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: P637509

Luminaire Tested: GWS-SA4C-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:	P637509
	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-SA4C-830-U-T3-W
Description:	GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source:	(64) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	15430.9 lumens
Efficiency:	N/A
Efficacy:	120.1 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G3

Input Watts (W):	128.5
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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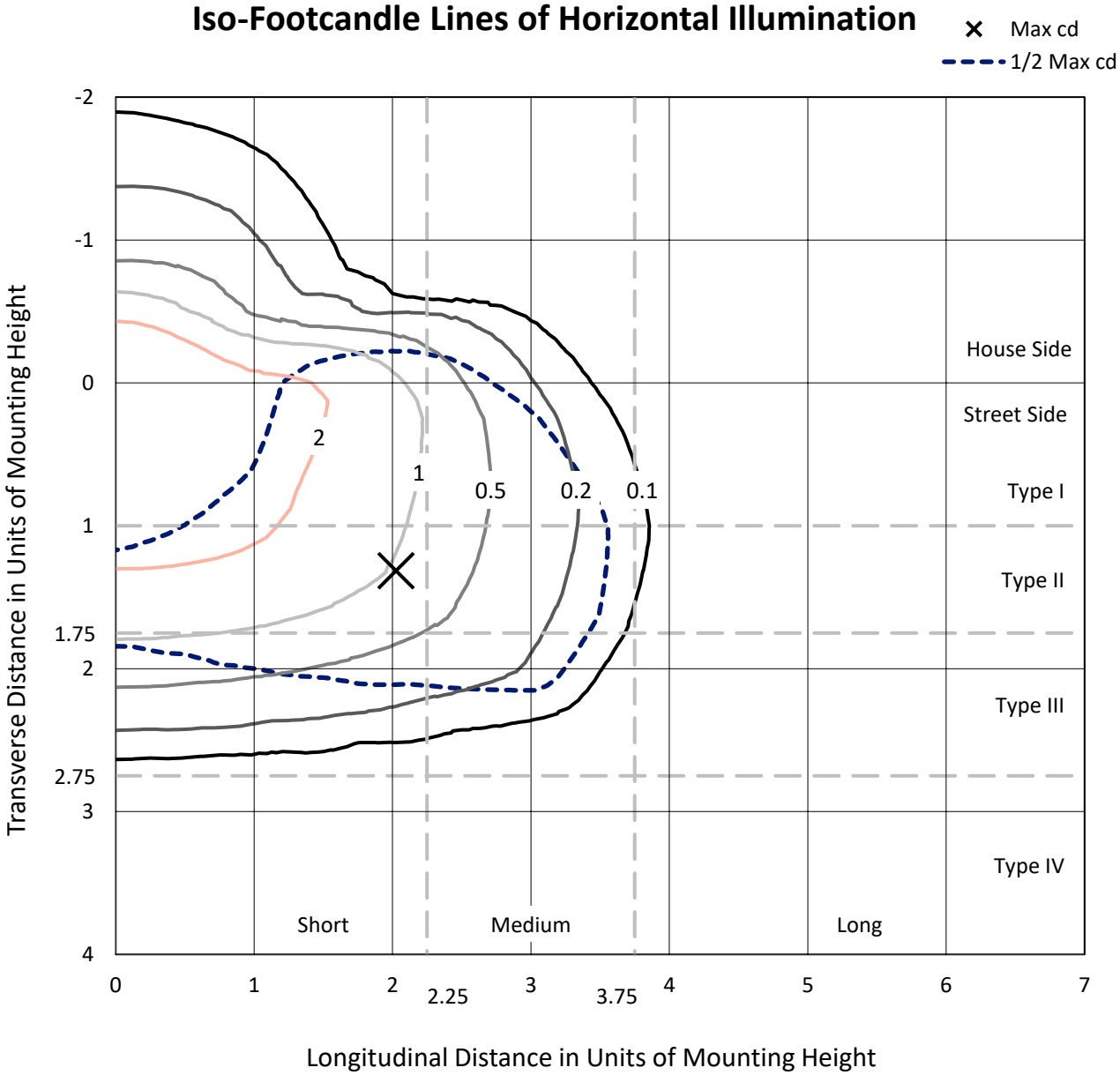
Scaled Data Report

REPORT NUMBER: P637509
CATALOG NUMBER: GWS-SA4C-830-U-T3-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
Type III - Short - N/A

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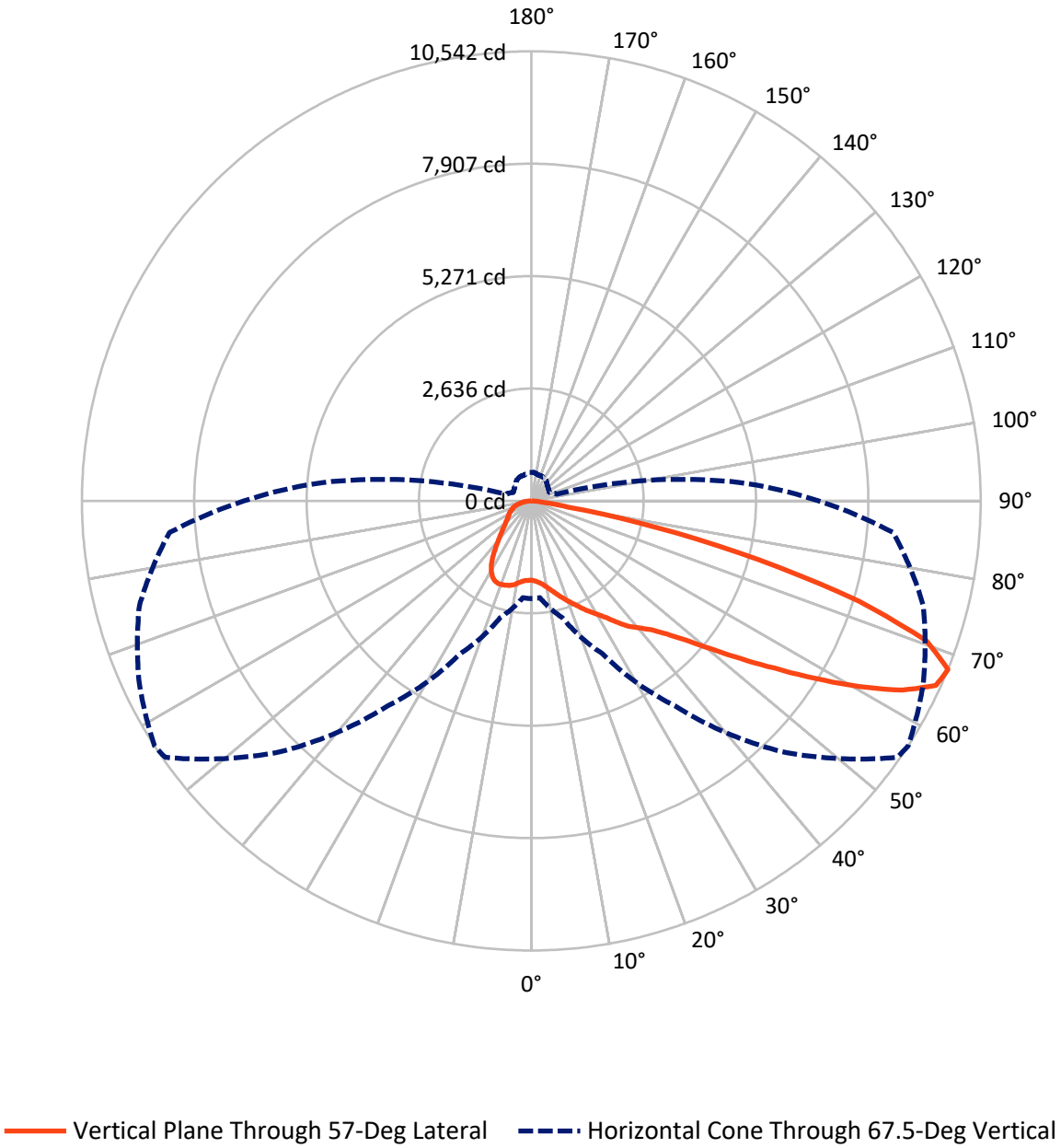
Luminous Intensity Polar Plot



