Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: METALUX

Report Number: P1590965

Luminaire Tested: 24CGTX-65-L93050-W2A2-5000K

Issue Date: 9/7/2026

Report Generated By 670265710 / DESKTOP-98SHLC4

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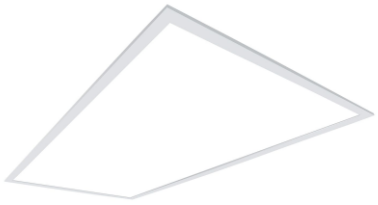
Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1590965
	TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G3-2512-631-20)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	9/7/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	24CGTX-65-L93050-W2A2-5000K
Description:	2X4 6500 LUMEN CGTX TROFFER WITH VividTune LEDS AT 5000K CCT
Light Source:	5000K CCT, 90 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7325.3 lumens
Efficiency:	N/A
Efficacy:	114.1 lumens/watt
Spacing Criteria (0/90/45):	1.28 / 1.27 / 1.39
Luminous Opening:	Rectangular (W 2' x L: 4' x H: 0')
CIE Type:	Direct
Input Watts (W):	64.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

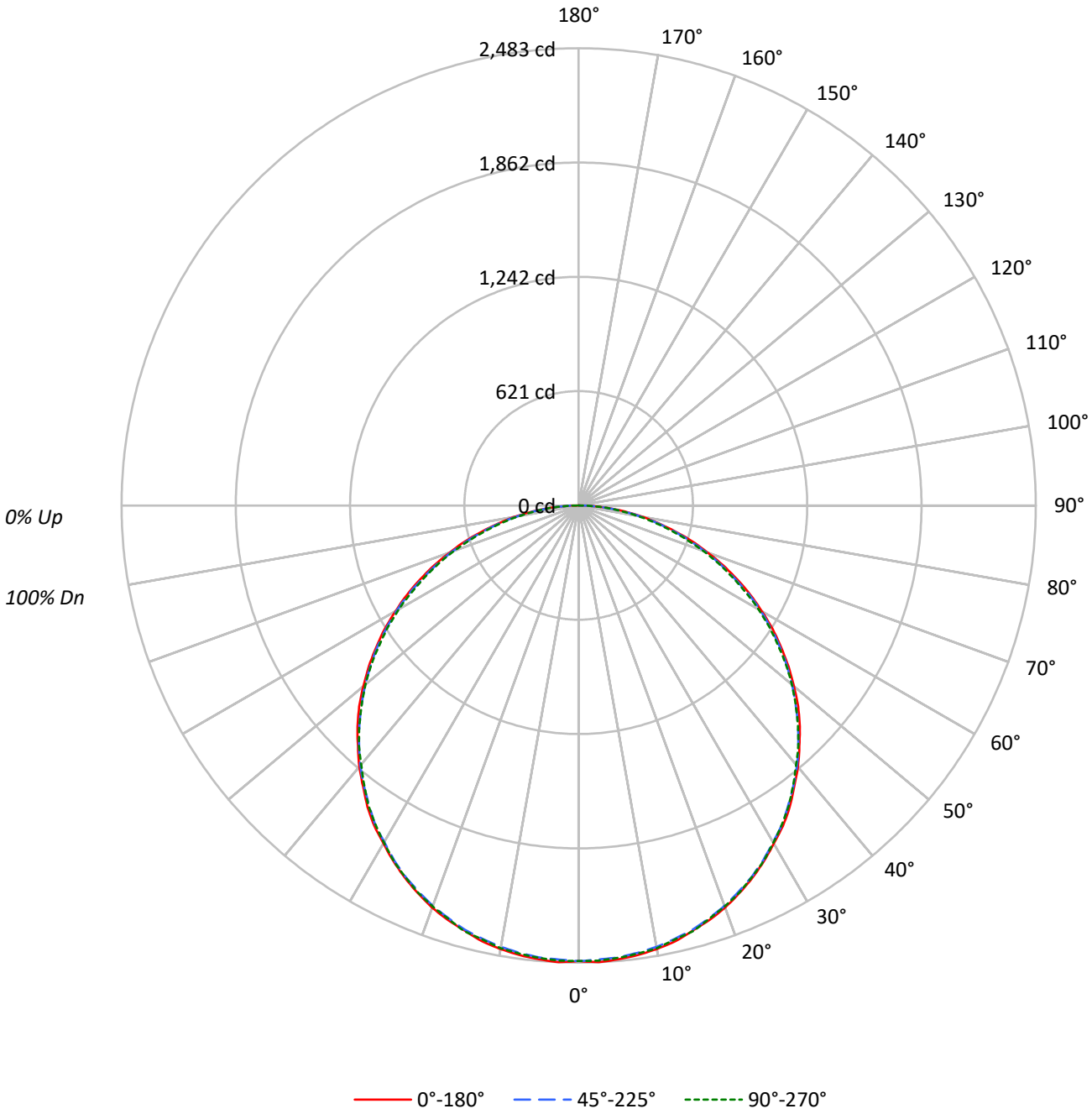


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Scaled Data Report

TEST NUMBER: P1590965
CATALOG NUMBER: 24CGTX-65-L93050-W2A2-5000K

Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	57
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	62	50	41	35	48	41	35	47	40	35	45	39	34	32
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3329	3329	3329
5°	3342	3328	3331
10°	3342	3326	3336
15°	3330	3323	3336
20°	3329	3314	3319
25°	3314	3303	3306
30°	3294	3280	3286
35°	3284	3262	3268
40°	3255	3240	3227
45°	3232	3204	3204
50°	3195	3166	3162
55°	3147	3125	3098
60°	3090	3071	3034
65°	3025	2968	2932
70°	2920	2867	2817
75°	2817	2746	2660
80°	2710	2589	2483
85°	2465	2353	2288

