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: CORELITE

Report Number: P1216289

Luminaire Tested: 24-ID2-50-DBD-L830-U

Issue Date: 12/5/2025

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:	P1216289
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2508-510-11)
Test Lab:	INNOVATION CENTER
Issue Date:	12/5/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	24-ID2-50-DBD-L830-U
Description:	2X4 IN DEPTH TROFFER WITH 2INCH DOUBLE BARREL DROP
Light Source:	3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5183.2 lumens
Efficiency:	N/A
Efficacy:	120.0 lumens/watt
Spacing Criteria (0/90/45):	1.2 / 1.21 / 1.31
Luminous Opening:	Rectangular w/ Sides (W: 2' x L: 4' x H: 0.15')
CIE Type:	Direct

Input Watts (W):	43.2
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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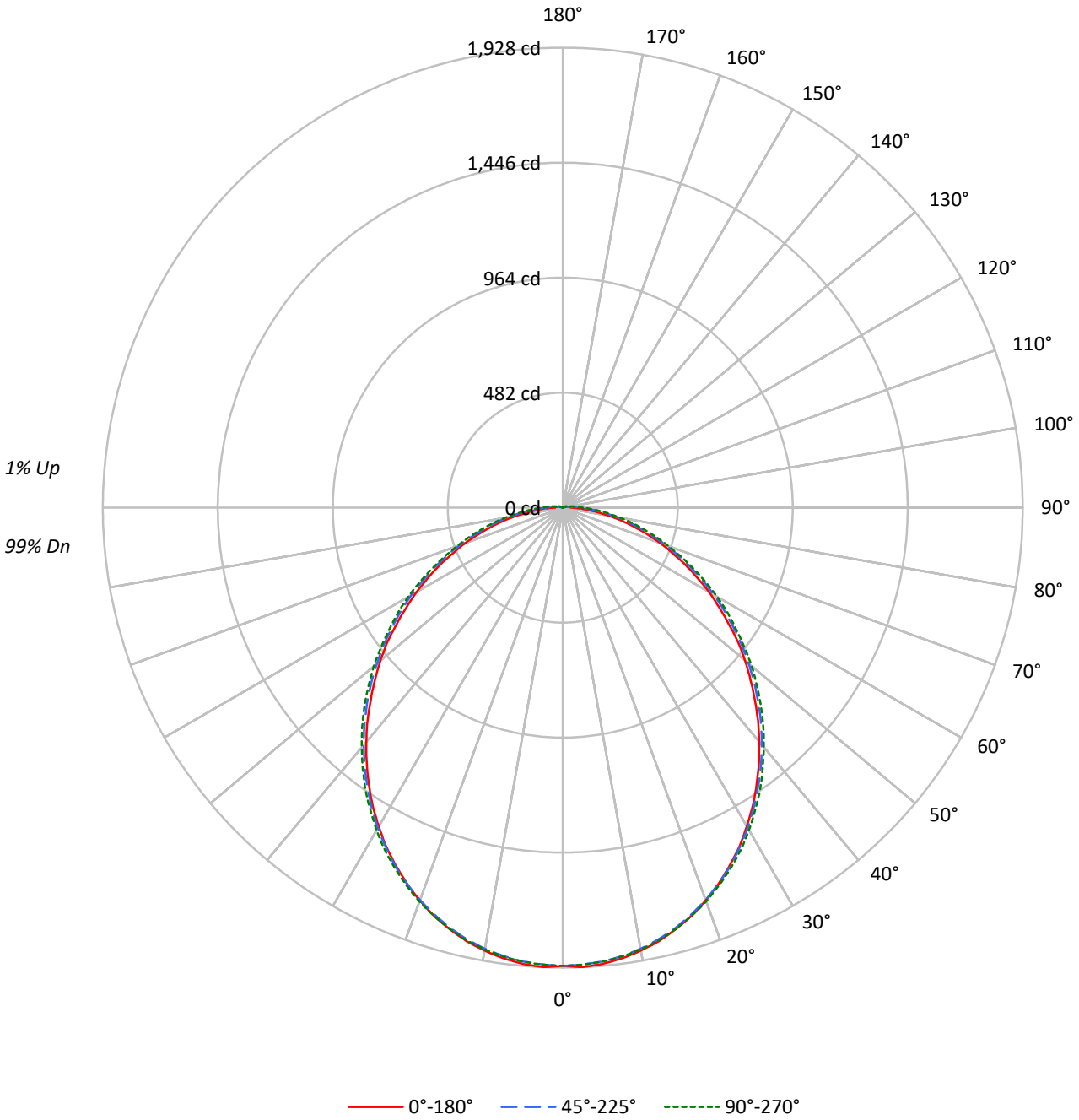
Luminous Intensity Polar Plot



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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	110	110	110	105	105	105	101	101	101	99
1	108	103	99	95	105	101	97	93	96	93	90	92	90	87	88	86	84	82
2	98	90	83	77	96	88	82	76	84	79	74	81	76	73	78	74	71	68
3	90	79	71	65	87	78	70	64	74	68	63	71	66	61	69	64	60	58
4	82	70	62	55	80	69	61	54	66	59	54	64	58	53	61	56	52	50
5	76	63	54	47	74	62	53	47	60	52	46	57	51	46	55	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	38
7	65	52	43	37	63	51	42	37	49	42	36	47	41	36	46	40	35	33
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	42	36	32	30
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	31	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2584	2584	2584
5°	2585	2562	2564
10°	2560	2530	2536
15°	2523	2488	2496
20°	2475	2435	2449
25°	2415	2376	2391
30°	2346	2303	2325
35°	2268	2221	2251
40°	2181	2136	2166
45°	2087	2044	2080
50°	1998	1943	1987
55°	1891	1837	1876
60°	1789	1731	1782
65°	1673	1611	1654
70°	1555	1481	1534
75°	1408	1352	1427
80°	1254	1223	1326
85°	1123	1110	1265

