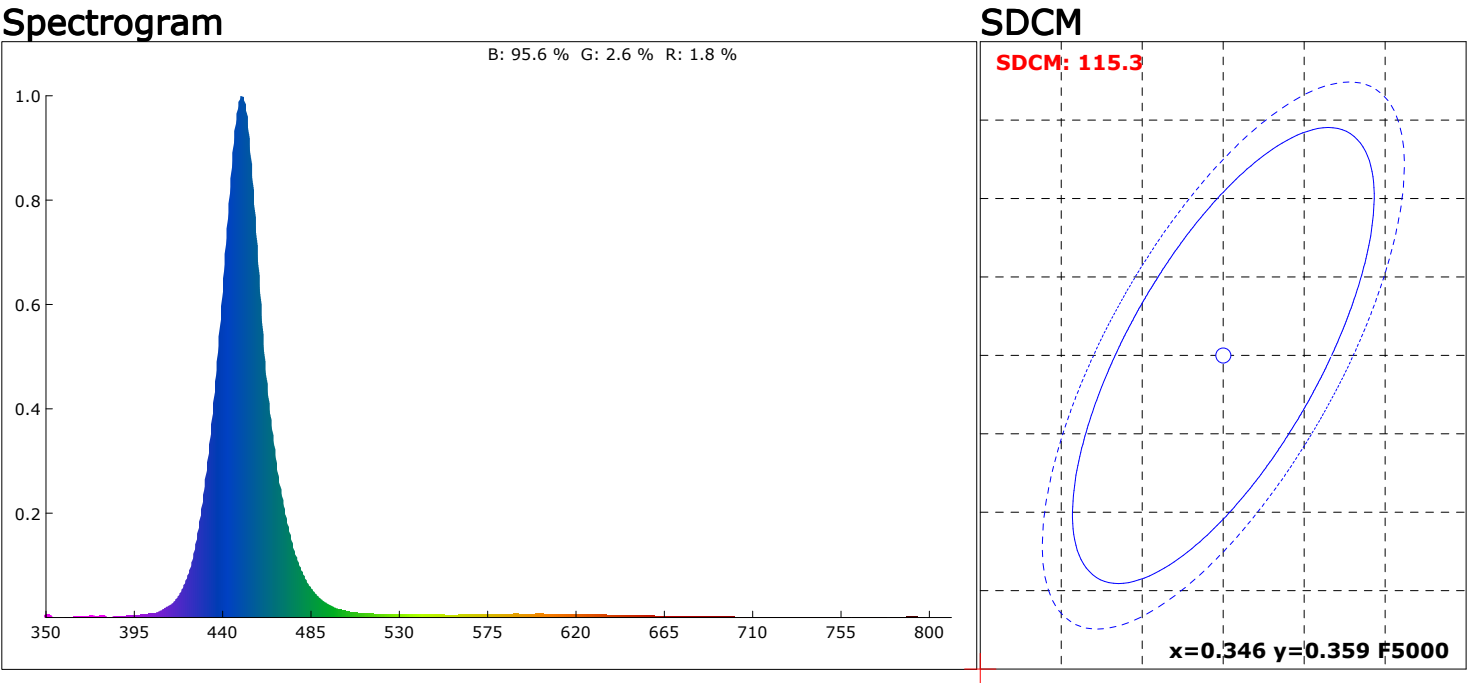




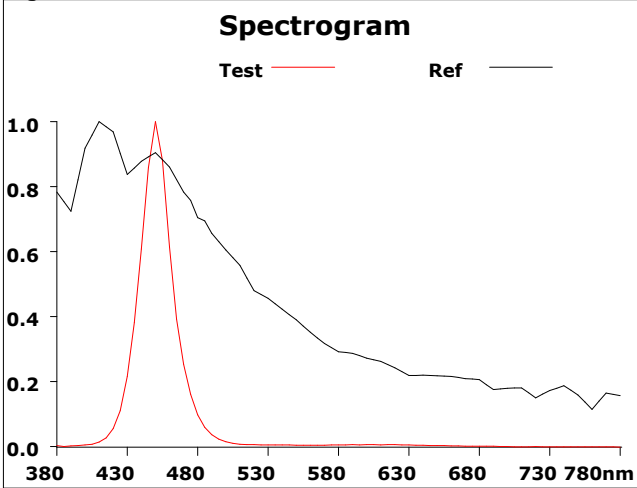
Color Parameter:

x: 0.1598	y: 0.0369	u: 0.2047	v: 0.0709	u': 0.2047	v': 0.1064		
R_ratio: 1.8 %	G_ratio: 2.6 %	B_ratio: 95.6 %	RedRatio: 6.2 %	GreenRatio: 31.5 %	BlueRatio: 62.3 %		
Ra: -37.9							
AvgR: -33.6							
R1: 64.6	R2: -41.0	R3: -99.0	R4: -82.8	R5: 61.7	R6: -34.6	R7: -61.1	R8: -34.7
R9: -32.8	R10: -99.0	R11: -95.2	R12: -94.7	R13: 23.6	R14: -38.1	R15: 58.5	
CCT: 99999 K							
Flux: 405.225 lm		PeakWave: 449.6 nm		SDCM: 115.3			
S/P: 16.2		CentralWave: 449.8 nm		DominantWave: 454.7 nm		CentroidWave: 458.0 nm	
HalfWidth: 23.5 nm		duv: 0.15092		purity: 95.3 %		CQS: 0.2	
LER(TM-30): 47.3		Ep: 8566.3 mw		Rg: nan		Rf: -nan(ind)	
Red Ep: 153.6 mw		Near red Ep: 31.3 mw		Near infrared Ep: 11.1 mw			

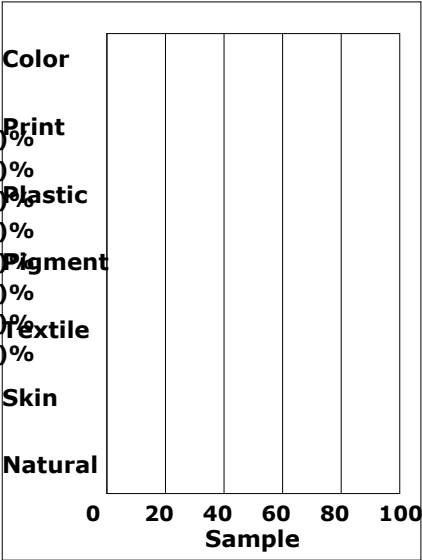
Electrical parameters:

Effic: 4.1 Lm/W	Energy: 4.5	Effi: G	
U: 219.3 V	I: 0.692 A	P: 98.560 W	Pf: 0.649

Rf: -nan(ind) CCT: 99999K u': 0.2047
Rg: nan LER: 47.3 Duv: 0.15092 v': 0.1064



500			
Hue Bin	Rf	Chroma	Hue
1	0.0	-124.8%	62.2%
2	0.0	59.1%	-57.6%
3	-nan(ind)	nan%	-nan(ind)%
4	-nan(ind)	nan%	-nan(ind)%
5	-nan(ind)	nan%	-nan(ind)%
6	-nan(ind)	nan%	-nan(ind)%
7	-nan(ind)	nan%	-nan(ind)%
8	-nan(ind)	nan%	-nan(ind)%
9	-nan(ind)	nan%	-nan(ind)%
10	-nan(ind)	nan%	-nan(ind)%
11	0.0	28.9%	-240.4%
12	0.0	-65.1%	-369.4%
13	0.0	-214.1%	-332.0%
14	0.0	-323.0%	-248.7%
15	0.0	-432.8%	-153.8%
16	0.0	-343.4%	13.5%



ERROR: rangecheck
OFFENDING COMMAND: roll

STACK:

2
4
-2.14748e+011
-2.14748e+012