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3232 cd/sqm

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Scaled Data Report

TEST NUMBER: P1590965
CATALOG NUMBER: 24CGTX-65-L93050-W2A2-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.4	3.2
10°-20°	673.9	9.2
20°-30°	1025.6	14.0
30°-40°	1243.9	17.0
40°-50°	1300.6	17.8
50°-60°	1190.1	16.2
60°-70°	924.8	12.6
70°-80°	558.6	7.6
80°-90°	173.3	2.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1933.9	26.4
0°-40°	3177.8	43.4
0°-60°	5668.6	77.4
0°-90°	7325.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7325.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2474	2474	2474	2474	2474	
5°	2474	2467	2464	2464	2466	235
15°	2391	2391	2386	2386	2395	676
25°	2232	2226	2225	2220	2227	1029
35°	1999	1990	1986	1986	1990	1249
45°	1699	1688	1684	1680	1684	1309
55°	1342	1340	1332	1324	1321	1200
65°	950	943	932	923	921	940
75°	542	539	528	518	512	574
85°	160	161	152	149	148	181
90°	0	0	0	0	0	

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TEST NUMBER: P1590965
CATALOG NUMBER: 24CGTX-65-L93050-W2A2-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*2474.3*	2474.3	2474.3	2474.3	2474.3
2.5°	*2482.6*	*2474.3*	*2468.0*	*2465.9*	*2474.3*
5°	*2474.3*	2467.0	2463.8	2463.8	2465.9
7.5°	*2462.8*	2456.5	2450.2	2449.2	2455.5
10°	*2446.1*	2434.6	2434.6	2432.5	2441.9
12.5°	*2425.2*	2415.8	2410.6	2412.7	2413.7
15°	*2390.7*	2390.7	2385.5	2385.5	2394.9
17.5°	*2360.5*	2354.2	2351.1	2354.2	2354.2
20°	*2325.0*	2315.6	2314.5	2310.4	2317.7
22.5°	*2280.1*	2274.9	2270.7	2271.7	2276.9
25°	*2232.1*	2225.8	2224.7	2219.5	2226.8
27.5°	*2178.8*	2173.6	2171.5	2170.5	2175.7
30°	*2120.3*	2115.1	2111.0	2113.0	2115.1
32.5°	*2065.0*	2055.6	2055.6	2051.4	2054.6
35°	*1999.2*	1989.8	1985.7	1985.7	1989.8
37.5°	*1924.1*	1920.9	1916.8	1913.6	1913.6
40°	*1853.1*	1846.8	1844.7	1841.6	1837.4
42.5°	*1774.8*	1770.6	1765.4	1764.3	1766.4
45°	*1698.6*	1688.1	1684.0	1679.8	1684.0
47.5°	*1617.1*	1606.7	1598.4	1596.3	1598.4
50°	*1526.3*	1520.1	1512.7	1509.6	1510.7
52.5°	*1436.5*	1427.1	1424.0	1420.9	1418.8
55°	*1341.5*	1340.5	1332.1	1323.8	1320.6
57.5°	*1249.7*	1244.4	1235.0	1228.8	1226.7
60°	*1148.4*	1146.3	1141.1	1131.7	1127.5
62.5°	*1052.3*	1045.0	1039.8	1026.2	1024.2
65°	*950.0*	942.7	932.3	922.9	920.8
67.5°	*848.8*	840.4	832.1	821.6	821.6
70°	*742.3*	740.2	728.7	719.3	716.2
72.5°	*646.2*	638.9	628.5	616.0	612.8
75°	*541.8*	538.7	528.3	517.8	511.6
77.5°	*441.6*	440.6	432.2	418.6	415.5
80°	*349.7*	343.5	334.1	324.7	320.5
82.5°	*253.7*	250.6	242.2	234.9	234.9
85°	*159.7*	160.8	152.4	149.3	148.2
87.5°	*76.2*	74.1	72.0	71.0	72.0
90°	*0.0*	0.0	0.0	0.0	0.0

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TEST NUMBER: P1590965
CATALOG NUMBER: 24CGTX-65-L93050-W2A2-5000K

CIE UGR TABLE:

Reflectances:											
	Ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
	Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
	Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	16.19	17.85	16.56	18.17	18.48	16.10	17.76	16.46	18.07	18.39
	3H	18.11	19.62	18.49	19.94	20.30	17.97	19.48	18.35	19.80	20.16
	4H	18.87	20.29	19.27	20.64	21.02	18.69	20.11	19.09	20.46	20.83
	6H	19.48	20.79	19.89	21.16	21.55	19.24	20.56	19.66	20.93	21.32
	8H	19.69	20.95	20.11	21.34	21.74	19.44	20.70	19.86	21.09	21.49
	12H	19.85	21.05	20.27	21.44	21.86	19.58	20.79	20.01	21.17	21.60
4H	2H	16.84	18.26	17.24	18.61	18.98	16.77	18.19	17.16	18.53	18.91
	3H	18.99	20.19	19.40	20.58	20.98	18.86	20.06	19.27	20.46	20.86
	4H	19.89	20.97	20.32	21.39	21.82	19.72	20.80	20.15	21.22	21.65
	6H	20.64	21.59	21.09	22.03	22.48	20.41	21.36	20.86	21.80	22.26
	8H	20.91	21.80	21.37	22.24	22.71	20.66	21.55	21.12	21.99	22.46
	12H	21.12	21.92	21.60	22.40	22.86	20.85	21.66	21.33	22.13	22.60
8H	4H	20.23	21.12	20.69	21.56	22.03	20.08	20.97	20.54	21.41	21.88
	6H	21.12	21.86	21.61	22.35	22.82	20.91	21.66	21.40	22.14	22.62
	8H	21.48	22.15	21.99	22.65	23.14	21.25	21.91	21.75	22.42	22.90
	12H	21.78	22.37	22.29	22.86	23.42	21.52	22.12	22.03	22.60	23.16
12H	4H	20.28	21.08	20.76	21.55	22.02	20.13	20.94	20.61	21.41	21.88
	6H	21.19	21.86	21.70	22.36	22.85	20.99	21.66	21.50	22.17	22.65
	8H	21.62	22.21	22.12	22.70	23.26	21.39	21.98	21.90	22.47	23.03

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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2512-631-24-R2

