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: P642459

Luminaire Tested: GWS-SA6C-830-U-T3-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:	P642459
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6C-830-U-T3-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22571.8 lumens
Efficiency:	N/A
Efficacy:	119.3 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U0 - G3

Input Watts (W):	189.2
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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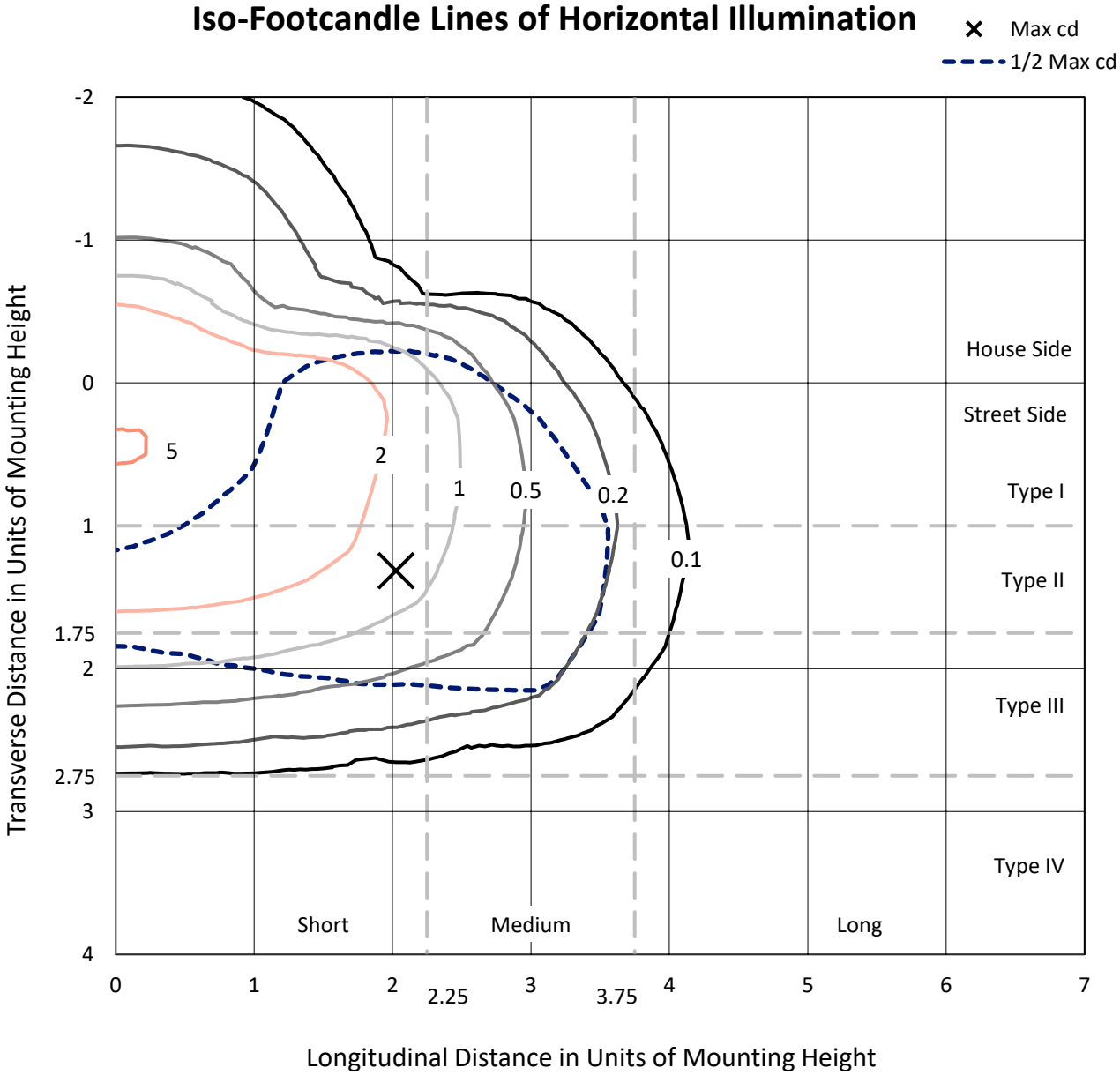
Scaled Data Report

REPORT NUMBER: P642459
CATALOG NUMBER: GWS-SA6C-830-U-T3-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
Type III - Short - N/A

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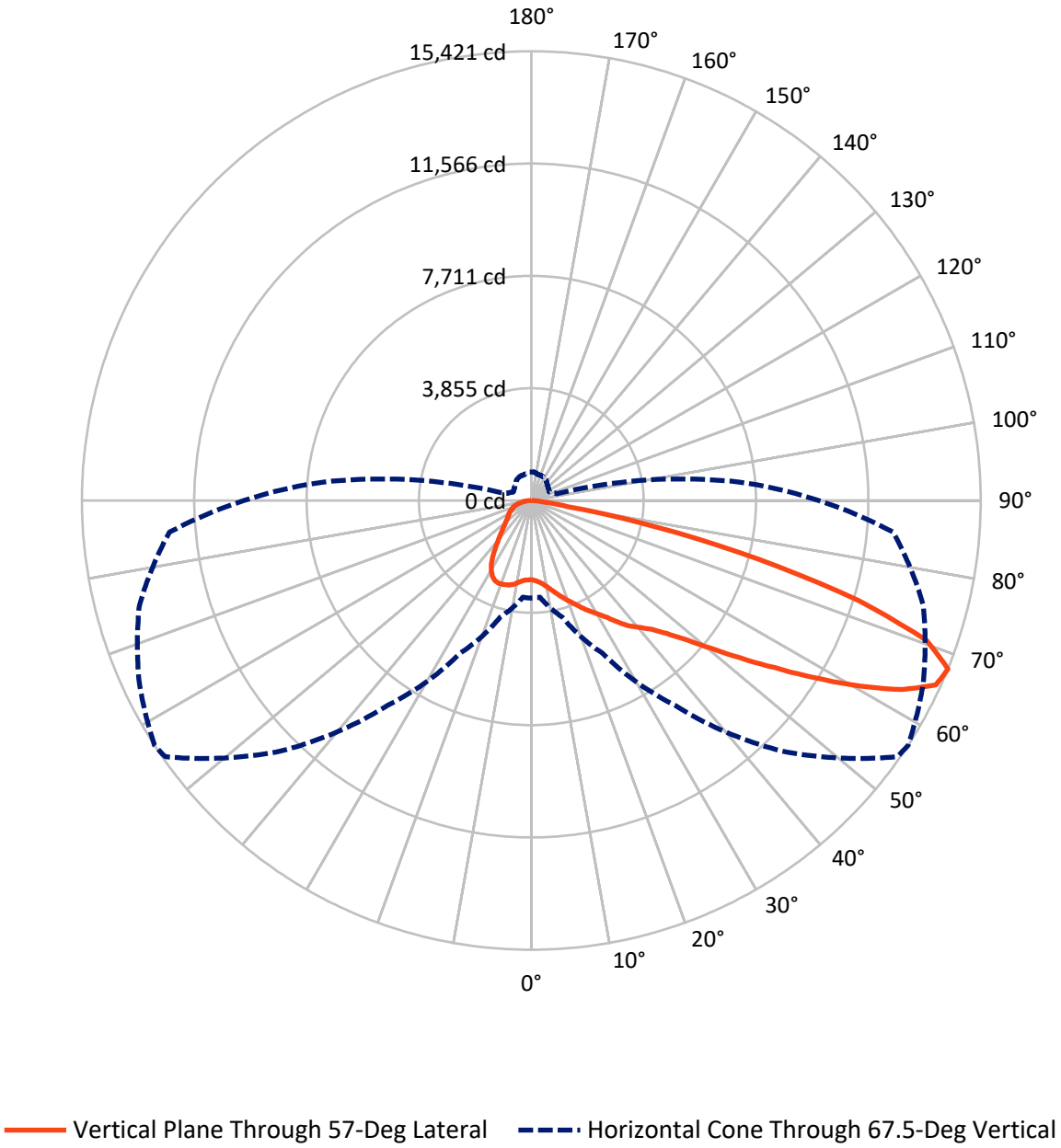
Luminous Intensity Polar Plot



