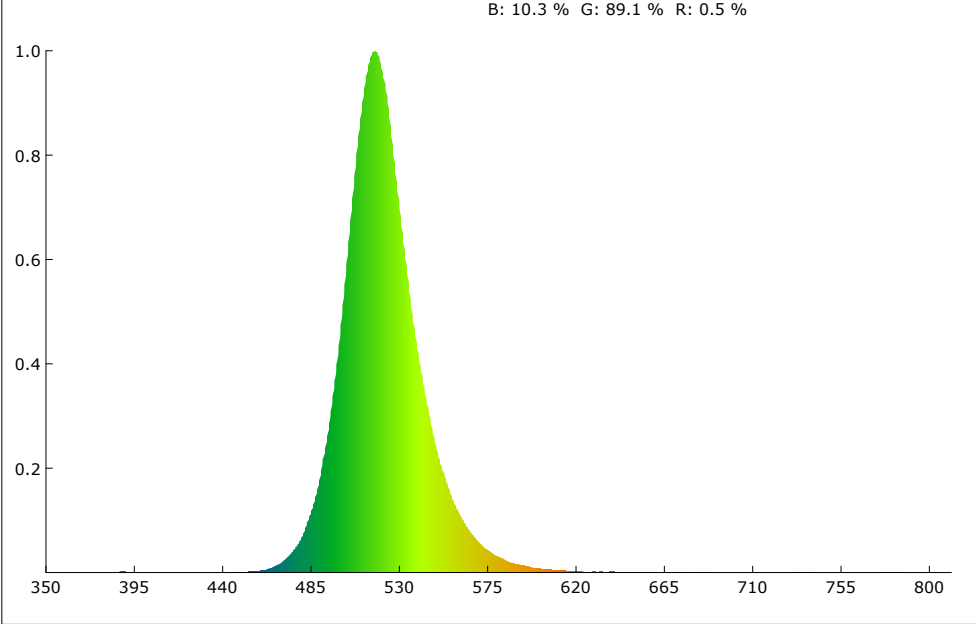
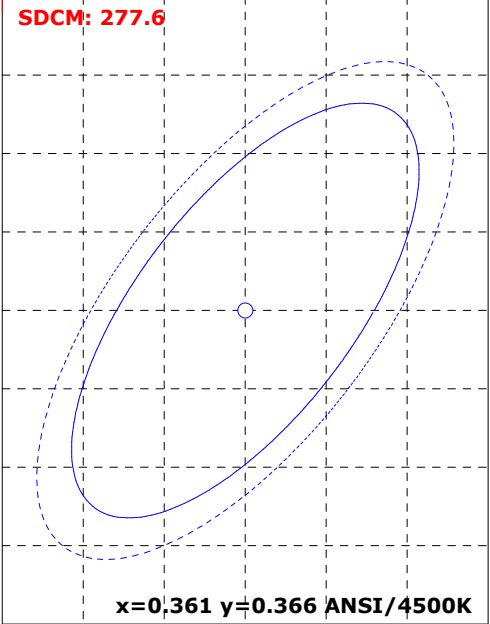


Spectrogram



SDCM



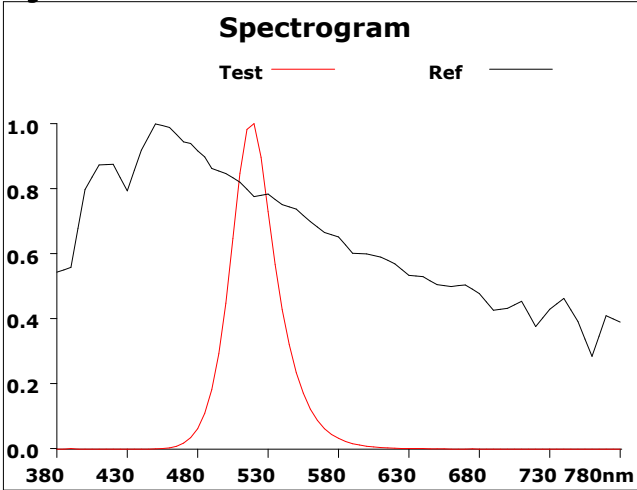
Color Parameter:

x: 0.1564	y: 0.7077	u: 0.0560	v: 0.3798	u': 0.0560	v': 0.5697		
R_ratio: 0.5 %	G_ratio: 89.1 %	B_ratio: 10.3 %	RedRatio: 0.3 %	GreenRatio: 98.8 %	BlueRatio: 0.9 %		
Ra: -21.0		AvgR: -33.8					
R1: -33.3	R2: -4.9	R3: -16.8	R4: -62.8	R5: -8.5	R6: -11.4	R7: -2.2	R8: -28.8
R9: -99.0	R10: -97.4	R11: -89.5	R12: -24.0	R13: -38.9	R14: 41.7	R15: -31.2	
CCT: 8227 K		Flux: 717.170 lm	PeakWave: 517.7 nm	SDCM: 277.6			
S/P: 3.0		CentralWave: 519.2 nm	DominantWave: 523.0 nm	CentroidWave: 522.5 nm			
HalfWidth: 34.8 nm		duv: 0.15922	purity: 75.1 %	CQS: 0.3			
LER(TM-30): 458.7		Ep: 1563.7 mw	Rg: 9.3	Rf: 1.1			
Red Ep: 8.4 mw		Near red Ep: 0.6 mw	Near infrared Ep: 0.2 mw				

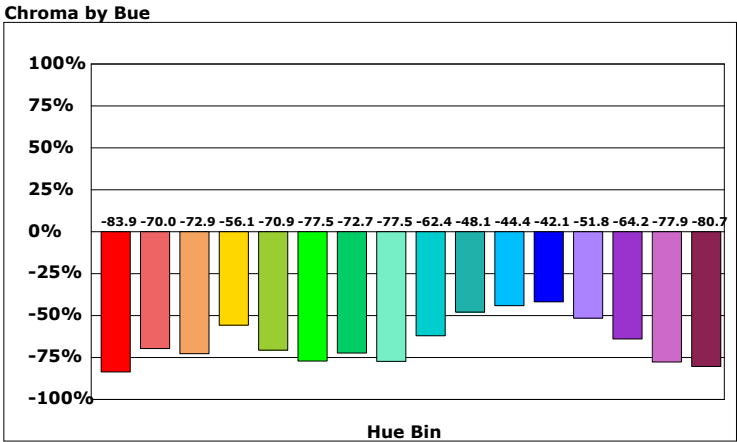
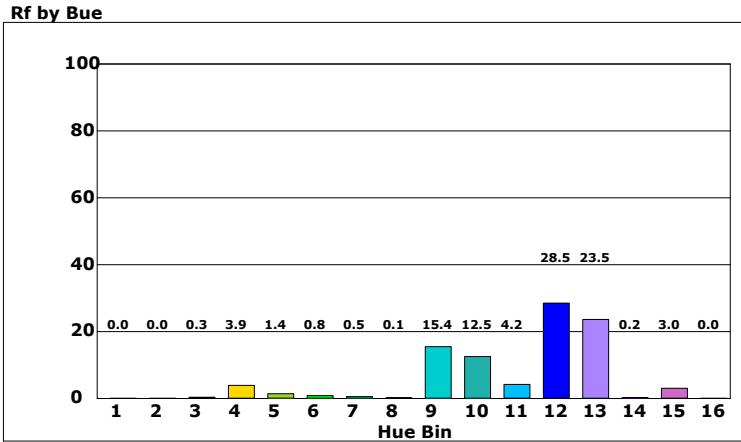
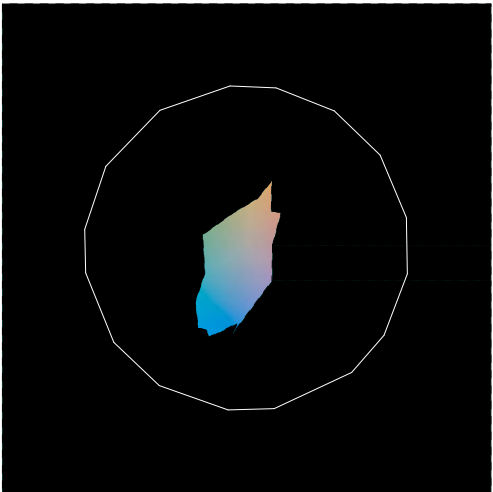