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2087 cd/sqm

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TEST NUMBER: P1216289
CATALOG NUMBER: 24-ID2-50-DBD-L830-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.4	3.5
10°-20°	514.6	9.9
20°-30°	763.9	14.7
30°-40°	893.1	17.2
40°-50°	893.6	17.2
50°-60°	779.6	15.0
60°-70°	583.8	11.3
70°-80°	355.7	6.9
80°-90°	150.0	2.9
90°-100°	44.3	0.9
100°-110°	13.7	0.3
110°-120°	5.2	0.1
120°-130°	2.6	0.1
130°-140°	1.2	0.0
140°-150°	0.6	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1459.9	28.2
0°-40°	2353.0	45.4
0°-60°	4026.2	77.7
0°-90°	5115.6	98.7
90°-120°	63.1	1.2
90°-150°	67.5	1.3
90°-180°	68.0	1.3
0°-180°	5183.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1921	1921	1921	1921	1921	
5°	1920	1914	1910	1907	1911	182
15°	1830	1825	1824	1825	1828	516
25°	1655	1655	1660	1662	1667	762
35°	1417	1418	1428	1438	1443	886
45°	1138	1144	1160	1172	1175	879
55°	849	855	872	884	886	761
65°	568	575	592	601	603	562
75°	309	320	337	350	351	328
85°	104	118	137	151	152	103
90°	34	52	68	79	82	23
95°	28	28	39	49	52	22
105°	18	15	8	8	11	20
115°	11	9	5	1	0	11
125°	6	6	3	0	0	6
135°	4	3	1	1	0	3
145°	1	1	1	1	1	1
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	

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TEST NUMBER: P1216289
CATALOG NUMBER: 24-ID2-50-DBD-L830-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*1920.6*	1920.6	1920.6	1920.6	1920.6
2.5°	*1927.7*	*1921.3*	*1917.1*	*1914.9*	*1917.8*
5°	*1919.9*	1913.5	1909.9	1907.1	1910.6
7.5°	*1905.7*	1899.3	1896.4	1895.0	1897.8
10°	*1885.8*	1879.4	1877.9	1875.8	1880.8
12.5°	*1861.6*	1855.2	1853.7	1853.0	1858.0
15°	*1829.6*	1825.3	1823.9	1824.6	1828.1
17.5°	*1794.7*	1789.7	1789.0	1790.4	1794.7
20°	*1752.0*	1749.2	1749.9	1753.4	1757.0
22.5°	*1706.5*	1703.7	1706.5	1707.9	1713.6
25°	*1655.3*	1654.6	1659.5	1662.4	1666.7
27.5°	*1602.6*	1602.6	1605.5	1610.5	1616.9
30°	*1542.9*	1543.6	1550.7	1555.0	1561.4
32.5°	*1482.4*	1483.8	1490.2	1497.4	1501.6
35°	*1417.0*	1418.4	1427.7	1437.6	1442.6
37.5°	*1350.1*	1353.7	1364.3	1373.6	1377.1
40°	*1281.1*	1285.4	1297.5	1308.9	1311.0
42.5°	*1211.4*	1215.7	1229.9	1242.0	1244.1
45°	*1138.1*	1144.5	1159.5	1171.6	1175.1
47.5°	*1067.7*	1074.1	1089.1	1101.9	1103.3
50°	*997.3*	1001.6	1016.5	1028.6	1034.3
52.5°	*926.9*	931.1	945.4	960.3	959.6
55°	*849.3*	855.0	872.1	884.2	885.6
57.5°	*776.8*	784.6	802.4	814.5	818.7
60°	*707.8*	714.2	732.0	741.9	748.3
62.5°	*635.9*	643.8	660.8	672.2	675.1
65°	*567.6*	574.8	592.5	601.1	603.2
67.5°	*497.2*	507.2	523.5	534.2	535.6
70°	*436.0*	443.2	458.8	469.5	470.2
72.5°	*369.9*	379.9	395.5	408.3	411.9
75°	*308.7*	320.1	337.2	350.0	351.4
77.5°	*250.4*	262.5	283.8	296.6	297.3
80°	*196.3*	209.8	229.1	244.0	244.0
82.5°	*145.8*	161.5	183.5	197.0	196.3
85°	*103.9*	118.1	137.3	150.8	152.2
87.5°	*64.7*	79.7	98.2	109.5	112.4
90°	*34.1*	51.9	67.6	79.0	81.8
92.5°	*31.3*	37.7	52.6	63.3	65.4
95°	*28.5*	27.7	39.1	49.1	51.9
97.5°	*25.6*	21.3	27.7	36.3	39.1
100°	*22.8*	19.2	19.9	25.6	27.7
102.5°	*20.6*	17.1	12.1	16.4	18.5
105°	*18.5*	14.9	8.5	8.5	10.7
107.5°	*16.4*	13.5	7.8	3.6	5.0
110°	*14.2*	12.1	6.4	1.4	0.7

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CATALOG NUMBER: 24-ID2-50-DBD-L830-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	*12.8*	10.7	5.7	0.7	0.0
115°	*11.4*	9.2	5.0	0.7	0.0
117.5°	*10.0*	8.5	4.3	0.0	0.0
120°	*8.5*	7.1	3.6	0.0	0.0
122.5°	*7.8*	6.4	2.8	0.0	0.0
125°	*6.4*	5.7	2.8	0.0	0.0
127.5°	*5.7*	5.0	2.1	0.0	0.0
130°	*5.0*	4.3	1.4	0.0	0.0
132.5°	*4.3*	3.6	1.4	0.0	0.0
135°	*3.6*	2.8	0.7	0.7	0.0
137.5°	*2.8*	2.1	0.7	0.7	0.0
140°	*2.1*	2.1	0.7	0.7	0.0
142.5°	*2.1*	1.4	0.7	0.7	0.0
145°	*1.4*	1.4	0.7	0.7	0.7
147.5°	*1.4*	0.7	0.7	0.7	0.7
150°	*0.7*	0.7	0.7	0.7	0.7
152.5°	*0.0*	0.0	0.0	0.0	0.0
155°	*0.0*	0.0	0.0	0.0	0.0
157.5°	*0.0*	0.0	0.0	0.0	0.0
160°	*0.0*	0.0	0.0	0.0	0.0
162.5°	*0.0*	0.0	0.0	0.0	0.0
165°	*0.0*	0.0	0.0	0.0	0.0
167.5°	*0.0*	0.0	0.0	0.0	0.0
170°	*0.0*	0.0	0.0	0.0	0.0
172.5°	*0.0*	0.0	0.0	0.0	0.0
175°	*0.0*	0.0	0.0	0.0	0.0
177.5°	*0.0*	0.0	0.0	0.0	0.0
180°	*0.0*	0.0	0.0	0.0	0.0

