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: P642426

Luminaire Tested: GWS-SA6C-830-U-RW-W-GRSBK

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:	P642426
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6C-830-U-RW-W-GRSBK
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	14619.4 lumens
Efficiency:	N/A
Efficacy:	77.3 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B4 - U0 - G0

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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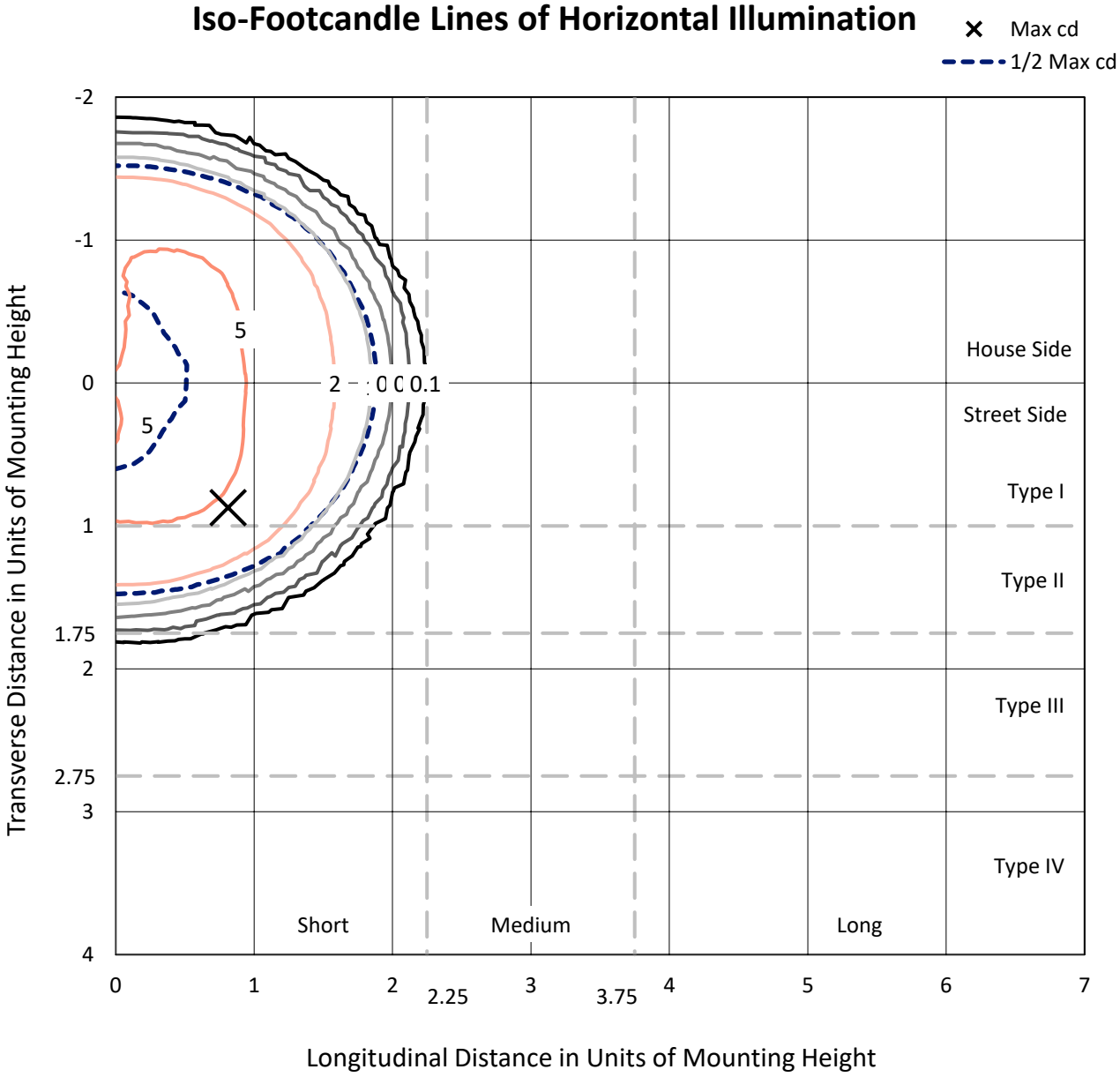
Scaled Data Report

REPORT NUMBER: P642426
CATALOG NUMBER: GWS-SA6C-830-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 6.2 fc
Type V - Short - N/A