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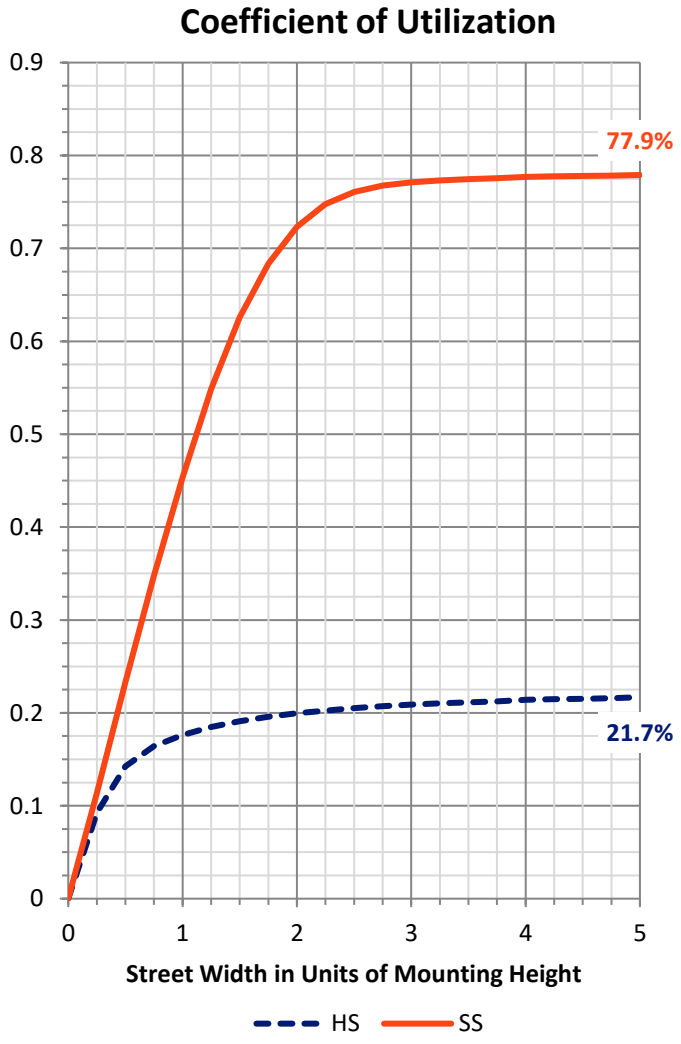
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3392.7	0.0	3392.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	12038.2	0.0	12038.2
	% Fixture	78.0	0.0	78.0
Total	Lumens	15430.9	0.0	15430.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.4	1.2
10°-20°	610.5	4.0
20°-30°	1088.4	7.1
30°-40°	1582.3	10.3
40°-50°	2290.2	14.8
50°-60°	3584.1	23.2
60°-70°	4181.0	27.1
70°-80°	1745.3	11.3
80°-90°	164.7	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°	15430.9	100.0
0°-180°	15430.9	100.0



