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: P1527776

Luminaire Tested: 24CGTX-55-B2750-W2A-3000K

Issue Date: 8/26/2026

Report Generated By 670265710 / DESKTOP-98SHLC4

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Scaled Data Report

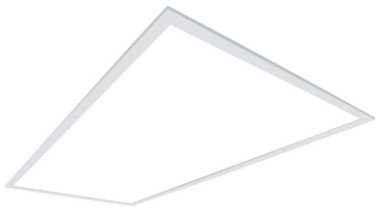
Test Information

Test Method:	LM-79-2019
Report Number:	P1527776
	TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2505-441-7)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	8/26/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	24CGTX-55-B2750-W2A-3000K
Description:	2X4 5500 LUMEN CGTX TROFFER WITH BIO UP LEDS AT 3000K CCT WITH FROSTED SMOOTH L
Light Source:	3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5408.0 lumens
Efficiency:	N/A
Efficacy:	108.8 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):	49.7
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

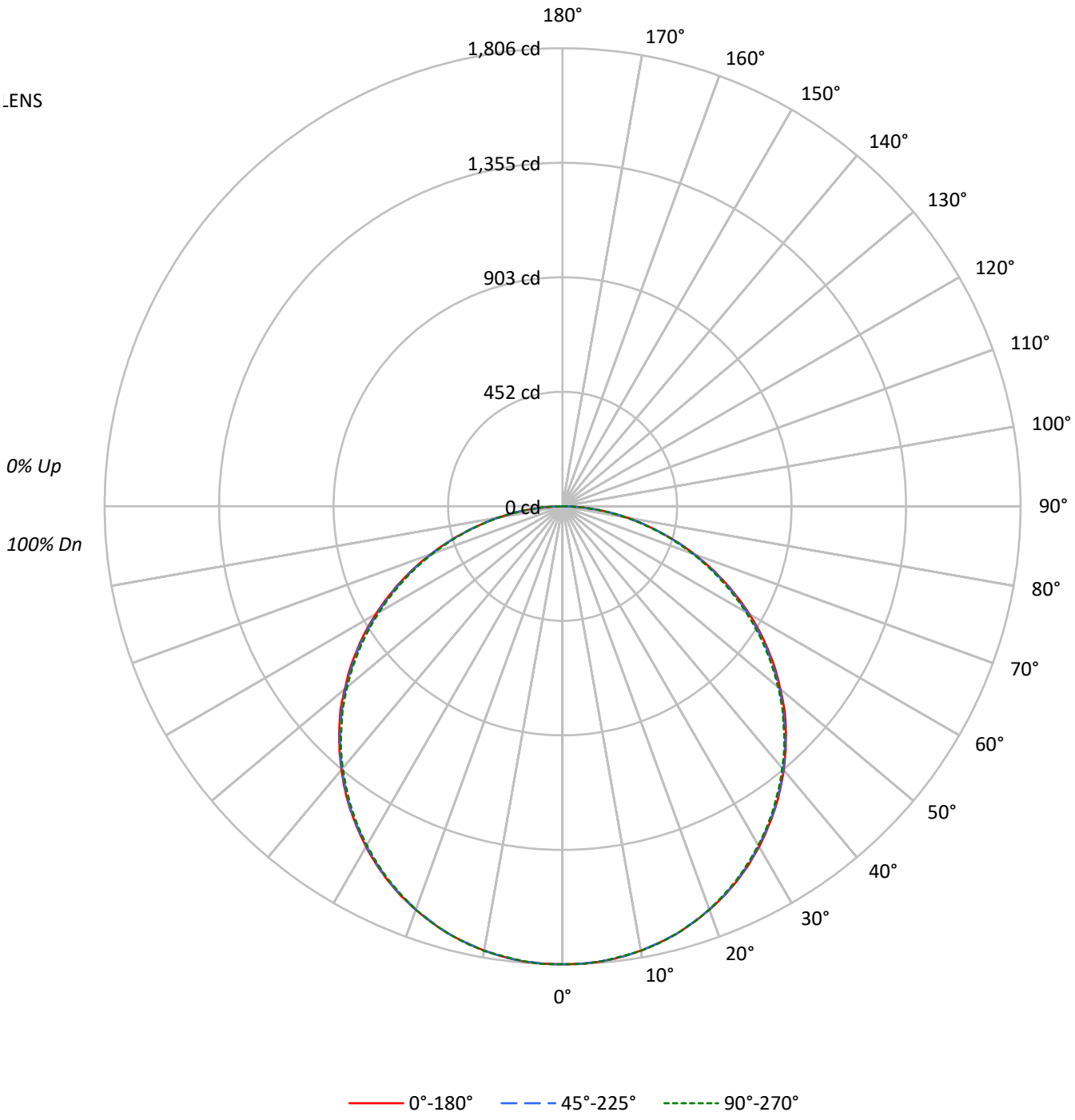


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Scaled Data Report

TEST NUMBER: P1527776
CATALOG NUMBER: 24CGTX-55-B2750-W2A-3000K

Luminous Intensity Polar Plot



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TEST NUMBER: P1527776
CATALOG NUMBER: 24CGTX-55-B2750-W2A-3000K

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	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	60	68	64	59	57
4	82	69	60	53	79	68	59	53	65	58	52	63	57	51	61	55	51	49
5	75	62	53	46	73	61	52	46	58	51	45	56	50	44	55	49	44	42
6	69	56	46	40	67	55	46	40	53	45	39	51	44	39	49	43	39	36
7	64	50	41	35	62	49	41	35	48	40	35	46	40	34	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	35	31	29
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	28	26
10	52	39	31	25	51	38	31	25	37	30	25	36	30	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2429	2429	2429
5°	2432	2431	2431
10°	2430	2430	2432
15°	2429	2429	2429
20°	2424	2421	2423
25°	2419	2414	2411
30°	2409	2403	2398
35°	2398	2393	2384
40°	2383	2378	2368
45°	2370	2358	2347
50°	2346	2335	2323
55°	2325	2308	2290
60°	2289	2270	2248
65°	2244	2225	2200
70°	2177	2169	2142
75°	2084	2099	2063
80°	1993	2016	1977
85°	1893	1846	1846

