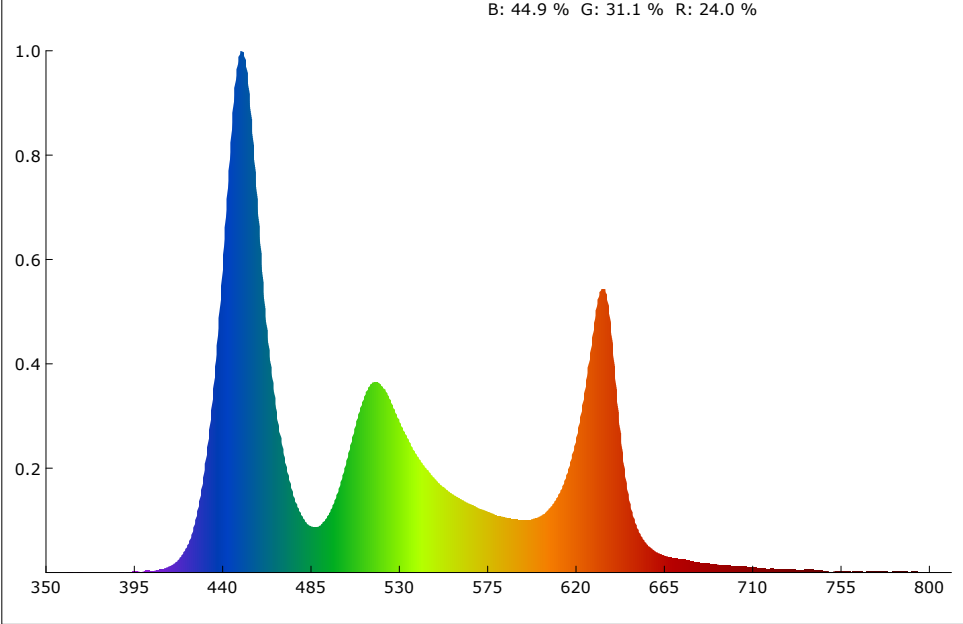
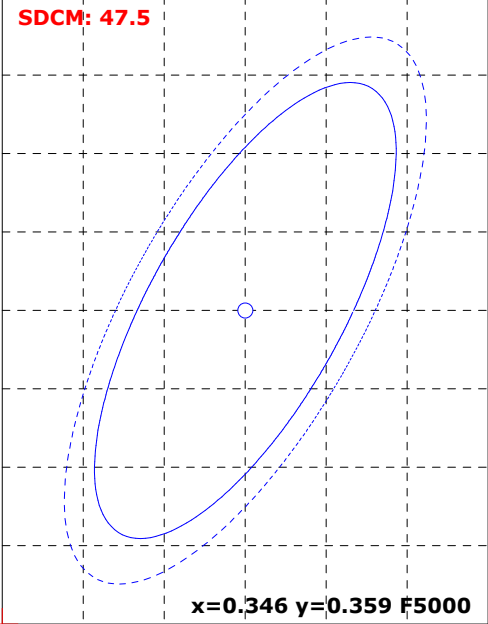


Spectrogram



SDCM



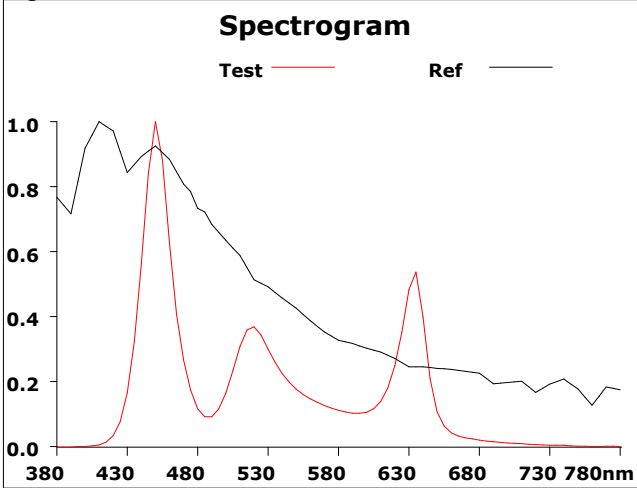
Color Parameter:

x: 0.2635	y: 0.2333	u: 0.1999	v: 0.2655	u': 0.1999	v': 0.3983		
R_ratio: 24.0 %	G_ratio: 31.1 %	B_ratio: 44.9 %	RedRatio: 18.9 %	GreenRatio: 74.6 %	BlueRatio: 6.5 %		
Ra: 61.6 AvgR: 49.3							
R1: 51.0	R2: 84.8	R3: 61.8	R4: 46.4	R5: 65.2	R6: 85.3	R7: 73.3	R8: 25.4
R9: -99.0	R10: 76.9	R11: 32.0	R12: 67.8	R13: 59.4	R14: 75.4	R15: 33.2	
CCT: 36228 K	Flux: 876.725 lm	PeakWave: 449.6 nm	SDCM: 47.5				
S/P: 3.2	CentralWave: 450.6 nm	DominantWave: 466.7 nm	CentroidWave: 524.8 nm				
HalfWidth: 23.2 nm	duv: -0.01873	purity: 34.7 %	CQS: 88.3				
LER(TM-30): 225.1	Ep: 3894.9 mw	Rg: 120.0	Rf: 69.0				
Red Ep: 925.9 mw	Near red Ep: 28.7 mw	Near infrared Ep: 3.4 mw					

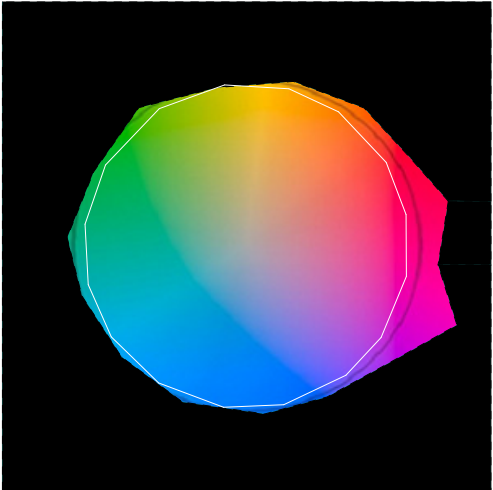
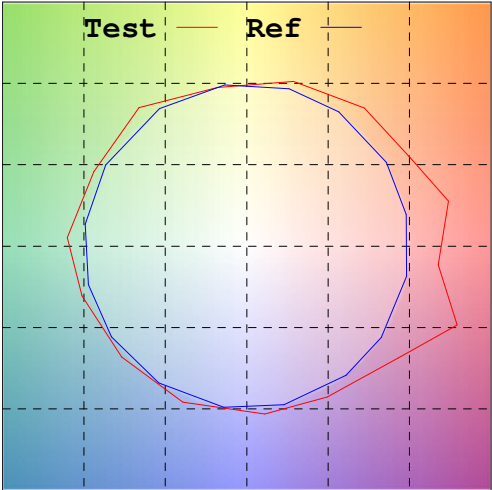
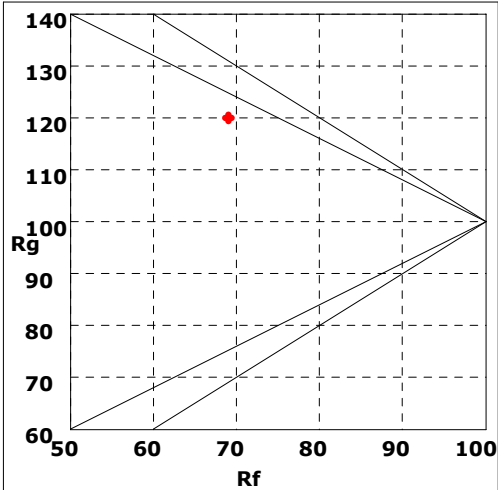
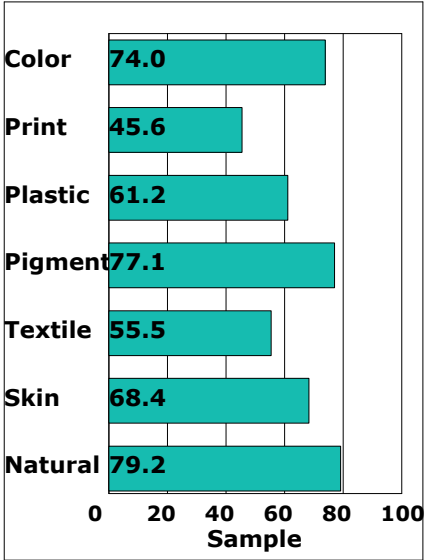
Electrical parameters:

Effic: 10.2 Lm/W	Energy: 11.1	Effi: G	
U: 221.7 V	I: 0.612 A	P: 86.020 W	Pf: 0.634

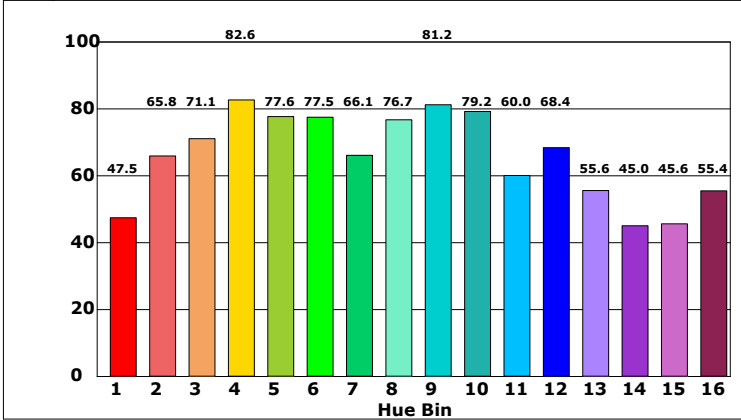
Rf: 69.0 CCT: 36228K u': 0.1999
Rg: 120.0 LER: 225.1 Duv: -0.01873 v': 0.3983



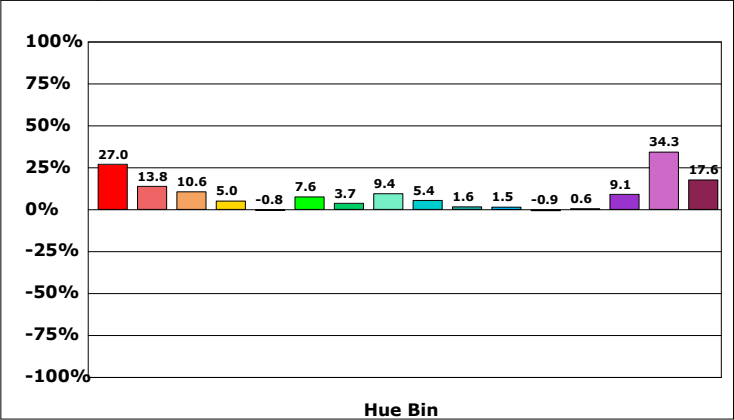
500			
Hue Bin	Rf	Chroma	Hue
1	47.5	27.0%	2.9%
2	65.8	13.8%	-6.0%
3	71.1	10.6%	-11.6%
4	82.6	5.0%	-1.9%
5	77.6	-0.8%	4.7%
6	77.5	7.6%	10.2%
7	66.1	3.7%	7.5%
8	76.7	9.4%	10.2%
9	81.2	5.4%	6.0%
10	79.2	1.6%	13.8%
11	60.0	1.5%	18.8%
12	68.4	-0.9%	25.5%
13	55.6	0.6%	26.9%
14	45.0	9.1%	32.5%
15	45.6	34.3%	32.3%
16	55.4	17.6%	10.8%



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

