: 221.8 Duv: 0.04931 v': 0.3916



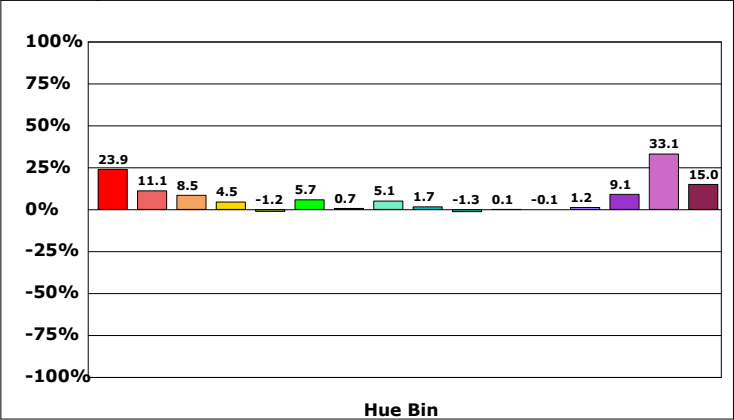
500			
Hue Bin	Rf	Chroma	Hue
1	53.7	23.9%	2.2%
2	66.0	11.1%	-5.2%
3	78.1	8.5%	-9.6%
4	83.5	4.5%	-0.2%
5	77.9	-1.2%	4.3%
6	81.4	5.7%	7.7%
7	71.3	0.7%	5.4%
8	81.0	5.1%	9.1%
9	82.1	1.7%	8.9%
10	71.8	-1.3%	16.9%
11	59.0	0.1%	18.6%
12	68.6	-0.1%	25.4%
13	59.6	1.2%	24.4%
14	51.8	9.1%	28.1%
15	50.5	33.1%	27.8%
16	62.6	15.0%	8.7%