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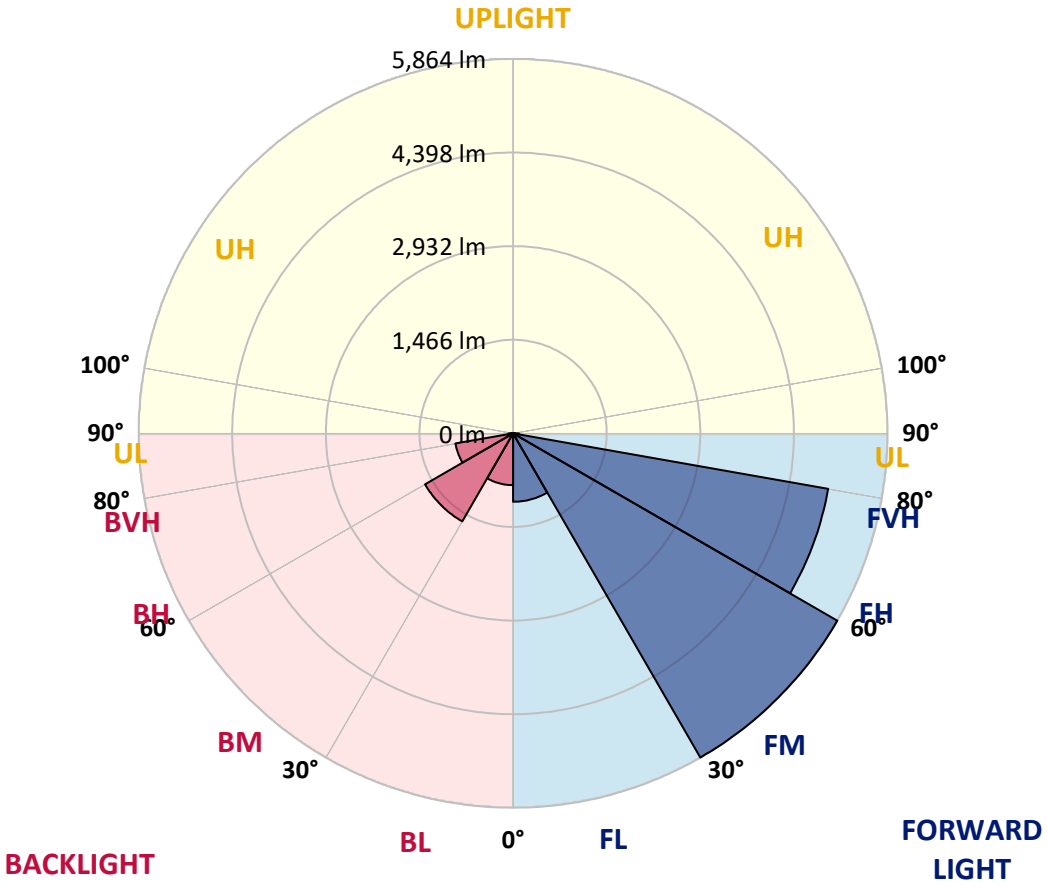
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1071.8	6.9			
FM	(30°-60°)	5864.0	38.0			
FH	(60°-80°)	5010.7	32.5			G3/7500
FVH	(80°-90°)	91.8	0.6			G1/100
BL	(0°-30°)	811.4	5.3	B2/1000		
BM	(30°-60°)	1592.6	10.3	B2/2500		
BH	(60°-80°)	915.7	5.9	B2/1000		G2/1000
BVH	(80°-90°)	72.9	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type III Short



