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: P643940

Luminaire Tested: GWS-SA6F-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:	P643940
	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-SA6F-830-U-T2R-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	40314.8 lumens
Efficiency:	N/A
Efficacy:	108.2 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G4

Input Watts (W):	372.6
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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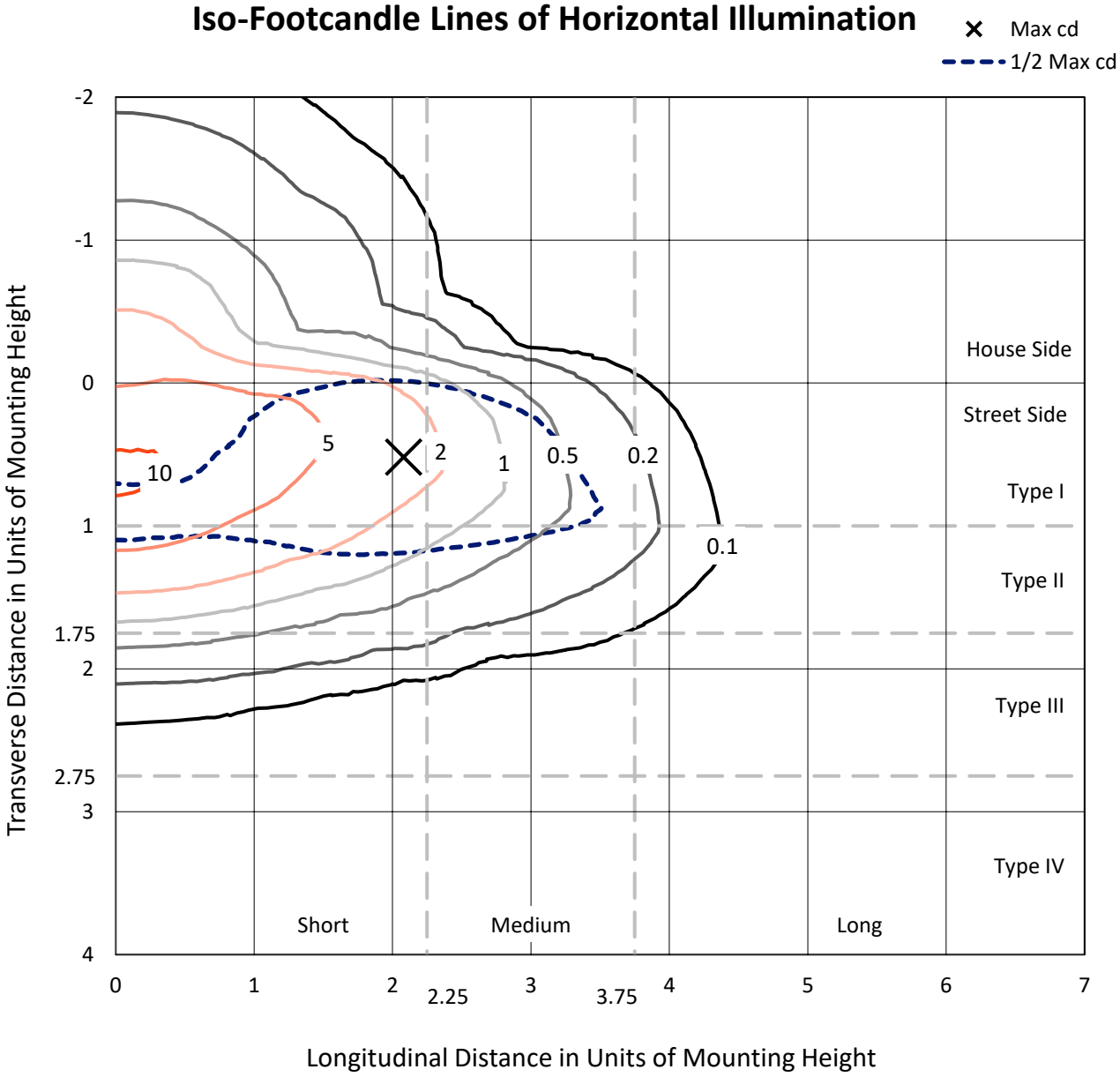
REPORT NUMBER: P643940
CATALOG NUMBER: GWS-SA6F-830-U-T2R-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 30 foot mounting height. Maximum calculated value = 11 fc
Type II - Short - N/A

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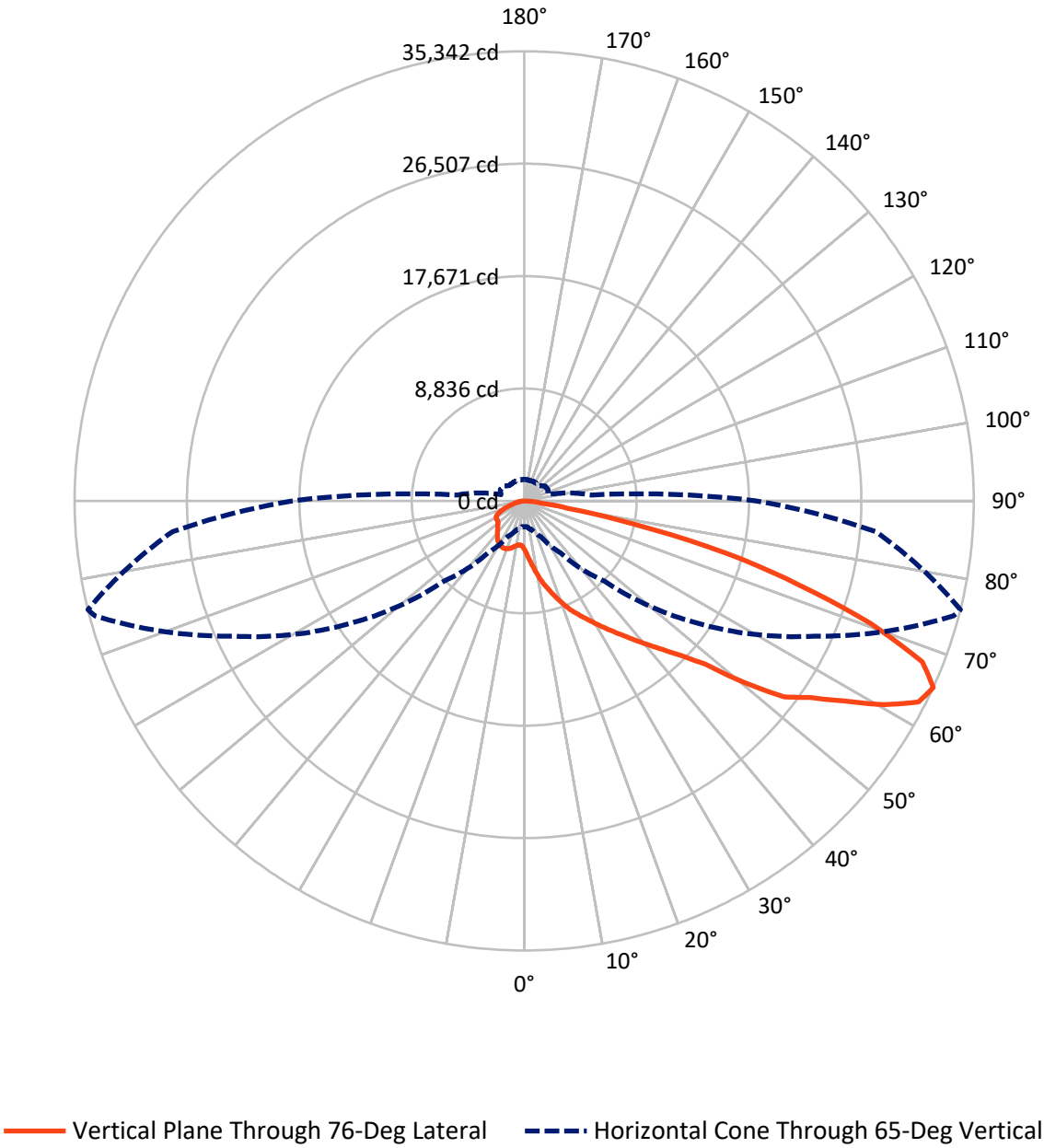
Luminous Intensity Polar Plot



