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: P643932

Luminaire Tested: GWS-SA6F-830-U-T1-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:	P643932
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6F-830-U-T1-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	39464.5 lumens
Efficiency:	N/A
Efficacy:	105.9 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type I - Medium
BUG Rating:	B5 - 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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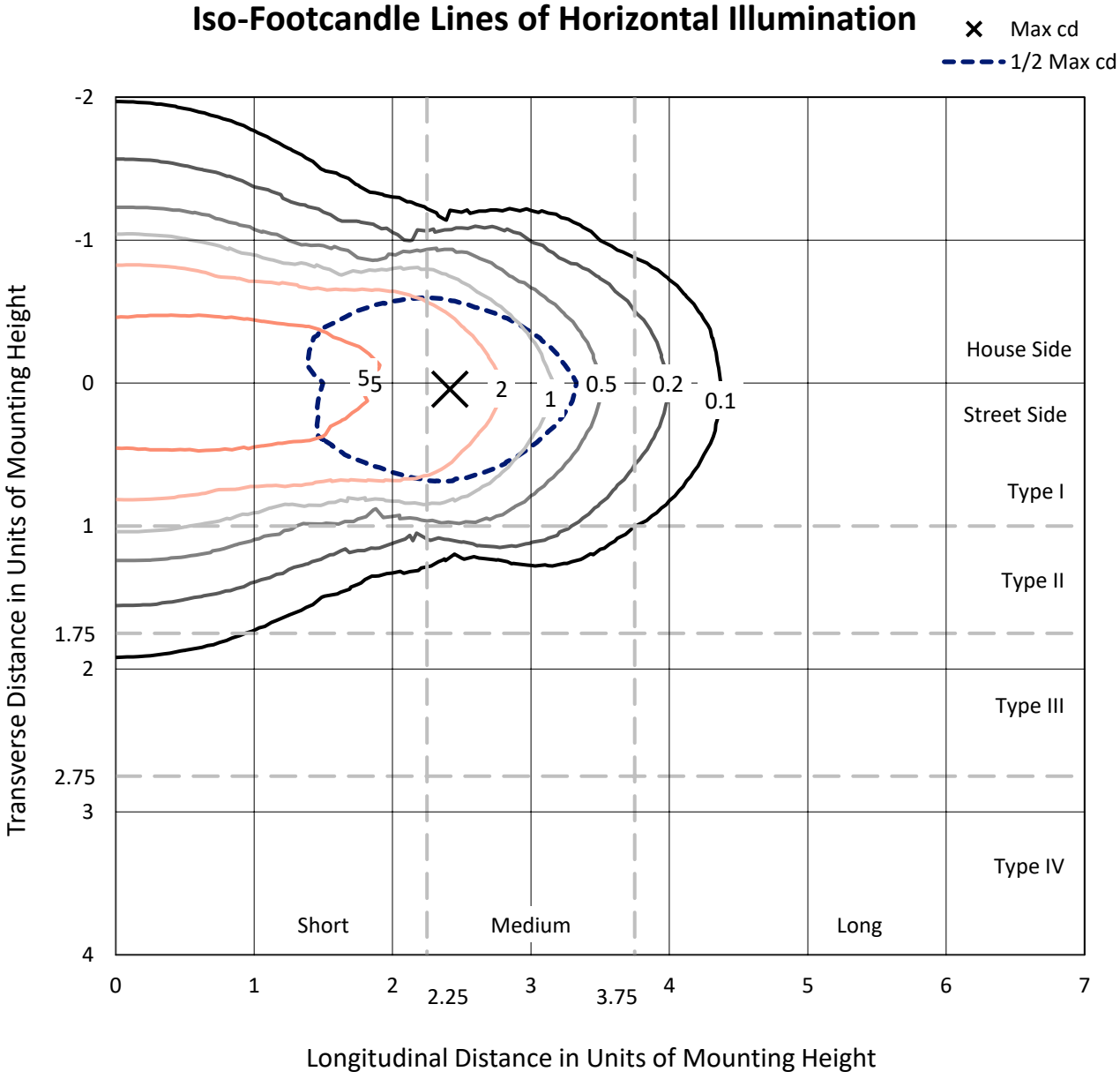
Scaled Data Report

REPORT NUMBER: P643932
CATALOG NUMBER: GWS-SA6F-830-U-T1-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 30 foot mounting height. Maximum calculated value = 8 fc
Type I - Medium - N/A

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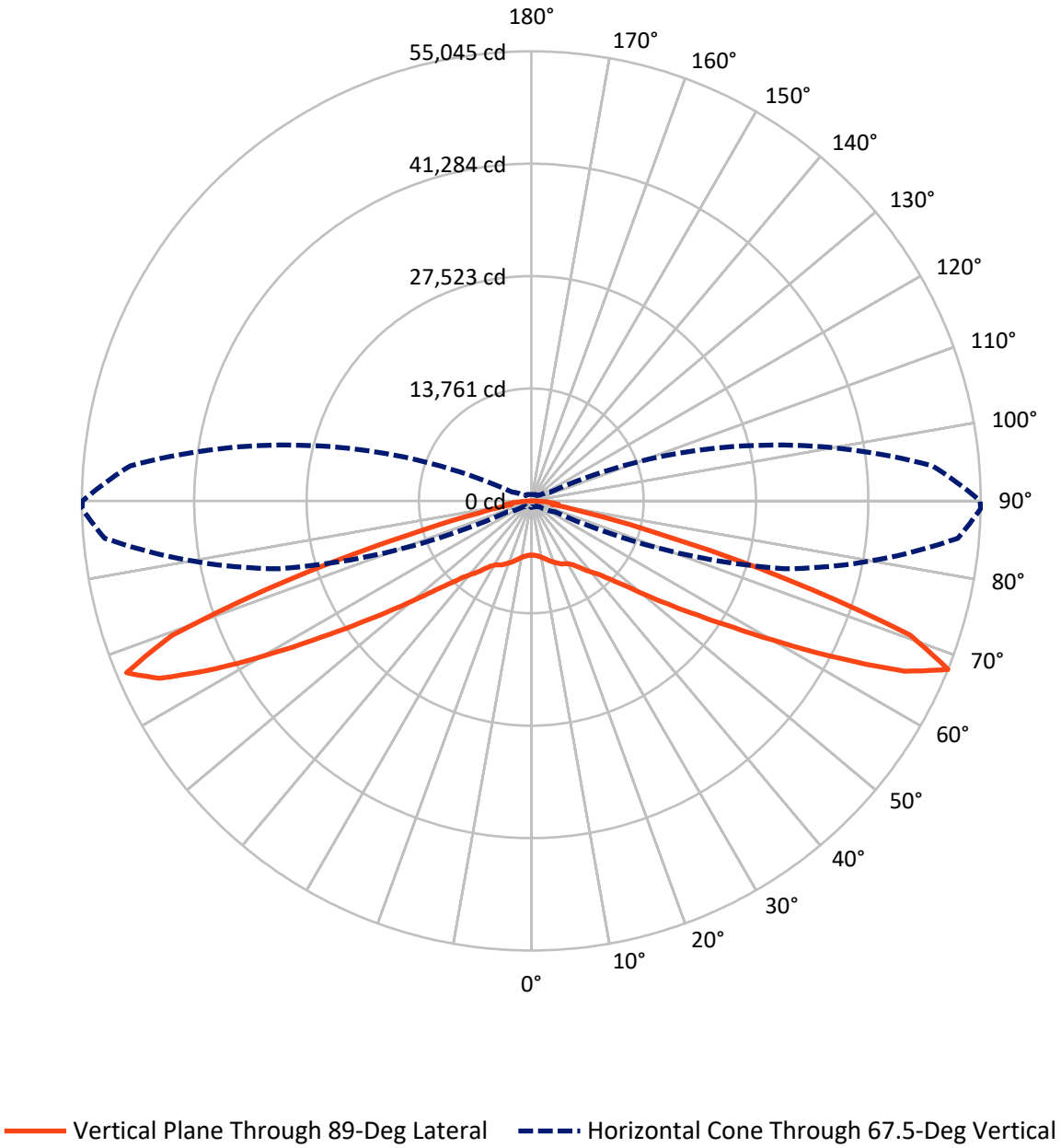
Luminous Intensity Polar Plot



