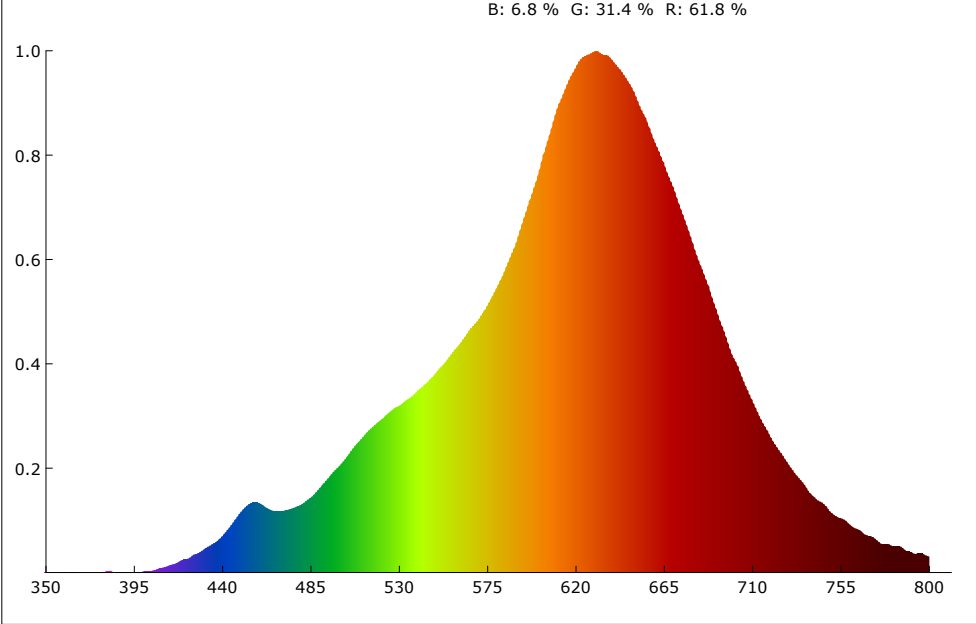
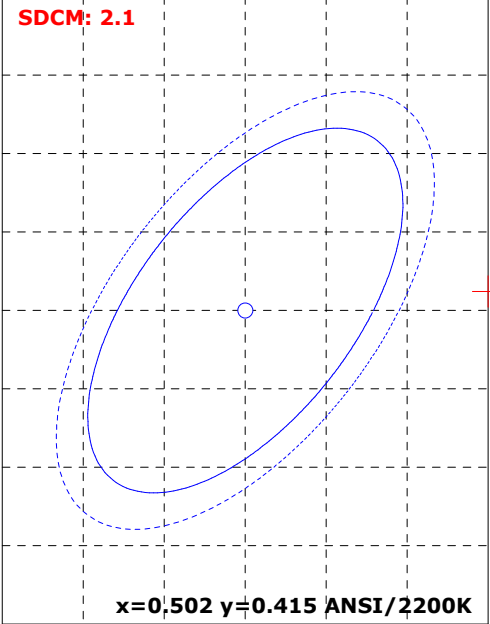


Spectrogram



SDCM



Color Parameter:

x: 0.5019 y: 0.4113 u: 0.2896 v: 0.3560 u': 0.2896 v': 0.5340
R_ratio: 61.8 % G_ratio: 31.4 % B_ratio: 6.8 % RedRatio: 31.6 % GreenRatio: 67.3 % BlueRatio: 1.1 %