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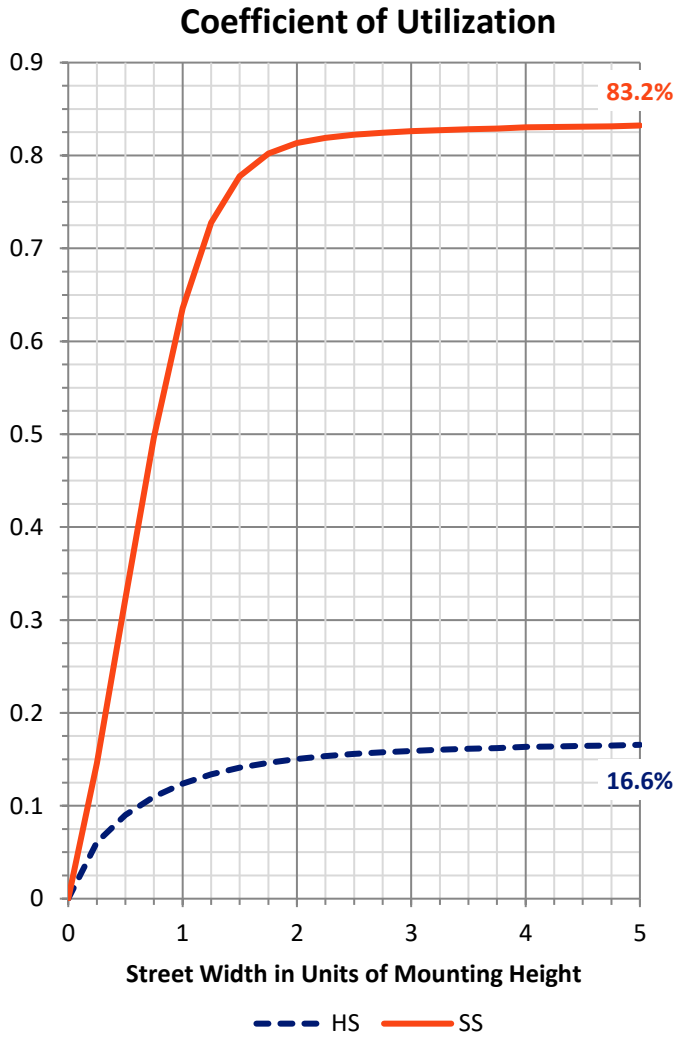
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6738.6	0.0	6738.6
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	33576.1	0.0	33576.1
	% Fixture	83.3	0.0	83.3
Total	Lumens	40314.8	0.0	40314.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.6	1.1
10°-20°	1727.6	4.3
20°-30°	3366.8	8.4
30°-40°	5630.7	14.0
40°-50°	8062.1	20.0
50°-60°	9544.4	23.7
60°-70°	7936.2	19.7
70°-80°	3247.7	8.1
80°-90°	345.8	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°	40314.8	100.0
0°-180°	40314.8	100.0



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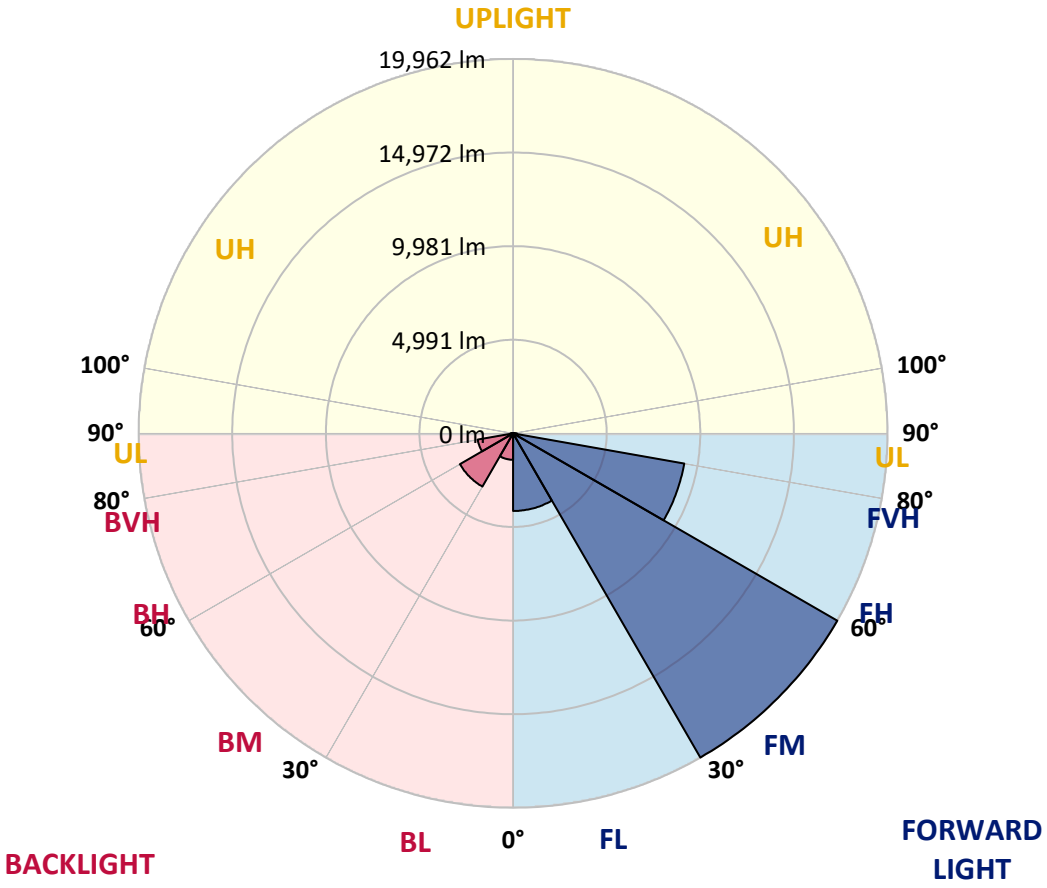
REPORT NUMBER: P643940
CATALOG NUMBER: GWS-SA6F-830-U-T2R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	4138.2	10.3			
FM	(30°-60°)	19962.4	49.5			
FH	(60°-80°)	9269.4	23.0			G4/12000
FVH	(80°-90°)	206.2	0.5			G2/225
BL	(0°-30°)	1409.7	3.5	B3/2500		
BM	(30°-60°)	3274.8	8.1	B3/5000		
BH	(60°-80°)	1914.5	4.7	B3/2500		G3/2500
BVH	(80°-90°)	139.5	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type II Short



