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: P635006

Luminaire Tested: GWS-SA3C-830-U-SL2-W-HSS

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:	P635006
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA3C-830-U-SL2-W-HSS
Description:	GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	(48) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8784.3 lumens
Efficiency:	N/A
Efficacy:	94.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	93
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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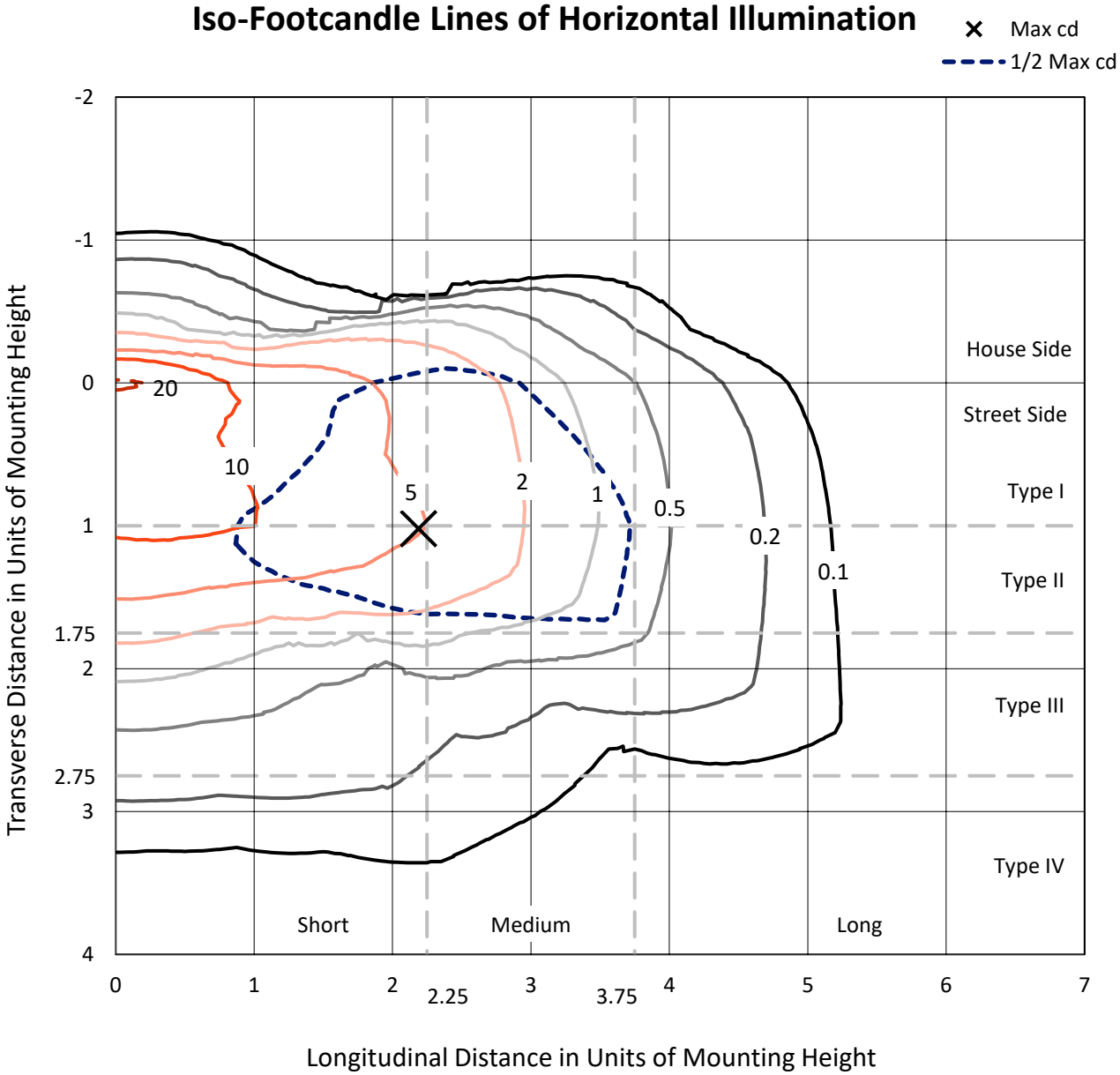
Scaled Data Report

REPORT NUMBER: P635006
CATALOG NUMBER: GWS-SA3C-830-U-SL2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 21.3 fc
Type II - Short - N/A

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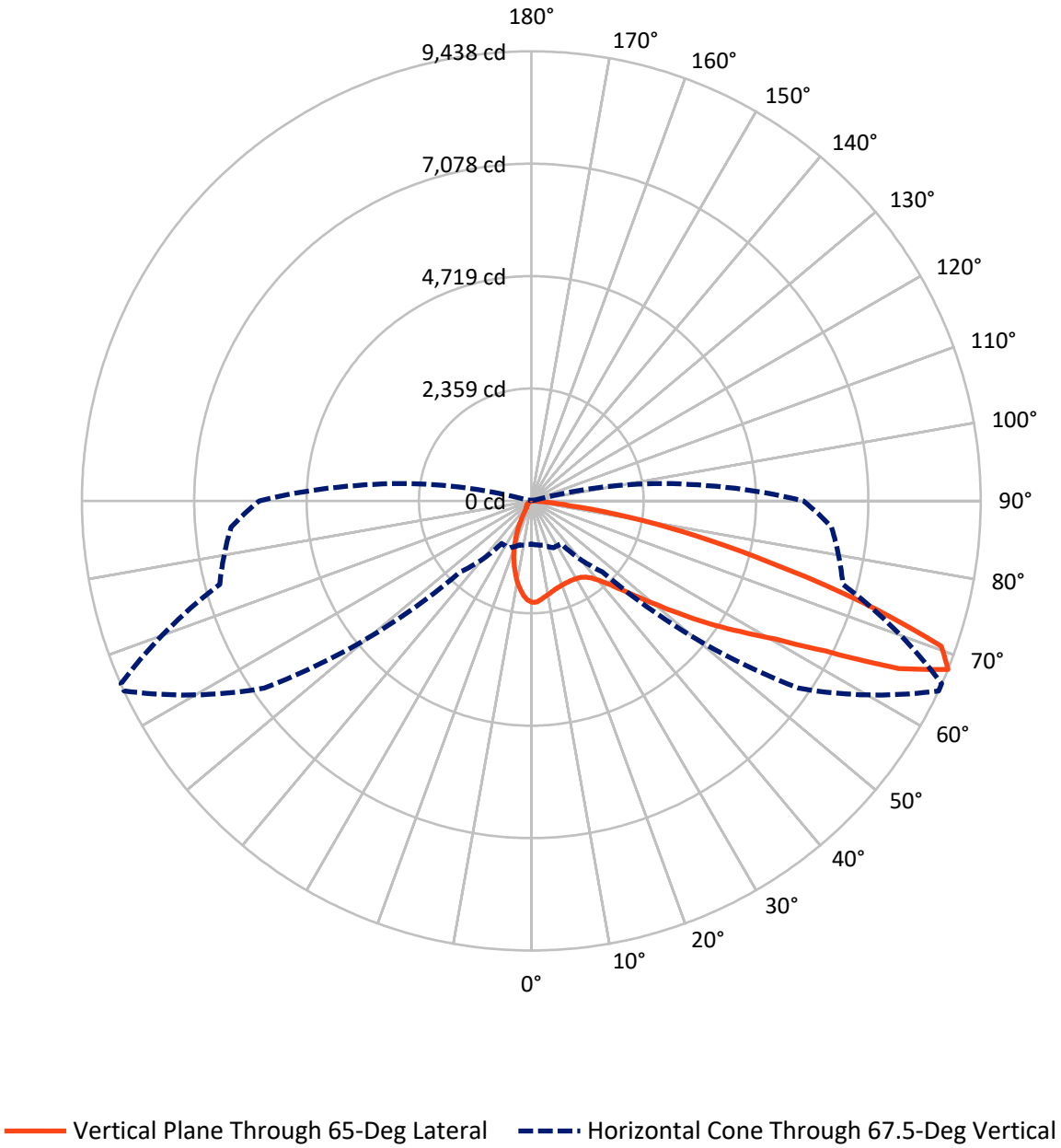
Luminous Intensity Polar Plot



