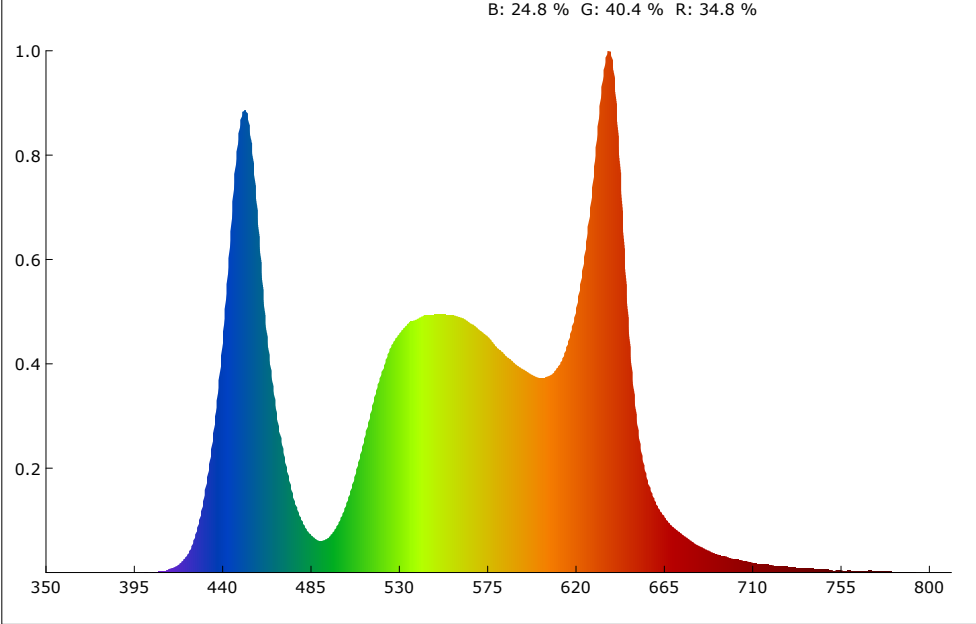
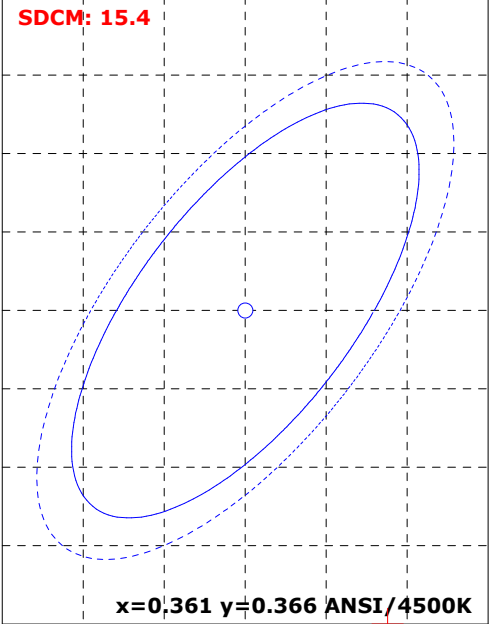


Spectrogram



SDCM



Color Parameter:

x: 0.3638 y: 0.3379 u: 0.2300 v: 0.3204 u': 0.2300 v': 0.4806
R_ratio: 34.8 % G_ratio: 40.4 % B_ratio: 24.8 % RedRatio: 19.9 % GreenRatio: 77.3 % BlueRatio: 2.7 %

Ra: 87.3 AvgR: 83.1
R1: 98.1 R2: 91.4 R3: 72.6 R4: 88.8 R5: 95.2 R6: 82.3 R7: 88.1 R8: 82.5
R9: 67.3 R10: 70.5 R11: 87.0 R12: 56.0 R13: 96.7 R14: 82.0 R15: 88.5

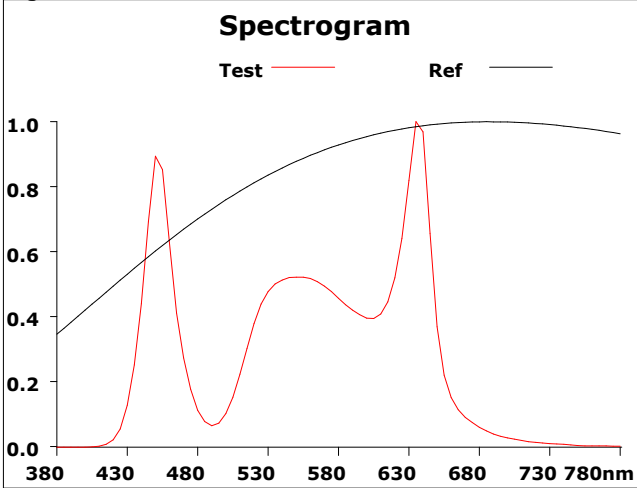
CCT: 4218 K Flux: 1076.039 lm PeakWave: 637.5 nm SDCM: 15.4
S/P: 1.7 CentralWave: 633.5 nm DominantWave: 599.0 nm CentroidWave: 558.3 nm
HalfWidth: 26.3 nm duv: -0.01422 purity: 10.5 % CQS: 69.6
LER(TM-30): 307.2 Ep: 3502.5 mw Rg: 107.8 Rf: 78.1
Red Ep: 1208.9 mw Near red Ep: 28.0 mw Near infrared Ep: 0.8 mw