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REPORT NUMBER: P643940
CATALOG NUMBER: GWS-SA6F-830-U-T2R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7	*3817.7*	3817.7
2.5°	5351.0	5370.8	5305.6	5282.9	5129.9	4923.0	4750.1	4489.4	4248.5	*4211.6*	3996.2
5°	6796.4	6711.4	6637.7	6589.5	6376.9	6141.7	5776.1	5285.8	4772.8	*4710.4*	4245.6
7.5°	7655.2	7641.0	7550.3	7522.0	7357.6	7122.3	6745.4	6136.0	5390.6	*5288.6*	4582.9
10°	8343.9	8335.4	8290.0	8315.5	8165.3	7935.7	7570.1	6940.9	6068.0	*5966.0*	4959.8
12.5°	8944.7	8958.9	8950.4	9043.9	8967.4	8788.8	8409.1	7717.5	6745.4	*6634.9*	5419.0
15°	9384.0	9395.4	9437.9	9641.9	9684.4	9647.6	9262.2	8479.9	7414.3	*7255.5*	5892.3
17.5°	9508.7	9531.4	9633.4	9962.2	10191.8	10344.8	10058.6	9256.5	8071.8	*7898.9*	6374.1
20°	9675.9	9701.5	9803.5	10146.4	10483.7	10832.3	10781.3	10044.4	8735.0	*8593.3*	6861.6
22.5°	10449.7	10429.8	10384.5	10548.9	10789.8	11223.4	11351.0	10801.1	9420.9	*9284.8*	7400.1
25°	11940.5	11903.6	11614.5	11464.3	11385.0	11648.5	11875.3	11489.8	10089.7	*9885.7*	7901.7
27.5°	13584.3	13564.5	13196.0	12838.9	12351.4	12238.1	12371.3	12090.7	10738.8	*10531.9*	8338.2
30°	15140.3	15080.8	14695.3	14247.5	13595.6	13108.2	12912.6	12680.2	11450.2	*11234.8*	8848.4
32.5°	16531.9	16455.3	16001.9	15505.9	14822.8	14247.5	13663.7	13306.6	12255.1	*12005.7*	9369.9
35°	17674.0	17597.5	17132.7	16605.6	15854.5	15429.4	14630.1	13986.8	13074.1	*12821.9*	9984.9
37.5°	18558.3	18487.5	18002.8	17484.2	16829.5	16492.2	15797.8	14752.0	14017.9	*13754.4*	10636.7
40°	19054.3	19003.3	18615.0	18204.0	17654.2	17362.3	17050.5	15718.5	15075.1	*14811.5*	11404.8
42.5°	19204.5	19170.5	18898.4	18685.9	18314.6	18093.5	18272.1	16855.0	16203.1	*15973.5*	12269.2
45°	18827.6	18827.6	18748.2	18855.9	18872.9	18870.1	19496.4	18138.9	17589.0	*17336.8*	13487.9
47.5°	17863.9	17926.3	18042.5	18572.5	19130.8	19598.5	20927.7	19850.7	19371.7	*19164.8*	15214.0
50°	16101.1	16271.1	16667.9	17702.4	18889.9	20080.3	22282.5	22381.6	22838.0	*22472.3*	17753.4
52.5°	13519.1	13493.6	14505.4	15979.2	17790.3	20100.1	23027.8	24615.0	25842.2	*25590.0*	19641.0
55°	10744.4	10701.9	11645.7	13677.8	16103.9	19340.6	23475.6	25638.1	27508.7	*27282.0*	21338.7
57.5°	8227.7	8173.8	9012.7	10846.5	13723.2	17727.9	23390.6	26856.8	29801.6	*29685.4*	23645.7
60°	5662.7	5597.5	6382.6	7986.8	10906.0	15262.1	22449.7	27483.2	32485.6	*32525.2*	26114.3
62.5°	3401.0	3364.2	3933.9	5178.1	7845.1	12206.9	20247.5	27103.4	34622.5	*34801.1*	27701.4
65°	*2052.0*	*2026.5*	*2360.9*	*3089.3*	*4976.8*	*8907.9*	*16852.1*	*25162.0*	*34931.5*	*35342.4*	*27738.3*
67.5°	1493.6	1496.5	1592.8	1881.9	2902.2	5753.4	12646.2	21681.6	33321.6	*33746.8*	25989.6
70°	1298.1	1303.7	1354.7	1419.9	1754.4	3293.3	8222.0	17115.7	28563.0	*28891.8*	21797.8
72.5°	1153.5	1153.5	1187.5	1221.5	1371.8	2006.6	4404.3	11963.1	22543.2	*22631.1*	16636.7
75°	1014.6	1006.1	1023.1	1040.2	1190.4	1402.9	2142.7	8335.4	16650.9	*16446.8*	10752.9
77.5°	807.7	799.2	802.1	819.1	955.1	1003.3	1085.5	5206.4	9384.0	*8856.9*	4750.1
80°	575.3	569.7	600.8	643.4	705.7	615.0	680.2	2519.6	3721.3	*3463.4*	1842.2
82.5°	342.9	354.3	402.5	436.5	487.5	385.5	439.3	841.8	1317.9	*1283.9*	748.2