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REPORT NUMBER: P635006
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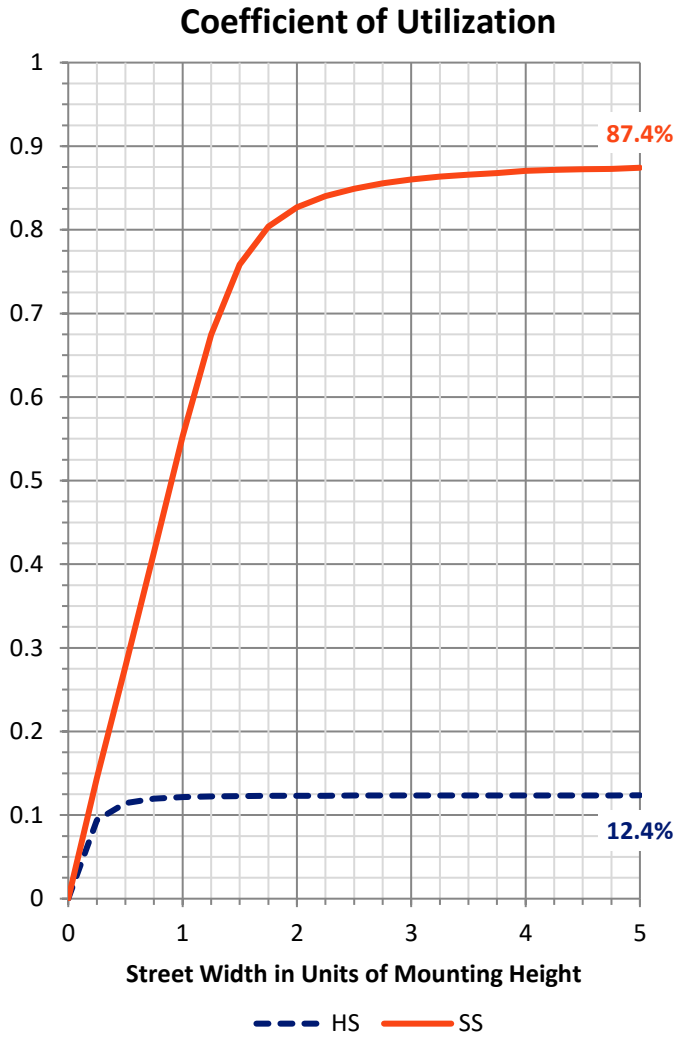
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1096.9	0.0	1096.9
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	7687.4	0.0	7687.4
	% Fixture	87.5	0.0	87.5
Total	Lumens	8784.3	0.0	8784.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.9	2.0
10°-20°	397.8	4.5
20°-30°	568.4	6.5
30°-40°	826.9	9.4
40°-50°	1295.1	14.7
50°-60°	2020.4	23.0
60°-70°	2219.3	25.3
70°-80°	1181.1	13.4
80°-90°	98.3	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°	8784.3	100.0
0°-180°	8784.3	100.0