Rf by Bue

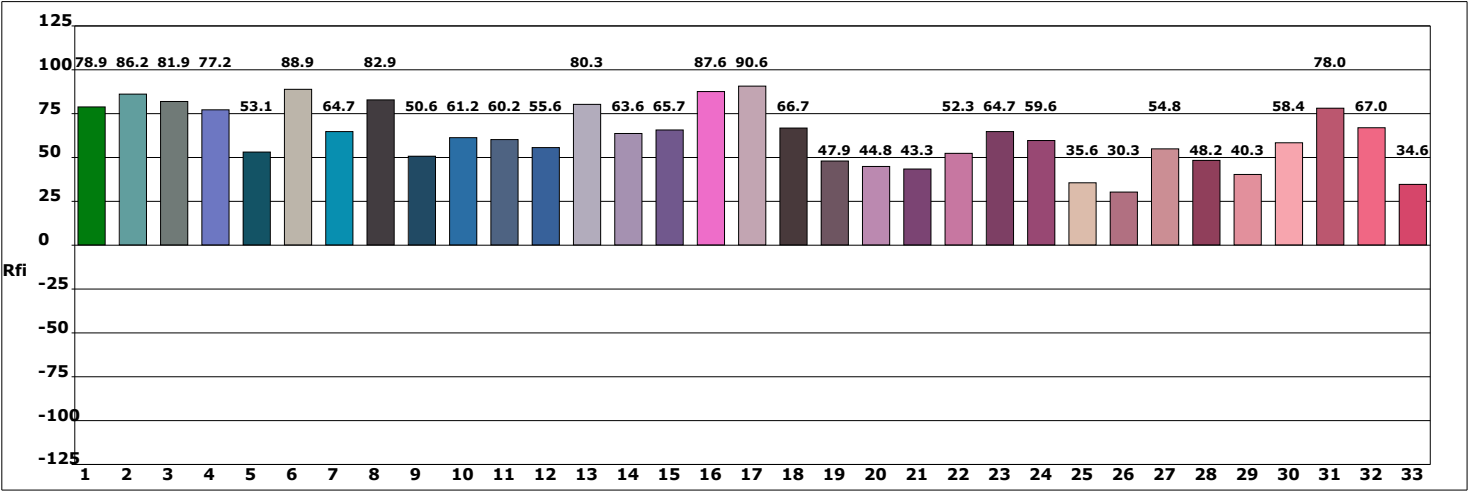
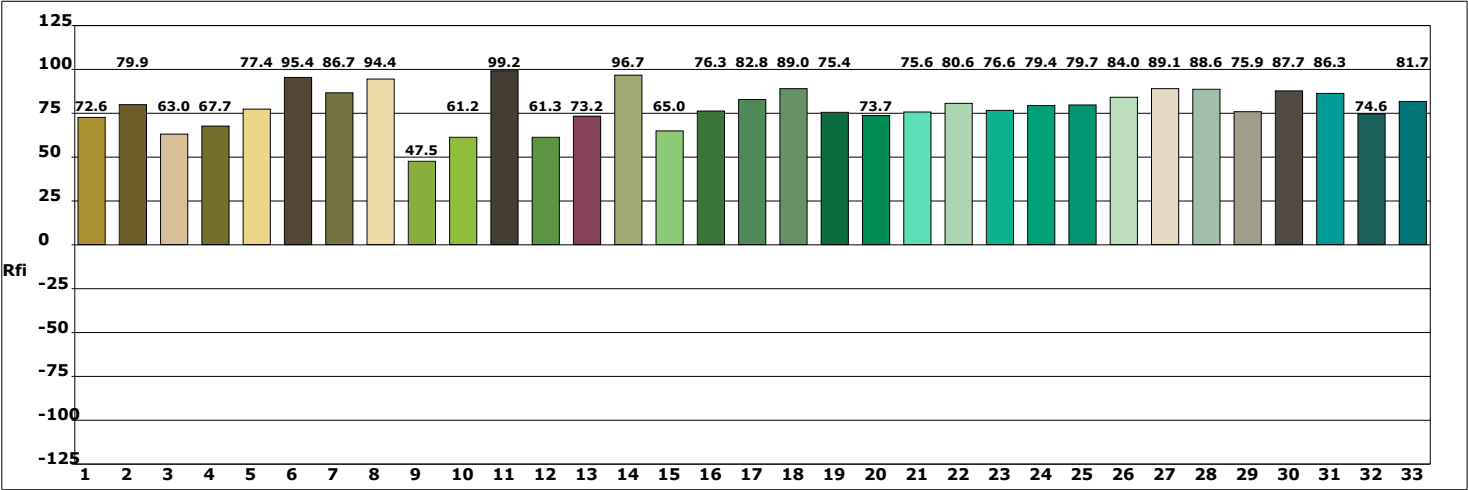
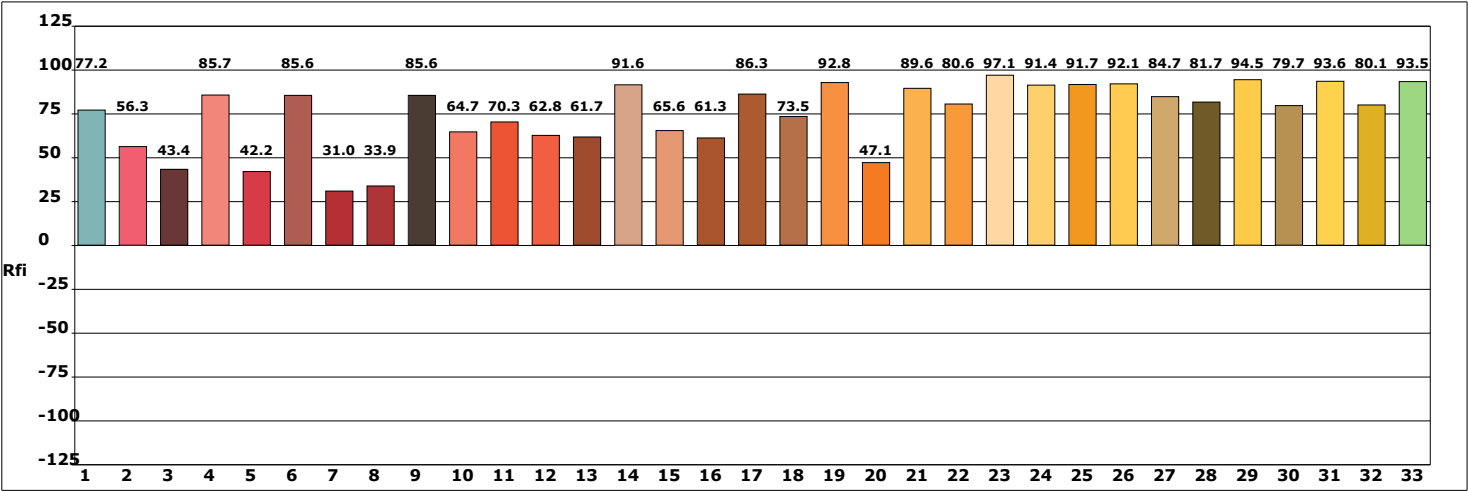


Chroma by Bue



Product model: P19
Product number:
Tester:
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,
Test unit:
Date of observation: 08/10/12



Product model: P19
Product number:
Tester:
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,
Test unit:
Date of observation: 08/10/12