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: P632060

Luminaire Tested: GWS-SA2B-830-U-T2R-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:	P632060
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA2B-830-U-T2R-W
Description:	GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source:	(32) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5590.1 lumens
Efficiency:	N/A
Efficacy:	120.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	46.4
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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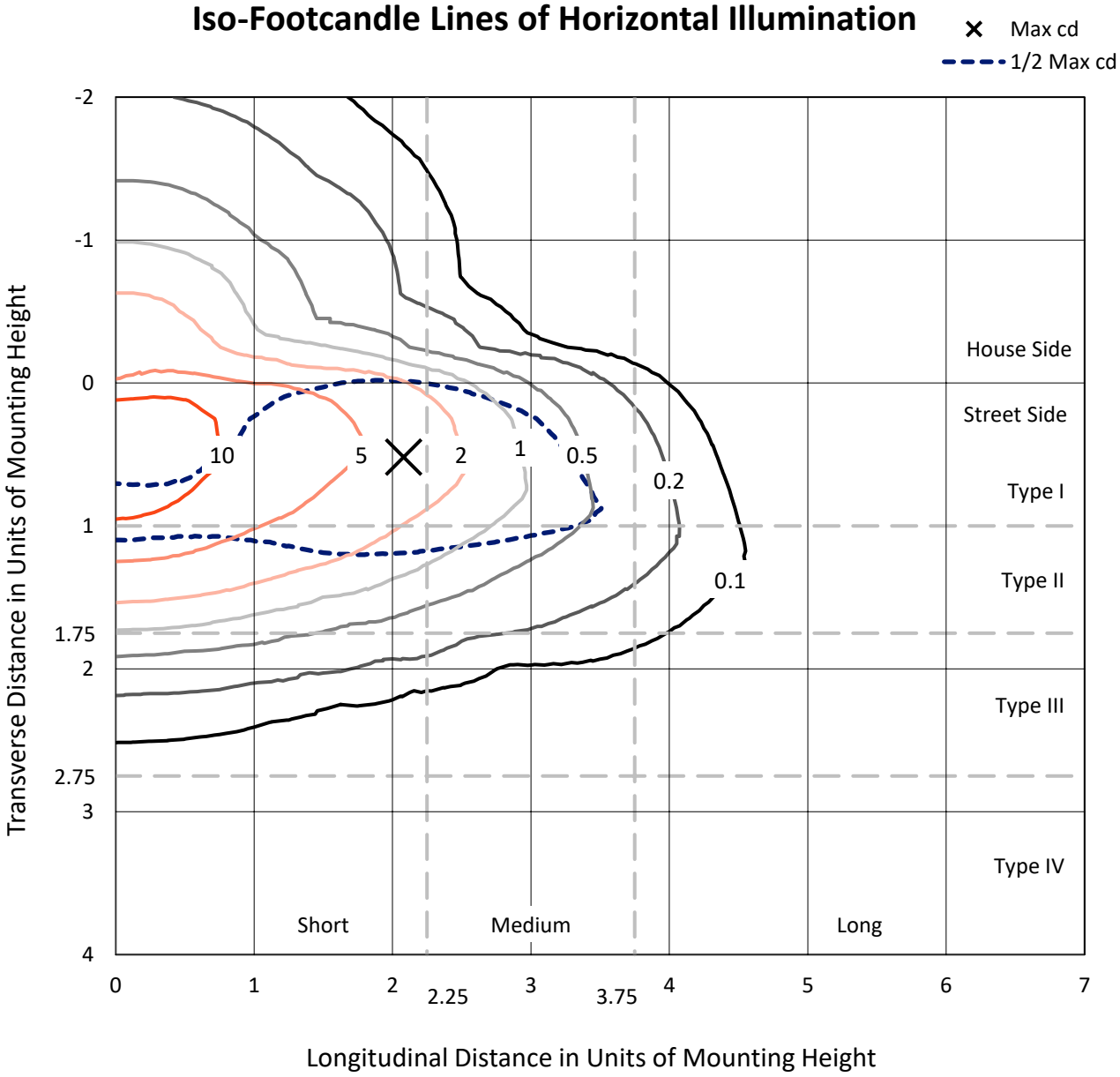
Scaled Data Report

REPORT NUMBER: P632060
CATALOG NUMBER: GWS-SA2B-830-U-T2R-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 13.7 fc
Type II - Short - N/A

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REPORT NUMBER: P632060
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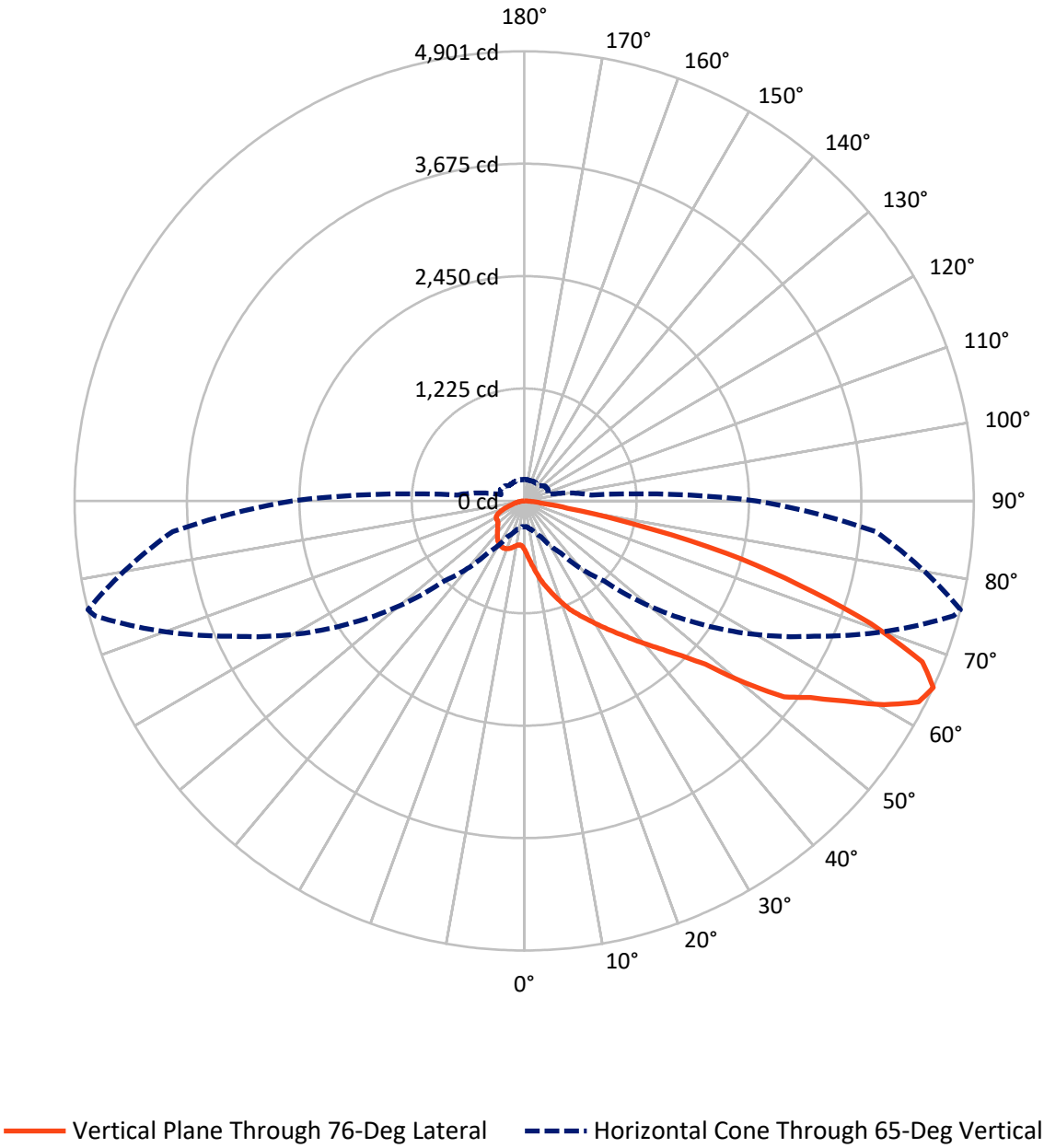
Luminous Intensity Polar Plot



