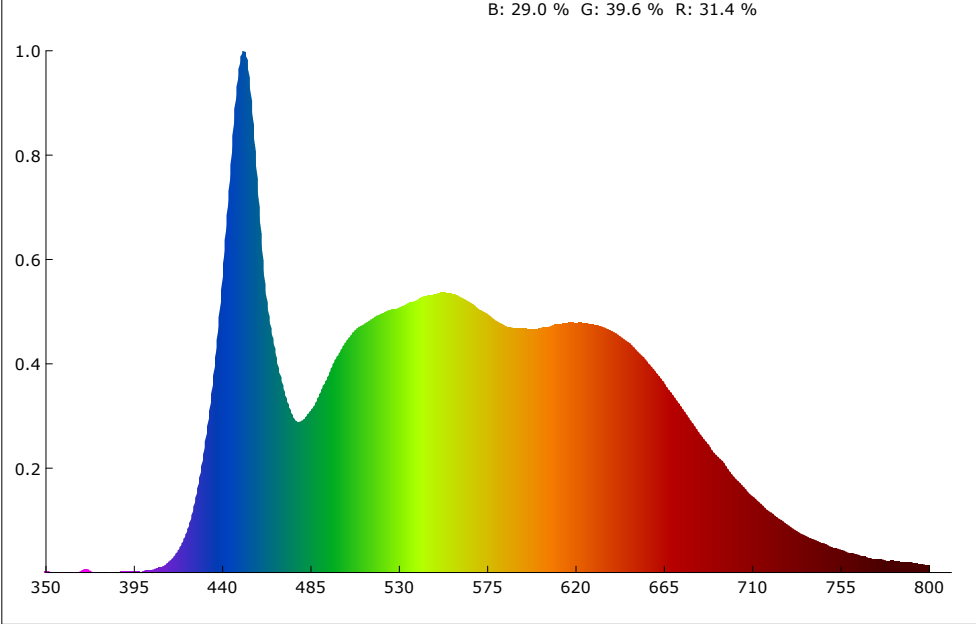
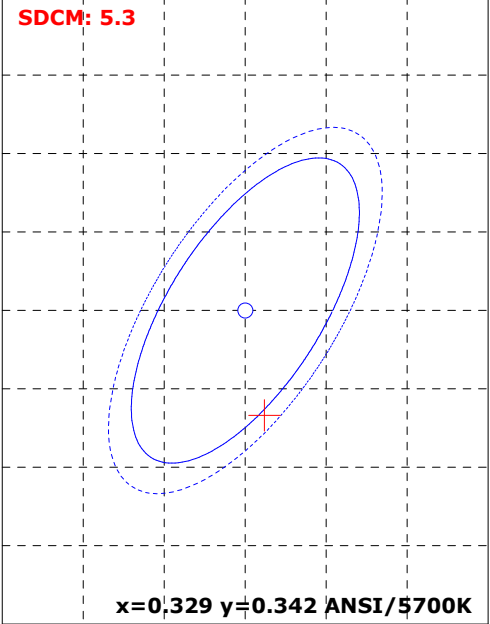


Spectrogram



SDCM



Color Parameter:

x: 0.3299	y: 0.3350	u: 0.2075	v: 0.3160	u': 0.2075	v': 0.4740
R_ratio: 31.4 %	G_ratio: 39.6 %	B_ratio: 29.0 %	RedRatio: 16.2 %	GreenRatio: 80.0 %	BlueRatio: 3.8 %
Ra: 94.5	AvgR: 93.0				
R1: 96.8	R2: 94.9	R3: 90.3	R4: 94.5	R5: 96.3	R6: 90.9
R7: 95.6	R8: 97.1	R9: 92.8	R10: 86.5	R11: 93.9	R12: 75.0
R13: 96.4	R14: 94.3	R15: 99.4			
CCT: 5617 K	Flux: 2634.304 lm	PeakWave: 450.6 nm	SDCM: 5.3		
S/P: 2.2	CentralWave: 451.4 nm	DominantWave: 498.2 nm	CentroidWave: 561.7 nm		
HalfWidth: 24.5 nm	duv: -0.00204	purity: 1.1 %	CQS: 88.0		
LER(TM-30): 270.4	Ep: 9743.3 mw	Rg: 102.2	Rf: 90.2		
Red Ep: 2901.9 mw	Near red Ep: 462.9 mw	Near infrared Ep: 30.6 mw			

Electrical parameters:

Effic: 28.5 Lm/W	Energy: 31.1	Effi: G	
U: 221.3 V	I: 0.513 A	P: 92.380 W	Pf: 0.812

Product model:

Product number:

Tester:

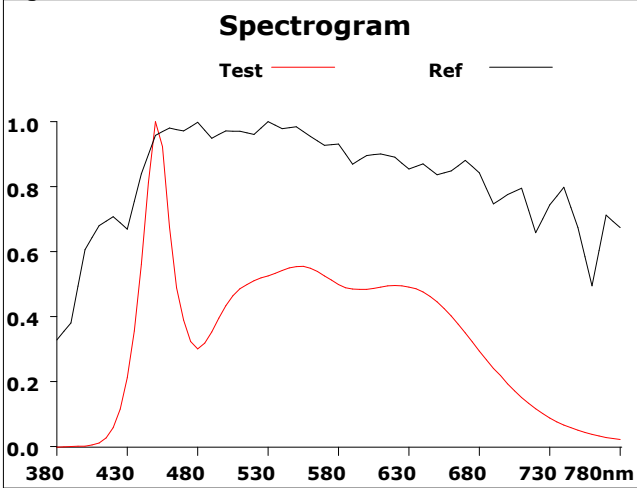
Remarks:

Manufacturer:

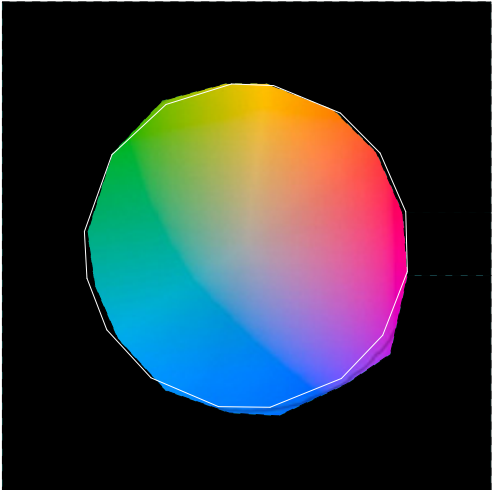
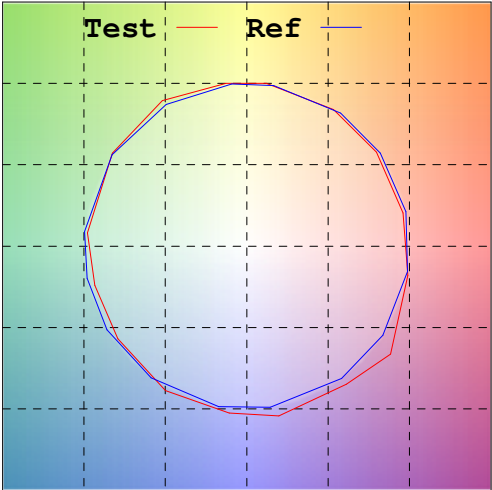
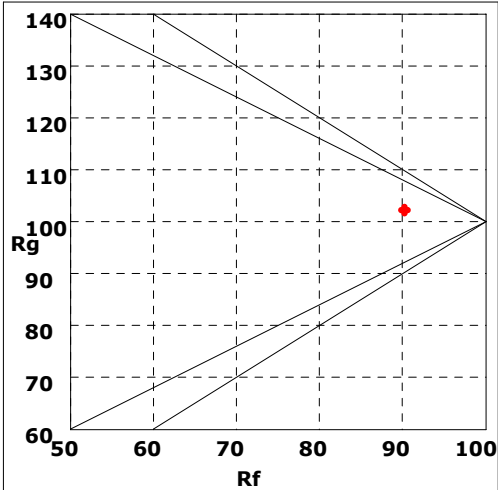
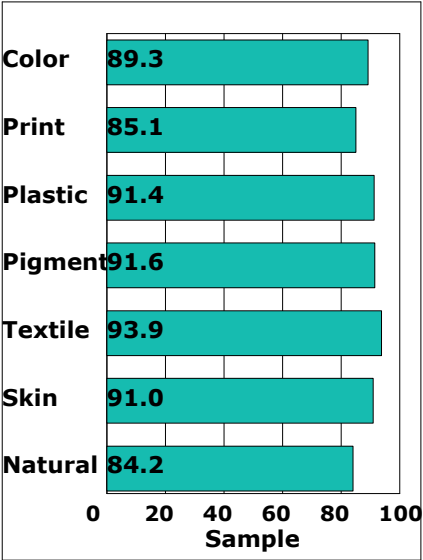
Test unit:

Date of observation: 10/12/23

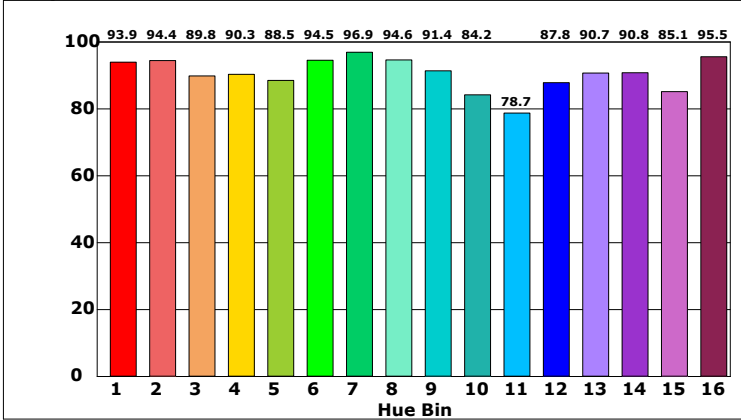
Rf: 90.2 CCT: 5617K u': 0.2075
Rg: 102.2 LER: 270.4 Duv: -0.00204 v': 0.4740