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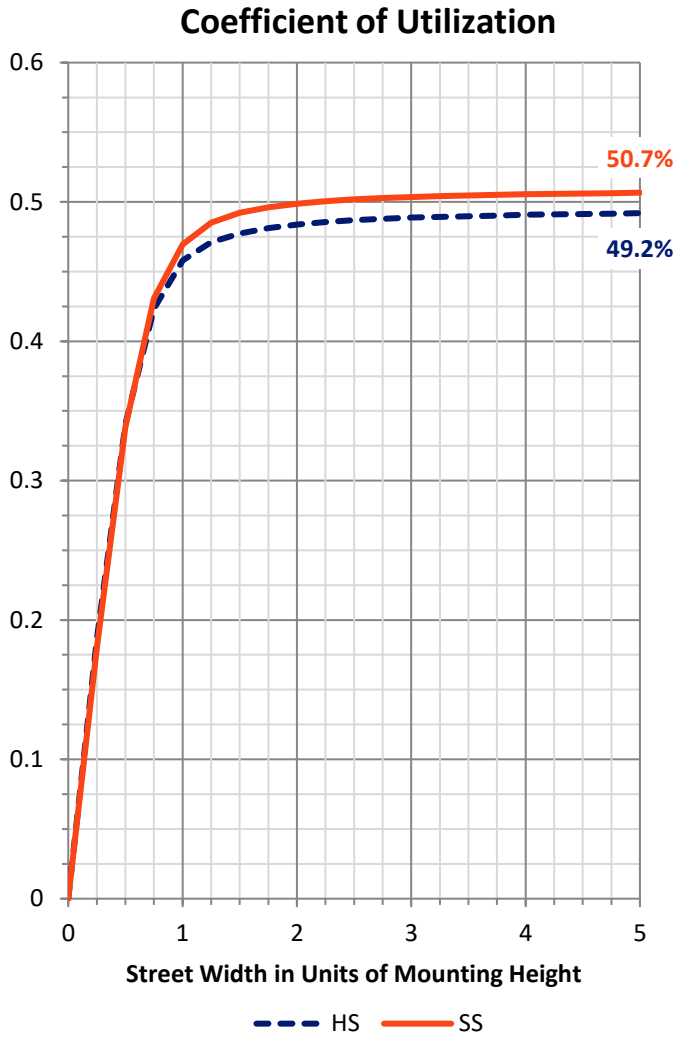
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19559.3	0.0	19559.3
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	19905.2	0.0	19905.2
	% Fixture	50.4	0.0	50.4
Total	Lumens	39464.5	0.0	39464.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	664.4	1.7
10°-20°	2163.4	5.5
20°-30°	3657.2	9.3
30°-40°	5019.0	12.7
40°-50°	6400.4	16.2
50°-60°	8030.3	20.3
60°-70°	9685.2	24.5
70°-80°	3503.8	8.9
80°-90°	340.7	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°	39464.5	100.0
0°-180°	39464.5	100.0



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REPORT NUMBER: P643932
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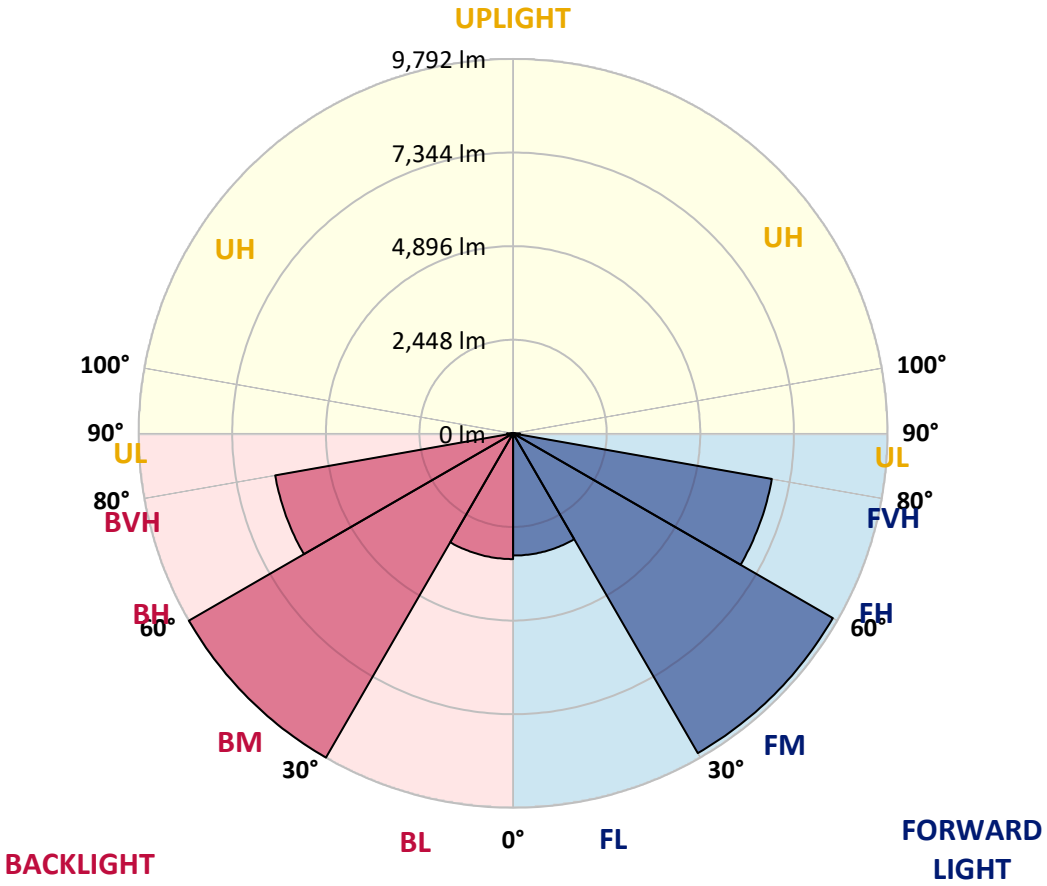
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3196.3	8.1			
FM	(30°-60°)	9657.7	24.5			
FH	(60°-80°)	6871.3	17.4			G3/7500
FVH	(80°-90°)	179.8	0.5			G2/225
BL	(0°-30°)	3288.7	8.3	B4/5000		
BM	(30°-60°)	9792.0	24.8	B5		
BH	(60°-80°)	6317.6	16.0	B5		G5
BVH	(80°-90°)	160.9	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
Type I Medium