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REPORT NUMBER: P635006
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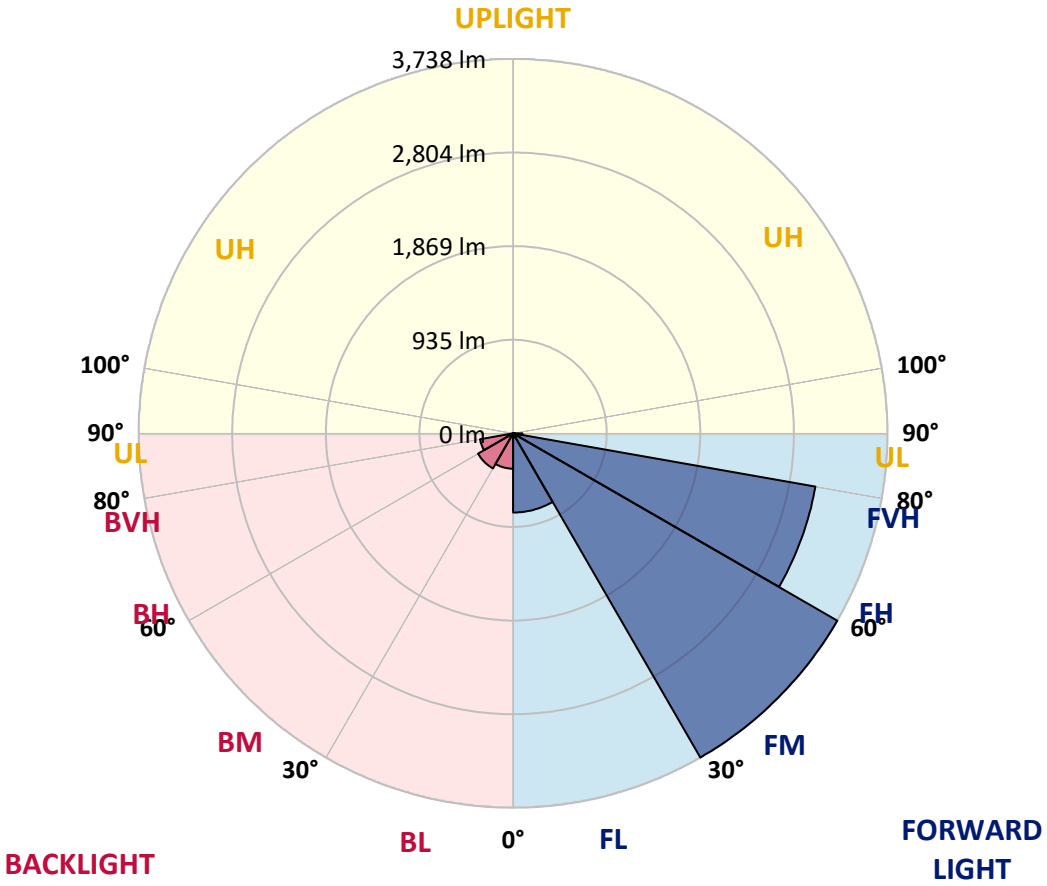
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	790.5	9.0			
FM	(30°-60°)	3738.4	42.6			
FH	(60°-80°)	3065.4	34.9			G2/5000
FVH	(80°-90°)	93.1	1.1			G1/100
BL	(0°-30°)	352.6	4.0	B1/500		
BM	(30°-60°)	404.0	4.6	B1/1000		
BH	(60°-80°)	335.0	3.8	B1/500		G1/500
BVH	(80°-90°)	5.3	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type II Short