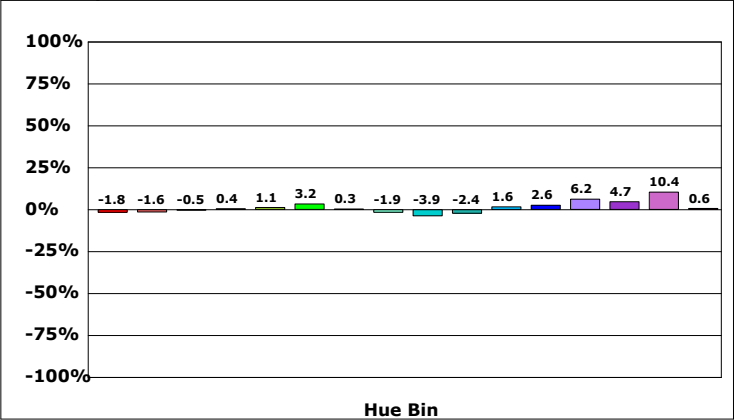
500			
Hue Bin	Rf	Chroma	Hue
1	93.9	-1.8%	-0.5%
2	94.4	-1.6%	1.9%
3	89.8	-0.5%	4.7%
4	90.3	0.4%	4.7%
5	88.5	1.1%	3.4%
6	94.5	3.2%	0.6%
7	96.9	0.3%	-0.9%
8	94.6	-1.9%	0.3%
9	91.4	-3.9%	5.2%
10	84.2	-2.4%	8.4%
11	78.7	1.6%	11.8%
12	87.8	2.6%	7.0%
13	90.7	6.2%	4.1%
14	90.8	4.7%	0.4%
15	85.1	10.4%	-7.2%
16	95.5	0.6%	-2.3%