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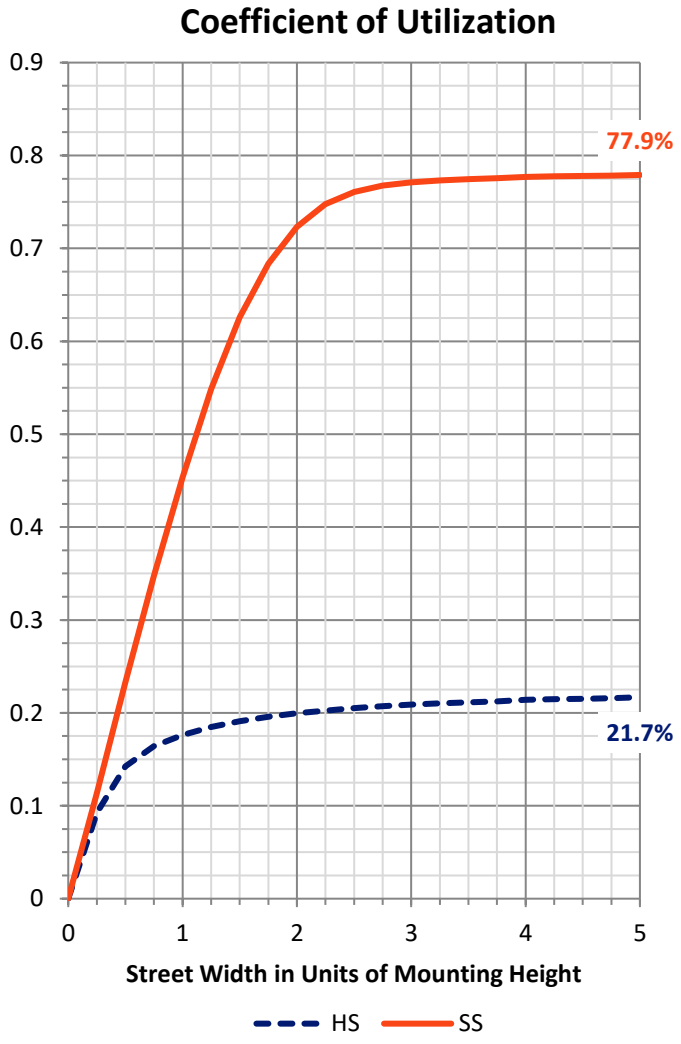
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4962.7	0.0	4962.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	17609.1	0.0	17609.1
	% Fixture	78.0	0.0	78.0
Total	Lumens	22571.8	0.0	22571.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.7	1.2
10°-20°	893.0	4.0
20°-30°	1592.0	7.1
30°-40°	2314.6	10.3
40°-50°	3350.0	14.8
50°-60°	5242.6	23.2
60°-70°	6115.9	27.1
70°-80°	2553.0	11.3
80°-90°	240.9	1.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	22571.8	100.0
0°-180°	22571.8	100.0