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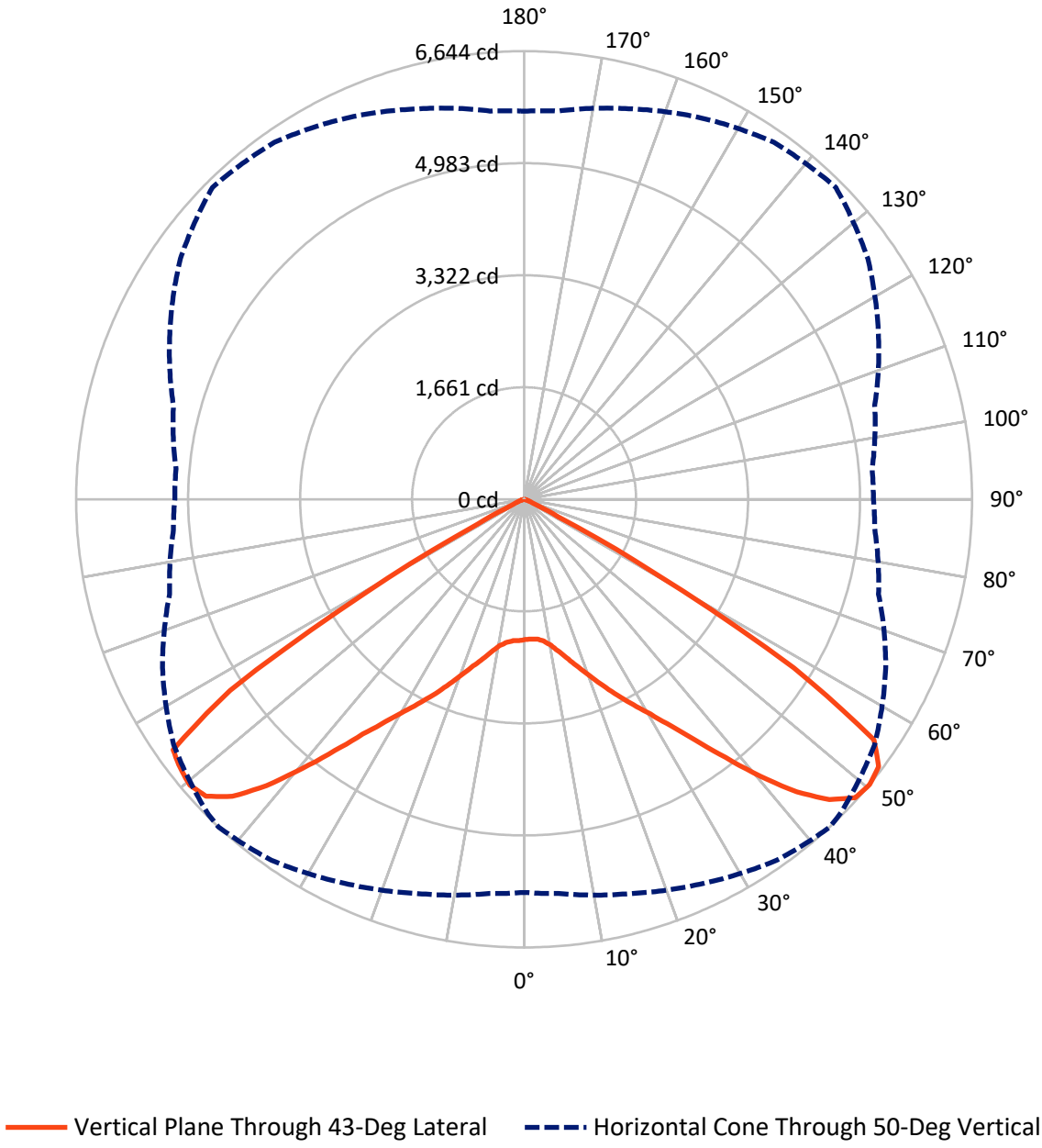
Luminous Intensity Polar Plot



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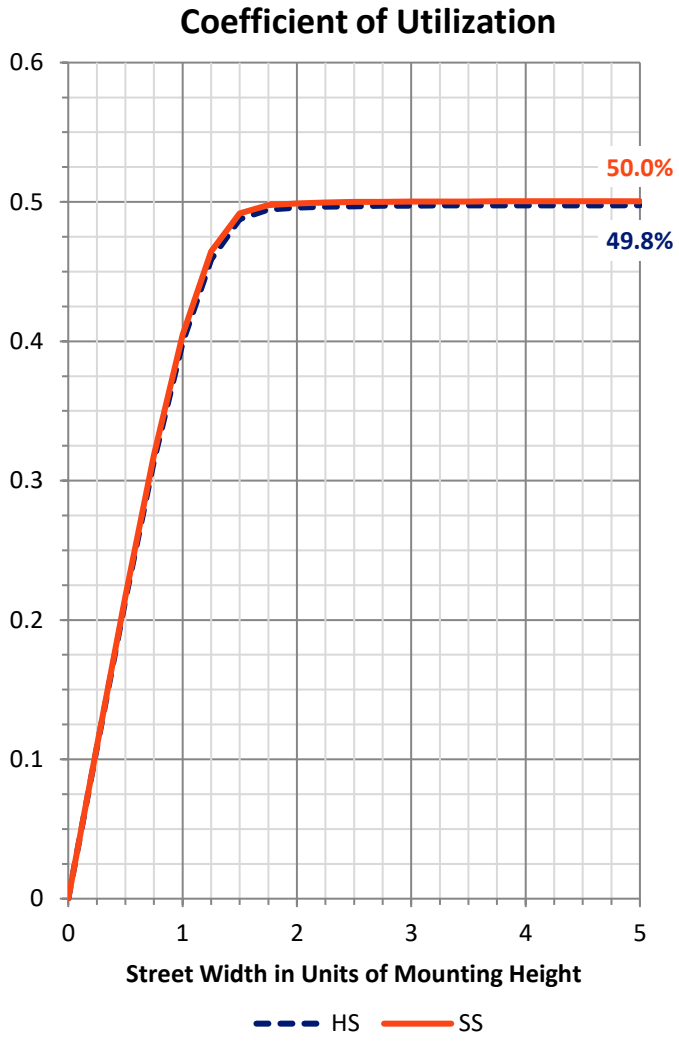
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7309.5	0.0	7309.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7309.9	0.0	7309.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	14619.4	0.0	14619.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.8	1.4
10°-20°	704.7	4.8
20°-30°	1425.7	9.8
30°-40°	2645.1	18.1
40°-50°	4390.8	30.0
50°-60°	4481.0	30.7
60°-70°	734.8	5.0
70°-80°	32.2	0.2
80°-90°	0.4	0.0
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°	14619.4	100.0
0°-180°	14619.4	100.0



