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: P643935

Luminaire Tested: GWS-SA6F-830-U-T2-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:	P643935
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6F-830-U-T2-W-HSS
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	29615.4 lumens
Efficiency:	N/A
Efficacy:	79.5 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - 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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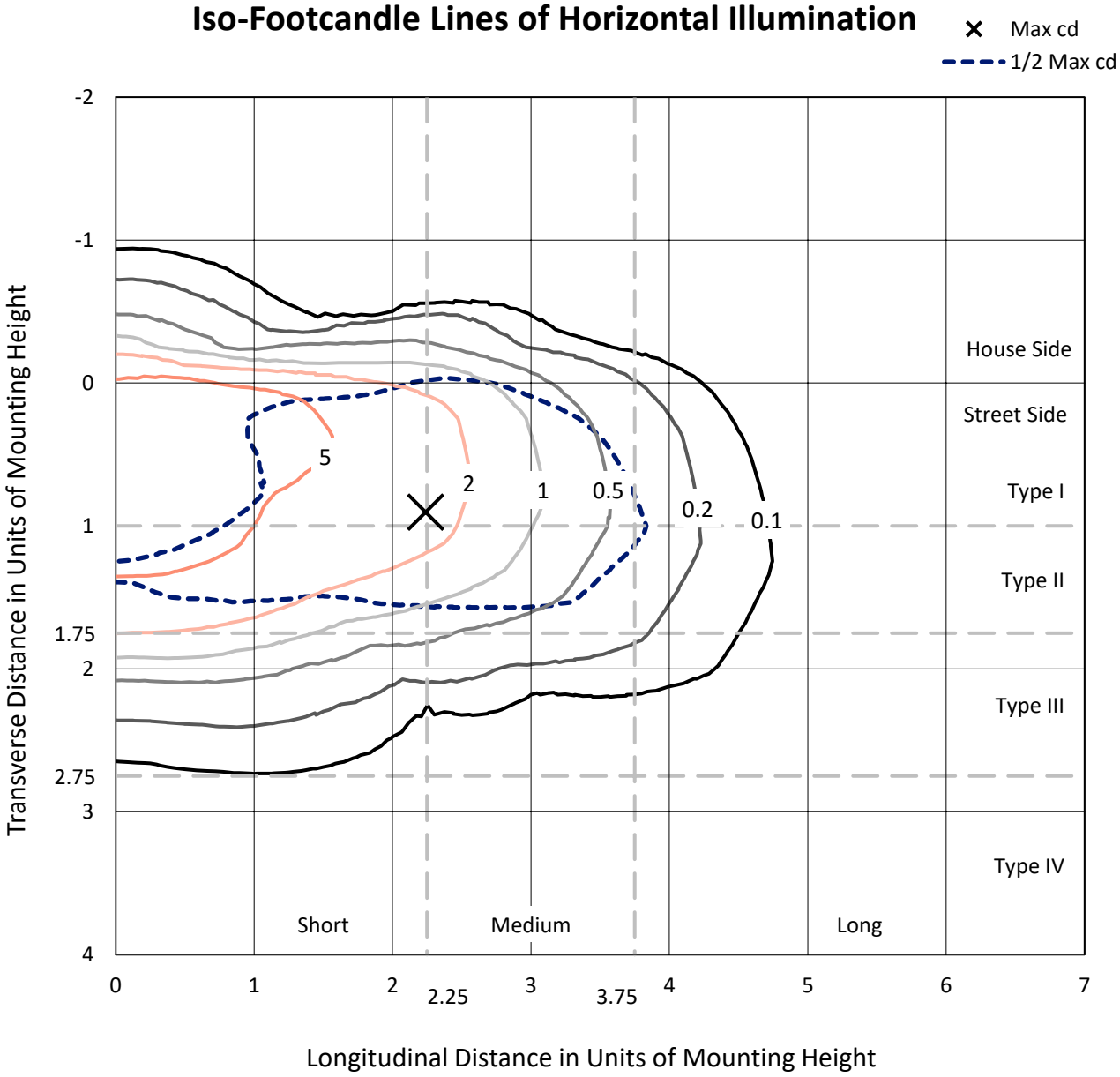
REPORT NUMBER: P643935
CATALOG NUMBER: GWS-SA6F-830-U-T2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
Type II - Short - N/A

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REPORT NUMBER: P643935
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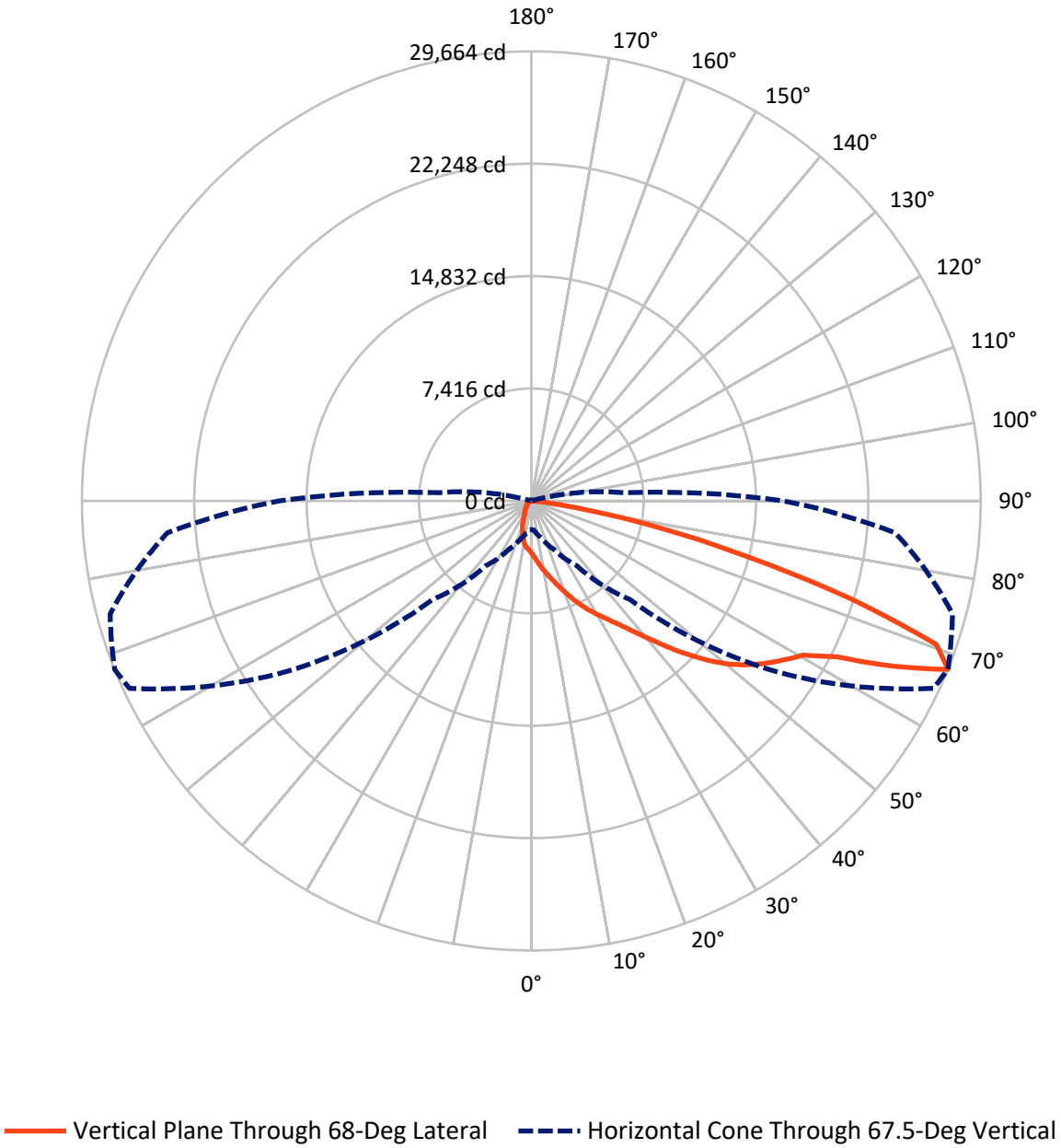
Luminous Intensity Polar Plot



