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: P1590944

Luminaire Tested: 24CGTX-35-L93050-W2A-4500K

Issue Date: 9/7/2026

Report Generated By 670265710 / DESKTOP-98SHLC4

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

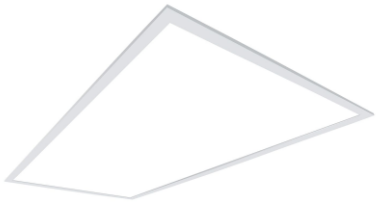
Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1590944
	TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G3-2512-631-16)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	9/7/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	24CGTX-35-L93050-W2A-4500K
Description:	2X4 3500 LUMEN CGTX TROFFER WITH VividTune LEDS AT 4500K CCT
Light Source:	4500K CCT, 90 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4055.3 lumens
Efficiency:	N/A
Efficacy:	124.0 lumens/watt
Spacing Criteria (0/90/45):	1.27 / 1.27 / 1.39
Luminous Opening:	Rectangular (W 2' x L: 4' x H: 0')
CIE Type:	Direct
Input Watts (W):	32.7
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

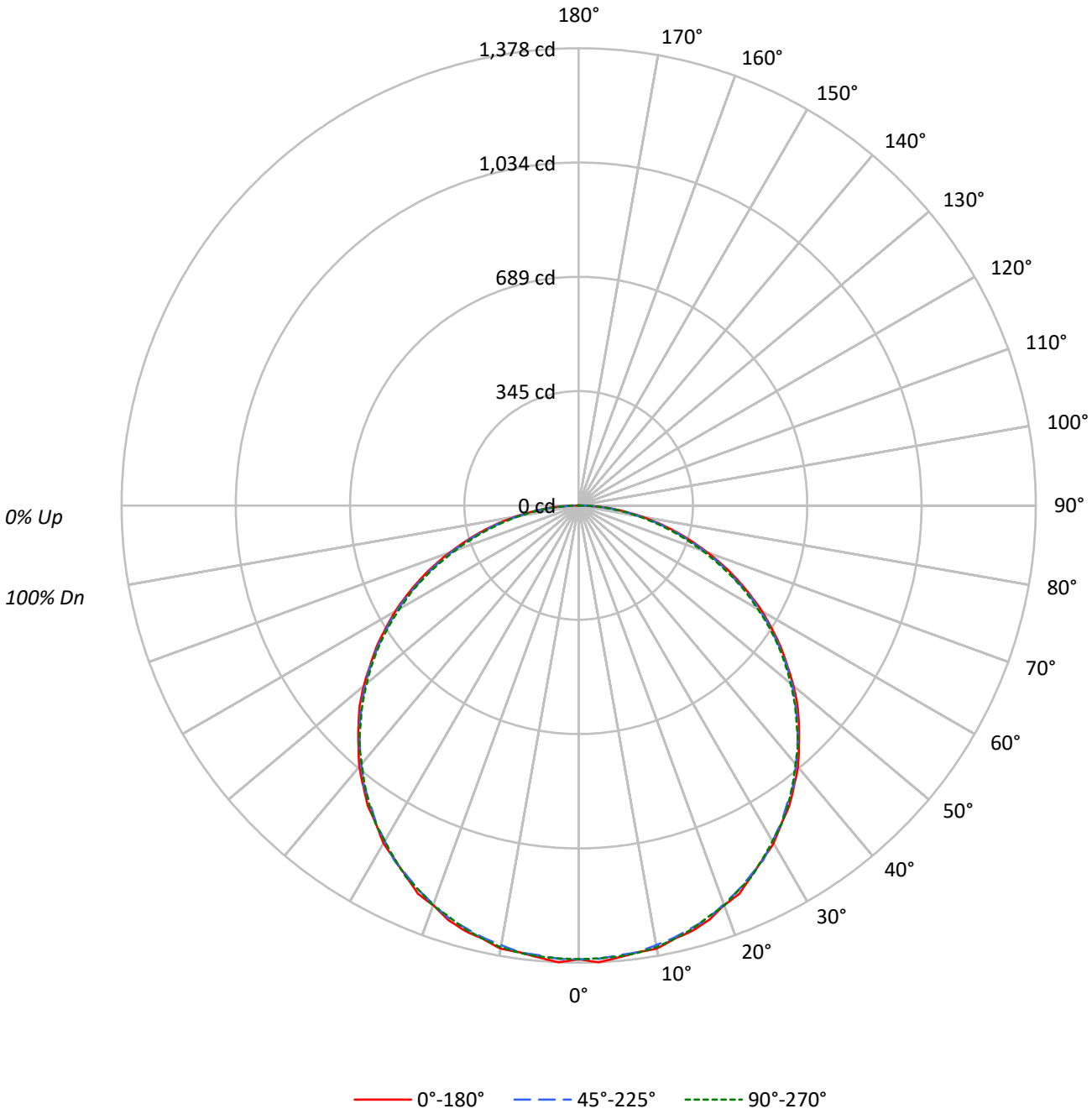


Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1590944
CATALOG NUMBER: 24CGTX-35-L93050-W2A-4500K

Luminous Intensity Polar Plot



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

Scaled Data Report

TEST NUMBER: P1590944
CATALOG NUMBER: 24CGTX-35-L93050-W2A-4500K

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	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	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°	1840	1840	1840
5°	1847	1839	1843
10°	1853	1839	1847
15°	1848	1837	1841
20°	1836	1831	1837
25°	1829	1824	1832
30°	1826	1815	1815
35°	1818	1801	1808
40°	1806	1790	1786
45°	1786	1776	1768
50°	1769	1758	1745
55°	1745	1728	1720
60°	1718	1698	1676
65°	1677	1644	1631
70°	1621	1588	1555
75°	1562	1519	1470
80°	1479	1423	1382
85°	1402	1320	1240