85°	48.2	51.0	144.5	167.2	209.7	150.2	232.4	379.8	527.2	*564.0*	263.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	19.8	68.0	150.2	*153.0*	65.2
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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CATALOG NUMBER: GWS-SA6F-830-U-T2R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7
2.5°	3885.7	3752.5	3562.6	3403.9	3270.7	3163.0	3072.3	3004.2	2984.4	2956.1	2956.1
5°	4027.4	3786.5	3446.4	3205.5	3066.6	2984.4	2927.7	2899.4	2885.2	2868.2	2859.7
7.5°	4223.0	3885.7	3426.5	3182.8	3075.1	3024.1	2987.2	2970.2	2958.9	2941.9	2941.9
10°	4492.2	4033.1	3488.9	3262.2	3177.1	3126.1	3083.6	3055.3	3029.8	3004.2	2998.6
12.5°	4784.1	4225.8	3602.3	3369.9	3279.2	3216.8	3157.3	3114.8	3083.6	3052.4	3043.9
15°	5107.2	4424.2	3724.1	3474.7	3361.4	3276.3	3205.5	3140.3	3097.8	3052.4	3046.8
17.5°	5424.7	4625.4	3826.2	3545.6	3401.0	3296.2	3194.1	3109.1	3055.3	3004.2	2990.1
20°	5804.4	4826.6	3897.0	3565.4	3392.5	3253.7	3131.8	3024.1	2964.6	2905.1	2896.5
22.5°	6153.0	5013.7	3931.0	3537.1	3327.3	3163.0	3021.3	2905.1	2839.9	2780.3	2769.0
25°	6490.3	5178.1	3916.9	3469.1	3228.1	3038.3	2890.9	2774.7	2712.3	2650.0	2633.0
27.5°	6816.2	5288.6	3860.2	3364.2	3103.4	2899.4	2757.7	2652.8	2599.0	2545.1	2522.4
30°	7136.5	5390.6	3772.3	3228.1	2944.7	2754.8	2638.6	2564.9	2511.1	2454.4	2437.4
32.5°	7459.6	5464.3	3639.1	3069.4	2783.2	2627.3	2556.4	2502.6	2445.9	2389.2	2372.2
35°	7785.5	5495.5	3477.6	2888.0	2647.1	2545.1	2519.6	2457.2	2380.7	2312.7	2290.0
37.5°	8173.8	5523.8	3276.3	2709.5	2528.1	2505.4	2499.8	2406.2	2315.5	2222.0	2196.5
40°	8641.5	5560.7	3069.4	2547.9	2431.7	2491.3	2468.6	2341.0	2159.7	2069.0	2040.6
42.5°	9214.0	5628.7	2854.0	2400.6	2360.9	2437.4	2411.9	2182.3	2060.5	2009.4	1995.3
45°	10055.7	5878.1	2638.6	2284.4	2307.0	2360.9	2321.2	2088.8	2040.6	2006.6	1989.6
47.5°	11555.0	6260.7	2451.6	2196.5	2264.5	2292.9	2139.8	2063.3	2026.5	1981.1	1961.3
50°	13113.8	6428.0	2301.4	2142.7	2216.3	2230.5	2040.6	2029.3	2003.8	1955.6	1935.8
52.5°	14168.1	6405.3	2210.7	2122.8	2176.7	2122.8	1995.3	1992.4	1975.4	1918.8	1896.1
55°	15358.5	6445.0	2171.0	2128.5	2159.7	1941.4	1938.6	1947.1	1938.6	1876.2	1864.9
57.5°	16965.5	6566.8	2151.2	2148.3	2148.3	1853.6	1884.7	1896.1	1879.1	1850.7	1842.2
60°	18510.1	6575.3	2114.3	2171.0	2139.8	1799.7	1822.4	1833.7	1813.9	1808.2	1805.4
62.5°	19091.1	6167.2	2032.1	2154.0	2105.8	1740.2	1757.2	1762.9	1743.0	1757.2	1754.4
65°	*18226.7*	*5299.9*	*1896.1*	*2071.8*	*2000.9*	*1686.3*	*1675.0*	*1689.2*	*1655.2*	*1692.0*	*1694.8*
67.5°	16183.3	4211.6	1689.2	1915.9	1853.6	1626.8	1604.2	1604.2	1547.5	1604.2	1601.3
70°	13048.6	2975.9	1385.9	1666.5	1692.0	1556.0	1544.6	1479.5	1388.8	1473.8	1465.3
72.5°	9891.3	2137.0	1091.2	1317.9	1456.8	1456.8	1459.6	1349.1	1244.2	1283.9	1249.9
75°	6266.4	1505.0	872.9	1009.0	1142.2	1278.2	1343.4	1139.3	1045.8	1028.8	1011.8
77.5°	2822.9	989.1	680.2	773.7	810.6	1009.0	1227.2	980.6	853.1	816.2	804.9
80°	1181.9	615.0	484.6	547.0	498.8	847.4	1082.7	762.4	626.4	575.3	538.5
82.5°	518.7	365.6	308.9	294.8	311.8	629.2	807.7	507.3	391.1	530.0	535.7
85°	218.2	192.7	158.7	144.5	127.5	240.9	379.8	198.4	243.7	138.9	113.4
87.5°	51.0	56.7	42.5	28.3	17.0	2.8	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

