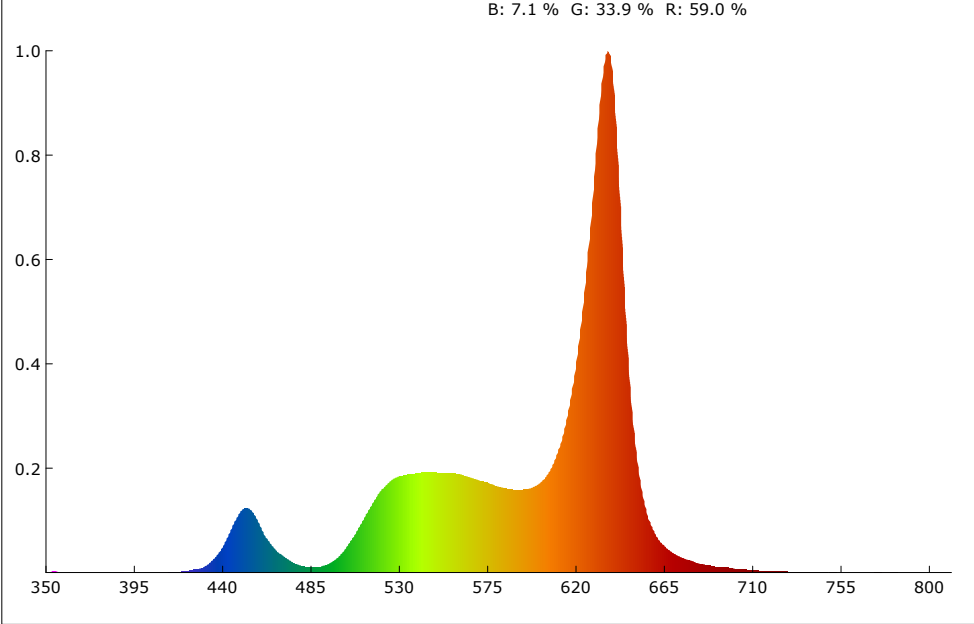
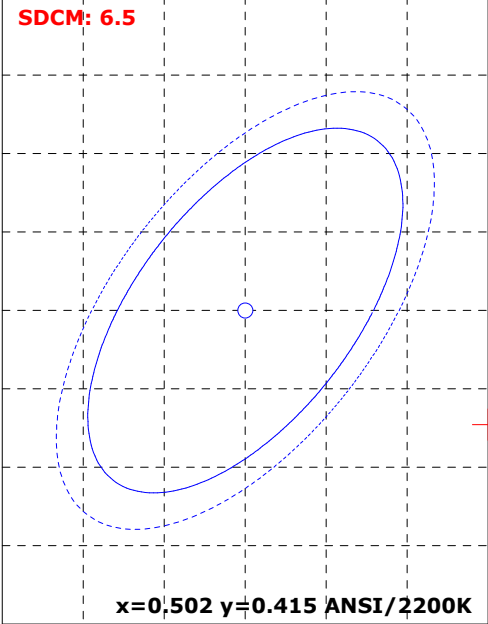


Spectrogram



SDCM



Color Parameter:

x: 0.4899 y: 0.4028 u: 0.2859 v: 0.3526 u': 0.2859 v': 0.5289
R_ratio: 59.0 % G_ratio: 33.9 % B_ratio: 7.1 % RedRatio: 33.2 % GreenRatio: 66.0 % BlueRatio: 0.8 %

Ra: 77.0 AvgR: 74.9
R1: 74.8 R2: 94.5 R3: 69.9 R4: 68.9 R5: 78.5 R6: 92.9 R7: 80.7 R8: 56.3
R9: 26.1 R10: 97.1 R11: 62.7 R12: 92.0 R13: 79.0 R14: 78.5 R15: 71.2

CCT: 2274 K Flux: 867.675 lm PeakWave: 636.5 nm SDCM: 6.5
S/P: 1.1 CentralWave: 634.7 nm DominantWave: 588.1 nm CentroidWave: 594.3 nm
HalfWidth: 21.6 nm duv: -0.00407 purity: 68.0 % CQS: 89.1
LER(TM-30): 302.4 Ep: 2868.9 mw Rg: 118.9 Rf: 81.1
Red Ep: 1685.3 mw Near red Ep: 11.1 mw Near infrared Ep: 0.5 mw

