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: McGRAW-EDISON

Report Number: P630579

Luminaire Tested: GWS-SA1D-830-U-T3-W

Issue Date: 1/10/2023

Report Generated By 670246102 / DESKTOP-G35701P

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:	P630579
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA1D-830-U-T3-W
Description:	GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source:	(16) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4820.3 lumens
Efficiency:	N/A
Efficacy:	108.8 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	44.3
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	0
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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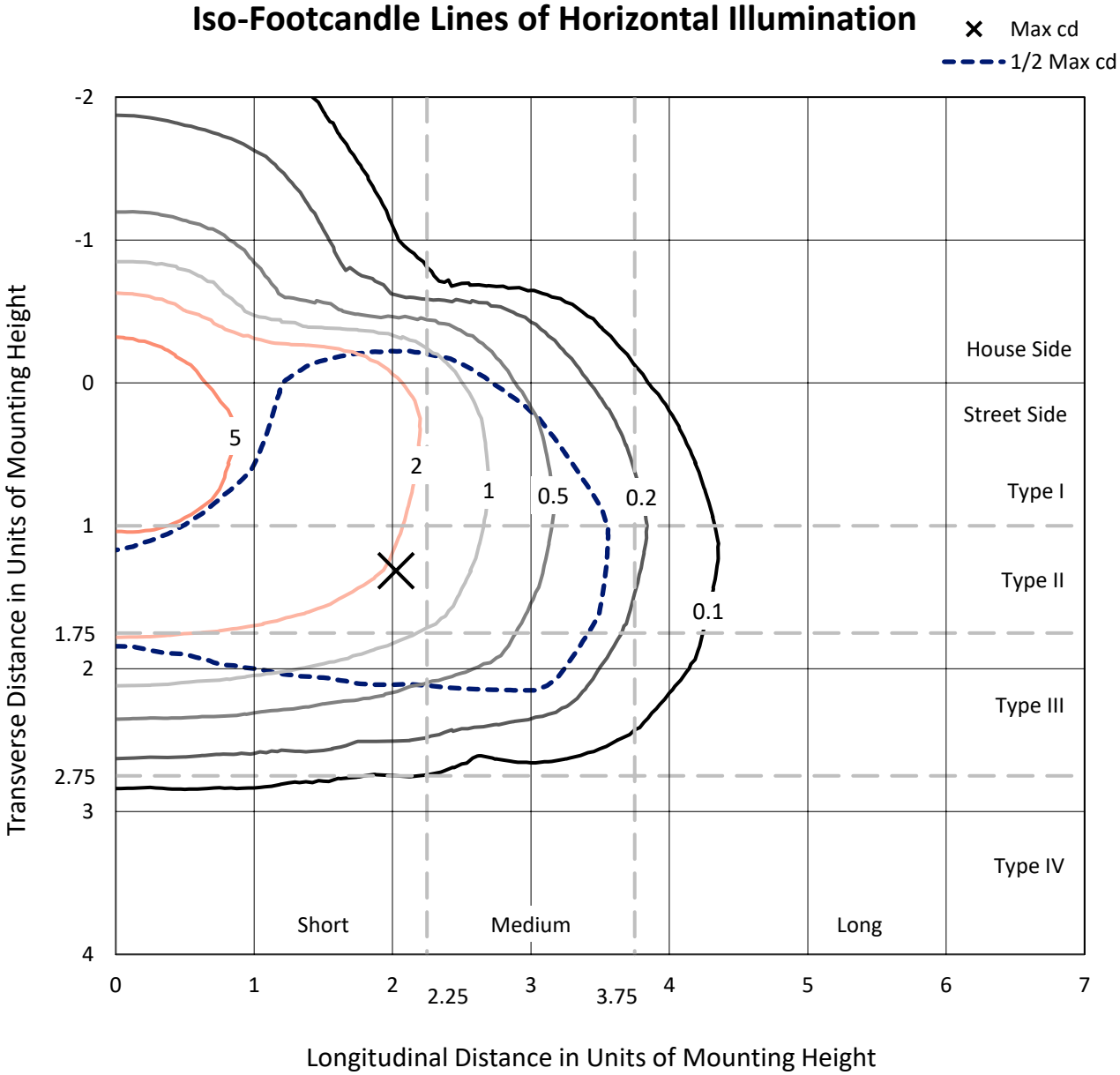
Scaled Data Report

REPORT NUMBER: P630579
CATALOG NUMBER: GWS-SA1D-830-U-T3-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
Type III - Short - N/A

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REPORT NUMBER: P630579
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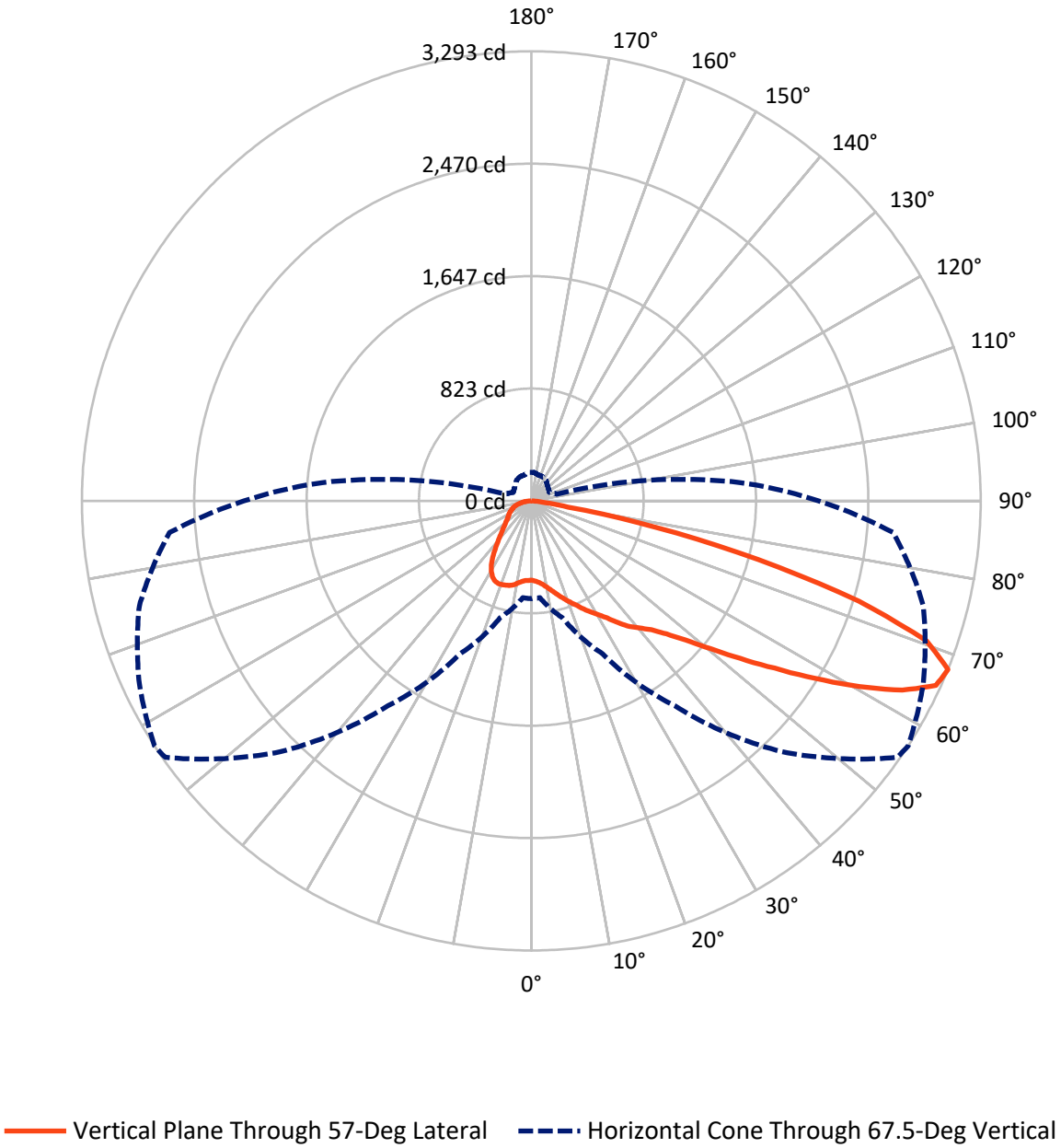
Luminous Intensity Polar Plot