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1786 cd/sqm

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

Scaled Data Report

TEST NUMBER: P1590944
CATALOG NUMBER: 24CGTX-35-L93050-W2A-4500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.7	3.2
10°-20°	372.8	9.2
20°-30°	567.4	14.0
30°-40°	688.2	17.0
40°-50°	720.2	17.8
50°-60°	659.2	16.3
60°-70°	512.9	12.6
70°-80°	309.2	7.6
80°-90°	95.8	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°	1069.8	26.4
0°-40°	1758.1	43.4
0°-60°	3137.4	77.4
0°-90°	4055.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4055.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1368	1368	1368	1368	1368	
5°	1368	1366	1361	1364	1364	130
15°	1327	1320	1318	1320	1322	374
25°	1232	1231	1229	1231	1234	569
35°	1107	1100	1096	1100	1100	691
45°	939	935	934	932	929	725
55°	744	744	736	733	733	664
65°	527	524	516	511	512	521
75°	300	298	292	287	283	317
85°	91	88	86	84	80	100
90°	0	0	0	0	0	

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

Scaled Data Report

TEST NUMBER: P1590944
CATALOG NUMBER: 24CGTX-35-L93050-W2A-4500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*1367.6*	1367.6	1367.6	1367.6	1367.6
2.5°	*1378.0*	*1367.6*	*1367.6*	*1366.5*	*1366.5*
5°	*1367.6*	1365.5	1361.3	1364.4	1364.4
7.5°	*1358.2*	1360.3	1358.2	1353.0	1360.3
10°	*1356.1*	1345.7	1345.7	1342.5	1351.9
12.5°	*1337.3*	1337.3	1334.2	1335.2	1337.3
15°	*1326.9*	1319.6	1318.5	1319.6	1321.7
17.5°	*1309.2*	1307.1	1303.9	1299.8	1299.8
20°	*1282.0*	1282.0	1278.9	1277.9	1283.1
22.5°	*1266.4*	1258.0	1256.0	1257.0	1256.0
25°	*1232.0*	1230.9	1228.8	1230.9	1234.0
27.5°	*1201.7*	1202.8	1204.8	1198.6	1200.7
30°	*1175.6*	1171.5	1168.3	1168.3	1168.3
32.5°	*1137.0*	1137.0	1134.9	1136.0	1138.1
35°	*1106.8*	1100.5	1096.4	1100.5	1100.5
37.5°	*1066.1*	1064.0	1063.0	1059.8	1059.8
40°	*1028.5*	1020.2	1019.2	1016.0	1017.1
42.5°	*982.6*	980.6	976.4	978.5	978.5
45°	*938.8*	934.7	933.6	931.5	929.4
47.5°	*895.0*	889.8	885.6	885.6	883.5
50°	*845.0*	842.9	839.7	835.6	833.5
52.5°	*792.8*	791.8	789.7	786.5	784.5
55°	*743.8*	743.8	736.5	733.3	733.3
57.5°	*689.5*	687.4	684.3	683.3	679.1
60°	*638.4*	633.2	631.1	626.9	622.8
62.5°	*582.1*	581.0	575.8	570.6	569.6
65°	*526.8*	523.7	516.4	511.1	512.2
67.5°	*470.5*	466.3	462.1	455.9	452.7
70°	*412.0*	411.0	403.7	400.6	395.4
72.5°	*354.7*	353.6	347.4	342.2	338.0
75°	*300.4*	298.3	292.1	286.9	282.7
77.5°	*246.2*	244.1	237.8	232.6	229.5
80°	*190.9*	189.9	183.6	179.4	178.4
82.5°	*138.7*	138.7	134.6	130.4	127.3
85°	*90.8*	87.6	85.5	83.5	80.3
87.5°	*41.7*	40.7	38.6	40.7	39.6
90°	*0.0*	0.0	0.0	0.0	0.0

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

TEST NUMBER: P1590944
CATALOG NUMBER: 24CGTX-35-L93050-W2A-4500K

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	14.12	15.78	14.49	16.10	16.41	14.07	15.73	14.43	16.04	16.36
	3H	16.06	17.56	16.43	17.89	18.25	15.93	17.43	16.30	17.76	18.12
	4H	16.81	18.24	17.21	18.58	18.96	16.64	18.06	17.04	18.41	18.79
	6H	17.42	18.74	17.83	19.10	19.49	17.20	18.52	17.61	18.88	19.27
	8H	17.63	18.89	18.05	19.28	19.68	17.39	18.65	17.81	19.04	19.44
	12H	17.79	18.99	18.21	19.38	19.80	17.53	18.73	17.95	19.12	19.54
4H	2H	14.77	16.19	15.17	16.54	16.92	14.73	16.15	15.13	16.50	16.87
	3H	16.93	18.13	17.34	18.53	18.93	16.82	18.02	17.23	18.41	18.81
	4H	17.83	18.92	18.26	19.33	19.77	17.67	18.76	18.10	19.17	19.61
	6H	18.58	19.53	19.03	19.97	20.42	18.37	19.32	18.82	19.76	20.21
	8H	18.85	19.74	19.31	20.18	20.64	18.61	19.50	19.07	19.94	20.41
	12H	19.06	19.86	19.54	20.34	20.81	18.80	19.60	19.28	20.07	20.54
8H	4H	18.18	19.07	18.64	19.51	19.97	18.04	18.93	18.49	19.37	19.83
	6H	19.06	19.80	19.55	20.29	20.76	18.86	19.61	19.36	20.09	20.57
	8H	19.42	20.09	19.93	20.59	21.07	19.19	19.86	19.70	20.37	20.85
	12H	19.72	20.31	20.23	20.80	21.36	19.47	20.06	19.97	20.55	21.11
12H	4H	18.22	19.02	18.70	19.50	19.96	18.09	18.89	18.56	19.36	19.83
	6H	19.13	19.80	19.64	20.30	20.79	18.94	19.61	19.45	20.12	20.60
	8H	19.55	20.14	20.06	20.63	21.19	19.34	19.93	19.84	20.42	20.98

