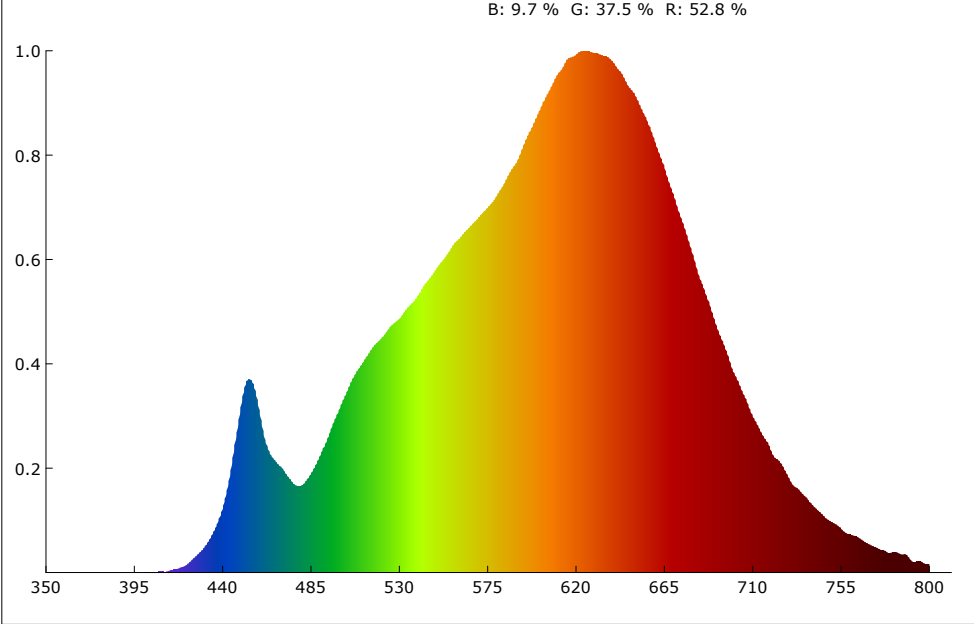
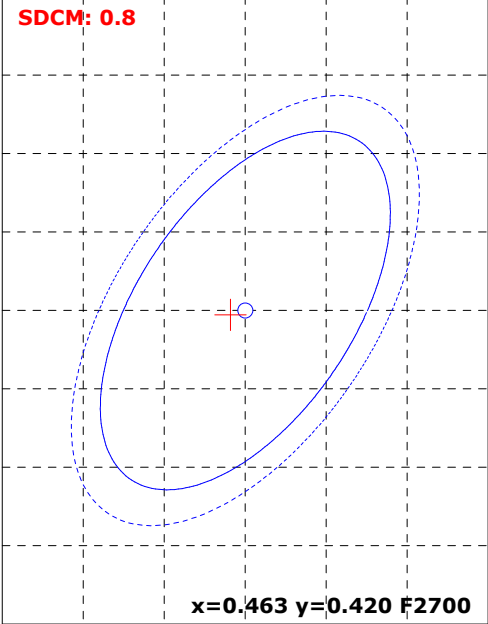


Spectrogram



SDCM



Color Parameter:

x: 0.4641	y: 0.4197	u: 0.2612	v: 0.3543	u': 0.2612	v': 0.5314
R_ratio: 52.8 %	G_ratio: 37.5 %	B_ratio: 9.7 %	RedRatio: 25.4 %	GreenRatio: 73.1 %	BlueRatio: 1.4 %
Ra: 89.0	AvgR: 86.9				
R1: 90.2	R2: 93.1	R3: 95.1	R4: 93.7	R5: 88.9	R6: 85.6
R7: 86.1	R8: 79.7	R9: 64.8	R10: 87.2	R11: 94.9	R12: 72.5
R13: 89.4	R14: 95.8	R15: 86.1			
CCT: 2710 K	Flux: 1233.895 lm	PeakWave: 623.6 nm	SDCM: 0.8		
S/P: 1.3	CentralWave: 610.8 nm	DominantWave: 583.2 nm	CentroidWave: 604.7 nm		
HalfWidth: 155.2 nm	duv: 0.00298	purity: 65.3 %	CQS: 89.4		
LER(TM-30): 274.3	Ep: 4499.1 mw	Rg: 98.8	Rf: 92.2		
Red Ep: 2189.6 mw	Near red Ep: 338.4 mw	Near infrared Ep: 16.0 mw			