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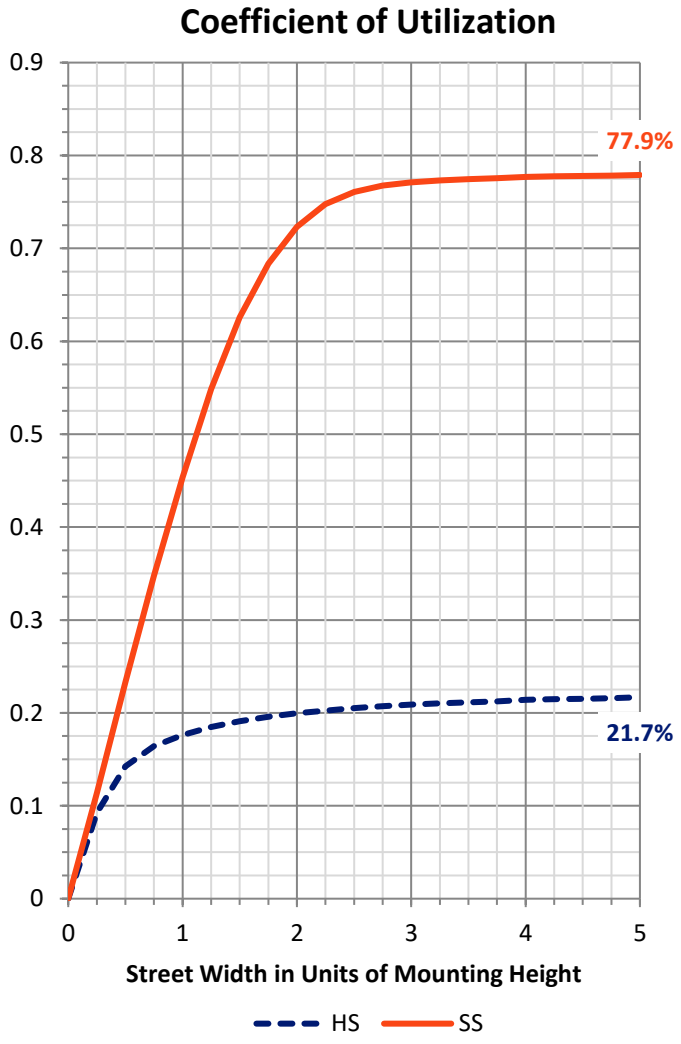
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1059.8	0.0	1059.8
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	3760.5	0.0	3760.5
	% Fixture	78.0	0.0	78.0
Total	Lumens	4820.3	0.0	4820.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.6	1.2
10°-20°	190.7	4.0
20°-30°	340.0	7.1
30°-40°	494.3	10.3
40°-50°	715.4	14.8
50°-60°	1119.6	23.2
60°-70°	1306.1	27.1
70°-80°	545.2	11.3
80°-90°	51.4	1.1
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°-90°	4820.3	100.0
0°-180°	4820.3	100.0