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Scaled Data Report

REPORT NUMBER: P635006
CATALOG NUMBER: GWS-SA3C-830-U-SL2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	*2130.5*	2130.5	2130.5	2130.5
2.5°	2056.6	2062.9	2054.2	2075.7	2079.6	2103.5	2117.0	*2126.5*	2125.7	2137.6	2137.6
5°	1935.9	1942.2	1937.4	1960.5	1978.7	2016.1	2047.1	*2082.8*	2084.4	2120.9	2134.4
7.5°	1833.4	1834.2	1834.2	1862.8	1886.6	1932.7	1978.7	*2033.6*	2039.9	2096.3	2132.1
10°	1749.2	1751.6	1752.4	1784.9	1811.1	1866.7	1925.5	*1991.5*	1998.6	2074.9	2130.5
12.5°	1691.2	1692.0	1695.2	1729.3	1757.9	1815.9	1875.5	*1950.9*	1960.5	2050.2	2123.3
15°	1663.4	1661.8	1663.4	1692.0	1720.6	1776.2	1837.4	*1918.4*	1928.7	2029.6	2124.1
17.5°	1661.8	1659.4	1657.8	1679.3	1697.5	1746.8	1808.8	*1896.9*	1908.0	2020.1	2132.9
20°	1684.8	1683.2	1675.3	1684.8	1688.8	1729.3	1790.5	*1880.2*	1891.4	2018.5	2151.9
22.5°	1745.2	1741.2	1729.3	1720.6	1699.1	1723.0	1777.8	*1868.3*	1881.0	2022.4	2176.5
25°	1835.0	1833.4	1818.3	1796.8	1742.0	1732.5	1778.6	*1868.3*	1880.2	2027.2	2202.8
27.5°	1970.0	1960.5	1941.4	1904.1	1825.4	1769.8	1794.5	*1873.1*	1885.0	2033.6	2224.2
30°	2107.4	2106.6	2100.3	2062.2	1945.4	1841.3	1827.8	*1885.8*	1896.9	2039.1	2244.1
32.5°	2249.6	2252.0	2267.9	2238.5	2110.6	1947.8	1888.2	*1912.0*	1920.0	2050.2	2261.5
35°	2384.7	2389.4	2431.5	2441.9	2311.6	2109.0	1986.7	*1964.4*	1965.2	2074.9	2284.6
37.5°	2514.1	2530.0	2597.6	2647.6	2561.8	2304.4	2128.9	*2053.4*	2047.1	2124.1	2319.5
40°	2661.1	2691.3	2776.3	2861.3	2834.3	2562.6	2322.7	*2190.0*	2176.5	2214.7	2382.3
42.5°	2823.9	2856.5	2969.3	3088.5	3101.2	2874.8	2565.0	*2389.4*	2366.4	2367.2	2499.8
45°	2998.7	3042.4	3173.5	3345.0	3422.1	3222.7	2863.7	*2658.7*	2635.7	2601.5	2688.9
47.5°	3228.3	3266.4	3392.7	3590.5	3738.3	3596.1	3255.3	*3005.1*	2963.0	2912.9	2982.8
50°	3426.1	3459.4	3568.3	3816.1	4123.5	4077.4	3699.3	*3438.0*	3397.5	3312.5	3370.5
52.5°	3469.8	3496.0	3596.1	3874.9	4418.2	4685.1	4243.5	*3961.5*	3932.9	3775.6	3797.8
55°	3273.6	3313.3	3403.0	3712.8	4495.3	5279.3	4949.6	*4551.7*	4492.1	4241.1	4280.8
57.5°	2777.9	2848.6	2932.8	3335.5	4286.4	5595.5	5936.2	*5176.8*	5122.8	4689.1	4689.9
60°	2035.9	2093.1	2149.5	2518.1	3790.7	5574.0	6831.5	*5879.0*	5780.5	5055.3	5041.8
62.5°	1480.7	1510.1	1509.3	1640.4	2603.1	5207.0	7301.7	*6937.1*	6707.6	5446.9	5369.9
65°	1164.5	1163.7	1197.9	1240.8	1453.7	4019.5	7359.7	*8482.2*	8234.3	5972.0	5811.5
67.5°	*906.4*	*923.8*	*958.0*	*1084.3*	*1092.2*	*2103.5*	*6849.8*	*9437.8*	*9433.0*	*6773.5*	*6328.7*
70°	699.0	722.9	771.3	955.6	1008.8	1177.2	5125.2	*9135.1*	9212.2	7131.8	5962.5
72.5°	448.8	447.2	518.7	772.1	969.1	981.0	2834.3	*7256.5*	7343.8	6459.7	4821.0
75°	251.0	252.6	293.1	472.6	903.2	923.0	1403.6	*5174.5*	5243.6	5036.2	3704.1
77.5°	98.5	101.7	137.4	248.6	595.8	824.5	834.1	*3528.5*	3538.9	3121.0	2271.9
80°	39.7	42.1	69.9	154.1	363.0	555.3	595.8	*2078.8*	2036.7	1208.2	660.9
82.5°	11.9	12.7	27.8	87.4	189.9	394.8	401.9	*797.5*	753.1	259.8	168.4
85°	0.8	0.8	6.4	27.0	67.5	99.3	267.7	*259.8*	230.4	65.1	74.7
87.5°	0.0	0.0	0.8	0.8	1.6	3.2	28.6	*47.7*	48.5	11.9	33.4
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: P635006
CATALOG NUMBER: GWS-SA3C-830-U-SL2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5
2.5°	2137.6	2109.0	2106.6	2084.4	2062.2	2034.4	2001.8	1978.0	1961.3	1931.9	1926.3
5°	2134.4	2096.3	2060.6	1997.0	1926.3	1850.1	1783.3	1721.4	1682.5	1656.2	1645.1
7.5°	2128.1	2079.6	1997.0	1877.1	1758.7	1625.3	1521.2	1425.9	1360.7	1322.6	1305.9
10°	2123.3	2058.2	1923.9	1742.0	1558.5	1374.2	1216.2	1074.8	996.1	934.2	923.8
12.5°	2113.8	2027.2	1830.2	1584.0	1347.2	1102.6	900.8	727.6	607.7	553.7	534.6
15°	2104.3	1994.6	1736.5	1417.1	1116.9	815.0	570.3	403.5	320.9	295.5	293.9
17.5°	2102.7	1965.2	1634.8	1259.1	875.4	533.8	324.9	261.3	243.9	237.5	237.5
20°	2107.4	1940.6	1534.7	1077.2	637.9	324.9	242.3	226.4	216.1	210.5	210.5
22.5°	2112.2	1915.2	1438.6	893.7	423.4	237.5	213.7	200.2	188.3	181.9	178.7
25°	2115.4	1887.4	1332.1	709.4	276.4	206.5	187.5	170.0	155.7	147.8	147.8
27.5°	2114.6	1854.0	1224.9	529.0	214.5	183.5	160.5	142.2	127.9	119.2	119.9
30°	2108.2	1817.5	1113.7	369.4	187.5	160.5	137.4	118.4	104.1	96.9	96.1
32.5°	2103.5	1778.6	985.0	259.8	168.4	140.6	116.8	98.5	86.6	81.0	80.2
35°	2097.9	1740.4	862.7	197.8	151.7	121.5	98.5	83.4	73.9	69.1	69.1
37.5°	2099.5	1700.7	730.0	170.0	135.0	105.6	84.2	71.5	63.5	58.8	58.0
40°	2124.1	1676.9	599.7	154.1	119.9	91.4	73.1	62.0	54.0	49.3	48.5
42.5°	2185.3	1677.7	475.0	142.2	106.4	77.8	63.5	53.2	46.1	40.5	39.7
45°	2307.6	1711.0	364.6	129.5	92.1	67.5	54.8	45.3	38.1	33.4	32.6
47.5°	2507.8	1810.3	276.4	118.4	80.2	58.8	46.9	38.1	31.8	27.8	27.0
50°	2826.3	1989.9	217.7	104.9	67.5	50.8	39.7	31.8	26.2	22.2	21.4
52.5°	3209.2	2259.2	186.7	92.9	58.0	44.5	34.2	26.2	21.4	18.3	17.5
55°	3649.3	2580.9	172.4	81.0	49.3	38.1	27.8	21.4	17.5	15.1	13.5
57.5°	4052.8	2870.8	171.6	69.1	42.1	32.6	23.0	18.3	15.1	11.9	11.1
60°	4446.0	3113.1	161.3	57.2	36.5	27.0	19.9	15.1	12.7	10.3	9.5
62.5°	4802.7	3310.1	135.0	46.1	31.0	22.2	16.7	13.5	11.1	8.7	8.7
65°	5250.7	3561.1	103.3	37.3	25.4	18.3	14.3	11.9	10.3	7.9	7.9
67.5°	*5713.8*	*3693.8*	*73.9*	*31.0*	*20.7*	*15.9*	*12.7*	*11.1*	*8.7*	*7.1*	*7.1*
70°	5175.2	3121.0	53.2	25.4	17.5	13.5	11.1	10.3	8.7	7.1	6.4
72.5°	4041.7	2250.4	39.7	19.9	15.1	12.7	10.3	9.5	7.9	6.4	6.4
75°	2997.1	1312.3	30.2	15.9	11.9	10.3	10.3	9.5	7.9	6.4	5.6
77.5°	1629.2	457.6	23.0	12.7	9.5	7.9	8.7	8.7	7.1	5.6	4.8
80°	431.3	125.5	15.9	9.5	7.9	6.4	6.4	7.9	6.4	4.8	4.8
82.5°	125.5	36.5	11.1	7.9	6.4	5.6	5.6	5.6	4.8	4.0	3.2
85°	61.2	13.5	7.9	6.4	5.6	4.8	4.0	4.0	3.2	2.4	2.4
87.5°	27.0	5.6	6.4	5.6	5.6	4.0	3.2	2.4	2.4	1.6	0.8
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