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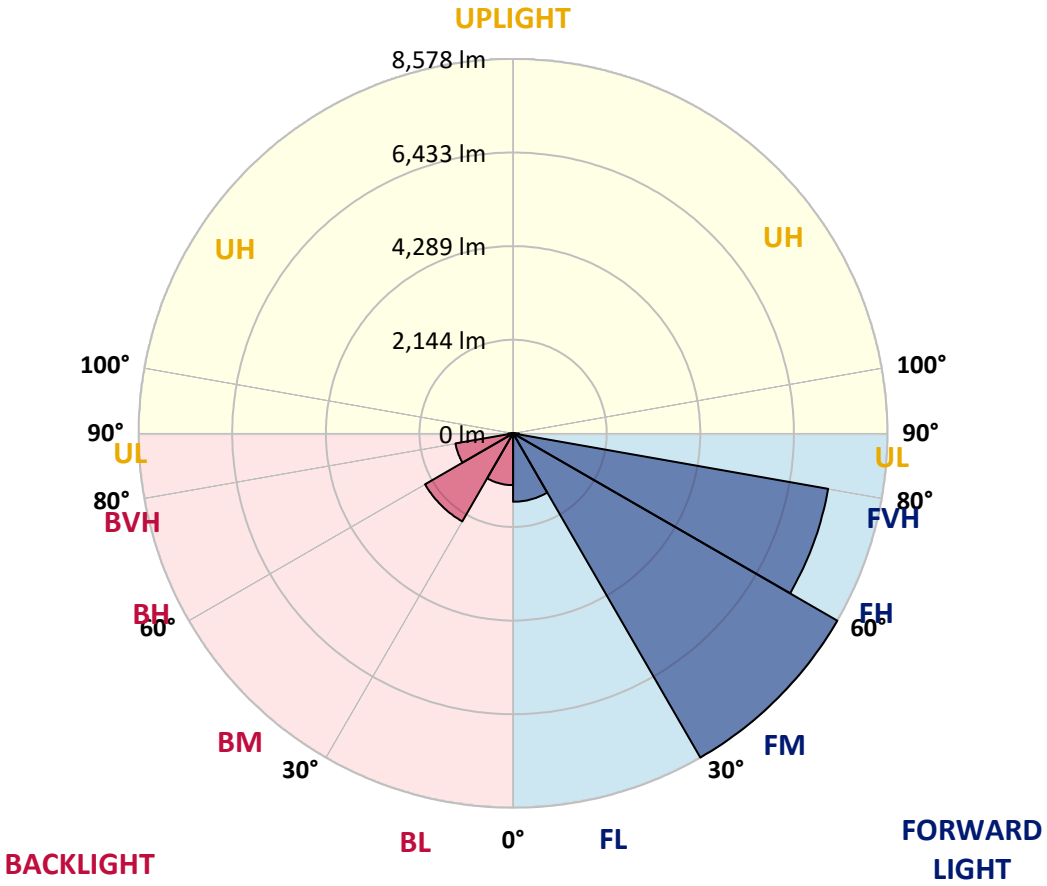
REPORT NUMBER: P642459
CATALOG NUMBER: GWS-SA6C-830-U-T3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1567.8	6.9			
FM	(30°-60°)	8577.6	38.0			
FH	(60°-80°)	7329.5	32.5			G3/7500
FVH	(80°-90°)	134.2	0.6			G2/225
BL	(0°-30°)	1186.9	5.3	B3/2500		
BM	(30°-60°)	2329.6	10.3	B2/2500		
BH	(60°-80°)	1339.4	5.9	B3/2500		G3/2500
BVH	(80°-90°)	106.7	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type III Short



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REPORT NUMBER: P642459
CATALOG NUMBER: GWS-SA6C-830-U-T3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7
2.5°	2758.6	2755.3	2753.7	2763.4	2760.2	2758.6	2758.6	2756.9	2753.7	2740.8	2723.0
5°	2834.6	2828.1	2821.6	2829.7	2823.2	2816.8	2815.1	2811.9	2800.6	2781.2	2753.7
7.5°	2913.8	2907.3	2908.9	2913.8	2908.9	2905.7	2900.8	2897.6	2879.8	2849.1	2811.9
10°	3025.4	3025.4	3028.6	3033.4	3035.1	3030.2	3020.5	3015.7	2994.6	2955.8	2904.1
12.5°	3187.1	3183.8	3183.8	3180.6	3185.4	3180.6	3170.9	3162.8	3136.9	3086.8	3012.4
15°	3400.5	3387.6	3376.2	3355.2	3348.8	3331.0	3334.2	3329.3	3305.1	3237.2	3143.4
17.5°	3628.5	3626.9	3609.1	3567.0	3525.0	3495.9	3502.4	3500.7	3487.8	3395.6	3276.0
20°	3829.0	3837.1	3820.9	3788.6	3732.0	3677.0	3673.8	3681.8	3665.7	3573.5	3407.0
22.5°	4053.8	4047.3	4031.1	3989.1	3947.0	3888.8	3869.4	3862.9	3856.5	3751.4	3541.2
25°	4267.2	4286.6	4265.6	4226.8	4162.1	4099.0	4082.9	4089.3	4071.5	3932.5	3685.1
27.5°	4537.2	4545.3	4532.4	4479.0	4424.0	4335.1	4304.4	4304.4	4297.9	4102.3	3798.3
30°	4825.0	4847.7	4825.0	4781.4	4724.8	4597.1	4530.8	4524.3	4504.9	4276.9	3930.9
32.5°	5114.5	5130.7	5114.5	5072.4	5007.8	4896.2	4800.8	4786.2	4760.4	4467.7	4066.7
35°	5371.6	5386.1	5382.9	5392.6	5339.2	5198.6	5140.4	5133.9	5066.0	4716.7	4251.0
37.5°	5652.9	5670.7	5646.5	5665.9	5644.9	5512.3	5494.5	5462.1	5365.1	4951.2	4445.1
40°	5973.1	5989.3	5950.5	5958.5	5934.3	5859.9	5769.4	5725.7	5581.8	5205.0	4750.7
42.5°	6315.9	6353.1	6370.9	6356.3	6299.7	6257.7	6099.2	6044.2	5924.6	5662.6	5253.5
45°	6812.3	6867.3	6893.2	6856.0	6831.7	6771.9	6577.8	6511.5	6448.5	6307.8	5955.3
47.5°	7347.5	7397.7	7480.1	7496.3	7515.7	7470.4	7197.1	7132.5	7143.8	7127.6	6818.8
50°	7774.4	7816.4	8002.4	8201.3	8366.2	8379.2	8029.9	7960.4	8021.8	8073.5	7858.5
52.5°	8084.9	8122.1	8367.8	8778.5	9152.1	9428.6	9051.8	8972.6	9022.7	9139.1	9040.5
55°	8337.1	8388.9	8646.0	9276.6	10031.7	10468.3	10227.4	10127.1	10106.1	10250.0	10306.6
57.5°	8469.7	8485.9	8846.5	9666.3	10676.9	11488.6	11593.7	11480.5	11280.0	11359.2	11653.5
60°	8167.3	8194.8	8688.0	9766.5	11186.2	12500.8	13027.9	12934.2	12507.3	12550.9	12876.0
62.5°	7331.4	7370.2	7963.6	9289.5	11228.3	13176.7	14352.3	14292.4	13720.0	13483.9	13581.0
65°	5880.9	5893.9	6508.3	8109.1	10392.3	13260.8	15275.5	15261.0	14567.3	14014.3	13598.7
67.5°	3353.6	3331.0	4152.4	5783.9	8576.4	12167.7	15335.4	15421.1	14842.2	13927.0	12466.9
70°	1453.7	1456.9	1835.3	2854.0	5551.1	9834.4	14243.9	14391.1	14046.6	12473.3	9918.5
72.5°	672.7	682.4	845.7	1235.4	2370.5	6100.8	11614.7	11747.3	11451.4	9983.2	7216.5
75°	475.4	483.5	564.3	708.2	1089.8	2376.9	7769.6	8047.7	8191.6	7467.2	4755.5
77.5°	360.6	371.9	412.3	491.6	672.7	842.4	3717.4	4380.4	5218.0	4645.6	2449.7
80°	229.6	229.6	273.3	328.2	410.7	438.2	1073.7	1272.6	2553.2	1914.5	962.1
82.5°	155.2	160.1	186.0	208.6	236.1	249.0	460.8	491.6	737.3	651.6	396.2
85°	82.5	85.7	97.0	95.4	113.2	98.6	194.0	192.4	270.0	295.9	150.4
87.5°	0.0	0.0	1.6	1.6	3.2	4.9	21.0	22.6	56.6	90.6	50.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report