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REPORT NUMBER: P632060
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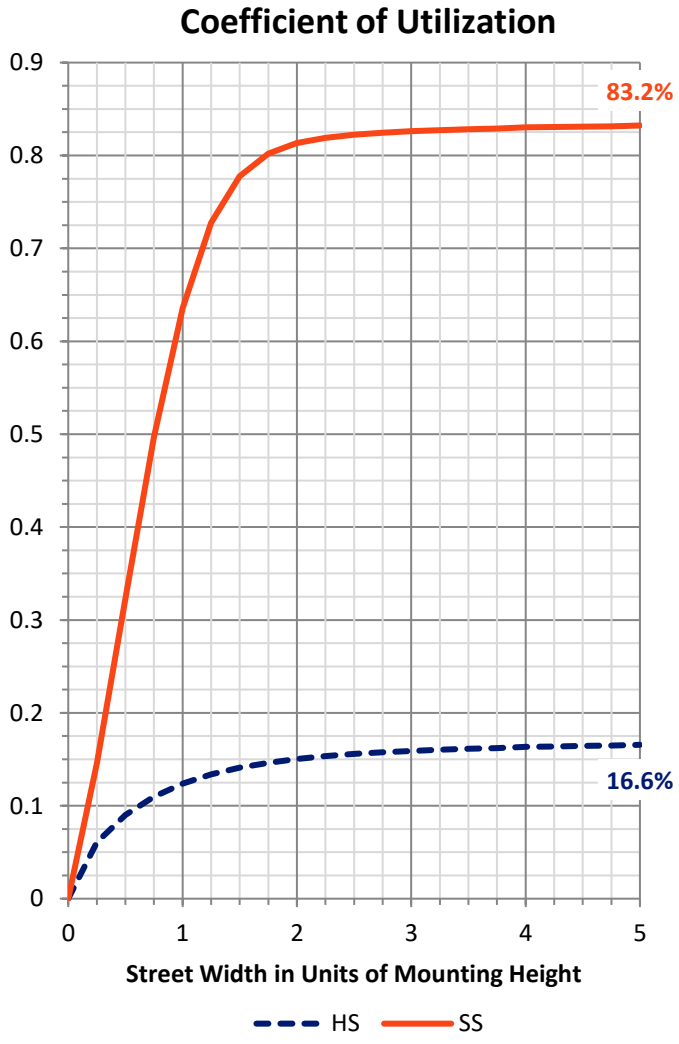
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	934.4	0.0	934.4
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	4655.7	0.0	4655.7
	% Fixture	83.3	0.0	83.3
Total	Lumens	5590.1	0.0	5590.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.9	1.1
10°-20°	239.5	4.3
20°-30°	466.8	8.4
30°-40°	780.8	14.0
40°-50°	1117.9	20.0
50°-60°	1323.4	23.7
60°-70°	1100.5	19.7
70°-80°	450.3	8.1
80°-90°	47.9	0.9
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°	5590.1	100.0
0°-180°	5590.1	100.0