Rf by Bue

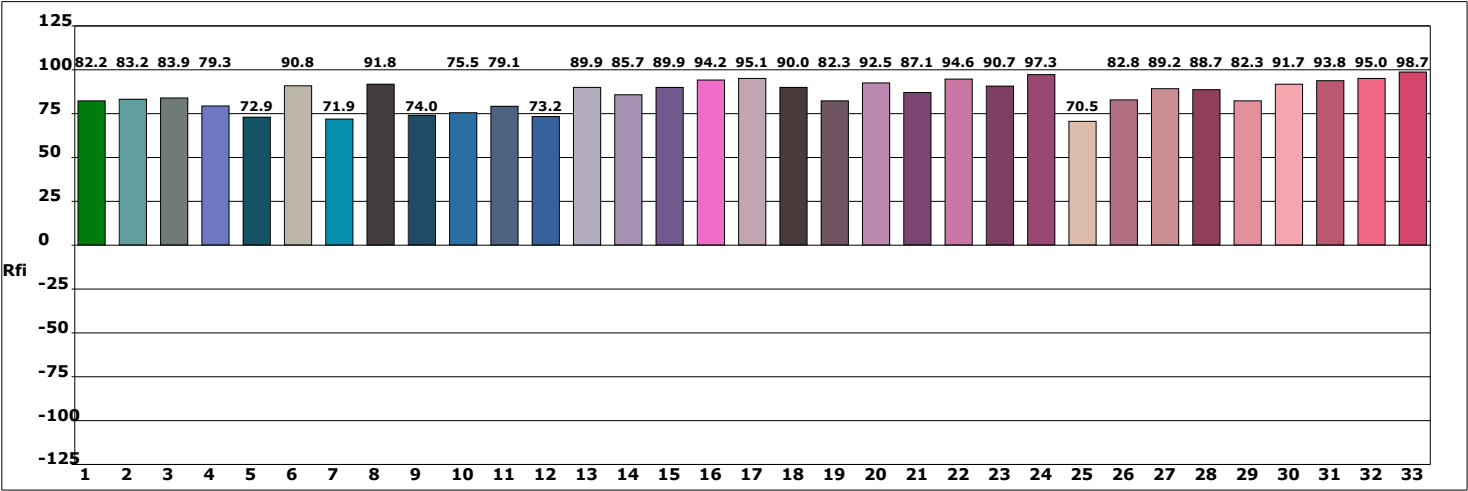
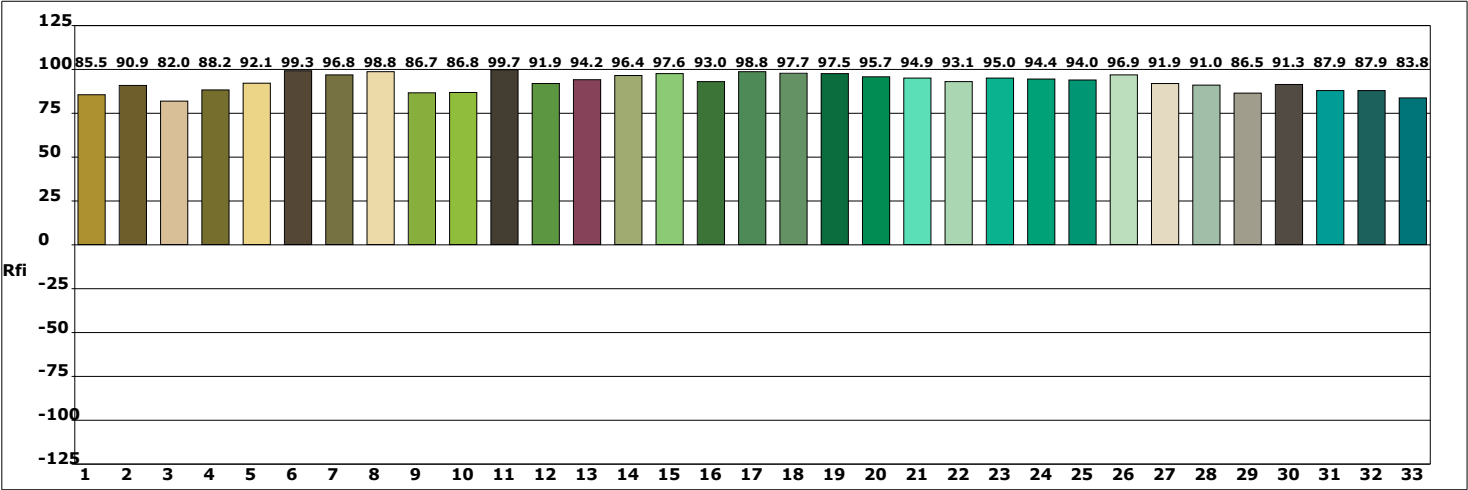
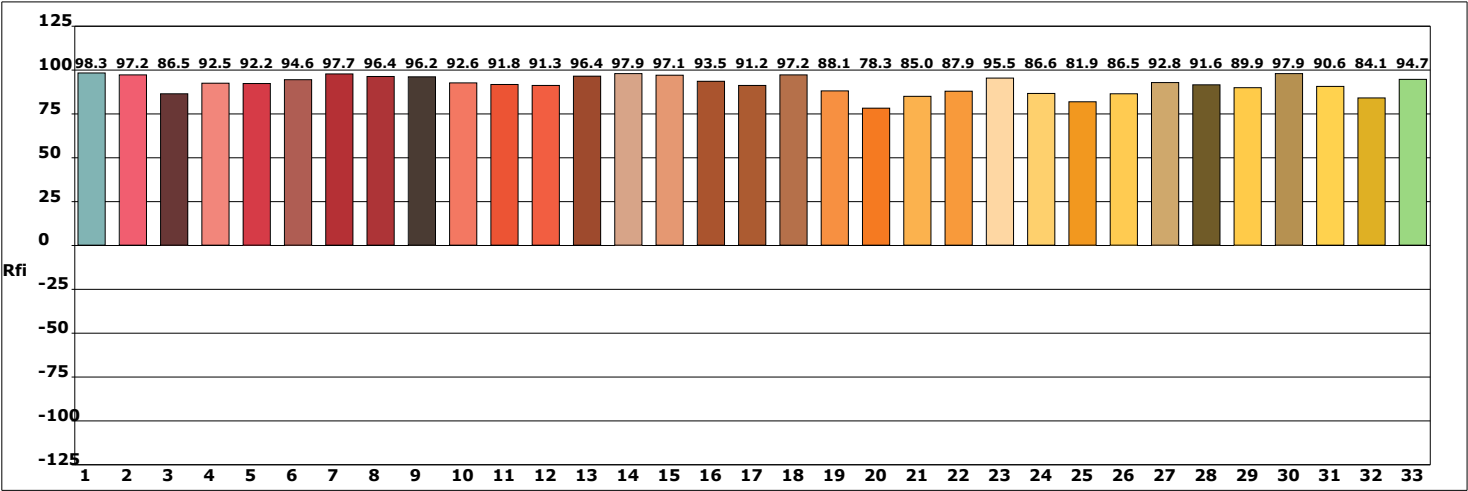


Chroma by Bue



Product model:
Product number:
Tester:
Remarks:

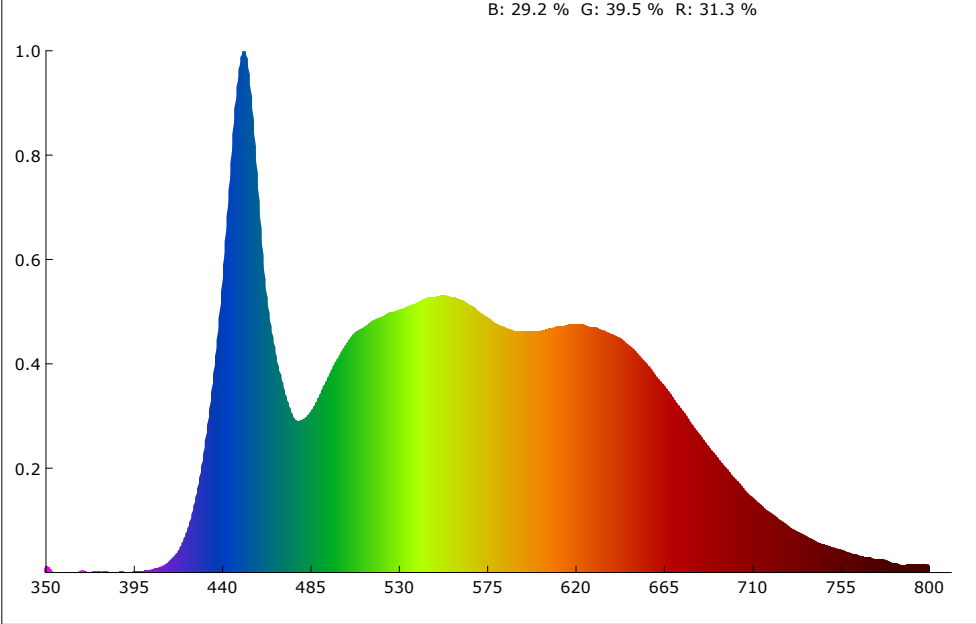
Manufacturer:
Test unit:
Date of observation: 10/12/23



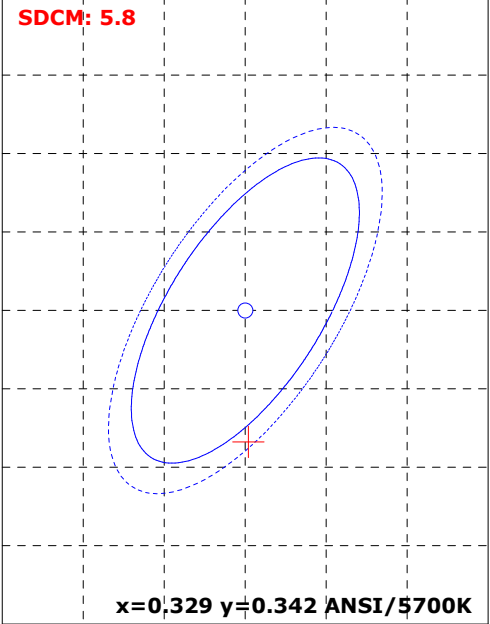
Product model:
Product number:
Tester:
Remarks:

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

Spectrogram



SDCM



Color Parameter:

x: 0.3289	y: 0.3333	u: 0.2074	v: 0.3153	u': 0.2074	v': 0.4729
R_ratio: 31.3 %	G_ratio: 39.5 %	B_ratio: 29.2 %	RedRatio: 16.2 %	GreenRatio: 80.0 %	BlueRatio: 3.9 %
Ra: 94.7	AvgR: 93.3				
R1: 97.1	R2: 95.2	R3: 90.4	R4: 94.6	R5: 96.4	R6: 90.9
R7: 95.7	R8: 97.5	R9: 94.2	R10: 87.1	R11: 94.0	R12: 75.0
R13: 96.8	R14: 94.3	R15: 99.7			
CCT: 5670 K	Flux: 2727.244 lm	PeakWave: 451.6 nm	SDCM: 5.8		
S/P: 2.2	CentralWave: 451.4 nm	DominantWave: 491.7 nm	CentroidWave: 561.2 nm		
HalfWidth: 24.5 nm	duv: -0.00242	purity: 1.5 %	CQS: 87.8		
LER(TM-30): 269.5	Ep: 10118.5 mw	Rg: 102.3	Rf: 90.2		
Red Ep: 3002.3 mw	Near red Ep: 480.6 mw	Near infrared Ep: 27.4 mw			

Electrical parameters:

Effic: 29.4 Lm/W	Energy: 32.0	Effi: G	
U: 221.3 V	I: 0.516 A	P: 92.820 W	Pf: 0.811

Product model:

Product number:

Tester:

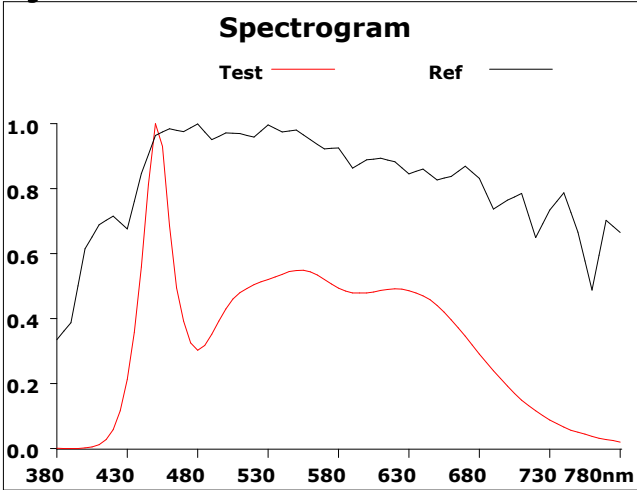
Remarks:

Manufacturer:

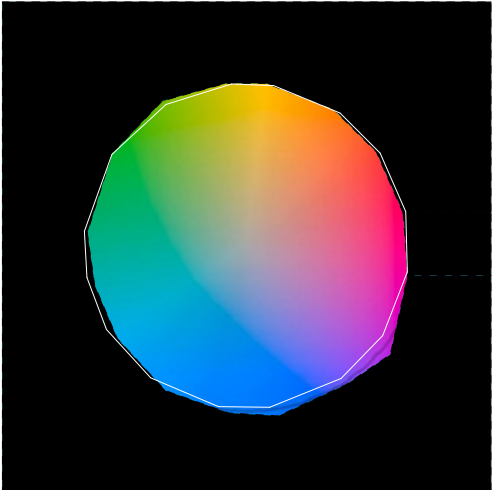
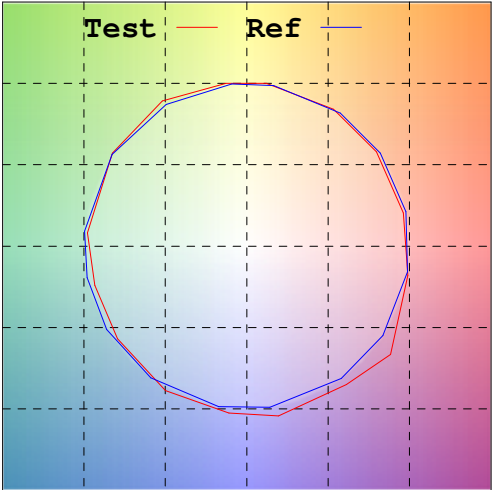
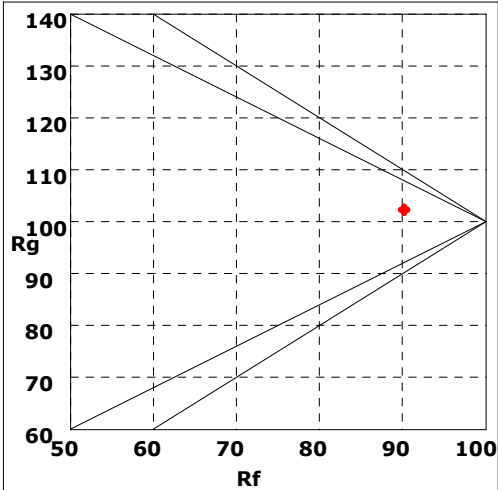
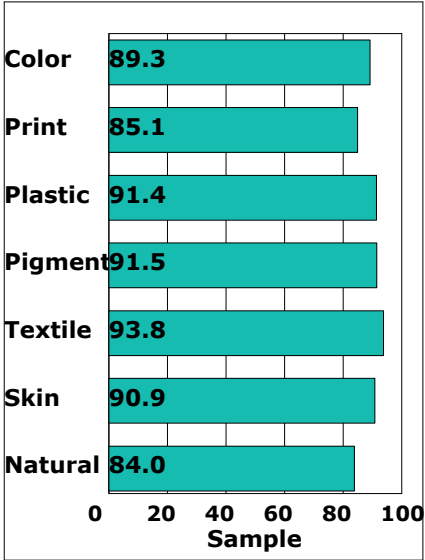
Test unit:

Date of observation: 10/12/23

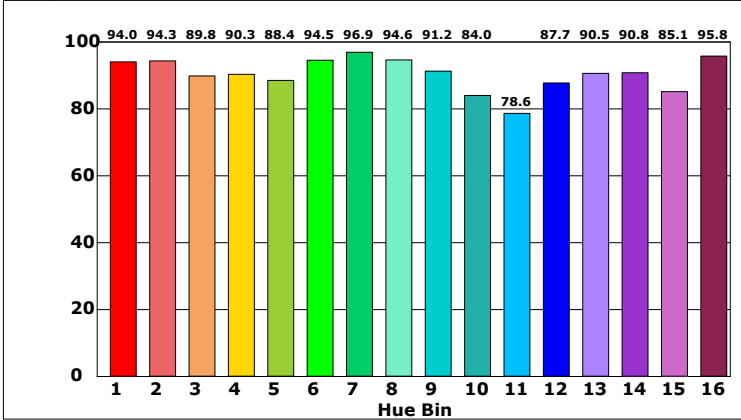
Rf: 90.2 CCT: 5670K u': 0.2074
Rg: 102.3 LER: 269.5 Duv: -0.00242 v': 0.4729



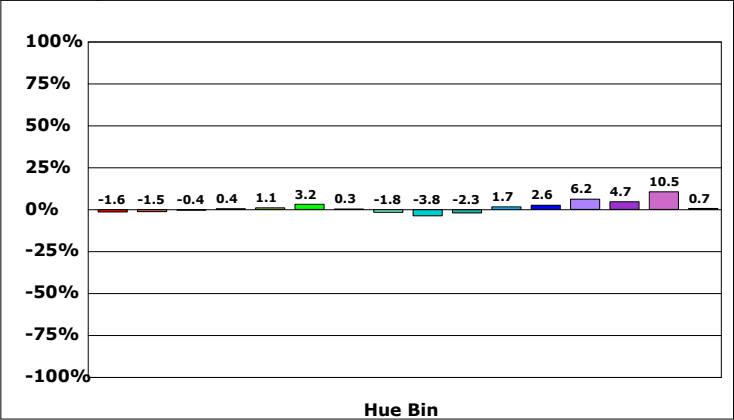
500			
Hue Bin	Rf	Chroma	Hue
1	94.0	-1.6%	-0.5%
2	94.3	-1.5%	2.0%
3	89.8	-0.4%	4.7%
4	90.3	0.4%	4.6%
5	88.4	1.1%	3.4%
6	94.5	3.2%	0.7%
7	96.9	0.3%	-0.7%
8	94.6	-1.8%	0.5%
9	91.2	-3.8%	5.4%
10	84.0	-2.3%	8.5%
11	78.6	1.7%	11.9%
12	87.7	2.6%	7.1%
13	90.5	6.2%	4.2%
14	90.8	4.7%	0.6%
15	85.1	10.5%	-7.0%
16	95.8	0.7%	-2.2%