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Scaled Data Report

REPORT NUMBER: P643932
CATALOG NUMBER: GWS-SA6F-830-U-T1-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	6623.8	6623.8	6623.8	6623.8	6623.8	6623.8	6623.8	6623.8	6623.8	6623.8	*6623.8*
2.5°	6643.6	6638.0	6623.8	6666.3	6657.8	6660.6	6677.7	6666.3	6646.5	6612.5	*6660.6*
5°	6830.7	6827.9	6796.7	6822.2	6793.9	6774.0	6771.2	6742.8	6720.2	6683.3	*6734.3*
7.5°	7012.1	7009.3	6983.8	7029.1	7006.4	6983.8	6958.2	6901.6	6847.7	6793.9	*6850.5*
10°	7151.0	7148.1	7142.5	7207.7	7213.3	7221.8	7210.5	7114.1	7020.6	6955.4	*7012.1*
12.5°	7230.3	7238.8	7253.0	7372.1	7431.6	7488.3	7502.4	7423.1	7267.2	7173.7	*7241.7*
15°	7176.5	7193.5	7264.4	7479.8	7644.2	7771.7	7825.5	7760.4	7559.1	7403.2	*7479.8*
17.5°	6918.6	6932.7	7071.6	7400.4	7763.2	8058.0	8145.8	8106.1	7882.2	7692.3	*7766.0*
20°	6561.4	6592.6	6742.8	7202.0	7743.4	8256.4	8491.6	8477.4	8233.7	7941.8	*8029.6*
22.5°	6238.3	6275.2	6433.9	6941.2	7610.1	8307.4	8840.2	8877.1	8554.0	8191.2	*8262.0*
25°	5875.5	5909.6	6113.6	6632.3	7380.6	8267.7	9137.8	9305.1	8916.8	8477.4	*8542.6*
27.5°	5504.2	5529.8	5731.0	6283.7	7080.1	8194.0	9373.1	9775.6	9273.9	8675.8	*8721.2*
30°	5178.3	5212.3	5396.5	5935.1	6751.3	8046.6	9565.8	10277.2	9684.9	8899.8	*8936.6*
32.5°	4863.7	4892.0	5093.3	5592.1	6402.7	7819.9	9738.7	10866.8	10294.2	9316.4	*9316.4*
35°	4466.9	4517.9	4744.6	5263.3	6073.9	7519.4	9863.4	11552.7	11127.5	9931.4	*9934.3*
37.5°	4101.3	4129.6	4367.7	4892.0	5728.2	7179.3	9874.8	12264.1	12181.9	10713.7	*10719.4*
40°	3684.6	3721.5	3976.5	4495.2	5331.3	6822.2	9767.1	12927.3	13287.3	11518.7	*11487.5*
42.5°	3262.3	3316.2	3559.9	4067.2	4903.4	6385.7	9480.8	13559.4	14690.3	12451.2	*12374.6*
45°	2854.2	2888.2	3131.9	3610.9	4413.0	5864.2	9021.6	14165.9	16356.8	13868.3	*13757.8*
47.5°	2395.0	2409.2	2661.4	3120.6	3905.7	5283.2	8364.1	14707.3	18187.8	15744.6	*15554.7*
50°	1986.9	2006.7	2205.1	2599.1	3285.0	4594.4	7545.0	15024.7	20520.5	18304.0	*17975.2*
52.5°	1607.1	1626.9	1785.6	2100.2	2715.3	3809.3	6530.3	14951.0	22887.1	21481.3	*21002.3*
55°	1298.1	1312.3	1420.0	1666.6	2137.1	3029.9	5331.3	14290.6	25514.5	25630.7	*24599.0*
57.5°	1096.9	1102.5	1176.2	1326.5	1669.4	2335.5	4115.4	12731.8	28269.5	30925.2	*29230.3*
60°	980.7	983.5	1017.5	1111.1	1318.0	1782.8	3015.7	10248.9	31123.6	37549.0	*35224.9*
62.5°	907.0	907.0	935.3	989.2	1094.0	1371.8	2216.4	7360.7	33172.8	44756.7	*42446.7*
65°	836.1	836.1	856.0	901.3	958.0	1119.6	1663.7	4747.5	34179.0	50782.5	*50269.4*
67.5°	*745.4*	*748.3*	*762.4*	*810.6*	*861.6*	*935.3*	*1261.3*	*3211.3*	*32090.1*	*52449.0*	*55045.3*
70°	660.4	663.2	683.1	714.2	756.8	807.8	986.3	2213.6	23357.6	43682.5	*49217.9*
72.5°	566.9	578.2	592.4	626.4	651.9	688.7	804.9	1434.2	13590.5	28099.4	*32535.1*
75°	464.8	479.0	496.0	530.0	547.0	561.2	663.2	1023.2	6538.8	14239.6	*16215.1*
77.5°	360.0	374.1	394.0	425.1	436.5	453.5	507.3	739.8	3131.9	6312.0	*6805.2*
80°	240.9	246.6	263.6	300.4	320.3	331.6	374.1	504.5	1360.5	2533.9	*2511.2*
82.5°	147.4	150.2	155.9	178.6	187.1	198.4	243.8	308.9	649.1	2879.7	*3302.0*
85°	53.9	51.0	48.2	62.4	73.7	85.0	113.4	155.9	283.4	1978.4	*2213.6*
87.5°	0.0	0.0	0.0	2.8	5.7	5.7	11.3	22.7	68.0	739.8	*507.3*