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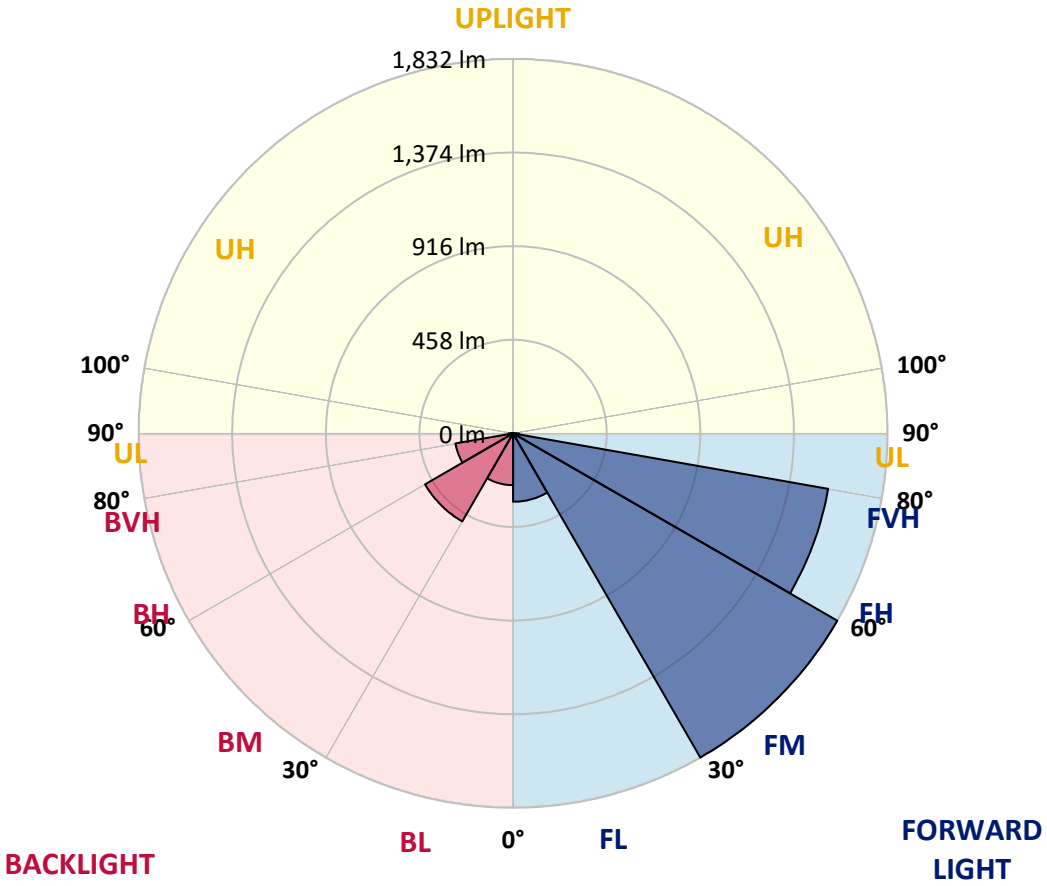
REPORT NUMBER: P630579
CATALOG NUMBER: GWS-SA1D-830-U-T3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	334.8	6.9			
FM	(30°-60°)	1831.8	38.0			
FH	(60°-80°)	1565.2	32.5			G1/1800
FVH	(80°-90°)	28.7	0.6			G1/100
BL	(0°-30°)	253.5	5.3	B1/500		
BM	(30°-60°)	497.5	10.3	B1/1000		
BH	(60°-80°)	286.1	5.9	B1/500		G1/500
BVH	(80°-90°)	22.8	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type III Short



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Scaled Data Report

REPORT NUMBER: P630579
CATALOG NUMBER: GWS-SA1D-830-U-T3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	580.8	580.8	580.8	580.8	580.8	580.8	580.8	*580.8*	580.8	580.8	580.8
2.5°	589.1	588.4	588.1	590.1	589.4	589.1	589.1	*588.8*	588.1	585.3	581.5
5°	605.3	603.9	602.6	604.3	602.9	601.5	601.2	*600.5*	598.1	593.9	588.1
7.5°	622.3	620.9	621.2	622.3	621.2	620.5	619.5	*618.8*	615.0	608.4	600.5
10°	646.1	646.1	646.8	647.8	648.1	647.1	645.0	*644.0*	639.5	631.2	620.2
12.5°	680.6	679.9	679.9	679.2	680.3	679.2	677.2	*675.4*	669.9	659.2	643.3
15°	726.2	723.4	721.0	716.5	715.1	711.3	712.0	*711.0*	705.8	691.3	671.3
17.5°	774.9	774.5	770.7	761.8	752.8	746.6	747.9	*747.6*	744.8	725.2	699.6
20°	817.7	819.4	816.0	809.1	797.0	785.2	784.5	*786.3*	782.8	763.1	727.6
22.5°	865.7	864.3	860.9	851.9	842.9	830.5	826.3	*824.9*	823.6	801.1	756.2
25°	911.3	915.4	910.9	902.6	888.8	875.4	871.9	*873.3*	869.5	839.8	787.0
27.5°	968.9	970.7	967.9	956.5	944.8	925.8	919.2	*919.2*	917.8	876.1	811.1
30°	1030.4	1035.2	1030.4	1021.1	1009.0	981.7	967.6	*966.2*	962.0	913.3	839.5
32.5°	1092.2	1095.7	1092.2	1083.2	1069.4	1045.6	1025.2	*1022.1*	1016.6	954.1	868.5
35°	1147.1	1150.2	1149.5	1151.6	1140.2	1110.2	1097.7	*1096.4*	1081.9	1007.3	907.8
37.5°	1207.2	1211.0	1205.8	1210.0	1205.5	1177.2	1173.4	*1166.5*	1145.7	1057.3	949.3
40°	1275.6	1279.0	1270.7	1272.5	1267.3	1251.4	1232.1	*1222.7*	1192.0	1111.6	1014.5
42.5°	1348.8	1356.7	1360.5	1357.4	1345.3	1336.4	1302.5	*1290.8*	1265.2	1209.3	1121.9
45°	1454.8	1466.5	1472.1	1464.1	1458.9	1446.2	1404.7	*1390.6*	1377.1	1347.1	1271.8
47.5°	1569.1	1579.8	1597.4	1600.9	1605.0	1595.3	1537.0	*1523.2*	1525.6	1522.1	1456.2
50°	1660.3	1669.2	1708.9	1751.4	1786.6	1789.4	1714.8	*1700.0*	1713.1	1724.1	1678.2
52.5°	1726.6	1734.5	1787.0	1874.7	1954.5	2013.5	1933.1	*1916.1*	1926.8	1951.7	1930.6
55°	1780.4	1791.5	1846.4	1981.0	2142.3	2235.5	2184.1	*2162.7*	2158.2	2188.9	2201.0
57.5°	1808.7	1812.2	1889.2	2064.3	2280.1	2453.4	2475.9	*2451.7*	2408.9	2425.8	2488.7
60°	1744.2	1750.0	1855.4	2085.7	2388.9	2669.6	2782.2	*2762.1*	2671.0	2680.3	2749.7
62.5°	1565.6	1573.9	1700.7	1983.8	2397.8	2813.9	3065.0	*3052.2*	2930.0	2879.5	2900.3
65°	1255.9	1258.7	1389.9	1731.7	2219.3	2831.9	3262.2	*3259.0*	3110.9	2992.8	2904.1
67.5°	*716.2*	*711.3*	*886.8*	*1235.2*	*1831.5*	*2598.5*	*3274.9*	*3293.2*	*3169.6*	*2974.2*	*2662.3*
70°	310.4	311.1	391.9	609.5	1185.5	2100.2	3041.8	*3073.3*	2999.7	2663.7	2118.1
72.5°	143.6	145.7	180.6	263.8	506.2	1302.9	2480.4	*2508.7*	2445.5	2132.0	1541.1
75°	101.5	103.2	120.5	151.2	232.7	507.6	1659.2	*1718.6*	1749.3	1594.6	1015.6
77.5°	77.0	79.4	88.1	105.0	143.6	179.9	793.9	*935.4*	1114.3	992.1	523.1
80°	49.0	49.0	58.4	70.1	87.7	93.6	229.3	*271.8*	545.2	408.8	205.5
82.5°	33.1	34.2	39.7	44.5	50.4	53.2	98.4	*105.0*	157.5	139.2	84.6
85°	17.6	18.3	20.7	20.4	24.2	21.1	41.4	*41.1*	57.7	63.2	32.1
87.5°	0.0	0.0	0.3	0.3	0.7	1.0	4.5	*4.8*	12.1	19.3	10.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0