Rf by Bue

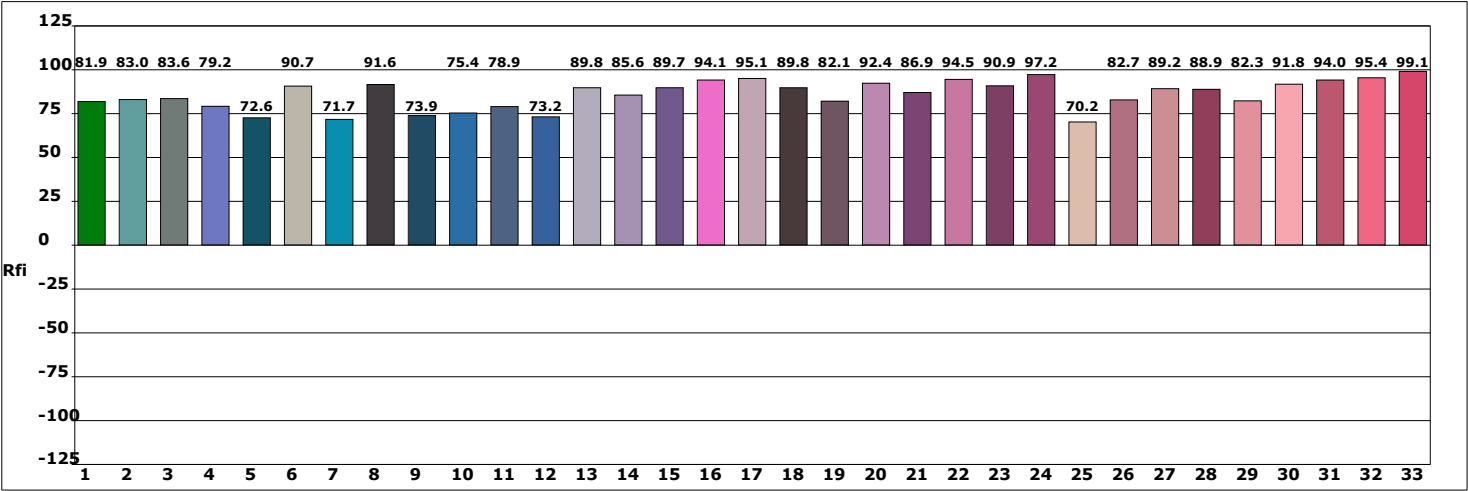
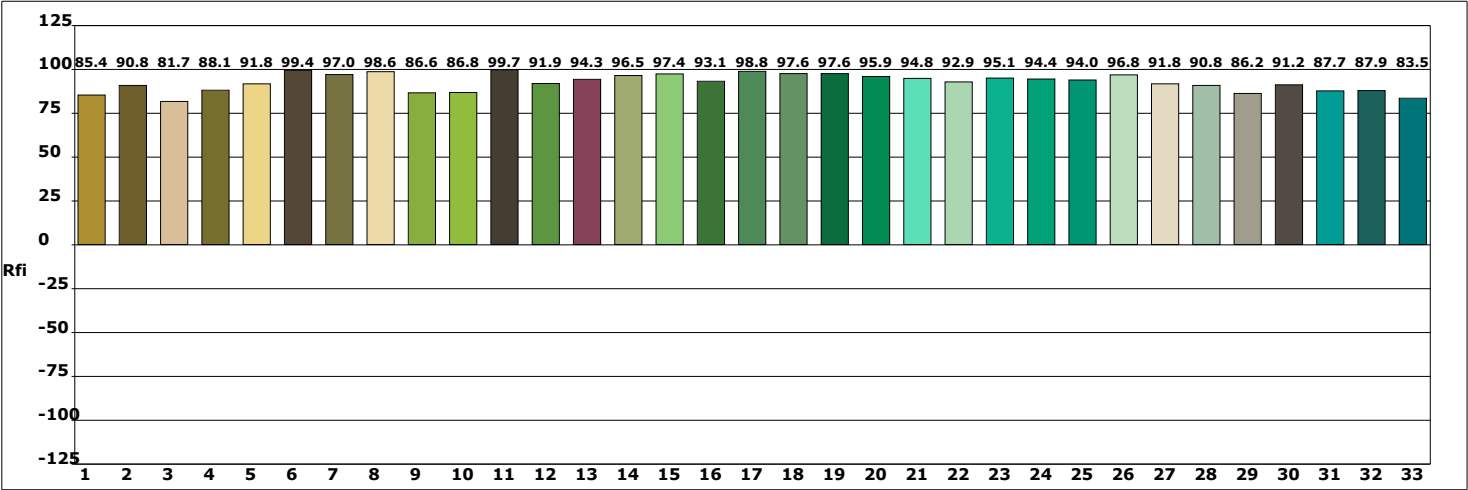
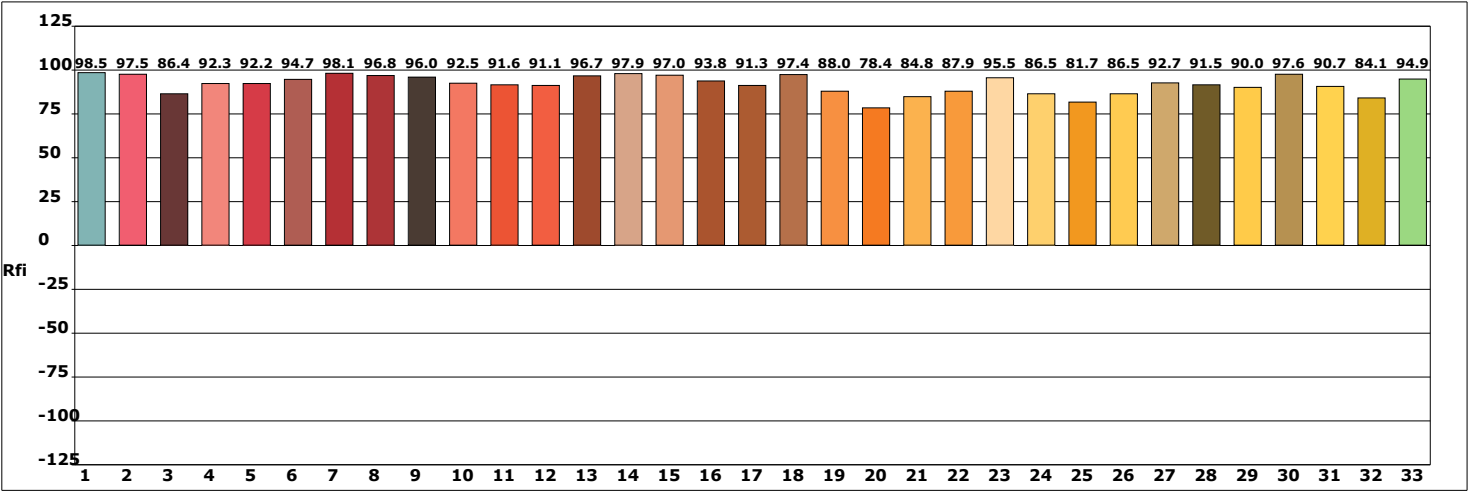


Chroma by Bue



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