TEST NUMBER: P1216289
CATALOG NUMBER: 24-ID2-50-DBD-L830-U

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	13.73	15.33	14.12	15.67	16.02	14.13	15.73	14.52	16.07	16.42
	3H	15.39	16.83	15.79	17.19	17.58	15.90	17.34	16.30	17.70	18.09
	4H	16.00	17.37	16.42	17.74	18.15	16.62	17.98	17.04	18.36	18.76
	6H	16.46	17.72	16.89	18.11	18.54	17.23	18.50	17.67	18.89	19.31
	8H	16.61	17.82	17.05	18.23	18.66	17.49	18.69	17.93	19.11	19.54
	12H	16.72	17.88	17.17	18.28	18.74	17.71	18.87	18.16	19.28	19.74
4H	2H	14.37	15.73	14.78	16.10	16.51	14.68	16.04	15.10	16.42	16.83
	3H	16.24	17.39	16.67	17.81	18.24	16.67	17.82	17.10	18.24	18.68
	4H	16.98	18.02	17.43	18.46	18.93	17.53	18.58	17.99	19.01	19.48
	6H	17.56	18.48	18.04	18.94	19.43	18.30	19.22	18.78	19.68	20.17
	8H	17.76	18.62	18.24	19.09	19.58	18.62	19.48	19.10	19.95	20.44
	12H	17.92	18.69	18.42	19.19	19.69	18.92	19.69	19.42	20.19	20.69
8H	4H	17.33	18.18	17.81	18.65	19.14	17.82	18.67	18.30	19.14	19.63
	6H	18.04	18.76	18.56	19.27	19.78	18.73	19.45	19.24	19.96	20.46
	8H	18.33	18.97	18.86	19.50	20.02	19.15	19.80	19.68	20.32	20.84
	12H	18.57	19.14	19.10	19.66	20.25	19.57	20.14	20.10	20.66	21.25
12H	4H	17.38	18.15	17.88	18.65	19.15	17.85	18.62	18.35	19.12	19.61
	6H	18.13	18.78	18.66	19.31	19.82	18.79	19.43	19.31	19.96	20.48
	8H	18.49	19.06	19.01	19.57	20.16	19.28	19.85	19.80	20.36	20.95

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

Report Prepared for

Cooper Lighting Solutions

Corelite

Report Number: SP1-2506-458-3

Test Date: 07/24/2025

Luminaire Tested: 22ID2-55-CFR1-L830-U

Data in this report applies to families of products including 22ID2-55-CFR1-L830-U

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

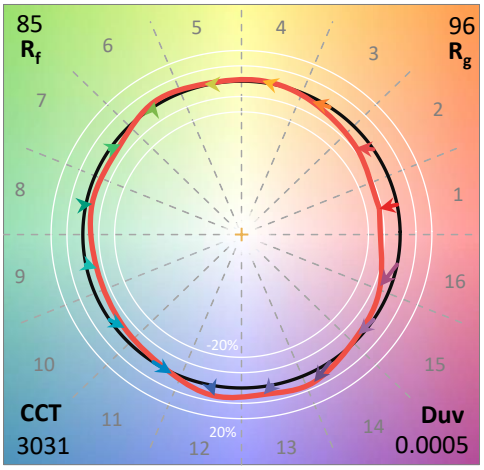
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2506-458-3
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/27/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Corelite
Catalog Number:	**22ID2-55-CFR1-L830-U**
Description:	2X2 CGTX WITH INDEPTH FRAME AND CFR1 LENS - 5500 LUMEN 3000K 80CRI

Spectral Parameters

CCT (K):	3031	CRI (Ra):	82.5		
CIE u':	0.2493	R1:	80.7	R9:	5.8
CIE v':	0.5215	R2:	90.5	R10:	78.6
Duv:	0.0005	R3:	96.7	R11:	80.2
CIE x:	0.4355	R4:	80.7	R12:	69.8
CIE y:	0.4049	R5:	80.9	R13:	83.0
CIE z:	0.1596	R6:	88.5	R14:	98.8
Peak Wavelength (nm):	603	R7:	83.0	R15:	73.0
Dominant Wavelength (nm):	582	R8:	58.8		
Purity:	52.24762				

Rf:	84.8
Rg:	95.8



Test Conditions

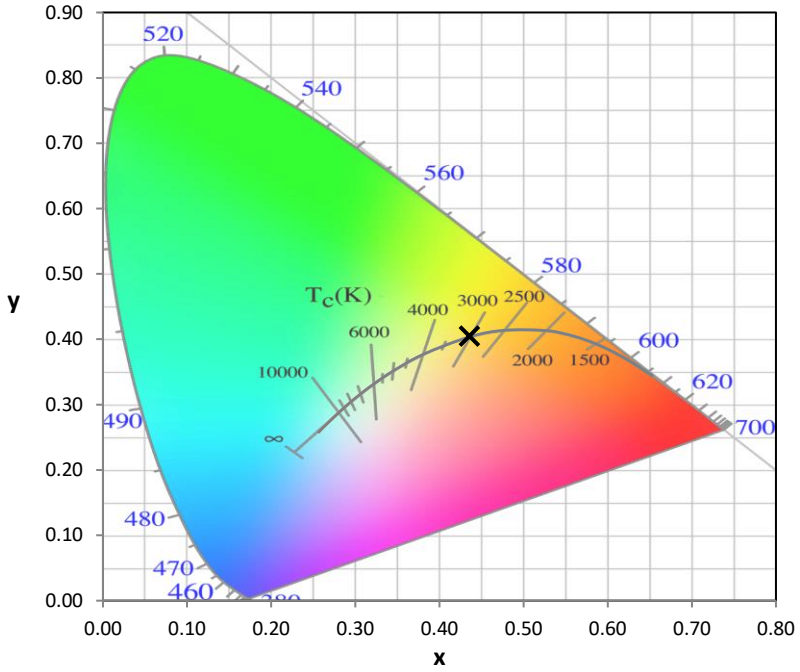
Stabilization Time:	38M
Operation Time:	1H 38M
Sphere Temperature (°C):	24.0