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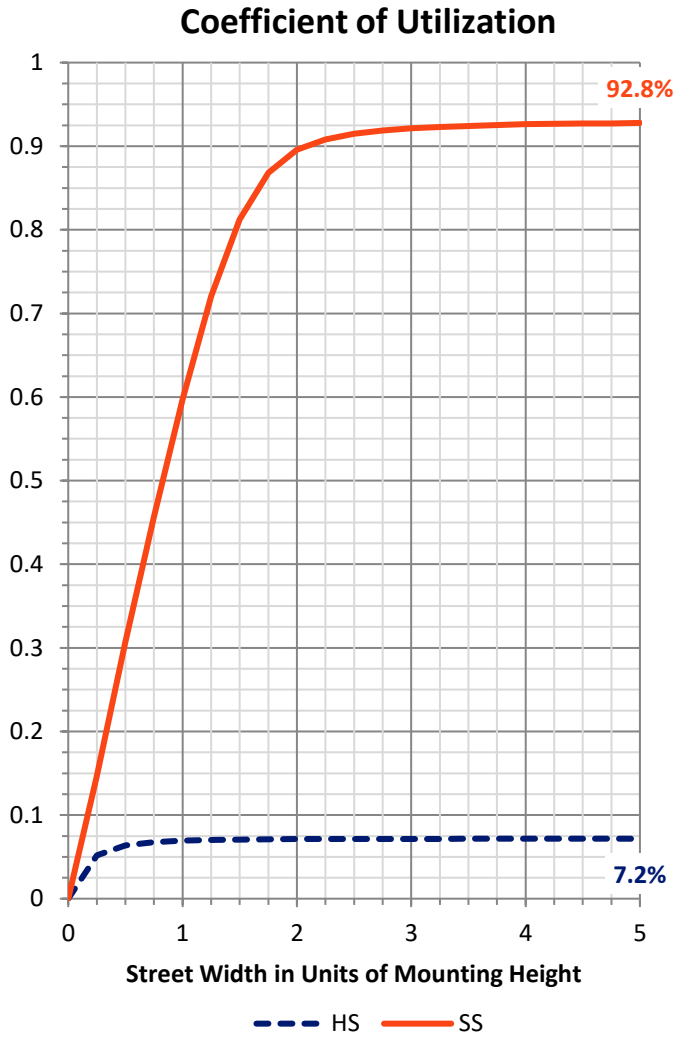
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2138.6	0.0	2138.6
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	27476.8	0.0	27476.8
	% Fixture	92.8	0.0	92.8
Total	Lumens	29615.4	0.0	29615.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.1	1.1
10°-20°	965.3	3.3
20°-30°	1658.8	5.6
30°-40°	2884.1	9.7
40°-50°	5032.4	17.0
50°-60°	7590.2	25.6
60°-70°	7611.0	25.7
70°-80°	3358.0	11.3
80°-90°	179.4	0.6
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°	29615.4	100.0
0°-180°	29615.4	100.0



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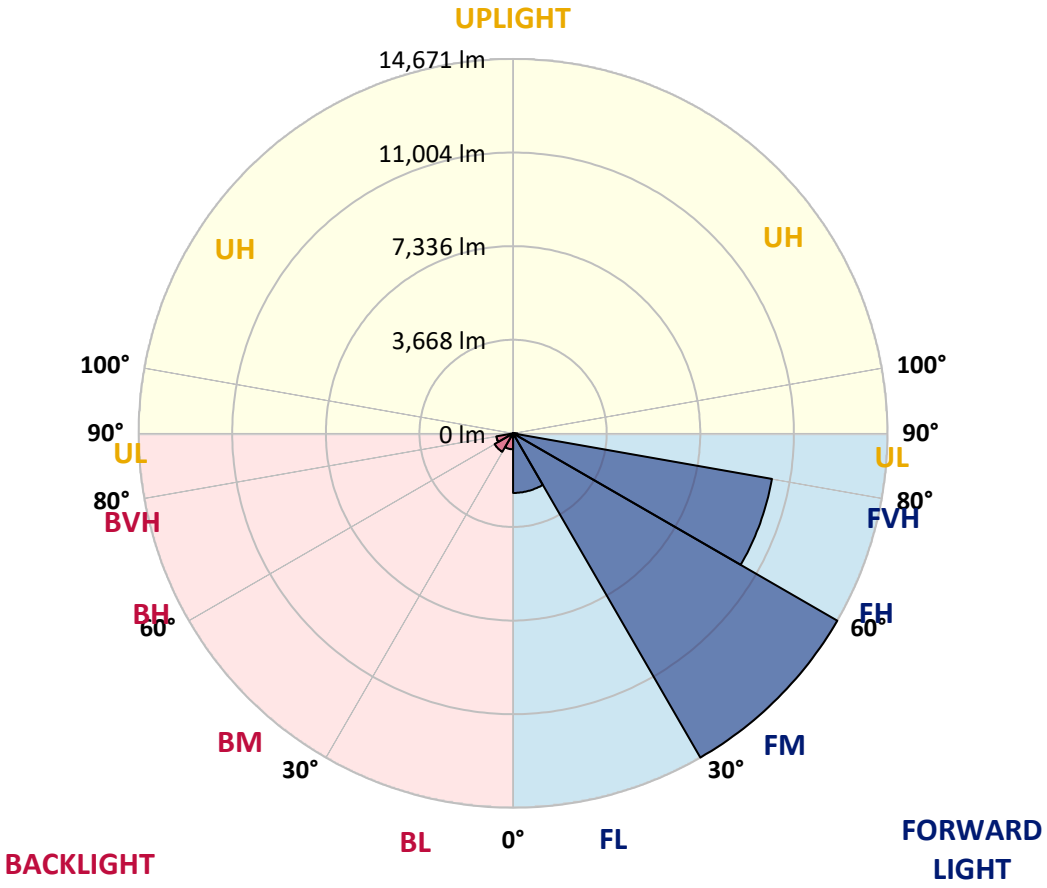
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2334.6	7.9			
FM	(30°-60°)	14671.4	49.5			
FH	(60°-80°)	10301.6	34.8			G4/12000
FVH	(80°-90°)	169.2	0.6			G2/225
BL	(0°-30°)	625.7	2.1	B2/1000		
BM	(30°-60°)	835.4	2.8	B1/1000		
BH	(60°-80°)	667.4	2.3	B2/1000		G2/1000
BVH	(80°-90°)	10.1	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
Type II Short