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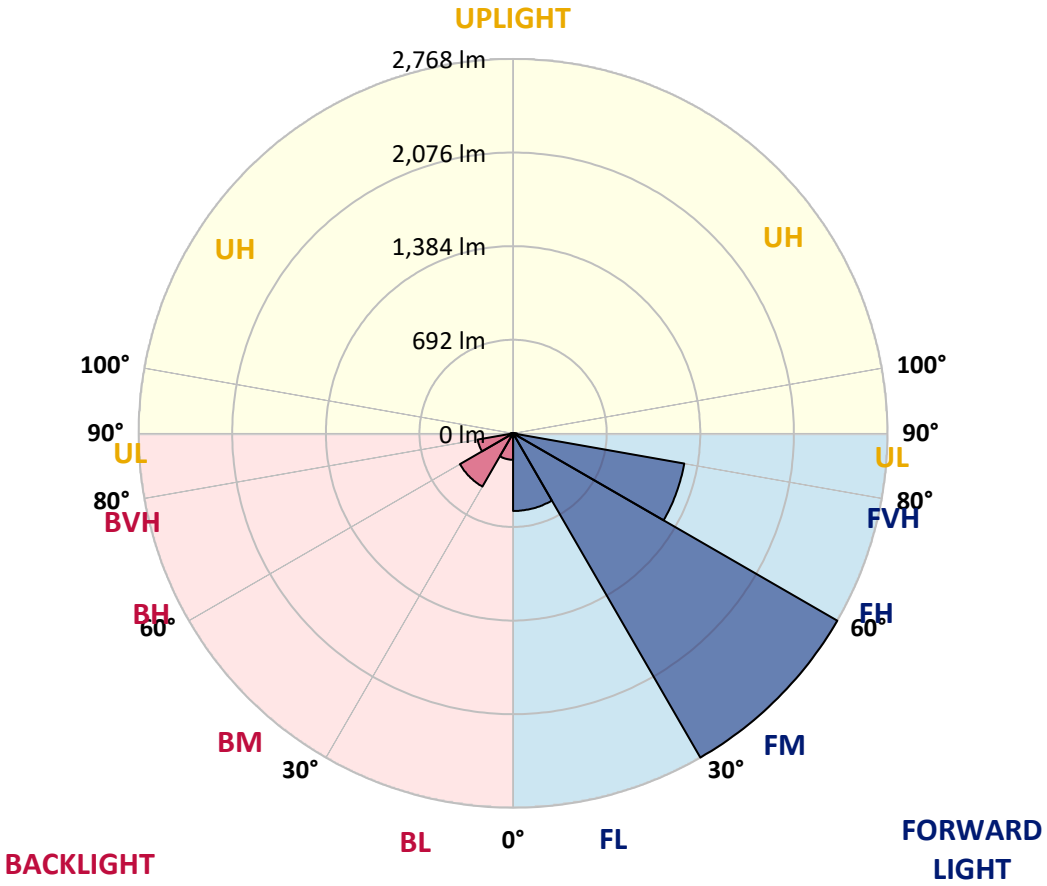
REPORT NUMBER: P632060
CATALOG NUMBER: GWS-SA2B-830-U-T2R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	573.8	10.3			
FM	(30°-60°)	2768.0	49.5			
FH	(60°-80°)	1285.3	23.0			G1/1800
FVH	(80°-90°)	28.6	0.5			G1/100
BL	(0°-30°)	195.5	3.5	B1/500		
BM	(30°-60°)	454.1	8.1	B1/1000		
BH	(60°-80°)	265.5	4.7	B1/500		G1/500
BVH	(80°-90°)	19.3	0.3			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 II Short



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Scaled Data Report

REPORT NUMBER: P632060
CATALOG NUMBER: GWS-SA2B-830-U-T2R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4	*529.4*	529.4
2.5°	742.0	744.7	735.7	732.5	711.3	682.6	658.7	622.5	589.1	*584.0*	554.1
5°	942.4	930.6	920.4	913.7	884.2	851.6	800.9	732.9	661.8	*653.2*	588.7
7.5°	1061.5	1059.5	1046.9	1043.0	1020.2	987.6	935.3	850.8	747.5	*733.3*	635.5
10°	1157.0	1155.8	1149.5	1153.0	1132.2	1100.4	1049.7	962.4	841.4	*827.3*	687.7
12.5°	1240.3	1242.3	1241.1	1254.0	1243.4	1218.7	1166.0	1070.1	935.3	*920.0*	751.4
15°	1301.2	1302.8	1308.7	1337.0	1342.9	1337.7	1284.3	1175.8	1028.1	*1006.1*	817.0
17.5°	1318.5	1321.6	1335.8	1381.4	1413.2	1434.4	1394.7	1283.5	1119.2	*1095.3*	883.8
20°	1341.7	1345.2	1359.4	1406.9	1453.7	1502.0	1494.9	1392.8	1211.2	*1191.6*	951.4
22.5°	1449.0	1446.2	1439.9	1462.7	1496.1	1556.3	1573.9	1497.7	1306.3	*1287.4*	1026.1
25°	1655.7	1650.6	1610.5	1589.7	1578.7	1615.2	1646.6	1593.2	1399.1	*1370.8*	1095.7
27.5°	1883.6	1880.9	1829.8	1780.3	1712.7	1696.9	1715.4	1676.5	1489.1	*1460.4*	1156.2
30°	2099.4	2091.1	2037.7	1975.6	1885.2	1817.6	1790.5	1758.3	1587.7	*1557.8*	1226.9
32.5°	2292.3	2281.7	2218.8	2150.1	2055.4	1975.6	1894.6	1845.1	1699.3	*1664.7*	1299.2
35°	2450.7	2440.1	2375.6	2302.5	2198.4	2139.5	2028.6	1939.4	1812.9	*1777.9*	1384.5
37.5°	2573.3	2563.5	2496.3	2424.4	2333.6	2286.8	2190.5	2045.5	1943.7	*1907.2*	1474.9
40°	2642.1	2635.0	2581.2	2524.2	2448.0	2407.5	2364.2	2179.5	2090.3	*2053.8*	1581.4
42.5°	2662.9	2658.2	2620.5	2591.0	2539.5	2508.9	2533.6	2337.1	2246.7	*2214.9*	1701.3
45°	2610.7	2610.7	2599.6	2614.6	2616.9	2616.5	2703.4	2515.2	2438.9	*2403.9*	1870.3
47.5°	2477.0	2485.7	2501.8	2575.3	2652.7	2717.5	2901.9	2752.5	2686.1	*2657.4*	2109.6
50°	2232.6	2256.2	2311.2	2454.6	2619.3	2784.4	3089.7	3103.5	3166.7	*3116.0*	2461.7
52.5°	1874.6	1871.0	2011.3	2215.7	2466.8	2787.1	3193.1	3413.1	3583.3	*3548.3*	2723.4
55°	1489.8	1483.9	1614.8	1896.6	2233.0	2681.8	3255.2	3555.0	3814.4	*3783.0*	2958.8
57.5°	1140.9	1133.4	1249.7	1504.0	1902.9	2458.2	3243.4	3724.0	4132.3	*4116.2*	3278.7
60°	785.2	776.2	885.0	1107.5	1512.2	2116.3	3112.9	3810.9	4504.5	*4510.0*	3621.0
62.5°	471.6	466.5	545.5	718.0	1087.8	1692.6	2807.5	3758.2	4800.8	*4825.6*	3841.1
65°	*284.5*	*281.0*	*327.4*	*428.4*	*690.1*	*1235.2*	*2336.7*	*3489.0*	*4843.6*	*4900.6*	*3846.2*
67.5°	207.1	207.5	220.9	260.9	402.4	797.8	1753.5	3006.4	4620.4	*4679.4*	3603.7
70°	180.0	180.8	187.9	196.9	243.3	456.7	1140.1	2373.3	3960.6	*4006.2*	3022.5
72.5°	159.9	159.9	164.7	169.4	190.2	278.2	610.7	1658.8	3125.9	*3138.1*	2306.9
75°	140.7	139.5	141.9	144.2	165.1	194.5	297.1	1155.8	2308.8	*2280.5*	1491.0
77.5°	112.0	110.8	111.2	113.6	132.4	139.1	150.5	721.9	1301.2	*1228.1*	658.7
80°	79.8	79.0	83.3	89.2	97.9	85.3	94.3	349.4	516.0	*480.2*	255.4
82.5°	47.6	49.1	55.8	60.5	67.6	53.4	60.9	116.7	182.7	*178.0*	103.8
85°	6.7	7.1	20.0	23.2	29.1	20.8	32.2	52.7	73.1	*78.2*	36.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	9.4	20.8	*21.2*	9.0
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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Scaled Data Report

