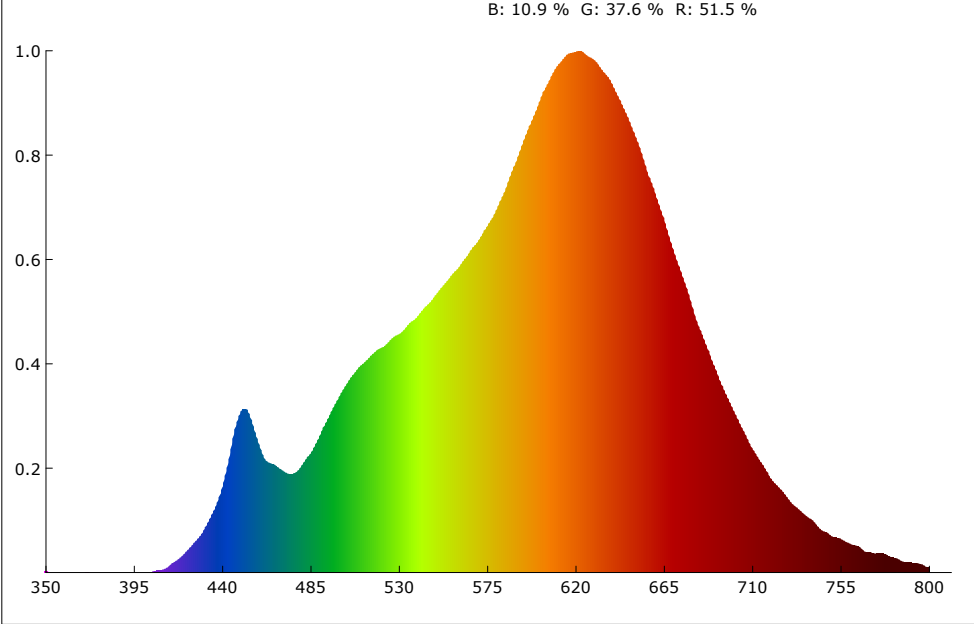
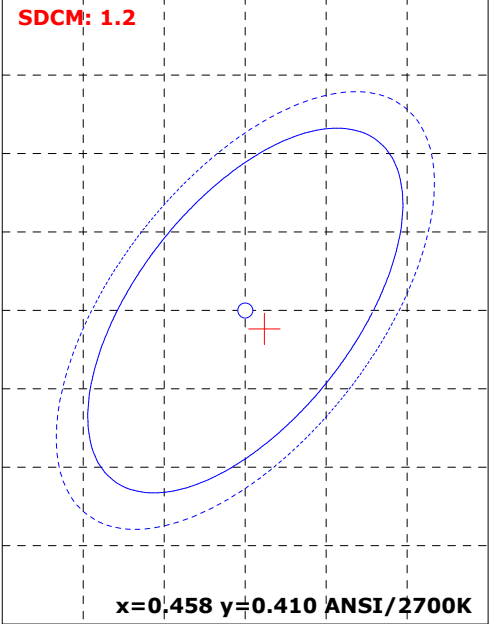


Spectrogram



SDCM



Color Parameter:

x: 0.4590	y: 0.4089	u: 0.2627	v: 0.3510	u': 0.2627	v': 0.5265		
R_ratio: 51.5 %	G_ratio: 37.6 %	B_ratio: 10.9 %	RedRatio: 26.1 %	GreenRatio: 72.3 %	BlueRatio: 1.6 %		
Ra: 94.6		AvgR: 93.1					
R1: 95.8	R2: 98.8	R3: 98.4	R4: 96.4	R5: 96.7	R6: 97.1	R7: 91.4	R8: 82.5
R9: 62.9	R10: 97.2	R11: 98.4	R12: 93.4	R13: 96.9	R14: 99.5	R15: 90.6	
CCT: 2698 K		Flux: 519.037 lm	PeakWave: 621.6 nm	SDCM: 1.2			
S/P: 1.3		CentralWave: 610.8 nm	DominantWave: 584.4 nm	CentroidWave: 599.6 nm			
HalfWidth: 137.3 nm		duv: -0.00061	purity: 60.5 %	CQS: 89.2			
LER(TM-30): 281.0		Ep: 1847.1 mw	Rg: 99.5	Rf: 93.5			
Red Ep: 890.3 mw		Near red Ep: 114.1 mw	Near infrared Ep: 5.1 mw				