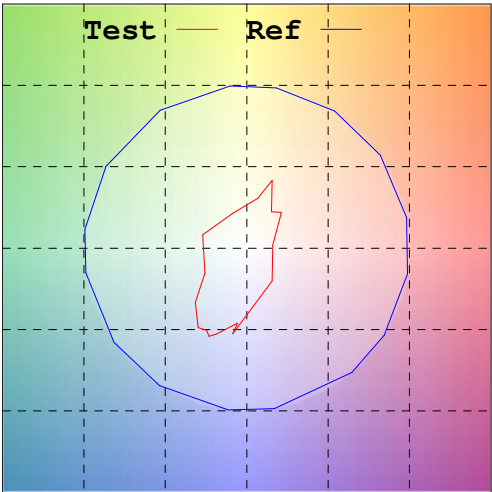
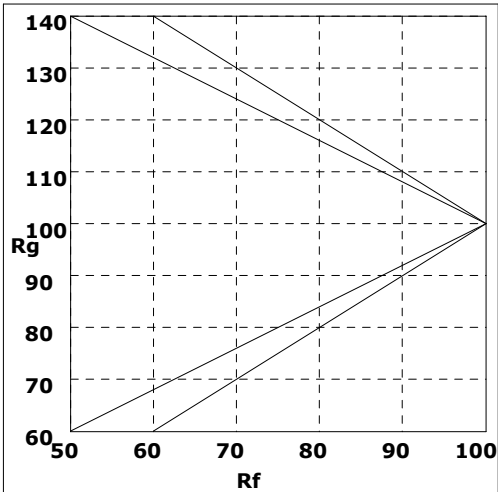
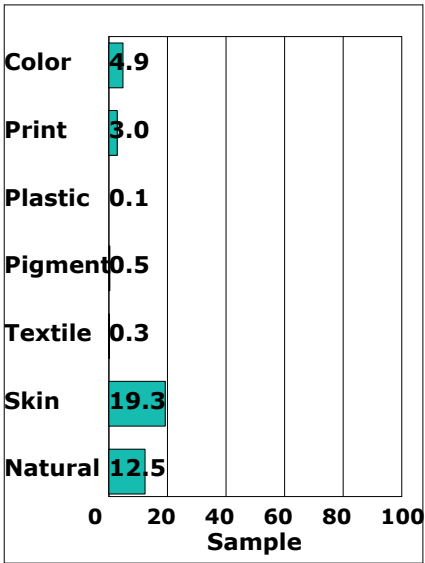
Electrical parameters:

Effic: 9.5 Lm/W	Energy: 10.3	Effi: G	
U: 222.2 V	I: 0.544 A	P: 75.610 W	Pf: 0.625

Rf: 1.1 CCT: 8227K u': 0.0560
Rg: 9.3 LER: 458.7 Duv: 0.15922 v': 0.5697



500			
Hue Bin	Rf	Chroma	Hue
1	0.0	-83.9%	-0.6%
2	0.0	-70.0%	4.5%
3	0.3	-72.9%	-2.2%
4	3.9	-56.1%	-8.5%
5	1.4	-70.9%	-3.0%
6	0.8	-77.5%	-2.1%
7	0.5	-72.7%	1.9%
8	0.1	-77.5%	11.9%
9	15.4	-62.4%	30.9%
10	12.5	-48.1%	21.3%
11	4.2	-44.4%	5.2%
12	28.5	-42.1%	-20.3%
13	23.5	-51.8%	-26.4%
14	0.2	-64.2%	-41.7%
15	3.0	-77.9%	-50.9%
16	0.0	-80.7%	-20.5%



Product model: P19
Product number:
Tester:
Remarks:

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