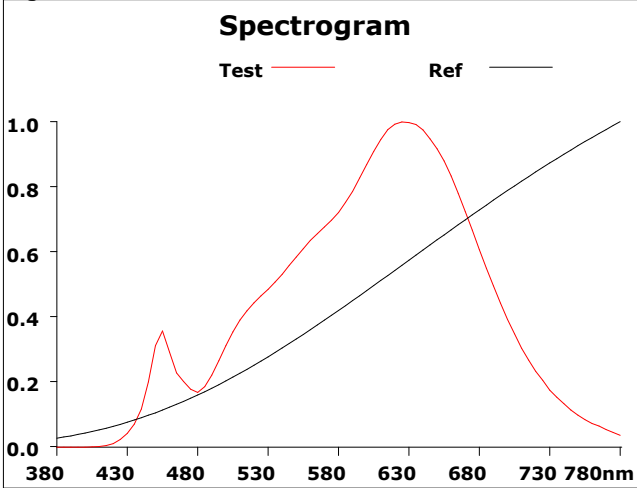
Electrical parameters:

Effic: 72.4 Lm/W	Energy: 78.9	Effi: G	
U: 220.2 V	I: 0.078 A	P: 17.040 W	Pf: 0.984

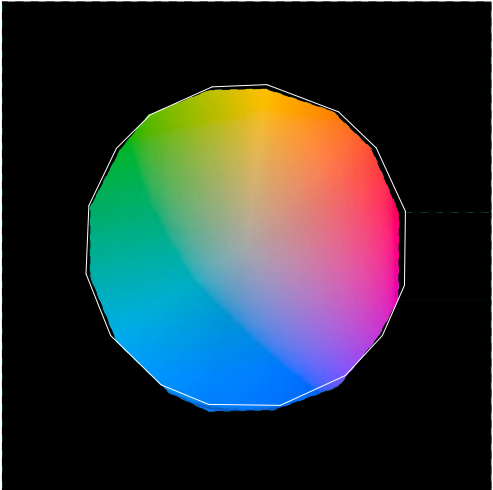
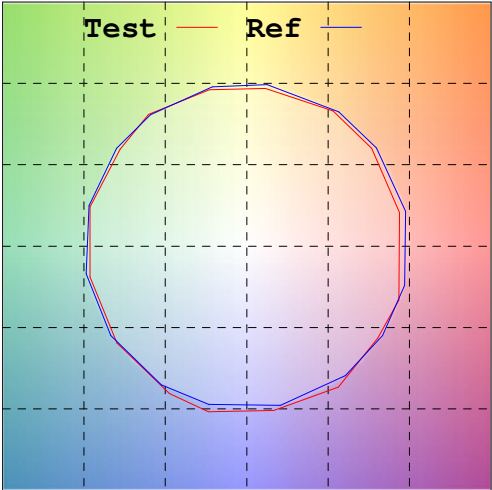
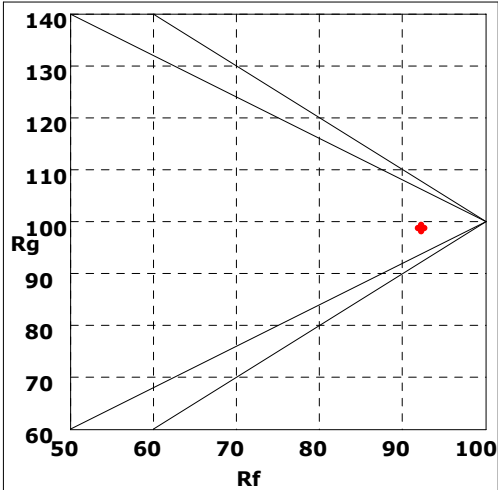
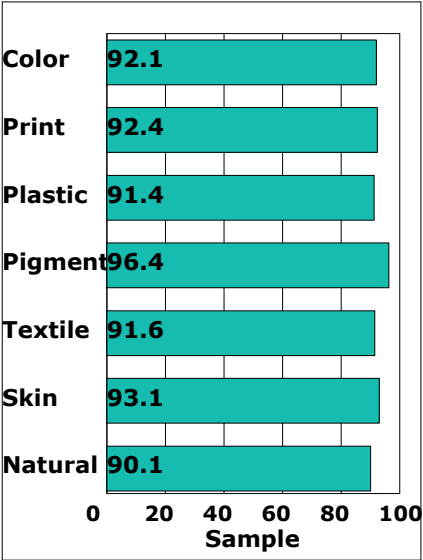
Product model:
Product number:
Tester:
Remarks:

Manufacturer:
Test unit:
Date of observation: 10/12/23

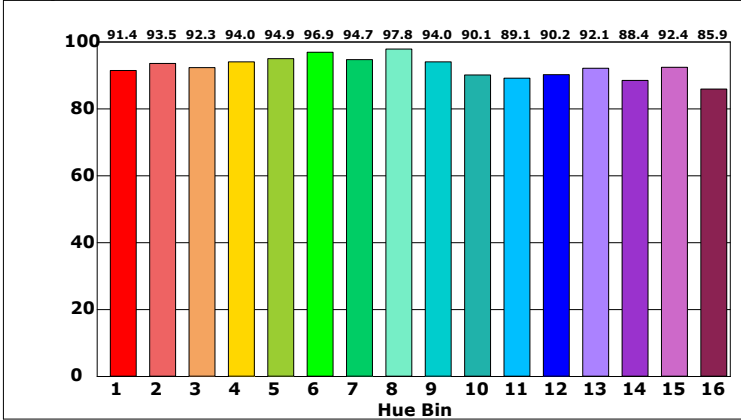
Rf: 92.2 CCT: 2710K u': 0.2612
Rg: 98.8 LER: 274.3 Duv: 0.00298 v': 0.5314



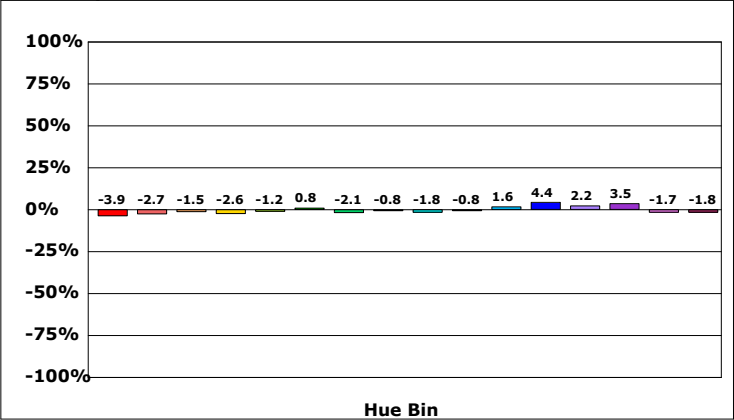
500			
Hue Bin	Rf	Chroma	Hue
1	91.4	-3.9%	0.0%
2	93.5	-2.7%	1.4%
3	92.3	-1.5%	3.0%
4	94.0	-2.6%	0.6%
5	94.9	-1.2%	2.2%
6	96.9	0.8%	0.9%
7	94.7	-2.1%	-0.8%
8	97.8	-0.8%	0.5%
9	94.0	-1.8%	2.4%
10	90.1	-0.8%	5.8%
11	89.1	1.6%	7.2%
12	90.2	4.4%	0.5%
13	92.1	2.2%	-4.7%
14	88.4	3.5%	-7.5%
15	92.4	-1.7%	-2.9%
16	85.9	-1.8%	-9.6%