Test Date: 02/04/2026

Luminaire Tested: 22CGTX-50-L93050-W2A-5000K

Data in this report applies to families of products including 22CGTX

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.05

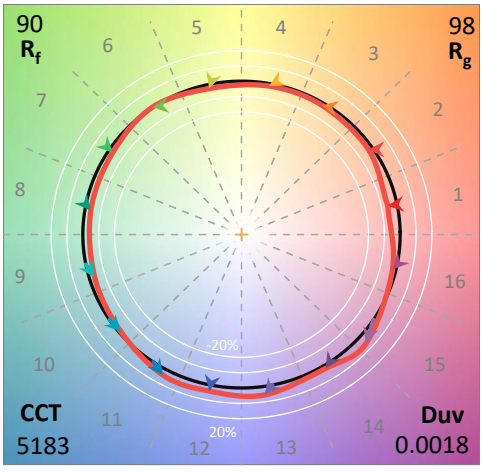
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2512-631-24-R2
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	07/28/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Metalux
Catalog Number:	**22CGTX-50-L93050-W2A-5000K**
Description:	*THIS IS A REVISION OF REPORT SP1-2512-631-24-R2 TO UPDATE THE CATALOG INFORMATION* 2X2 5000 LUMEN HE CGTX TUNABLE WHITE FROM 3000K TO 5000K - 1 Volt

Spectral Parameters

CCT (K):	5183
CIE u':	0.2084
CIE v':	0.4838
Duv:	0.0018
CIE x:	0.3404
CIE y:	0.3513
CIE z:	0.3084
Peak Wavelength (nm):	630
Dominant Wavelength (nm):	567
Purity:	7.523728
Rf:	89.8
Rg:	98.4

CRI (Ra):	93.0
R1:	94.0
R2:	95.9
R3:	95.1
R4:	93.5
R5:	92.7
R6:	92.2
R7:	94.0
R8:	86.9
R9:	64.0
R10:	88.2
R11:	93.7
R12:	69.8
R13:	94.9
R14:	97.0
R15:	92.0



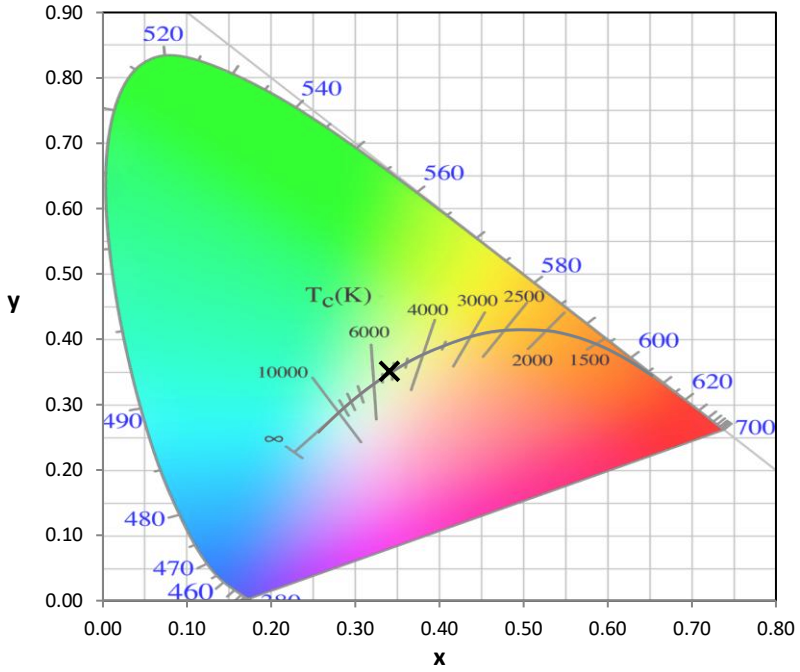
Test Conditions

Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.1

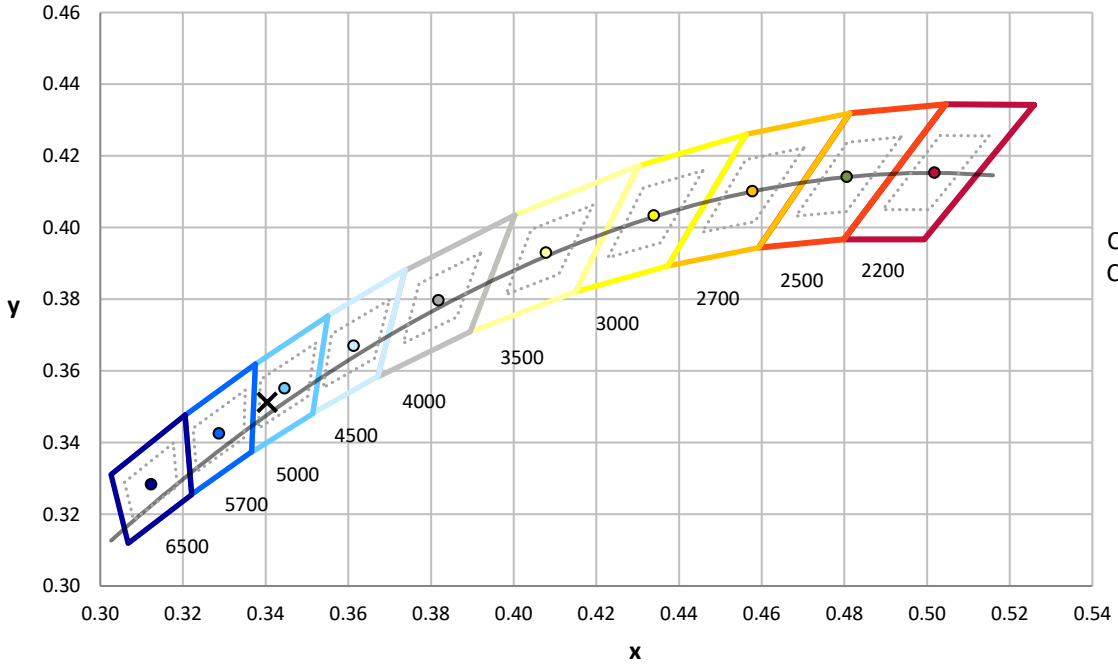
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208	10/21/2025	10/21/2026
Sphere Thermometer	ONSET IN0085	10/21/2025	10/21/2026
Room Thermometer	ONSET IN0046	10/21/2025	10/21/2026