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Scaled Data Report

REPORT NUMBER: P630579
CATALOG NUMBER: GWS-SA1D-830-U-T3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	580.8	580.8	580.8	580.8	580.8	580.8	580.8	580.8	580.8	580.8	580.8
2.5°	583.6	579.4	581.5	580.8	582.9	582.9	579.1	578.1	578.4	574.3	572.9
5°	588.8	583.9	585.0	583.6	585.6	587.4	585.6	585.6	587.7	584.6	582.9
7.5°	600.5	595.0	595.0	593.2	595.7	597.0	595.7	597.7	601.5	598.4	596.7
10°	619.1	612.6	612.9	610.9	611.9	611.2	605.7	603.9	605.0	602.2	600.8
12.5°	643.3	634.3	634.3	630.2	627.8	620.5	609.1	605.0	605.7	603.3	602.2
15°	666.5	658.2	656.4	648.1	637.1	623.6	613.3	610.5	611.2	608.8	607.1
17.5°	693.7	683.0	676.8	661.6	641.2	627.4	617.1	610.5	605.0	599.5	598.1
20°	718.9	705.5	694.1	670.6	645.7	626.7	607.4	591.2	577.7	570.5	568.7
22.5°	744.8	727.6	707.5	676.8	645.4	614.3	578.7	554.2	534.2	523.5	525.6
25°	769.4	747.6	720.3	682.7	634.3	586.7	538.3	501.7	478.9	470.7	468.2
27.5°	789.7	762.8	732.1	679.9	611.5	547.0	483.1	442.3	420.2	410.9	408.5
30°	812.5	782.1	749.0	667.1	575.6	491.4	420.6	387.4	371.6	362.6	362.9
32.5°	838.8	807.0	772.8	642.6	529.7	431.3	369.1	346.3	333.6	324.6	323.2
35°	874.0	842.6	788.7	605.7	471.3	376.0	333.9	315.3	299.4	287.6	285.2
37.5°	917.5	896.1	790.4	556.3	408.8	338.1	308.7	288.7	269.3	253.8	252.1
40°	992.1	967.6	776.3	494.5	355.7	313.5	287.6	264.5	242.1	224.8	222.4
42.5°	1098.4	1048.0	745.9	424.7	315.6	294.2	267.6	238.3	215.5	203.4	201.7
45°	1233.8	1137.8	700.3	359.1	285.9	275.2	246.6	215.8	203.7	195.1	193.4
47.5°	1399.5	1242.4	647.8	308.0	262.8	257.9	225.1	208.2	197.5	190.3	188.5
50°	1597.8	1375.7	604.6	268.0	242.1	237.9	218.2	203.7	195.1	189.2	187.8
52.5°	1823.9	1523.9	583.6	239.3	224.1	220.0	215.8	202.7	195.4	191.0	189.2
55°	2058.7	1679.9	563.9	217.2	208.9	211.3	216.2	206.2	200.6	194.8	193.0
57.5°	2285.6	1826.4	515.5	199.9	197.9	207.2	217.9	209.6	203.0	197.2	195.1
60°	2442.0	1906.5	433.7	186.1	189.6	202.0	213.4	204.4	196.1	193.7	192.7
62.5°	2484.2	1896.8	336.7	172.0	179.6	190.6	201.7	195.8	187.2	191.0	191.3
65°	2385.8	1793.2	252.8	158.2	166.4	175.8	189.6	187.2	184.1	194.4	194.8
67.5°	*2107.1*	*1538.7*	*192.7*	*146.1*	*153.0*	*164.4*	*185.8*	*195.8*	*196.5*	*209.6*	*208.2*
70°	1594.3	1149.5	150.9	134.7	142.6	164.4	197.9	202.4	194.1	206.2	203.4
72.5°	1102.2	758.6	128.5	124.7	129.8	156.8	197.5	197.5	188.5	188.5	183.4
75°	684.8	446.1	111.9	111.9	111.9	137.1	192.0	182.0	166.1	158.8	154.7
77.5°	338.1	216.9	93.9	97.4	93.6	114.6	156.8	148.8	139.2	131.6	128.8
80°	144.3	108.4	76.0	79.8	75.3	86.3	124.3	122.6	113.3	103.2	100.1
82.5°	66.3	55.9	60.8	62.5	54.9	64.9	90.8	90.8	85.6	71.8	66.6
85°	28.3	29.7	42.1	42.1	34.5	36.6	48.7	46.3	41.4	33.8	31.1
87.5°	9.7	14.5	21.4	18.6	7.3	3.1	1.7	0.7	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2408-195-9

Test Date: 08/07/2024

Luminaire Tested: GALN-SB1A-830-U-5WQ

Data in this report applies to families of products including GALN-SB1A-830-U-5WQ.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

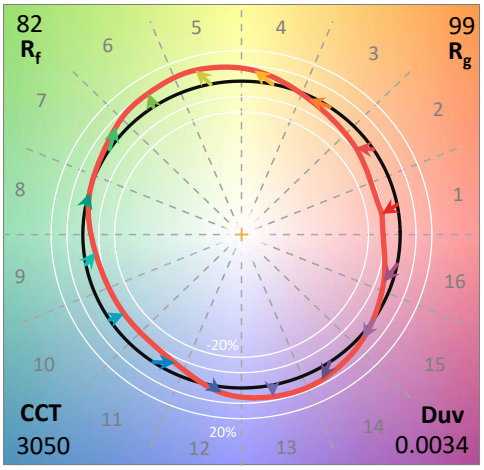
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2408-195-9
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/07/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	MCGRAW EDISON
Catalog Number:	**GALN-SB1A-830-U-5WQ**
Description:	GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

Spectral Parameters

CCT (K):	3050	CRI (Ra):	81.0		
CIE u':	0.2476	R1:	79.6	R9:	7.1
CIE v':	0.5251	R2:	85.6	R10:	67.0
Duv:	0.0034	R3:	92.0	R11:	82.7
CIE x:	0.4383	R4:	82.6	R12:	63.2
CIE y:	0.4131	R5:	78.9	R13:	80.3
CIE z:	0.1487	R6:	81.7	R14:	95.0
Peak Wavelength (nm):	603	R7:	85.2	R15:	71.7
Dominant Wavelength (nm):	581	R8:	62.0		
Purity:	55.55201				