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Scaled Data Report

REPORT NUMBER: P643935
CATALOG NUMBER: GWS-SA6F-830-U-T2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	3446.5	3446.5	3446.5	3446.5	3446.5	3446.5	3446.5	3446.5	*3446.5*	3446.5	3446.5
2.5°	4013.3	4038.8	4013.3	4019.0	3945.3	3911.3	3837.6	3735.6	*3710.1*	3644.9	3545.7
5°	4503.7	4526.3	4500.8	4495.2	4410.1	4347.8	4225.9	4050.2	*3999.2*	3871.6	3676.1
7.5°	4770.1	4784.3	4792.8	4806.9	4775.8	4724.7	4614.2	4396.0	*4342.1*	4135.2	3860.3
10°	4798.4	4809.8	4852.3	4937.3	4999.7	5030.8	4968.5	4767.3	*4682.2*	4481.0	4087.0
12.5°	4719.1	4736.1	4804.1	4945.8	5118.7	5277.4	5317.1	5141.4	*5064.9*	4806.9	4353.4
15°	4614.2	4628.4	4721.9	4914.6	5175.4	5467.3	5631.7	5555.2	*5470.2*	5200.9	4648.2
17.5°	4452.6	4472.5	4602.9	4863.6	5200.9	5617.5	5971.8	5997.3	*5937.8*	5645.9	4974.2
20°	4362.0	4376.1	4492.3	4761.6	5183.9	5728.1	6289.3	6530.2	*6465.0*	6158.9	5348.3
22.5°	4438.5	4449.8	4526.3	4736.1	5127.2	5790.4	6584.0	7063.0	*7026.2*	6708.7	5742.2
25°	4840.9	4877.8	4832.4	4869.3	5152.7	5824.4	6822.1	7595.9	*7604.4*	7284.1	6150.4
27.5°	5657.2	5609.0	5501.3	5317.1	5351.1	5915.1	7026.2	8097.5	*8171.2*	7845.3	6513.2
30°	6487.7	6459.3	6394.1	6107.9	5869.8	6116.4	7199.1	8610.5	*8726.7*	8398.0	6836.3
32.5°	7420.1	7448.5	7332.3	6989.3	6584.0	6524.5	7377.6	9098.0	*9316.3*	9024.3	7216.1
35°	8534.0	8542.5	8312.9	7933.1	7474.0	7199.1	7697.9	9636.5	*10039.0*	9823.6	7723.4
37.5°	9619.5	9670.5	9545.8	8947.8	8539.7	8038.0	8227.9	10328.1	*10895.0*	10809.9	8361.1
40°	10580.4	10659.7	10620.0	10041.8	9506.2	9083.9	9049.8	11138.7	*11929.5*	12025.8	9202.9
42.5°	11345.6	11396.6	11427.8	11016.8	10543.5	10305.4	10064.5	12079.7	*13151.0*	13545.0	10234.6
45°	12153.4	12170.4	12235.6	11957.8	11544.0	11563.8	11263.4	13221.9	*14437.8*	15228.6	11419.3
47.5°	13182.2	13238.9	13207.7	12915.8	12541.7	12765.6	12502.0	14398.1	*15707.6*	17025.5	12632.4
50°	14435.0	14494.5	14466.1	14126.0	13709.4	13802.9	13638.5	15540.3	*16932.0*	18720.4	13641.4
52.5°	15081.2	15129.4	15480.8	15633.9	15415.6	14820.4	14607.9	16795.9	*17966.5*	20114.9	14568.2
55°	14769.4	14803.4	15568.7	16214.9	17014.2	16419.0	15582.8	17765.2	*18879.1*	21203.2	15256.9
57.5°	13477.0	13661.2	14701.4	15795.4	17476.1	17997.7	17164.4	18819.6	*19757.7*	21960.0	15934.3
60°	10826.9	10818.4	12309.3	14273.4	16574.8	18431.3	19397.8	20245.2	*20639.2*	22541.0	16841.3
62.5°	5983.2	6037.0	8021.0	10608.7	14069.3	17308.9	21072.8	22708.2	*22648.7*	23555.7	18261.2
65°	2978.8	3086.5	4163.6	6076.7	9361.6	14304.6	21361.9	26466.5	*26296.4*	25945.0	21194.7
67.5°	*1890.5*	*1933.0*	*2528.2*	*3531.5*	*5203.7*	*9194.4*	*19562.2*	*29269.6*	*29663.5*	*28779.2*	*24105.5*
70°	1224.4	1295.3	1757.3	2414.8	3140.4	4738.9	14330.1	27452.8	*28356.9*	28467.5	22291.6
72.5°	666.1	717.1	1122.4	1723.2	2267.4	2369.5	8049.3	20602.4	*22056.3*	24148.0	17439.3
75°	379.8	416.6	615.0	1170.6	1663.7	1442.6	3568.4	13791.6	*14718.4*	17257.9	12496.3
77.5°	229.6	260.8	345.8	569.7	1043.0	963.7	1349.1	8395.1	*8984.7*	10296.9	6558.5