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REPORT NUMBER: P637509
CATALOG NUMBER: GWS-SA4C-830-U-T3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3
2.5°	1885.8	1883.6	1882.5	1889.2	1887.0	1885.8	1885.8	1884.7	1882.5	1873.7	1861.5
5°	1937.8	1933.4	1929.0	1934.5	1930.1	1925.6	1924.5	1922.3	1914.6	1901.3	1882.5
7.5°	1992.0	1987.5	1988.7	1992.0	1988.7	1986.4	1983.1	1980.9	1968.8	1947.8	1922.3
10°	2068.2	2068.2	2070.5	2073.8	2074.9	2071.6	2064.9	2061.6	2047.2	2020.7	1985.3
12.5°	2178.8	2176.6	2176.6	2174.4	2177.7	2174.4	2167.7	2162.2	2144.5	2110.2	2059.4
15°	2324.7	2315.9	2308.1	2293.7	2289.3	2277.2	2279.4	2276.1	2259.5	2213.1	2148.9
17.5°	2480.6	2479.5	2467.3	2438.6	2409.8	2389.9	2394.3	2393.2	2384.4	2321.4	2239.6
20°	2617.6	2623.2	2612.1	2590.0	2551.3	2513.7	2511.5	2517.0	2506.0	2443.0	2329.1
22.5°	2771.3	2766.9	2755.8	2727.1	2698.3	2658.5	2645.3	2640.9	2636.4	2564.6	2420.9
25°	2917.2	2930.5	2916.1	2889.6	2845.4	2802.2	2791.2	2795.6	2783.5	2688.4	2519.3
27.5°	3101.8	3107.3	3098.5	3062.0	3024.4	2963.6	2942.6	2942.6	2938.2	2804.5	2596.6
30°	3298.6	3314.1	3298.6	3268.7	3230.0	3142.7	3097.4	3093.0	3079.7	2923.8	2687.3
32.5°	3496.4	3507.5	3496.4	3467.7	3423.5	3347.2	3282.0	3272.0	3254.4	3054.3	2780.1
35°	3672.2	3682.2	3679.9	3686.6	3650.1	3553.9	3514.1	3509.7	3463.3	3224.5	2906.2
37.5°	3864.6	3876.7	3860.1	3873.4	3859.0	3768.4	3756.2	3734.1	3667.8	3384.8	3038.8
40°	4083.4	4094.5	4067.9	4073.5	4056.9	4006.0	3944.1	3914.3	3815.9	3558.4	3247.7
42.5°	4317.8	4343.2	4355.4	4345.4	4306.7	4278.0	4169.6	4132.1	4050.3	3871.2	3591.5
45°	4657.1	4694.7	4712.4	4687.0	4670.4	4629.5	4496.9	4451.5	4408.4	4312.2	4071.3
47.5°	5023.0	5057.3	5113.7	5124.7	5138.0	5107.0	4920.2	4876.0	4883.8	4872.7	4661.6
50°	5314.9	5343.6	5470.7	5606.7	5719.4	5728.3	5489.5	5442.0	5484.0	5519.4	5372.3
52.5°	5527.1	5552.5	5720.6	6001.3	6256.7	6445.7	6188.1	6134.0	6168.3	6247.8	6180.4
55°	5699.6	5734.9	5910.7	6341.8	6858.0	7156.5	6991.8	6923.3	6908.9	7007.3	7046.0
57.5°	5790.2	5801.3	6047.8	6608.2	7299.1	7854.0	7925.9	7848.5	7711.4	7765.6	7966.8
60°	5583.5	5602.3	5939.4	6676.7	7647.3	8546.0	8906.4	8842.3	8550.4	8580.3	8802.5
62.5°	5012.0	5038.5	5444.2	6350.6	7676.0	9008.1	9811.7	9770.8	9379.5	9218.1	9284.4
65°	4020.4	4029.3	4449.3	5543.7	7104.5	9065.6	10442.9	10433.0	9958.7	9580.7	9296.6
67.5°	2292.6	2277.2	2838.7	3954.1	5863.2	8318.3	10483.8	10542.4	10146.7	9521.0	8522.8
70°	993.8	996.0	1254.7	1951.1	3794.9	6723.2	9737.7	9838.2	9602.8	8527.2	6780.7
72.5°	459.9	466.5	578.1	844.5	1620.5	4170.8	7940.2	8030.9	7828.6	6824.9	4933.5
75°	325.0	330.5	385.8	484.2	745.1	1625.0	5311.5	5501.7	5600.1	5104.8	3251.0
77.5°	246.5	254.2	281.9	336.0	459.9	575.9	2541.4	2994.6	3567.2	3175.9	1674.7
80°	157.0	157.0	186.8	224.4	280.8	299.6	734.0	870.0	1745.5	1308.8	657.7
82.5°	106.1	109.4	127.1	142.6	161.4	170.2	315.0	336.0	504.1	445.5	270.8
85°	56.4	58.6	66.3	65.2	77.4	67.4	132.7	131.5	184.6	202.3	102.8
87.5°	0.0	0.0	1.1	1.1	2.2	3.3	14.4	15.5	38.7	61.9	34.3
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: P637509
CATALOG NUMBER: GWS-SA4C-830-U-T3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3	1859.3
2.5°	1868.2	1854.9	1861.5	1859.3	1866.0	1866.0	1853.8	1850.5	1851.6	1838.3	1833.9
5°	1884.7	1869.3	1872.6	1868.2	1874.8	1880.3	1874.8	1874.8	1881.4	1871.5	1866.0
7.5°	1922.3	1904.6	1904.6	1899.1	1906.9	1911.3	1906.9	1913.5	1925.6	1915.7	1910.2
10°	1982.0	1961.0	1962.1	1955.5	1958.8	1956.6	1938.9	1933.4	1936.7	1927.9	1923.4
12.5°	2059.4	2030.7	2030.7	2017.4	2009.7	1986.4	1950.0	1936.7	1938.9	1931.2	1927.9
15°	2133.5	2106.9	2101.4	2074.9	2039.5	1996.4	1963.2	1954.4	1956.6	1948.9	1943.3
17.5°	2220.8	2186.5	2166.6	2118.0	2052.8	2008.6	1975.4	1954.4	1936.7	1919.0	1914.6
20°	2301.5	2258.4	2221.9	2146.7	2067.1	2006.3	1944.4	1892.5	1849.4	1826.2	1820.6
22.5°	2384.4	2329.1	2265.0	2166.6	2066.0	1966.5	1852.7	1774.2	1710.1	1675.8	1682.5
25°	2462.9	2393.2	2305.9	2185.4	2030.7	1878.1	1723.4	1606.2	1533.2	1506.7	1499.0
27.5°	2528.1	2441.9	2343.5	2176.6	1957.7	1751.0	1546.5	1416.0	1345.3	1315.5	1307.7
30°	2601.1	2503.8	2397.7	2135.7	1842.7	1573.0	1346.4	1240.3	1189.4	1160.7	1161.8
32.5°	2685.1	2583.4	2473.9	2057.2	1695.7	1380.7	1181.7	1108.7	1067.8	1039.1	1034.7
35°	2797.8	2697.2	2524.8	1938.9	1508.9	1203.8	1068.9	1009.2	958.4	920.8	913.1
37.5°	2937.1	2868.6	2530.3	1780.8	1308.8	1082.2	988.2	924.1	862.2	812.5	807.0
40°	3175.9	3097.4	2485.0	1583.0	1138.6	1003.7	920.8	846.8	774.9	719.6	711.9
42.5°	3516.3	3355.0	2387.7	1359.7	1010.4	941.8	856.7	762.7	689.8	651.1	645.6
45°	3949.7	3642.4	2241.8	1149.6	915.3	881.0	789.3	690.9	652.2	624.6	619.0
47.5°	4480.3	3977.3	2073.8	986.0	841.2	825.7	720.7	666.6	632.3	609.1	603.6
50°	5114.8	4404.0	1935.6	857.8	774.9	761.6	698.6	652.2	624.6	605.8	601.3
52.5°	5838.8	4878.2	1868.2	766.1	717.4	704.2	690.9	648.9	625.7	611.3	605.8
55°	6590.5	5377.9	1805.2	695.3	668.8	676.5	692.0	659.9	642.2	623.5	617.9
57.5°	7316.8	5846.6	1650.4	640.0	633.4	663.3	697.5	671.0	650.0	631.2	624.6
60°	7817.5	6103.0	1388.4	595.8	606.9	646.7	683.2	654.4	627.9	620.1	616.8
62.5°	7952.4	6072.1	1077.8	550.5	574.8	610.2	645.6	626.8	599.1	611.3	612.4
65°	7637.4	5740.5	809.2	506.3	532.8	562.7	606.9	599.1	589.2	622.4	623.5
67.5°	*6745.3*	*4925.8*	*616.8*	*467.6*	*489.7*	*526.2*	*594.7*	*626.8*	*629.0*	*671.0*	*666.6*
70°	5103.7	3679.9	483.1	431.1	456.5	526.2	633.4	647.8	621.2	659.9	651.1
72.5°	3528.5	2428.6	411.2	399.1	415.6	501.9	632.3	632.3	603.6	603.6	587.0
75°	2192.1	1428.2	358.2	358.2	358.2	438.9	614.6	582.6	531.7	508.5	495.2
77.5°	1082.2	694.2	300.7	311.7	299.6	367.0	501.9	476.4	445.5	421.2	412.3
80°	462.1	347.1	243.2	255.4	241.0	276.4	398.0	392.4	362.6	330.5	320.6
82.5°	212.2	179.1	194.6	200.1	175.8	207.8	290.7	290.7	274.1	229.9	213.3
85°	90.6	95.1	134.9	134.9	110.5	117.2	155.9	148.1	132.7	108.3	99.5
87.5°	31.0	46.4	68.5	59.7	23.2	9.9	5.5	2.2	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

