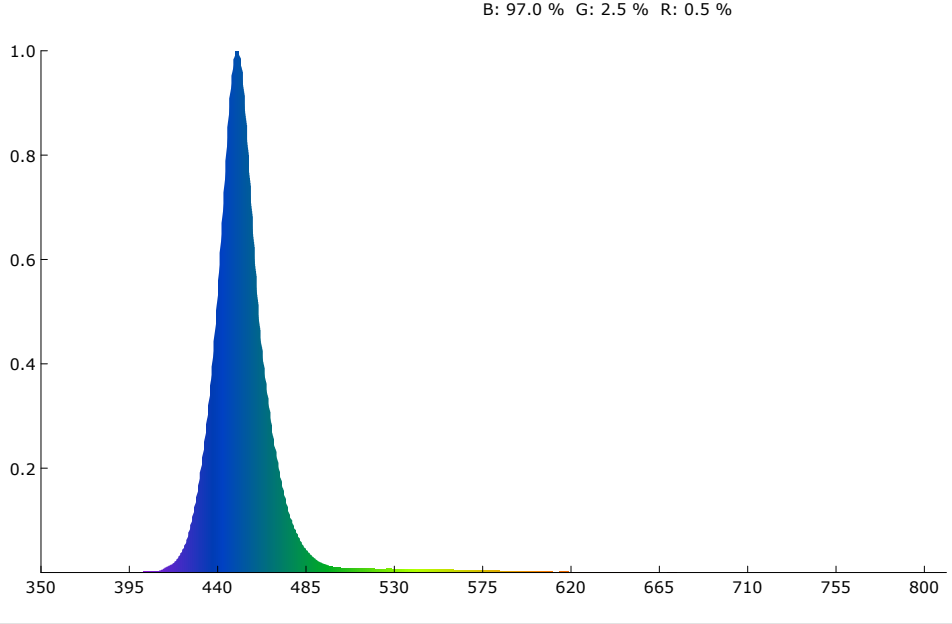
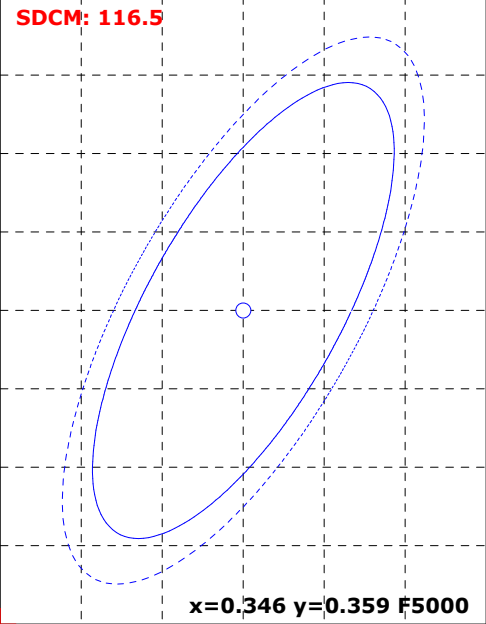


Spectrogram



SDCM



Color Parameter:

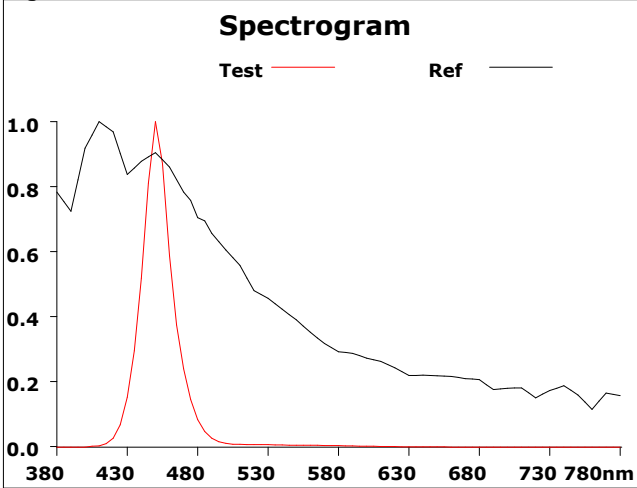
x: 0.1560	y: 0.0350	u: 0.2008	v: 0.0676	u': 0.2008	v': 0.1014		
R_ratio: 0.5 %	G_ratio: 2.5 %	B_ratio: 97.0 %	RedRatio: 2.3 %	GreenRatio: 30.9 %	BlueRatio: 66.7 %		
Ra: -45.1 AvgR: -44.1							
R1: 25.4	R2: -25.1	R3: -99.0	R4: -99.0	R5: 34.9	R6: -28.3	R7: -58.0	R8: -49.6
R9: -99.0	R10: -99.0	R11: -99.0	R12: -83.1	R13: 15.4	R14: -33.7	R15: 34.9	

CCT: 99999 K	Flux: 27.775 lm	PeakWave: 450.6 nm	SDCM: 116.5
S/P: 17.3	CentralWave: 450.6 nm	DominantWave: 456.1 nm	CentroidWave: 455.2 nm
HalfWidth: 21.2 nm	duv: 0.15644	purity: 96.5 %	CQS: 0.2
LER(TM-30): 46.4	Ep: 598.4 mw	Rg: nan	Rf: -nan(ind)
Red Ep: 3.1 mw	Near red Ep: 0.0 mw	Near infrared Ep: 0.0 mw	

Electrical parameters:

Effic: 1.4 Lm/W	Energy: 1.5	Effi: G	
U: 220.5 V	I: 0.168 A	P: 20.240 W	Pf: 0.544

Rf: -nan(ind) CCT: 99999K u': 0.2008
Rg: nan LER: 46.4 Duv: 0.15644 v': 0.1014



500			
Hue Bin	Rf	Chroma	Hue
1	0.0	-174.7%	62.6%
2	7.2	22.0%	-23.4%
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	0.0	45.5%	-57.0%
11	0.0	36.2%	-240.0%
12	0.0	-54.3%	-374.8%
13	0.0	-205.1%	-338.0%
14	0.0	-319.7%	-263.9%
15	0.0	-445.4%	-180.5%
16	0.0	-355.8%	-0.8%



ERROR: rangecheck
OFFENDING COMMAND: roll

STACK:

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