REPORT NUMBER: SP1-2506-458-3

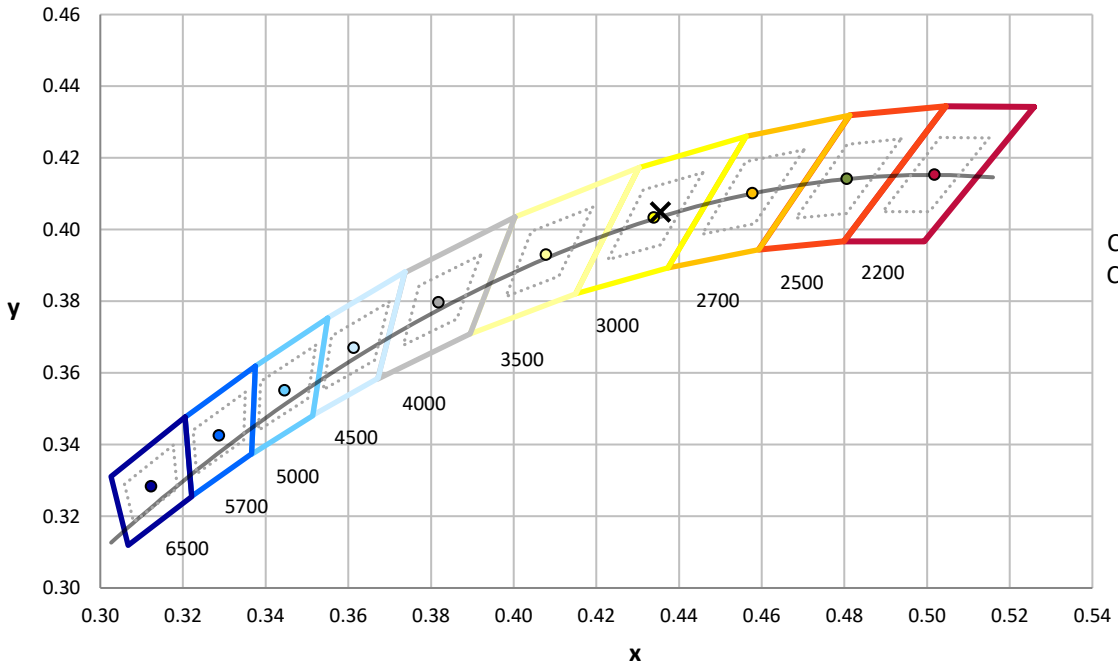
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208	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: SP1-2506-458-3

CIE 1931 Chromaticity Diagram



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

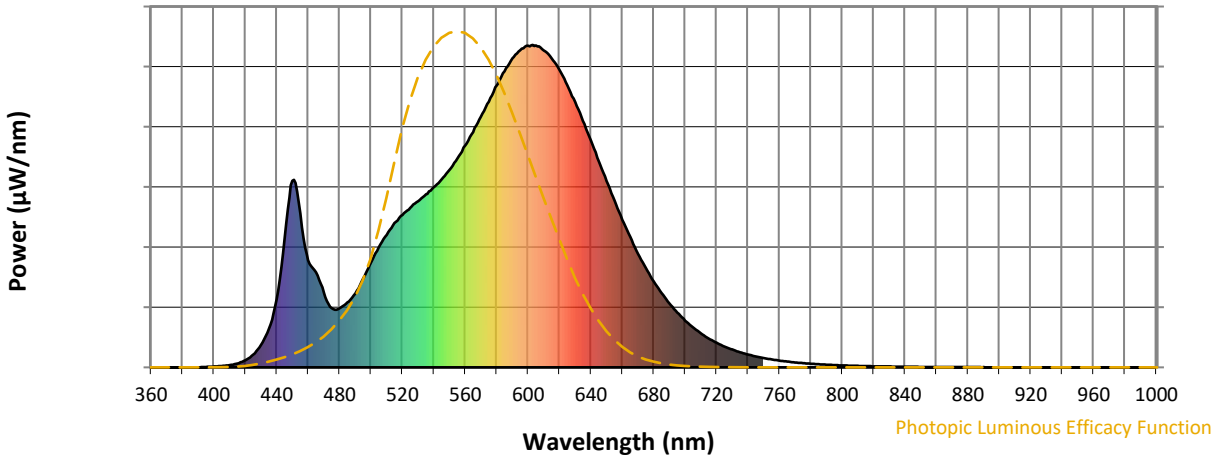


CCT = 3031K
CIE x = 0.4355
CIE y = 0.4049
Duv = 0.0005

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2506-458-3

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	229	NR	620	922	NR	750	29	NR	880	1	NR
365	0	NR	495	275	NR	625	875	NR	755	25	NR	885	1	NR
370	0	NR	500	326	NR	630	822	NR	760	21	NR	890	1	NR
375	0	NR	505	372	NR	635	764	NR	765	18	NR	895	0	NR
380	0	NR	510	411	NR	640	704	NR	770	15	NR	900	0	NR
385	0	NR	515	447	NR	645	638	NR	775	13	NR	905	0	NR
390	0	NR	520	473	NR	650	577	NR	780	11	NR	910	0	NR
395	1	NR	525	495	NR	655	517	NR	785	10	NR	915	0	NR
400	3	NR	530	515	NR	660	457	NR	790	8	NR	920	0	NR
405	4	NR	535	537	NR	665	404	NR	795	7	NR	925	0	NR
410	7	NR	540	559	NR	670	353	NR	800	6	NR	930	0	NR
415	12	NR	545	584	NR	675	307	NR	805	5	NR	935	0	NR
420	22	NR	550	612	NR	680	267	NR	810	5	NR	940	0	NR
425	40	NR	555	648	NR	685	230	NR	815	4	NR	945	0	NR
430	69	NR	560	688	NR	690	199	NR	820	3	NR	950	0	NR
435	120	NR	565	730	NR	695	170	NR	825	3	NR	955	0	NR
440	212	NR	570	777	NR	700	145	NR	830	3	NR	960	0	NR
445	400	NR	575	824	NR	705	124	NR	835	2	NR	965	0	NR
450	578	NR	580	873	NR	710	106	NR	840	2	NR	970	0	NR
455	478	NR	585	918	NR	715	90	NR	845	2	NR	975	0	NR
460	332	NR	590	958	NR	720	76	NR	850	1	NR	980	0	NR
465	295	NR	595	983	NR	725	65	NR	855	1	NR	985	0	NR
470	231	NR	600	997	NR	730	55	NR	860	1	NR	990	0	NR
475	183	NR	605	998	NR	735	47	NR	865	1	NR	995	0	NR
480	184	NR	610	982	NR	740	40	NR	870	1	NR	1000	0	NR
485	201	NR	615	958	NR	745	34	NR	875	1	NR			

