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: P643948

Luminaire Tested: GWS-SA6F-830-U-T3R-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:	P643948
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6F-830-U-T3R-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	40192.9 lumens
Efficiency:	N/A
Efficacy:	107.9 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G5

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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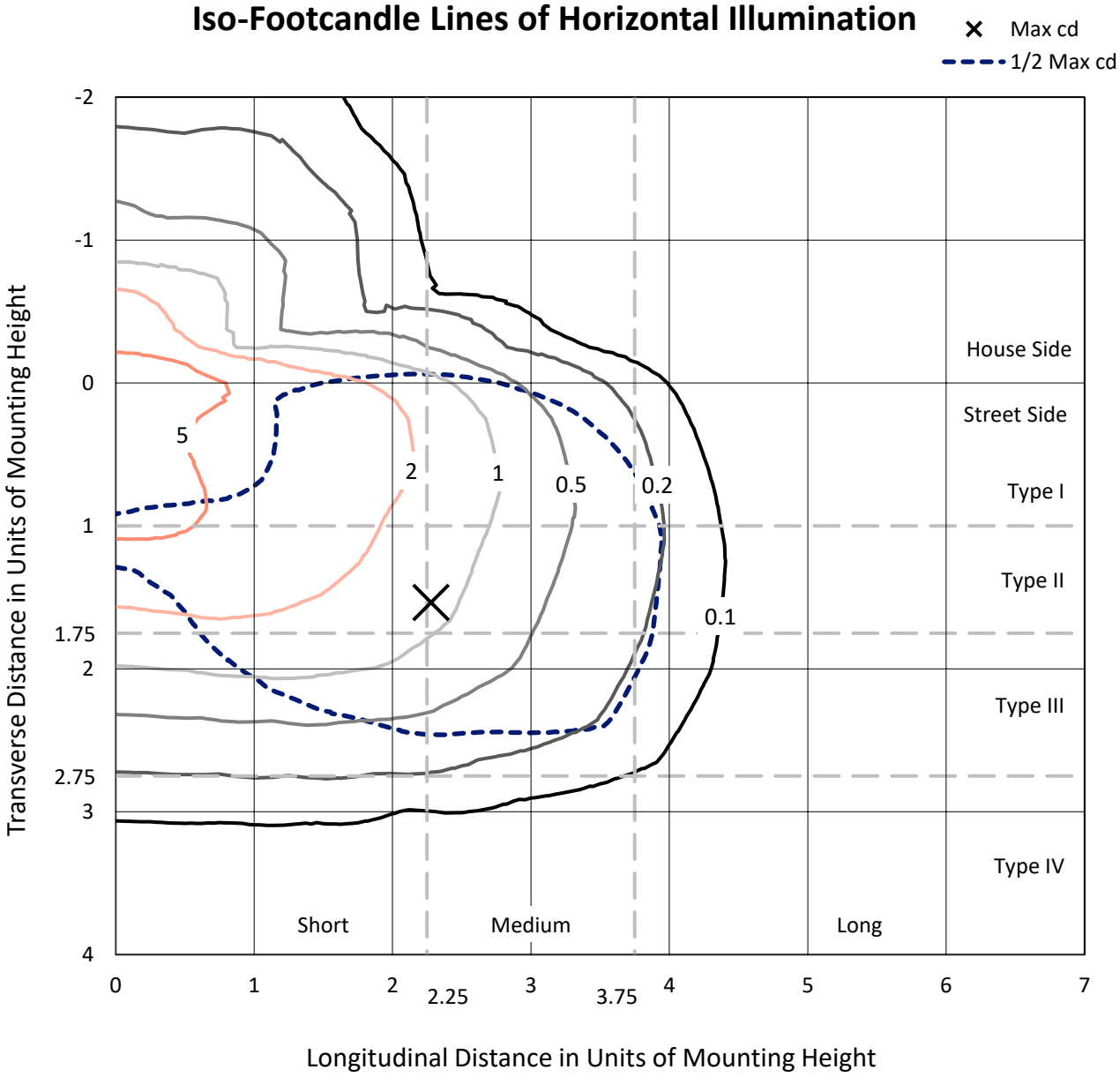
Scaled Data Report

REPORT NUMBER: P643948
CATALOG NUMBER: GWS-SA6F-830-U-T3R-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 30 foot mounting height. Maximum calculated value = 7.5 fc
Type III - Medium - N/A

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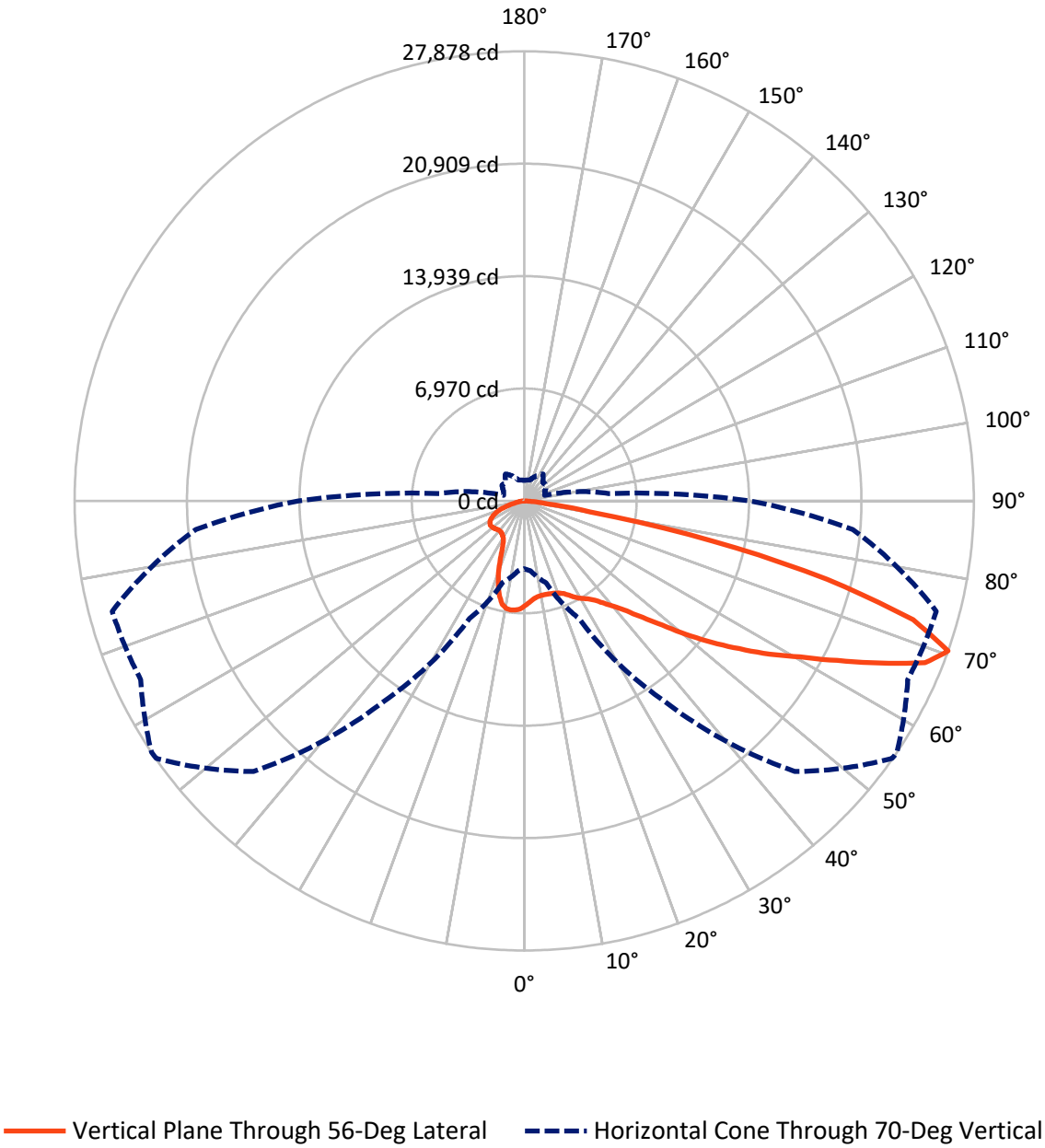
Luminous Intensity Polar Plot