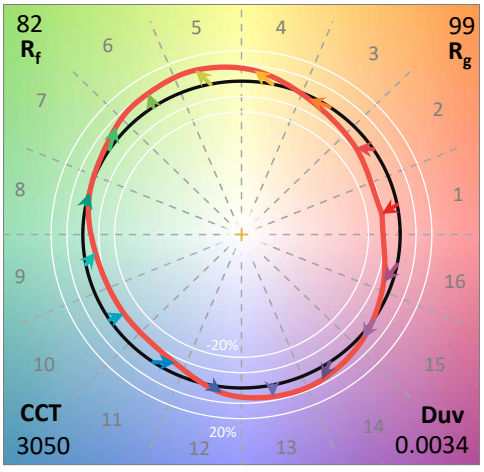
Test Information

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

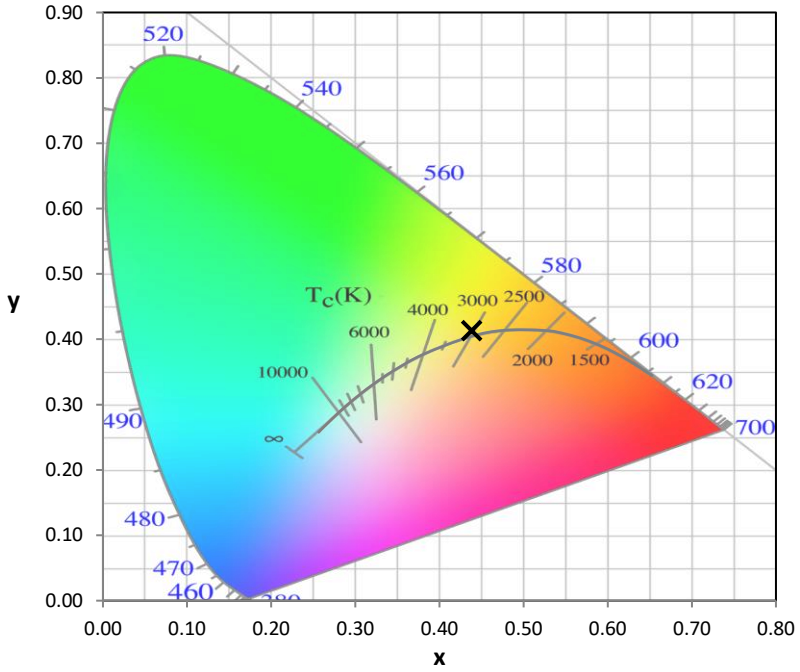
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

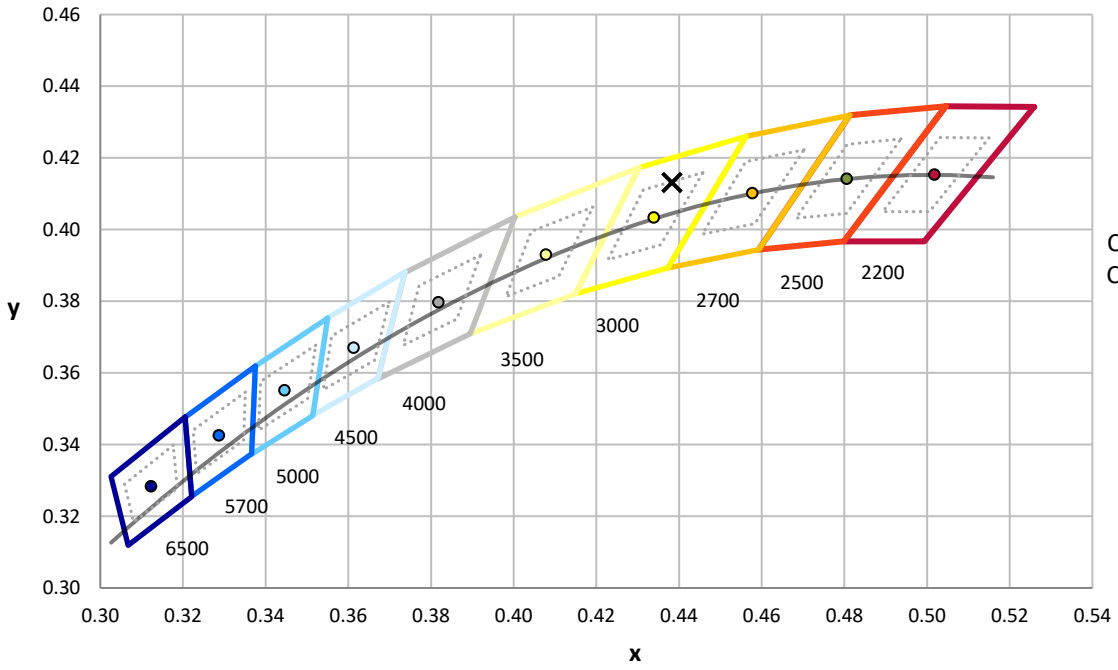
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