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

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2512-631-28-R2

Test Date: 02/05/2026

Luminaire Tested: 22CGTX-50-L93050-W2A-4500K

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.05

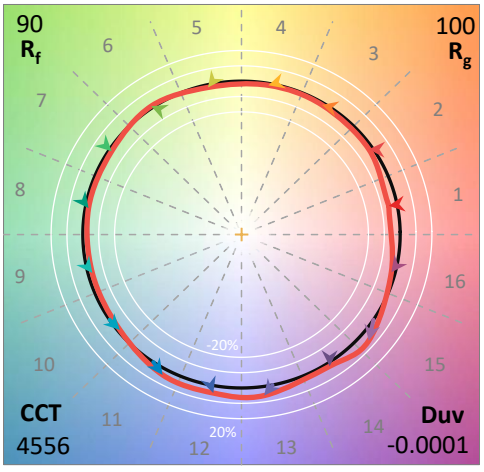
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2512-631-28-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-4500K**
Description:	*THIS IS A REVISION OF REPORT SP1-2512-631-28-R2 TO UPDATE THE CATALOG INFORMATION* 2X2 5000 LUMEN HE CGTX TUNABLE WHITE FROM 3000K TO 5000K - 3 Volt

Spectral Parameters

CCT (K):	4556
CIE u':	0.2166
CIE v':	0.4916
Duv:	-0.0001
CIE x:	0.3588
CIE y:	0.3619
CIE z:	0.2793
Peak Wavelength (nm):	630
Dominant Wavelength (nm):	576
Purity:	16.26758
Rf:	90.4
Rg:	99.5

CRI (Ra):	93.8		
R1:	95.1	R9:	68.4
R2:	96.4	R10:	89.0
R3:	95.1	R11:	94.6
R4:	94.5	R12:	68.9
R5:	93.5	R13:	95.8
R6:	93.0	R14:	96.7
R7:	94.8	R15:	92.7
R8:	88.3		



Test Conditions

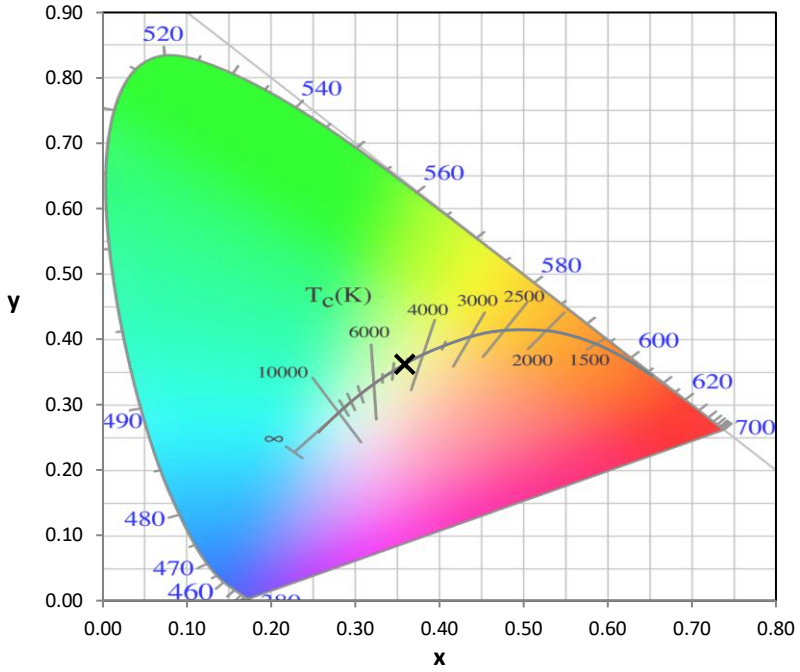
Stabilization Time:	41M
Operation Time:	1H 41M
Sphere Temperature (°C):	25.1

REPORT NUMBER: SP1-2512-631-28-R2

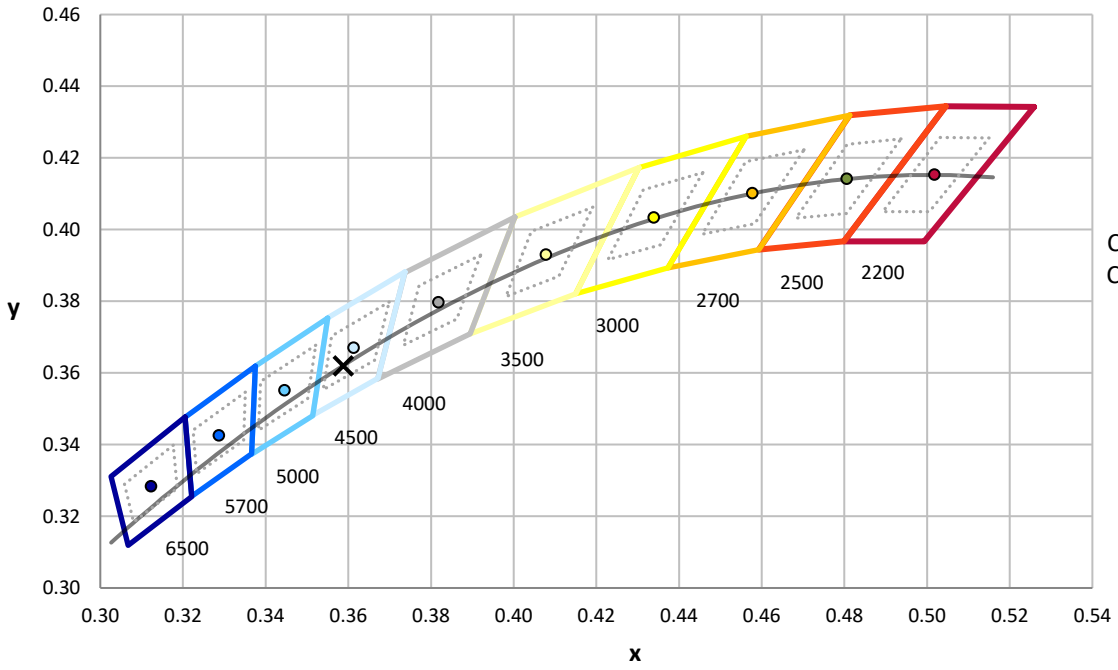
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208	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: SP1-2512-631-28-R2