REPORT NUMBER: P632060
CATALOG NUMBER: GWS-SA2B-830-U-T2R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4
2.5°	538.8	520.3	494.0	472.0	453.5	438.6	426.0	416.6	413.8	409.9	409.9
5°	558.4	525.0	477.9	444.5	425.2	413.8	406.0	402.0	400.1	397.7	396.5
7.5°	585.6	538.8	475.1	441.3	426.4	419.3	414.2	411.9	410.3	407.9	407.9
10°	622.9	559.2	483.8	452.3	440.5	433.5	427.6	423.6	420.1	416.6	415.8
12.5°	663.4	586.0	499.5	467.3	454.7	446.0	437.8	431.9	427.6	423.3	422.1
15°	708.2	613.5	516.4	481.8	466.1	454.3	444.5	435.4	429.5	423.3	422.5
17.5°	752.2	641.4	530.5	491.6	471.6	457.1	442.9	431.1	423.6	416.6	414.6
20°	804.9	669.3	540.4	494.4	470.4	451.2	434.3	419.3	411.1	402.8	401.6
22.5°	853.2	695.2	545.1	490.5	461.4	438.6	418.9	402.8	393.8	385.5	384.0
25°	900.0	718.0	543.1	481.0	447.6	421.3	400.9	384.7	376.1	367.4	365.1
27.5°	945.1	733.3	535.3	466.5	430.3	402.0	382.4	367.8	360.4	352.9	349.8
30°	989.6	747.5	523.1	447.6	408.3	382.0	365.9	355.7	348.2	340.3	338.0
32.5°	1034.4	757.7	504.6	425.6	385.9	364.3	354.5	347.0	339.2	331.3	328.9
35°	1079.6	762.0	482.2	400.5	367.1	352.9	349.4	340.7	330.1	320.7	317.5
37.5°	1133.4	765.9	454.3	375.7	350.5	347.4	346.6	333.7	321.1	308.1	304.6
40°	1198.2	771.1	425.6	353.3	337.2	345.4	342.3	324.6	299.5	286.9	283.0
42.5°	1277.6	780.5	395.7	332.9	327.4	338.0	334.4	302.6	285.7	278.6	276.7
45°	1394.3	815.1	365.9	316.8	319.9	327.4	321.9	289.6	283.0	278.2	275.9
47.5°	1602.2	868.1	339.9	304.6	314.0	317.9	296.7	286.1	281.0	274.7	272.0
50°	1818.4	891.3	319.1	297.1	307.3	309.3	283.0	281.4	277.8	271.2	268.4
52.5°	1964.6	888.2	306.5	294.4	301.8	294.4	276.7	276.3	273.9	266.1	262.9
55°	2129.6	893.7	301.0	295.1	299.5	269.2	268.8	270.0	268.8	260.2	258.6
57.5°	2352.5	910.6	298.3	297.9	297.9	257.0	261.3	262.9	260.6	256.6	255.4
60°	2566.6	911.7	293.2	301.0	296.7	249.6	252.7	254.3	251.5	250.7	250.3
62.5°	2647.2	855.2	281.8	298.7	292.0	241.3	243.7	244.4	241.7	243.7	243.3
65°	*2527.3*	*734.9*	*262.9*	*287.3*	*277.5*	*233.8*	*232.3*	*234.2*	*229.5*	*234.6*	*235.0*
67.5°	2244.0	584.0	234.2	265.7	257.0	225.6	222.4	222.4	214.6	222.4	222.0
70°	1809.3	412.6	192.2	231.1	234.6	215.8	214.2	205.1	192.6	204.4	203.2
72.5°	1371.5	296.3	151.3	182.7	202.0	202.0	202.4	187.1	172.5	178.0	173.3
75°	868.9	208.7	121.0	139.9	158.4	177.2	186.3	158.0	145.0	142.7	140.3
77.5°	391.4	137.2	94.3	107.3	112.4	139.9	170.2	136.0	118.3	113.2	111.6
80°	163.9	85.3	67.2	75.8	69.2	117.5	150.1	105.7	86.9	79.8	74.7
82.5°	71.9	50.7	42.8	40.9	43.2	87.2	112.0	70.3	54.2	73.5	74.3
85°	30.3	26.7	22.0	20.0	17.7	33.4	52.7	27.5	33.8	19.3	15.7
87.5°	7.1	7.9	5.9	3.9	2.4	0.4	0.0	0.0	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