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2370 cd/sqm

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Scaled Data Report

TEST NUMBER: P1527776
CATALOG NUMBER: 24CGTX-55-B2750-W2A-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.2	3.2
10°-20°	492.0	9.1
20°-30°	749.5	13.9
30°-40°	910.7	16.8
40°-50°	955.7	17.7
50°-60°	878.0	16.2
60°-70°	689.9	12.8
70°-80°	425.3	7.9
80°-90°	135.7	2.5
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°	1412.7	26.1
0°-40°	2323.4	43.0
0°-60°	4157.1	76.9
0°-90°	5408.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5408.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1806	1806	1806	1806	1806	
5°	1801	1800	1800	1801	1800	171
15°	1744	1743	1744	1743	1744	492
25°	1629	1628	1626	1623	1624	751
35°	1460	1458	1457	1454	1452	913
45°	1245	1241	1239	1236	1233	961
55°	991	986	984	978	976	885
65°	705	700	699	693	691	697
75°	401	404	404	401	397	426
85°	123	126	120	120	120	135
90°	0	0	0	0	0	

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Scaled Data Report

TEST NUMBER: P1527776
CATALOG NUMBER: 24CGTX-55-B2750-W2A-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*1805.6*	*1805.6*	*1805.6*	*1805.6*	*1805.6*
2.5°	*1804.6*	1804.6	1804.6	1804.6	1805.6
5°	*1800.7*	1799.7	1799.7	1800.7	1799.7
7.5°	*1791.7*	1791.7	1791.7	1791.7	1789.7
10°	*1778.7*	1778.7	1778.7	1779.7	1779.7
12.5°	*1762.8*	1762.8	1761.8	1763.8	1763.8
15°	*1743.8*	1742.8	1743.8	1742.8	1743.8
17.5°	*1719.9*	1719.9	1717.9	1718.9	1719.9
20°	*1693.0*	1693.0	1691.0	1691.0	1692.0
22.5°	*1663.1*	1662.1	1661.1	1659.1	1659.1
25°	*1629.2*	1628.2	1626.2	1623.2	1624.2
27.5°	*1591.3*	1590.3	1588.3	1585.3	1585.3
30°	*1550.4*	1549.4	1546.4	1542.4	1543.4
32.5°	*1505.5*	1505.5	1502.5	1500.5	1499.5
35°	*1459.7*	1457.7	1456.7	1453.7	1451.7
37.5°	*1409.8*	1407.8	1405.8	1403.8	1400.8
40°	*1357.0*	1355.0	1354.0	1351.0	1348.0
42.5°	*1302.1*	1299.1	1298.1	1295.2	1294.2
45°	*1245.3*	1241.3	1239.3	1236.3	1233.3
47.5°	*1187.5*	1180.5	1178.5	1174.5	1174.5
50°	*1120.7*	1116.7	1115.7	1111.7	1109.7
52.5°	*1058.9*	1051.9	1049.9	1045.9	1043.9
55°	*991.1*	986.1	984.1	978.1	976.1
57.5°	*922.3*	915.3	914.3	909.3	906.3
60°	*850.5*	845.5	843.5	838.5	835.5
62.5°	*778.7*	773.7	770.7	765.7	763.7
65°	*704.9*	699.9	698.9	692.9	690.9
67.5°	*631.1*	626.1	625.1	619.2	618.2
70°	*553.4*	552.4	551.4	545.4	544.4
72.5°	*479.6*	478.6	477.6	473.6	470.6
75°	*400.8*	403.8	403.8	400.8	396.8
77.5°	*329.0*	334.0	331.0	329.0	325.0
80°	*257.2*	261.2	260.2	256.2	255.2
82.5°	*186.4*	192.4	187.4	186.4	184.5
85°	*122.6*	125.6	119.6	119.6	119.6
87.5°	*58.8*	61.8	57.8	60.8	61.8
90°	*0.0*	0.0	0.0	0.0	0.0

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TEST NUMBER: P1527776
CATALOG NUMBER: 24CGTX-55-B2750-W2A-3000K

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	15.11	16.78	15.48	17.09	17.41	15.05	16.72	15.42	17.03	17.35
	3H	17.07	18.58	17.44	18.91	19.27	16.99	18.50	17.36	18.82	19.18
	4H	17.83	19.26	18.23	19.61	19.98	17.75	19.18	18.15	19.53	19.90
	6H	18.45	19.77	18.86	20.13	20.53	18.36	19.69	18.77	20.05	20.44
	8H	18.66	19.93	19.08	20.32	20.71	18.58	19.85	19.00	20.24	20.63
	12H	18.82	20.04	19.25	20.42	20.85	18.74	19.95	19.17	20.33	20.76
4H	2H	15.78	17.21	16.18	17.56	17.93	15.74	17.16	16.13	17.51	17.89
	3H	17.97	19.17	18.38	19.57	19.97	17.90	19.10	18.31	19.50	19.90
	4H	18.88	19.97	19.31	20.38	20.82	18.81	19.90	19.24	20.31	20.75
	6H	19.64	20.59	20.09	21.03	21.49	19.56	20.52	20.01	20.96	21.41
	8H	19.91	20.81	20.37	21.25	21.71	19.83	20.73	20.29	21.17	21.64
	12H	20.13	20.94	20.61	21.41	21.88	20.05	20.85	20.53	21.33	21.80
8H	4H	19.24	20.14	19.70	20.58	21.05	19.19	20.08	19.64	20.52	20.99
	6H	20.15	20.90	20.64	21.38	21.86	20.08	20.83	20.57	21.32	21.79
	8H	20.52	21.19	21.02	21.69	22.18	20.44	21.11	20.95	21.62	22.10
	12H	20.83	21.43	21.34	21.92	22.48	20.74	21.34	21.25	21.83	22.39
12H	4H	19.29	20.10	19.77	20.58	21.05	19.24	20.05	19.72	20.52	20.99
	6H	20.23	20.90	20.74	21.41	21.89	20.16	20.84	20.67	21.34	21.83
	8H	20.66	21.26	21.17	21.75	22.31	20.59	21.19	21.10	21.68	22.24