CIE 1931 Chromaticity Diagram



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

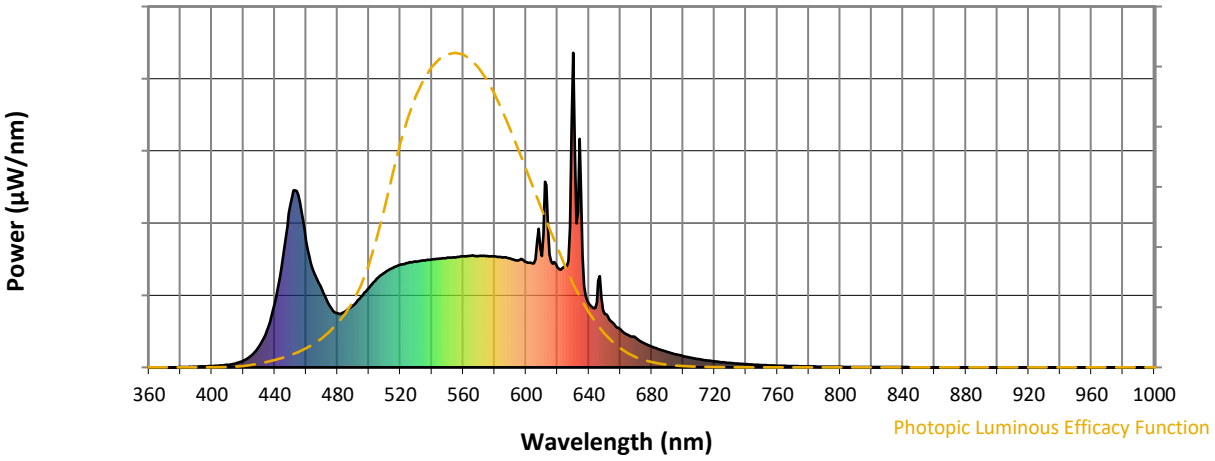


CCT = 4556K
CIE x = 0.3588
CIE y = 0.3619
Duv = -0.0001

Point lies inside the ANSI 4500K 4-step quadrangle

REPORT NUMBER: SP1-2512-631-28-R2

Photopic Flux vs. Wavelength

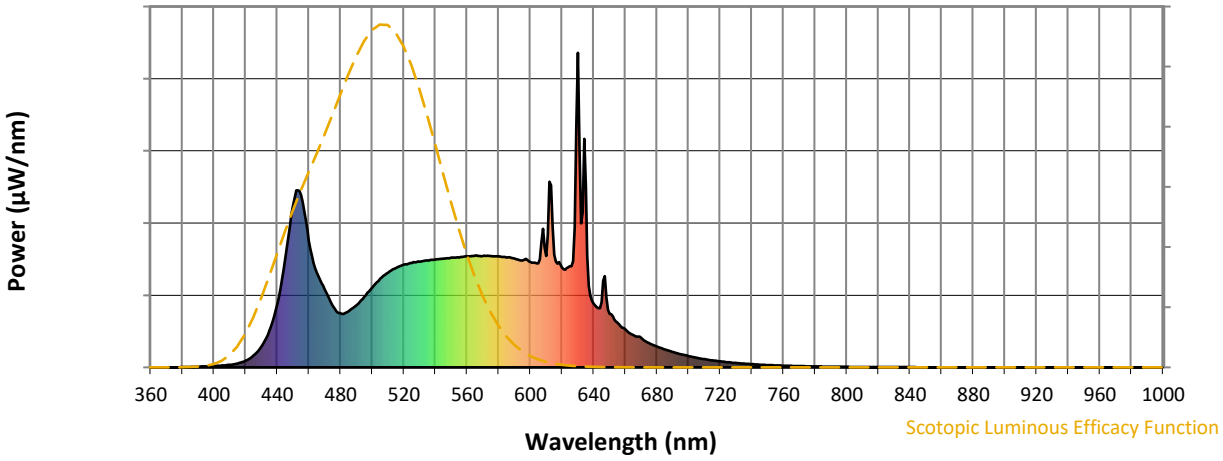


Photopic Lumens: NR

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	198	NR	620	318	NR	750	7	NR	880	0	NR
365	0	NR	495	223	NR	625	321	NR	755	6	NR	885	0	NR
370	0	NR	500	254	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	282	NR	635	572	NR	765	5	NR	895	0	NR
380	1	NR	510	301	NR	640	202	NR	770	4	NR	900	0	NR
385	1	NR	515	316	NR	645	207	NR	775	3	NR	905	0	NR
390	2	NR	520	327	NR	650	170	NR	780	3	NR	910	0	NR
395	3	NR	525	332	NR	655	143	NR	785	2	NR	915	0	NR
400	4	NR	530	336	NR	660	121	NR	790	2	NR	920	0	NR
405	6	NR	535	340	NR	665	102	NR	795	2	NR	925	0	NR
410	8	NR	540	343	NR	670	94	NR	800	2	NR	930	0	NR
415	12	NR	545	346	NR	675	77	NR	805	1	NR	935	0	NR
420	21	NR	550	349	NR	680	66	NR	810	1	NR	940	0	NR
425	37	NR	555	349	NR	685	57	NR	815	1	NR	945	0	NR
430	66	NR	560	353	NR	690	49	NR	820	1	NR	950	0	NR
435	117	NR	565	355	NR	695	42	NR	825	1	NR	955	0	NR
440	203	NR	570	354	NR	700	36	NR	830	1	NR	960	0	NR
445	343	NR	575	354	NR	705	31	NR	835	1	NR	965	0	NR
450	516	NR	580	353	NR	710	26	NR	840	1	NR	970	0	NR
455	547	NR	585	349	NR	715	22	NR	845	0	NR	975	0	NR
460	402	NR	590	346	NR	720	19	NR	850	0	NR	980	0	NR
465	301	NR	595	340	NR	725	16	NR	855	0	NR	985	0	NR
470	248	NR	600	335	NR	730	14	NR	860	0	NR	990	0	NR
475	195	NR	605	330	NR	735	12	NR	865	0	NR	995	0	NR
480	172	NR	610	354	NR	740	10	NR	870	0	NR	1000	0	NR
485	178	NR	615	358	NR	745	9	NR	875	0	NR			