Electrical parameters:

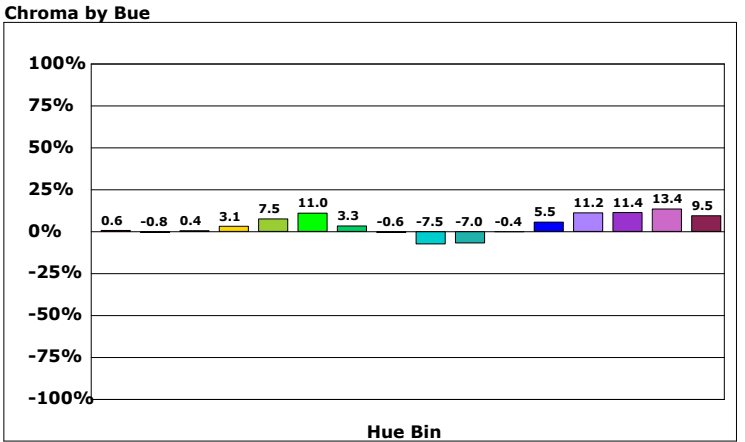
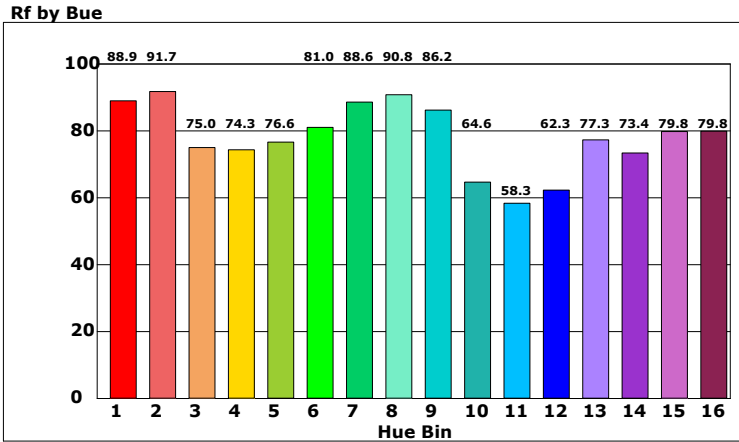
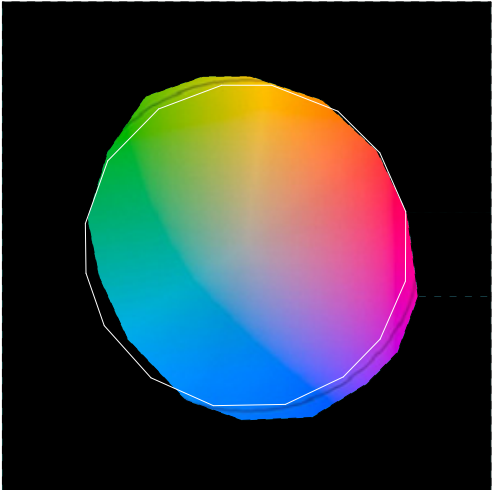
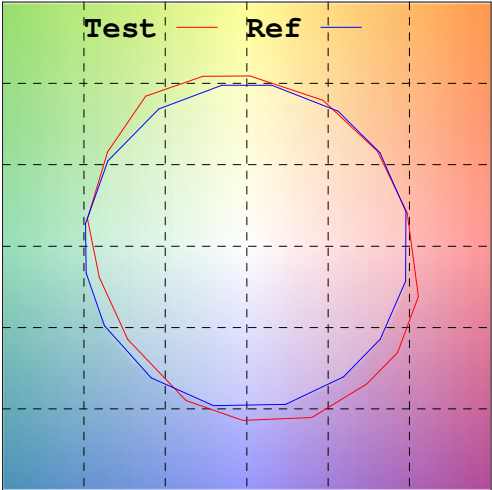
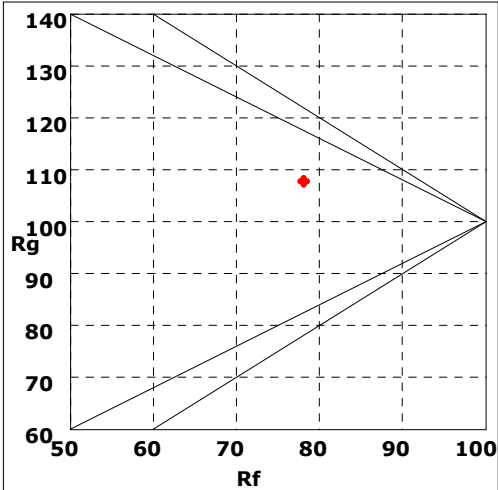
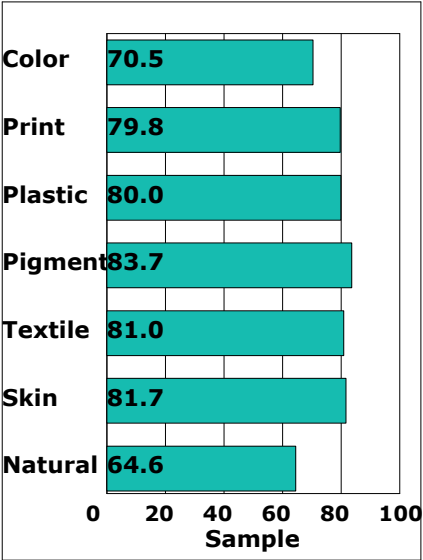
Effic: 86.8 lm/W Energy: 94.5 Effi: F
U: 220.0 V I: 0.463 A P: 12.400 W Pf: 0.121