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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: SP1-2505-441-15-R2

Test Date: 06/12/2025

Luminaire Tested: 24CGTX-55-B2750-W2A-3000K

Data in this report applies to families of products including 24CGTX

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

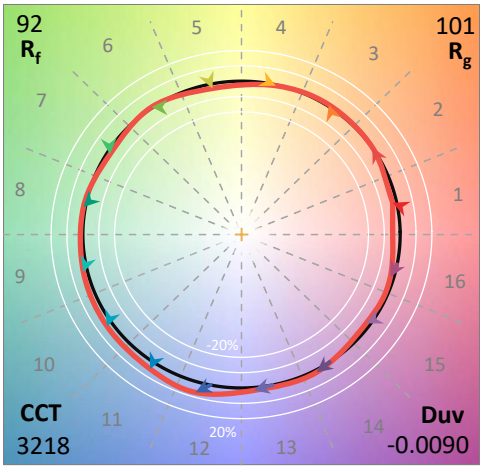
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2505-441-15-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:	**24CGTX-55-B2750-W2A-3000K**
Description:	*THIS IS A REVISION OF REPORT SP1-2504-441-15-R2 TO UPDATE THE CATALOG INFORMATION* 2X4 5500 LUMEN CGTX AT 7.0V

Spectral Parameters

CCT (K):	3218
CIE u':	0.2471
CIE v':	0.5047
Duv:	-0.0090
CIE x:	0.4113
CIE y:	0.3733
CIE z:	0.2154
Peak Wavelength (nm):	630
Dominant Wavelength (nm):	586
Purity:	35.5
Rf:	92.4
Rg:	100.9

CRI (Ra):	92.1				
R1:	94.2	R9:	87.4		
R2:	92.2	R10:	85.6		
R3:	93.0	R11:	94.6		
R4:	97.8	R12:	78.5		
R5:	93.2	R13:	92.9		
R6:	85.3	R14:	97.6		
R7:	90.0	R15:	96.4		
R8:	91.4				



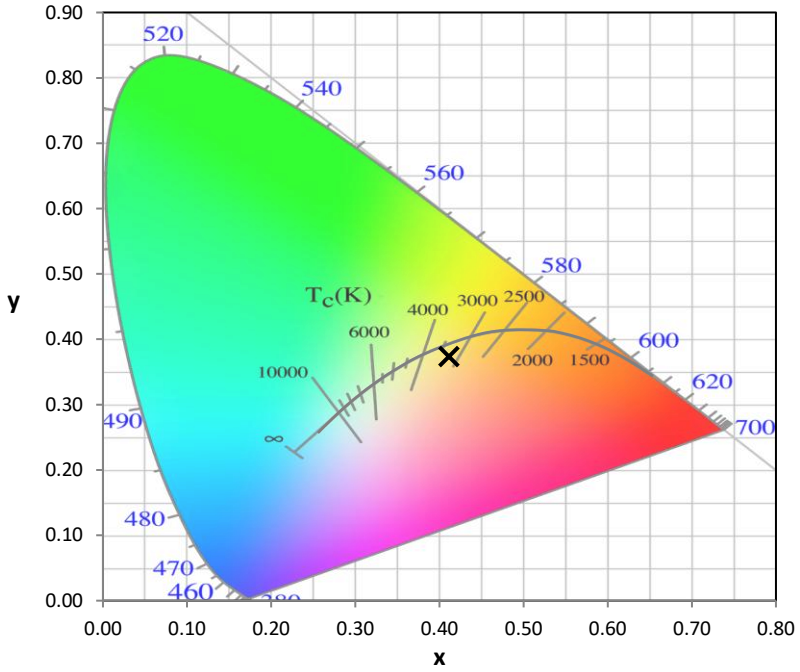
Test Conditions

Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.0

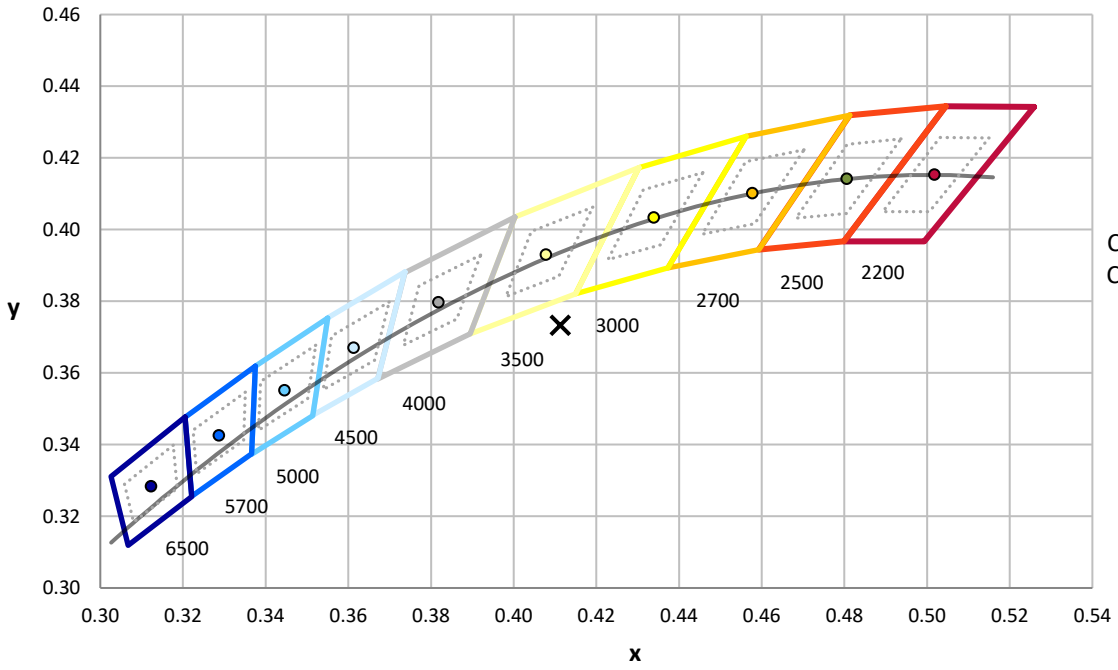
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2024	6/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208	10/22/2024	10/22/2025
Sphere Thermometer	ONSET IN0085	10/22/2024	10/22/2025
Room Thermometer	ONSET IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2505-441-15-R2