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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

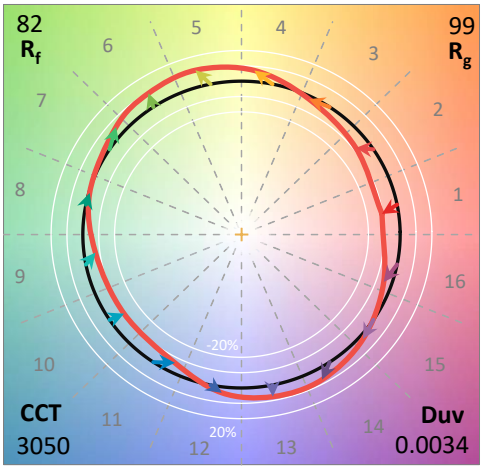
Test Information

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

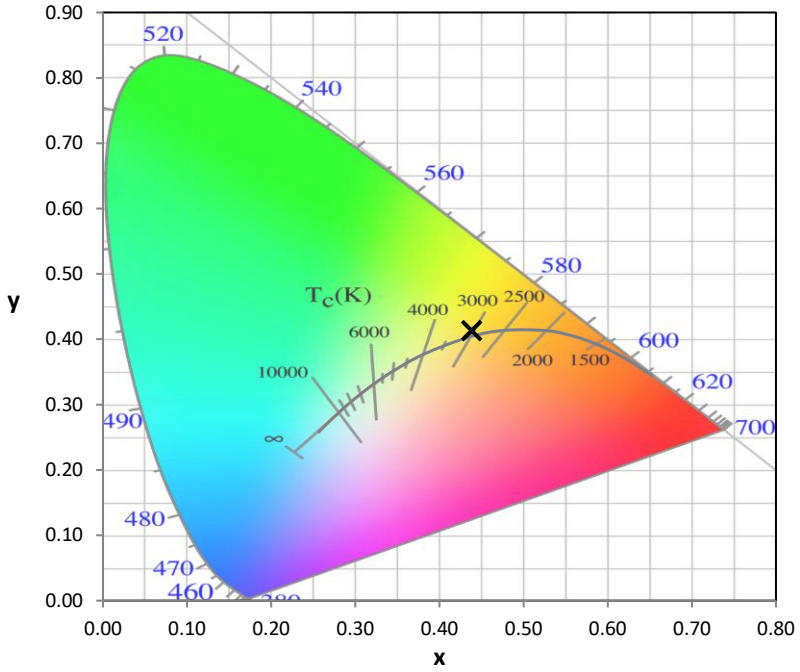
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

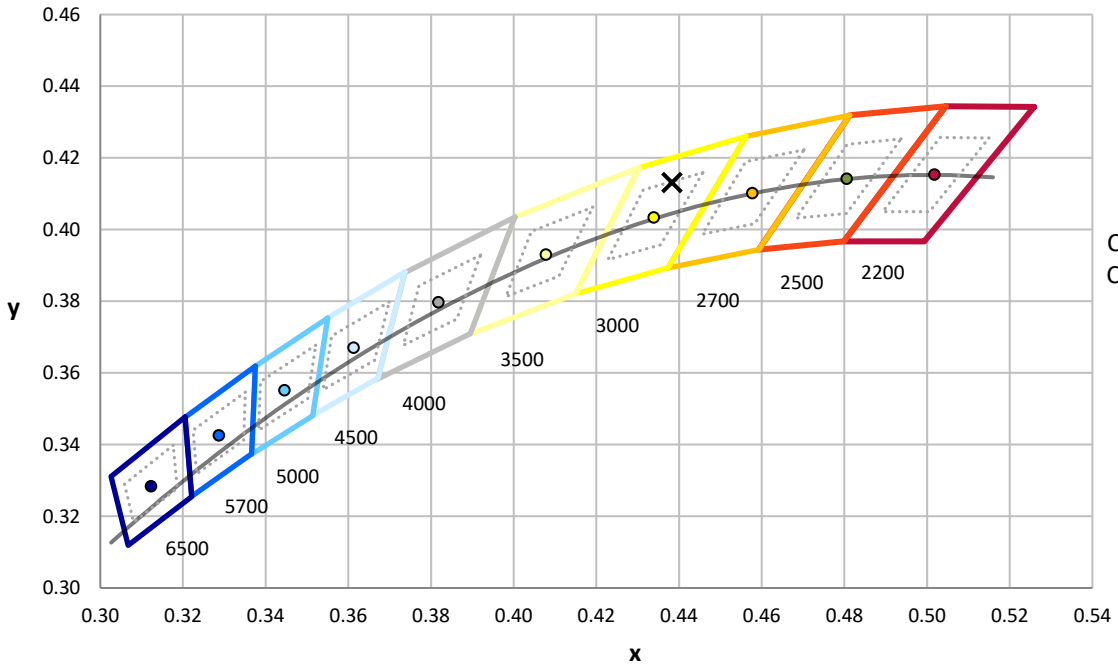
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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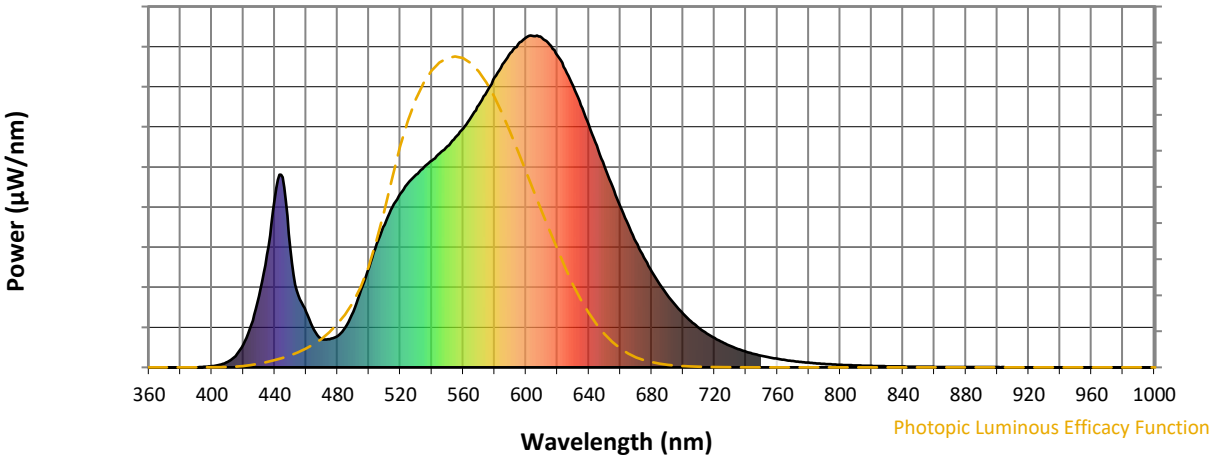
Photopic Flux vs. Wavelength