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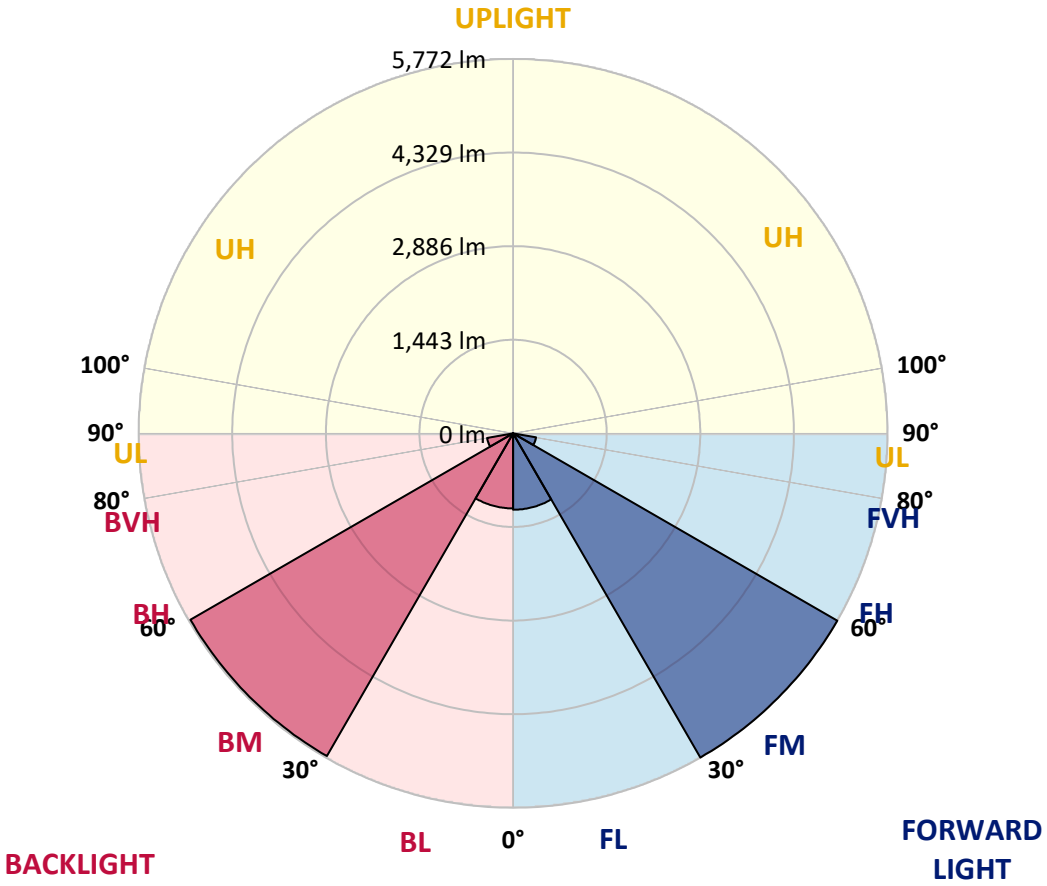
REPORT NUMBER: P642426
CATALOG NUMBER: GWS-SA6C-830-U-RW-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1177.8	8.1			
FM	(30°-60°)	5772.4	39.5			
FH	(60°-80°)	359.5	2.5			G0/660
FVH	(80°-90°)	0.2	0.0			G0/10
BL	(0°-30°)	1157.3	7.9	B3/2500		
BM	(30°-60°)	5744.4	39.3	B4/8500		
BH	(60°-80°)	407.5	2.8	B1/500		G0/660
BVH	(80°-90°)	0.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
Type V Short