REPORT NUMBER: SP1-2512-631-24-R2

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

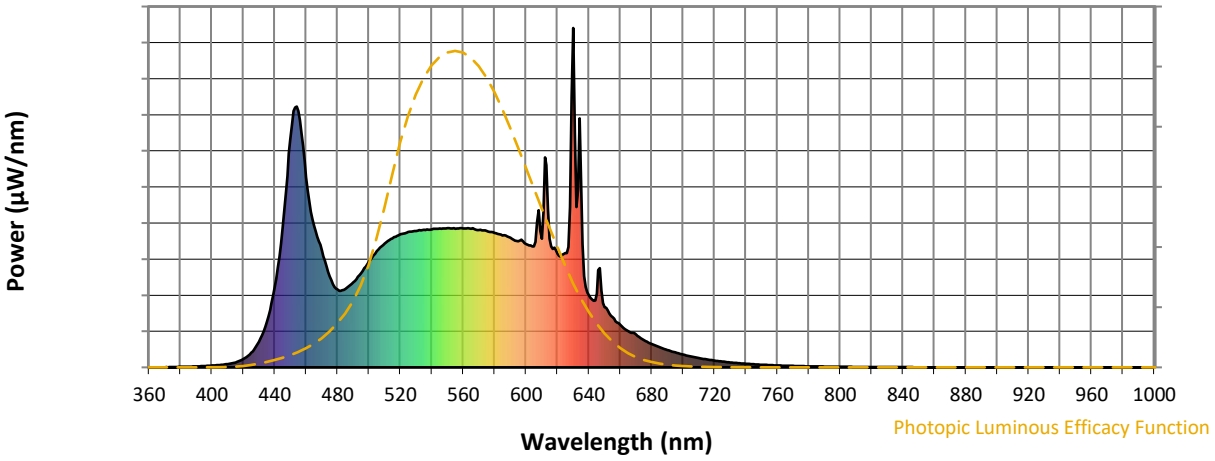


CCT = 5183K
CIE x = 0.3404
CIE y = 0.3513
Duv = 0.0018

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2512-631-24-R2

Photopic Flux vs. Wavelength

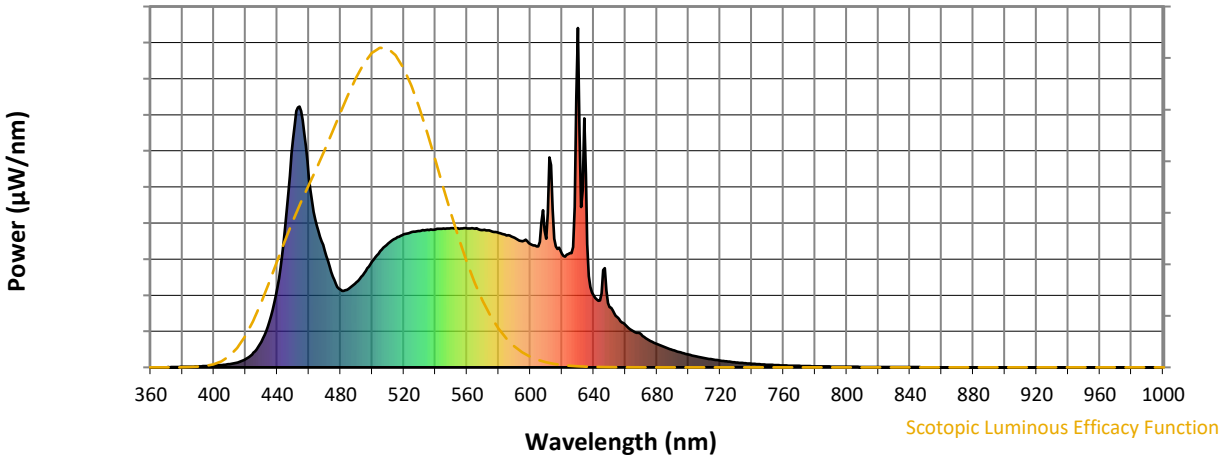


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	251	NR	620	335	NR	750	8	NR	880	0	NR
365	0	NR	495	277	NR	625	337	NR	755	7	NR	885	0	NR
370	0	NR	500	312	NR	630	1000	NR	760	6	NR	890	0	NR
375	1	NR	505	342	NR	635	569	NR	765	5	NR	895	0	NR
380	2	NR	510	365	NR	640	212	NR	770	4	NR	900	0	NR
385	2	NR	515	380	NR	645	218	NR	775	4	NR	905	0	NR
390	3	NR	520	392	NR	650	177	NR	780	3	NR	910	0	NR
395	4	NR	525	399	NR	655	148	NR	785	3	NR	915	0	NR
400	5	NR	530	402	NR	660	126	NR	790	2	NR	920	0	NR
405	7	NR	535	406	NR	665	106	NR	795	2	NR	925	0	NR
410	10	NR	540	407	NR	670	97	NR	800	2	NR	930	0	NR
415	15	NR	545	409	NR	675	80	NR	805	2	NR	935	0	NR
420	25	NR	550	410	NR	680	69	NR	810	1	NR	940	0	NR
425	43	NR	555	409	NR	685	59	NR	815	1	NR	945	0	NR
430	76	NR	560	409	NR	690	51	NR	820	1	NR	950	0	NR
435	135	NR	565	409	NR	695	44	NR	825	1	NR	955	0	NR
440	235	NR	570	405	NR	700	38	NR	830	1	NR	960	0	NR
445	412	NR	575	402	NR	705	32	NR	835	1	NR	965	0	NR
450	675	NR	580	396	NR	710	27	NR	840	1	NR	970	0	NR
455	756	NR	585	389	NR	715	23	NR	845	1	NR	975	0	NR
460	560	NR	590	382	NR	720	20	NR	850	0	NR	980	0	NR
465	418	NR	595	371	NR	725	17	NR	855	0	NR	985	0	NR
470	344	NR	600	363	NR	730	15	NR	860	0	NR	990	0	NR
475	268	NR	605	356	NR	735	13	NR	865	0	NR	995	0	NR
480	229	NR	610	379	NR	740	11	NR	870	0	NR	1000	0	NR
485	231	NR	615	379	NR	745	9	NR	875	0	NR			