REPORT NUMBER: P642459
CATALOG NUMBER: GWS-SA6C-830-U-T3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7
2.5°	2732.7	2713.3	2723.0	2719.7	2729.5	2729.5	2711.7	2706.8	2708.4	2689.0	2682.6
5°	2756.9	2734.3	2739.2	2732.7	2742.4	2750.5	2742.4	2742.4	2752.1	2737.5	2729.5
7.5°	2811.9	2786.0	2786.0	2778.0	2789.3	2795.7	2789.3	2799.0	2816.8	2802.2	2794.1
10°	2899.2	2868.5	2870.1	2860.4	2865.3	2862.0	2836.2	2828.1	2832.9	2820.0	2813.5
12.5°	3012.4	2970.4	2970.4	2951.0	2939.7	2905.7	2852.3	2832.9	2836.2	2824.9	2820.0
15°	3120.8	3082.0	3073.9	3035.1	2983.3	2920.3	2871.7	2858.8	2862.0	2850.7	2842.6
17.5°	3248.5	3198.4	3169.3	3098.1	3002.7	2938.0	2889.5	2858.8	2832.9	2807.1	2800.6
20°	3366.5	3303.5	3250.1	3140.2	3023.7	2934.8	2844.3	2768.3	2705.2	2671.2	2663.2
22.5°	3487.8	3407.0	3313.2	3169.3	3022.1	2876.6	2710.0	2595.2	2501.5	2451.3	2461.0
25°	3602.6	3500.7	3373.0	3196.8	2970.4	2747.2	2520.9	2349.5	2242.7	2203.9	2192.6
27.5°	3698.0	3571.9	3428.0	3183.8	2863.7	2561.3	2262.1	2071.3	1967.9	1924.2	1912.9
30°	3804.7	3662.4	3507.2	3124.0	2695.5	2301.0	1969.5	1814.2	1739.9	1697.8	1699.4
32.5°	3927.6	3778.9	3618.8	3009.2	2480.4	2019.6	1728.5	1621.8	1562.0	1520.0	1513.5
35°	4092.6	3945.4	3693.2	2836.2	2207.2	1760.9	1563.6	1476.3	1401.9	1346.9	1335.6
37.5°	4296.3	4196.0	3701.3	2604.9	1914.5	1583.0	1445.6	1351.8	1261.2	1188.5	1180.4
40°	4645.6	4530.8	3635.0	2315.5	1665.5	1468.2	1346.9	1238.6	1133.5	1052.6	1041.3
42.5°	5143.6	4907.5	3492.7	1988.9	1477.9	1377.7	1253.2	1115.7	1009.0	952.4	944.3
45°	5777.4	5327.9	3279.2	1681.7	1338.9	1288.7	1154.5	1010.6	954.0	913.6	905.5
47.5°	6553.6	5817.9	3033.4	1442.3	1230.5	1207.9	1054.3	975.0	924.9	891.0	882.9
50°	7481.7	6442.0	2831.3	1254.8	1133.5	1114.1	1021.9	954.0	913.6	886.1	879.6
52.5°	8540.9	7135.7	2732.7	1120.6	1049.4	1030.0	1010.6	949.2	915.2	894.2	886.1
55°	9640.4	7866.6	2640.5	1017.1	978.3	989.6	1012.2	965.3	939.5	912.0	903.9
57.5°	10702.7	8552.2	2414.1	936.2	926.5	970.2	1020.3	981.5	950.8	923.3	913.6
60°	11435.2	8927.3	2030.9	871.5	887.7	945.9	999.3	957.2	918.4	907.1	902.3
62.5°	11632.5	8882.0	1576.5	805.3	840.8	892.6	944.3	916.8	876.4	894.2	895.8
65°	11171.7	8396.9	1183.6	740.6	779.4	823.0	887.7	876.4	861.8	910.4	912.0
67.5°	*9866.8*	*7205.2*	*902.3*	*684.0*	*716.3*	*769.7*	*869.9*	*916.8*	*920.1*	*981.5*	*975.0*
70°	7465.6	5382.9	706.6	630.6	667.8	769.7	926.5	947.5	908.7	965.3	952.4
72.5°	5161.4	3552.5	601.5	583.7	608.0	734.1	924.9	924.9	882.9	882.9	858.6
75°	3206.5	2089.1	523.9	523.9	523.9	641.9	899.0	852.1	777.8	743.8	724.4
77.5°	1583.0	1015.5	439.8	456.0	438.2	536.8	734.1	696.9	651.6	616.1	603.1
80°	675.9	507.7	355.7	373.5	352.5	404.2	582.1	574.0	530.4	483.5	468.9
82.5°	310.5	261.9	284.6	292.7	257.1	304.0	425.3	425.3	401.0	336.3	312.1
85°	132.6	139.1	197.3	197.3	161.7	171.4	228.0	216.7	194.0	158.5	145.5
87.5°	45.3	67.9	100.3	87.3	34.0	14.6	8.1	3.2	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