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Scaled Data Report

REPORT NUMBER: P642426
CATALOG NUMBER: GWS-SA6C-830-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	2079.4	2079.4	2079.4	2079.4	2079.4	2079.4	2079.4	2079.4	2079.4	2079.4	2079.4
2.5°	2040.6	2045.4	2051.9	2058.4	2066.4	2074.5	2079.4	2093.9	2090.7	2103.6	2103.6
5°	2017.9	2022.8	2030.9	2045.4	2063.2	2081.0	2093.9	2123.0	2139.2	2165.1	2174.8
7.5°	2029.3	2035.7	2045.4	2068.1	2095.5	2123.0	2137.6	2184.5	2216.8	2265.3	2292.8
10°	2066.4	2072.9	2089.1	2127.9	2163.5	2202.3	2220.1	2279.9	2331.6	2397.9	2436.7
12.5°	2108.5	2116.6	2148.9	2207.1	2268.6	2320.3	2344.6	2410.9	2464.2	2538.6	2600.0
15°	2152.1	2165.1	2215.2	2300.9	2388.2	2457.7	2483.6	2554.8	2608.1	2687.3	2756.9
17.5°	2254.0	2268.6	2325.2	2417.3	2537.0	2617.8	2640.5	2714.8	2755.3	2808.6	2881.4
20°	2381.7	2409.2	2478.8	2590.3	2721.3	2798.9	2815.1	2887.8	2884.6	2907.2	2970.3
22.5°	2540.2	2559.6	2635.6	2768.2	2915.3	3001.0	3038.2	3068.9	3028.5	3009.1	3049.5
25°	2705.1	2727.8	2810.2	2955.8	3120.7	3219.3	3250.0	3274.3	3209.6	3136.9	3141.7
27.5°	2918.6	2934.7	3015.6	3170.8	3335.7	3447.3	3474.8	3516.8	3431.1	3314.7	3282.4
30°	3172.4	3188.6	3274.3	3437.6	3600.9	3696.3	3738.4	3790.1	3696.3	3550.8	3513.6
32.5°	3469.9	3486.1	3596.1	3764.2	3898.4	4001.9	4042.3	4097.3	4022.9	3859.6	3817.6
35°	3825.7	3835.4	3964.7	4147.4	4289.7	4390.0	4417.5	4482.1	4399.7	4236.4	4213.7
37.5°	4238.0	4249.3	4390.0	4601.8	4747.3	4858.9	4902.5	4920.3	4820.1	4637.4	4619.6
40°	4690.7	4727.9	4865.4	5093.3	5256.7	5397.3	5436.1	5376.3	5235.6	4986.6	4954.3
42.5°	5162.9	5195.2	5348.8	5596.2	5785.4	5929.3	5930.9	5801.6	5562.3	5217.8	5169.3
45°	5555.8	5568.7	5767.6	6016.6	6249.5	6351.3	6361.0	6126.6	5766.0	5352.1	5248.6
47.5°	5825.8	5846.8	6019.8	6259.2	6516.2	6608.4	6589.0	6296.3	5863.0	5439.4	5268.0
50°	5829.1	5864.6	6052.2	6283.4	6532.4	6644.0	6616.5	6344.9	5918.0	5442.6	5221.1
52.5°	5313.2	5371.5	5677.1	6011.8	6393.4	6584.2	6590.6	6407.9	5897.0	5390.9	5179.0
55°	4008.4	4071.4	4456.3	5027.1	5764.4	6296.3	6388.5	6333.5	5872.7	5413.5	5253.4
57.5°	2121.4	2072.9	2286.3	2852.3	3778.8	4719.8	4989.9	5429.7	5602.7	5441.0	5390.9
60°	462.4	493.2	656.5	884.5	1474.6	2220.1	2483.6	3237.1	4132.9	4530.7	4818.5
62.5°	198.9	195.6	203.7	231.2	337.9	562.7	687.2	1122.2	1770.5	2431.9	2879.8
65°	163.3	164.9	171.4	171.4	160.1	161.7	169.8	257.1	413.9	580.5	779.4
67.5°	122.9	124.5	135.8	139.1	131.0	116.4	114.8	97.0	101.9	127.7	132.6
70°	77.6	77.6	84.1	87.3	87.3	80.8	79.2	69.5	67.9	77.6	87.3
72.5°	42.0	42.0	45.3	46.9	45.3	43.7	43.7	42.0	40.4	46.9	59.8
75°	17.8	17.8	19.4	19.4	17.8	17.8	17.8	17.8	17.8	21.0	32.3
77.5°	3.2	4.9	6.5	4.9	3.2	3.2	3.2	4.9	4.9	6.5	9.7
80°	1.6	1.6	3.2	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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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Scaled Data Report