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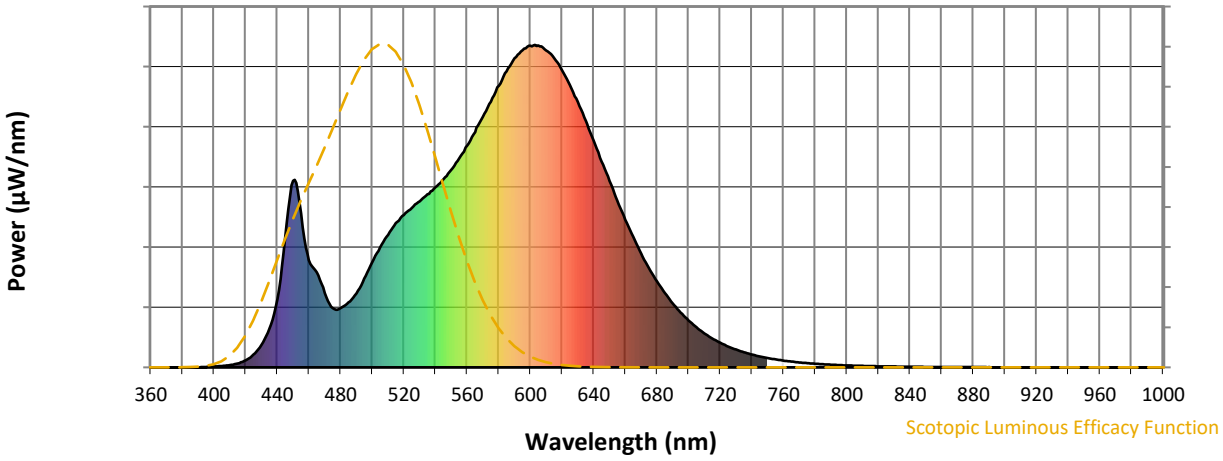
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.35**

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	229	NR	620	922	NR	750	29	NR	880	1	NR
365	0	NR	495	275	NR	625	875	NR	755	25	NR	885	1	NR
370	0	NR	500	326	NR	630	822	NR	760	21	NR	890	1	NR
375	0	NR	505	372	NR	635	764	NR	765	18	NR	895	0	NR
380	0	NR	510	411	NR	640	704	NR	770	15	NR	900	0	NR
385	0	NR	515	447	NR	645	638	NR	775	13	NR	905	0	NR
390	0	NR	520	473	NR	650	577	NR	780	11	NR	910	0	NR
395	1	NR	525	495	NR	655	517	NR	785	10	NR	915	0	NR
400	3	NR	530	515	NR	660	457	NR	790	8	NR	920	0	NR
405	4	NR	535	537	NR	665	404	NR	795	7	NR	925	0	NR
410	7	NR	540	559	NR	670	353	NR	800	6	NR	930	0	NR
415	12	NR	545	584	NR	675	307	NR	805	5	NR	935	0	NR
420	22	NR	550	612	NR	680	267	NR	810	5	NR	940	0	NR
425	40	NR	555	648	NR	685	230	NR	815	4	NR	945	0	NR
430	69	NR	560	688	NR	690	199	NR	820	3	NR	950	0	NR
435	120	NR	565	730	NR	695	170	NR	825	3	NR	955	0	NR
440	212	NR	570	777	NR	700	145	NR	830	3	NR	960	0	NR
445	400	NR	575	824	NR	705	124	NR	835	2	NR	965	0	NR
450	578	NR	580	873	NR	710	106	NR	840	2	NR	970	0	NR
455	478	NR	585	918	NR	715	90	NR	845	2	NR	975	0	NR
460	332	NR	590	958	NR	720	76	NR	850	1	NR	980	0	NR
465	295	NR	595	983	NR	725	65	NR	855	1	NR	985	0	NR
470	231	NR	600	997	NR	730	55	NR	860	1	NR	990	0	NR
475	183	NR	605	998	NR	735	47	NR	865	1	NR	995	0	NR
480	184	NR	610	982	NR	740	40	NR	870	1	NR	1000	0	NR
485	201	NR	615	958	NR	745	34	NR	875	1	NR			

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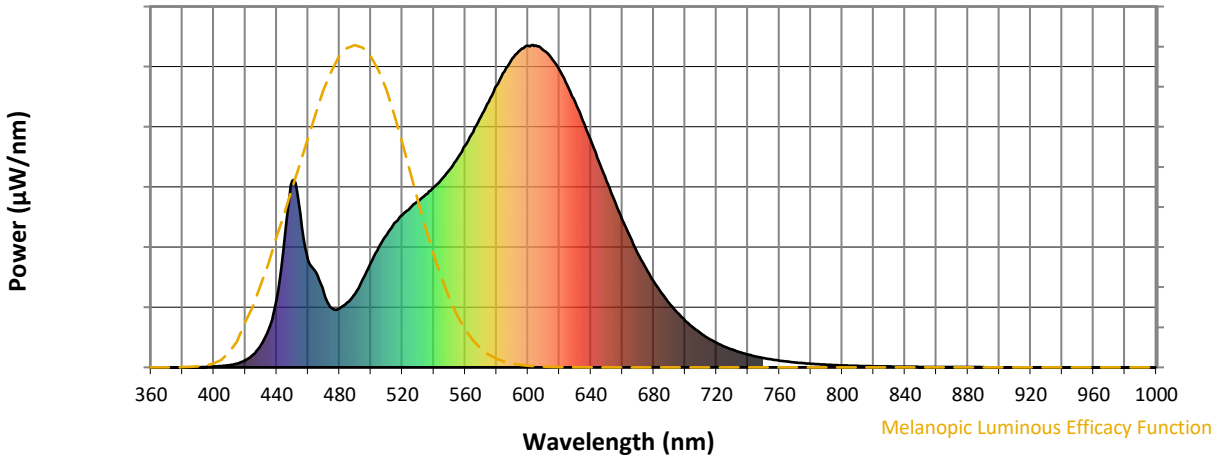
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.59**