Rf by Bue

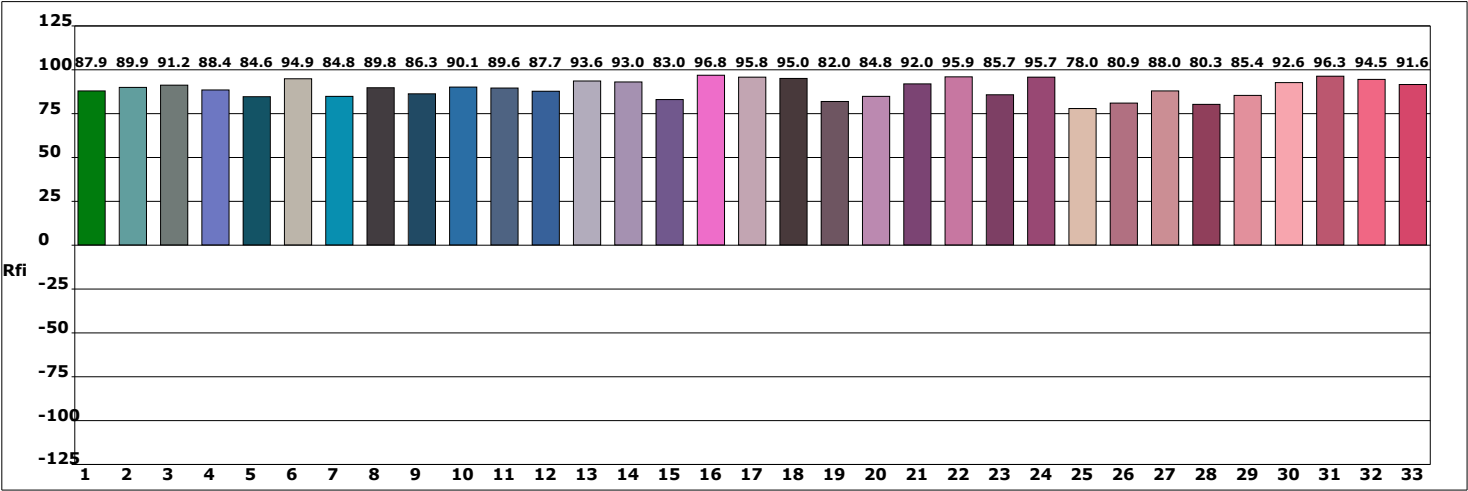
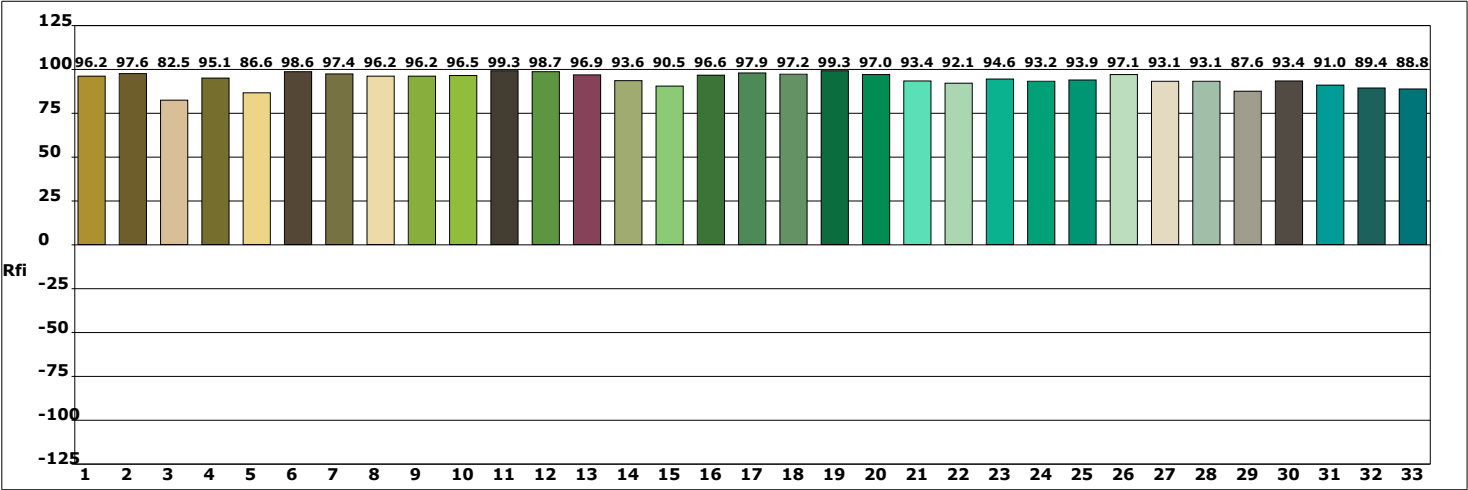
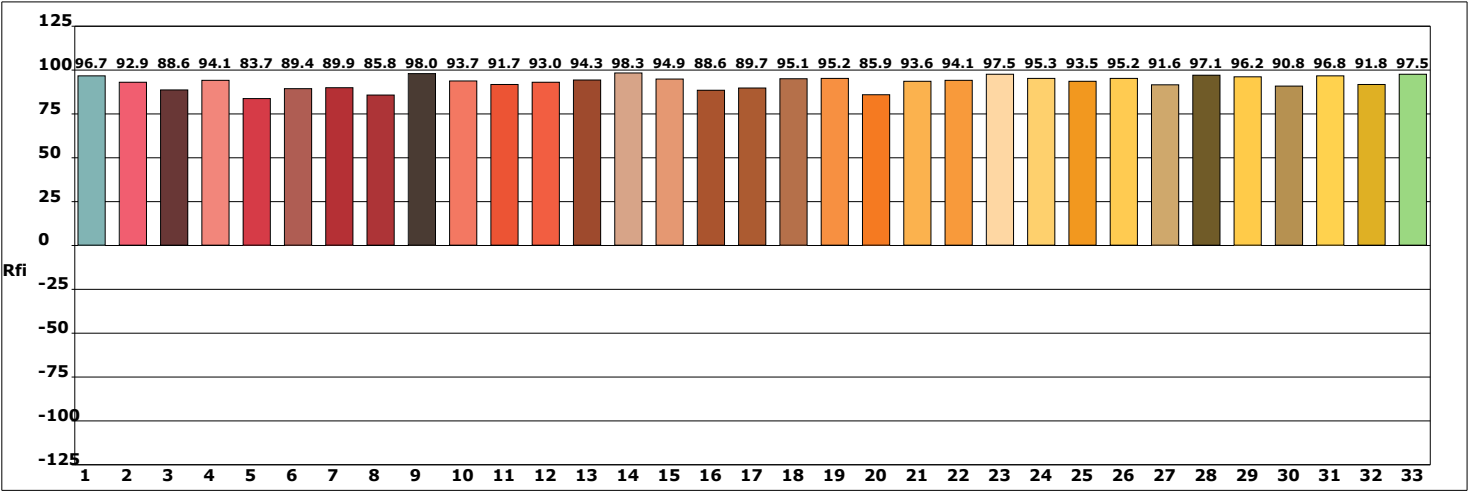


Chroma by Bue



Product model:
Product number:
Tester:
Remarks:

Manufacturer:
Test unit:
Date of observation: 10/12/23



Product model:
Product number:
Tester:
Remarks:

Manufacturer:
Test unit:
Date of observation: 10/12/23