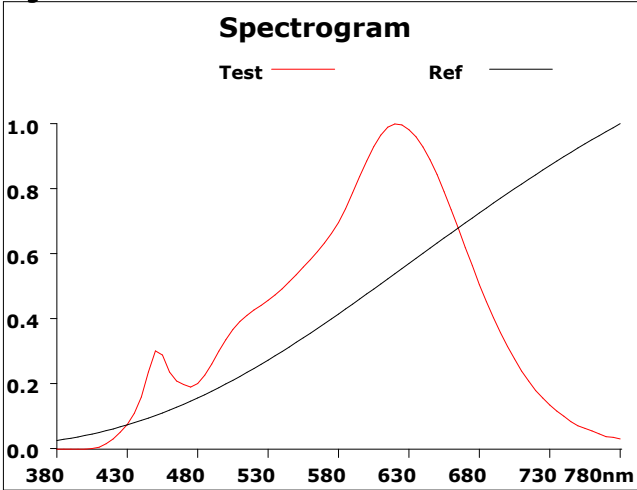
Electrical parameters:

Effic: 35.9 lm/W	Energy: 39.1	Effi: G	
U: 220.7 V	I: 0.085 A	P: 14.460 W	Pf: 0.768

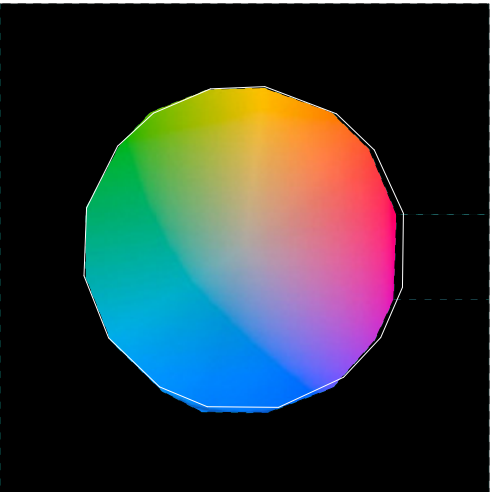
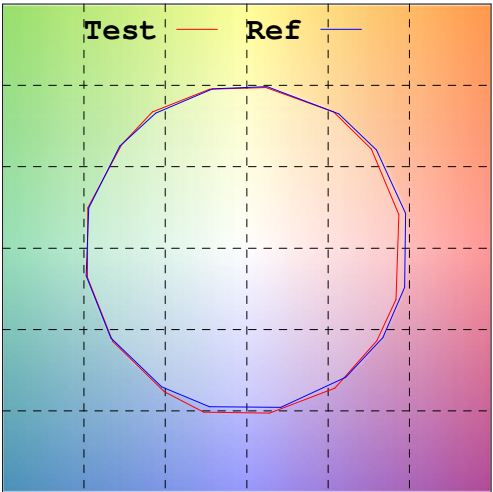
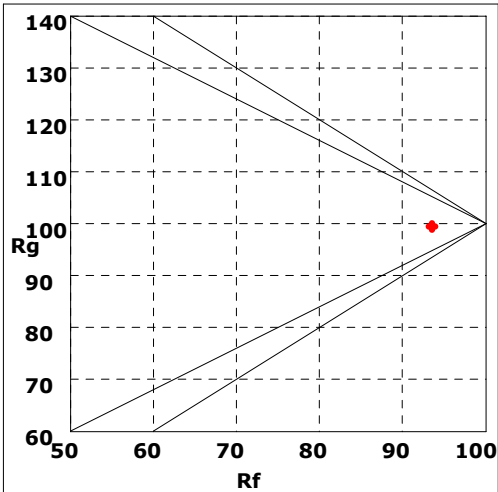
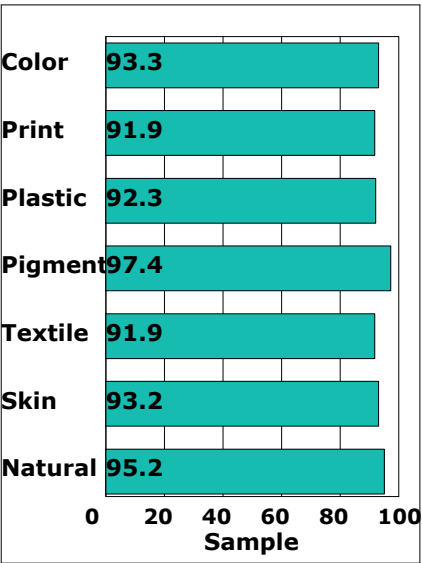
Product model:
Product number:
Tester:
Remarks:

Manufacturer:
Test unit:
Date of observation: 10/13/23

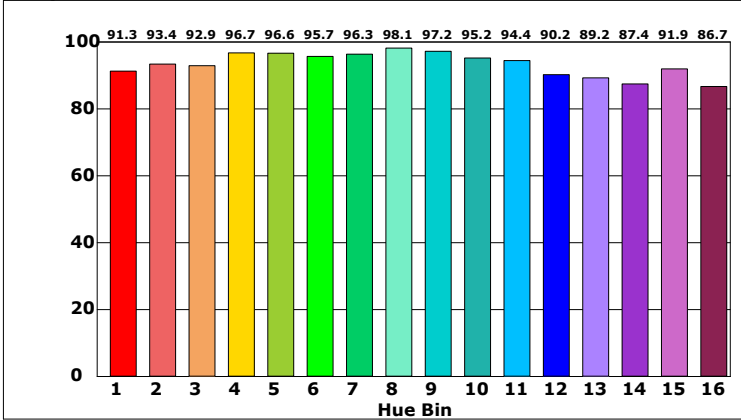
Rf: 93.5 CCT: 2698K u': 0.2627
Rg: 99.5 LER: 281.0 Duv: -0.00061 v': 0.5265



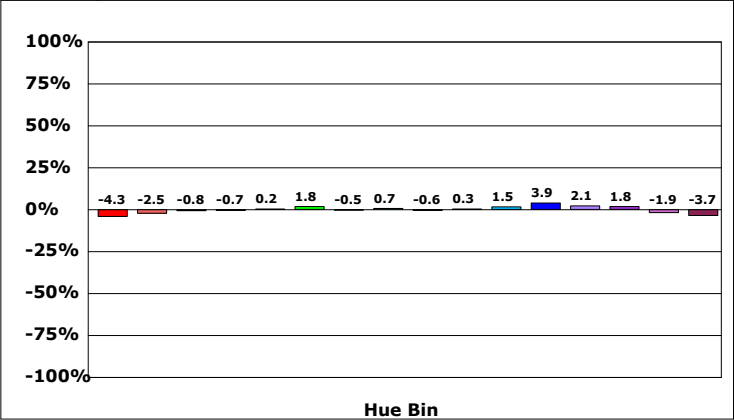
500			
Hue Bin	Rf	Chroma	Hue
1	91.3	-4.3%	0.1%
2	93.4	-2.5%	2.2%
3	92.9	-0.8%	3.2%
4	96.7	-0.7%	0.6%
5	96.6	0.2%	1.6%
6	95.7	1.8%	1.2%
7	96.3	-0.5%	-1.3%
8	98.1	0.7%	0.2%
9	97.2	-0.6%	1.1%
10	95.2	0.3%	2.4%
11	94.4	1.5%	3.0%
12	90.2	3.9%	-2.6%
13	89.2	2.1%	-7.3%
14	87.4	1.8%	-9.3%
15	91.9	-1.9%	-3.9%
16	86.7	-3.7%	-8.4%