Rf:	81.5
Rg:	99.2



Test Conditions

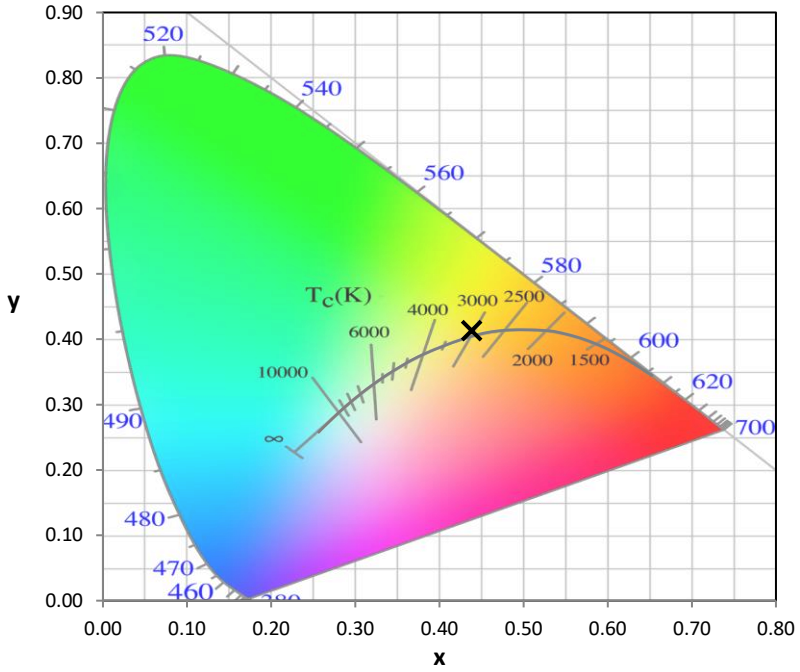
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

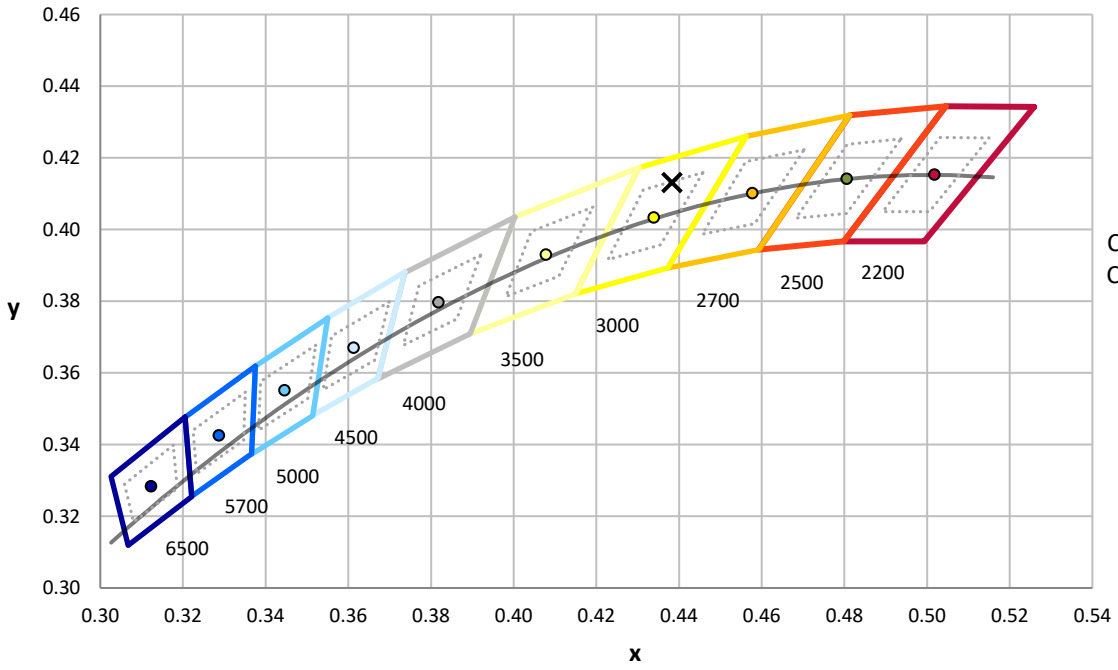
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