REPORT NUMBER: SP1-2512-631-28-R2

Scotopic Flux vs. Wavelength

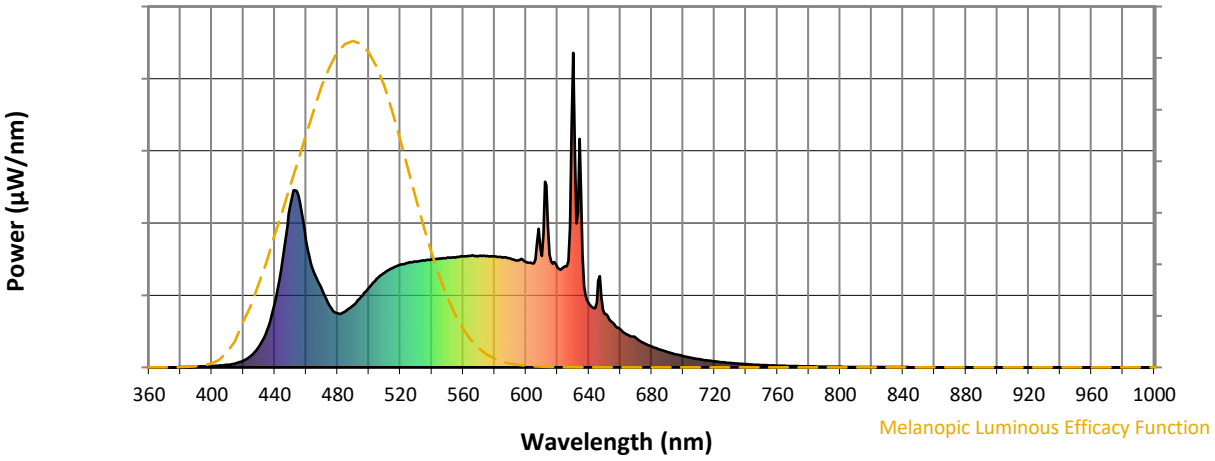


Scotopic Lumens: NR **S/P: 1.95**

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	198	NR	620	318	NR	750	7	NR	880	0	NR
365	0	NR	495	223	NR	625	321	NR	755	6	NR	885	0	NR
370	0	NR	500	254	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	282	NR	635	572	NR	765	5	NR	895	0	NR
380	1	NR	510	301	NR	640	202	NR	770	4	NR	900	0	NR
385	1	NR	515	316	NR	645	207	NR	775	3	NR	905	0	NR
390	2	NR	520	327	NR	650	170	NR	780	3	NR	910	0	NR
395	3	NR	525	332	NR	655	143	NR	785	2	NR	915	0	NR
400	4	NR	530	336	NR	660	121	NR	790	2	NR	920	0	NR
405	6	NR	535	340	NR	665	102	NR	795	2	NR	925	0	NR
410	8	NR	540	343	NR	670	94	NR	800	2	NR	930	0	NR
415	12	NR	545	346	NR	675	77	NR	805	1	NR	935	0	NR
420	21	NR	550	349	NR	680	66	NR	810	1	NR	940	0	NR
425	37	NR	555	349	NR	685	57	NR	815	1	NR	945	0	NR
430	66	NR	560	353	NR	690	49	NR	820	1	NR	950	0	NR
435	117	NR	565	355	NR	695	42	NR	825	1	NR	955	0	NR
440	203	NR	570	354	NR	700	36	NR	830	1	NR	960	0	NR
445	343	NR	575	354	NR	705	31	NR	835	1	NR	965	0	NR
450	516	NR	580	353	NR	710	26	NR	840	1	NR	970	0	NR
455	547	NR	585	349	NR	715	22	NR	845	0	NR	975	0	NR
460	402	NR	590	346	NR	720	19	NR	850	0	NR	980	0	NR
465	301	NR	595	340	NR	725	16	NR	855	0	NR	985	0	NR
470	248	NR	600	335	NR	730	14	NR	860	0	NR	990	0	NR
475	195	NR	605	330	NR	735	12	NR	865	0	NR	995	0	NR
480	172	NR	610	354	NR	740	10	NR	870	0	NR	1000	0	NR
485	178	NR	615	358	NR	745	9	NR	875	0	NR			

REPORT NUMBER: SP1-2512-631-28-R2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 4.17**

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	198	NR	620	318	NR	750	7	NR	880	0	NR
365	0	NR	495	223	NR	625	321	NR	755	6	NR	885	0	NR
370	0	NR	500	254	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	282	NR	635	572	NR	765	5	NR	895	0	NR
380	1	NR	510	301	NR	640	202	NR	770	4	NR	900	0	NR
385	1	NR	515	316	NR	645	207	NR	775	3	NR	905	0	NR
390	2	NR	520	327	NR	650	170	NR	780	3	NR	910	0	NR
395	3	NR	525	332	NR	655	143	NR	785	2	NR	915	0	NR
400	4	NR	530	336	NR	660	121	NR	790	2	NR	920	0	NR
405	6	NR	535	340	NR	665	102	NR	795	2	NR	925	0	NR
410	8	NR	540	343	NR	670	94	NR	800	2	NR	930	0	NR
415	12	NR	545	346	NR	675	77	NR	805	1	NR	935	0	NR
420	21	NR	550	349	NR	680	66	NR	810	1	NR	940	0	NR
425	37	NR	555	349	NR	685	57	NR	815	1	NR	945	0	NR
430	66	NR	560	353	NR	690	49	NR	820	1	NR	950	0	NR
435	117	NR	565	355	NR	695	42	NR	825	1	NR	955	0	NR
440	203	NR	570	354	NR	700	36	NR	830	1	NR	960	0	NR
445	343	NR	575	354	NR	705	31	NR	835	1	NR	965	0	NR
450	516	NR	580	353	NR	710	26	NR	840	1	NR	970	0	NR
455	547	NR	585	349	NR	715	22	NR	845	0	NR	975	0	NR
460	402	NR	590	346	NR	720	19	NR	850	0	NR	980	0	NR
465	301	NR	595	340	NR	725	16	NR	855	0	NR	985	0	NR
470	248	NR	600	335	NR	730	14	NR	860	0	NR	990	0	NR
475	195	NR	605	330	NR	735	12	NR	865	0	NR	995	0	NR
480	172	NR	610	354	NR	740	10	NR	870	0	NR	1000	0	NR
485	178	NR	615	358	NR	745	9	NR	875	0	NR			