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

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

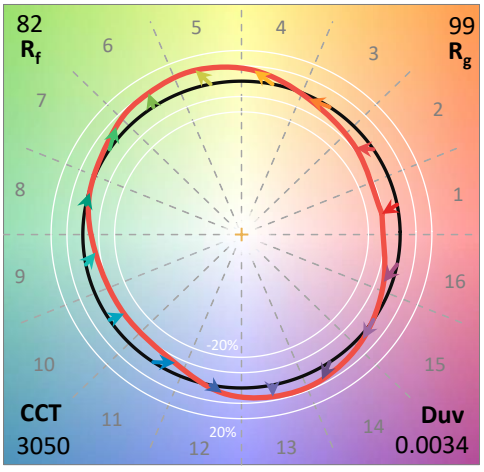
Test Information

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

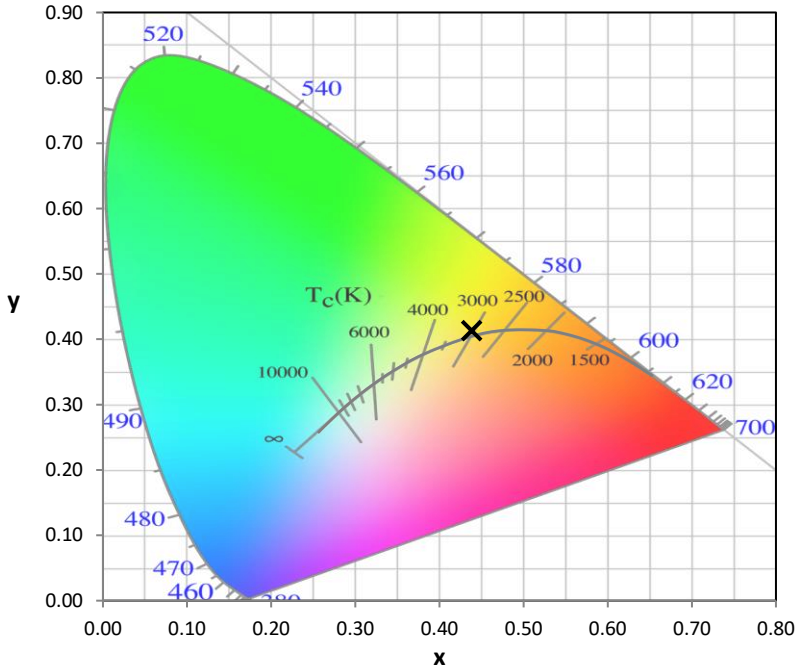
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

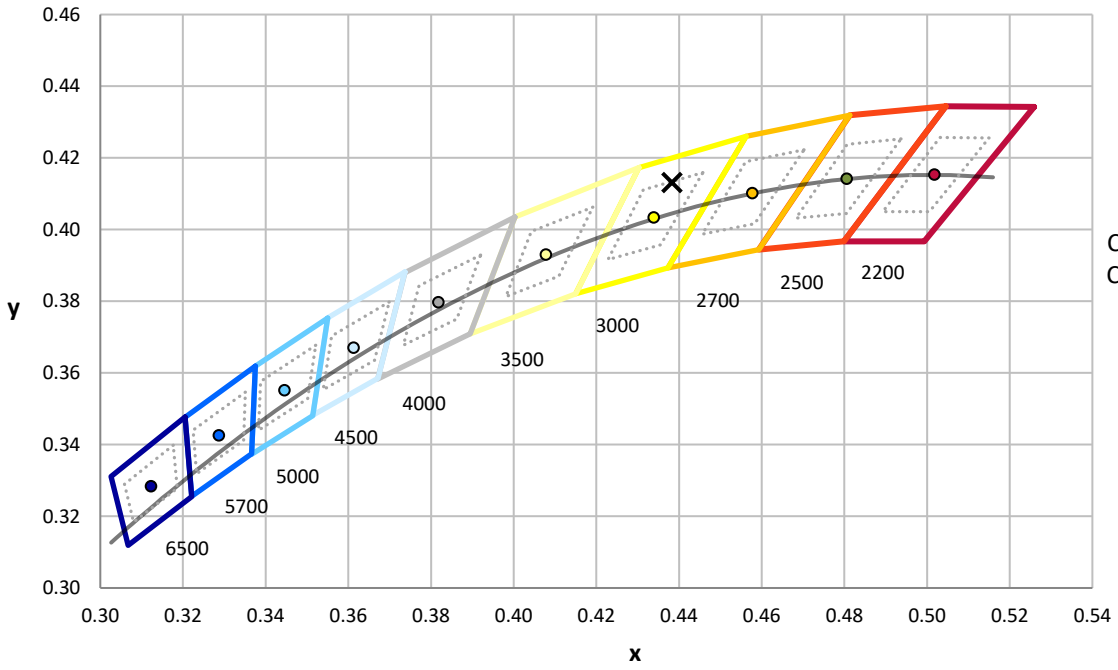
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