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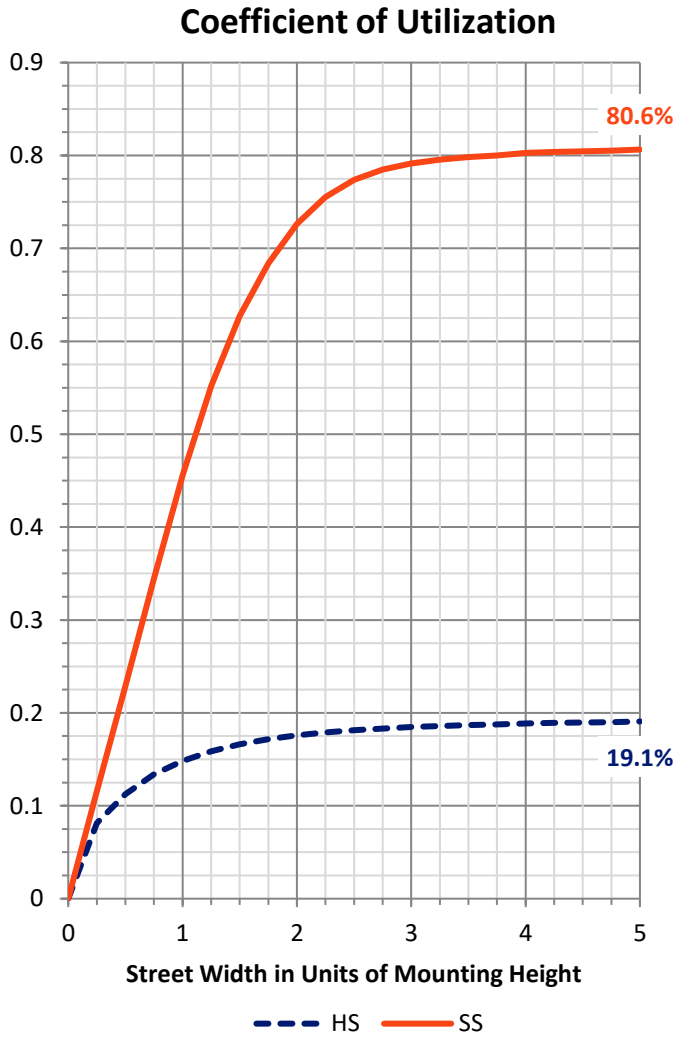
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7727.2	0.0	7727.2
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	32465.8	0.0	32465.8
	% Fixture	80.8	0.0	80.8
Total	Lumens	40192.9	0.0	40192.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	600.4	1.5
10°-20°	1626.7	4.0
20°-30°	2689.4	6.7
30°-40°	4021.0	10.0
40°-50°	5983.8	14.9
50°-60°	8507.3	21.2
60°-70°	10536.5	26.2
70°-80°	5817.9	14.5
80°-90°	409.7	1.0
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°	40192.9	100.0
0°-180°	40192.9	100.0



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REPORT NUMBER: P643948
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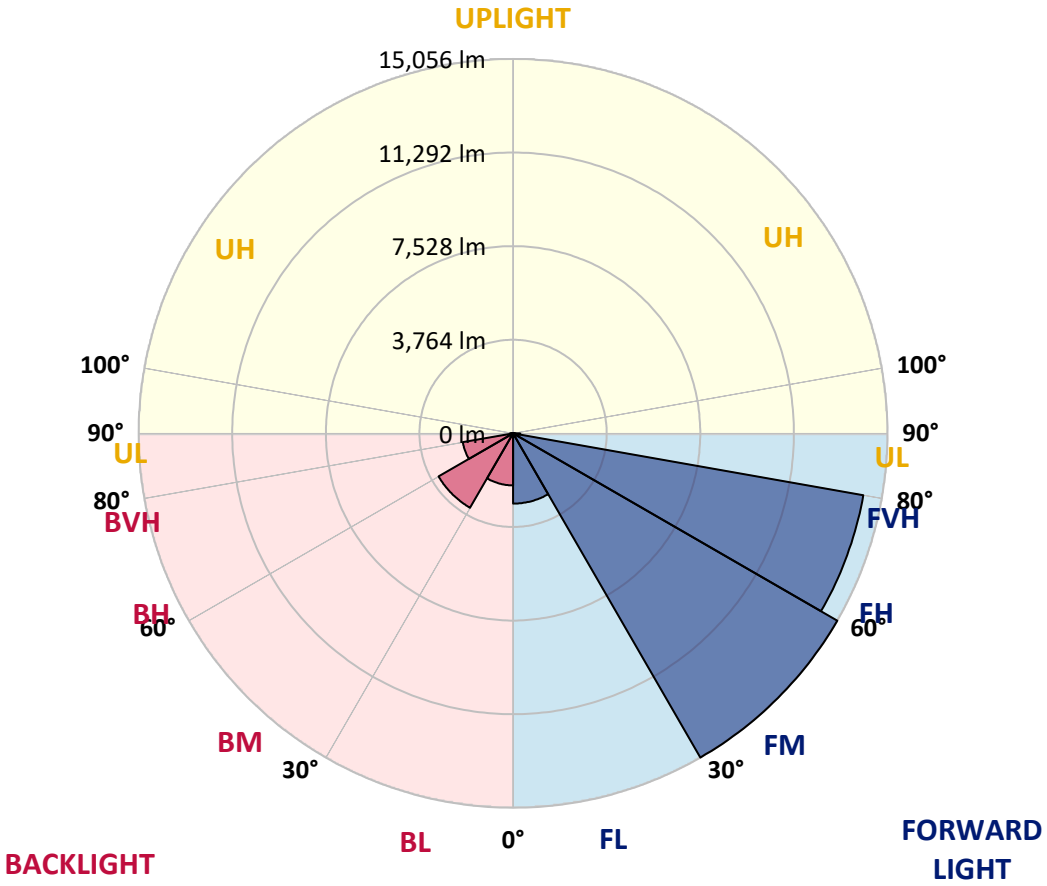
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2824.7	7.0			
FM	(30°-60°)	15055.7	37.5			
FH	(60°-80°)	14300.7	35.6			G5
FVH	(80°-90°)	284.7	0.7			G3/500
BL	(0°-30°)	2091.8	5.2	B3/2500		
BM	(30°-60°)	3456.5	8.6	B3/5000		
BH	(60°-80°)	2053.8	5.1	B3/2500		G3/2500
BVH	(80°-90°)	125.0	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-G5
Type III Medium