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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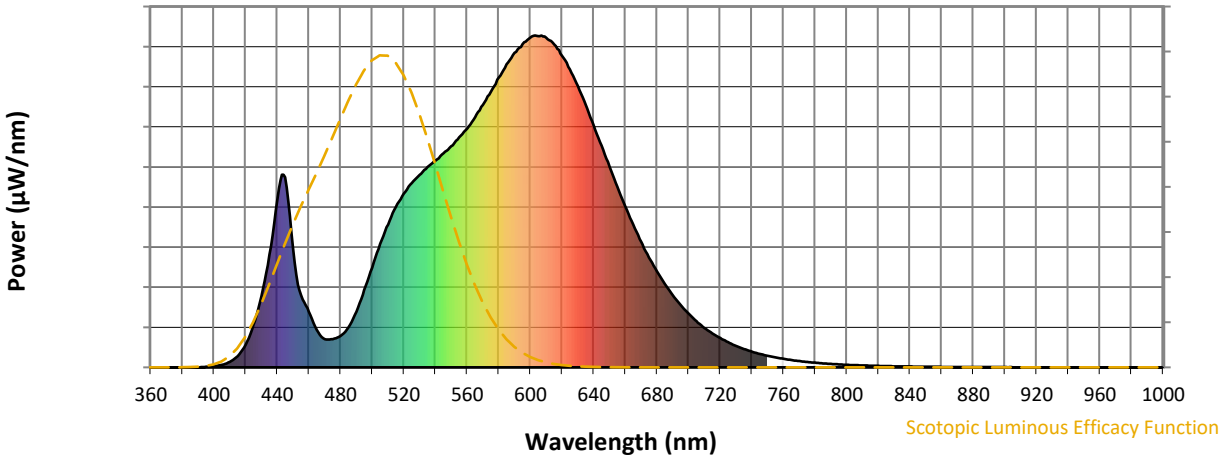
Scotopic Flux vs. Wavelength



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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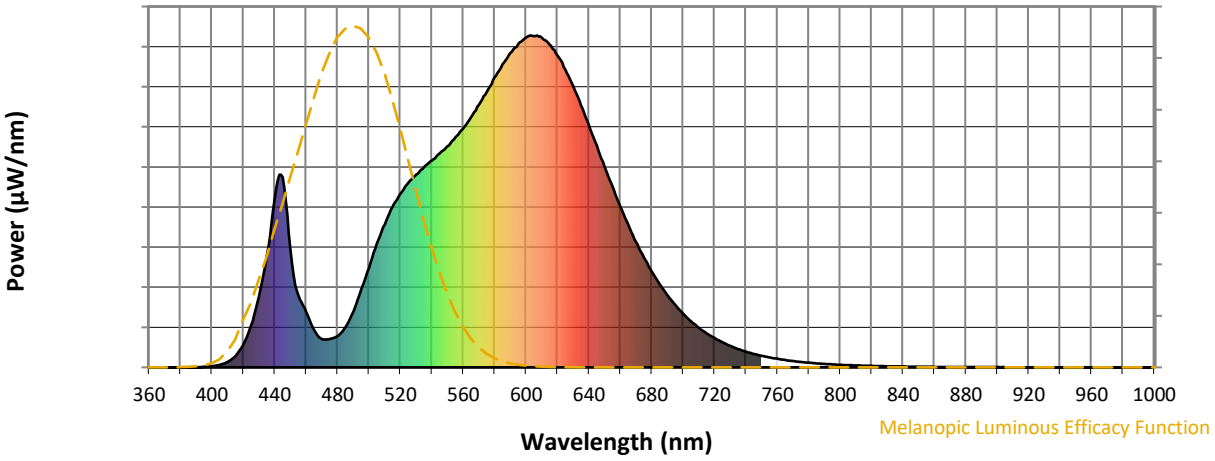
Melanopic Flux vs. Wavelength



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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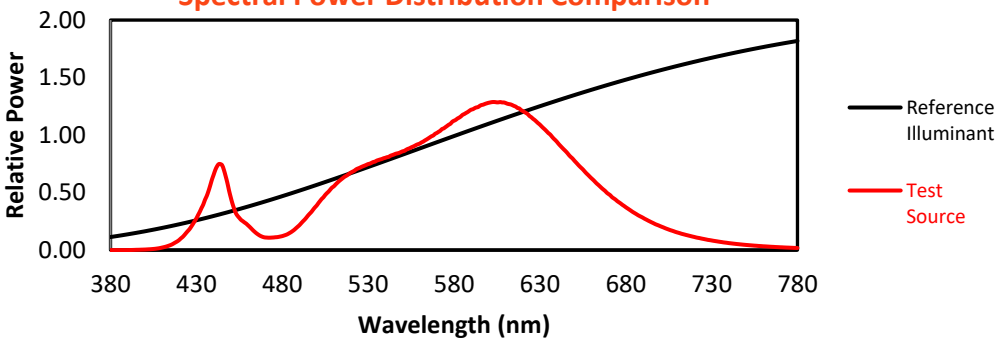
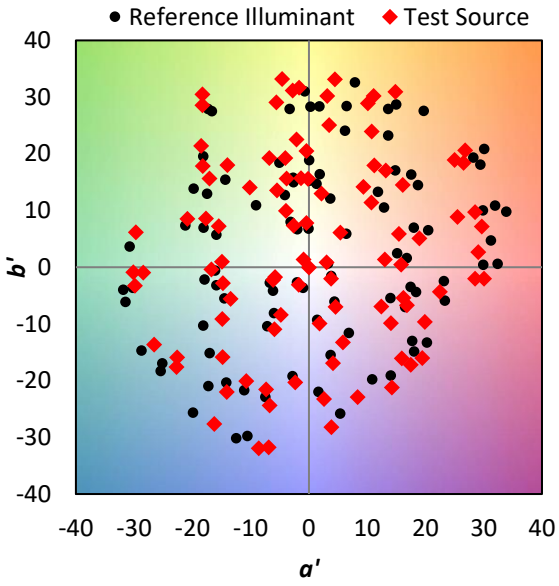
Summary

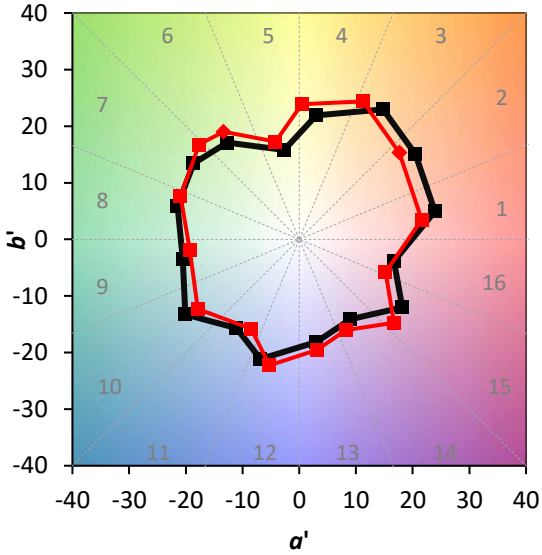
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