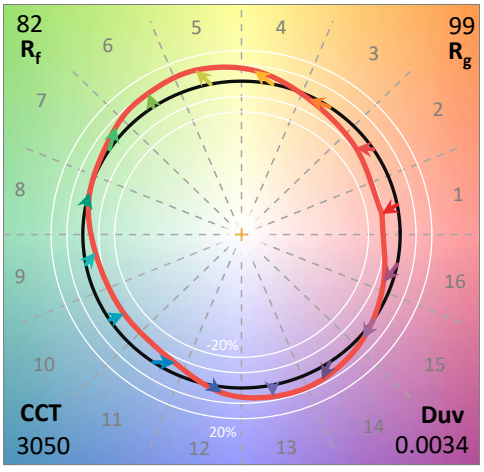
Test Information

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

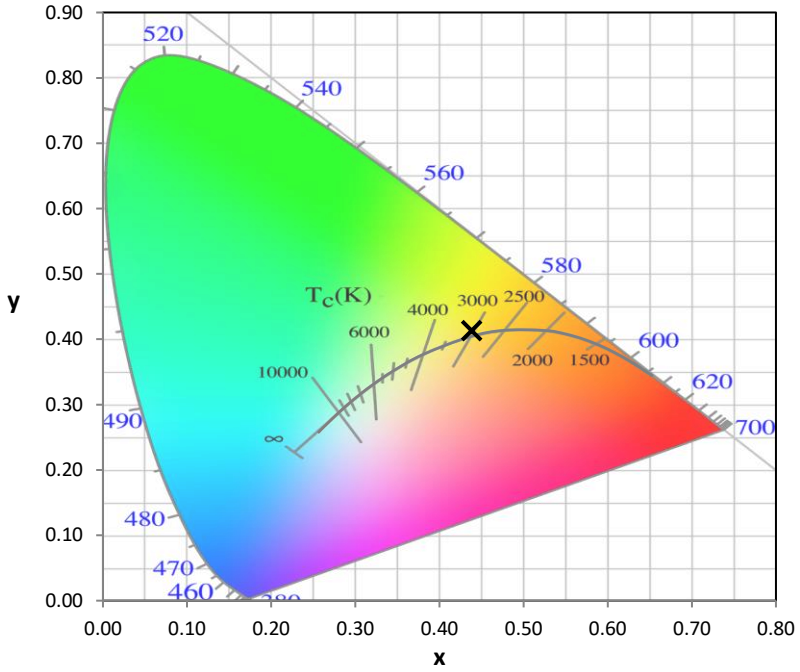
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

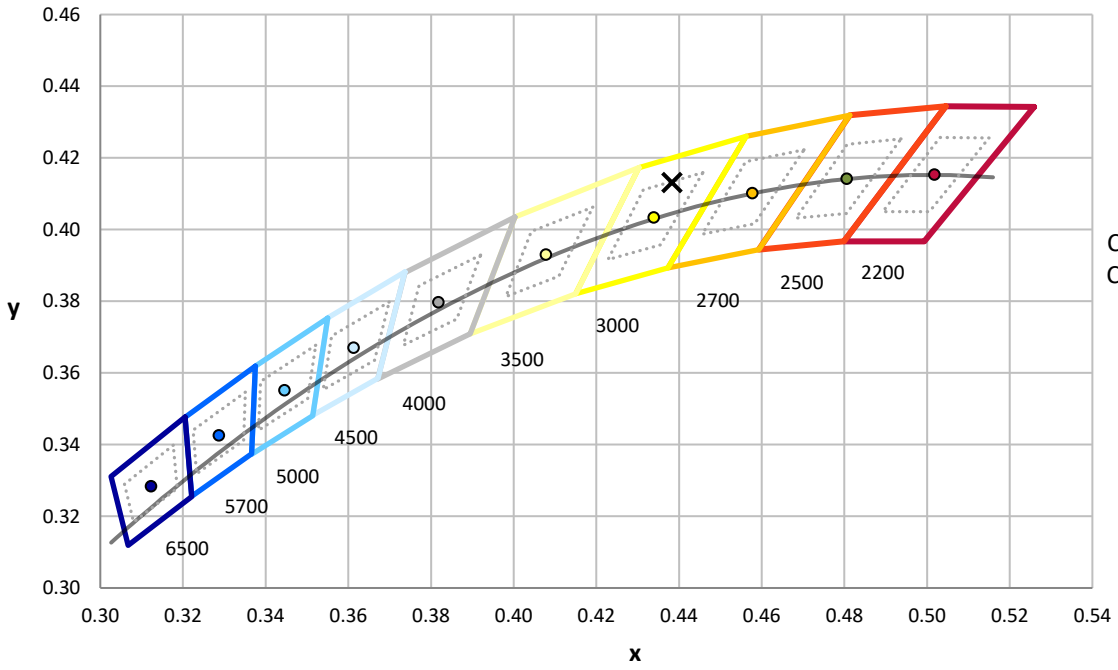
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