Product model: Manufacturer: Guangzhou Hotion Technology Co.,
Product number: Test unit:
Tester: Date of observation: 02/03/13
Remarks:

Rf: 78.1 CCT: 4218K u': 0.2300
Rg: 107.8 LER: 307.2 Duv: -0.01422 v': 0.4806

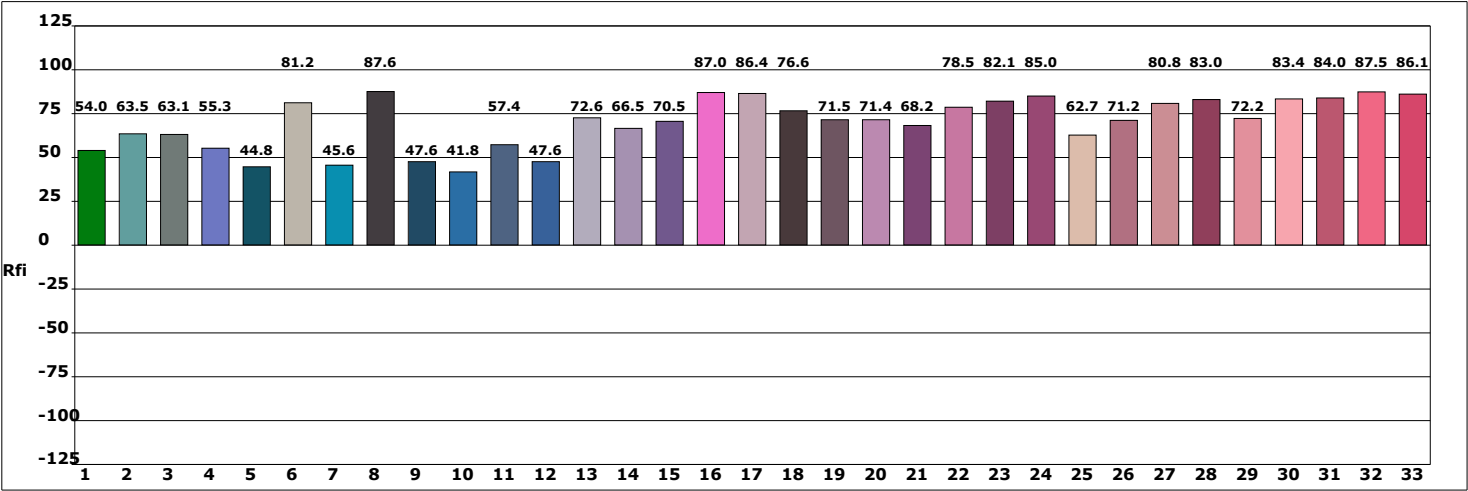
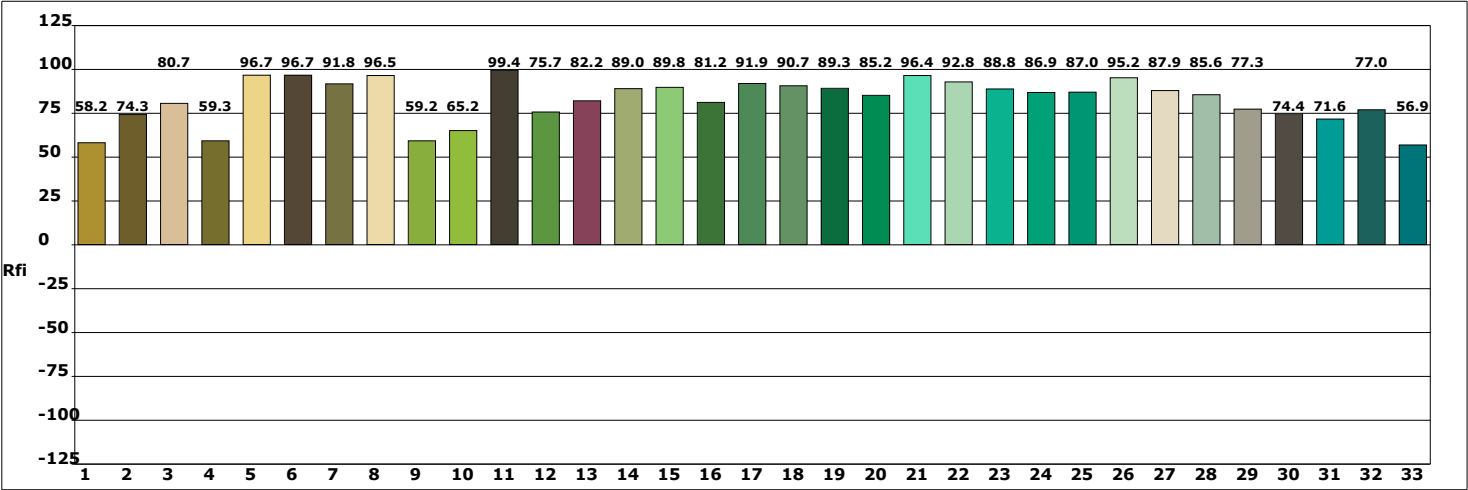
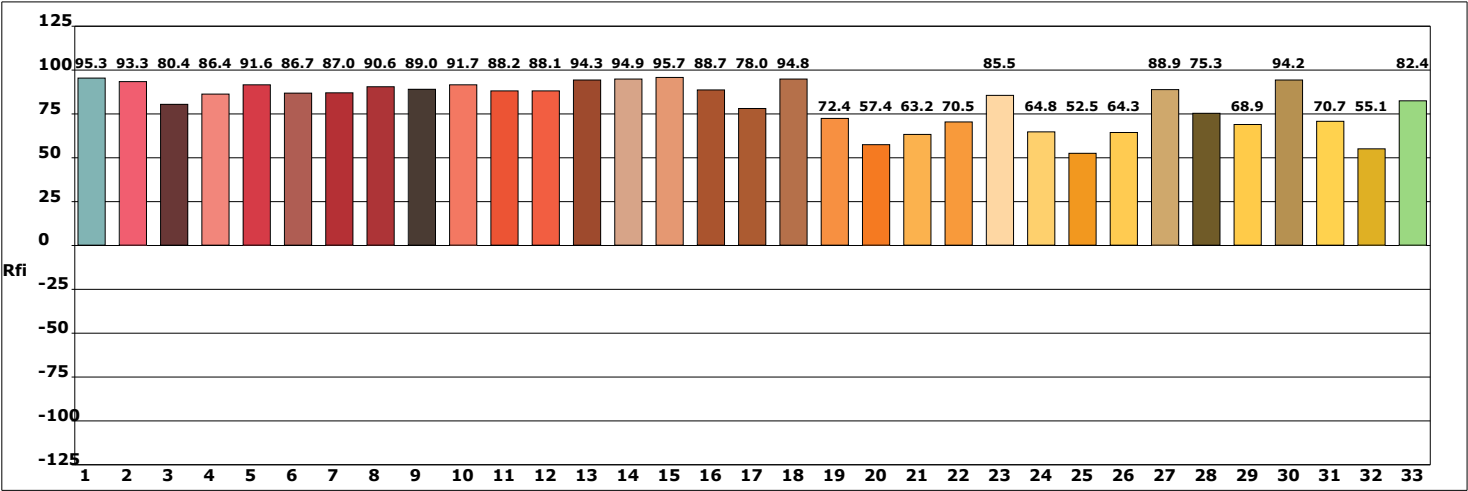


500			
Hue Bin	Rf	Chroma	Hue
1	88.9	0.6%	-0.9%
2	91.7	-0.8%	1.7%
3	75.0	0.4%	11.3%
4	74.3	3.1%	14.3%
5	76.6	7.5%	10.4%
6	81.0	11.0%	2.4%
7	88.6	3.3%	-4.5%
8	90.8	-0.6%	-3.1%
9	86.2	-7.5%	4.2%
10	64.6	-7.0%	15.0%
11	58.3	-0.4%	25.6%
12	62.3	5.5%	19.4%
13	77.3	11.2%	14.2%
14	73.4	11.4%	9.5%
15	79.8	13.4%	-1.0%
16	79.8	9.5%	-7.7%



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