REPORT NUMBER: P642426
CATALOG NUMBER: GWS-SA6C-830-U-RW-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2079.4	2079.4	2079.4	2079.4	2079.4	2079.4	2079.4	2079.4	2079.4	2079.4	2079.4
2.5°	2115.0	2097.2	2103.6	2106.9	2102.0	2098.8	2081.0	2076.1	2068.1	2055.1	2051.9
5°	2186.1	2171.5	2169.9	2160.2	2137.6	2110.1	2076.1	2061.6	2045.4	2029.3	2026.0
7.5°	2305.7	2288.0	2276.6	2244.3	2192.6	2148.9	2092.3	2061.6	2040.6	2019.6	2014.7
10°	2459.4	2438.3	2406.0	2346.2	2276.6	2213.6	2147.3	2106.9	2074.5	2045.4	2043.8
12.5°	2622.7	2600.0	2541.8	2465.8	2381.7	2323.5	2239.5	2182.9	2134.4	2090.7	2085.8
15°	2794.1	2766.6	2687.3	2596.8	2519.2	2459.4	2367.2	2276.6	2202.3	2139.2	2132.7
17.5°	2925.0	2891.1	2797.3	2729.4	2666.3	2604.9	2501.4	2381.7	2283.1	2207.1	2189.3
20°	3007.5	2975.2	2886.2	2849.0	2819.9	2776.3	2653.4	2528.9	2418.9	2325.2	2309.0
22.5°	3086.7	3047.9	2970.3	2970.3	2992.9	2975.2	2842.6	2700.3	2570.9	2462.6	2438.3
25°	3175.7	3144.9	3090.0	3135.2	3191.8	3190.2	3054.4	2876.5	2727.8	2606.5	2582.2
27.5°	3305.0	3274.3	3254.9	3340.6	3411.7	3406.9	3258.1	3065.7	2908.9	2789.2	2766.6
30°	3533.0	3503.9	3482.9	3586.4	3676.9	3643.0	3479.6	3293.7	3135.2	2999.4	2983.2
32.5°	3837.0	3806.3	3778.8	3882.3	3963.1	3919.5	3764.2	3589.6	3406.9	3274.3	3242.0
35°	4236.4	4171.7	4144.2	4267.1	4301.0	4252.5	4103.8	3950.2	3756.1	3604.1	3583.1
37.5°	4648.7	4572.7	4553.3	4660.0	4715.0	4697.2	4522.6	4362.5	4152.3	3984.1	3959.9
40°	5001.2	4931.7	4897.7	5064.2	5188.7	5200.1	5043.2	4847.6	4600.2	4425.6	4381.9
42.5°	5208.1	5148.3	5140.2	5398.9	5602.7	5748.2	5560.6	5358.5	5098.2	4900.9	4865.4
45°	5255.0	5216.2	5284.1	5623.7	5940.6	6205.8	6045.7	5832.3	5550.9	5342.4	5308.4
47.5°	5250.2	5237.3	5358.5	5740.1	6141.1	6467.7	6388.5	6147.6	5875.9	5657.7	5625.3
50°	*5180.7*	*5182.3*	*5384.4*	*5798.3*	*6222.0*	*6538.9*	*6459.7*	*6236.5*	*5994.0*	*5778.9*	*5753.1*
52.5°	5153.2	5143.5	5335.9	5780.5	6304.4	6506.5	6328.7	6078.1	5808.0	5542.9	5504.0
55°	5250.2	5225.9	5342.4	5766.0	6314.1	6488.8	6019.8	5476.6	4923.6	4609.9	4584.0
57.5°	5395.7	5369.8	5424.8	5659.3	5808.0	5395.7	4430.4	3554.0	2984.9	2743.9	2638.8
60°	4818.5	4800.7	4758.6	4475.7	3838.6	2895.9	1972.7	1258.0	903.9	730.9	730.9
62.5°	2989.7	2965.5	2737.5	2034.1	1477.9	855.4	470.5	294.3	223.1	208.6	207.0
65°	839.2	834.3	690.4	488.3	310.5	192.4	169.8	173.0	169.8	164.9	163.3
67.5°	126.1	139.1	139.1	113.2	108.3	121.3	142.3	152.0	143.9	135.8	132.6
70°	80.8	87.3	84.1	72.8	77.6	90.5	101.9	103.5	98.6	90.5	88.9
72.5°	56.6	63.1	51.7	46.9	48.5	53.4	58.2	58.2	56.6	53.4	50.1
75°	34.0	34.0	24.3	22.6	22.6	24.3	24.3	27.5	27.5	25.9	24.3
77.5°	11.3	12.9	8.1	6.5	6.5	6.5	8.1	9.7	9.7	8.1	6.5
80°	1.6	3.2	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	1.6
82.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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