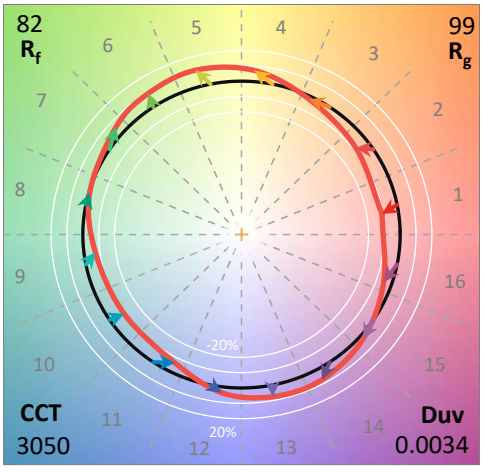
Test Information

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

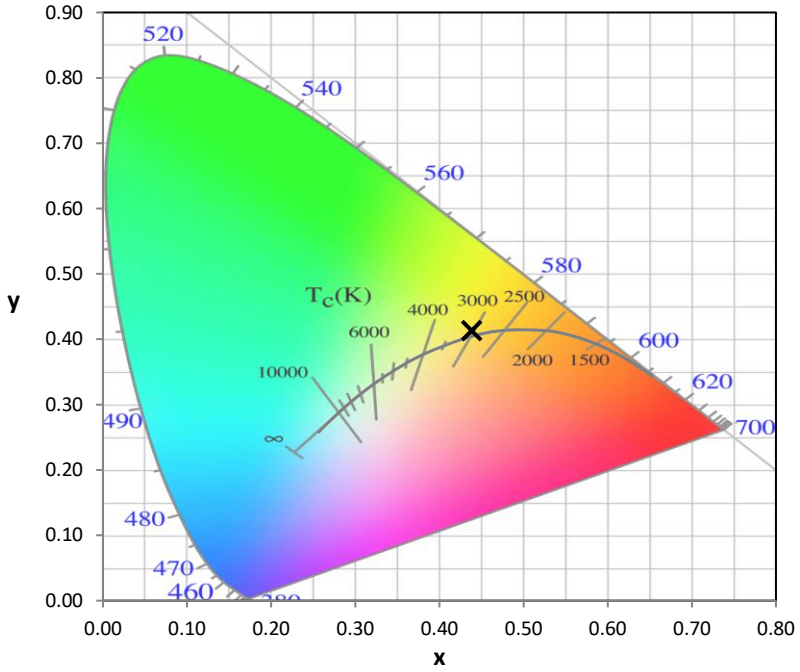
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

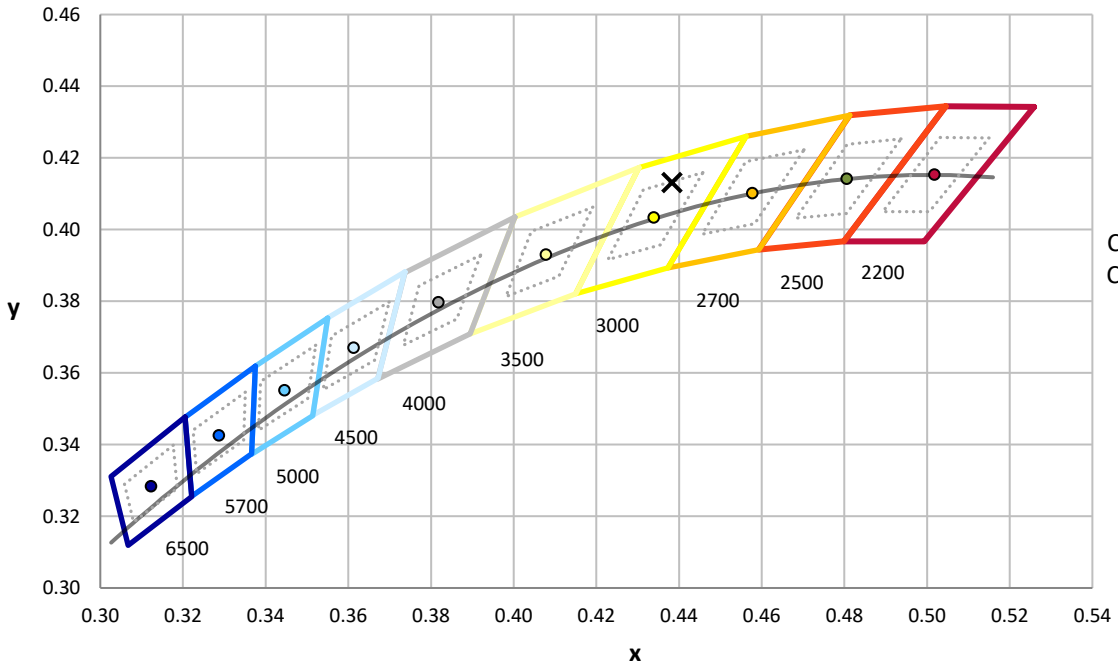
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