REPORT NUMBER: SP1-2512-631-24-R2

Scotopic Flux vs. Wavelength

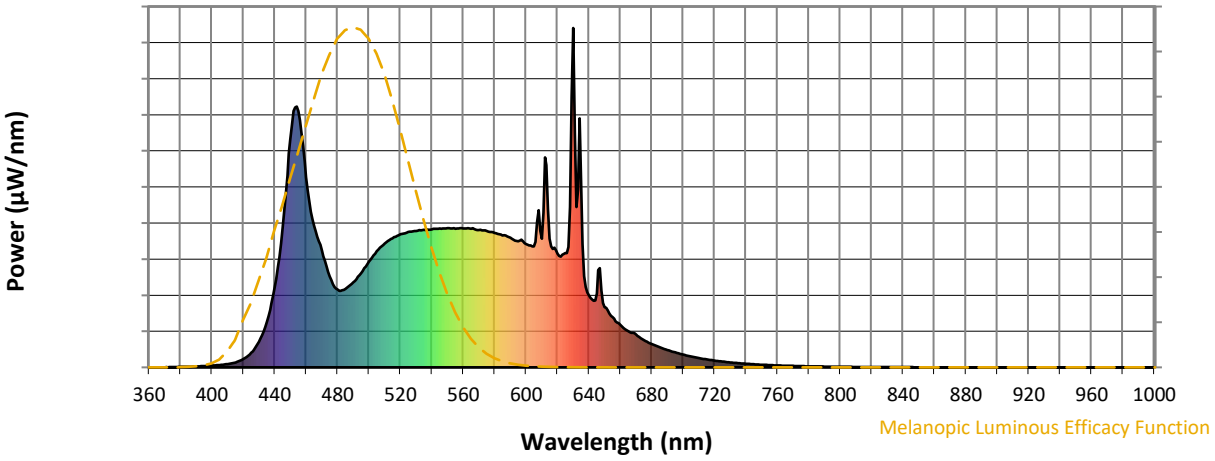


Scotopic Lumens: NR **S/P: 2.11**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	251	NR	620	335	NR	750	8	NR	880	0	NR
365	0	NR	495	277	NR	625	337	NR	755	7	NR	885	0	NR
370	0	NR	500	312	NR	630	1000	NR	760	6	NR	890	0	NR
375	1	NR	505	342	NR	635	569	NR	765	5	NR	895	0	NR
380	2	NR	510	365	NR	640	212	NR	770	4	NR	900	0	NR
385	2	NR	515	380	NR	645	218	NR	775	4	NR	905	0	NR
390	3	NR	520	392	NR	650	177	NR	780	3	NR	910	0	NR
395	4	NR	525	399	NR	655	148	NR	785	3	NR	915	0	NR
400	5	NR	530	402	NR	660	126	NR	790	2	NR	920	0	NR
405	7	NR	535	406	NR	665	106	NR	795	2	NR	925	0	NR
410	10	NR	540	407	NR	670	97	NR	800	2	NR	930	0	NR
415	15	NR	545	409	NR	675	80	NR	805	2	NR	935	0	NR
420	25	NR	550	410	NR	680	69	NR	810	1	NR	940	0	NR
425	43	NR	555	409	NR	685	59	NR	815	1	NR	945	0	NR
430	76	NR	560	409	NR	690	51	NR	820	1	NR	950	0	NR
435	135	NR	565	409	NR	695	44	NR	825	1	NR	955	0	NR
440	235	NR	570	405	NR	700	38	NR	830	1	NR	960	0	NR
445	412	NR	575	402	NR	705	32	NR	835	1	NR	965	0	NR
450	675	NR	580	396	NR	710	27	NR	840	1	NR	970	0	NR
455	756	NR	585	389	NR	715	23	NR	845	1	NR	975	0	NR
460	560	NR	590	382	NR	720	20	NR	850	0	NR	980	0	NR
465	418	NR	595	371	NR	725	17	NR	855	0	NR	985	0	NR
470	344	NR	600	363	NR	730	15	NR	860	0	NR	990	0	NR
475	268	NR	605	356	NR	735	13	NR	865	0	NR	995	0	NR
480	229	NR	610	379	NR	740	11	NR	870	0	NR	1000	0	NR
485	231	NR	615	379	NR	745	9	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 4.6**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	251	NR	620	335	NR	750	8	NR	880	0	NR
365	0	NR	495	277	NR	625	337	NR	755	7	NR	885	0	NR
370	0	NR	500	312	NR	630	1000	NR	760	6	NR	890	0	NR
375	1	NR	505	342	NR	635	569	NR	765	5	NR	895	0	NR
380	2	NR	510	365	NR	640	212	NR	770	4	NR	900	0	NR
385	2	NR	515	380	NR	645	218	NR	775	4	NR	905	0	NR
390	3	NR	520	392	NR	650	177	NR	780	3	NR	910	0	NR
395	4	NR	525	399	NR	655	148	NR	785	3	NR	915	0	NR
400	5	NR	530	402	NR	660	126	NR	790	2	NR	920	0	NR
405	7	NR	535	406	NR	665	106	NR	795	2	NR	925	0	NR
410	10	NR	540	407	NR	670	97	NR	800	2	NR	930	0	NR
415	15	NR	545	409	NR	675	80	NR	805	2	NR	935	0	NR
420	25	NR	550	410	NR	680	69	NR	810	1	NR	940	0	NR
425	43	NR	555	409	NR	685	59	NR	815	1	NR	945	0	NR
430	76	NR	560	409	NR	690	51	NR	820	1	NR	950	0	NR
435	135	NR	565	409	NR	695	44	NR	825	1	NR	955	0	NR
440	235	NR	570	405	NR	700	38	NR	830	1	NR	960	0	NR
445	412	NR	575	402	NR	705	32	NR	835	1	NR	965	0	NR
450	675	NR	580	396	NR	710	27	NR	840	1	NR	970	0	NR
455	756	NR	585	389	NR	715	23	NR	845	1	NR	975	0	NR
460	560	NR	590	382	NR	720	20	NR	850	0	NR	980	0	NR
465	418	NR	595	371	NR	725	17	NR	855	0	NR	985	0	NR
470	344	NR	600	363	NR	730	15	NR	860	0	NR	990	0	NR
475	268	NR	605	356	NR	735	13	NR	865	0	NR	995	0	NR
480	229	NR	610	379	NR	740	11	NR	870	0	NR	1000	0	NR
485	231	NR	615	379	NR	745	9	NR	875	0	NR			