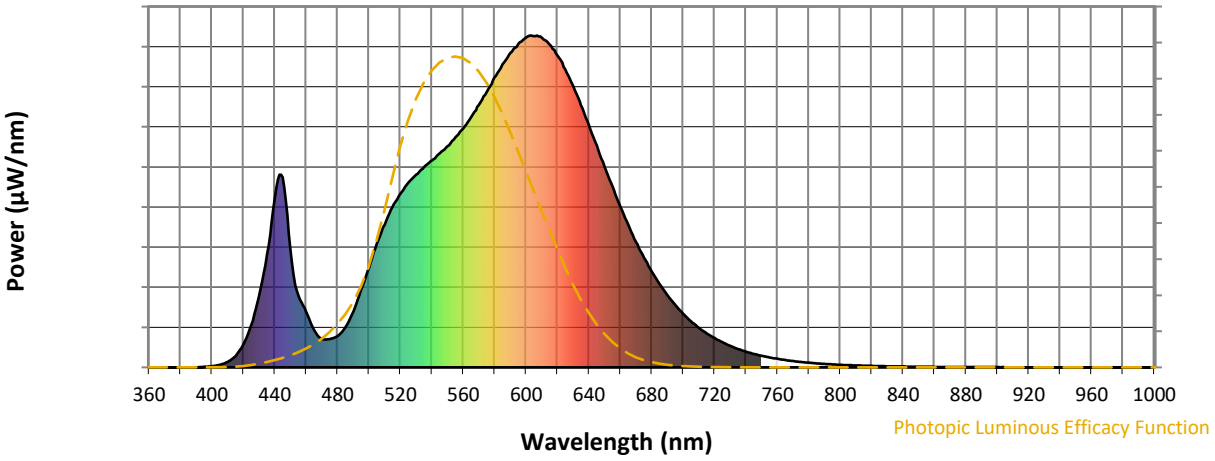


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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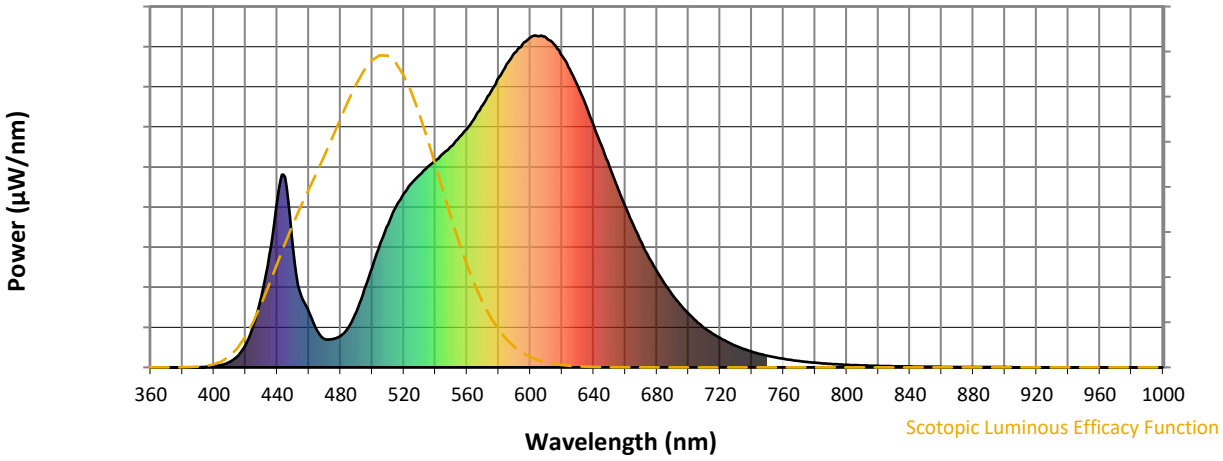
Scotopic Flux vs. Wavelength



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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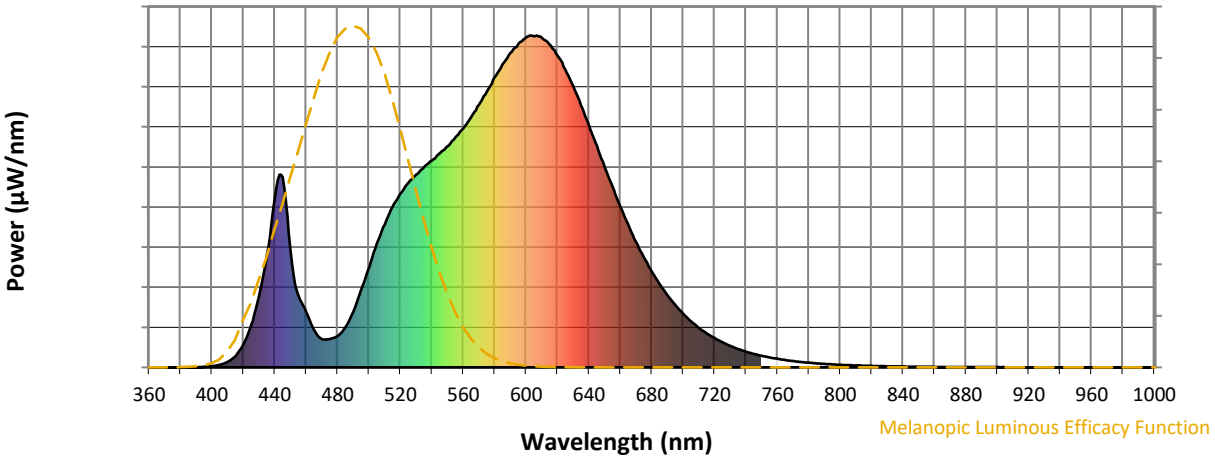
Melanopic Flux vs. Wavelength



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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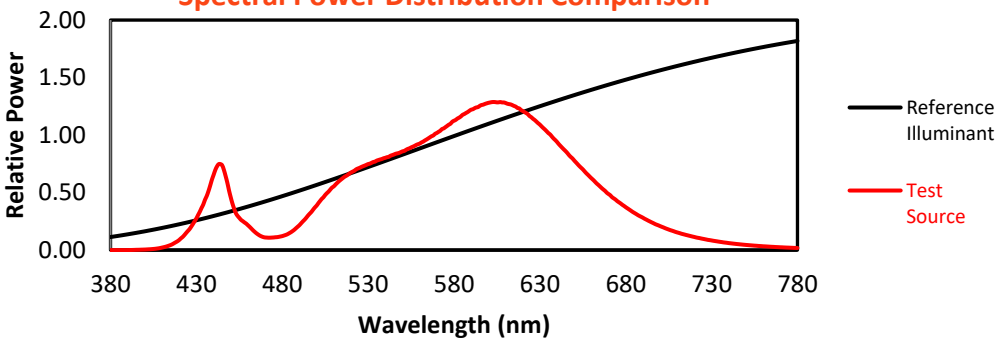
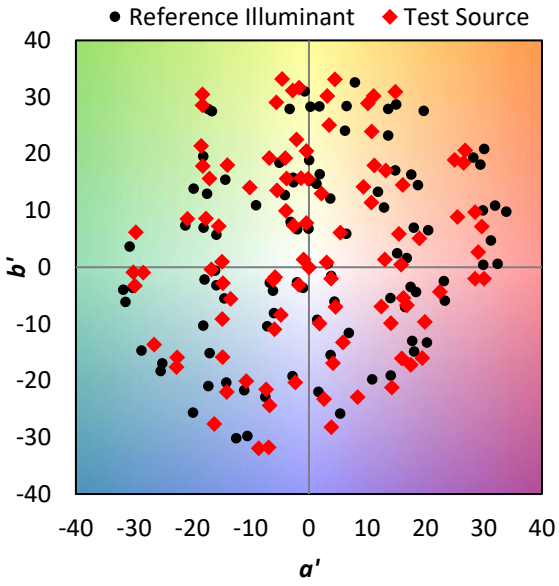
Summary

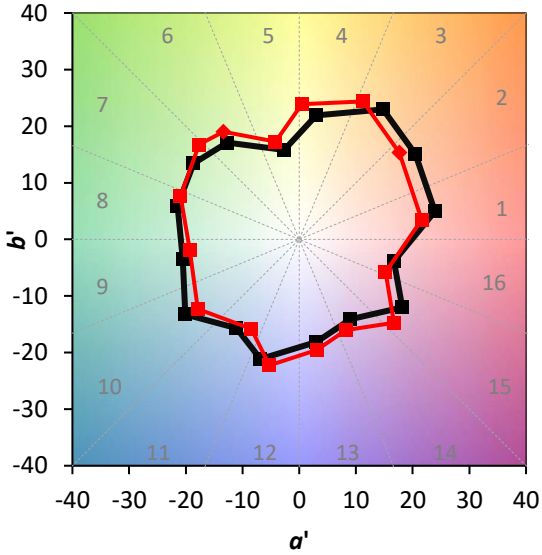
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