CIE 1931 Chromaticity Diagram



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

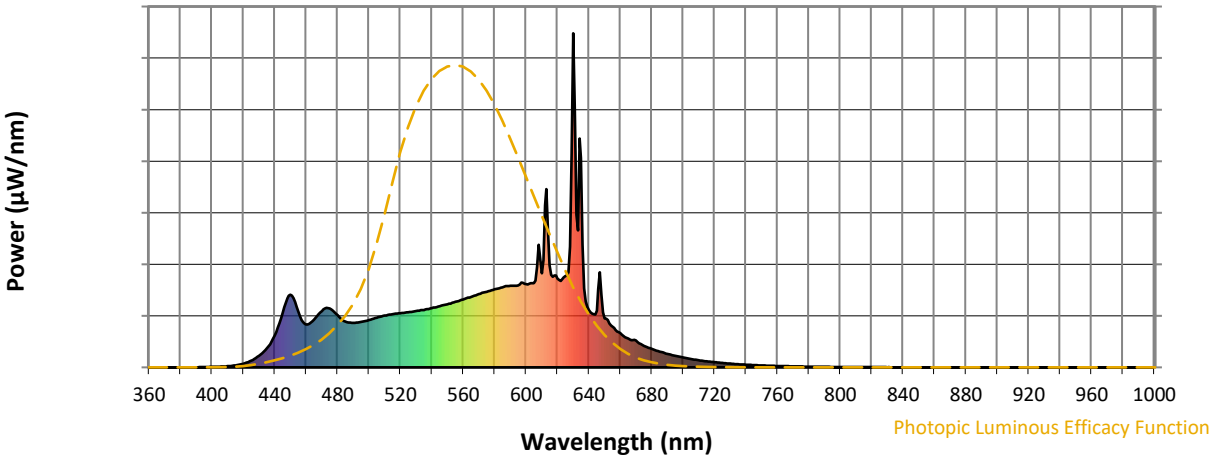


CCT = 3218K
CIE x = 0.4113
CIE y = 0.3733
Duv = -0.0090

Point lies outside the range

REPORT NUMBER: SP1-2505-441-15-R2

Photopic Flux vs. Wavelength

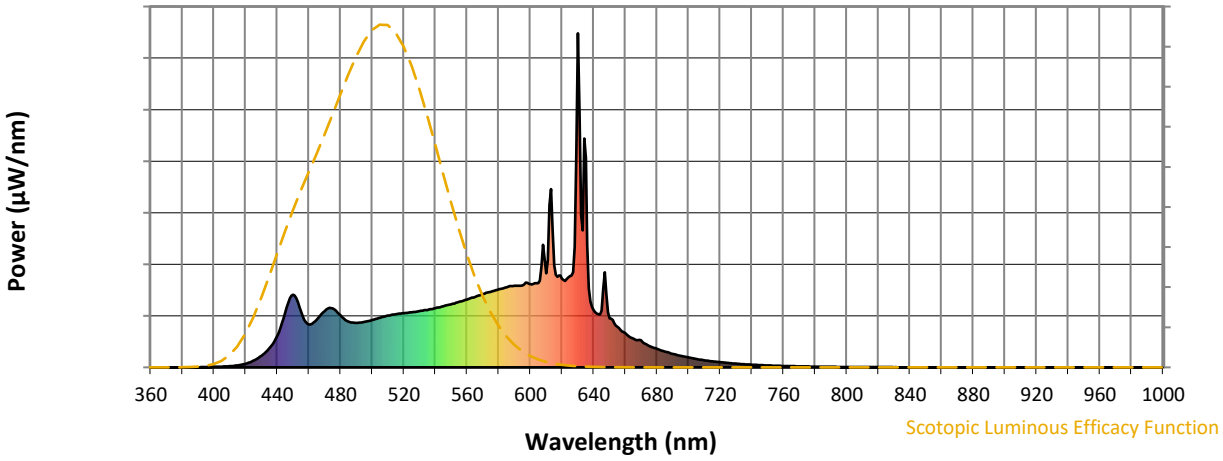


Photopic Lumens: NR

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	133	NR	620	266	NR	750	6	NR	880	0	NR
365	0	NR	495	136	NR	625	273	NR	755	5	NR	885	0	NR
370	0	NR	500	142	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	149	NR	635	627	NR	765	4	NR	895	0	NR
380	0	NR	510	155	NR	640	172	NR	770	3	NR	900	0	NR
385	0	NR	515	159	NR	645	169	NR	775	3	NR	905	0	NR
390	0	NR	520	162	NR	650	146	NR	780	2	NR	910	0	NR
395	1	NR	525	165	NR	655	122	NR	785	2	NR	915	0	NR
400	2	NR	530	169	NR	660	103	NR	790	2	NR	920	0	NR
405	2	NR	535	172	NR	665	86	NR	795	1	NR	925	0	NR
410	4	NR	540	177	NR	670	80	NR	800	1	NR	930	0	NR
415	6	NR	545	183	NR	675	65	NR	805	1	NR	935	0	NR
420	11	NR	550	189	NR	680	55	NR	810	1	NR	940	0	NR
425	20	NR	555	196	NR	685	47	NR	815	1	NR	945	0	NR
430	35	NR	560	203	NR	690	40	NR	820	1	NR	950	0	NR
435	57	NR	565	211	NR	695	35	NR	825	1	NR	955	0	NR
440	94	NR	570	219	NR	700	29	NR	830	1	NR	960	0	NR
445	163	NR	575	226	NR	705	25	NR	835	0	NR	965	0	NR
450	218	NR	580	233	NR	710	21	NR	840	0	NR	970	0	NR
455	167	NR	585	240	NR	715	18	NR	845	0	NR	975	0	NR
460	129	NR	590	244	NR	720	15	NR	850	0	NR	980	0	NR
465	143	NR	595	245	NR	725	13	NR	855	0	NR	985	0	NR
470	169	NR	600	249	NR	730	11	NR	860	0	NR	990	0	NR
475	177	NR	605	252	NR	735	9	NR	865	0	NR	995	0	NR
480	156	NR	610	282	NR	740	8	NR	870	0	NR	1000	0	NR
485	137	NR	615	306	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2505-441-15-R2