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

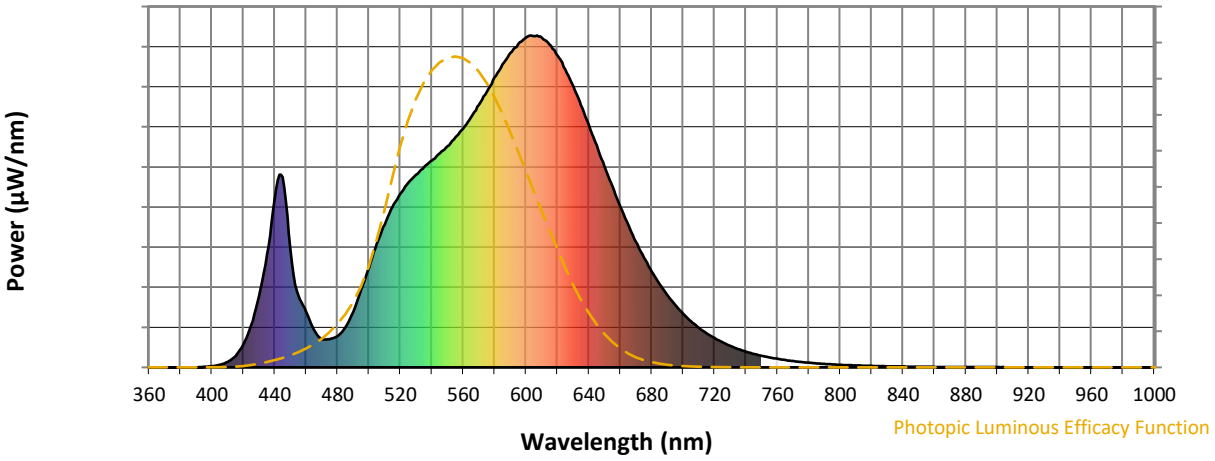


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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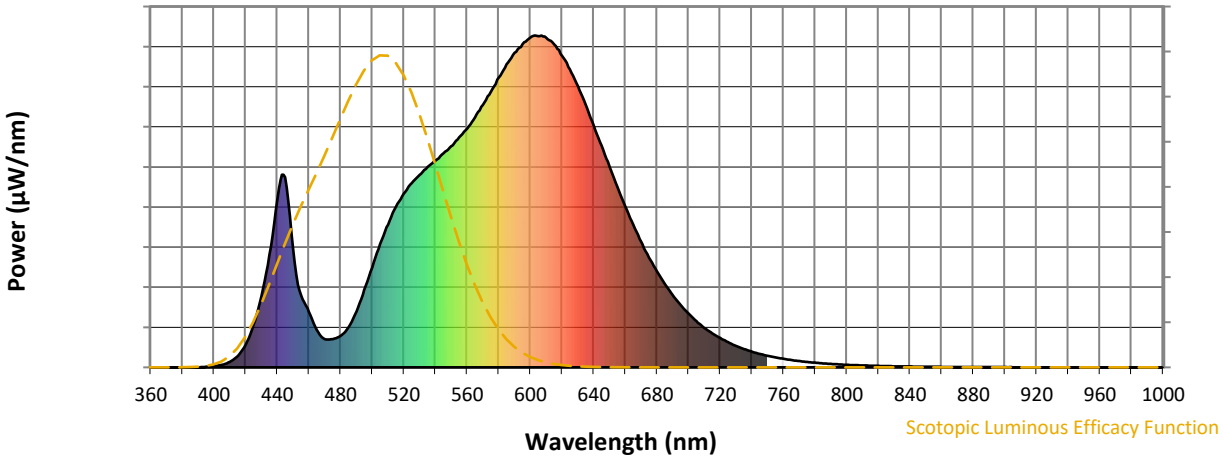
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.27**

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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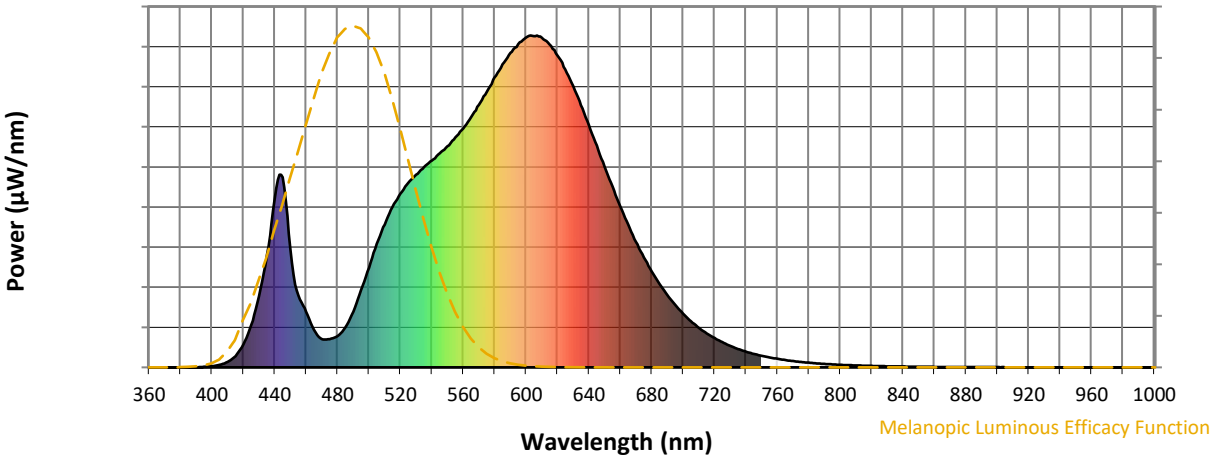
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.32**

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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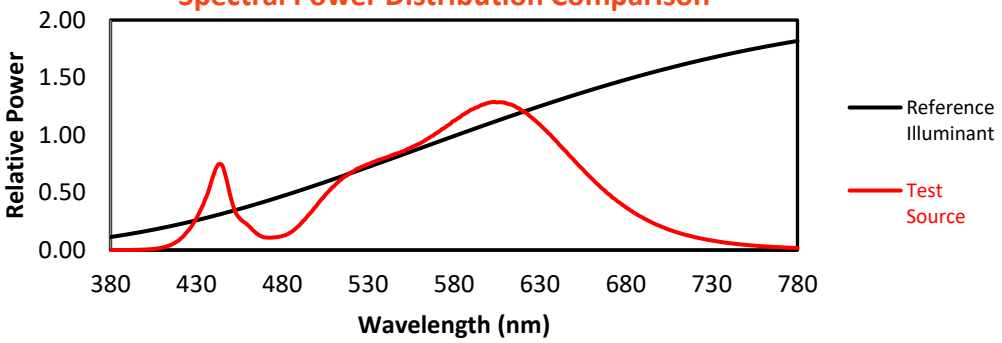
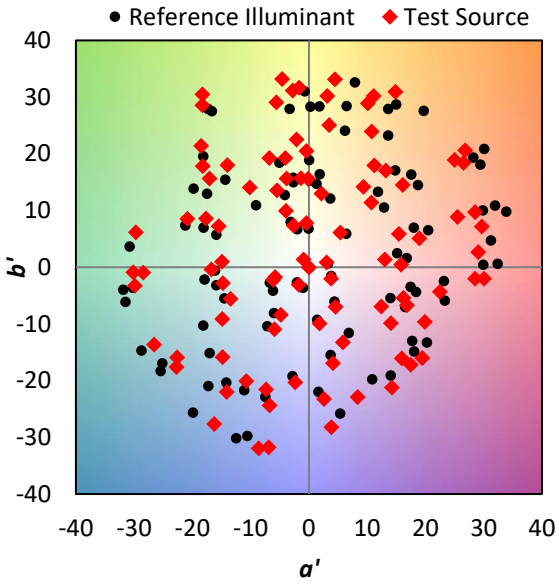
Summary

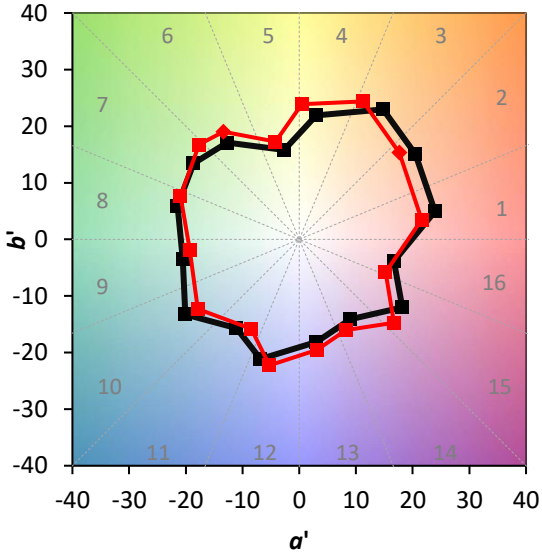
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