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REPORT NUMBER: P643948
CATALOG NUMBER: GWS-SA6F-830-U-T3R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	6487.8	6487.8	6487.8	6487.8	6487.8	6487.8	6487.8	*6487.8*	6487.8	6487.8	6487.8
2.5°	6071.1	6037.1	6076.8	6096.6	6147.6	6221.3	6286.5	*6289.4*	6323.4	6405.6	6484.9
5°	5796.2	5779.2	5790.5	5850.0	5903.9	5997.4	6096.6	*6105.1*	6201.5	6363.0	6521.8
7.5°	5583.6	5560.9	5603.4	5680.0	5748.0	5852.9	5983.2	*5994.6*	6130.6	6374.4	6618.1
10°	5277.5	5260.5	5339.9	5441.9	5589.3	5762.2	5935.1	*5949.2*	6127.8	6448.1	6788.2
12.5°	5144.3	5144.3	5178.3	5274.7	5436.2	5665.8	5926.6	*5949.2*	6173.1	6561.4	7006.4
15°	5351.2	5365.4	5337.0	5331.4	5396.5	5614.8	5937.9	*5971.9*	6258.2	6677.7	7221.8
17.5°	5767.8	5782.0	5708.3	5592.1	5526.9	5663.0	5980.4	*6017.3*	6348.9	6805.2	7454.3
20°	6351.7	6368.7	6207.2	6028.6	5804.7	5801.8	6062.6	*6096.6*	6465.1	6944.1	7700.8
22.5°	7034.8	7046.1	6842.0	6558.6	6215.7	6059.8	6204.3	*6238.3*	6615.3	7136.8	7967.3
25°	7825.6	7859.6	7613.0	7202.0	6737.2	6414.1	6439.6	*6479.2*	6884.6	7394.7	8281.9
27.5°	8670.2	8712.7	8429.3	7975.8	7335.2	6805.2	6742.8	*6776.9*	7170.8	7553.5	8449.1
30°	9534.6	9565.8	9282.4	8763.7	7978.6	7247.3	6997.9	*7017.8*	7295.5	7630.0	8619.2
32.5°	10495.5	10470.0	10197.9	9599.8	8721.2	7777.4	7236.0	*7230.3*	7434.4	7783.0	8862.9
35°	11396.8	11433.6	11144.5	10484.1	9537.5	8432.1	7593.1	*7570.5*	7729.2	8032.5	9205.9
37.5°	12488.0	12476.7	12130.9	11416.6	10356.6	9058.5	8094.8	*8055.1*	8111.8	8420.8	9684.9
40°	13267.4	13346.8	13122.9	12456.8	11314.6	9829.4	8681.5	*8593.7*	8607.8	8899.8	10325.4
42.5°	13905.2	13978.9	14001.5	13576.4	12411.5	10781.7	9412.8	*9324.9*	9333.4	9747.2	11113.4
45°	14395.5	14494.7	14815.0	14690.3	13647.2	11881.5	10401.9	*10311.2*	10316.9	10776.1	12065.7
47.5°	14596.7	14704.4	15353.5	15651.1	14959.5	13196.6	11632.0	*11498.8*	11518.7	12026.0	13154.1
50°	14531.5	14676.1	15554.7	16390.9	16059.2	14534.4	13103.0	*13009.5*	12933.0	13669.9	14336.0
52.5°	13970.3	14129.1	15534.9	16861.4	16957.7	15798.5	14622.2	*14568.4*	14551.4	15415.9	15656.8
55°	12317.9	12584.4	14851.8	16986.1	17660.6	16988.9	16269.0	*16178.3*	16266.1	17286.5	16991.7
57.5°	11402.5	11600.9	13514.0	16847.2	18236.0	18122.6	17912.9	*17921.4*	18020.6	19318.7	18610.1
60°	10880.9	11113.4	12771.4	16467.4	18788.7	19500.1	19633.3	*19633.3*	19811.9	21509.6	20254.0
62.5°	10189.4	10424.6	12077.0	15736.1	19298.9	21121.3	21795.9	*21787.4*	21858.3	23859.3	21861.1
65°	8786.4	9004.6	10682.5	14582.6	19548.3	22907.0	24253.3	*24227.7*	24086.0	25951.0	22924.0
67.5°	6380.0	6587.0	8182.7	12388.8	18649.8	24346.8	26784.3	*26795.6*	25948.2	27269.0	22980.6
70°	*4206.1*	*4347.8*	*5260.5*	*8046.6*	*15166.4*	*23726.1*	*27844.3*	*27878.3*	*26234.4*	*26447.0*	*20452.4*
72.5°	2624.6	2723.8	3285.0	4798.5	8962.1	18780.2	25123.4	*25216.9*	23601.4	23241.4	16804.7
75°	1743.1	1811.1	2185.3	2797.5	4146.6	10163.9	19097.6	*19398.1*	18916.2	18219.0	11708.6
77.5°	1048.7	1105.4	1391.6	1777.1	1836.6	3970.9	11147.4	*11924.0*	11992.0	9512.0	4903.4
80°	479.0	544.2	768.1	1014.7	977.8	1383.1	3931.2	*4112.6*	4852.4	3021.4	1547.5
82.5°	283.4	311.8	510.2	504.5	416.6	671.7	1414.3	*1451.2*	1232.9	1105.4	660.4
85°	113.4	133.2	215.4	189.9	153.1	218.2	532.9	*558.4*	535.7	481.8	243.8