Scotopic Flux vs. Wavelength

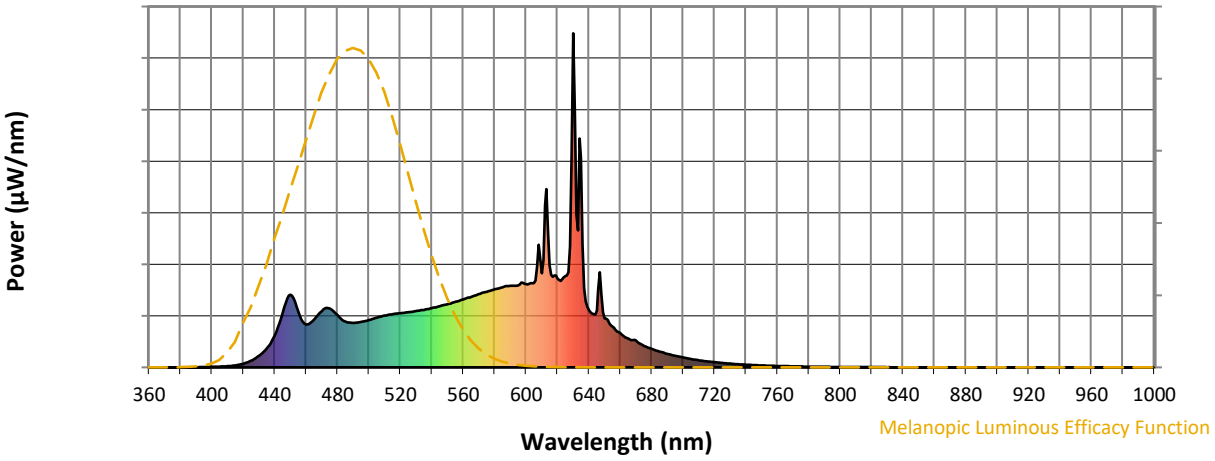


Scotopic Lumens: NR **S/P: 1.68**

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	133	NR	620	266	NR	750	6	NR	880	0	NR
365	0	NR	495	136	NR	625	273	NR	755	5	NR	885	0	NR
370	0	NR	500	142	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	149	NR	635	627	NR	765	4	NR	895	0	NR
380	0	NR	510	155	NR	640	172	NR	770	3	NR	900	0	NR
385	0	NR	515	159	NR	645	169	NR	775	3	NR	905	0	NR
390	0	NR	520	162	NR	650	146	NR	780	2	NR	910	0	NR
395	1	NR	525	165	NR	655	122	NR	785	2	NR	915	0	NR
400	2	NR	530	169	NR	660	103	NR	790	2	NR	920	0	NR
405	2	NR	535	172	NR	665	86	NR	795	1	NR	925	0	NR
410	4	NR	540	177	NR	670	80	NR	800	1	NR	930	0	NR
415	6	NR	545	183	NR	675	65	NR	805	1	NR	935	0	NR
420	11	NR	550	189	NR	680	55	NR	810	1	NR	940	0	NR
425	20	NR	555	196	NR	685	47	NR	815	1	NR	945	0	NR
430	35	NR	560	203	NR	690	40	NR	820	1	NR	950	0	NR
435	57	NR	565	211	NR	695	35	NR	825	1	NR	955	0	NR
440	94	NR	570	219	NR	700	29	NR	830	1	NR	960	0	NR
445	163	NR	575	226	NR	705	25	NR	835	0	NR	965	0	NR
450	218	NR	580	233	NR	710	21	NR	840	0	NR	970	0	NR
455	167	NR	585	240	NR	715	18	NR	845	0	NR	975	0	NR
460	129	NR	590	244	NR	720	15	NR	850	0	NR	980	0	NR
465	143	NR	595	245	NR	725	13	NR	855	0	NR	985	0	NR
470	169	NR	600	249	NR	730	11	NR	860	0	NR	990	0	NR
475	177	NR	605	252	NR	735	9	NR	865	0	NR	995	0	NR
480	156	NR	610	282	NR	740	8	NR	870	0	NR	1000	0	NR
485	137	NR	615	306	NR	745	7	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.56**

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	133	NR	620	266	NR	750	6	NR	880	0	NR
365	0	NR	495	136	NR	625	273	NR	755	5	NR	885	0	NR
370	0	NR	500	142	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	149	NR	635	627	NR	765	4	NR	895	0	NR
380	0	NR	510	155	NR	640	172	NR	770	3	NR	900	0	NR
385	0	NR	515	159	NR	645	169	NR	775	3	NR	905	0	NR
390	0	NR	520	162	NR	650	146	NR	780	2	NR	910	0	NR
395	1	NR	525	165	NR	655	122	NR	785	2	NR	915	0	NR
400	2	NR	530	169	NR	660	103	NR	790	2	NR	920	0	NR
405	2	NR	535	172	NR	665	86	NR	795	1	NR	925	0	NR
410	4	NR	540	177	NR	670	80	NR	800	1	NR	930	0	NR
415	6	NR	545	183	NR	675	65	NR	805	1	NR	935	0	NR
420	11	NR	550	189	NR	680	55	NR	810	1	NR	940	0	NR
425	20	NR	555	196	NR	685	47	NR	815	1	NR	945	0	NR
430	35	NR	560	203	NR	690	40	NR	820	1	NR	950	0	NR
435	57	NR	565	211	NR	695	35	NR	825	1	NR	955	0	NR
440	94	NR	570	219	NR	700	29	NR	830	1	NR	960	0	NR
445	163	NR	575	226	NR	705	25	NR	835	0	NR	965	0	NR
450	218	NR	580	233	NR	710	21	NR	840	0	NR	970	0	NR
455	167	NR	585	240	NR	715	18	NR	845	0	NR	975	0	NR
460	129	NR	590	244	NR	720	15	NR	850	0	NR	980	0	NR
465	143	NR	595	245	NR	725	13	NR	855	0	NR	985	0	NR
470	169	NR	600	249	NR	730	11	NR	860	0	NR	990	0	NR
475	177	NR	605	252	NR	735	9	NR	865	0	NR	995	0	NR
480	156	NR	610	282	NR	740	8	NR	870	0	NR	1000	0	NR
485	137	NR	615	306	NR	745	7	NR	875	0	NR			