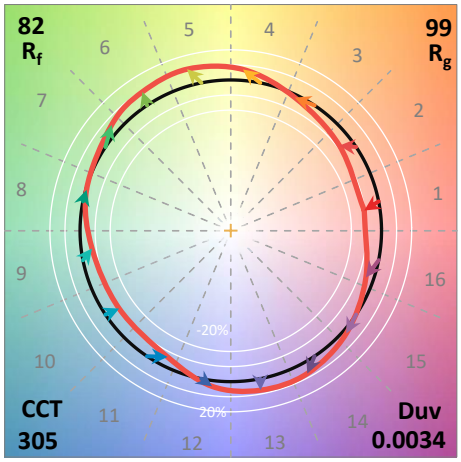
Spectral Power Distribution Comparison

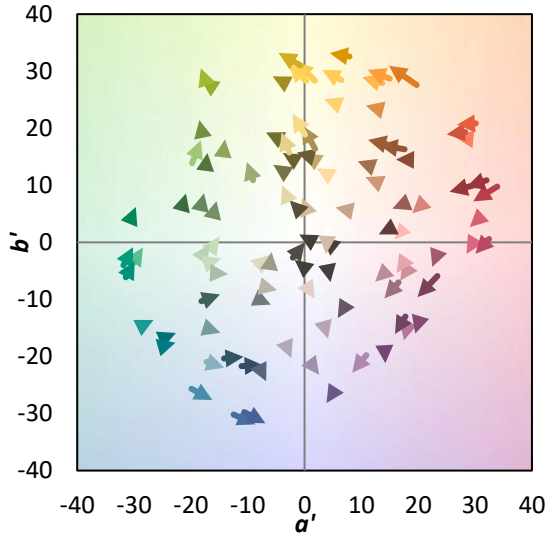


Color Vector Graphics









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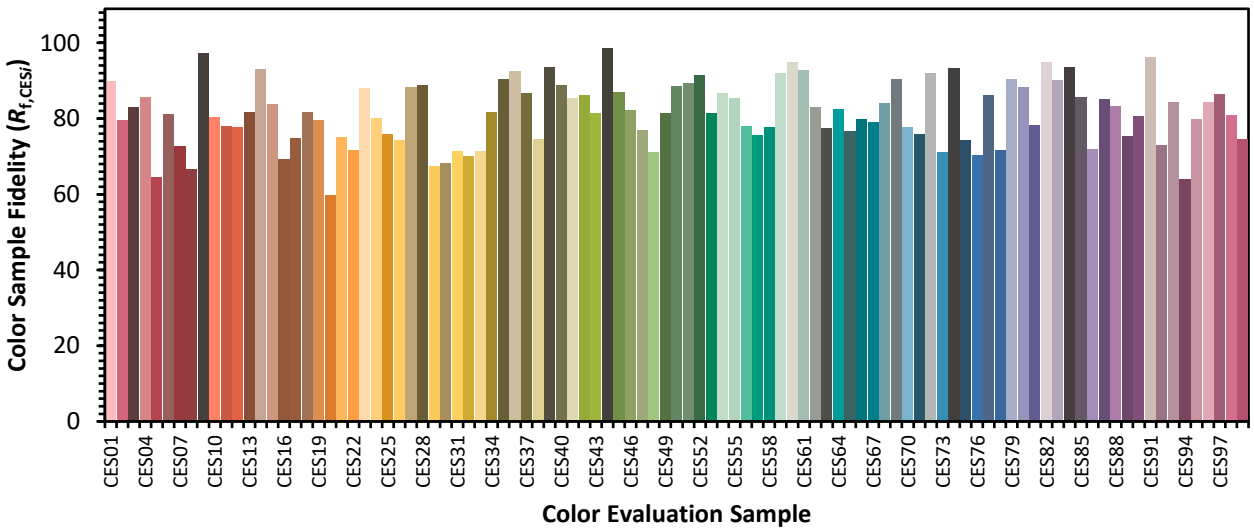
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 94
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 91	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 78	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