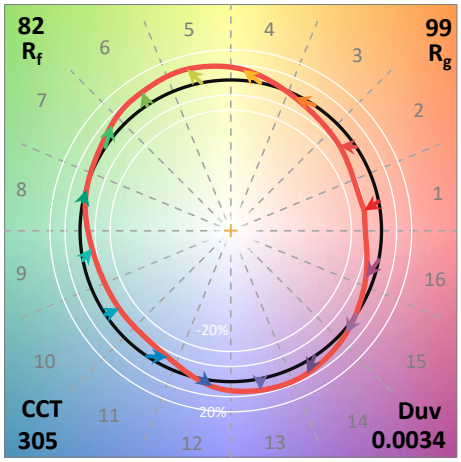
Spectral Power Distribution Comparison

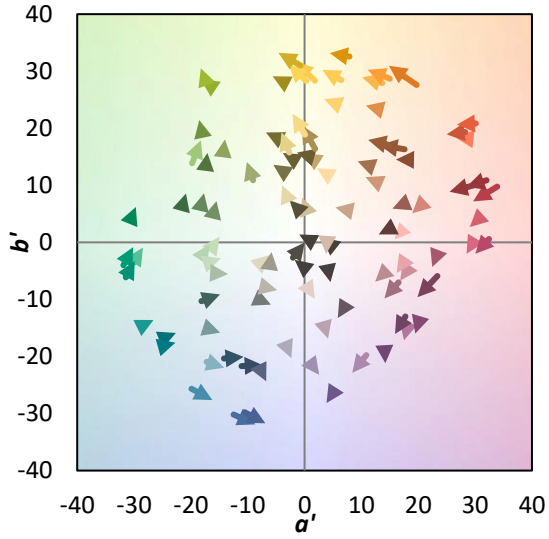


Color Vector Graphics









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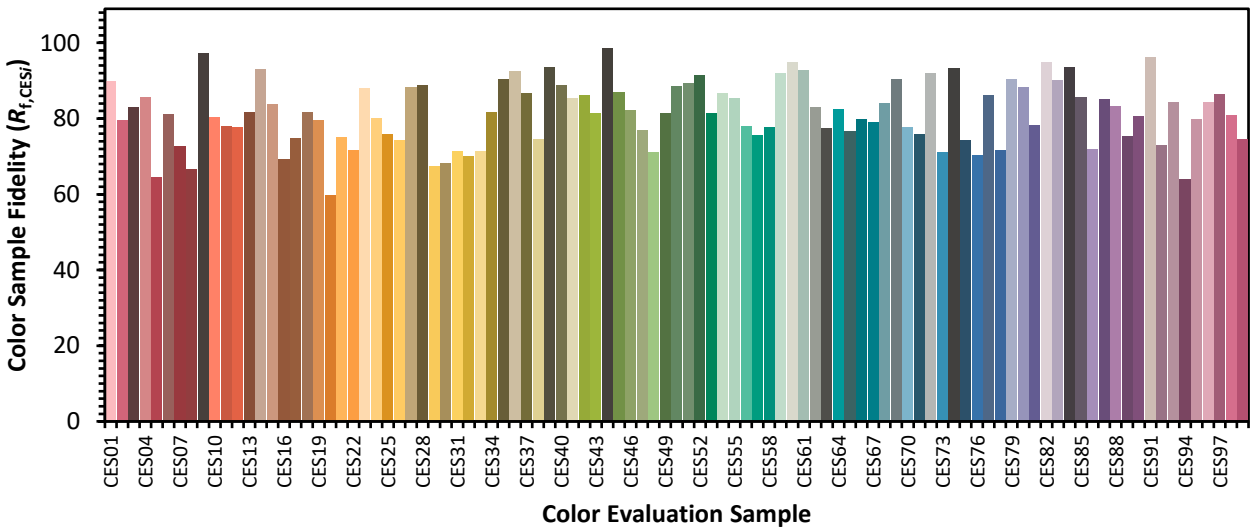
Individual Sample Fidelity Index ($R_{f,i}$)