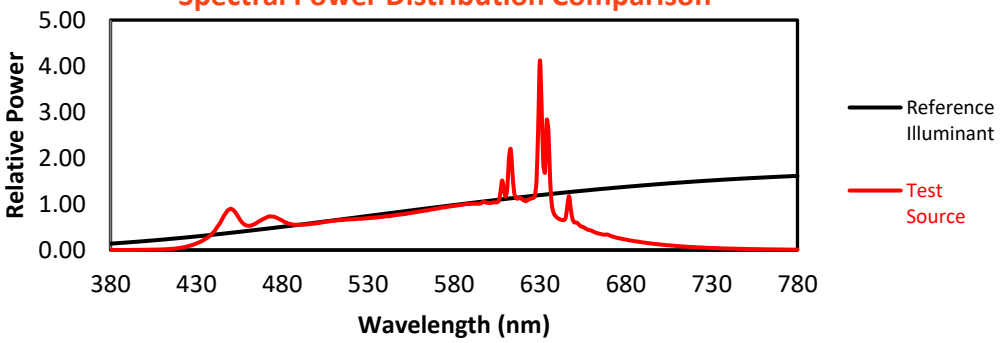
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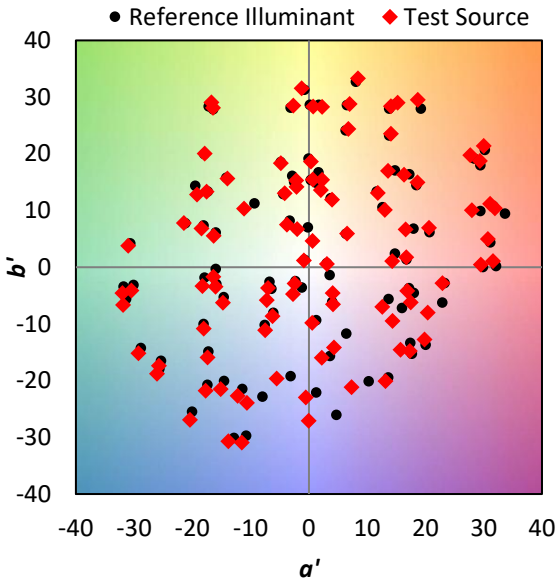
Summary

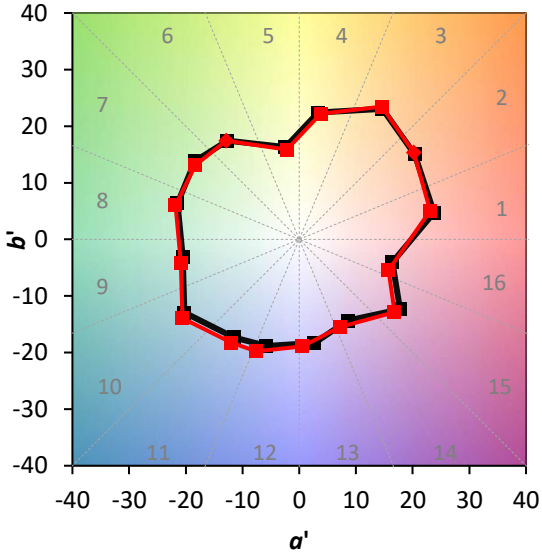
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R_g = 100.9
CIE R_a = 92.1
R_9 = 87.4