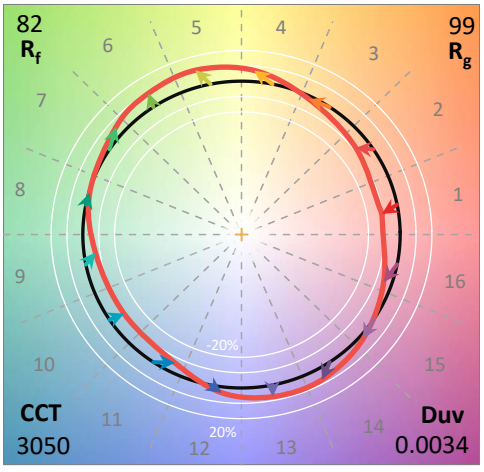
Test Information

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

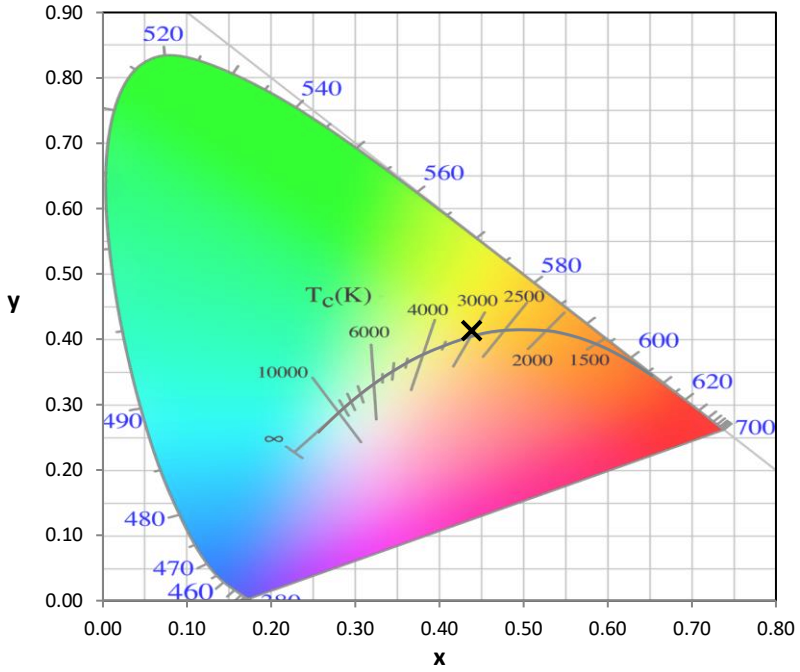
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

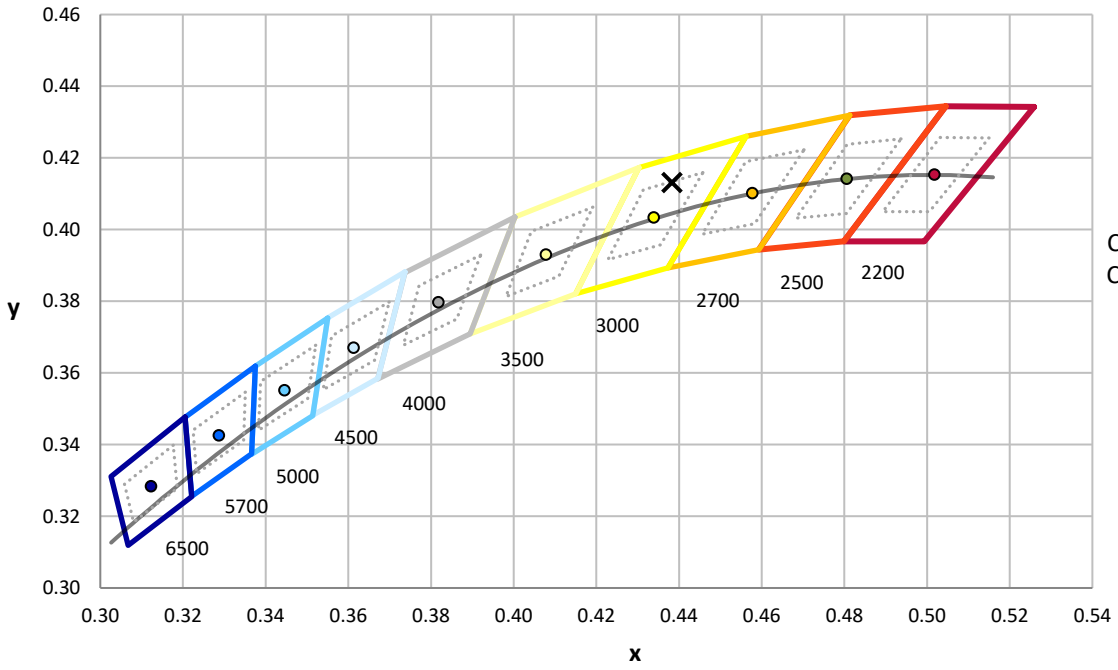
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