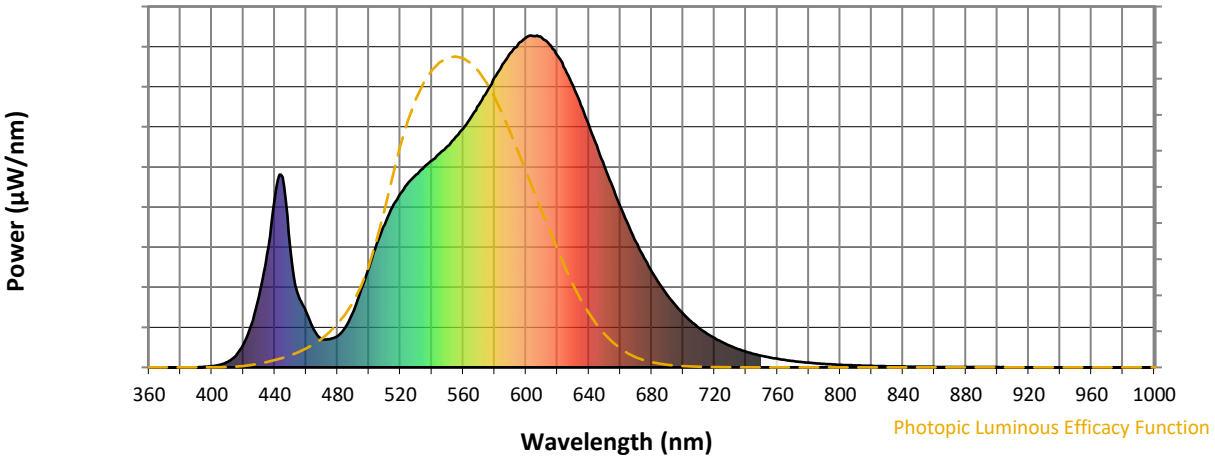


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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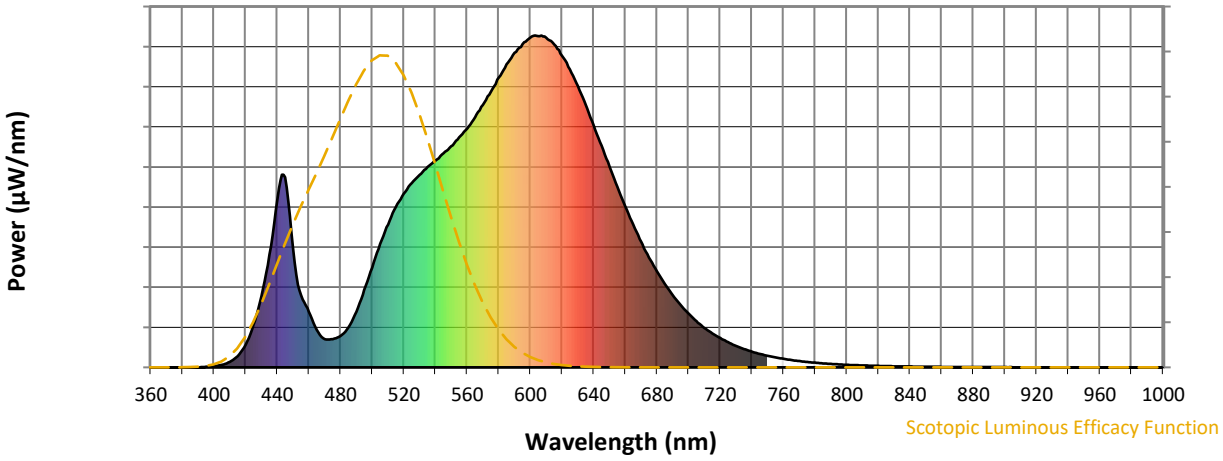
Scotopic Flux vs. Wavelength



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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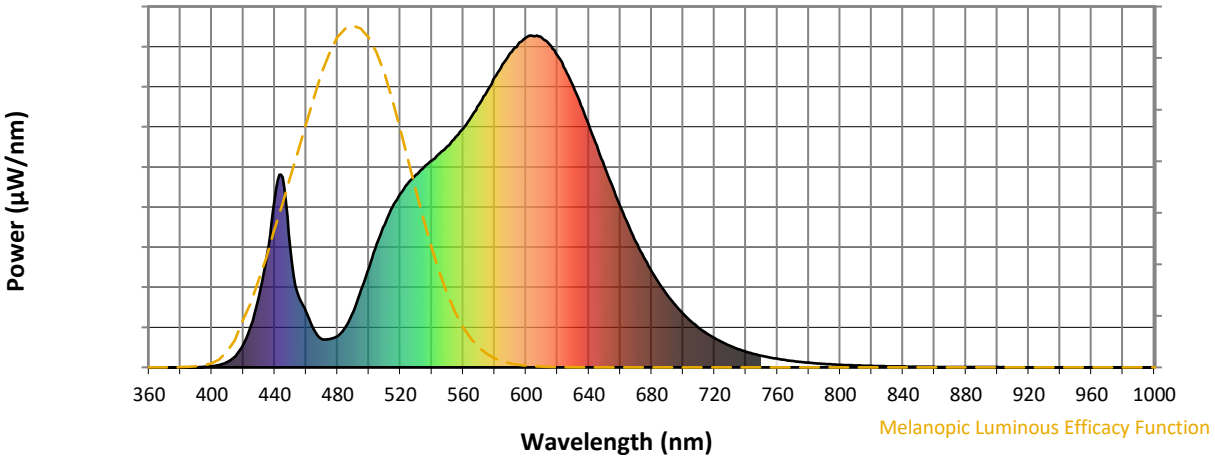
Melanopic Flux vs. Wavelength



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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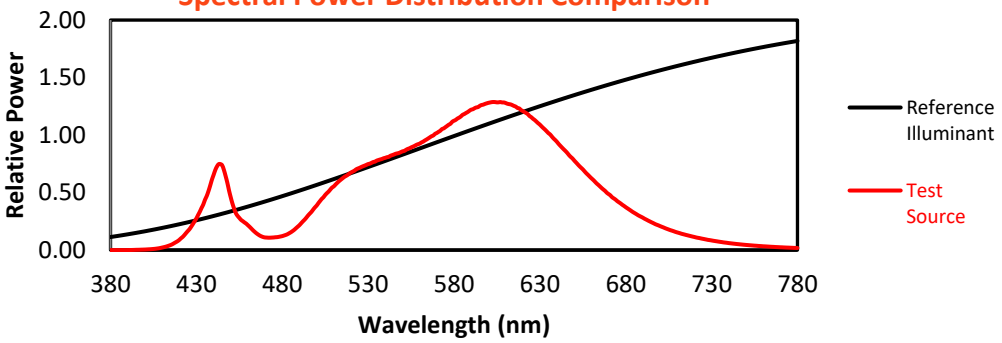
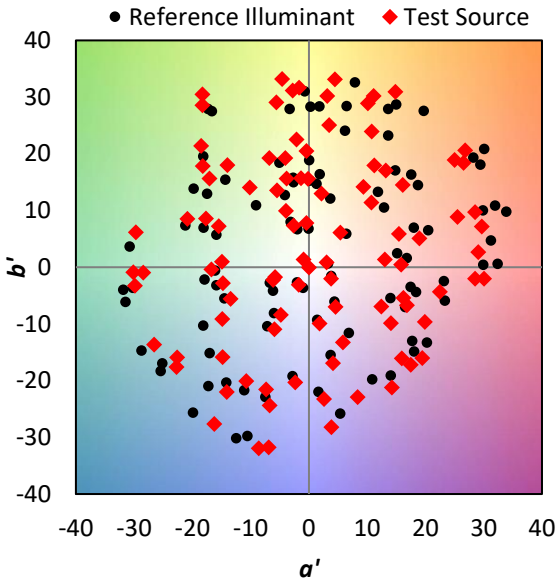
Summary

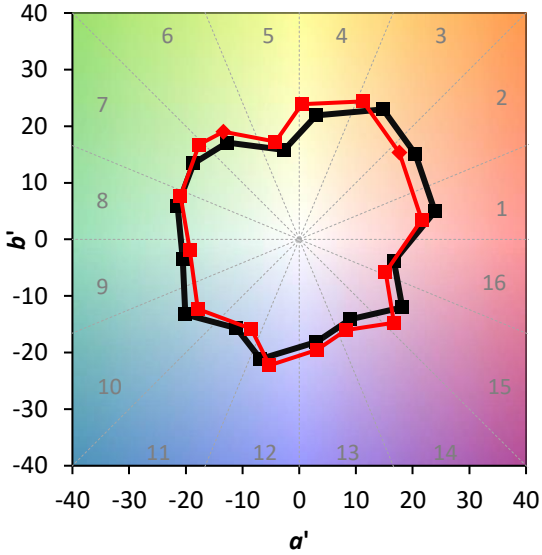
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