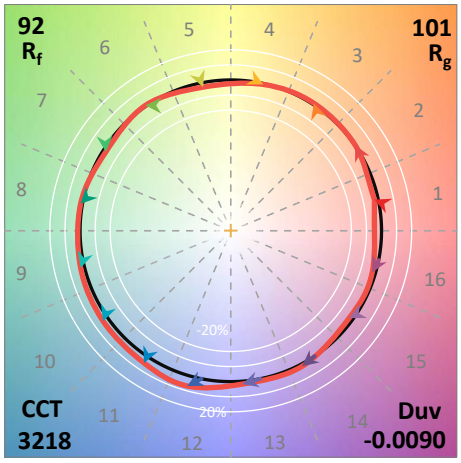
Spectral Power Distribution Comparison

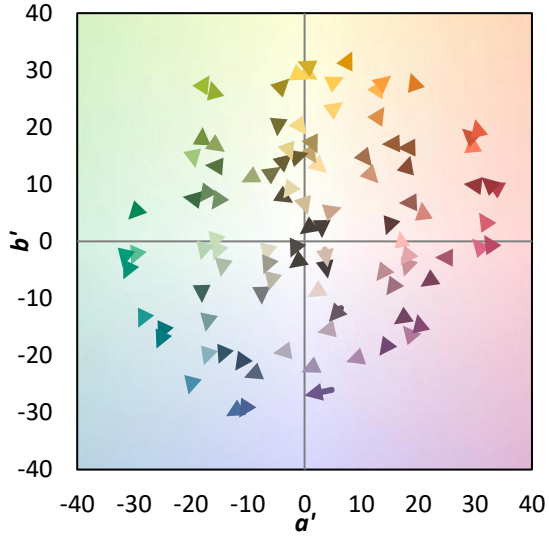


Color Vector Graphics







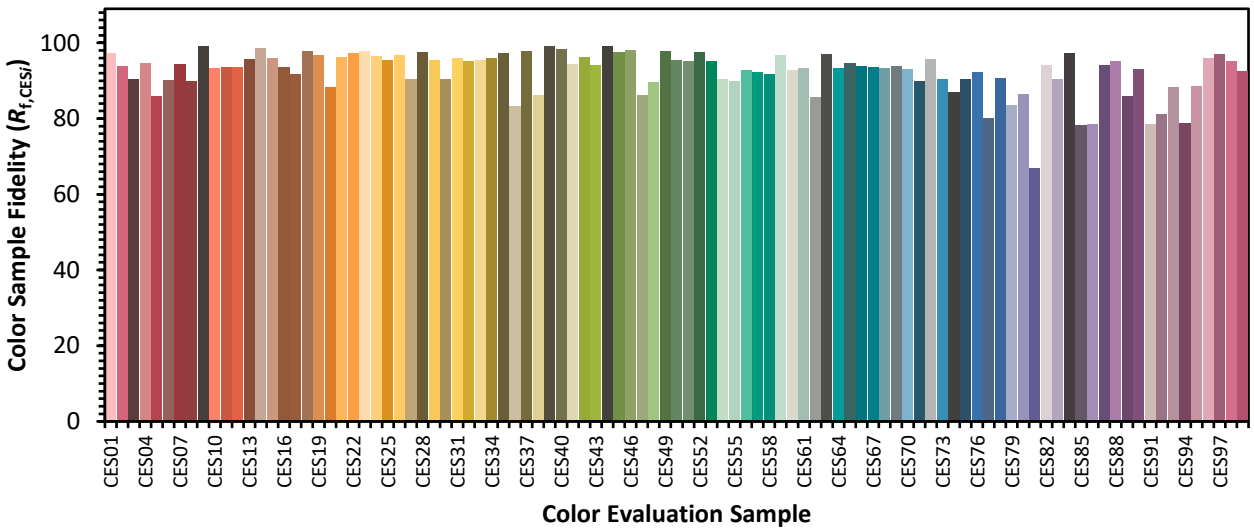


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Individual Sample Fidelity Index ($R_{f,i}$)

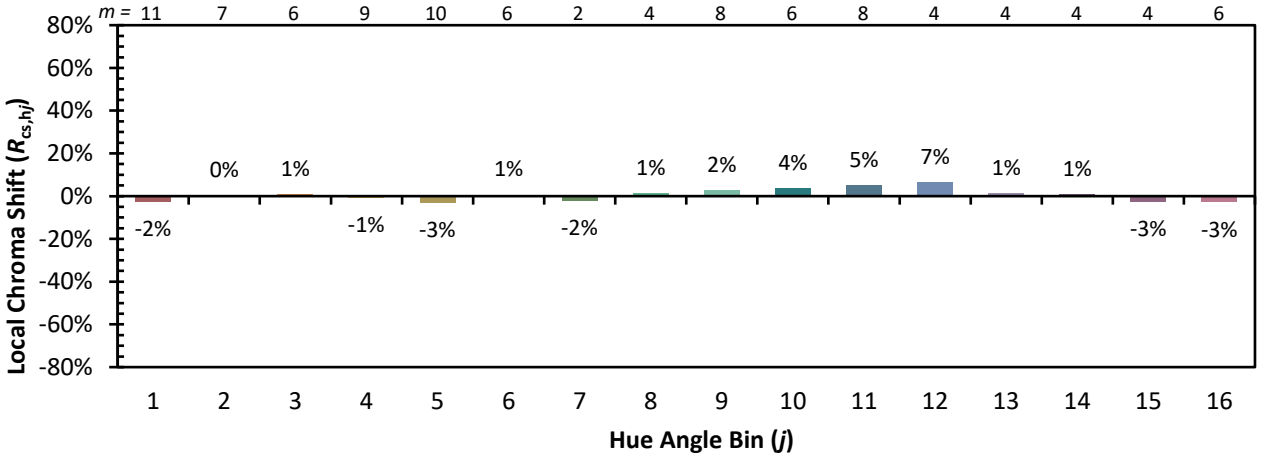
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CES02 = 63	CES27 = 90	CES52 = 97	CES77 = 80
CES03 = 32	CES28 = 97	CES53 = 95	CES78 = 91
CES04 = 70	CES29 = 95	CES54 = 91	CES79 = 83
CES05 = 51	CES30 = 90	CES55 = 90	CES80 = 86
CES06 = 51	CES31 = 96	CES56 = 93	CES81 = 67
CES07 = 44	CES32 = 95	CES57 = 92	CES82 = 94
CES08 = 42	CES33 = 96	CES58 = 92	CES83 = 90
CES09 = 29	CES34 = 96	CES59 = 97	CES84 = 97
CES10 = 76	CES35 = 97	CES60 = 93	CES85 = 78
CES11 = 58	CES36 = 83	CES61 = 93	CES86 = 79
CES12 = 65	CES37 = 98	CES62 = 86	CES87 = 94
CES13 = 44	CES38 = 86	CES63 = 97	CES88 = 95
CES14 = 74	CES39 = 99	CES64 = 93	CES89 = 86
CES15 = 72	CES40 = 98	CES65 = 95	CES90 = 93
CES16 = 48	CES41 = 94	CES66 = 94	CES91 = 79
CES17 = 50	CES42 = 96	CES67 = 94	CES92 = 81
CES18 = 57	CES43 = 94	CES68 = 93	CES93 = 88
CES19 = 71	CES44 = 99	CES69 = 94	CES94 = 79
CES20 = 67	CES45 = 97	CES70 = 93	CES95 = 89
CES21 = 86	CES46 = 98	CES71 = 90	CES96 = 96
CES22 = 79	CES47 = 86	CES72 = 96	CES97 = 97
CES23 = 91	CES48 = 90	CES73 = 90	CES98 = 95
CES24 = 90	CES49 = 98	CES74 = 87	CES99 = 92
CES25 = 71	CES50 = 95	CES75 = 90	