80°	104.9	124.7	218.2	314.6	569.7	456.3	515.8	3914.1	*4041.7*	4225.9	2171.1
82.5°	48.2	56.7	99.2	187.1	323.1	263.6	198.4	904.1	*1272.6*	1204.6	552.7
85°	5.7	5.7	36.8	76.5	90.7	68.0	82.2	204.1	*257.9*	362.8	158.7
87.5°	0.0	0.0	2.8	2.8	5.7	8.5	17.0	25.5	*36.8*	59.5	39.7
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: P643935
CATALOG NUMBER: GWS-SA6F-830-U-T2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3446.5	3446.5	3446.5	3446.5	3446.5	3446.5	3446.5	3446.5	3446.5	3446.5	3446.5
2.5°	3500.3	3421.0	3350.1	3245.2	3174.4	3095.0	3041.2	2976.0	2950.5	2930.6	2902.3
5°	3579.7	3452.1	3279.3	3086.5	2927.8	2777.6	2638.7	2548.0	2468.7	2457.3	2417.6
7.5°	3710.1	3520.2	3228.2	2913.6	2644.4	2395.0	2199.4	2040.7	1961.3	1935.8	1890.5
10°	3883.0	3622.2	3151.7	2669.9	2281.6	1984.0	1762.9	1584.4	1459.7	1414.3	1380.3
12.5°	4075.7	3715.7	3029.8	2369.5	1927.3	1587.2	1306.6	1116.7	1037.3	1009.0	983.5
15°	4296.8	3803.6	2837.1	2069.0	1581.5	1167.7	969.3	887.1	853.1	844.6	836.1
17.5°	4509.3	3860.3	2607.5	1757.3	1215.9	907.0	813.4	782.3	773.8	765.3	759.6
20°	4750.2	3900.0	2338.3	1462.5	943.8	768.1	722.7	700.1	683.1	666.1	663.2
22.5°	4996.8	3900.0	2046.3	1173.4	790.8	688.7	637.7	595.2	564.0	547.0	541.3
25°	5232.1	3846.1	1757.3	938.1	697.2	612.2	547.0	498.8	456.3	436.5	430.8
27.5°	5399.3	3707.2	1505.0	793.6	632.0	544.2	464.8	411.0	377.0	357.1	354.3
30°	5504.2	3500.3	1272.6	708.6	575.4	473.3	394.0	348.6	323.1	308.9	303.3
32.5°	5583.5	3245.2	1065.7	649.0	521.5	411.0	342.9	306.1	283.4	272.1	269.3
35°	5742.2	3004.3	912.6	595.2	464.8	360.0	300.4	272.1	255.1	240.9	238.1
37.5°	5963.3	2803.1	790.8	547.0	411.0	320.3	272.1	246.6	232.4	218.2	215.4
40°	6289.3	2675.6	700.1	498.8	362.8	289.1	249.4	226.7	206.9	192.7	189.9
42.5°	6790.9	2616.0	640.5	450.6	320.3	260.8	229.6	201.2	181.4	167.2	164.4
45°	7389.0	2647.2	589.5	402.5	291.9	240.9	204.1	175.7	155.9	141.7	138.9
47.5°	8029.5	2757.8	547.0	357.1	263.6	221.1	181.4	150.2	133.2	119.0	116.2
50°	8698.4	2939.1	510.2	314.6	240.9	198.4	155.9	130.4	113.4	102.0	99.2
52.5°	9279.4	3185.7	473.3	283.4	221.1	175.7	136.0	113.4	96.4	85.0	82.2
55°	9834.9	3418.1	445.0	255.1	198.4	153.1	119.0	96.4	82.2	70.9	68.0
57.5°	10438.6	3664.7	411.0	229.6	178.6	136.0	104.9	82.2	70.9	59.5	56.7
60°	11317.3	4030.3	360.0	209.7	155.9	119.0	90.7	73.7	62.4	48.2	45.3
62.5°	12584.2	4696.4	303.3	181.4	133.2	102.0	76.5	62.4	51.0	39.7	34.0
65°	14953.6	5830.1	249.4	150.2	107.7	85.0	65.2	51.0	39.7	28.3	25.5
67.5°	*16659.9*	*6124.9*	*201.2*	*121.9*	*87.9*	*65.2*	*53.9*	*39.7*	*28.3*	*19.8*	*17.0*
70°	14565.3	4398.8	155.9	99.2	73.7	51.0	42.5	31.2	19.8	14.2	11.3
72.5°	10974.3	2874.0	116.2	76.5	56.7	42.5	31.2	25.5	17.0	11.3	8.5
75°	7734.7	1660.9	85.0	56.7	39.7	31.2	25.5	19.8	14.2	8.5	8.5
77.5°	3965.2	685.9	59.5	39.7	28.3	19.8	17.0	11.3	11.3	8.5	5.7
80°	1204.6	226.7	34.0	25.5	19.8	14.2	8.5	8.5	8.5	5.7	2.8
82.5°	274.9	73.7	19.8	19.8	14.2	11.3	8.5	2.8	2.8	0.0	0.0
85°	70.9	22.7	17.0	14.2	14.2	11.3	5.7	2.8	0.0	0.0	0.0
87.5°	25.5	14.2	14.2	14.2	11.3	8.5	5.7	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

