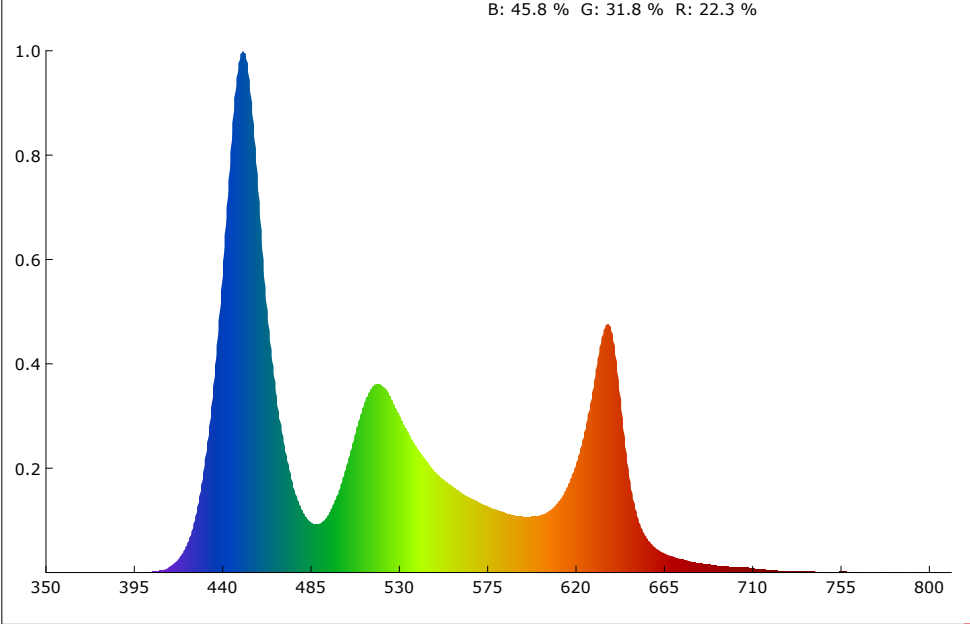
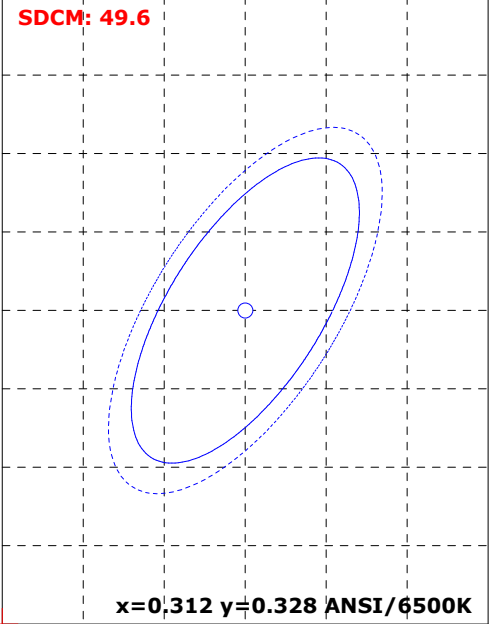


Spectrogram



SDCM



Color Parameter:

x: 0.2570 y: 0.2339 u: 0.1942 v: 0.2652 u': 0.1942 v': 0.3978
R_ratio: 22.3 % G_ratio: 31.8 % B_ratio: 45.8 % RedRatio: 16.7 % GreenRatio: 76.6 % BlueRatio: 6.7 %

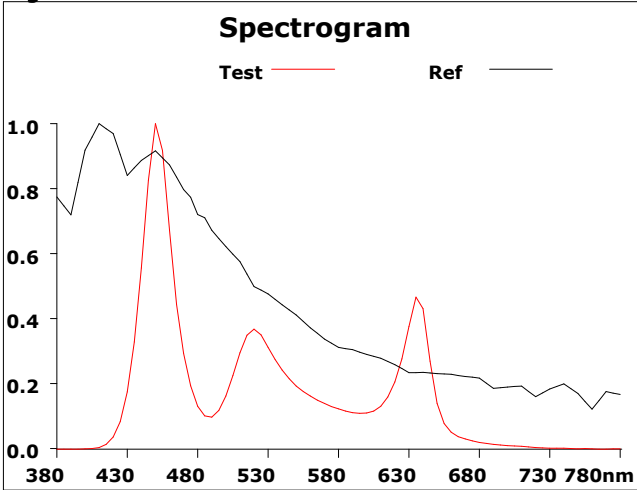
Ra: 70.0 AvgR: 57.2
R1: 63.2 R2: 89.3 R3: 64.6 R4: 60.8 R5: 76.6 R6: 89.5 R7: 77.3 R8: 39.1
R9: -94.5 R10: 85.5 R11: 49.2 R12: 63.0 R13: 69.9 R14: 78.0 R15: 46.9