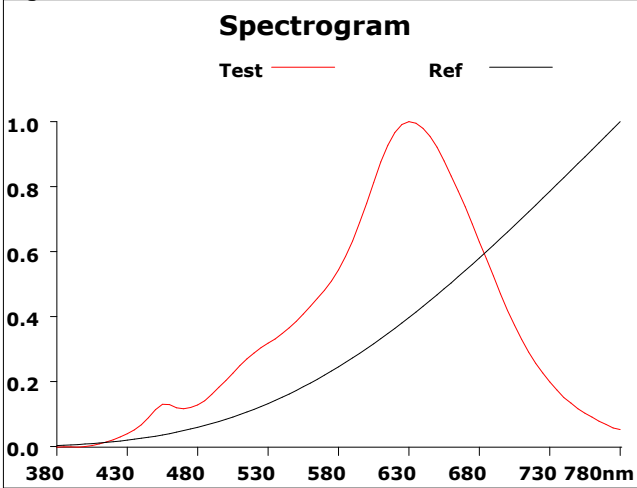
Ra: 95.5 AvgR: 94.1
R1: 99.3 R2: 98.3 R3: 98.0 R4: 98.9 R5: 98.5 R6: 92.4 R7: 92.0 R8: 86.9
R9: 74.8 R10: 97.2 R11: 94.0 R12: 89.0 R13: 99.1 R14: 99.0 R15: 94.2

CCT: 2210 K Flux: 4433.911 lm PeakWave: 630.5 nm SDCM: 2.1
S/P: 1.1 CentralWave: 632.7 nm DominantWave: 587.6 nm CentroidWave: 618.9 nm
HalfWidth: 117.5 nm duv: -0.00127 purity: 74.1 % CQS: 80.7
LER(TM-30): 242.9 Ep: 18254.1 mw Rg: 101.0 Rf: 94.4
Red Ep: 10113.5 mw Near red Ep: 1784.6 mw Near infrared Ep: 111.1 mw