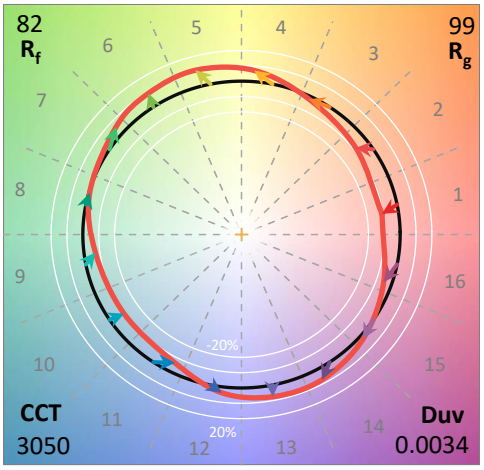
Test Information

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

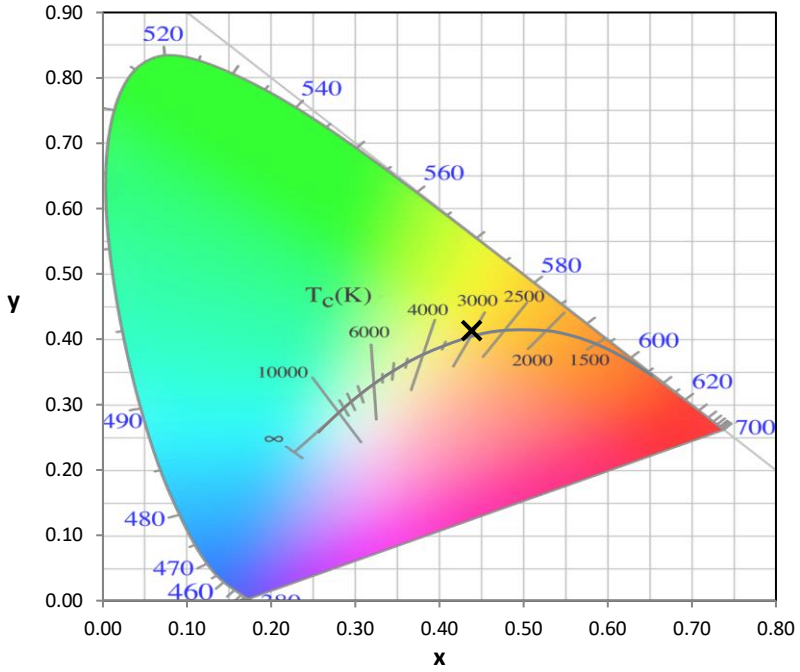
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

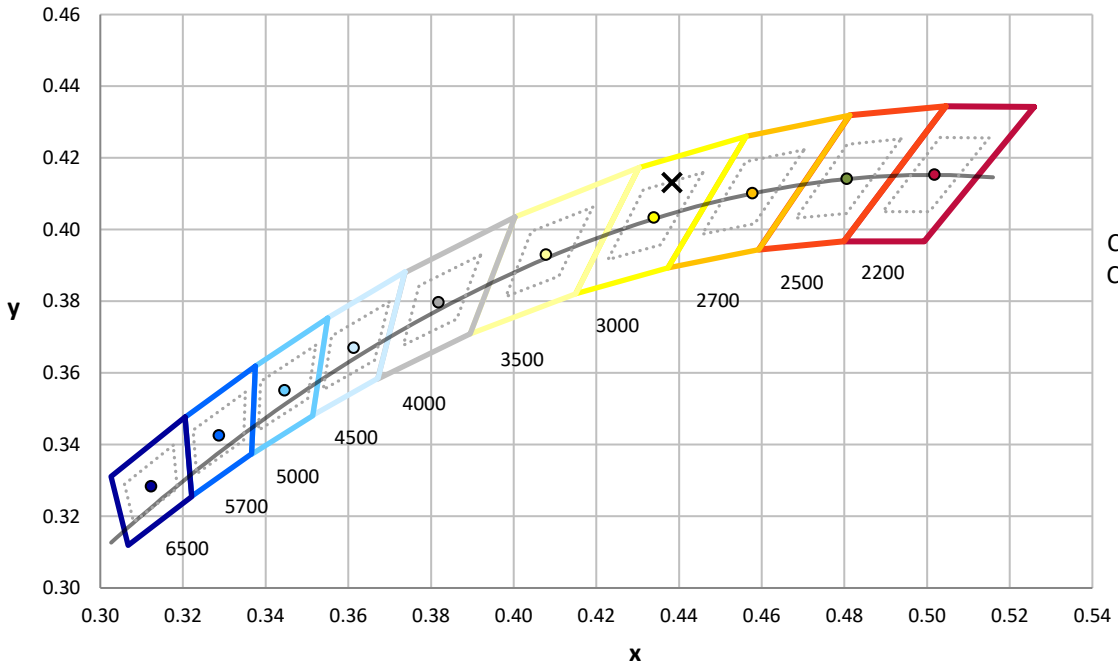
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