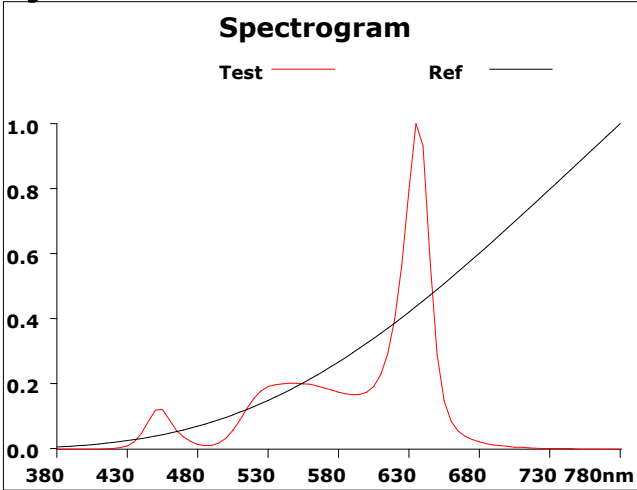
Electrical parameters:

Effic: 73.7 lm/W Energy: 80.3 Effi: G
U: 220.0 V I: 0.441 A P: 11.770 W Pf: 0.121

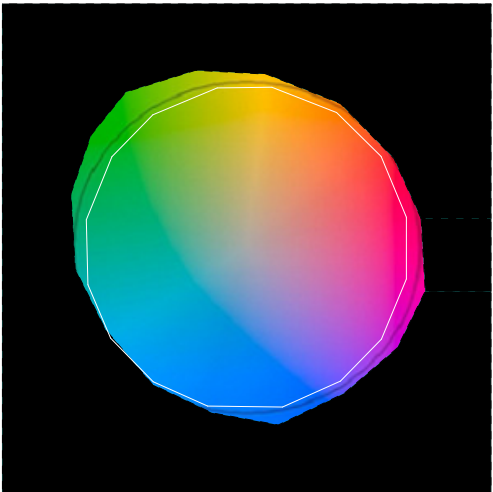
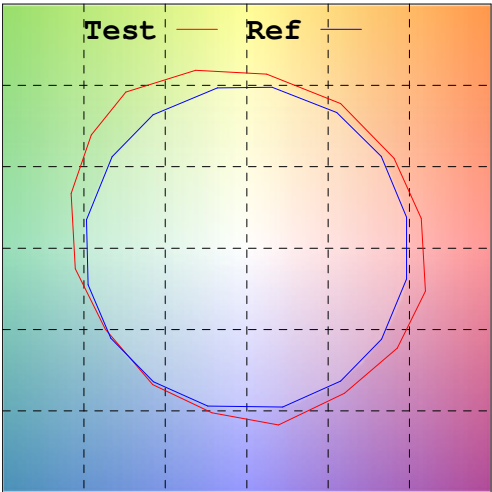
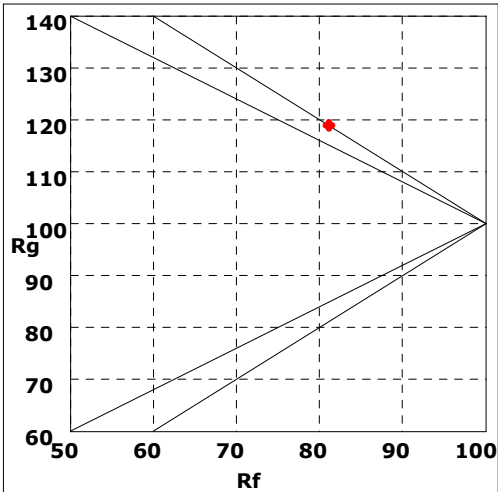
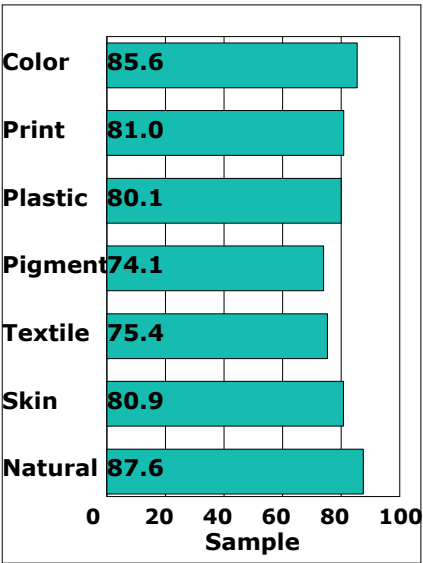
Product model:
Product number:
Tester:
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,
Test unit:
Date of observation: 02/03/13

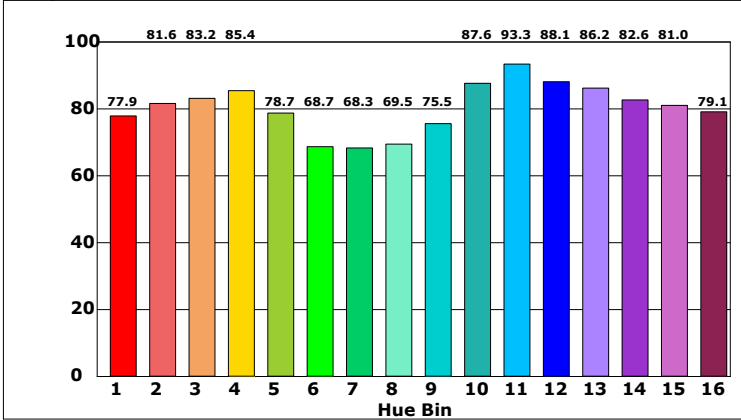
Rf: 81.1 CCT: 2274K u': 0.2859
Rg: 118.9 LER: 302.4 Duv: -0.00407 v': 0.5289