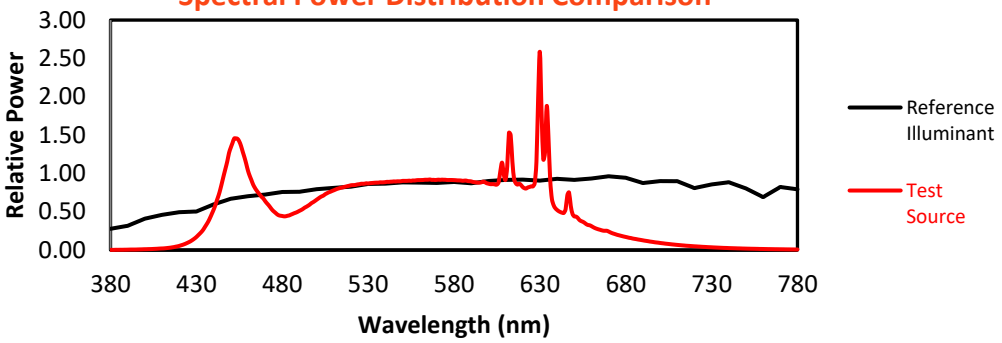
REPORT NUMBER: SP1-2512-631-28-R2

TM-30-18

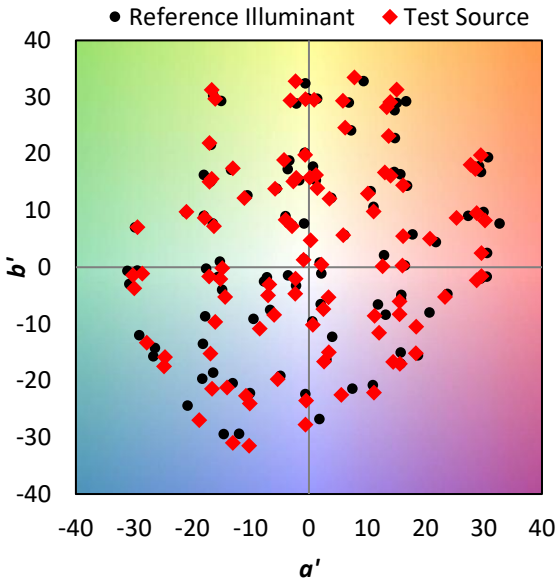
Summary

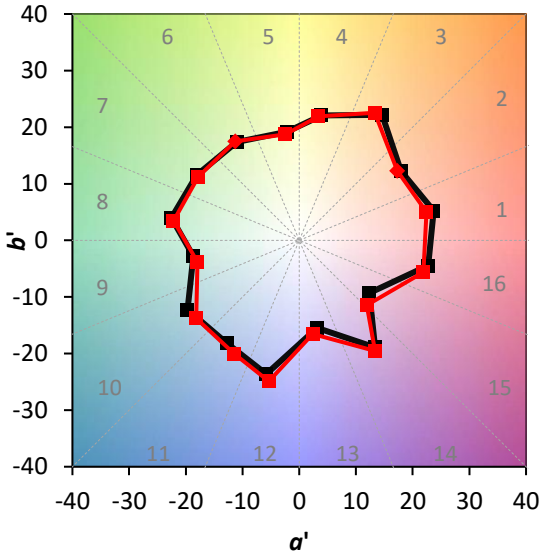
R_f = 90.4
R_g = 99.5
CIE R_a = 93.8
R_9 = 68.4