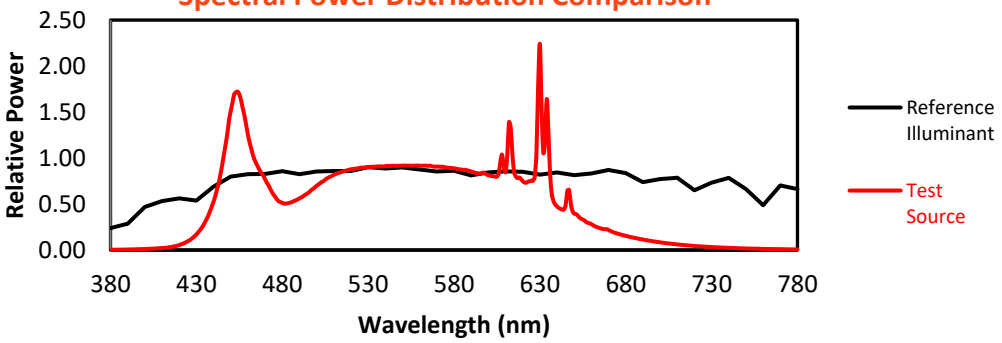
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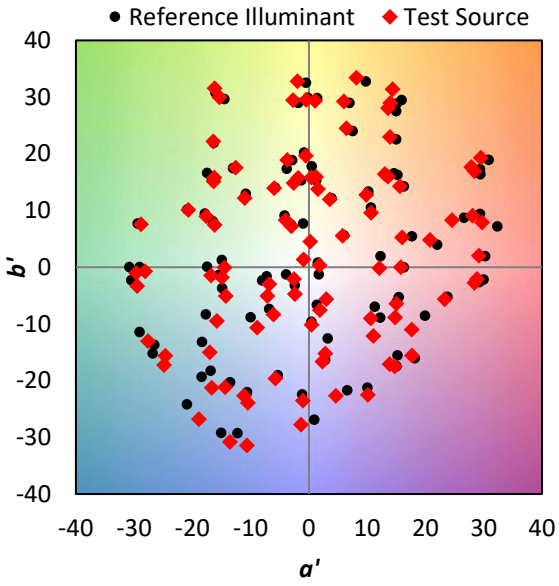
Summary

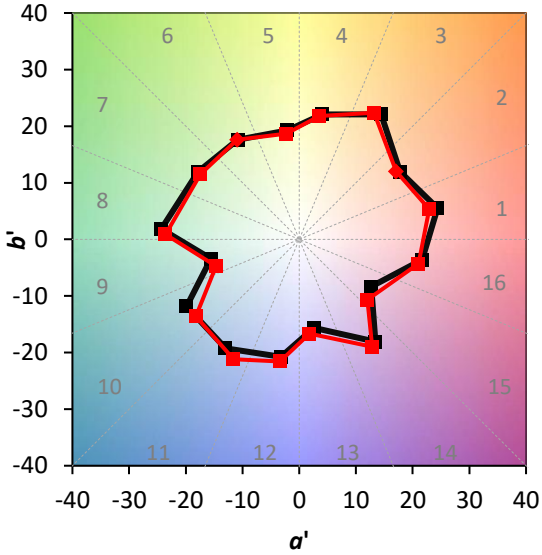
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R_g = 98.4
CIE R_a = 93.0
R_9 = 64.0