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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CATALOG NUMBER: GWS-SA6F-830-U-T1-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6623.8	6623.8	6623.8	6623.8	6623.8	6623.8	6623.8	6623.8	6623.8	6623.8	6623.8
2.5°	6646.5	6615.3	6655.0	6683.3	6745.7	6768.3	6774.0	6754.2	6754.2	6720.2	6725.8
5°	6723.0	6703.2	6768.3	6816.5	6907.2	6941.2	6963.9	6949.7	6958.2	6935.6	6941.2
7.5°	6839.2	6822.2	6935.6	7029.1	7122.6	7162.3	7182.2	7170.8	7173.7	7145.3	7153.8
10°	7000.8	7006.4	7142.5	7264.4	7389.1	7428.7	7437.2	7403.2	7374.9	7323.9	7326.7
12.5°	7221.8	7250.2	7442.9	7579.0	7706.5	7763.2	7700.8	7576.1	7459.9	7372.1	7360.7
15°	7462.8	7513.8	7791.5	7964.4	8103.3	8075.0	7890.7	7610.1	7380.6	7250.2	7224.7
17.5°	7751.9	7828.4	8177.0	8383.9	8503.0	8321.6	7936.1	7516.6	7196.3	7020.6	6986.6
20°	8024.0	8145.8	8585.1	8854.4	8868.6	8460.4	7916.2	7326.7	6924.2	6708.8	6663.5
22.5°	8273.4	8429.3	9013.1	9356.1	9171.8	8522.8	7794.4	7057.4	6595.5	6343.2	6303.5
25°	8545.5	8766.5	9512.0	9832.2	9475.1	8497.3	7539.3	6723.0	6198.7	5940.7	5912.4
27.5°	8732.5	9010.3	10013.6	10319.7	9724.5	8352.7	7210.5	6357.4	5835.9	5592.1	5552.4
30°	8947.9	9302.2	10566.3	10849.8	9877.6	8140.2	6859.0	6017.3	5498.6	5235.0	5206.6
32.5°	9339.1	9784.1	11252.2	11411.0	9925.8	7876.6	6521.8	5688.5	5147.1	4883.5	4843.8
35°	9968.3	10489.8	12215.9	12037.3	9888.9	7587.5	6201.5	5303.0	4787.2	4540.6	4500.9
37.5°	10761.9	11411.0	13290.1	12601.4	9786.9	7270.0	5821.7	4979.9	4464.0	4214.6	4192.0
40°	11501.7	12300.9	14494.7	13088.9	9580.0	6878.9	5456.1	4642.6	4115.4	3851.8	3800.8
42.5°	12428.5	13491.3	15889.2	13511.2	9239.9	6411.2	5045.1	4226.0	3678.9	3440.9	3378.5
45°	13837.1	15157.9	17510.4	13916.5	8732.5	5835.9	4529.2	3718.6	3199.9	2956.2	2908.0
47.5°	15594.4	17241.1	19267.7	14157.4	7961.6	5229.3	3945.4	3182.9	2664.3	2389.3	2366.7
50°	18063.1	20271.0	21152.5	14114.9	7100.0	4509.4	3287.8	2545.2	2111.6	1913.2	1882.0
52.5°	21070.3	24074.7	23190.4	13604.7	6184.5	3690.3	2562.2	1998.2	1675.1	1533.4	1507.9
55°	24842.8	28629.4	25336.0	12510.7	5028.1	2825.8	2012.4	1575.9	1354.8	1269.8	1258.4
57.5°	29513.7	34527.6	27402.2	10668.4	3781.0	2156.9	1550.4	1301.0	1196.1	1145.1	1142.2
60°	35678.4	40788.7	29196.3	8290.4	2706.8	1649.6	1281.1	1162.1	1079.9	1045.9	1043.0
62.5°	43007.9	46474.3	30313.0	5646.0	2035.0	1315.1	1128.1	1054.4	1006.2	986.3	983.5
65°	50541.5	50068.2	29780.2	3698.8	1544.7	1116.7	1011.9	972.2	929.7	909.8	909.8
67.5°	*54991.4*	*49308.6*	*25690.2*	*2567.9*	*1224.4*	*980.7*	*912.7*	*875.8*	*804.9*	*787.9*	*787.9*
70°	48707.7	39955.4	16838.7	1879.2	992.0	858.8	793.6	742.6	714.2	697.2	694.4
72.5°	32214.8	25999.2	8953.6	1303.8	827.6	731.3	671.7	651.9	617.9	600.9	598.0
75°	16033.7	13655.7	4588.8	941.0	688.7	586.7	561.2	552.7	524.3	501.7	496.0
77.5°	6683.3	6079.6	2139.9	683.1	524.3	473.3	450.7	450.7	419.5	394.0	382.6
80°	2519.7	2244.8	1011.9	467.7	388.3	351.5	337.3	325.9	300.4	269.3	252.3
82.5°	3370.0	2202.3	496.0	291.9	255.1	226.7	206.9	198.4	184.2	170.1	158.7
85°	2182.4	1564.5	223.9	150.2	127.5	96.4	85.0	79.4	70.9	62.4	56.7
87.5°	445.0	524.3	68.0	28.3	17.0	8.5	8.5	2.8	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