CCT: 48601 K Flux: 680.087 lm PeakWave: 450.6 nm SDCM: 49.6
S/P: 3.2 CentralWave: 451.2 nm DominantWave: 470.4 nm CentroidWave: 522.6 nm
HalfWidth: 23.7 nm duv: -0.01332 purity: 36.3 % CQS: 89.5
LER(TM-30): 226.9 Ep: 2997.5 mw Rg: 115.5 Rf: 72.4
Red Ep: 665.6 mw Near red Ep: 13.9 mw Near infrared Ep: 0.7 mw

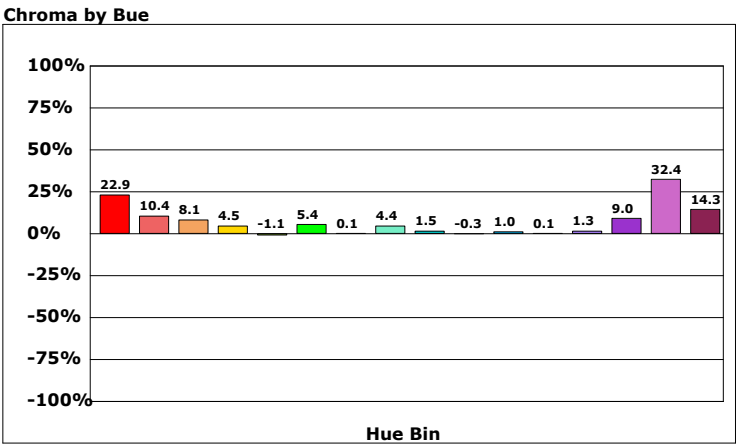
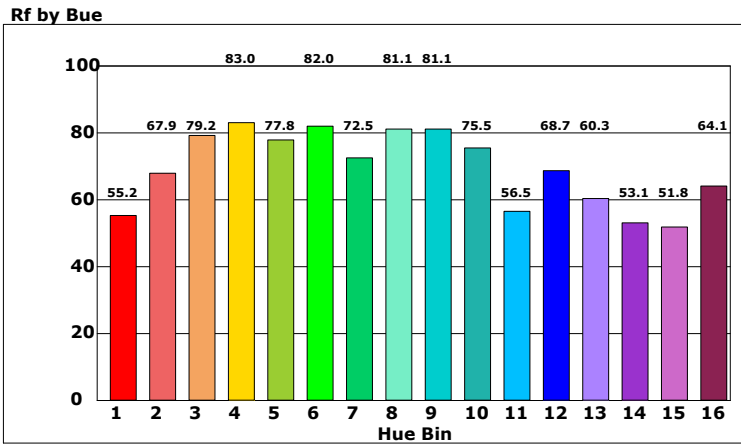
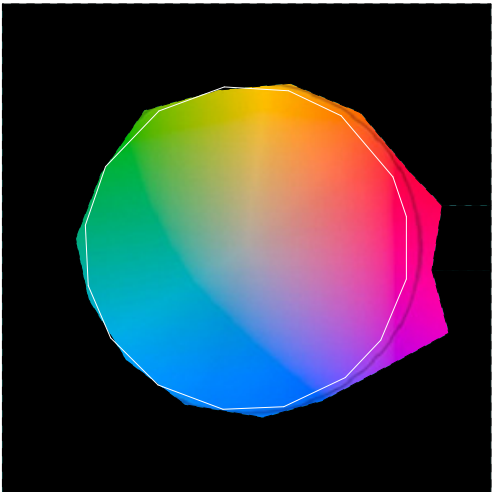
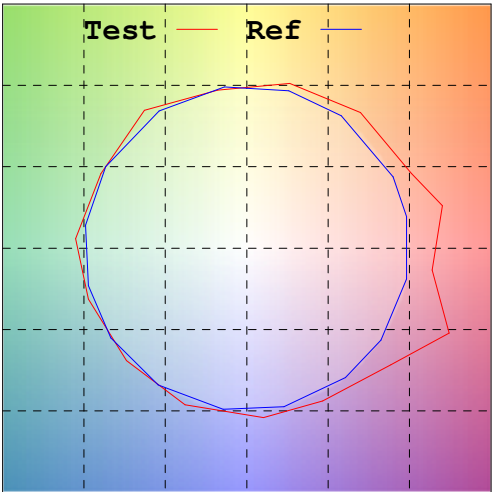
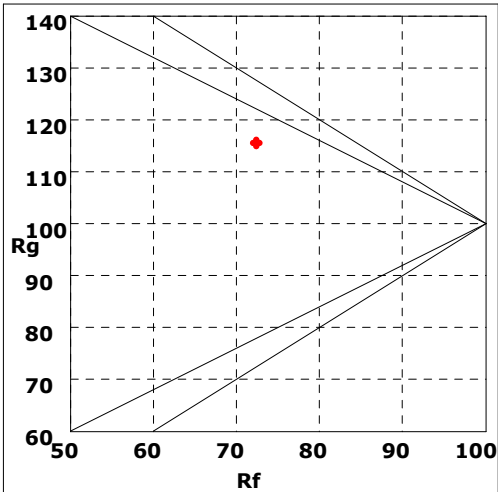
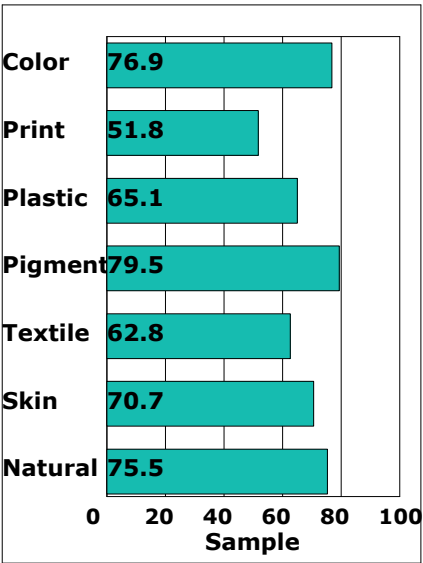
Electrical parameters:

Effic: 7.8 Lm/W Energy: 8.5 Effi: G
U: 222.1 V I: 0.620 A P: 87.260 W Pf: 0.633

Rf: 72.4 CCT: 48601K u': 0.1942
Rg: 115.5 LER: 226.9 Duv: -0.01332 v': 0.3978

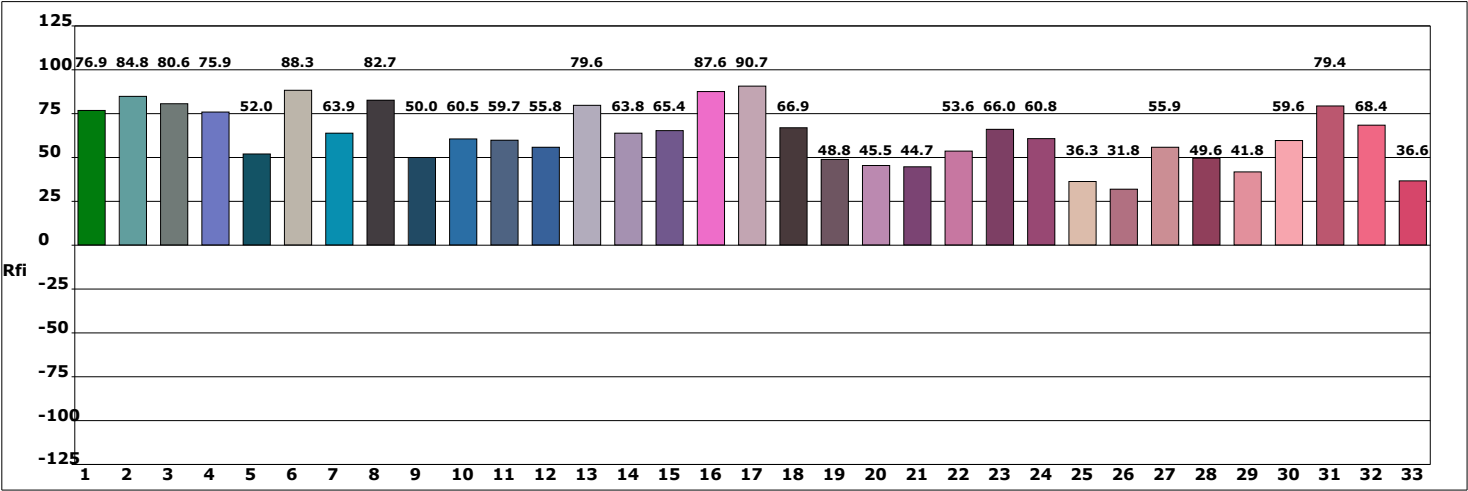
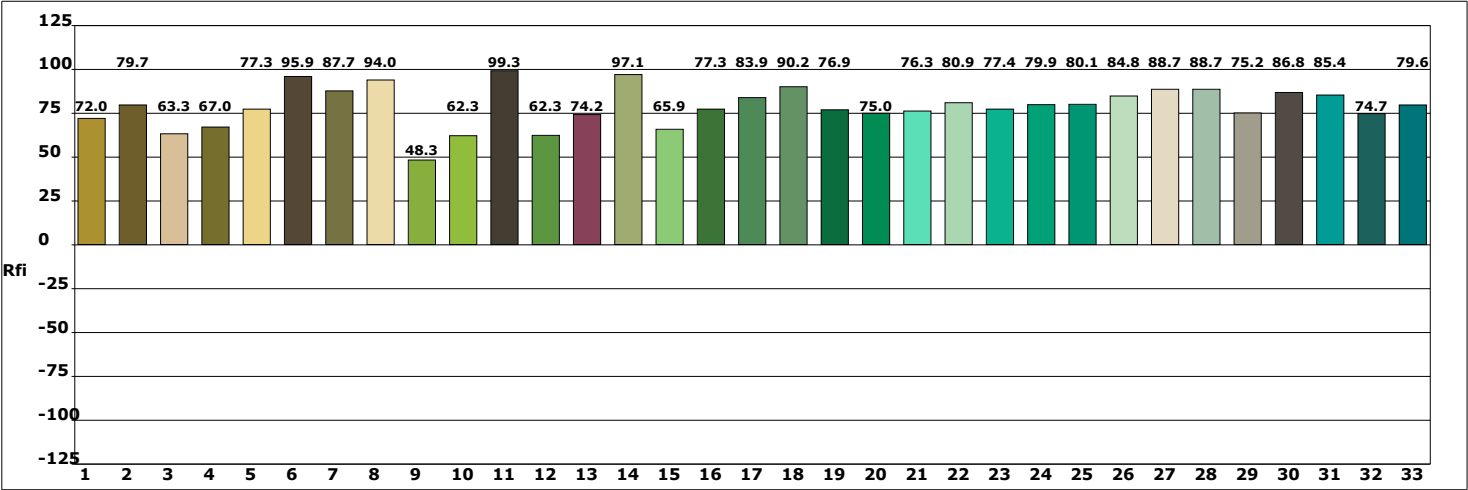
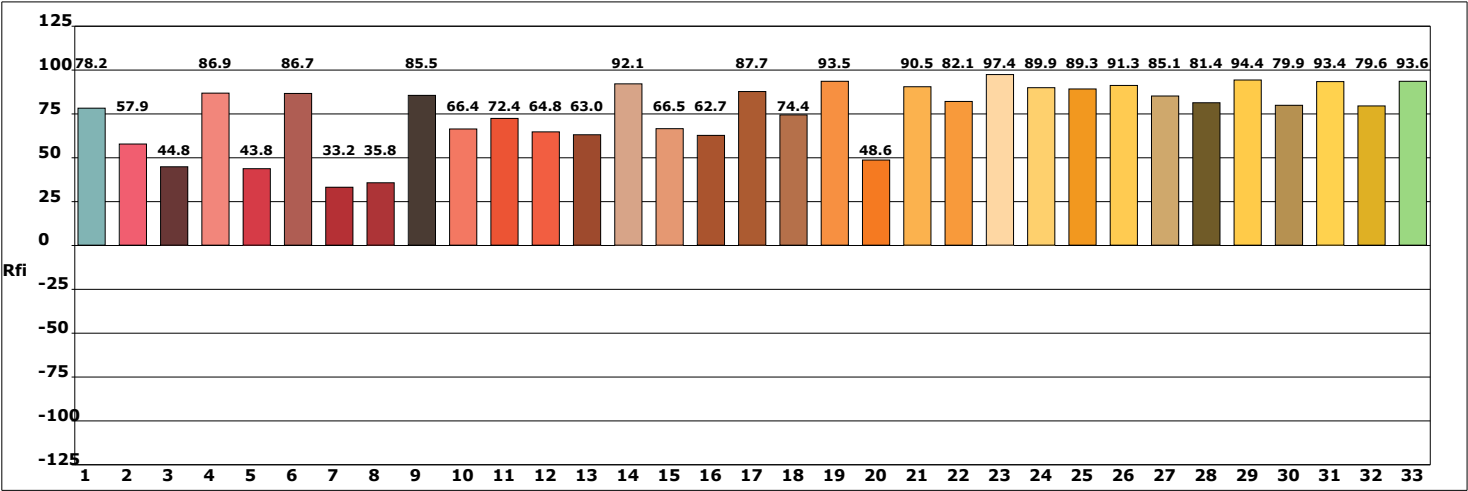


500			
Hue Bin	Rf	Chroma	Hue
1	55.2	22.9%	2.3%
2	67.9	10.4%	-4.5%
3	79.2	8.1%	-8.8%
4	83.0	4.5%	0.4%
5	77.8	-1.1%	4.4%
6	82.0	5.4%	7.3%
7	72.5	0.1%	5.4%
8	81.1	4.4%	9.3%
9	81.1	1.5%	8.0%
10	75.5	-0.3%	17.0%
11	56.5	1.0%	20.6%
12	68.7	0.1%	25.4%
13	60.3	1.3%	24.0%
14	53.1	9.0%	27.3%
15	51.8	32.4%	26.8%
16	64.1	14.3%	8.5%



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