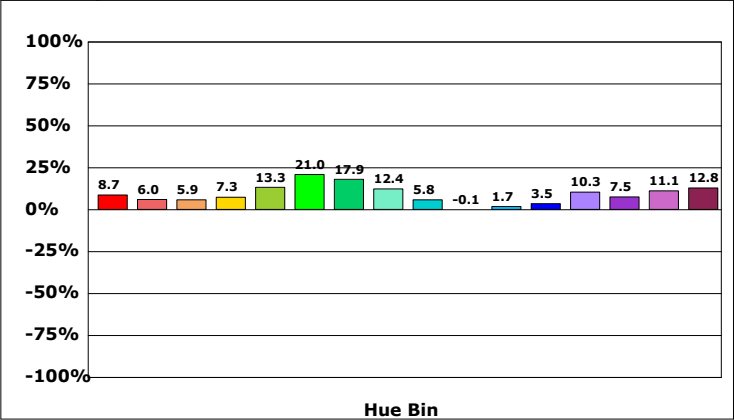
500			
Hue Bin	Rf	Chroma	Hue
1	77.9	8.7%	-2.6%
2	81.6	6.0%	-5.3%
3	83.2	5.9%	1.1%
4	85.4	7.3%	4.9%
5	78.7	13.3%	11.0%
6	68.7	21.0%	6.2%
7	68.3	17.9%	-4.1%
8	69.5	12.4%	-14.0%
9	75.5	5.8%	-11.2%
10	87.6	-0.1%	-6.3%
11	93.3	1.7%	0.6%
12	88.1	3.5%	3.4%
13	86.2	10.3%	-4.6%
14	82.6	7.5%	-2.1%
15	81.0	11.1%	0.8%
16	79.1	12.8%	-5.1%