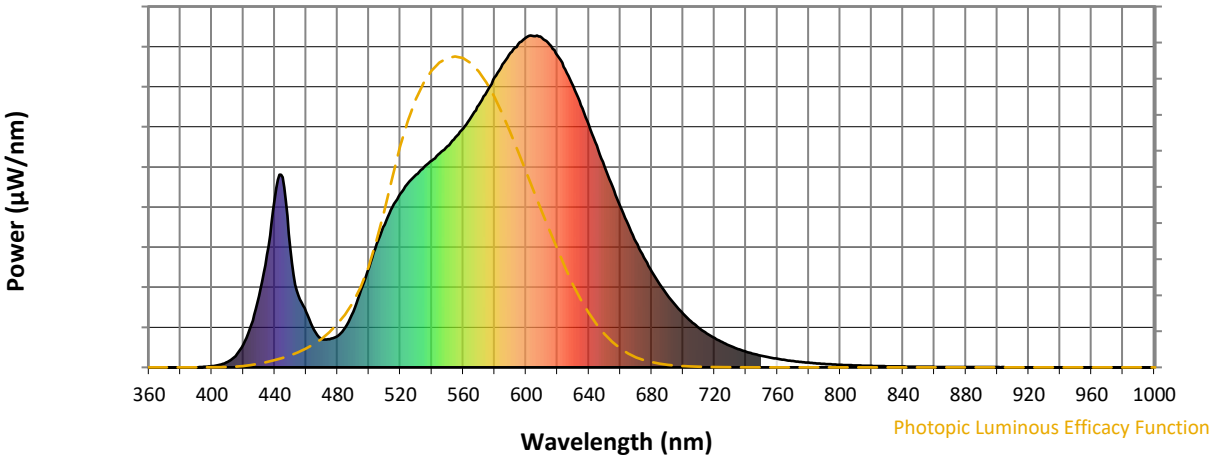


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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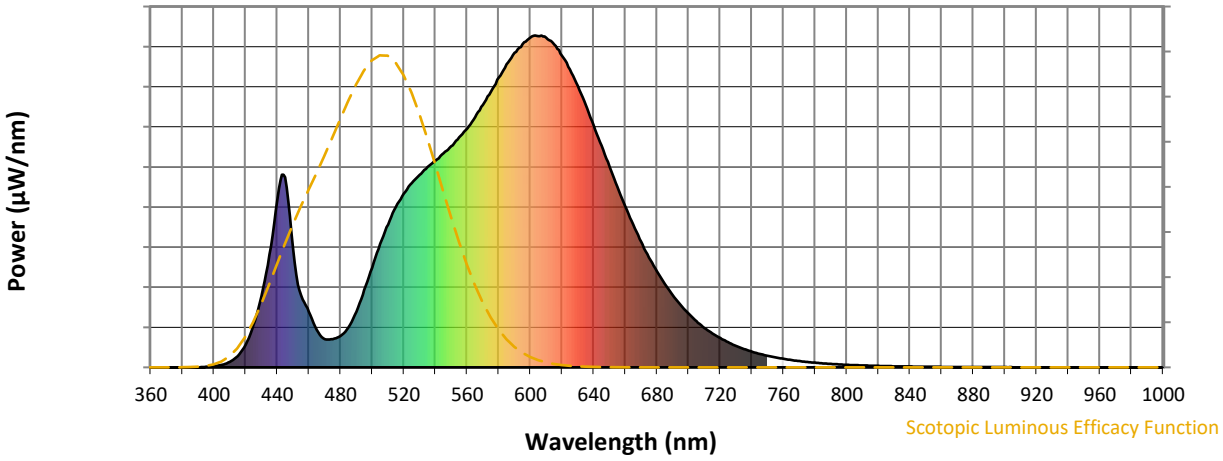
Scotopic Flux vs. Wavelength



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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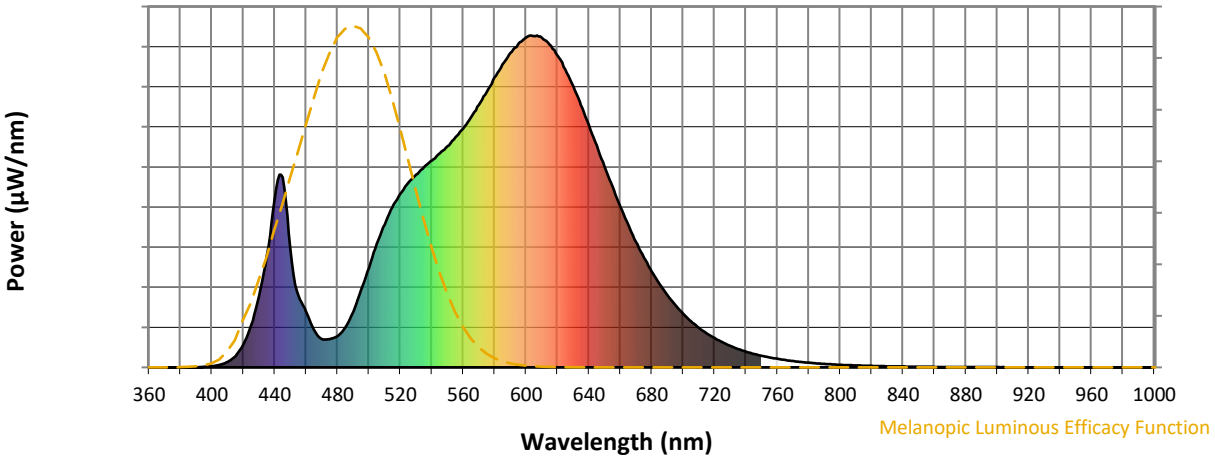
Melanopic Flux vs. Wavelength



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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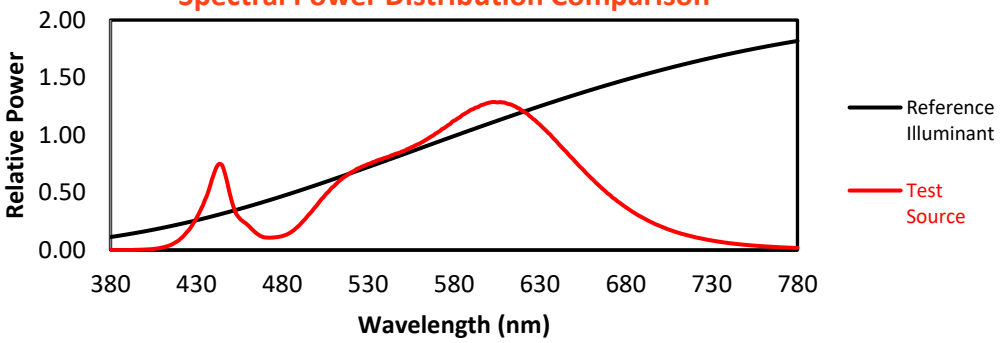
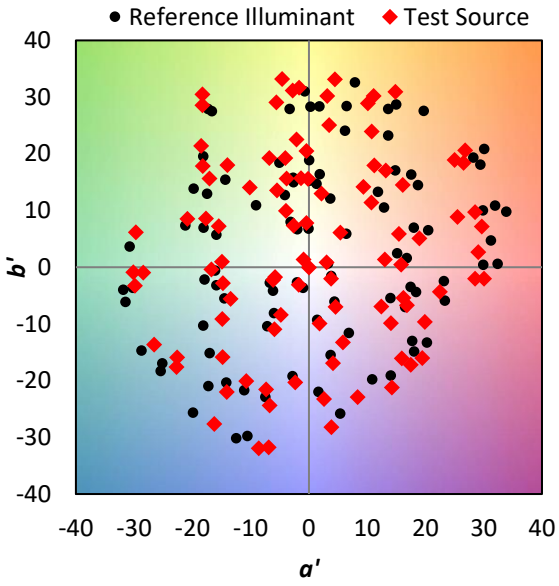
Summary

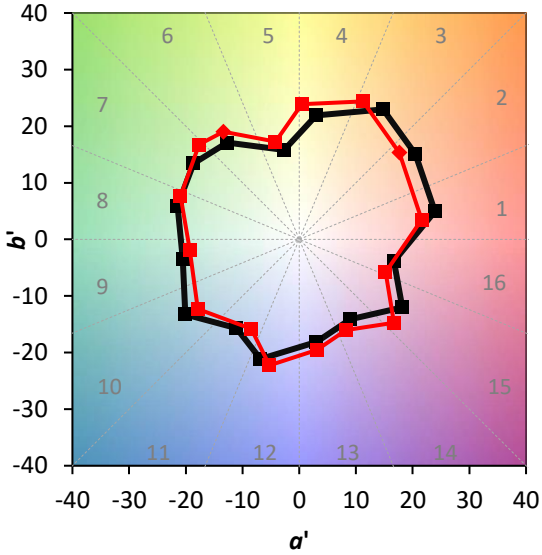
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