87.5°	0.0	0.0	0.0	0.0	2.8	5.7	48.2	*51.0*	73.7	133.2	73.7
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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REPORT NUMBER: P643948
CATALOG NUMBER: GWS-SA6F-830-U-T3R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6487.8	6487.8	6487.8	6487.8	6487.8	6487.8	6487.8	6487.8	6487.8	6487.8	6487.8
2.5°	6535.9	6518.9	6604.0	6669.1	6697.5	6725.8	6700.3	6691.8	6691.8	6635.1	6606.8
5°	6606.8	6615.3	6731.5	6785.4	6785.4	6762.7	6694.7	6646.5	6629.5	6555.8	6535.9
7.5°	6740.0	6776.9	6884.6	6881.7	6802.4	6677.7	6507.6	6377.2	6258.2	6207.2	6176.0
10°	6958.2	7006.4	7080.1	6961.1	6740.0	6411.2	6051.3	5767.8	5597.8	5461.7	5461.7
12.5°	7207.7	7253.0	7238.8	6963.9	6507.6	5892.5	5373.9	5047.9	4809.8	4685.1	4685.1
15°	7457.1	7493.9	7340.9	6833.5	6022.9	5203.8	4636.9	4245.8	4038.9	3922.7	3922.7
17.5°	7709.3	7706.5	7383.4	6533.1	5390.9	4441.4	3885.8	3582.6	3511.7	3491.9	3489.0
20°	7953.1	7887.9	7329.5	6031.4	4656.8	3673.3	3321.8	3341.7	3446.5	3491.9	3497.5
22.5°	8228.0	8066.5	7170.8	5390.9	3823.5	3140.4	3163.1	3327.5	3480.5	3548.6	3557.1
25°	8508.6	8219.5	6904.4	4639.8	3126.3	2944.9	3120.6	3304.8	3477.7	3565.6	3574.1
27.5°	8622.0	8219.5	6450.9	3769.6	2755.0	2862.7	3055.4	3234.0	3415.4	3517.4	3537.2
30°	8715.5	8148.7	5816.0	2984.5	2601.9	2783.3	2950.5	3114.9	3293.5	3418.2	3440.9
32.5°	8845.9	8086.3	5047.9	2508.4	2531.0	2706.8	2823.0	2961.9	3123.4	3205.6	3197.1
35°	8999.0	7989.9	4121.1	2281.6	2471.5	2641.6	2723.8	2806.0	2732.3	2729.4	2738.0
37.5°	9217.2	7904.9	3313.3	2179.6	2431.8	2596.2	2664.3	2488.5	2386.5	2344.0	2327.0
40°	9531.8	7870.9	2613.2	2120.1	2426.2	2593.4	2545.2	2273.1	2134.2	1986.9	1984.0
42.5°	9928.6	7845.4	2159.7	2091.7	2446.0	2658.6	2380.8	2131.4	1845.1	1780.0	1774.3
45°	10438.8	7805.7	1933.0	2086.1	2494.2	2709.6	2363.8	1935.8	1740.3	1711.9	1711.9
47.5°	11053.8	7743.4	1831.0	2086.1	2548.1	2686.9	2312.8	1893.3	1692.1	1723.3	1743.1
50°	11759.6	7664.0	1777.1	2080.4	2601.9	2686.9	2205.1	1884.8	1680.8	1842.3	1907.5
52.5°	12513.5	7573.3	1740.3	2057.7	2638.7	2689.8	2210.8	1913.2	1692.1	1870.6	1924.5
55°	13346.8	7559.1	1689.3	2009.5	2650.1	2616.1	2224.9	1975.5	1709.1	1694.9	1697.8
57.5°	14398.3	7729.2	1652.4	1938.7	2604.7	2465.9	2253.3	2020.9	1689.3	1692.1	1711.9
60°	15498.0	8049.5	1683.6	1870.6	2511.2	2324.1	2273.1	1998.2	1592.9	1547.5	1553.2
62.5°	16433.4	8293.2	1709.1	1839.5	2375.2	2199.4	2253.3	1947.2	1539.0	1527.7	1553.2
65°	16824.5	8092.0	1646.7	1774.3	2176.8	2046.4	2210.8	1882.0	1493.7	1451.2	1454.0
67.5°	16390.9	7148.1	1524.9	1629.7	1952.8	1850.8	2142.7	1797.0	1431.3	1380.3	1369.0
70°	*14001.5*	*5252.0*	*1315.1*	*1400.2*	*1680.8*	*1621.2*	*2037.9*	*1686.4*	*1332.1*	*1295.3*	*1269.8*
72.5°	11283.4	3718.6	1091.2	1113.9	1318.0	1366.1	1856.5	1547.5	1218.8	1113.9	1077.0
75°	7853.9	2335.5	909.8	887.1	952.3	1043.0	1448.3	1283.9	1051.5	941.0	907.0
77.5°	3378.5	1198.9	711.4	700.1	634.9	722.8	1111.1	1071.4	881.5	753.9	734.1
80°	1130.9	694.4	513.0	493.2	422.3	507.3	782.3	856.0	691.6	558.4	524.3
82.5°	566.9	402.5	325.9	294.8	283.4	320.3	462.0	532.9	479.0	385.5	325.9
85°	277.8	229.6	178.6	175.7	147.4	138.9	192.7	226.7	215.4	158.7	150.2
87.5°	102.0	90.7	56.7	45.3	28.3	19.8	11.3	11.3	8.5	8.5	8.5
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