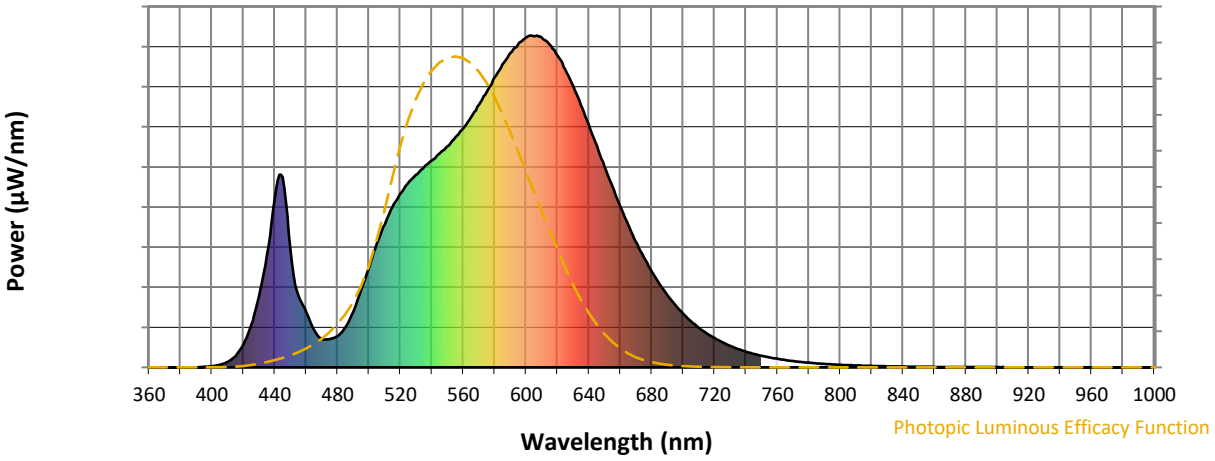


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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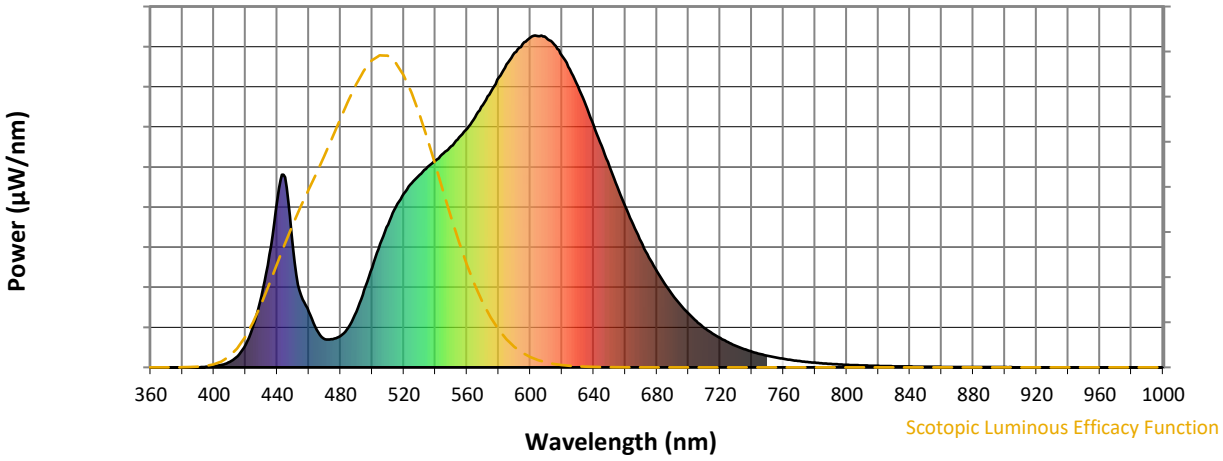
Scotopic Flux vs. Wavelength



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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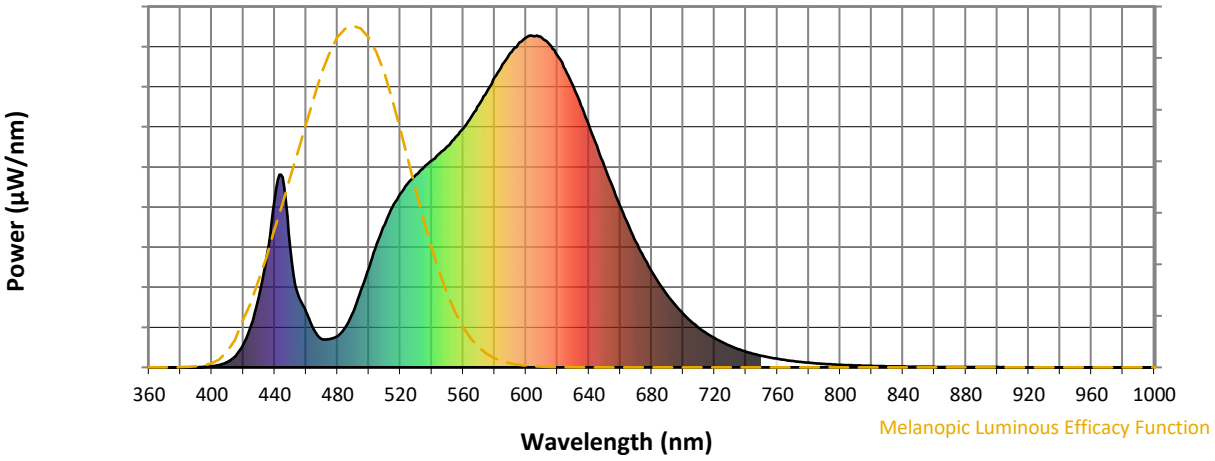
Melanopic Flux vs. Wavelength



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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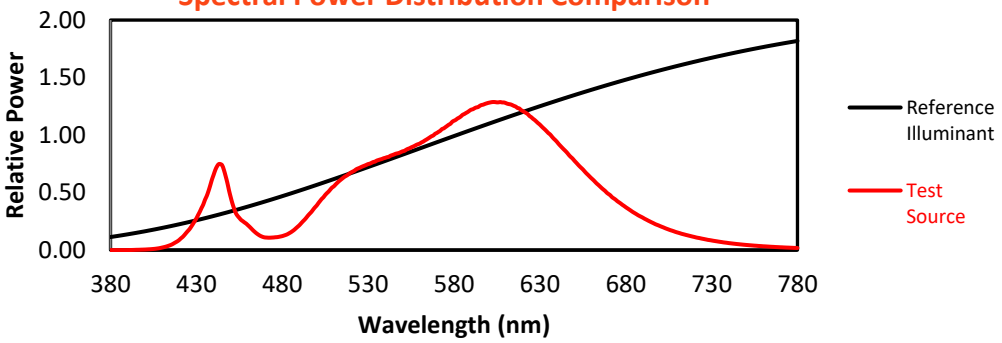
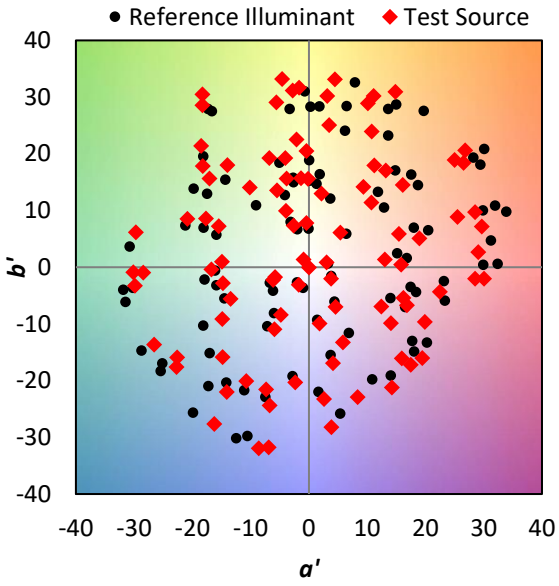
Summary

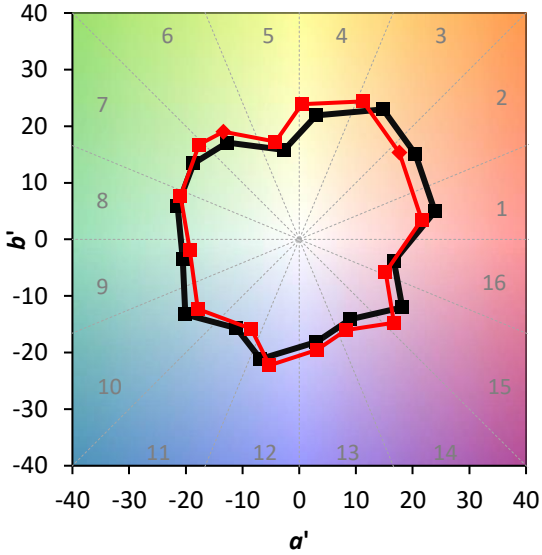
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