Rf by Bue

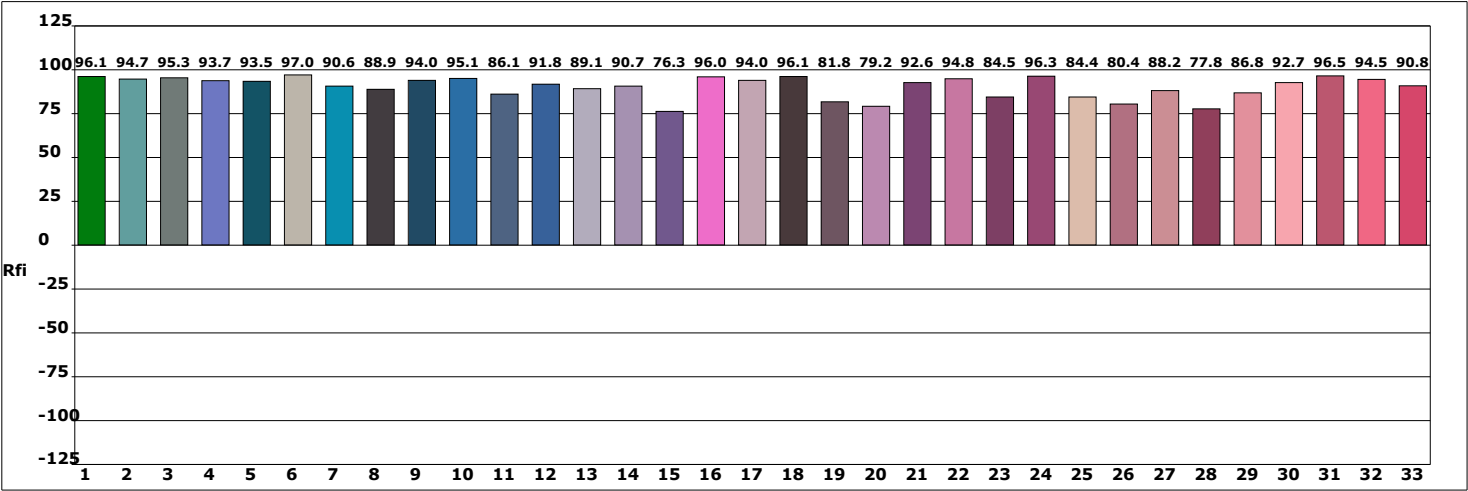
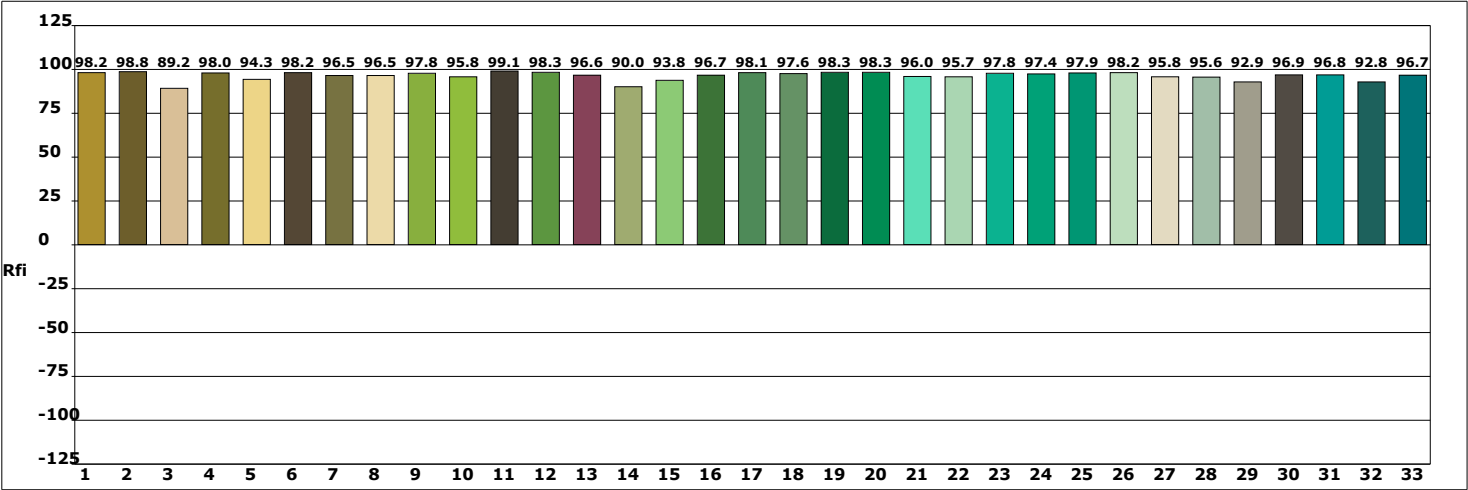
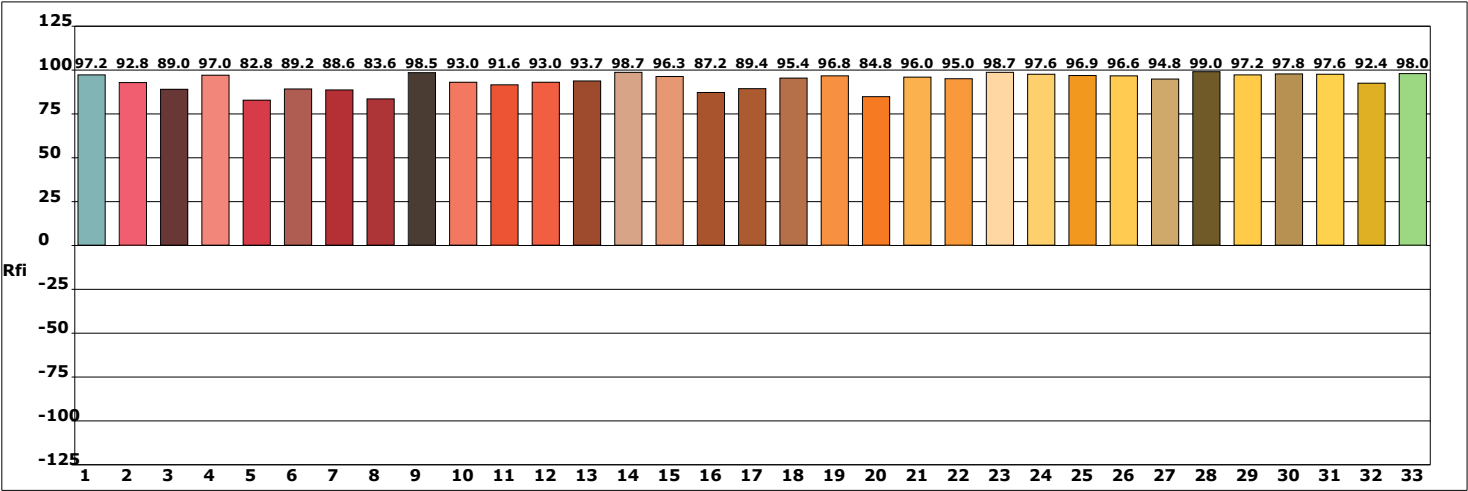


Chroma by Bue



Product model:
Product number:
Tester:
Remarks:

Manufacturer:
Test unit:
Date of observation: 10/13/23



Product model:
Product number:
Tester:
Remarks:

Manufacturer:
Test unit:
Date of observation: 10/13/23