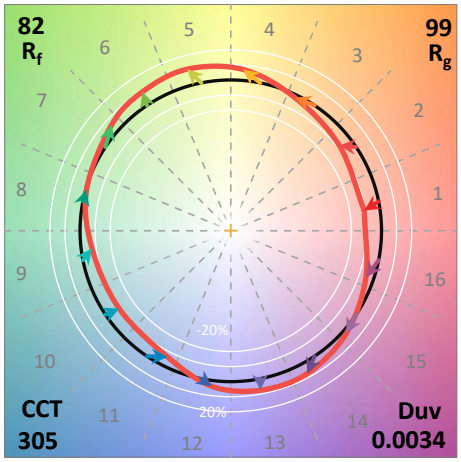
Spectral Power Distribution Comparison

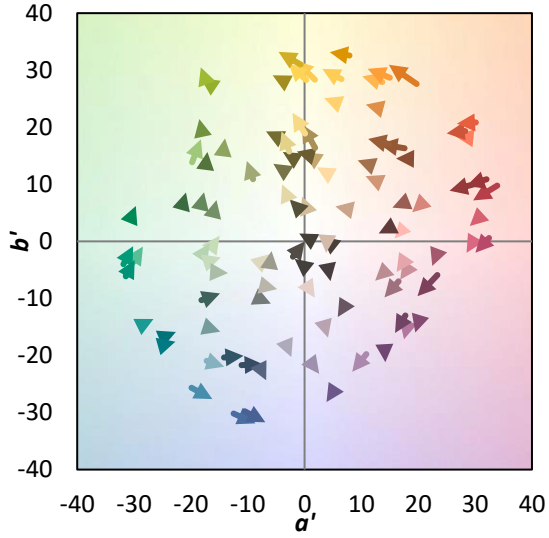


Color Vector Graphics









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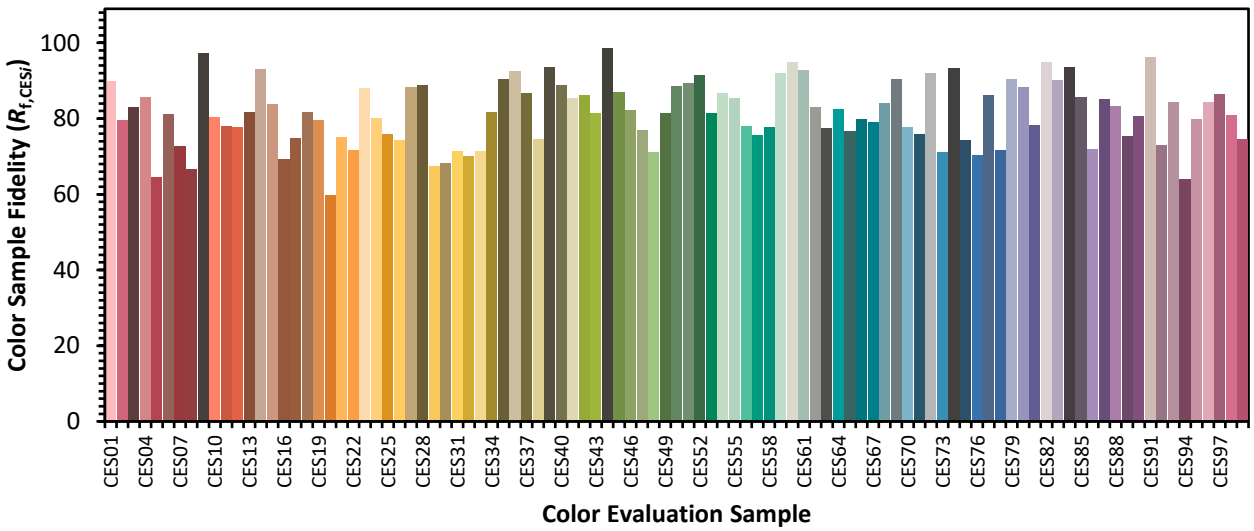
Individual Sample Fidelity Index ($R_{f,i}$)