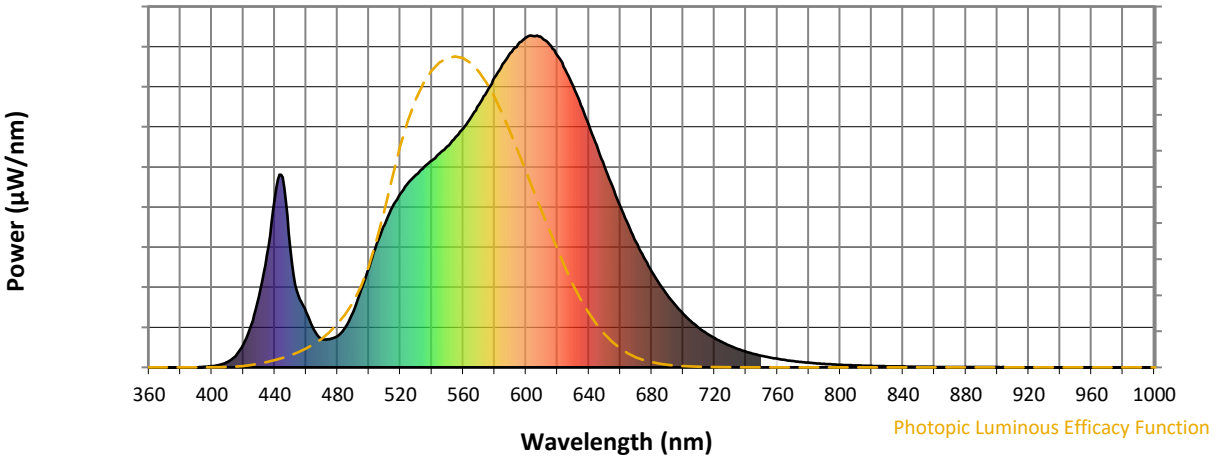


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

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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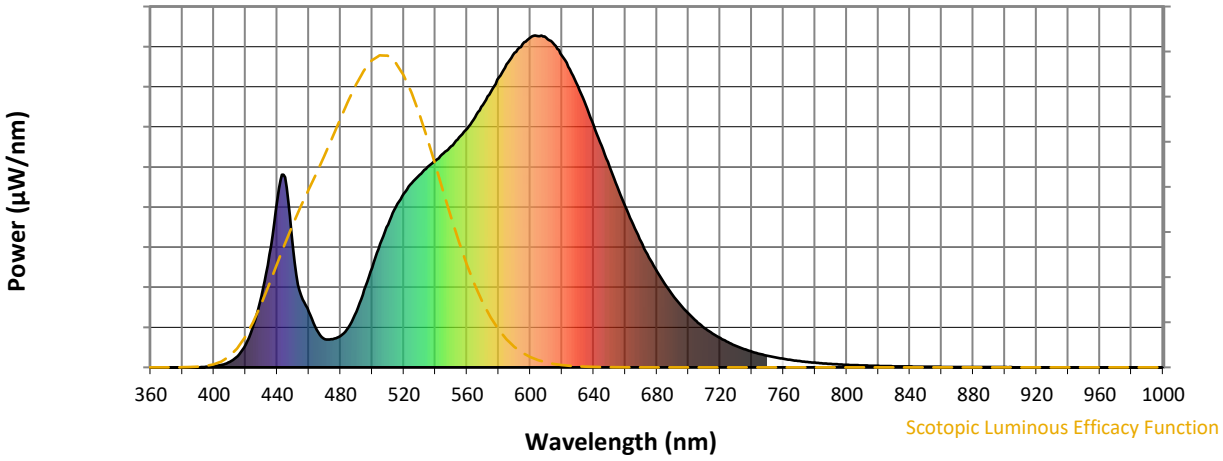
Scotopic Flux vs. Wavelength



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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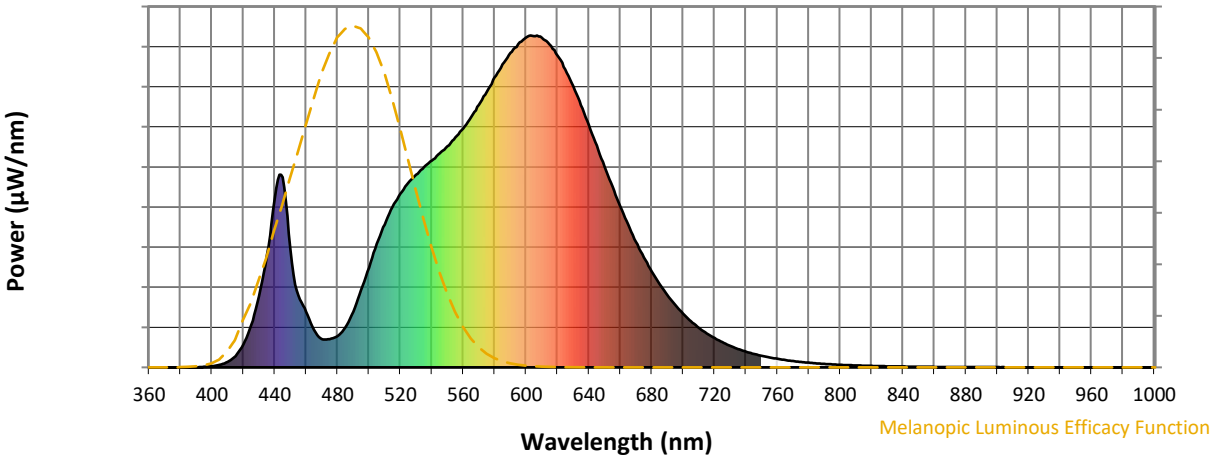
Melanopic Flux vs. Wavelength



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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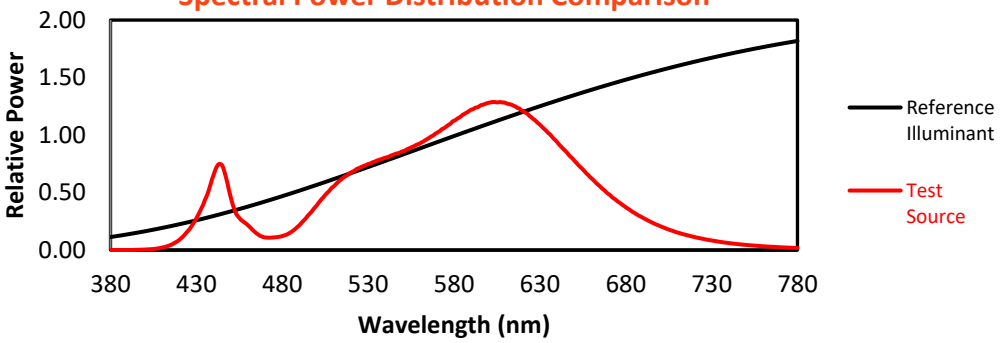
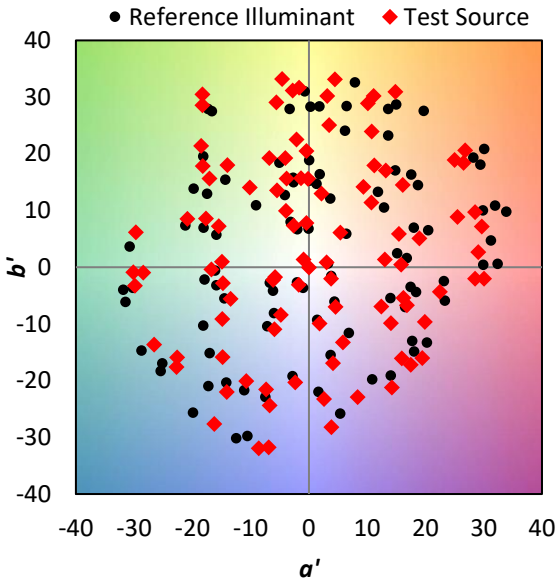
Summary

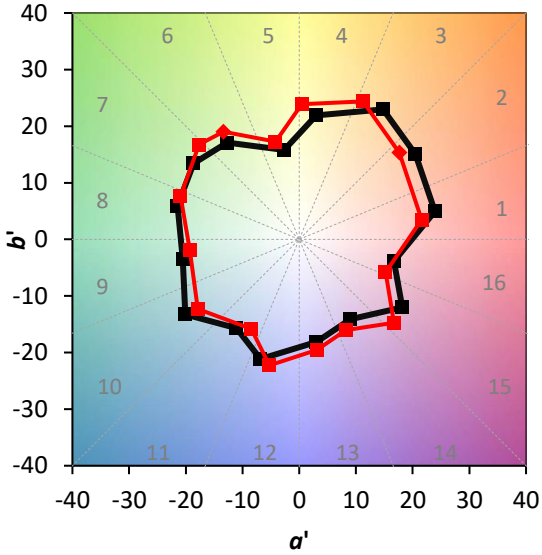
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