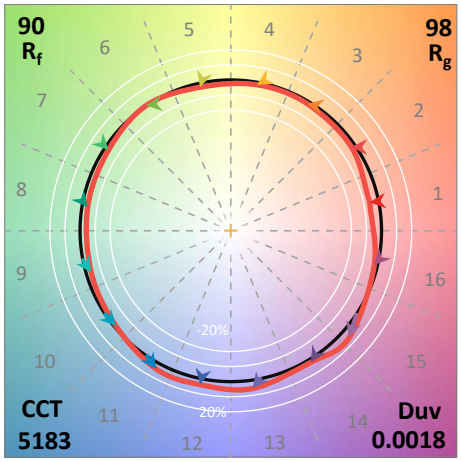
Spectral Power Distribution Comparison

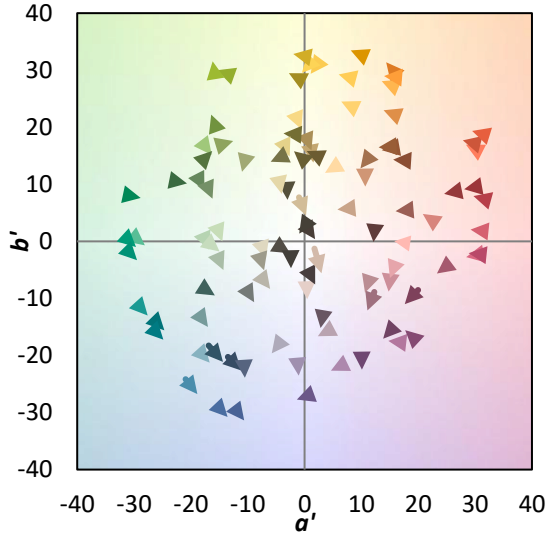


Color Vector Graphics







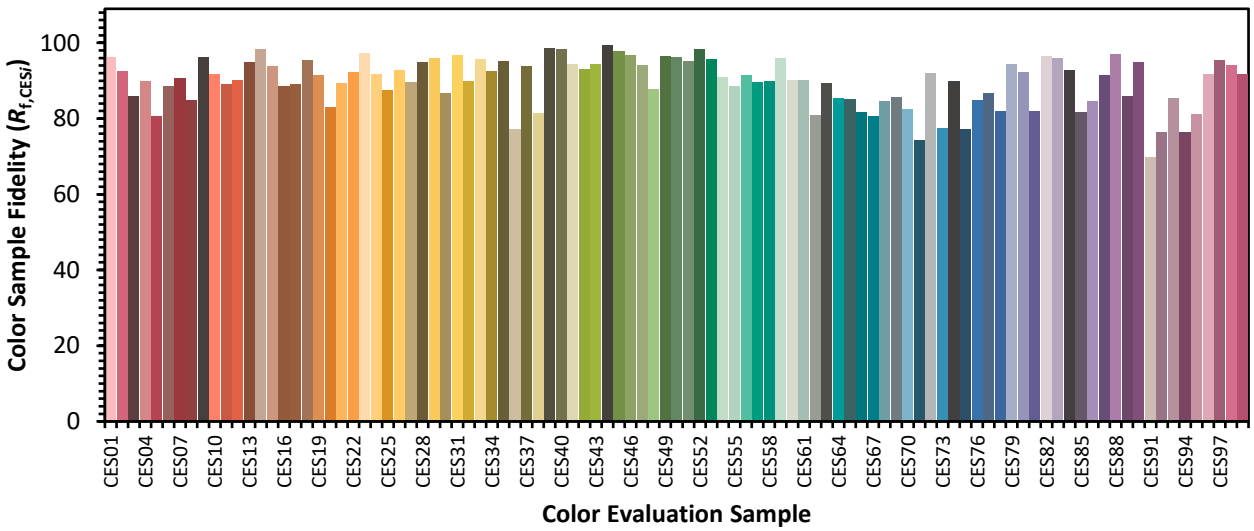


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Individual Sample Fidelity Index ($R_{f,i}$)

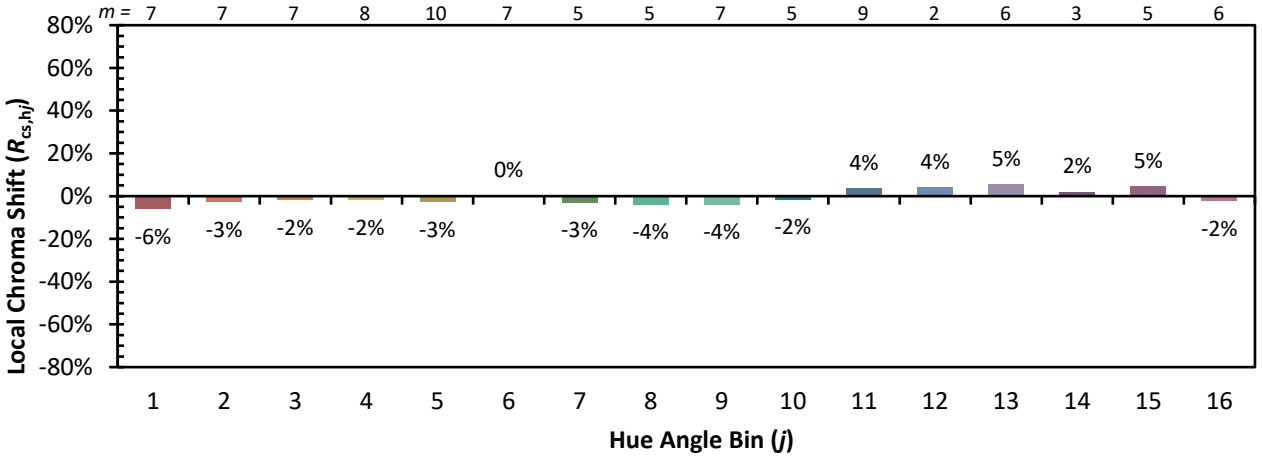
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CES02 = 60	CES27 = 90	CES52 = 98	CES77 = 87
CES03 = 31	CES28 = 95	CES53 = 96	CES78 = 82
CES04 = 68	CES29 = 96	CES54 = 91	CES79 = 94
CES05 = 47	CES30 = 87	CES55 = 89	CES80 = 92
CES06 = 50	CES31 = 97	CES56 = 92	CES81 = 82
CES07 = 41	CES32 = 90	CES57 = 90	CES82 = 96
CES08 = 40	CES33 = 96	CES58 = 90	CES83 = 96
CES09 = 29	CES34 = 92	CES59 = 96	CES84 = 93
CES10 = 73	CES35 = 95	CES60 = 90	CES85 = 82
CES11 = 55	CES36 = 77	CES61 = 90	CES86 = 85
CES12 = 62	CES37 = 94	CES62 = 81	CES87 = 91
CES13 = 42	CES38 = 82	CES63 = 89	CES88 = 97
CES14 = 74	CES39 = 99	CES64 = 85	CES89 = 86
CES15 = 71	CES40 = 98	CES65 = 85	CES90 = 95
CES16 = 46	CES41 = 94	CES66 = 82	CES91 = 70
CES17 = 48	CES42 = 93	CES67 = 81	CES92 = 76
CES18 = 56	CES43 = 94	CES68 = 85	CES93 = 85
CES19 = 70	CES44 = 99	CES69 = 86	CES94 = 76
CES20 = 65	CES45 = 98	CES70 = 83	CES95 = 81
CES21 = 84	CES46 = 97	CES71 = 74	CES96 = 92
CES22 = 77	CES47 = 94	CES72 = 92	CES97 = 96
CES23 = 91	CES48 = 88	CES73 = 78	CES98 = 94
CES24 = 90	CES49 = 97	CES74 = 90	CES99 = 92
CES25 = 70	CES50 = 96	CES75 = 77	