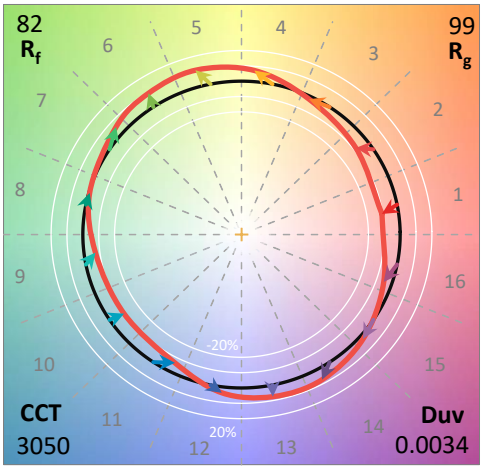
Test Information

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

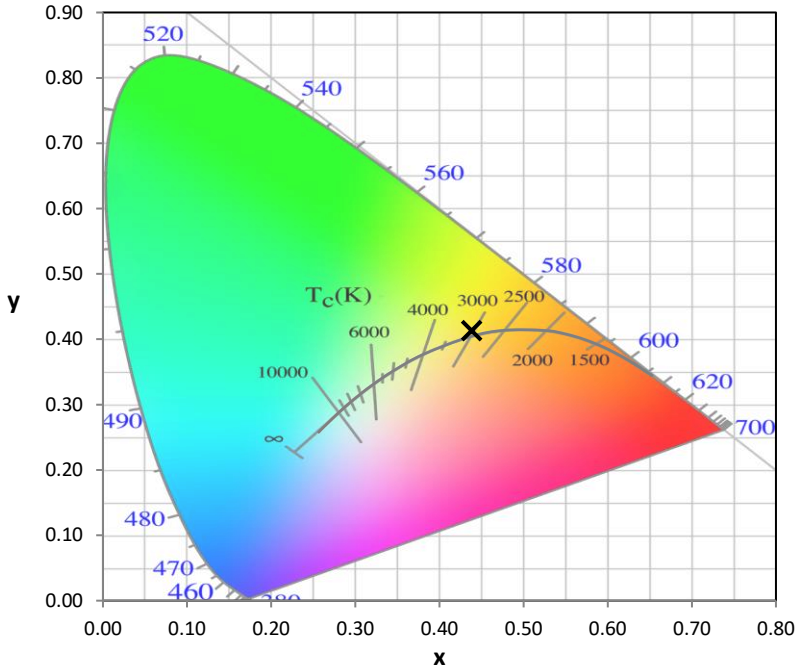
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

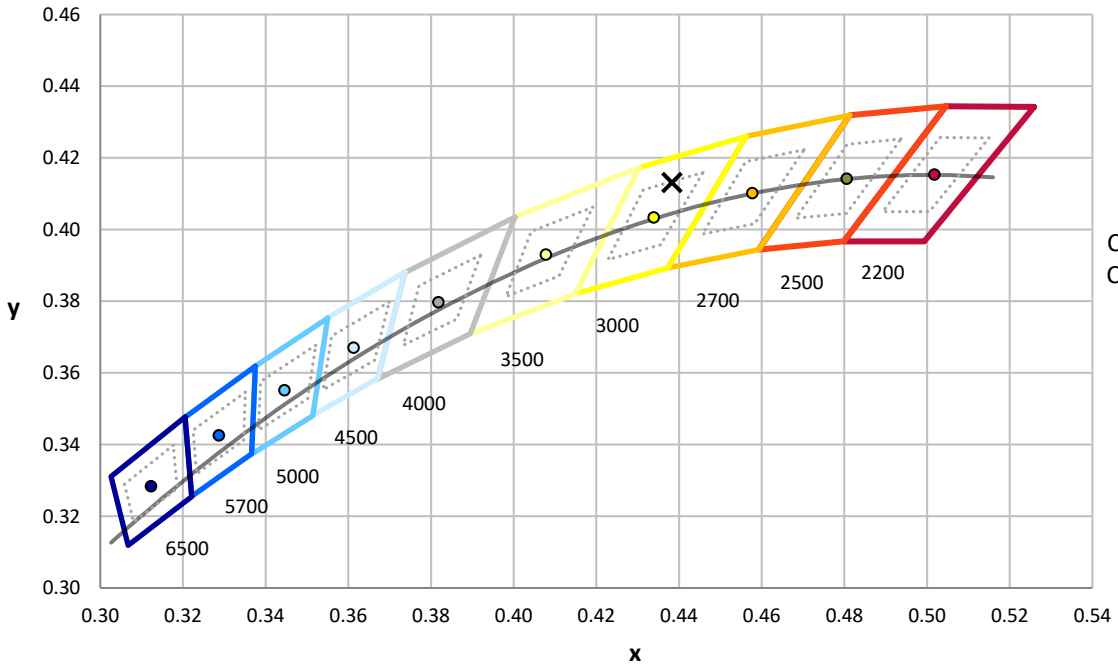
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