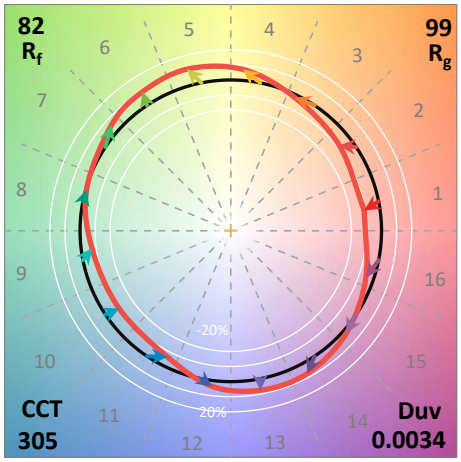
Spectral Power Distribution Comparison

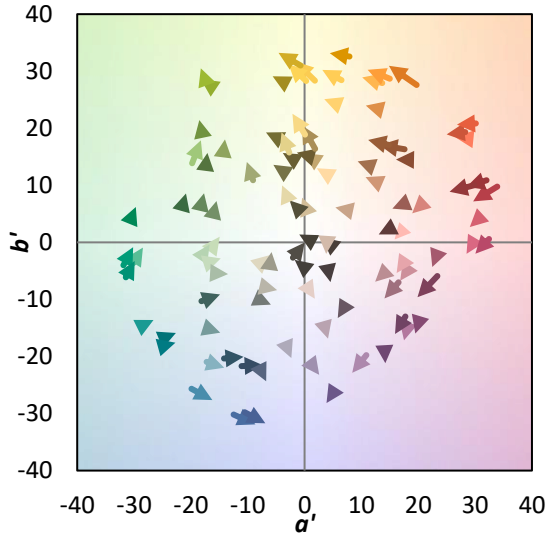


Color Vector Graphics









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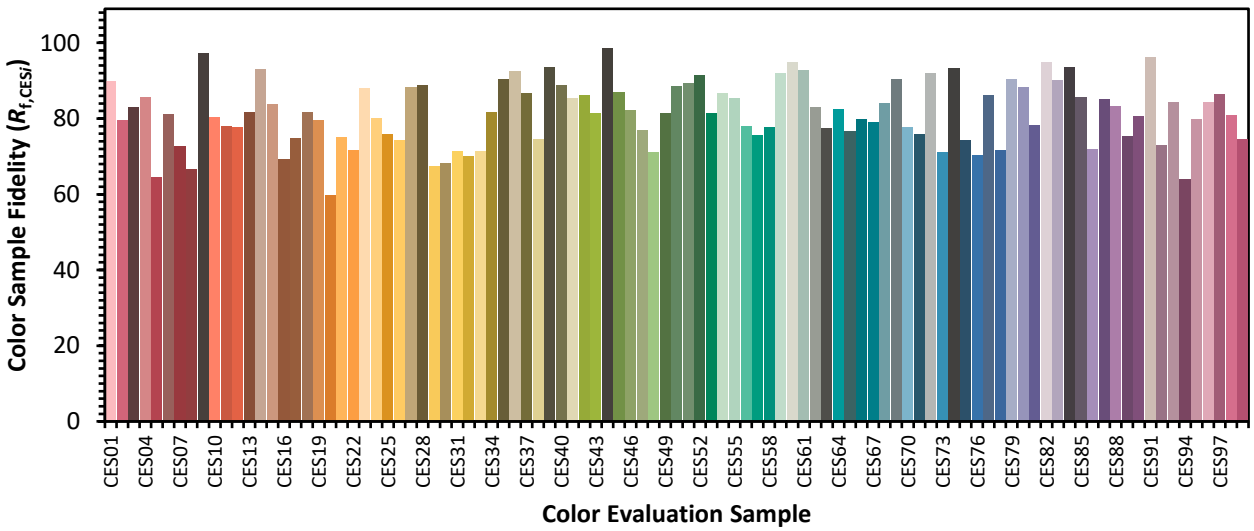
Individual Sample Fidelity Index ($R_{f,i}$)