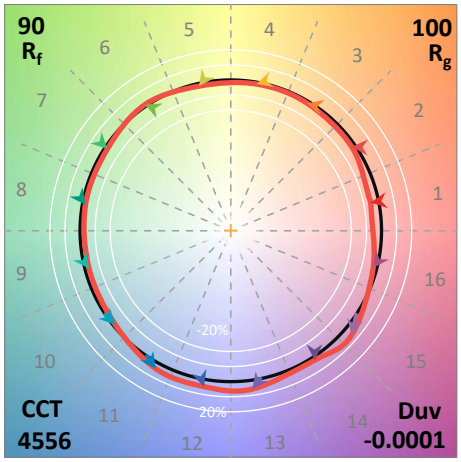
Spectral Power Distribution Comparison

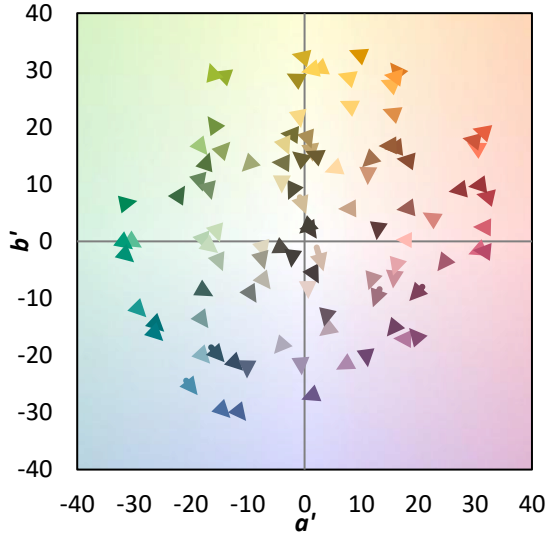


Color Vector Graphics







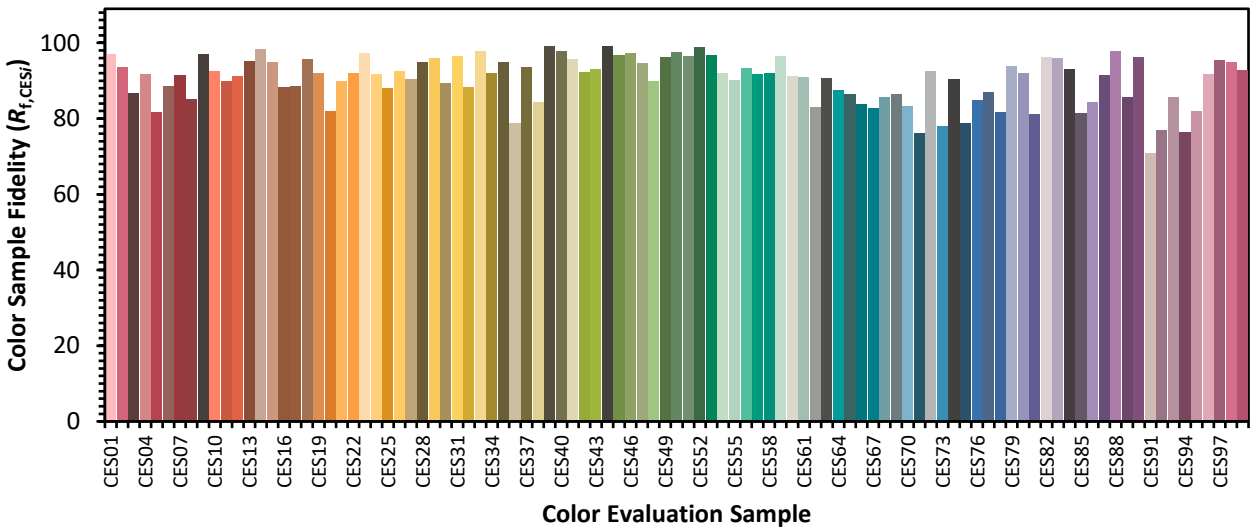


REPORT NUMBER: SP1-2512-631-28-R2

TM-30-18

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

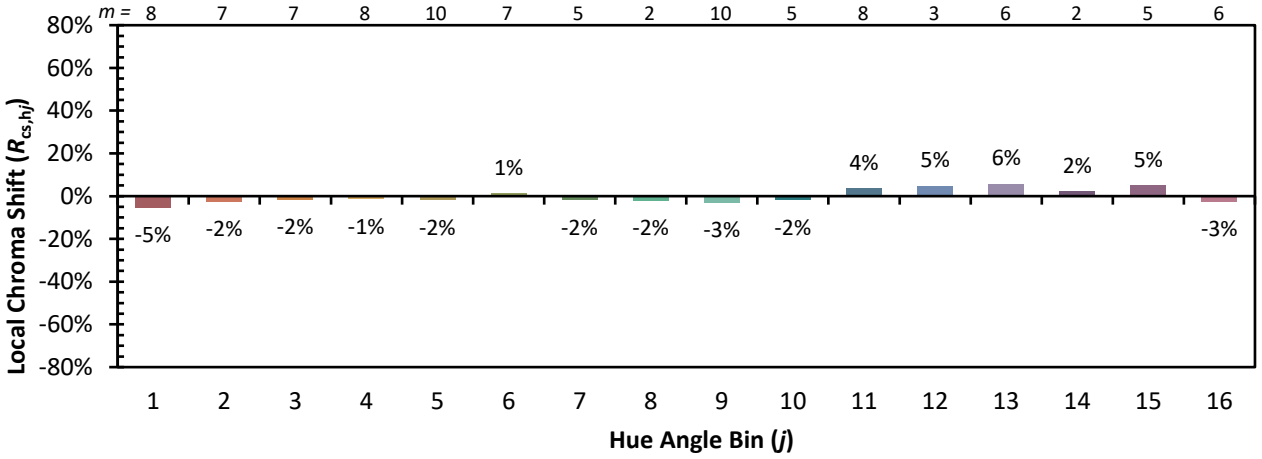
CES01 = 85	CES26 = 92	CES51 = 96	CES76 = 85
CES02 = 61	CES27 = 90	CES52 = 99	CES77 = 87
CES03 = 31	CES28 = 95	CES53 = 97	CES78 = 82
CES04 = 69	CES29 = 96	CES54 = 92	CES79 = 94
CES05 = 48	CES30 = 89	CES55 = 90	CES80 = 92
CES06 = 50	CES31 = 97	CES56 = 93	CES81 = 81
CES07 = 41	CES32 = 88	CES57 = 92	CES82 = 96
CES08 = 40	CES33 = 98	CES58 = 92	CES83 = 96
CES09 = 29	CES34 = 92	CES59 = 97	CES84 = 93
CES10 = 74	CES35 = 95	CES60 = 91	CES85 = 82
CES11 = 56	CES36 = 79	CES61 = 91	CES86 = 84
CES12 = 62	CES37 = 94	CES62 = 83	CES87 = 91
CES13 = 43	CES38 = 84	CES63 = 91	CES88 = 98
CES14 = 74	CES39 = 99	CES64 = 87	CES89 = 86
CES15 = 71	CES40 = 98	CES65 = 86	CES90 = 96
CES16 = 47	CES41 = 96	CES66 = 84	CES91 = 71
CES17 = 49	CES42 = 92	CES67 = 83	CES92 = 77
CES18 = 56	CES43 = 93	CES68 = 86	CES93 = 86
CES19 = 70	CES44 = 99	CES69 = 87	CES94 = 76
CES20 = 65	CES45 = 97	CES70 = 83	CES95 = 82
CES21 = 85	CES46 = 97	CES71 = 76	CES96 = 92
CES22 = 77	CES47 = 95	CES72 = 92	CES97 = 95
CES23 = 91	CES48 = 90	CES73 = 78	CES98 = 95
CES24 = 90	CES49 = 96	CES74 = 91	CES99 = 93
CES25 = 70	CES50 = 98	CES75 = 79	