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	229	NR	620	922	NR	750	29	NR	880	1	NR
365	0	NR	495	275	NR	625	875	NR	755	25	NR	885	1	NR
370	0	NR	500	326	NR	630	822	NR	760	21	NR	890	1	NR
375	0	NR	505	372	NR	635	764	NR	765	18	NR	895	0	NR
380	0	NR	510	411	NR	640	704	NR	770	15	NR	900	0	NR
385	0	NR	515	447	NR	645	638	NR	775	13	NR	905	0	NR
390	0	NR	520	473	NR	650	577	NR	780	11	NR	910	0	NR
395	1	NR	525	495	NR	655	517	NR	785	10	NR	915	0	NR
400	3	NR	530	515	NR	660	457	NR	790	8	NR	920	0	NR
405	4	NR	535	537	NR	665	404	NR	795	7	NR	925	0	NR
410	7	NR	540	559	NR	670	353	NR	800	6	NR	930	0	NR
415	12	NR	545	584	NR	675	307	NR	805	5	NR	935	0	NR
420	22	NR	550	612	NR	680	267	NR	810	5	NR	940	0	NR
425	40	NR	555	648	NR	685	230	NR	815	4	NR	945	0	NR
430	69	NR	560	688	NR	690	199	NR	820	3	NR	950	0	NR
435	120	NR	565	730	NR	695	170	NR	825	3	NR	955	0	NR
440	212	NR	570	777	NR	700	145	NR	830	3	NR	960	0	NR
445	400	NR	575	824	NR	705	124	NR	835	2	NR	965	0	NR
450	578	NR	580	873	NR	710	106	NR	840	2	NR	970	0	NR
455	478	NR	585	918	NR	715	90	NR	845	2	NR	975	0	NR
460	332	NR	590	958	NR	720	76	NR	850	1	NR	980	0	NR
465	295	NR	595	983	NR	725	65	NR	855	1	NR	985	0	NR
470	231	NR	600	997	NR	730	55	NR	860	1	NR	990	0	NR
475	183	NR	605	998	NR	735	47	NR	865	1	NR	995	0	NR
480	184	NR	610	982	NR	740	40	NR	870	1	NR	1000	0	NR
485	201	NR	615	958	NR	745	34	NR	875	1	NR			

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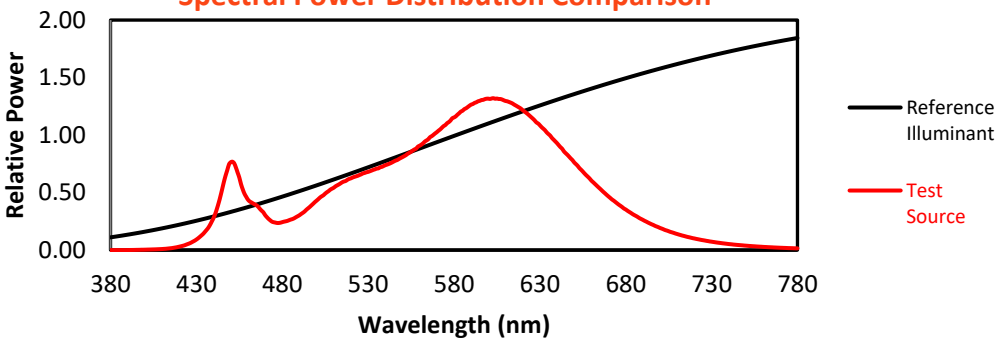
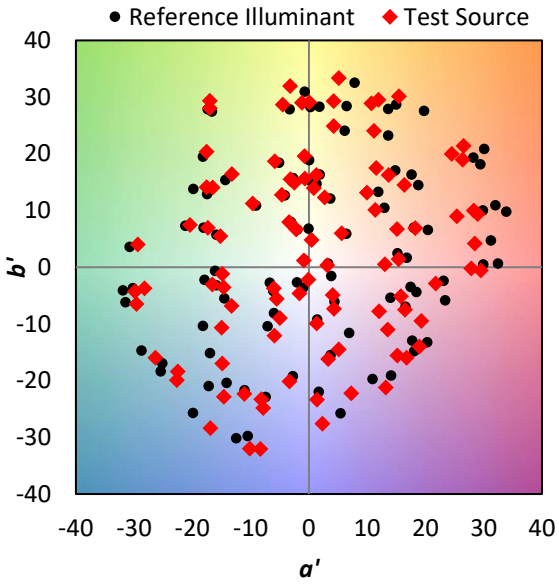
Summary

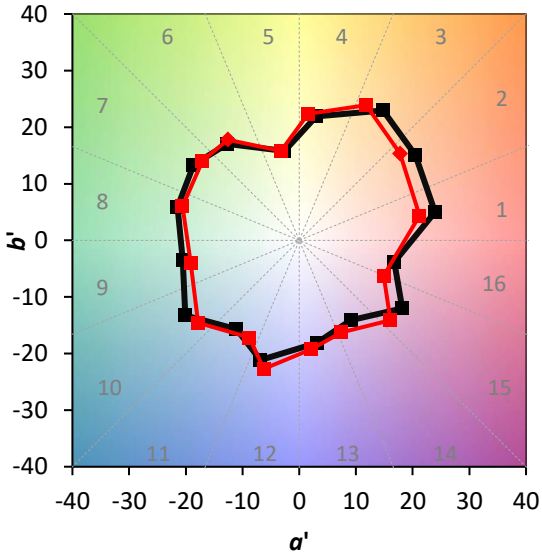
R_f = 84.8
R_g = 95.8
CIE R_a = 82.5
R_9 = 5.8