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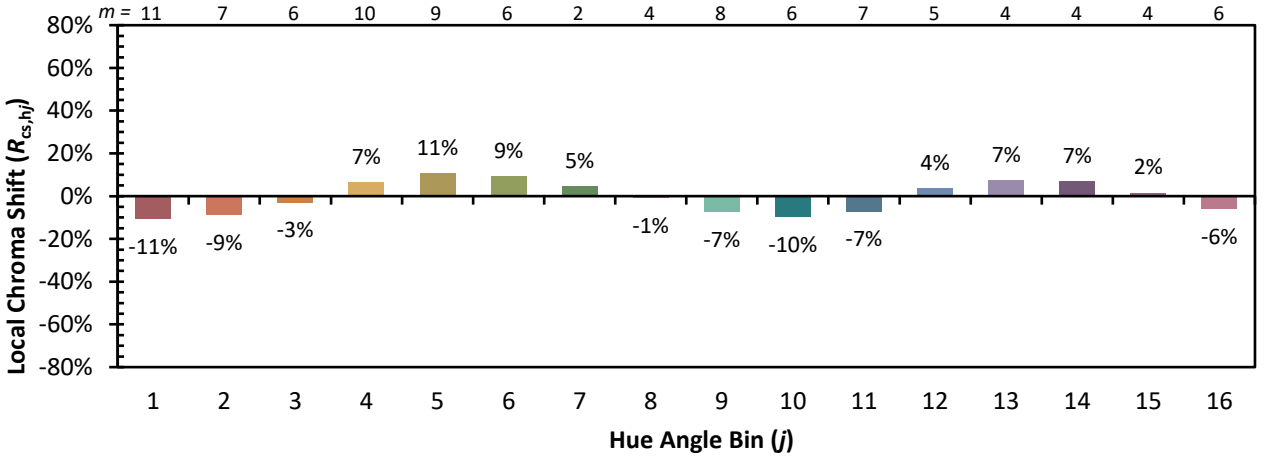
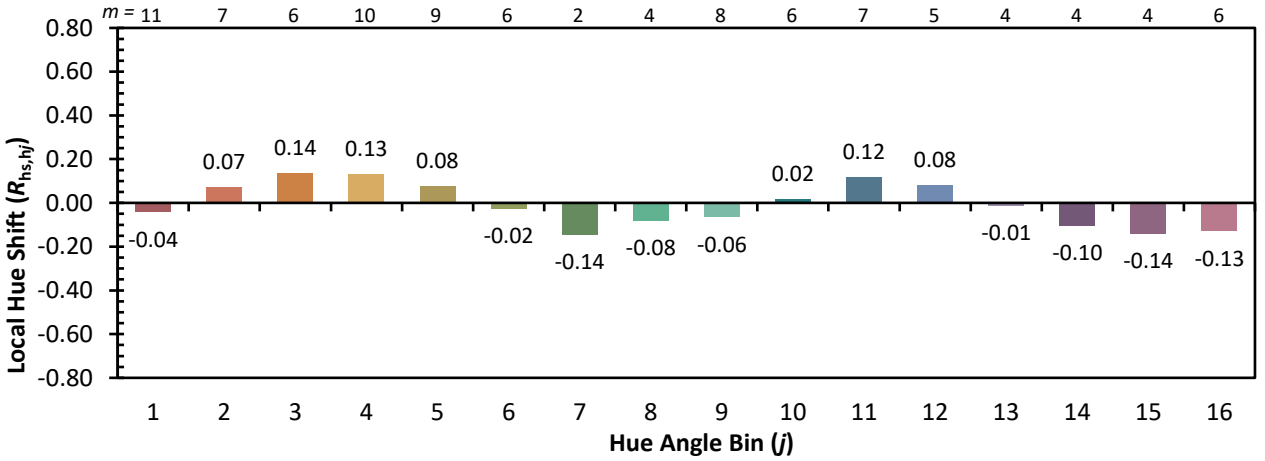
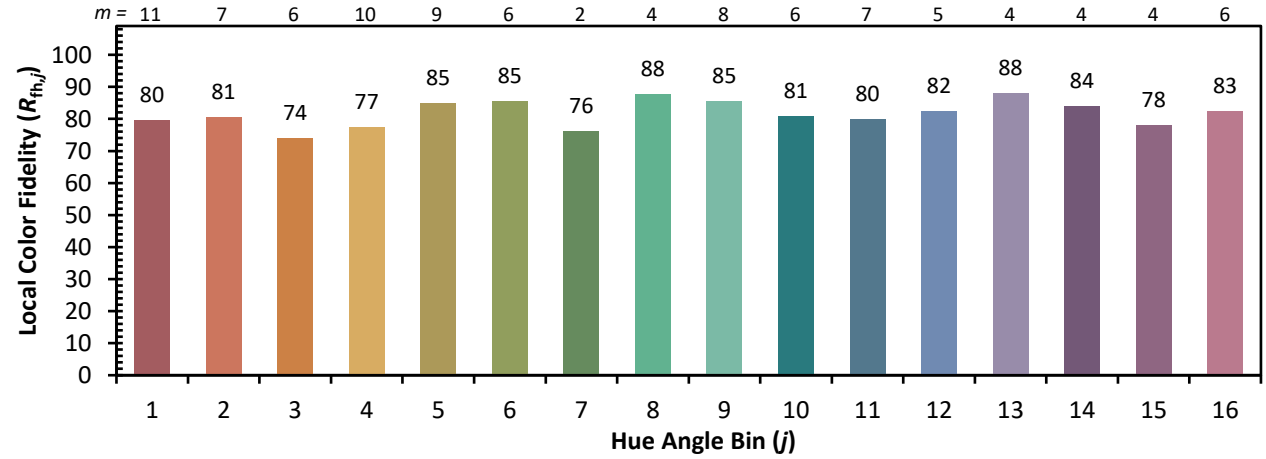
Color Rendition by Hue-Angle Bin







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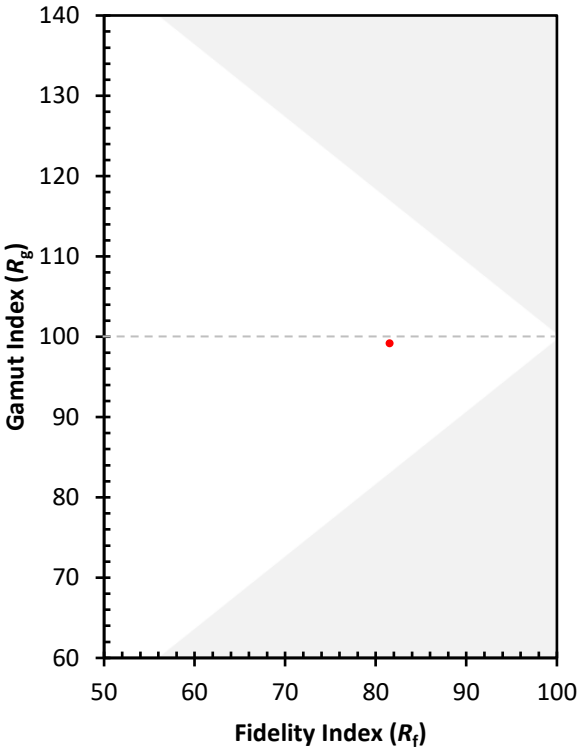
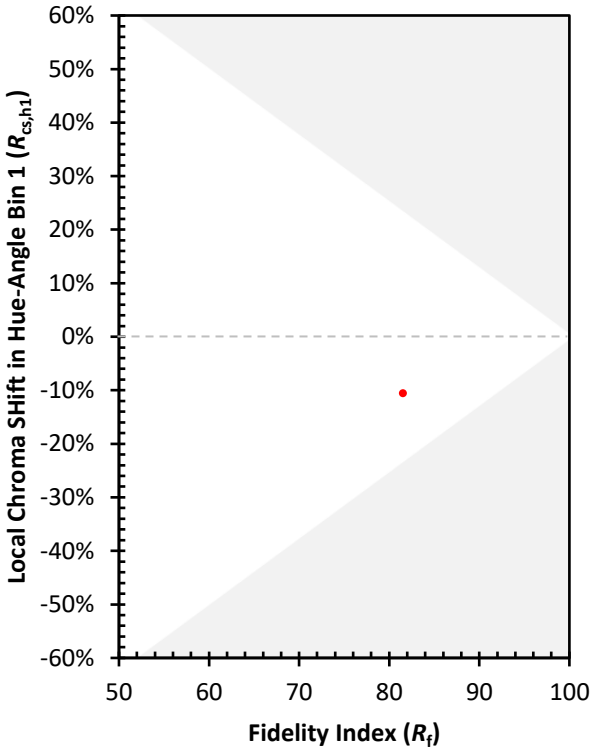
Measure Comparisons





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