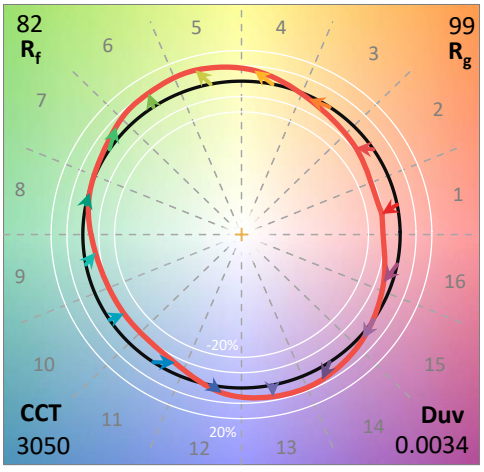
Test Information

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

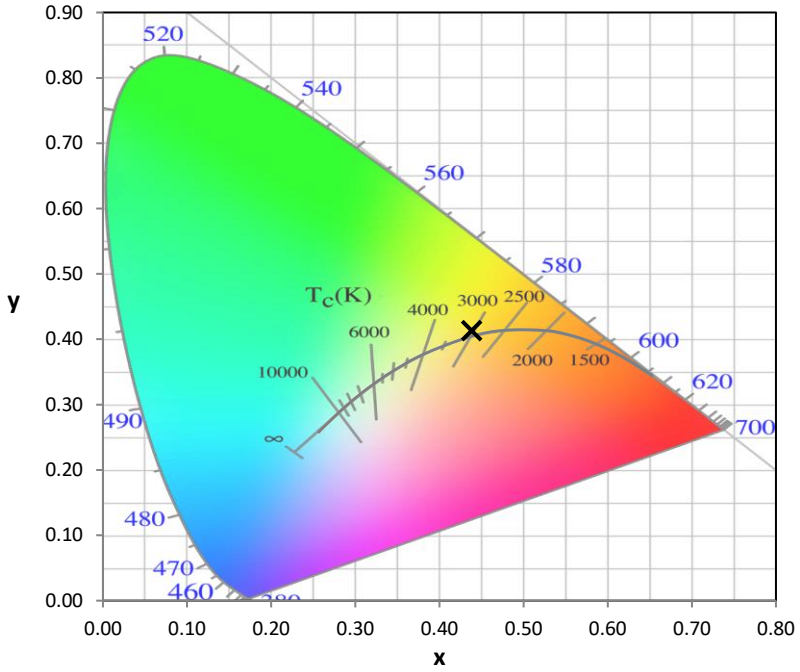
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

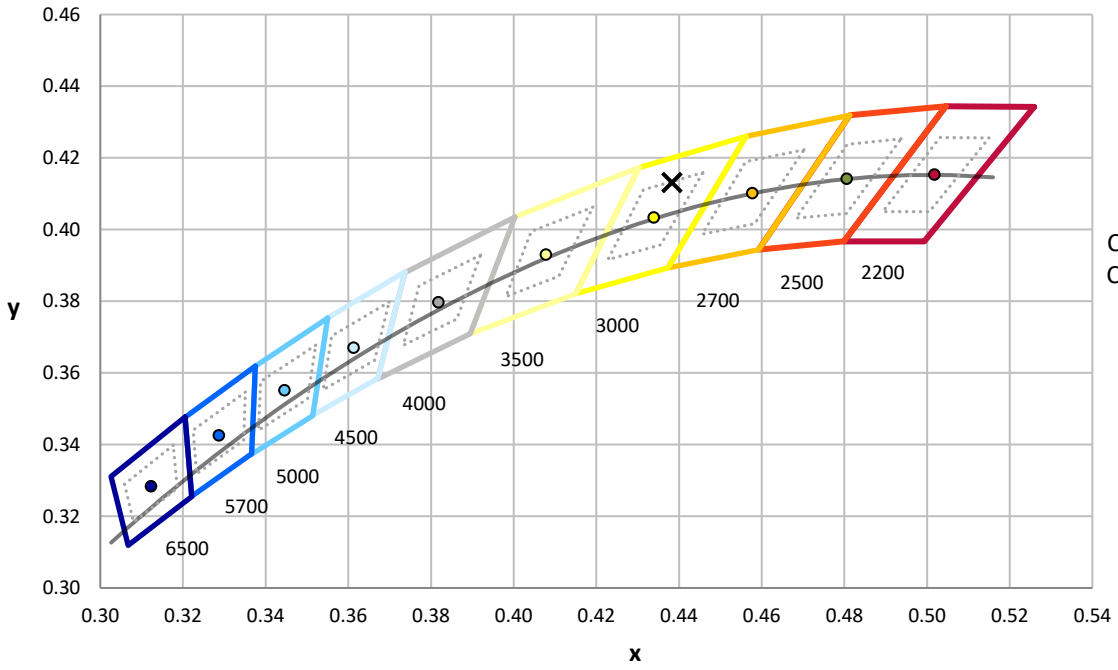
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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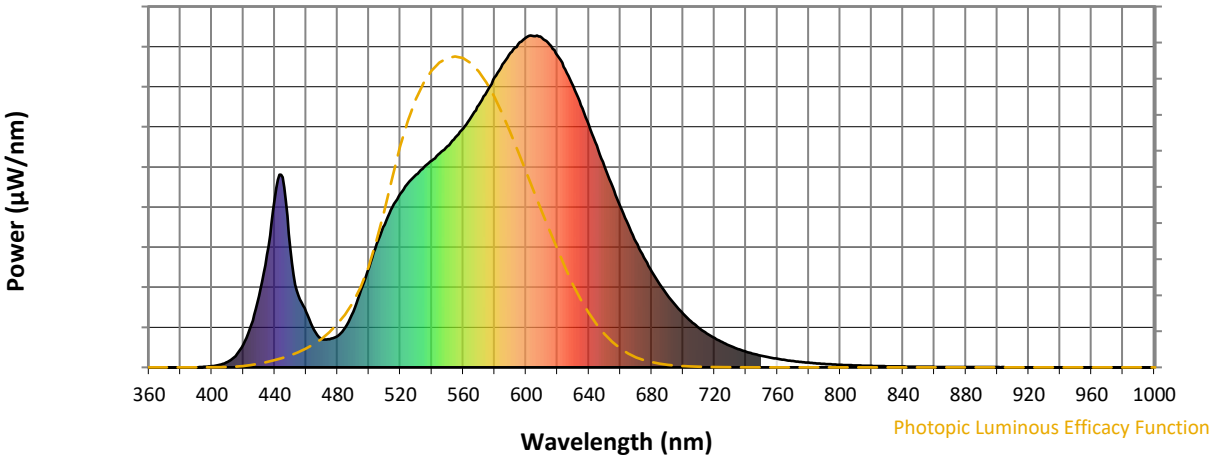
Photopic Flux vs. Wavelength