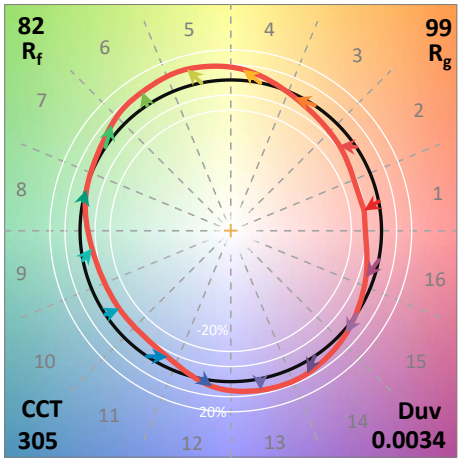
Spectral Power Distribution Comparison

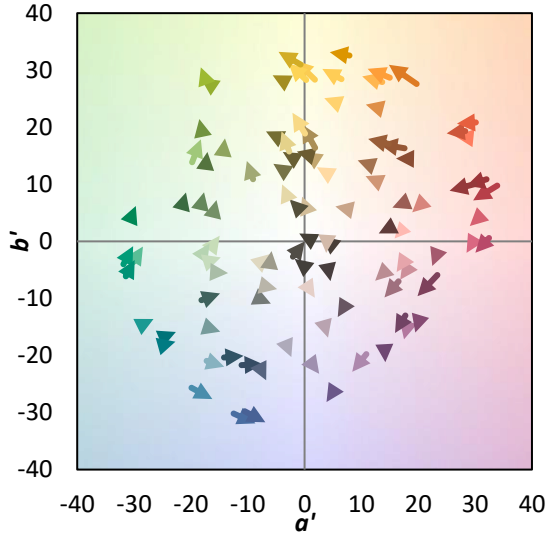


Color Vector Graphics









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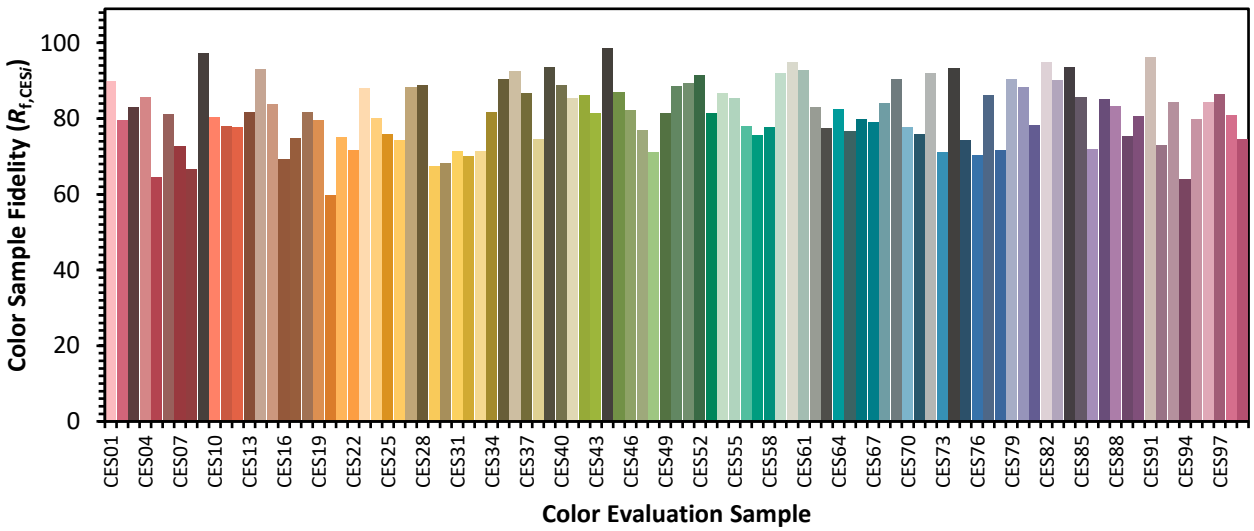
Individual Sample Fidelity Index ($R_{f,i}$)