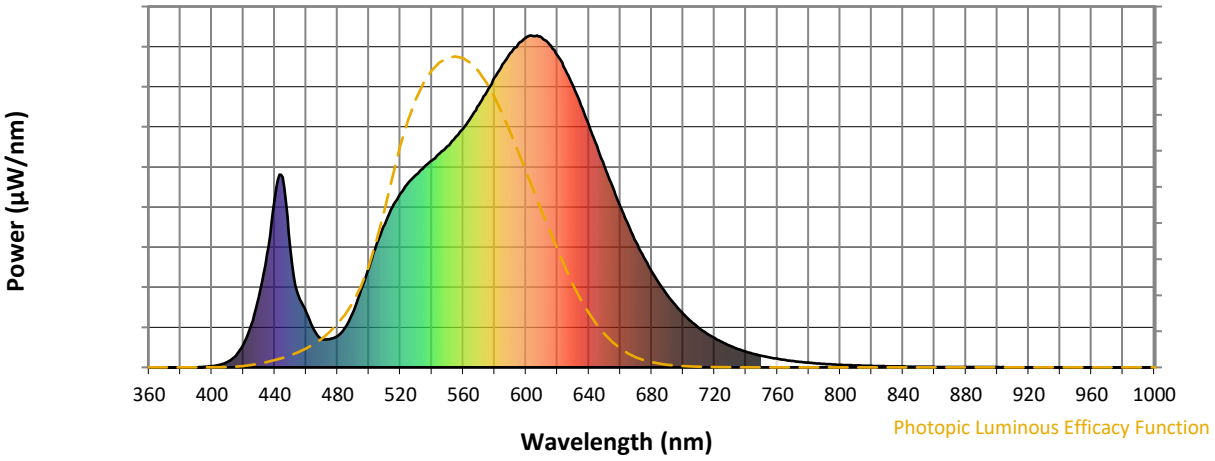


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

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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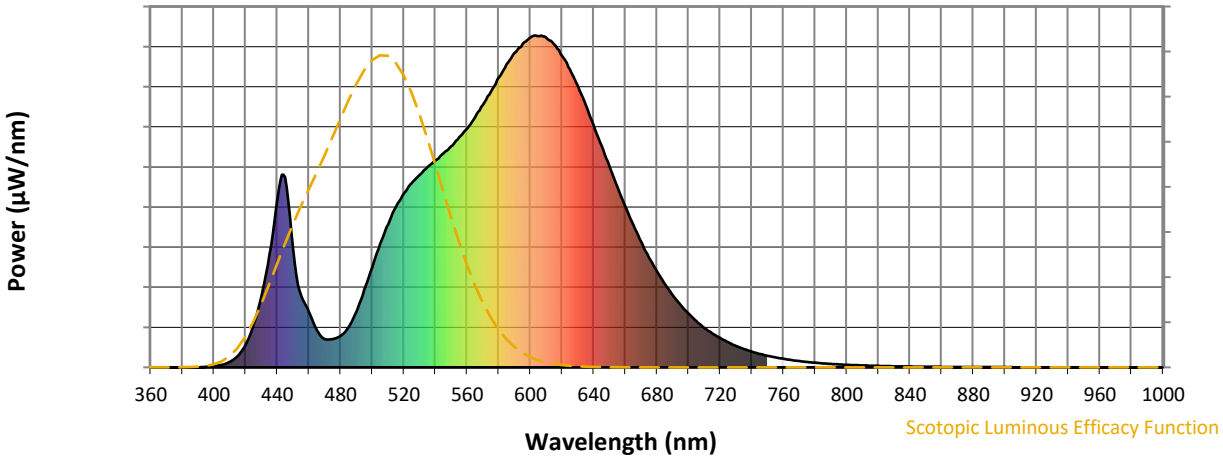
Scotopic Flux vs. Wavelength



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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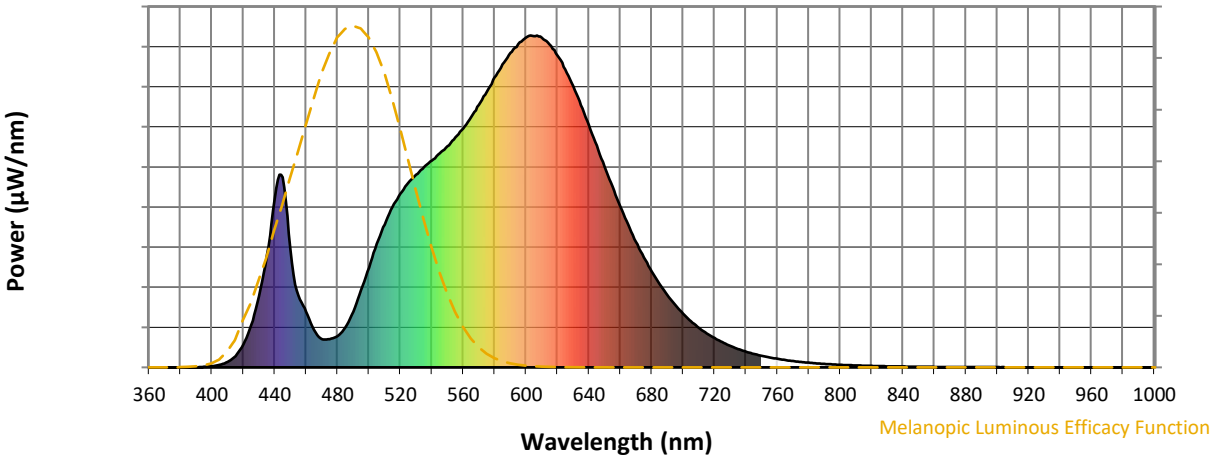
Melanopic Flux vs. Wavelength