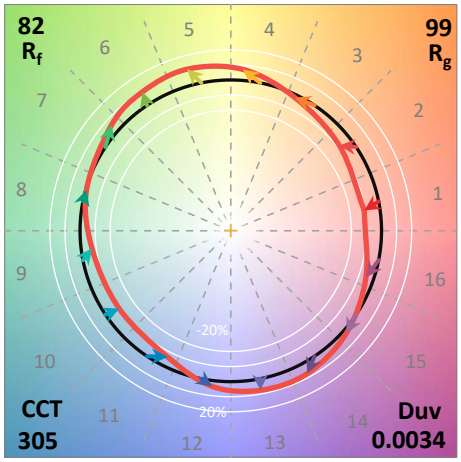
Spectral Power Distribution Comparison

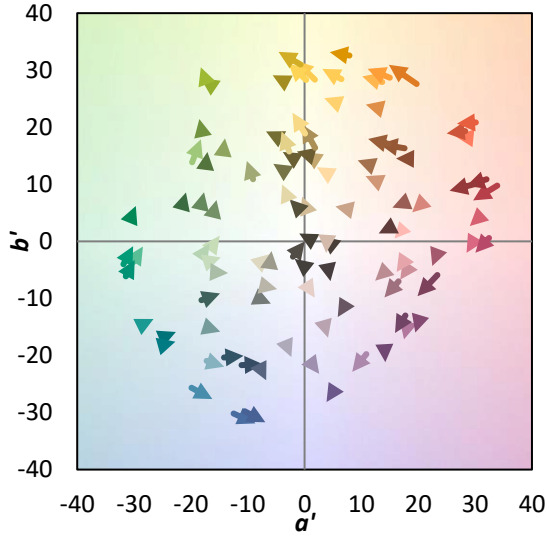


Color Vector Graphics









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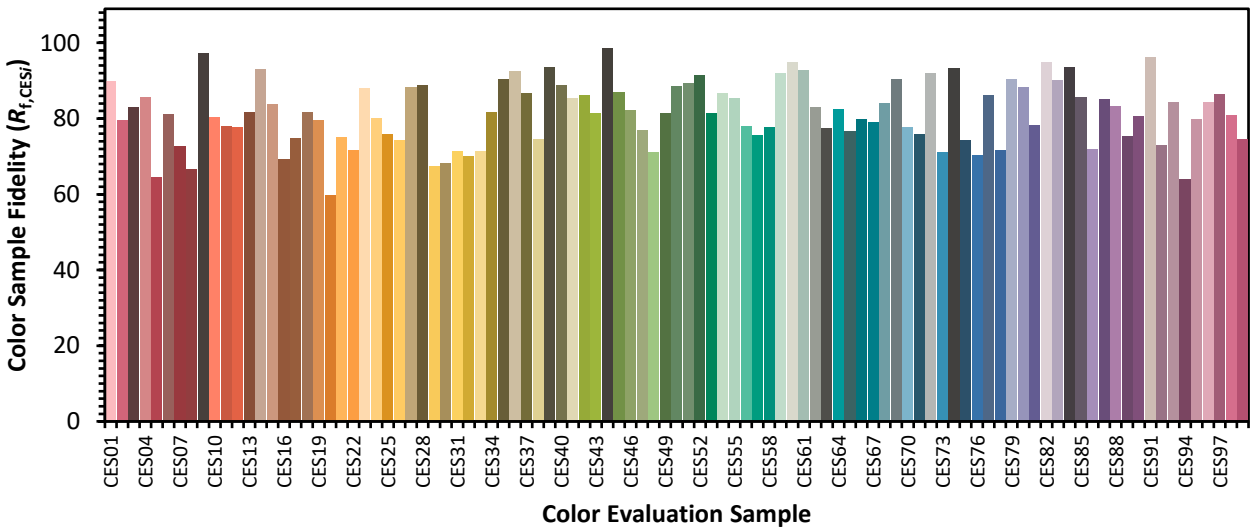
Individual Sample Fidelity Index ($R_{f,i}$)