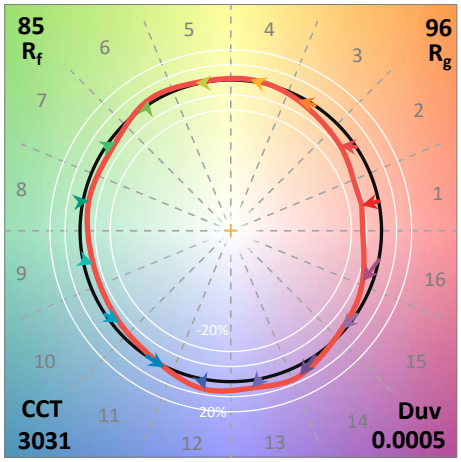
Spectral Power Distribution Comparison

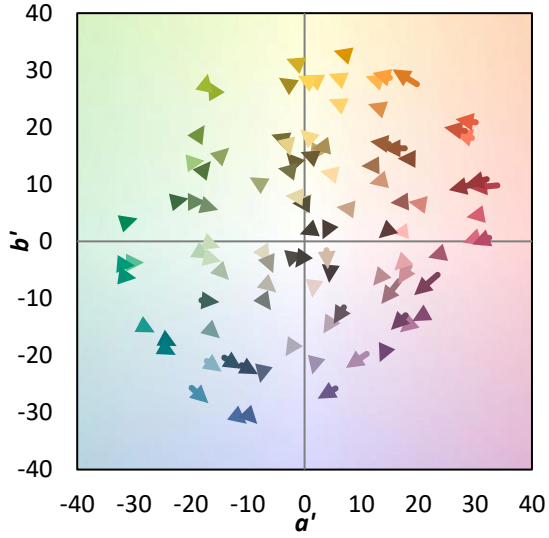


Color Vector Graphics









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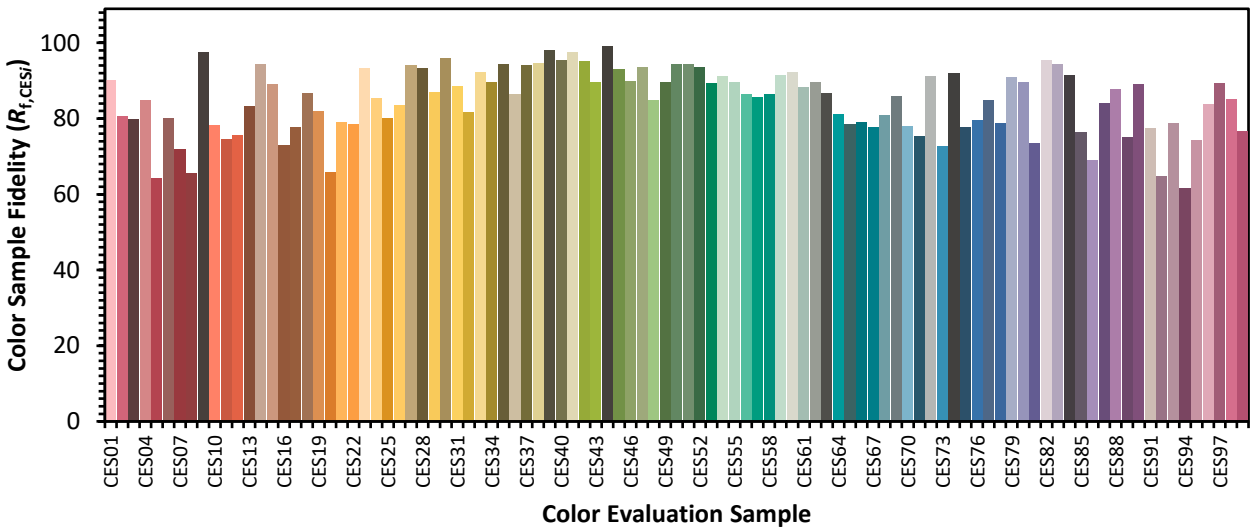
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 84	CES51 = 94	CES76 = 80
CES02 = 63	CES27 = 94	CES52 = 94	CES77 = 85
CES03 = 31	CES28 = 93	CES53 = 89	CES78 = 79
CES04 = 70	CES29 = 87	CES54 = 91	CES79 = 91
CES05 = 50	CES30 = 96	CES55 = 90	CES80 = 90
CES06 = 51	CES31 = 89	CES56 = 87	CES81 = 74
CES07 = 42	CES32 = 82	CES57 = 86	CES82 = 95
CES08 = 41	CES33 = 92	CES58 = 87	CES83 = 94
CES09 = 29	CES34 = 90	CES59 = 91	CES84 = 92
CES10 = 76	CES35 = 94	CES60 = 92	CES85 = 77
CES11 = 59	CES36 = 86	CES61 = 88	CES86 = 69
CES12 = 65	CES37 = 94	CES62 = 90	CES87 = 84
CES13 = 43	CES38 = 95	CES63 = 87	CES88 = 88
CES14 = 74	CES39 = 98	CES64 = 81	CES89 = 75
CES15 = 72	CES40 = 95	CES65 = 79	CES90 = 89
CES16 = 47	CES41 = 97	CES66 = 79	CES91 = 77
CES17 = 50	CES42 = 95	CES67 = 78	CES92 = 65
CES18 = 56	CES43 = 90	CES68 = 81	CES93 = 79
CES19 = 72	CES44 = 99	CES69 = 86	CES94 = 62
CES20 = 67	CES45 = 93	CES70 = 78	CES95 = 74
CES21 = 87	CES46 = 90	CES71 = 75	CES96 = 84
CES22 = 79	CES47 = 94	CES72 = 91	CES97 = 89
CES23 = 92	CES48 = 85	CES73 = 73	CES98 = 85
CES24 = 91	CES49 = 90	CES74 = 92	CES99 = 77
CES25 = 72	CES50 = 94	CES75 = 78	