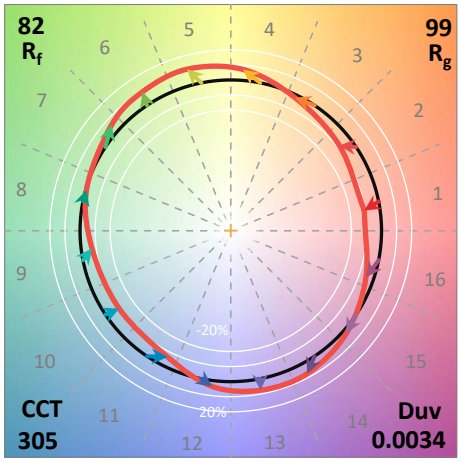
Spectral Power Distribution Comparison

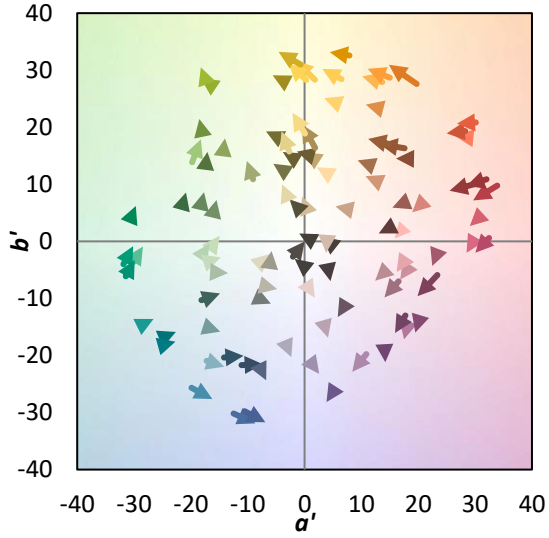


Color Vector Graphics









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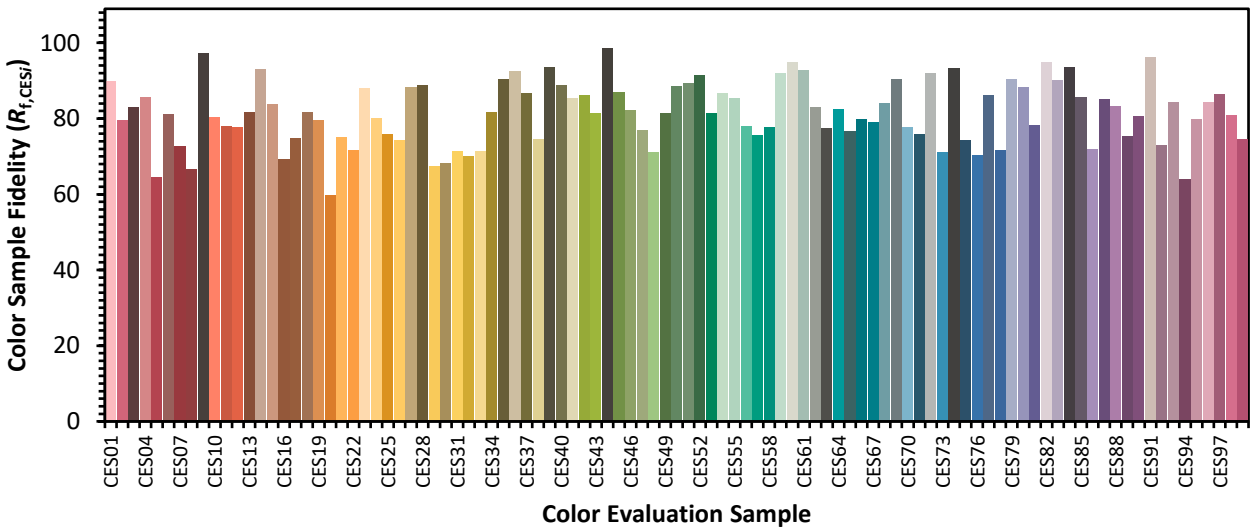
Individual Sample Fidelity Index ($R_{f,i}$)