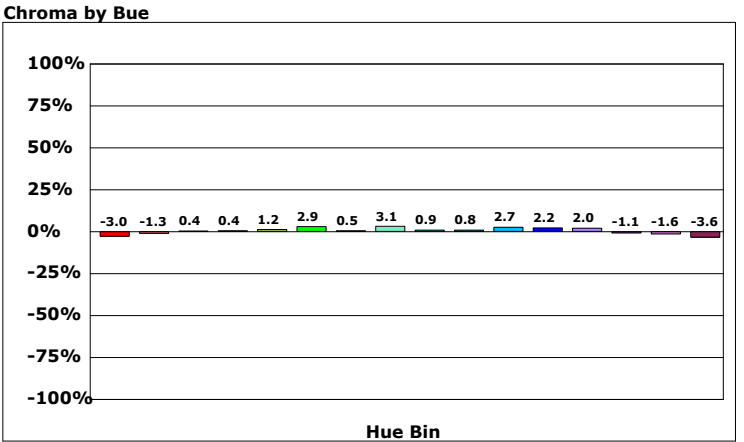
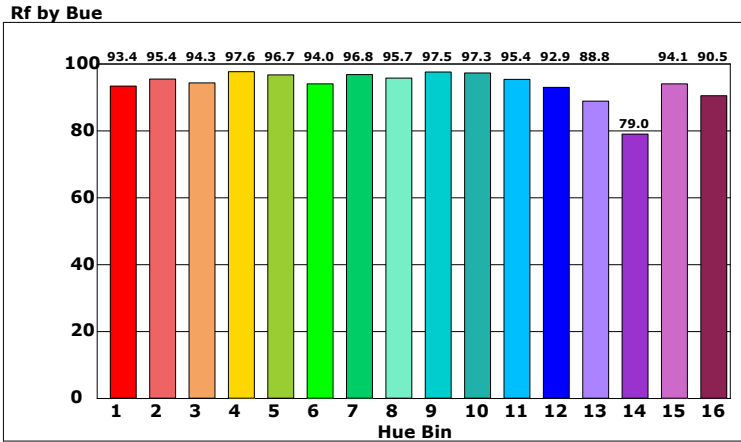
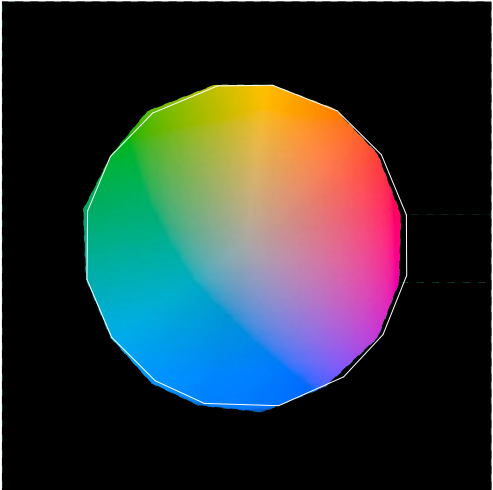
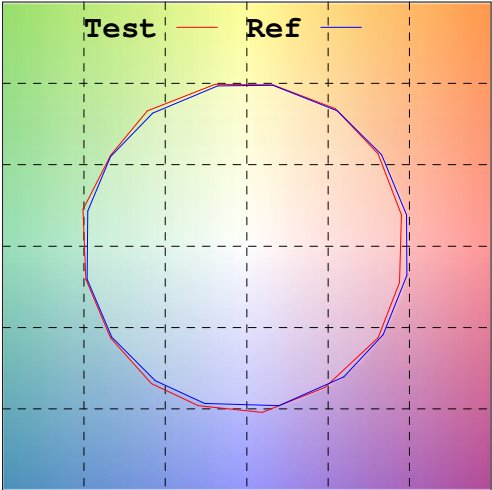
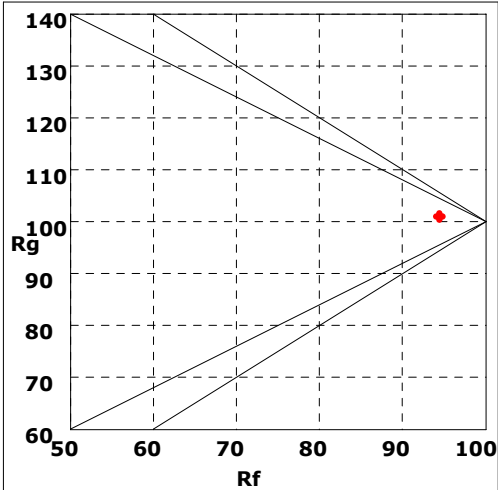
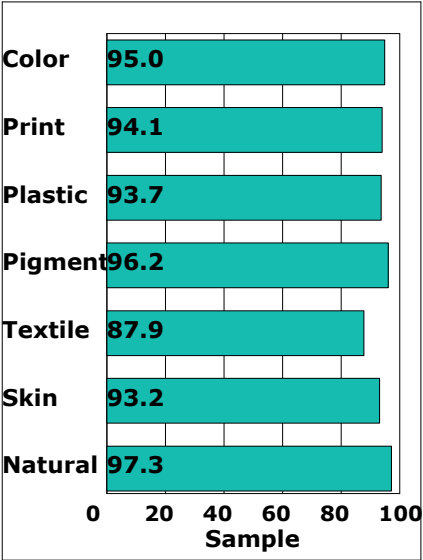
Electrical parameters:

Effic: 19.7 Lm/W Energy: 21.4 Effi: G
U: 219.4 V I: 1.464 A P: 225.500 W Pf: 0.702

Rf: 94.4 CCT: 2210K u': 0.2896
Rg: 101.0 LER: 242.9 Duv: -0.00127 v': 0.5340



500			
Hue Bin	Rf	Chroma	Hue
1	93.4	-3.0%	0.6%
2	95.4	-1.3%	1.7%
3	94.3	0.4%	2.1%
4	97.6	0.4%	-0.2%
5	96.7	1.2%	1.3%
6	94.0	2.9%	1.9%
7	96.8	0.5%	-1.0%
8	95.7	3.1%	-0.3%
9	97.5	0.9%	-0.1%
10	97.3	0.8%	-0.3%
11	95.4	2.7%	-1.1%
12	92.9	2.2%	-3.6%
13	88.8	2.0%	-10.8%
14	79.0	-1.1%	-13.2%
15	94.1	-1.6%	-3.3%
16	90.5	-3.6%	-5.1%



Product model:
Product number:
Tester:
Remarks:

Manufacturer: Guangzhou Hotion Technology Co.,
Test unit:
Date of observation: 06/29/14