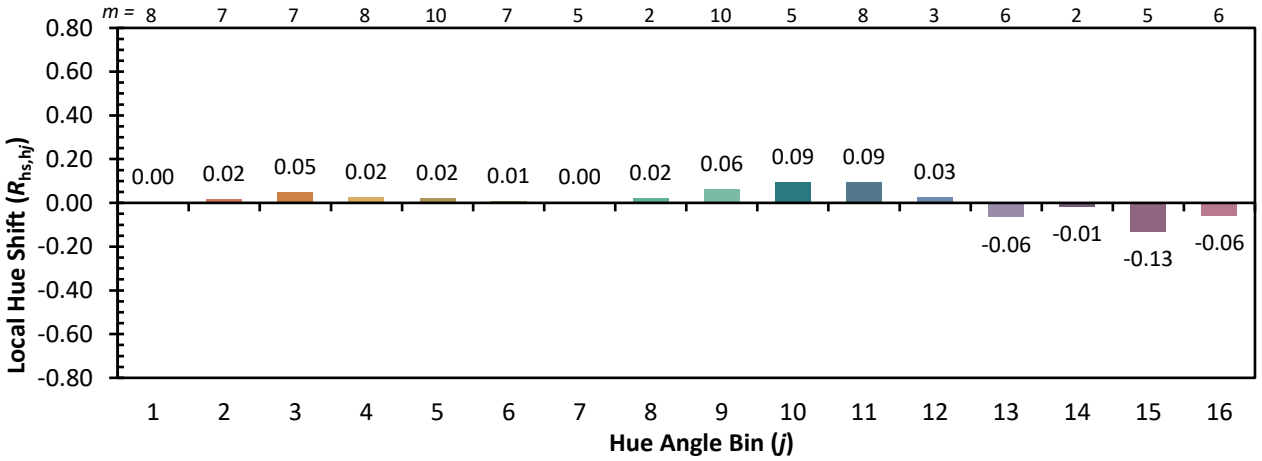


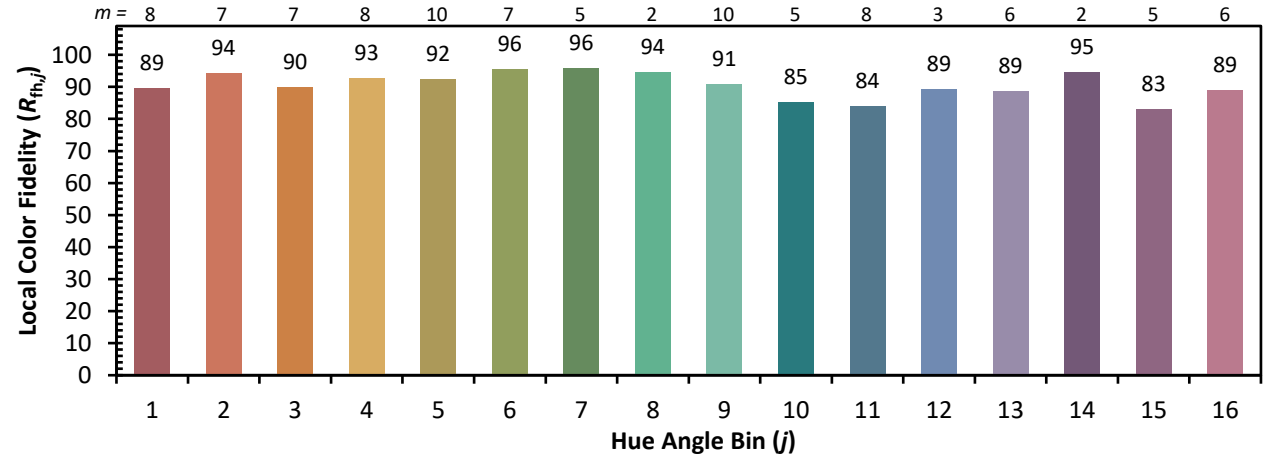
REPORT NUMBER: SP1-2512-631-28-R2

TM-30-18

Color Rendition by Hue-Angle Bin



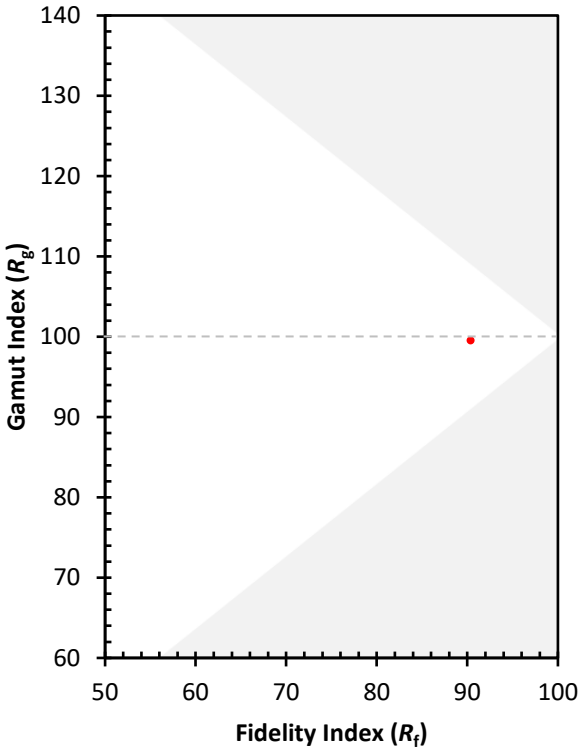


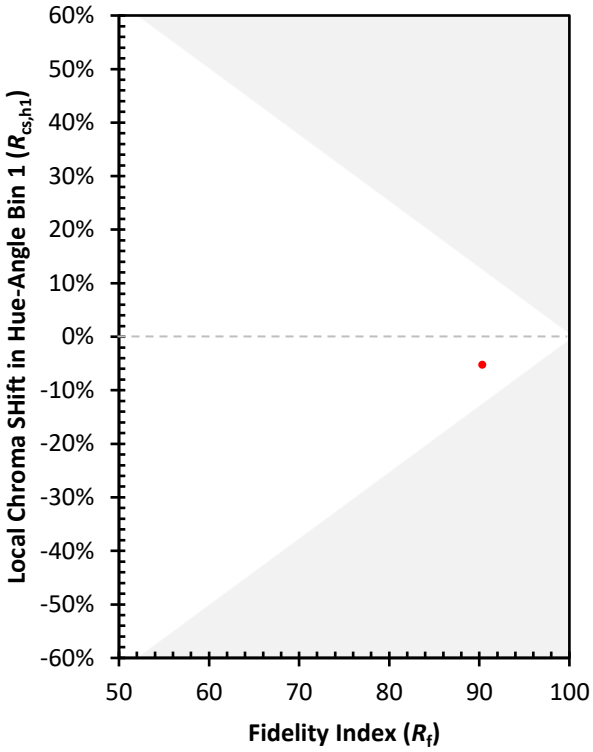


REPORT NUMBER: SP1-2512-631-28-R2

TM-30-18

Measure Comparisons





(END OF REPORT)