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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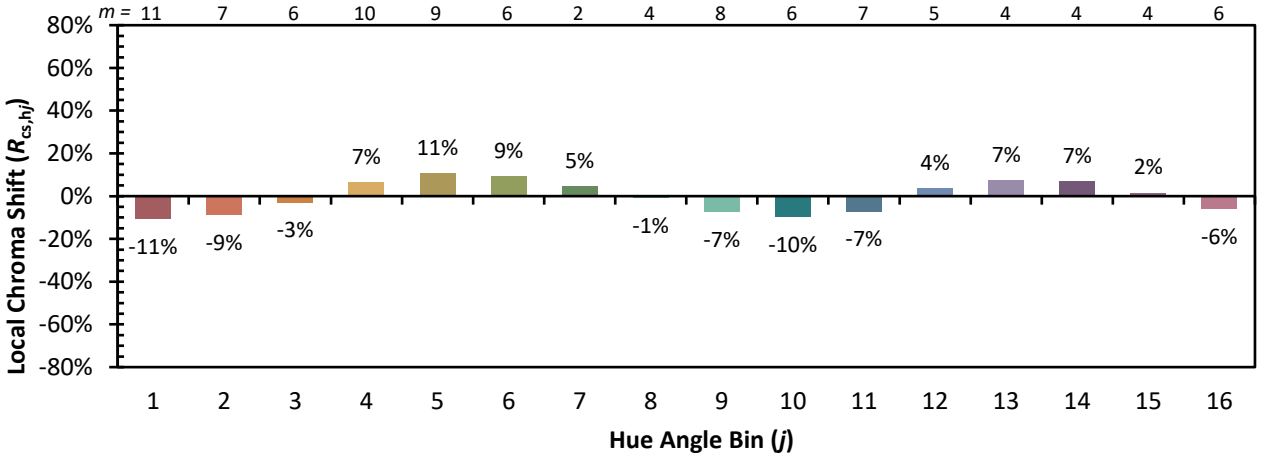
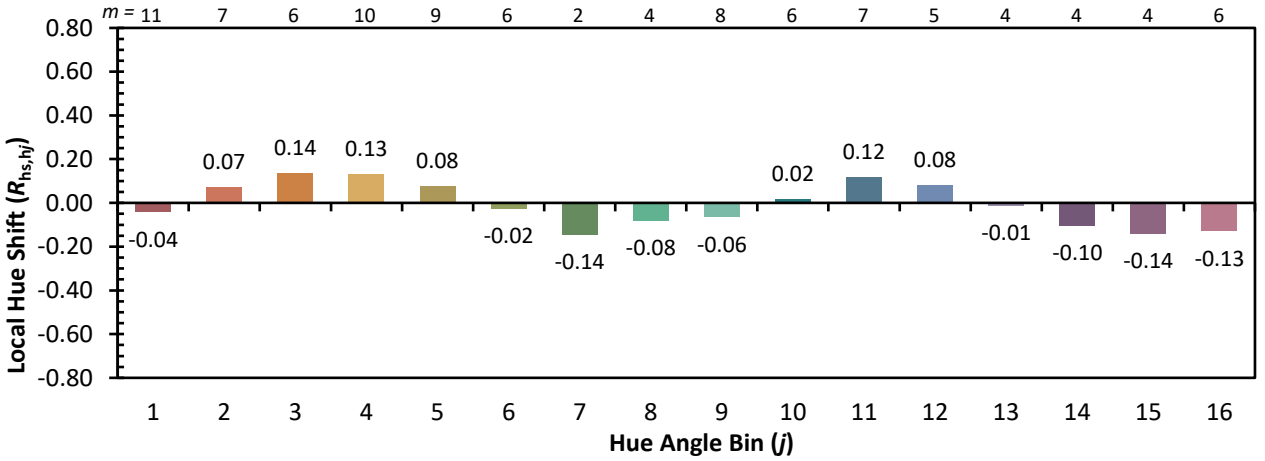
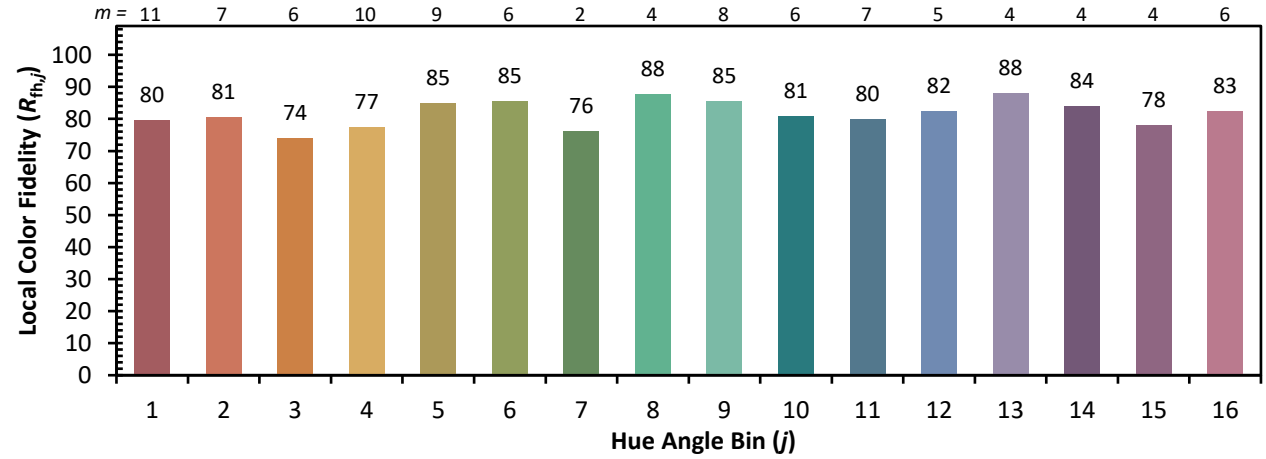
Color Rendition by Hue-Angle Bin







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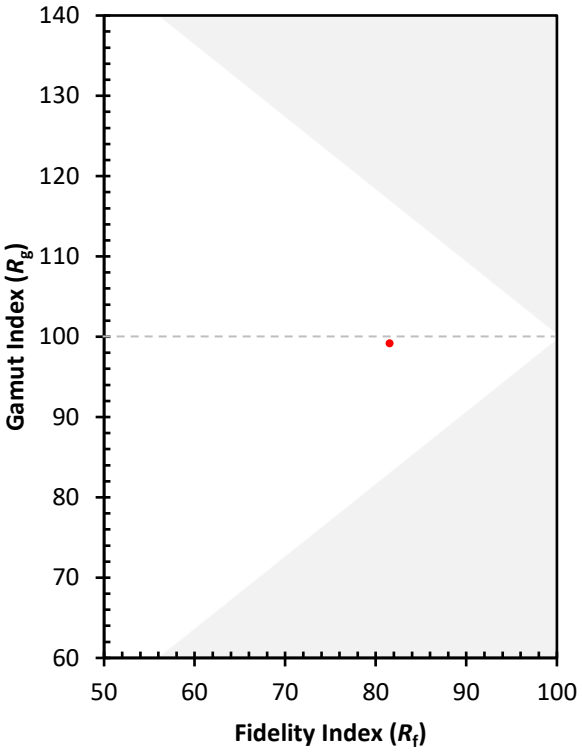
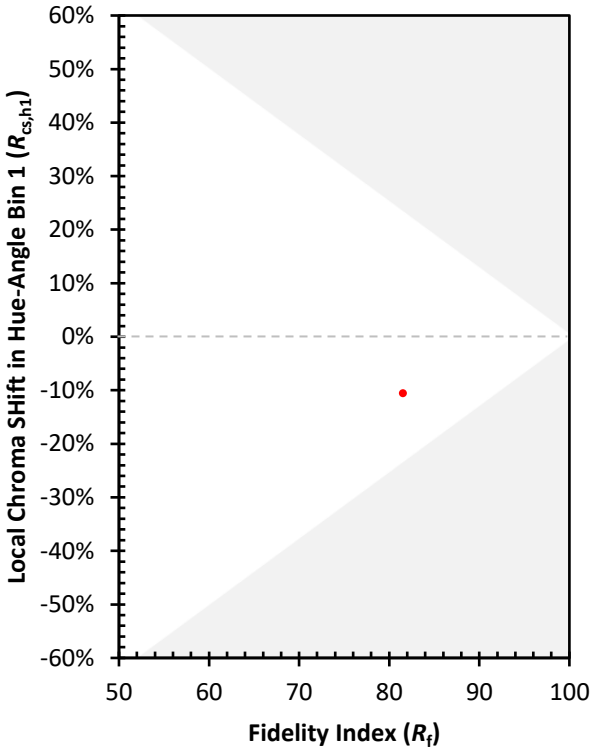
Measure Comparisons





(END OF REPORT)