Rf by Bue

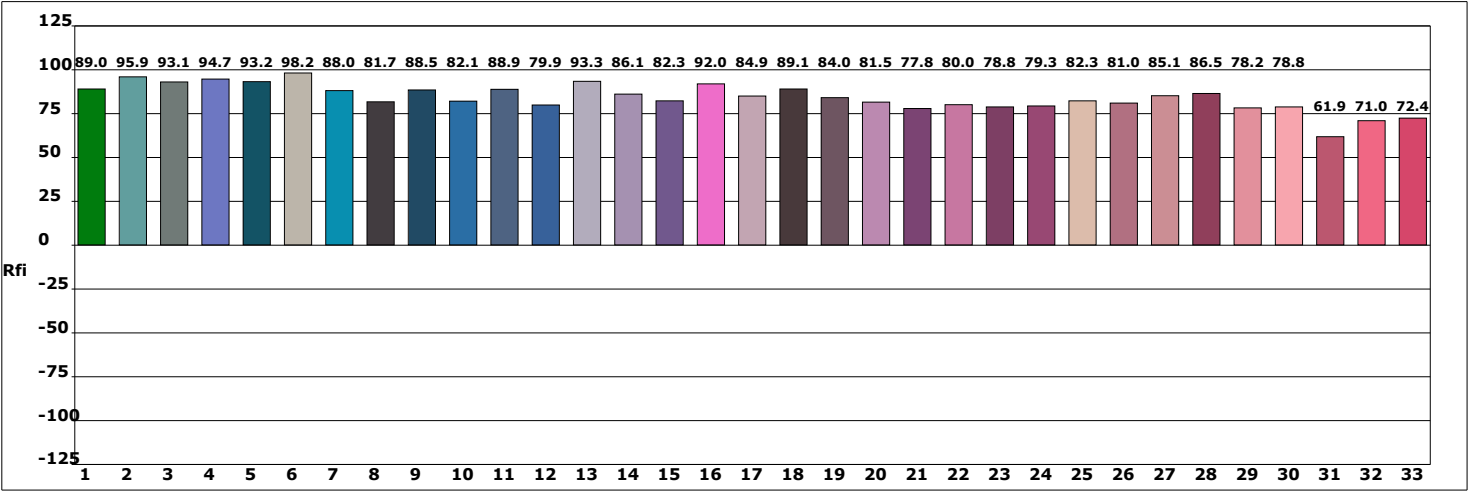
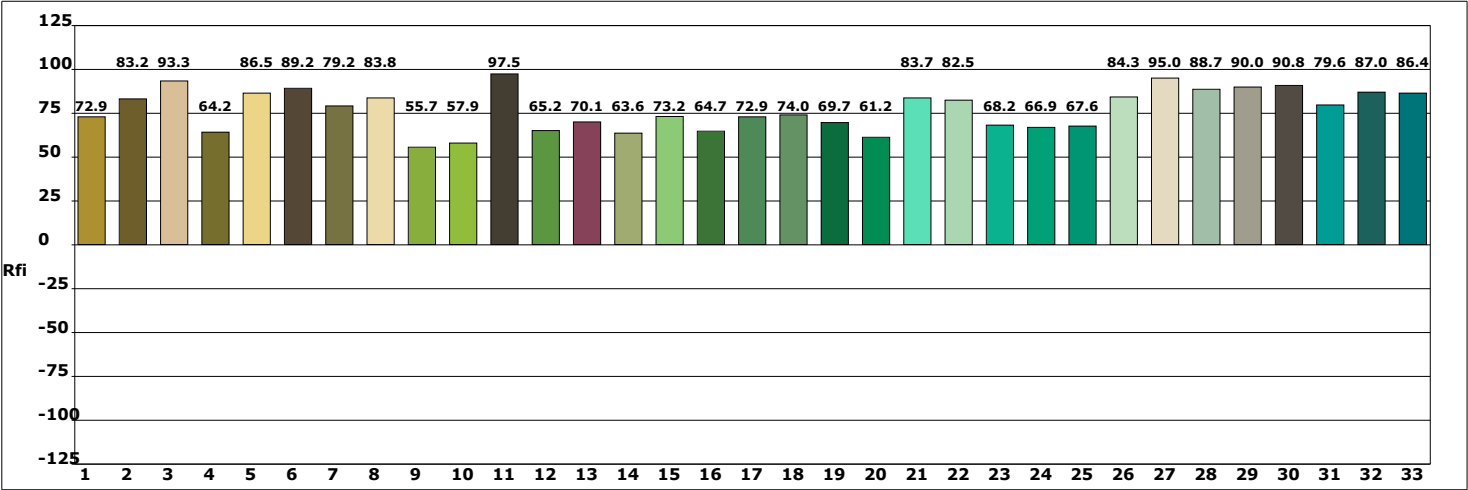
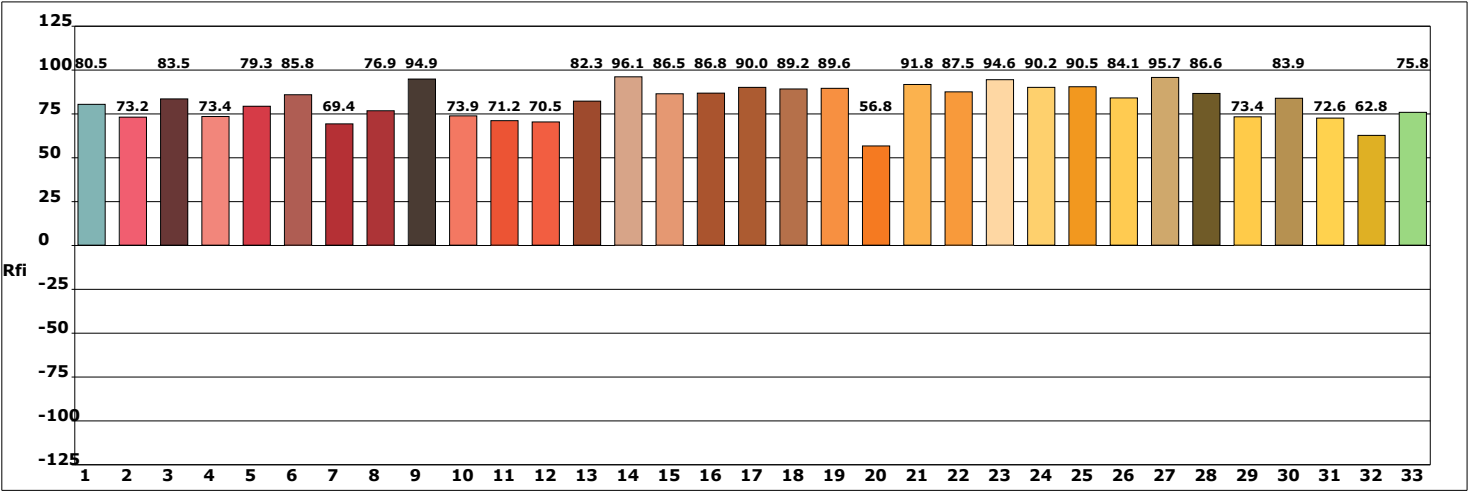


Chroma by Bue



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