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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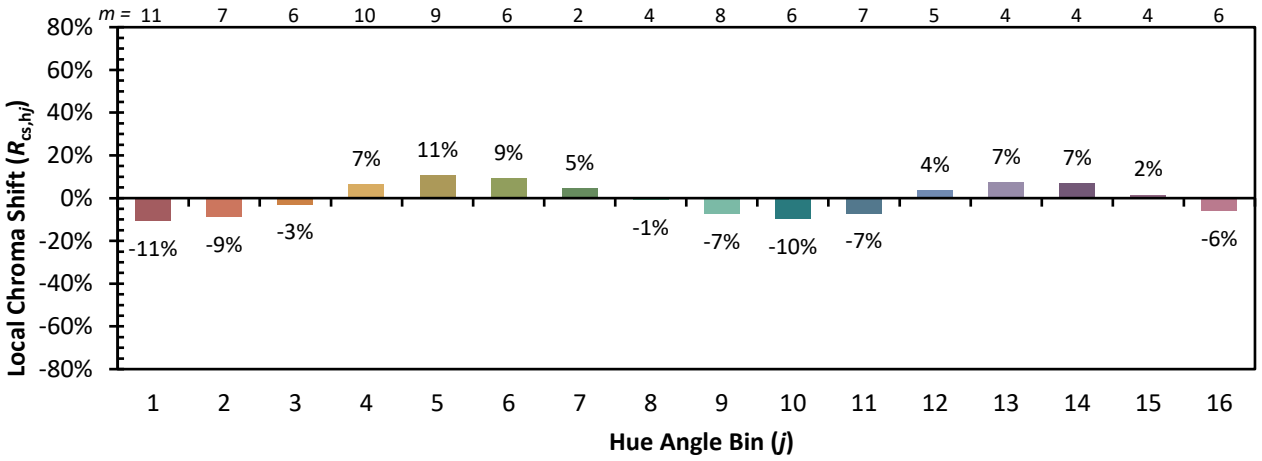
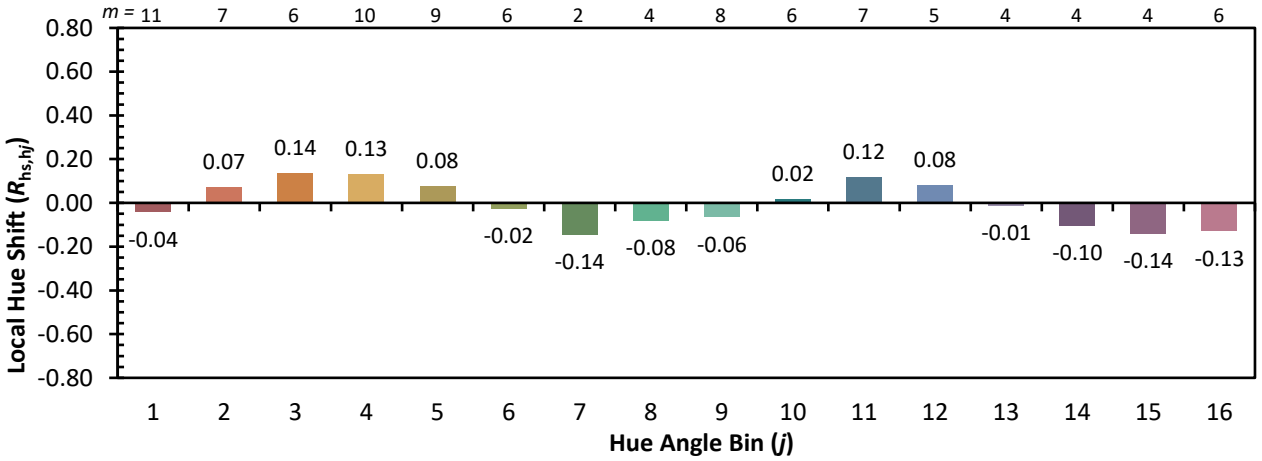
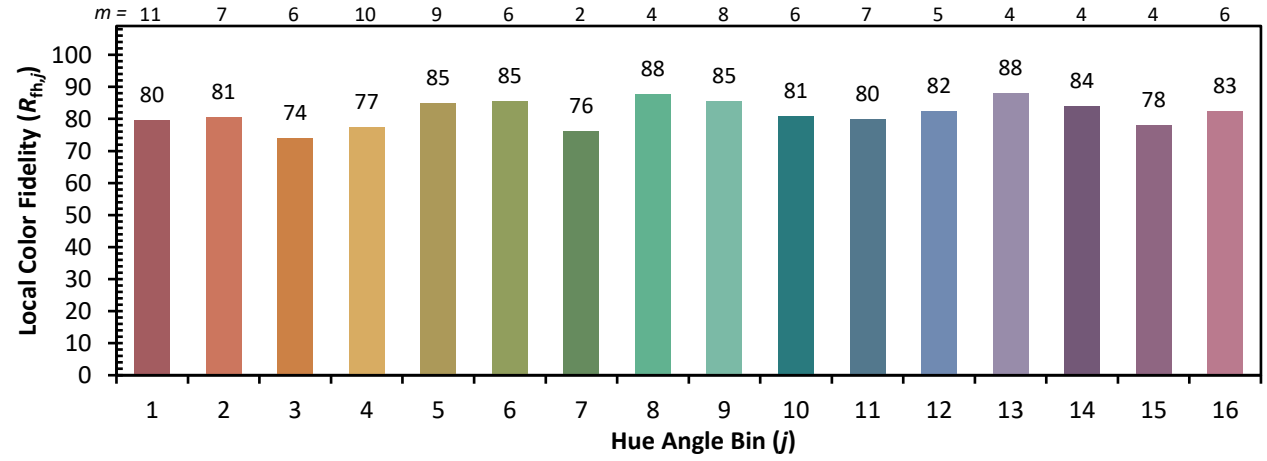
Color Rendition by Hue-Angle Bin







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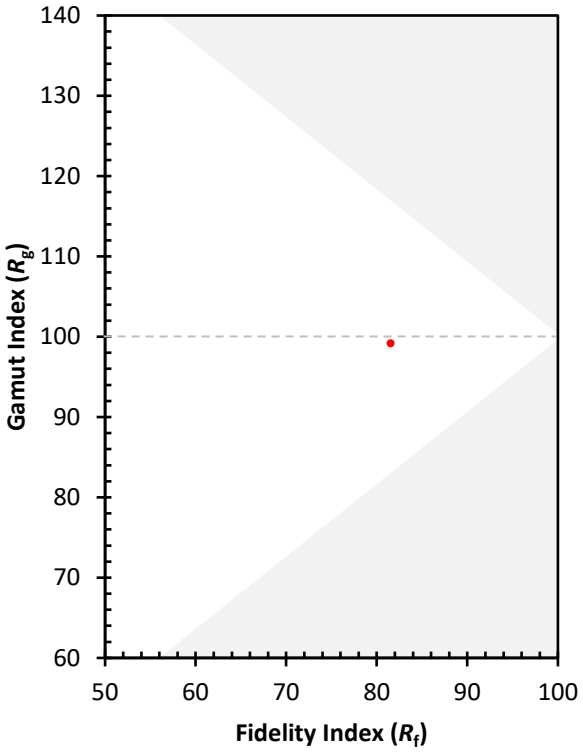
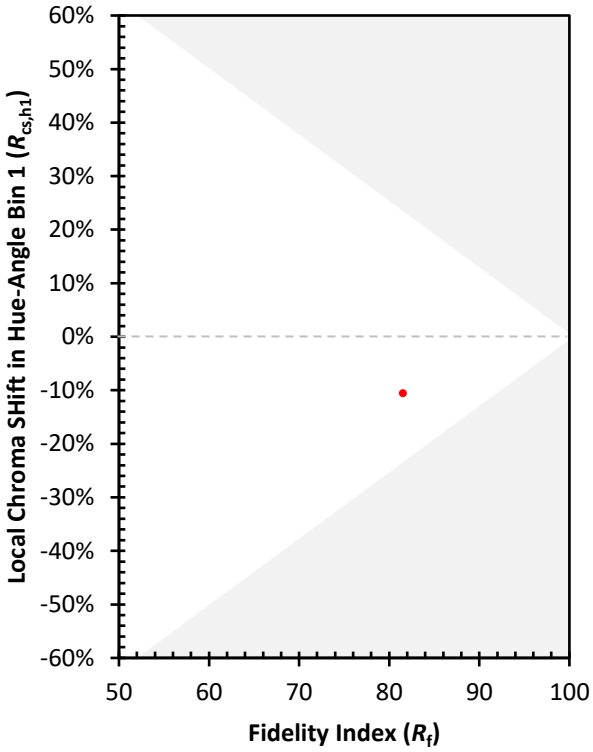
Measure Comparisons





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