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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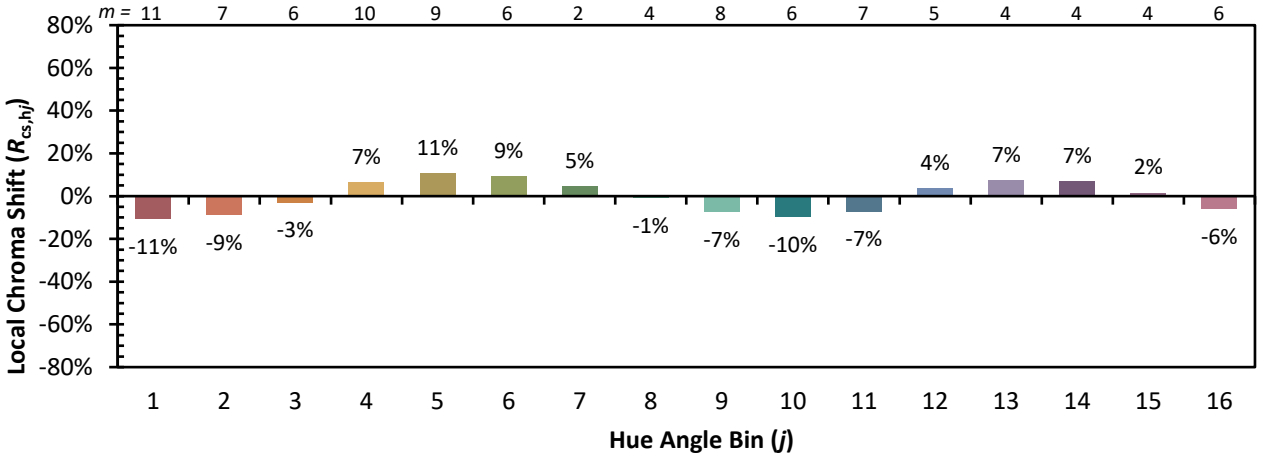
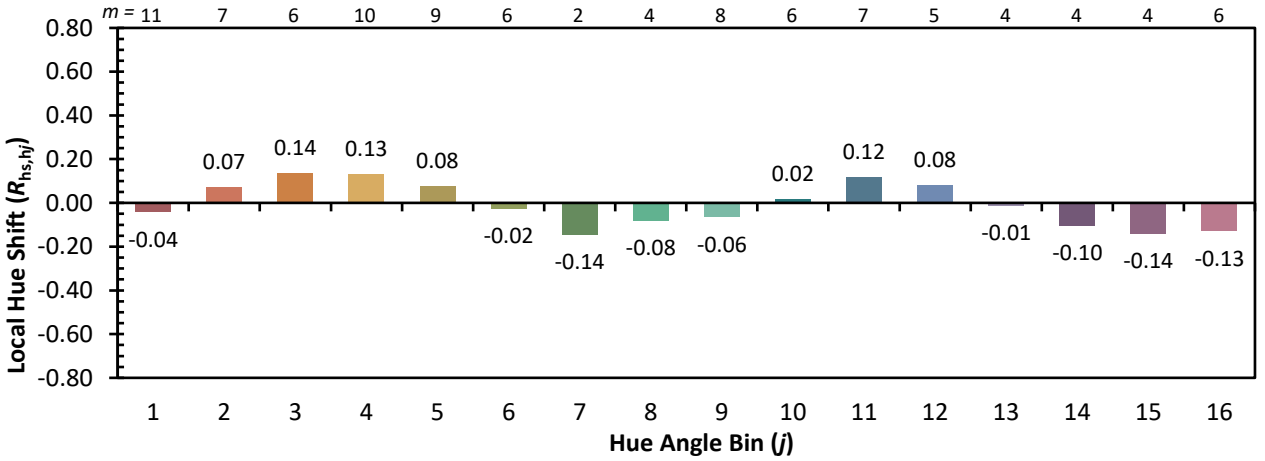
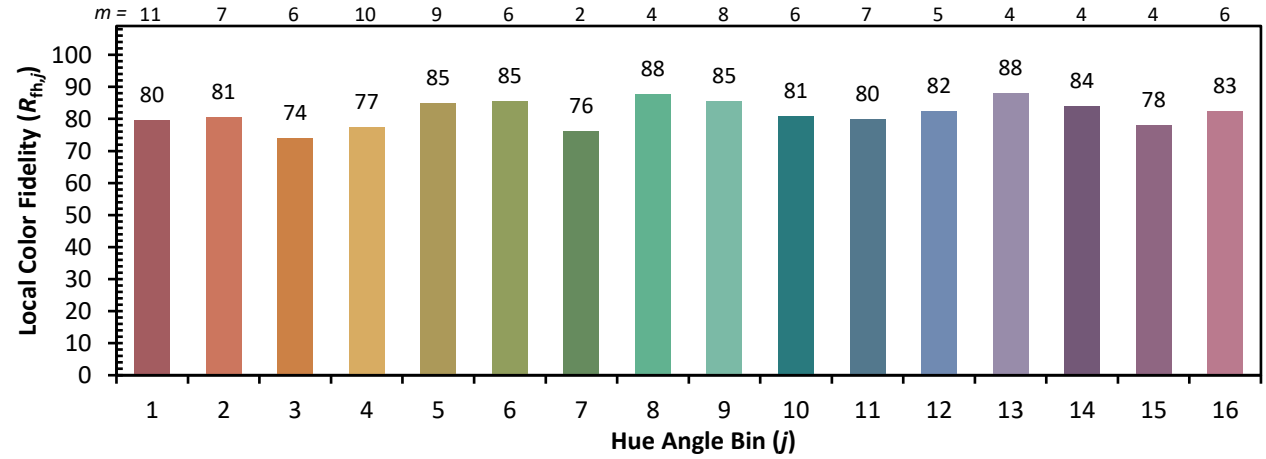
Color Rendition by Hue-Angle Bin







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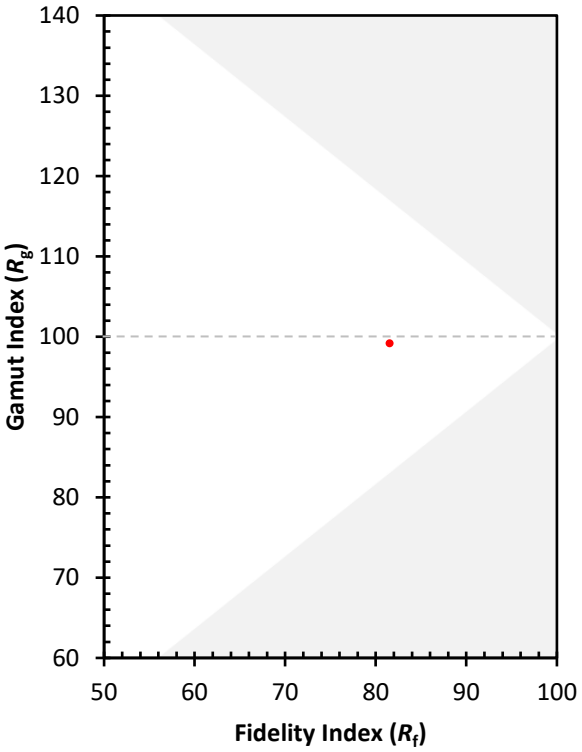
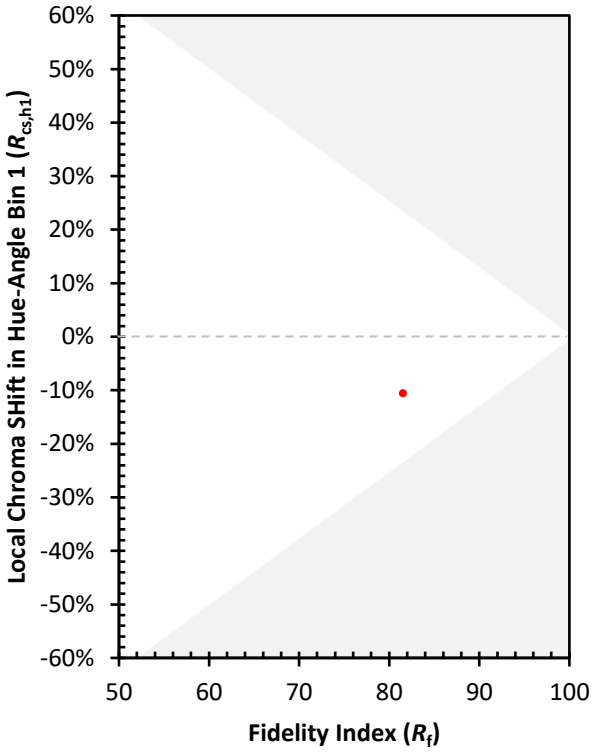
Measure Comparisons





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