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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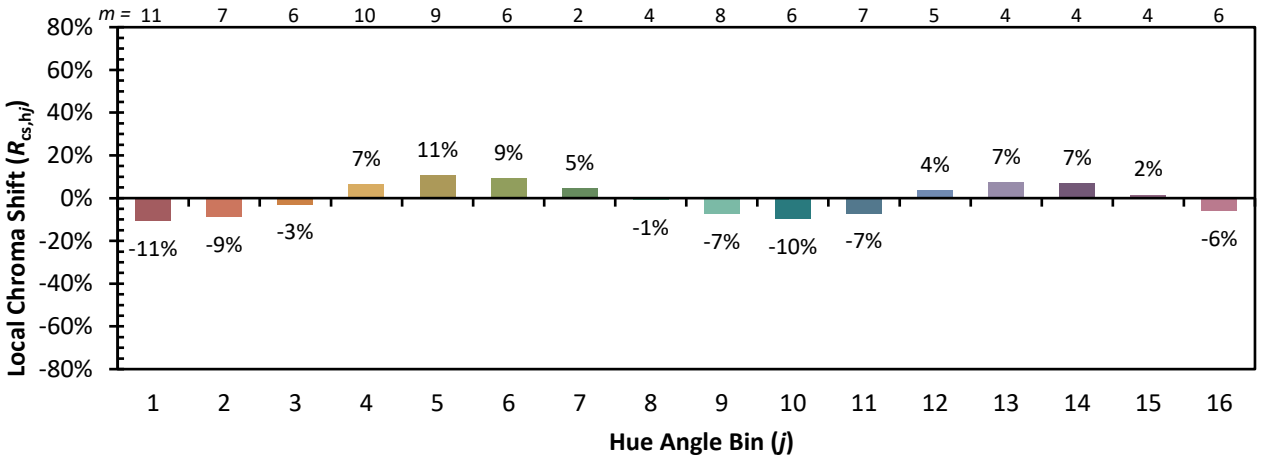
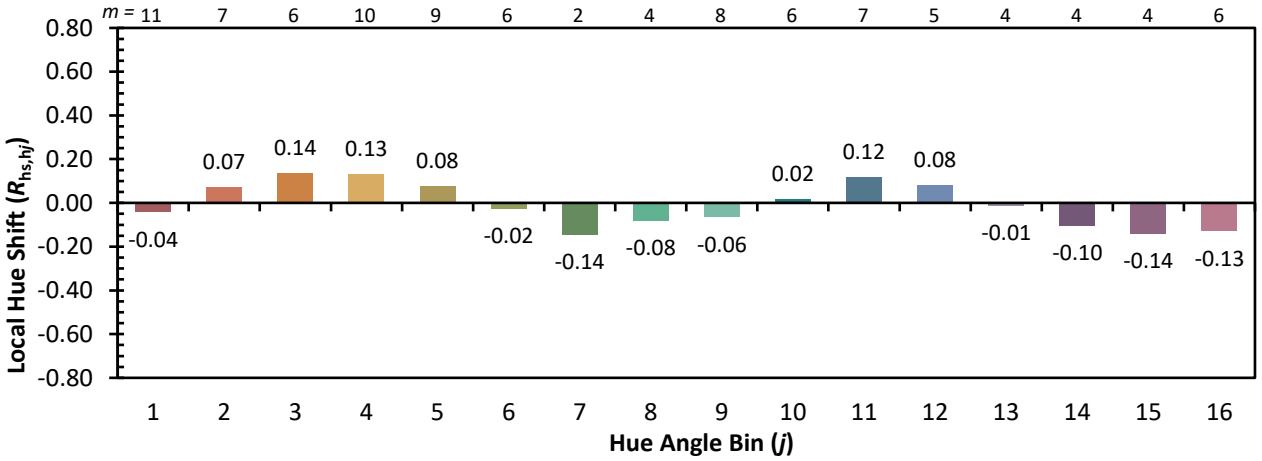
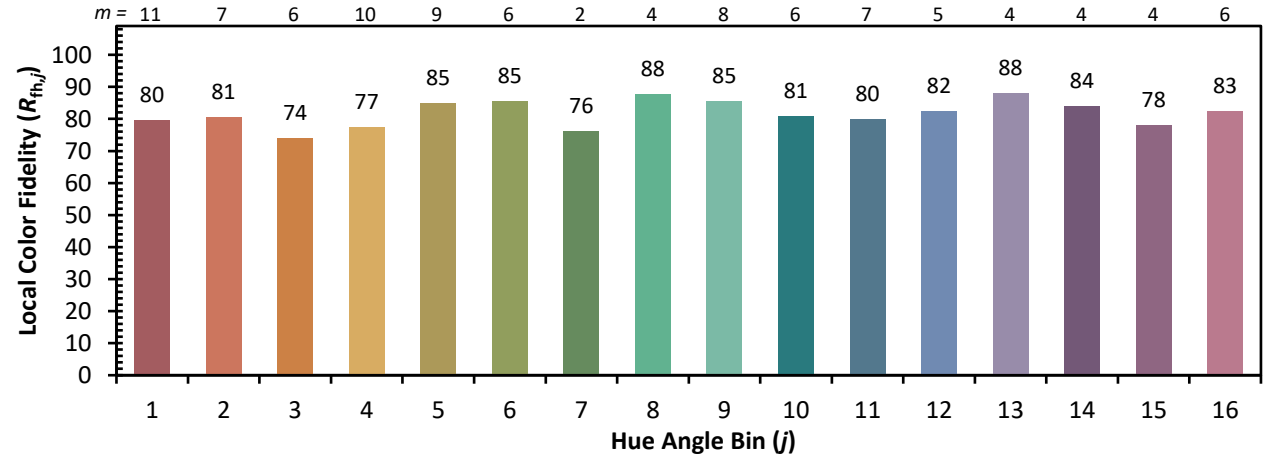
Color Rendition by Hue-Angle Bin







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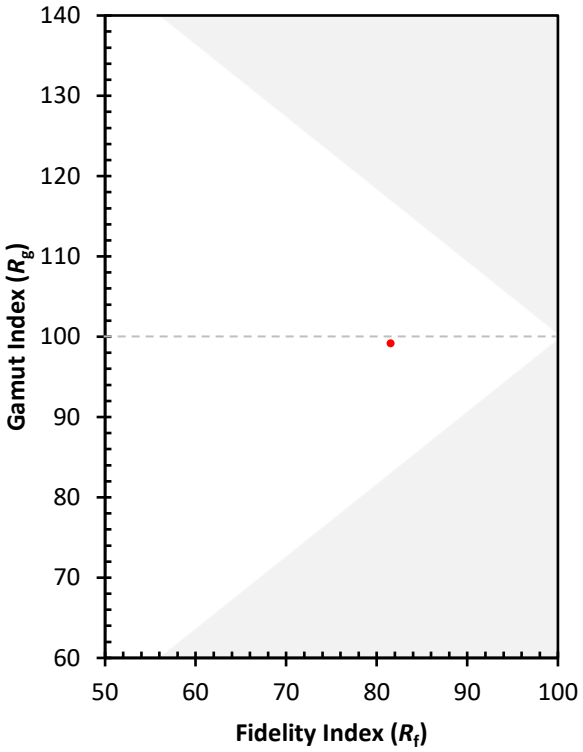
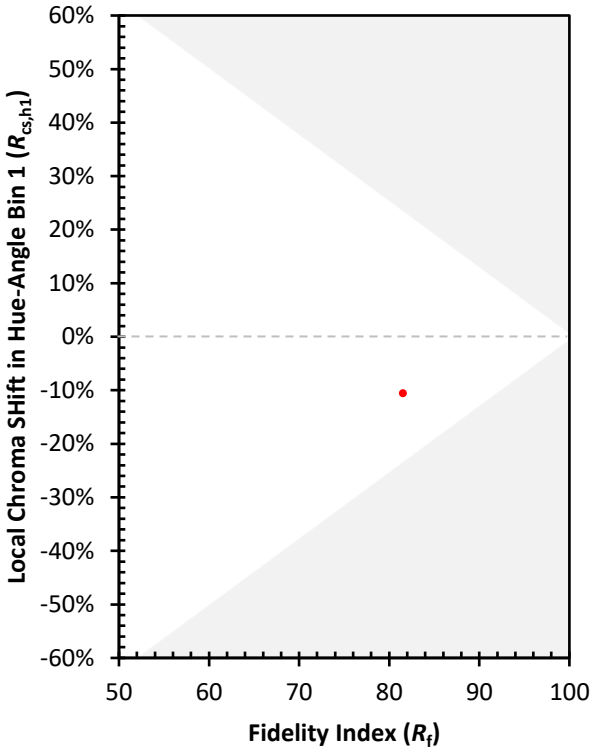
Measure Comparisons





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