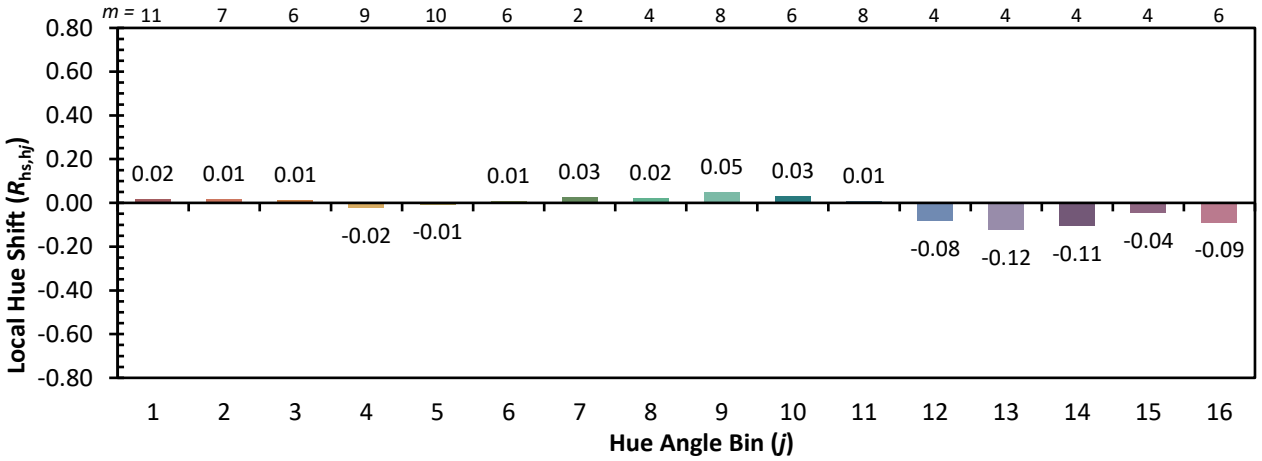


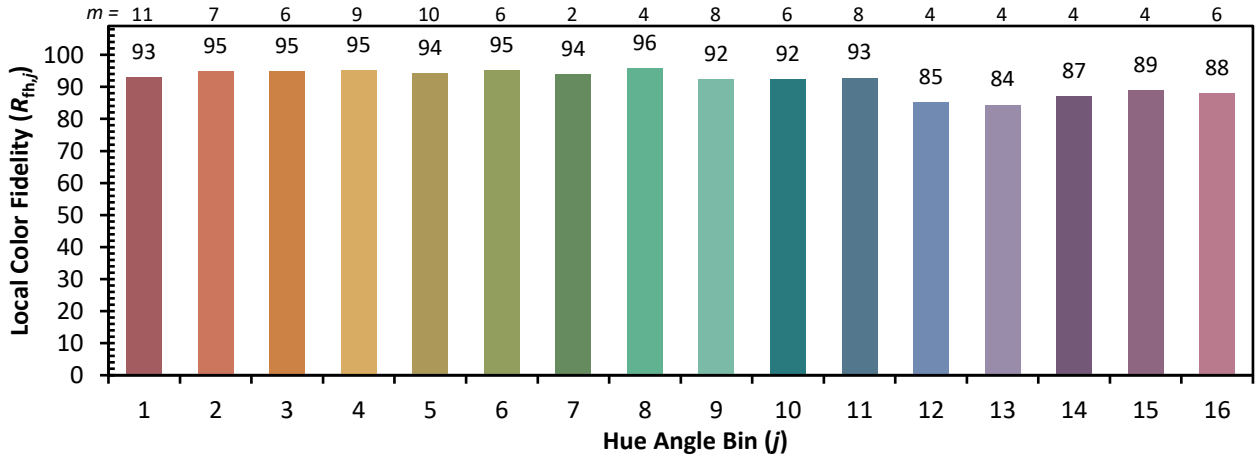
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Color Rendition by Hue-Angle Bin



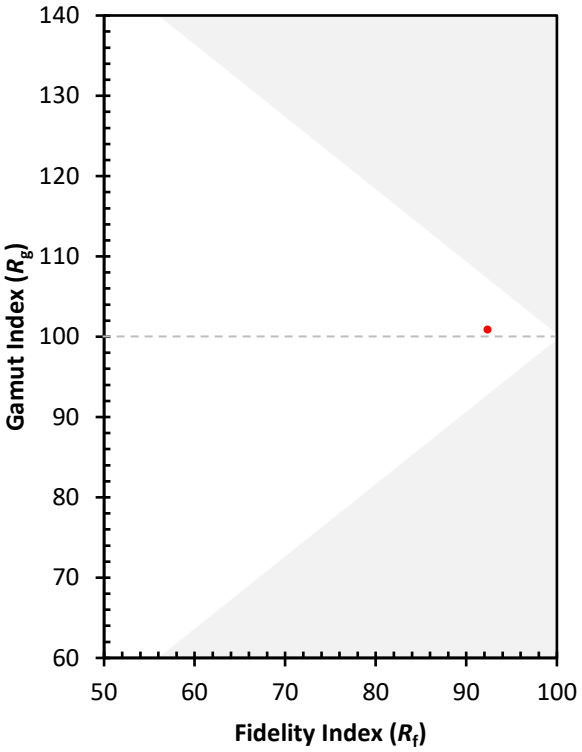


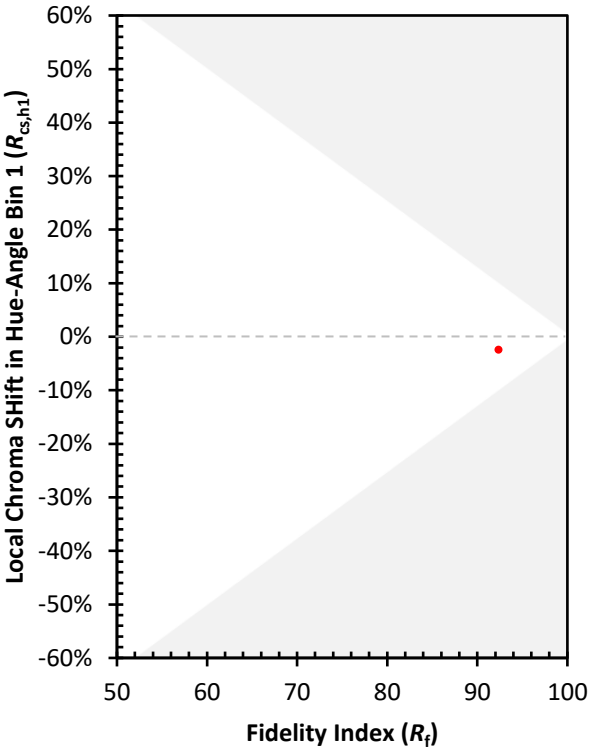


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Measure Comparisons





(END OF REPORT)