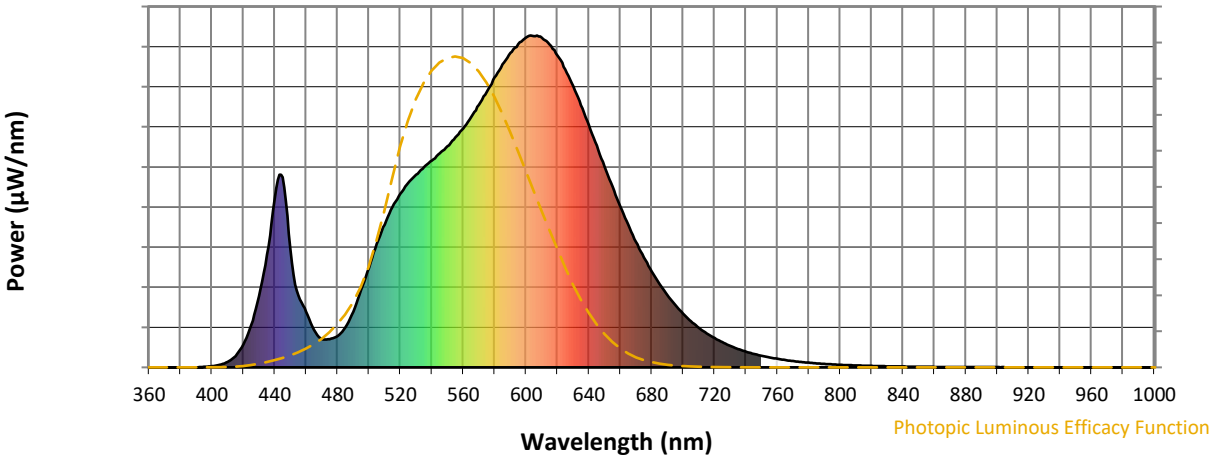


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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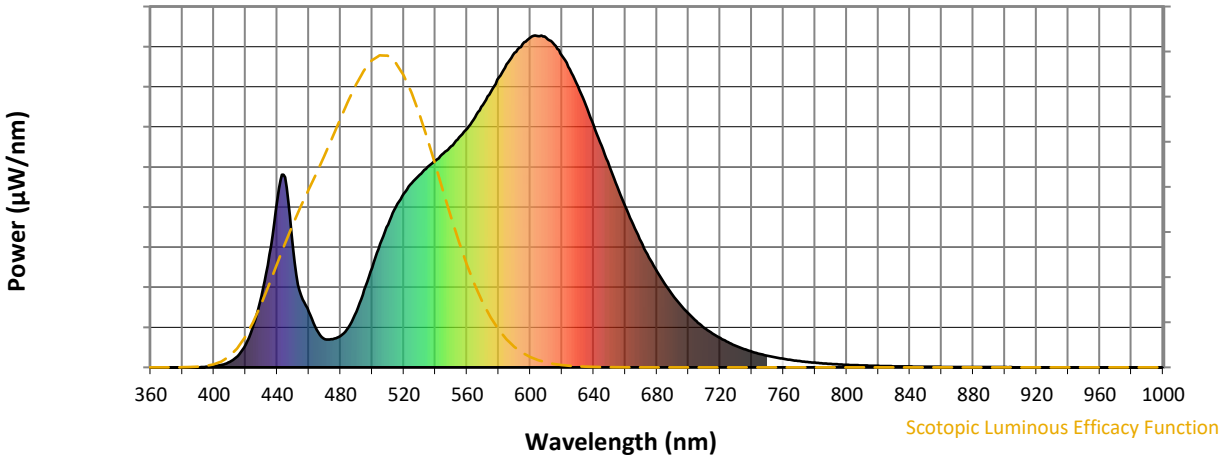
Scotopic Flux vs. Wavelength



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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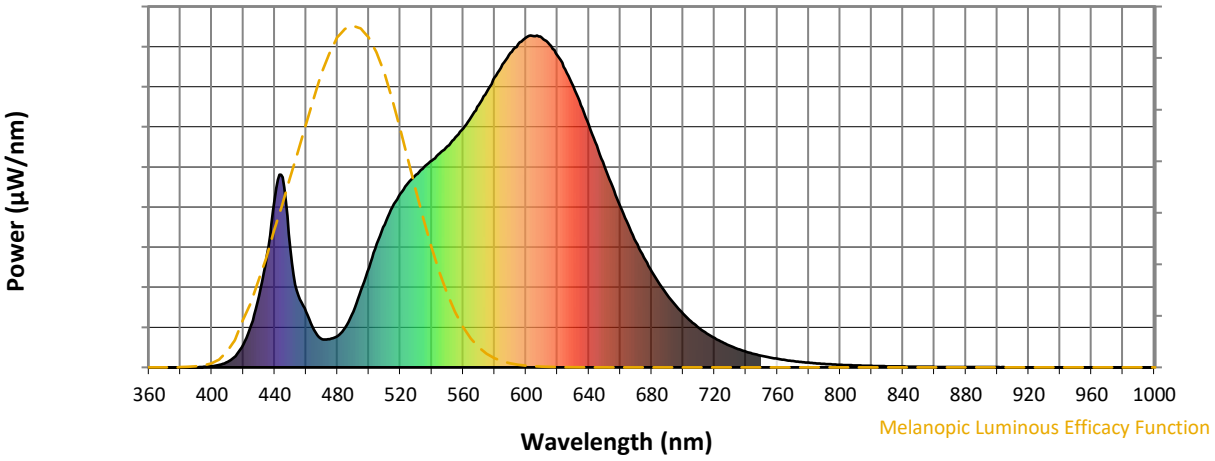
Melanopic Flux vs. Wavelength



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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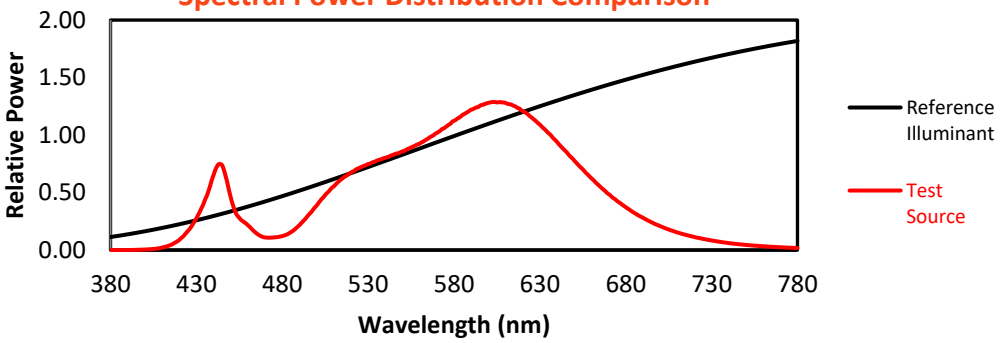
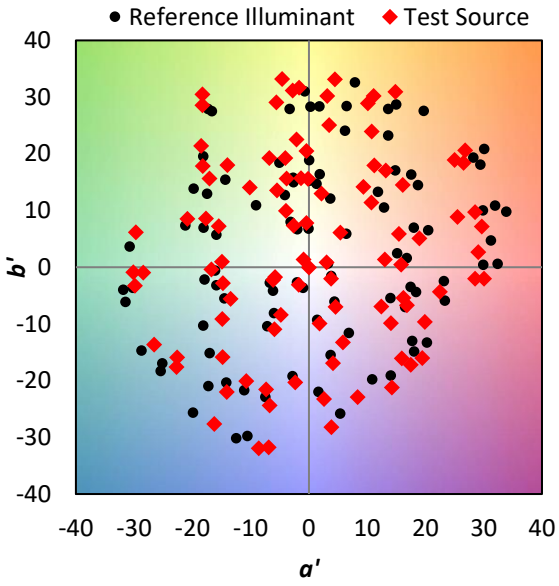
Summary

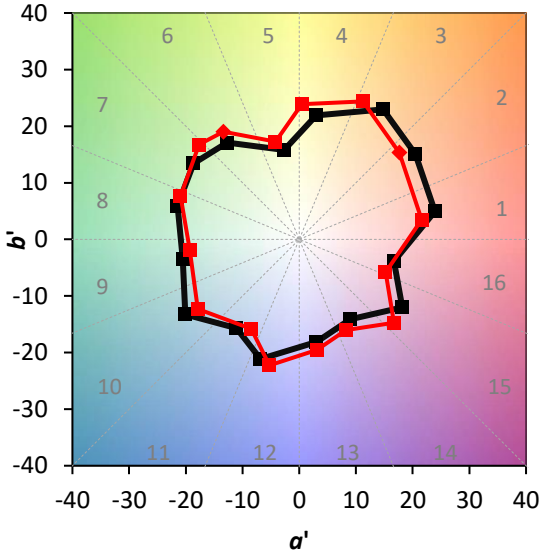
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