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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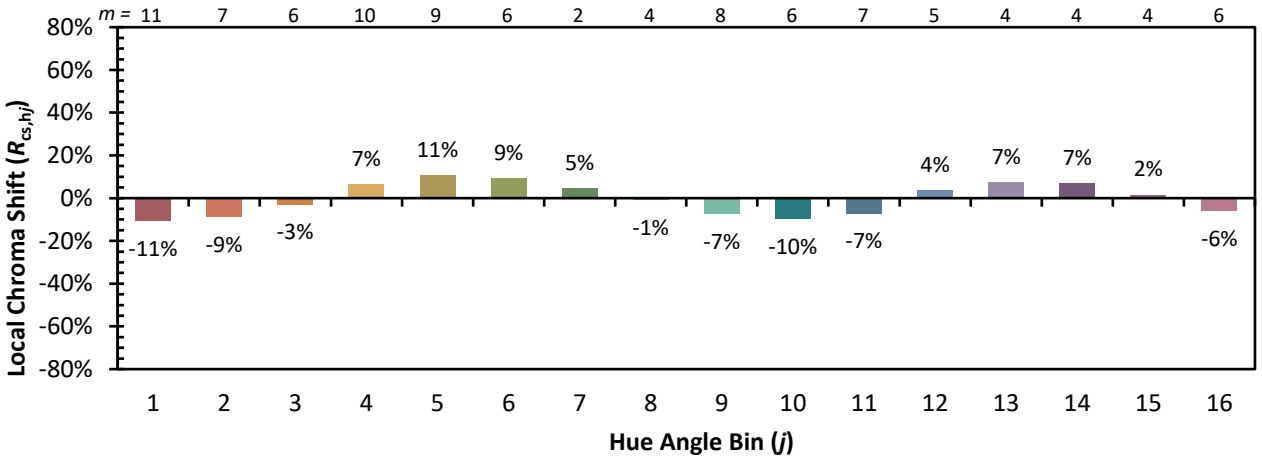
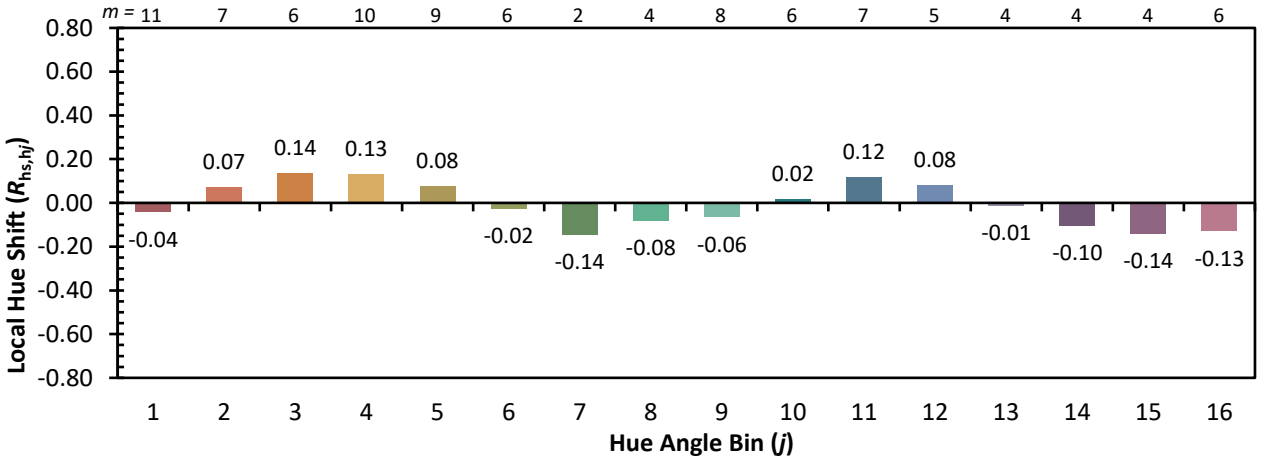
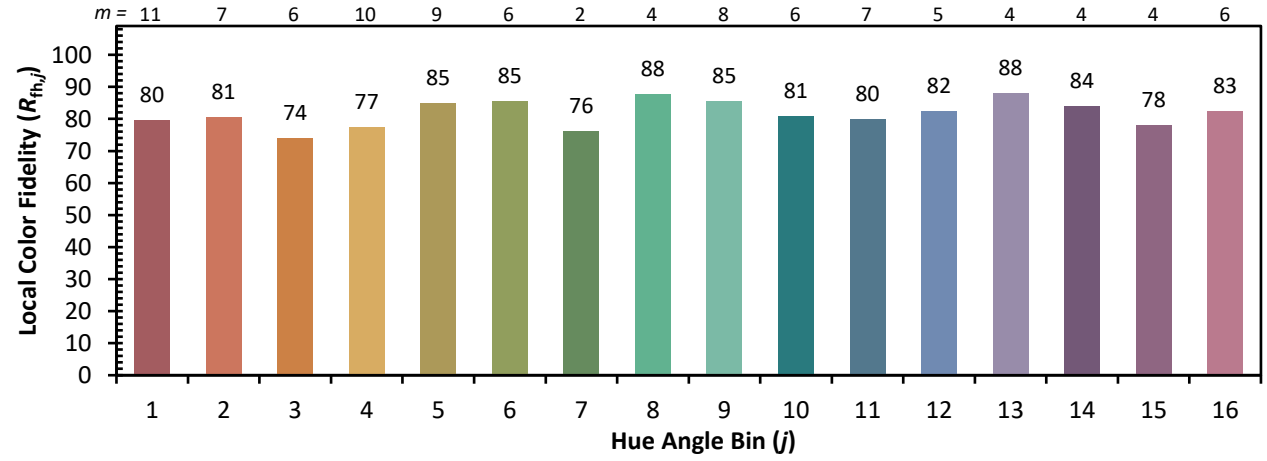
Color Rendition by Hue-Angle Bin







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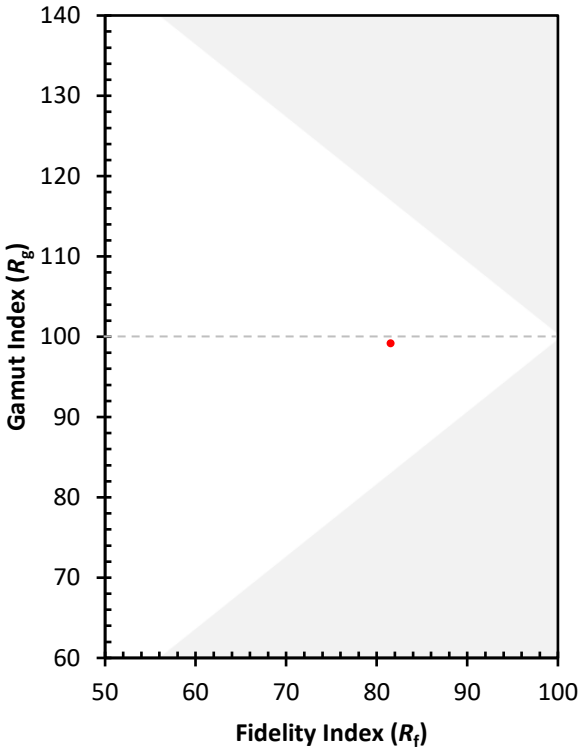
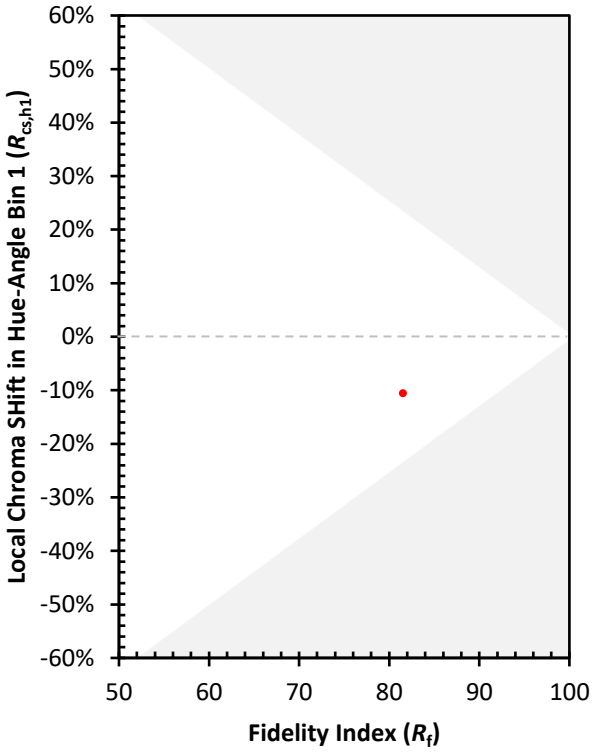
Measure Comparisons





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