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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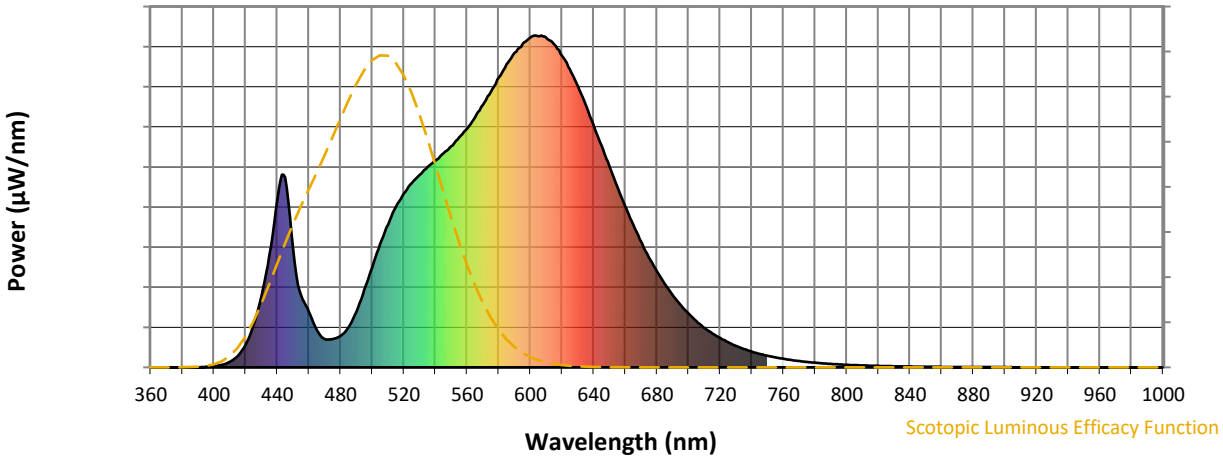
Scotopic Flux vs. Wavelength



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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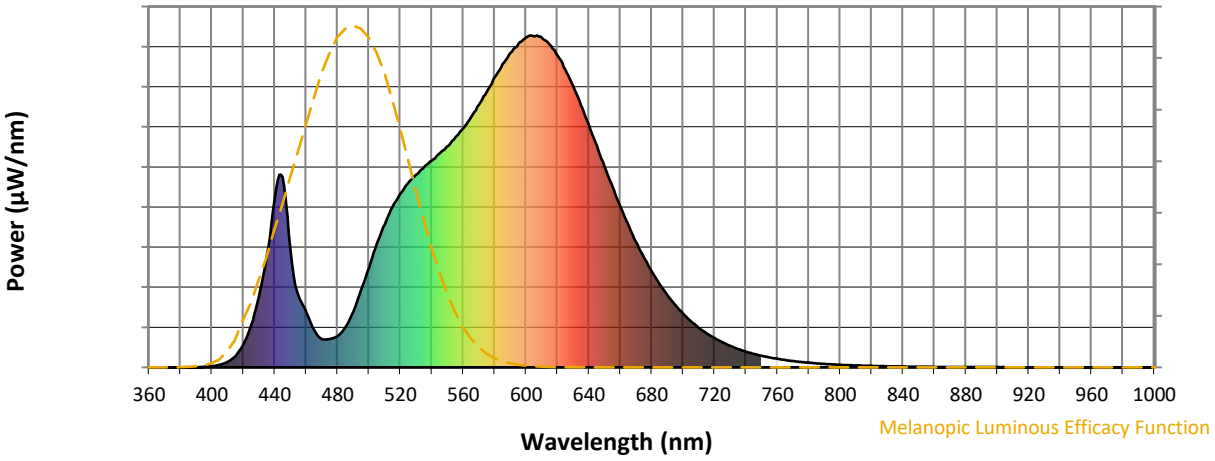
Melanopic Flux vs. Wavelength



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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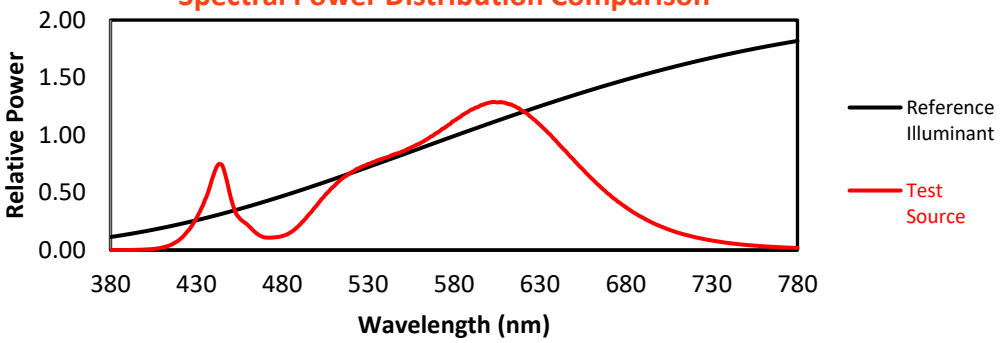
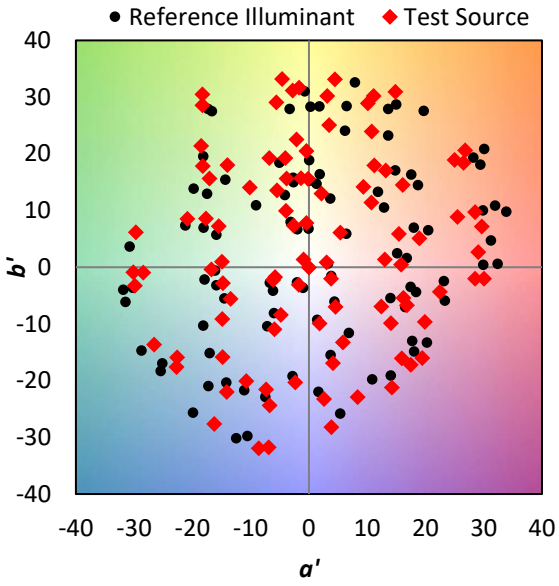
Summary

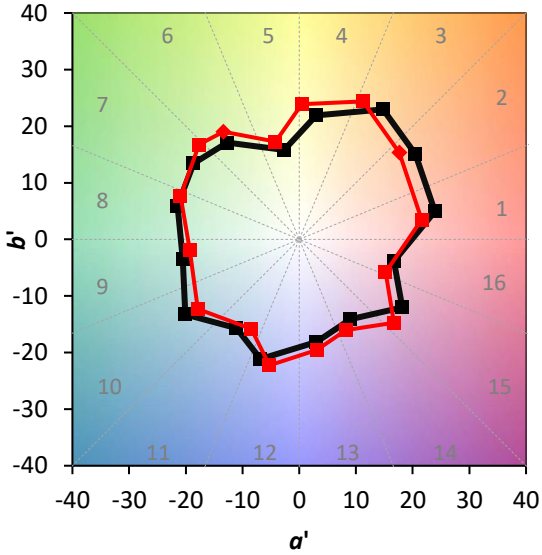
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