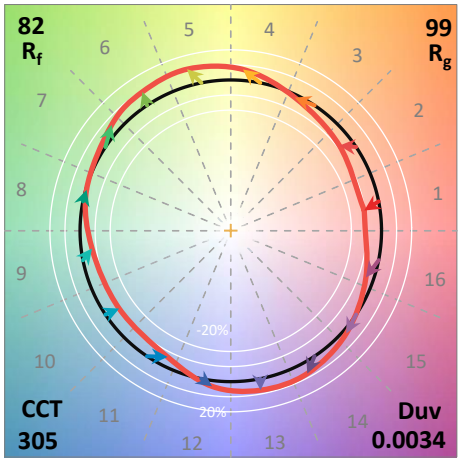
Spectral Power Distribution Comparison

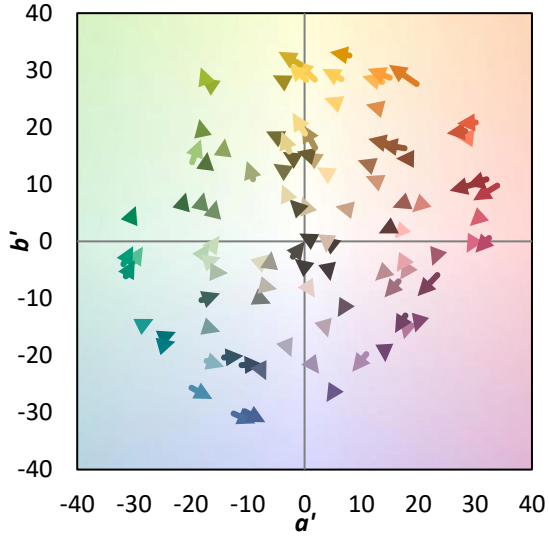


Color Vector Graphics









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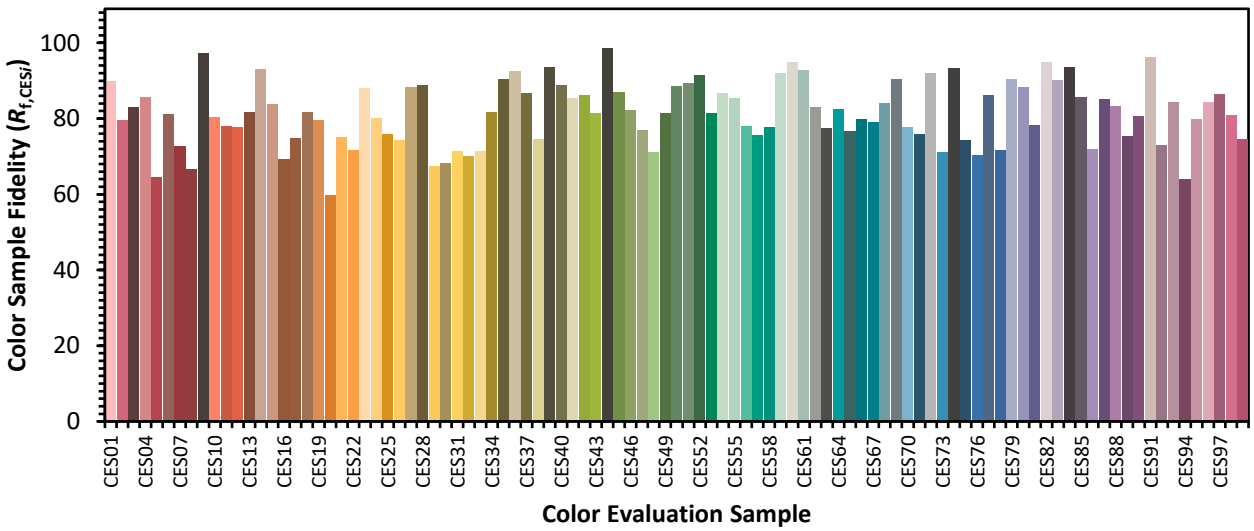
Individual Sample Fidelity Index ($R_{f,i}$)