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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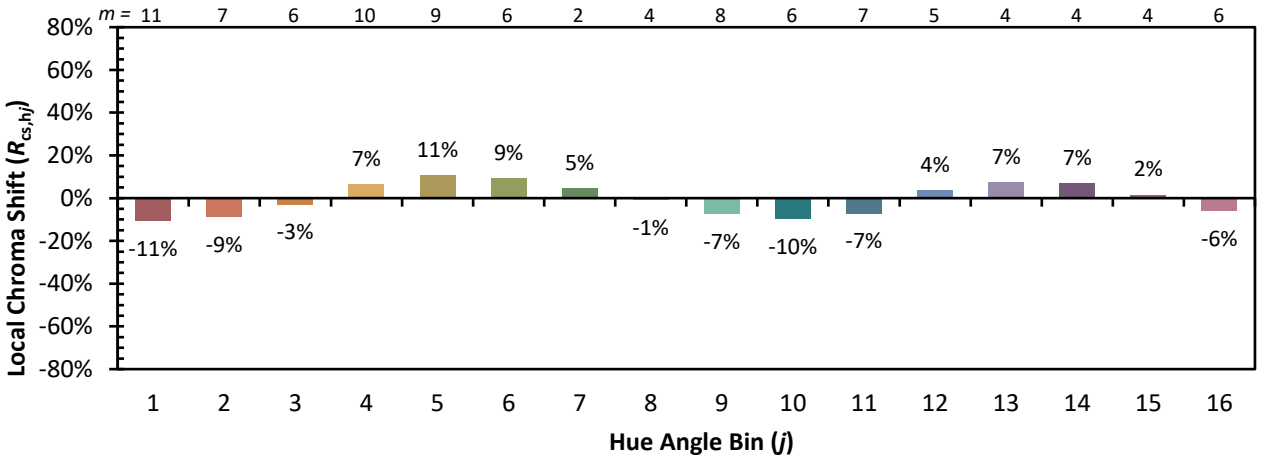
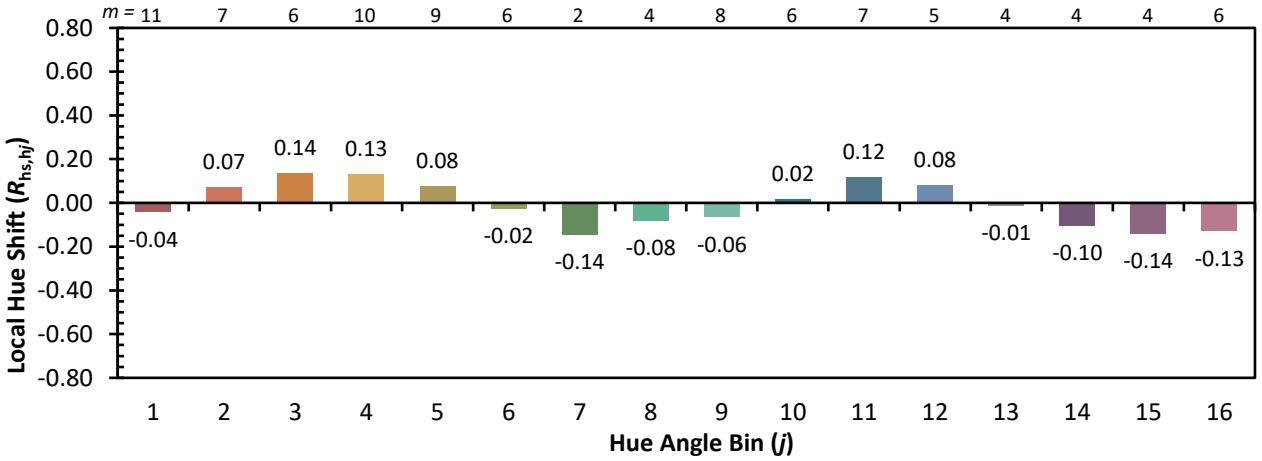
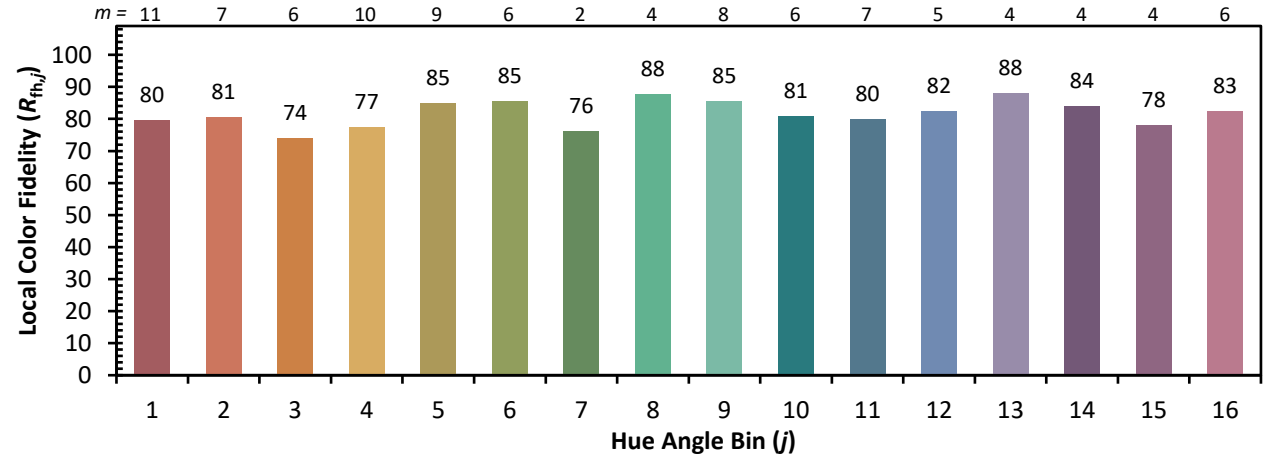
Color Rendition by Hue-Angle Bin







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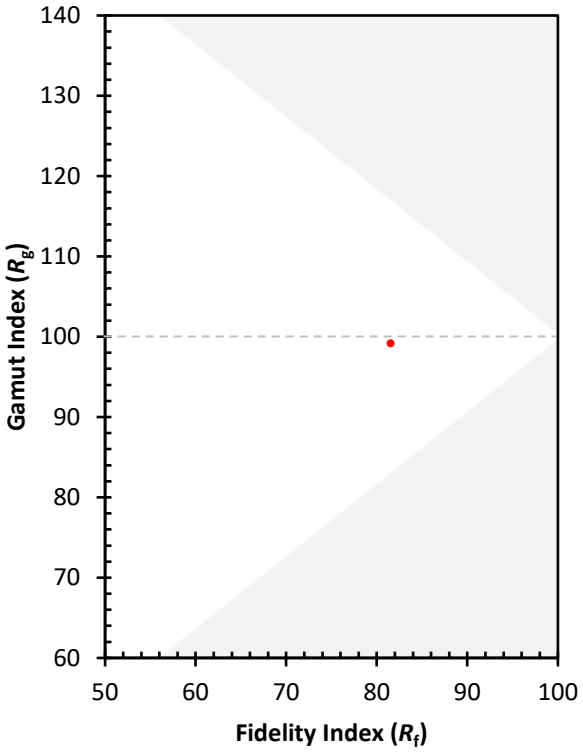
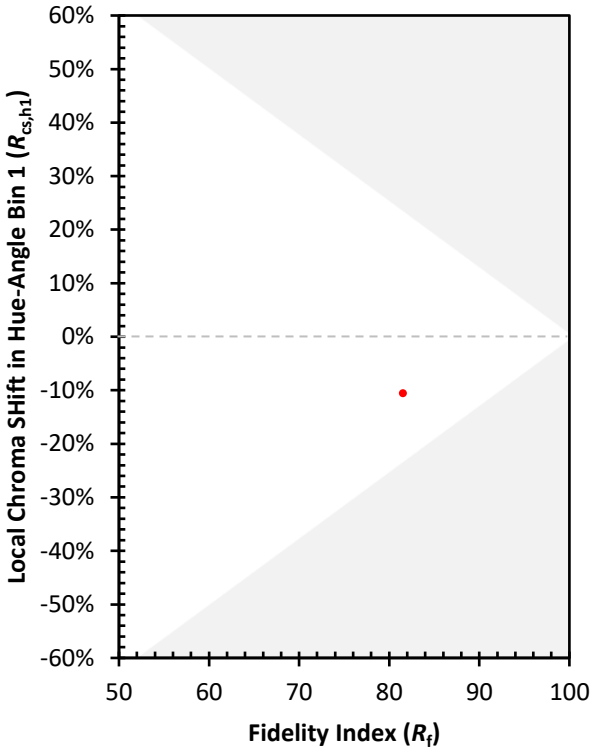
Measure Comparisons





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