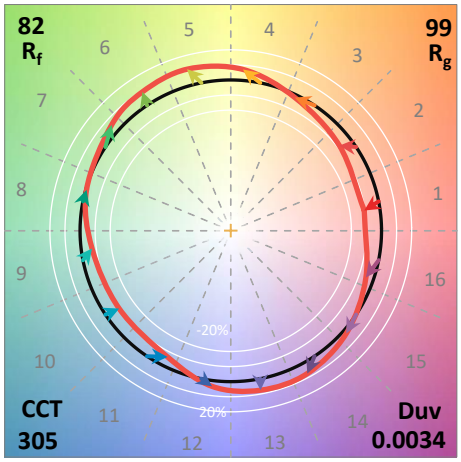
Spectral Power Distribution Comparison

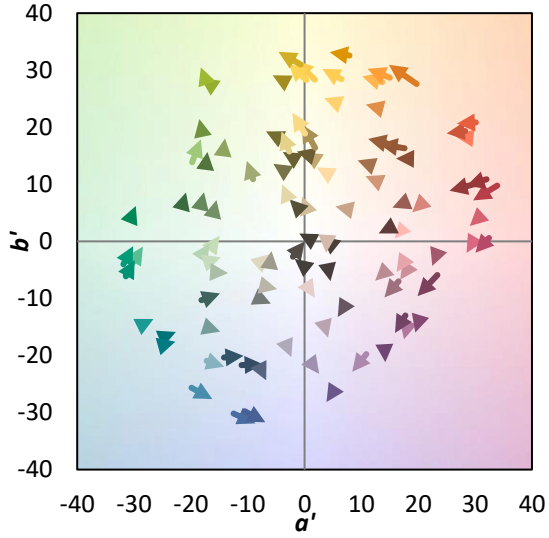


Color Vector Graphics









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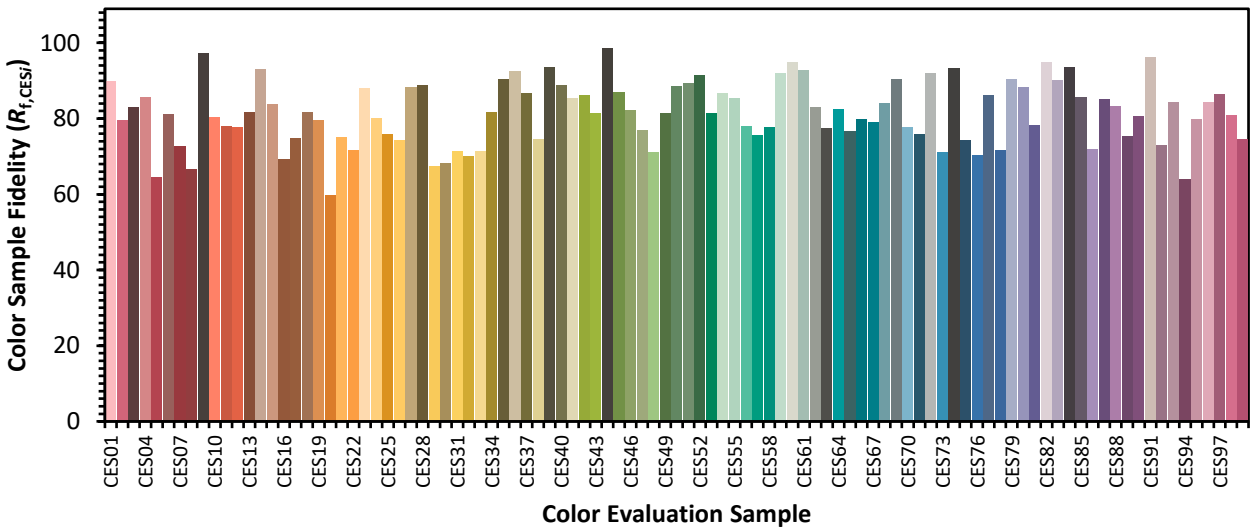
Individual Sample Fidelity Index ($R_{f,i}$)