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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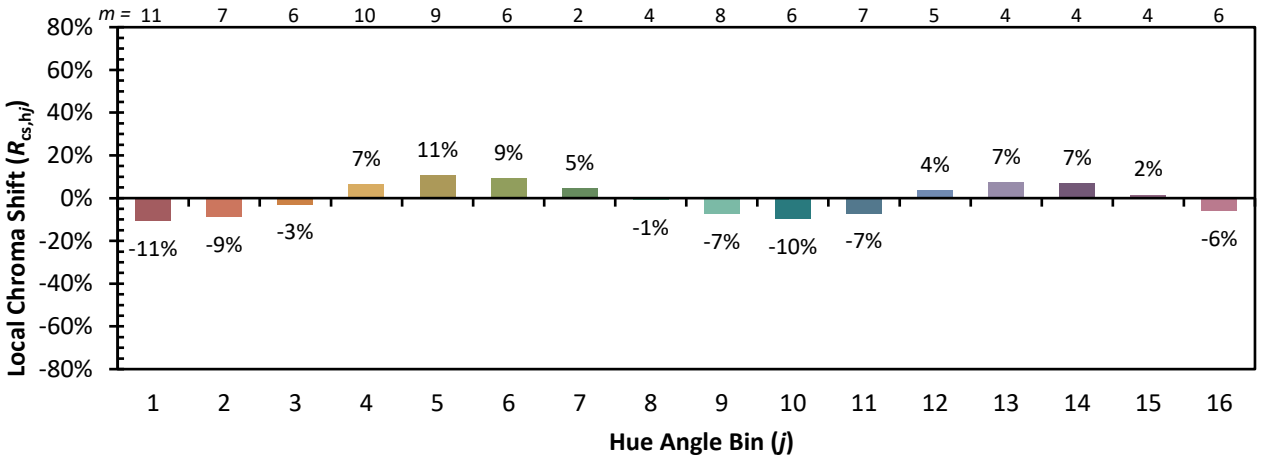
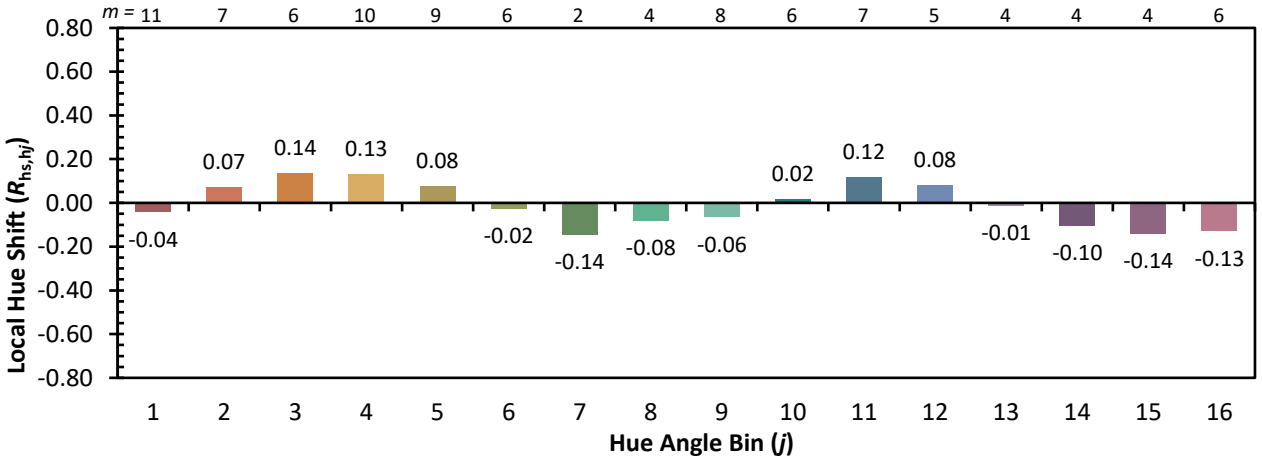
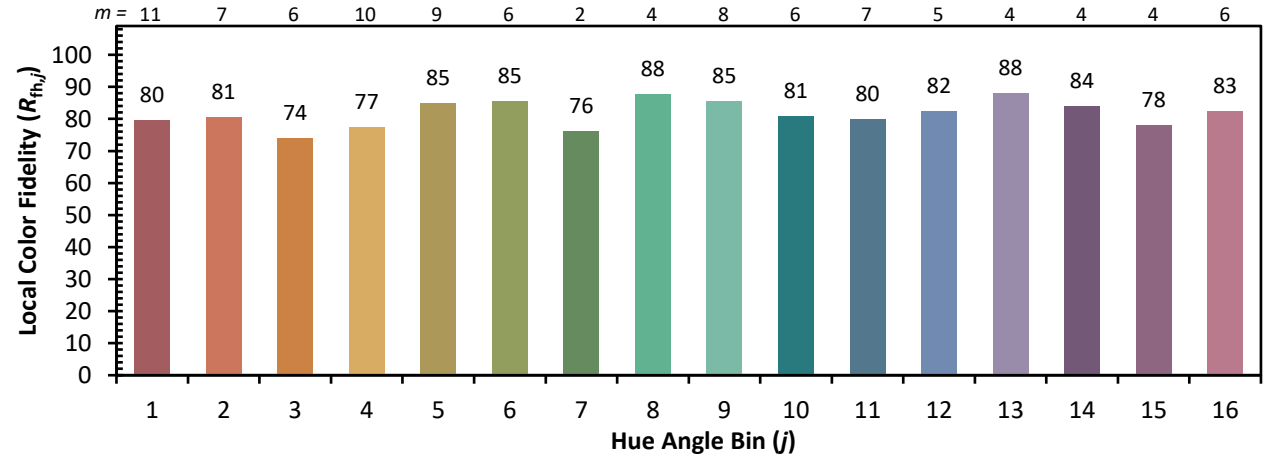
Color Rendition by Hue-Angle Bin







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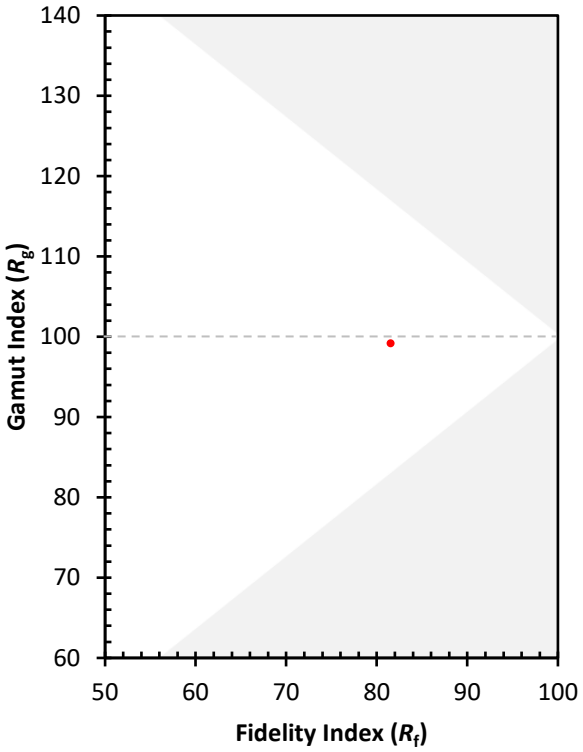
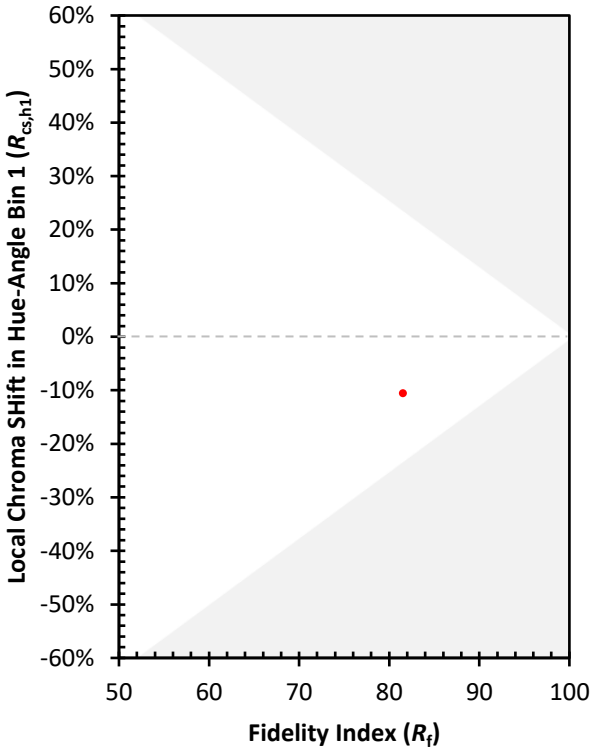
Measure Comparisons





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