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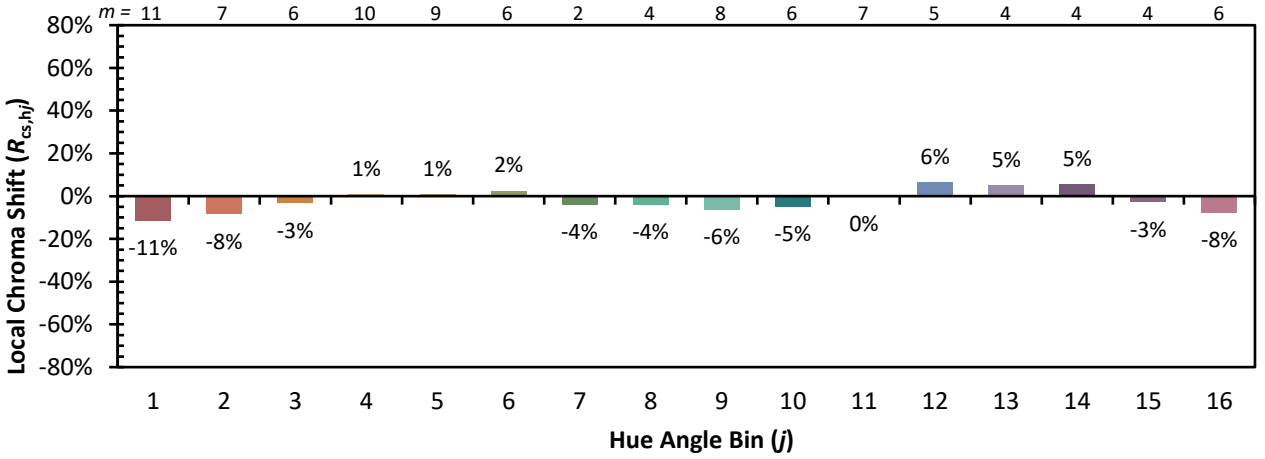
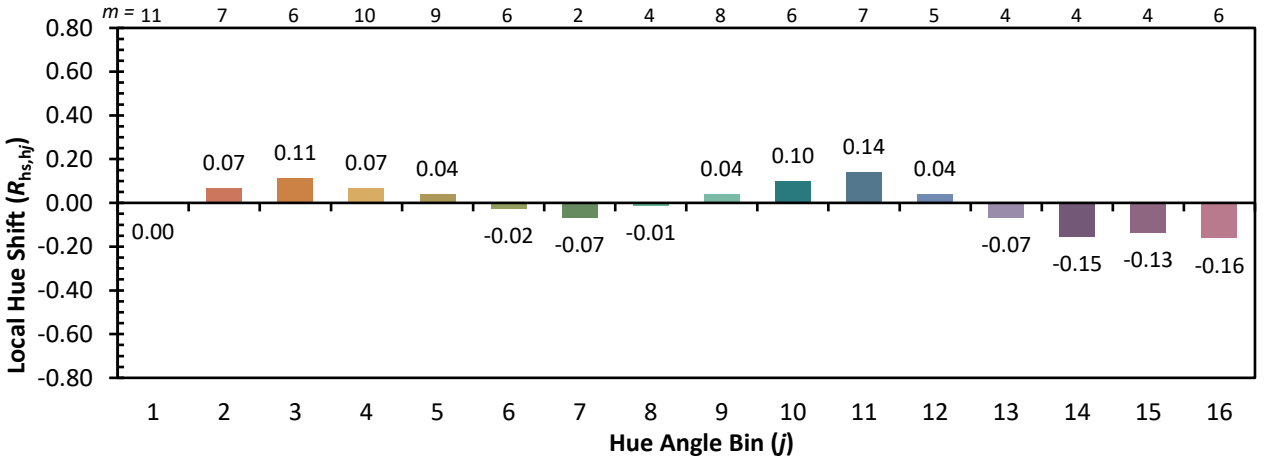
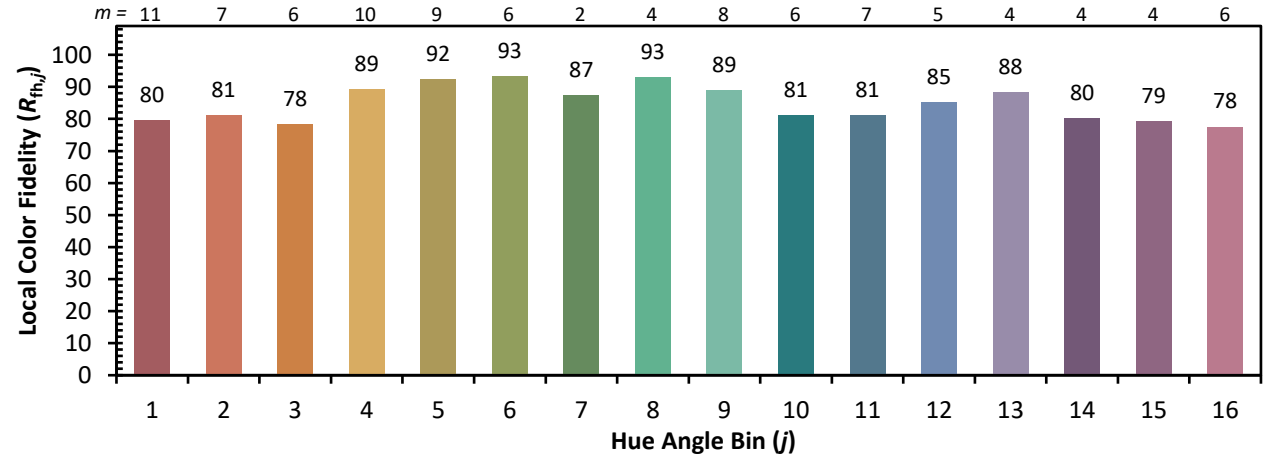
Color Rendition by Hue-Angle Bin







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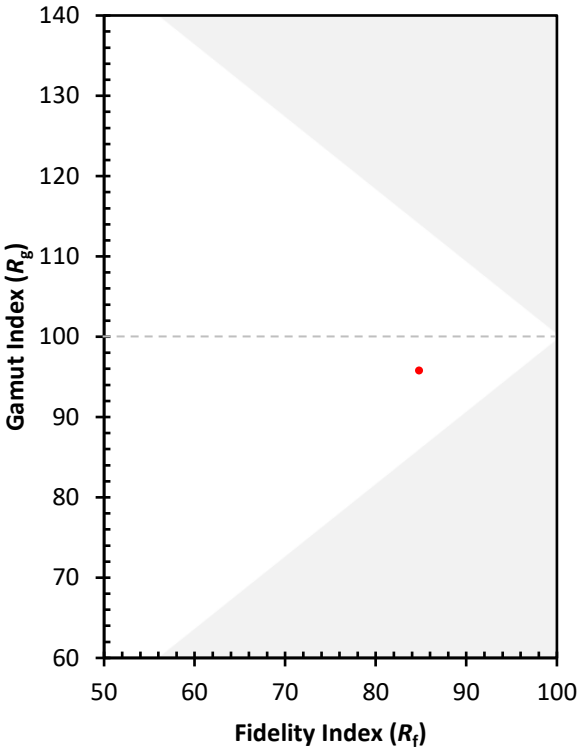
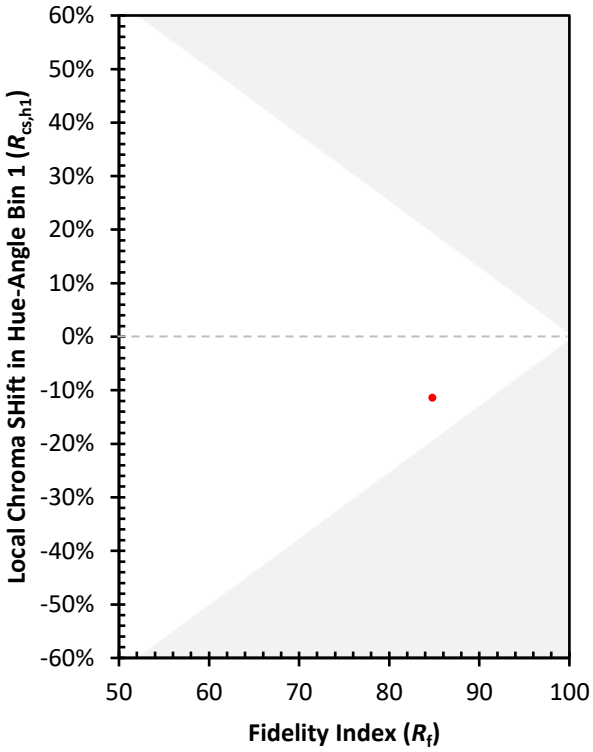
Measure Comparisons





(END OF REPORT)