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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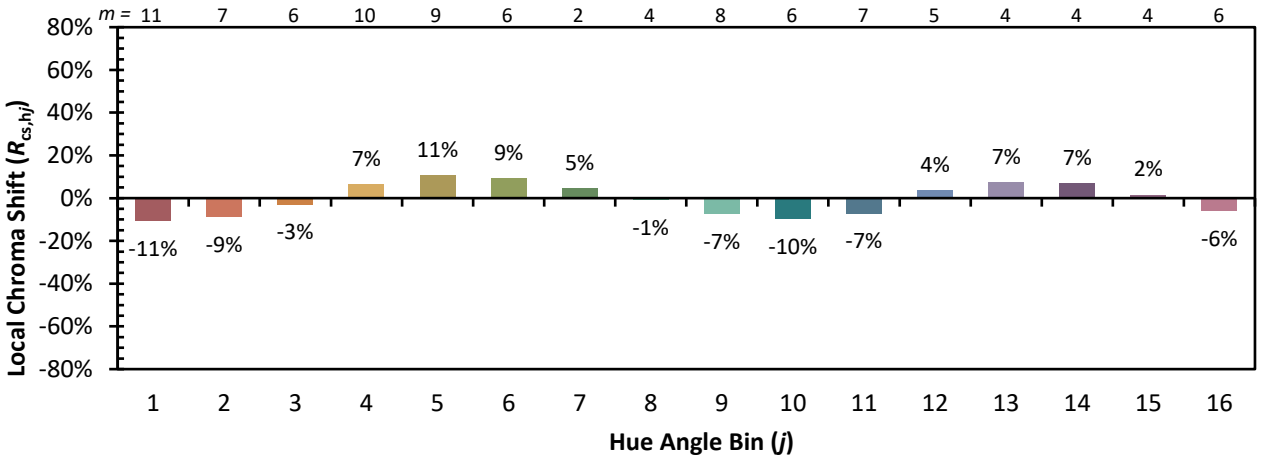
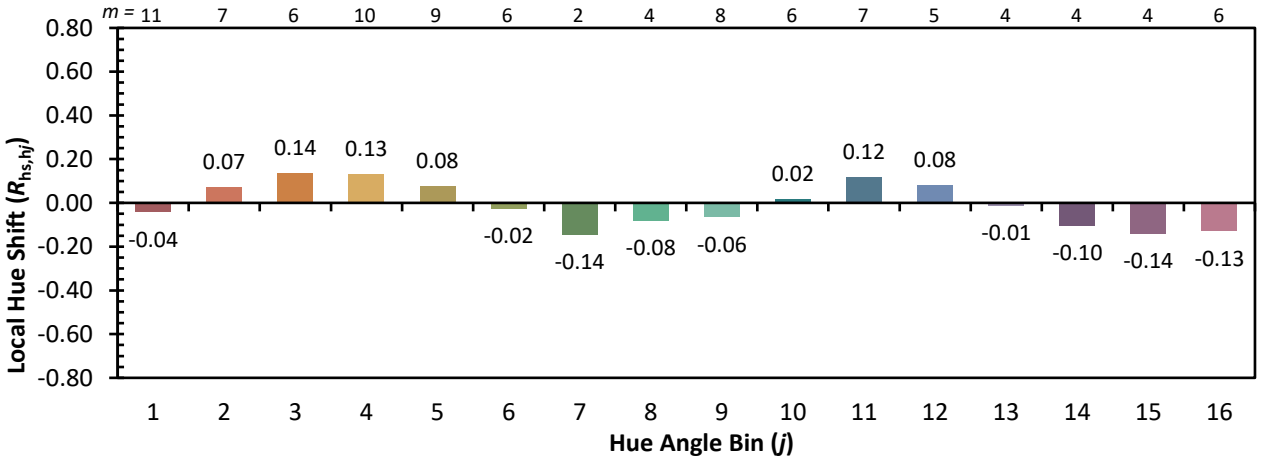
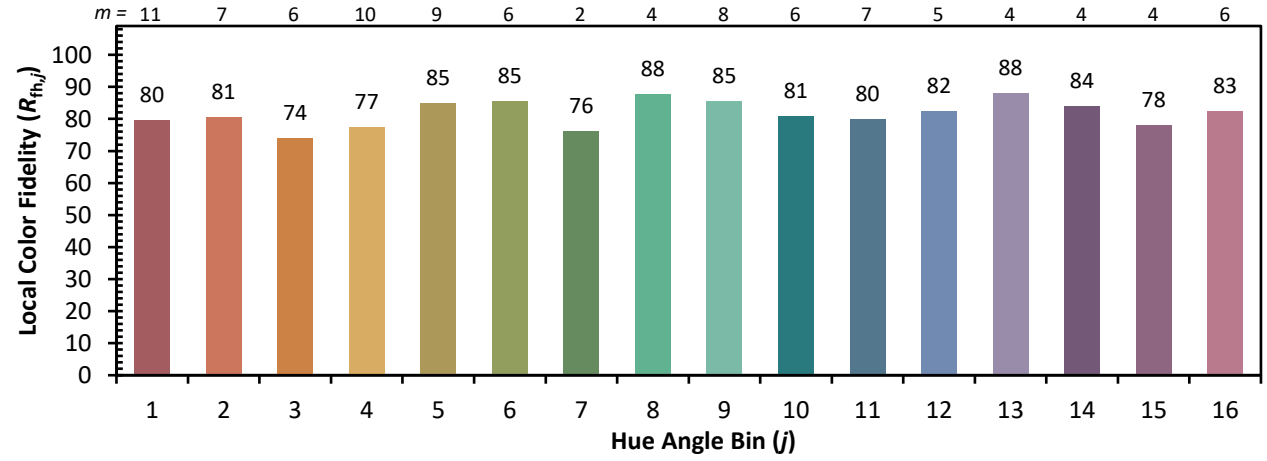
Color Rendition by Hue-Angle Bin







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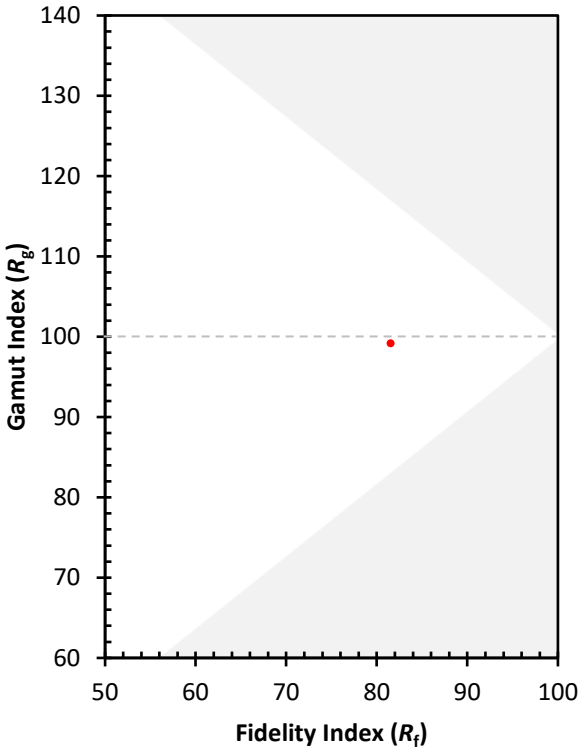
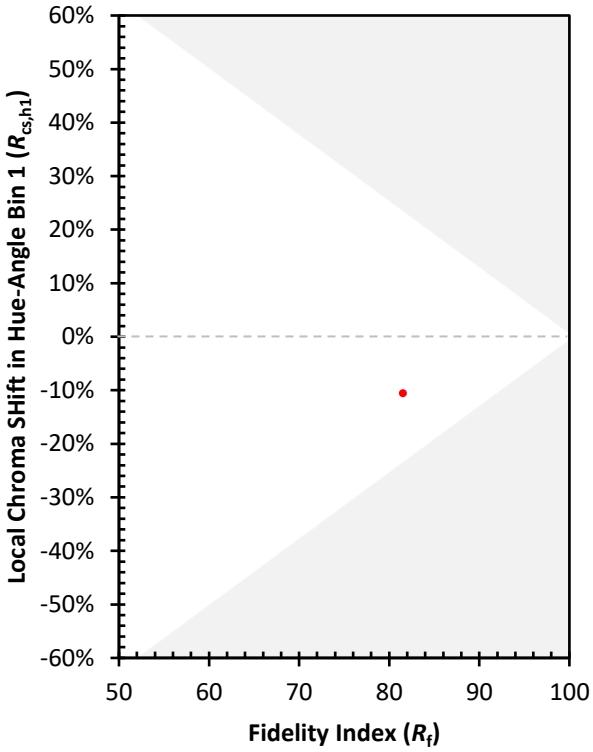
Measure Comparisons





(END OF REPORT)