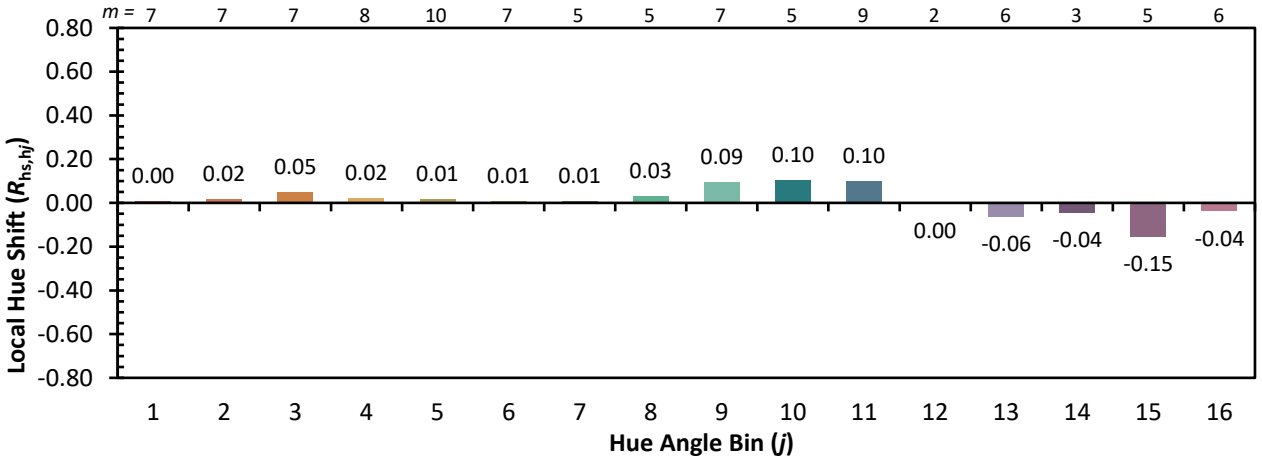


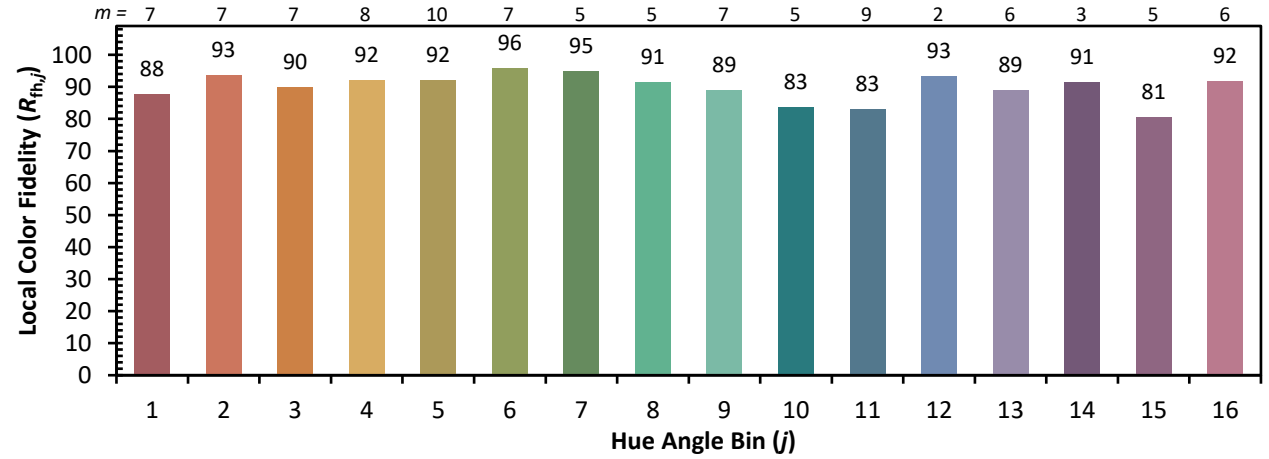
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Color Rendition by Hue-Angle Bin



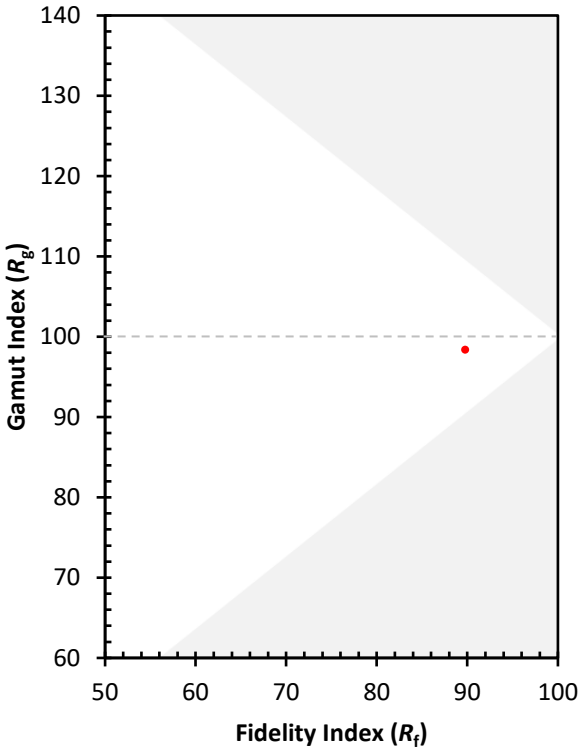


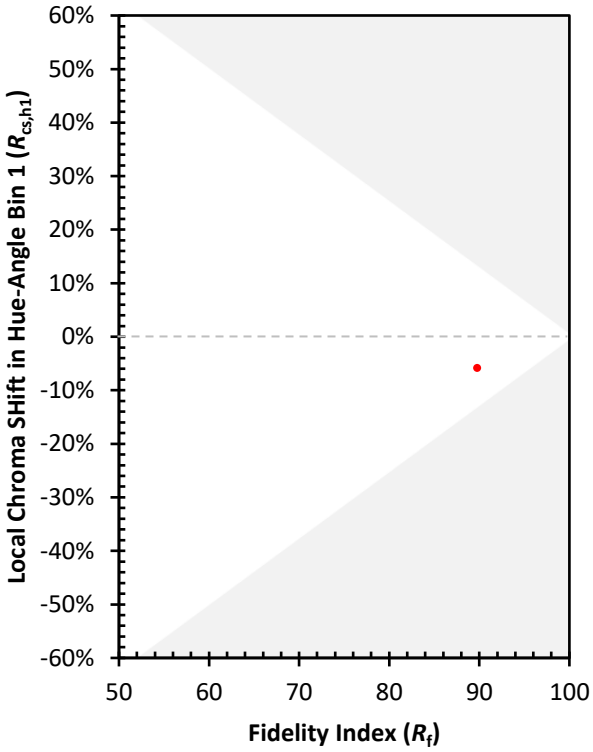


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Measure Comparisons





(END OF REPORT)