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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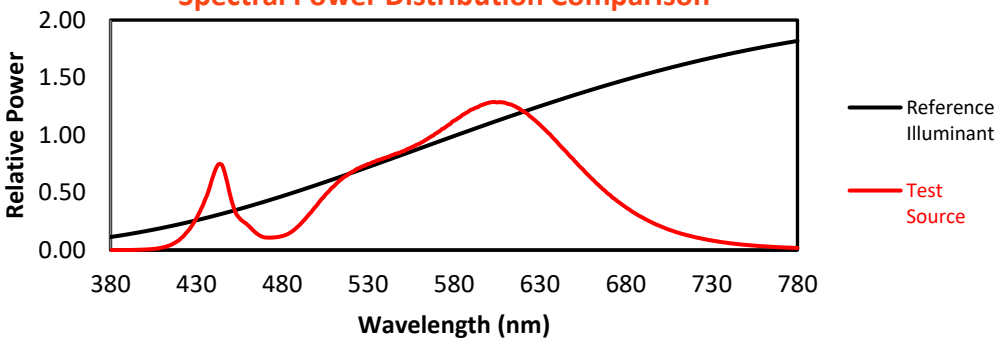
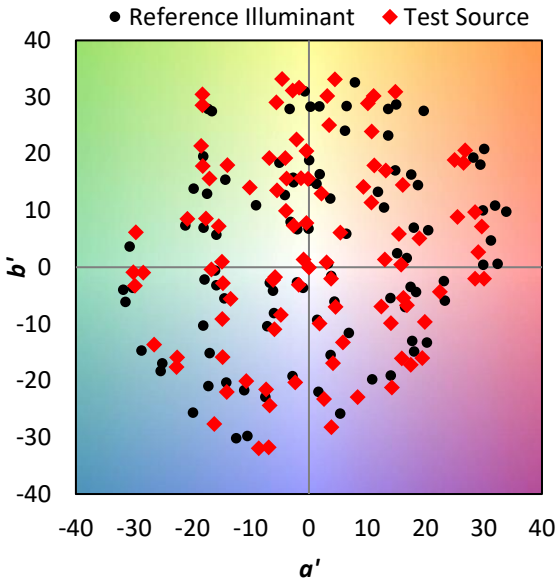
Summary

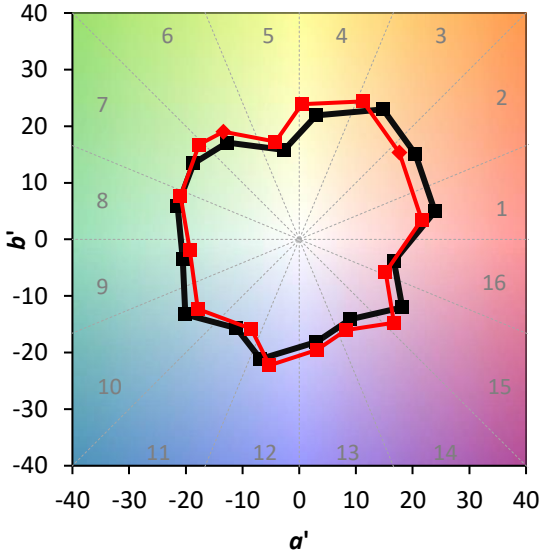
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

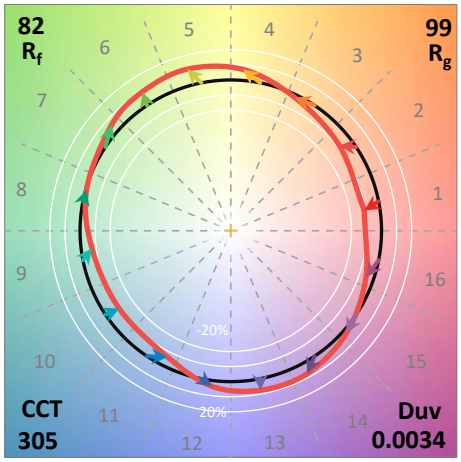
Spectral Power Distribution Comparison

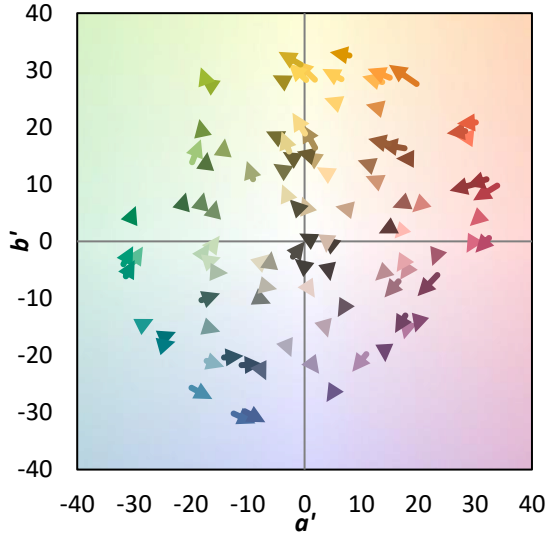


Color Vector Graphics









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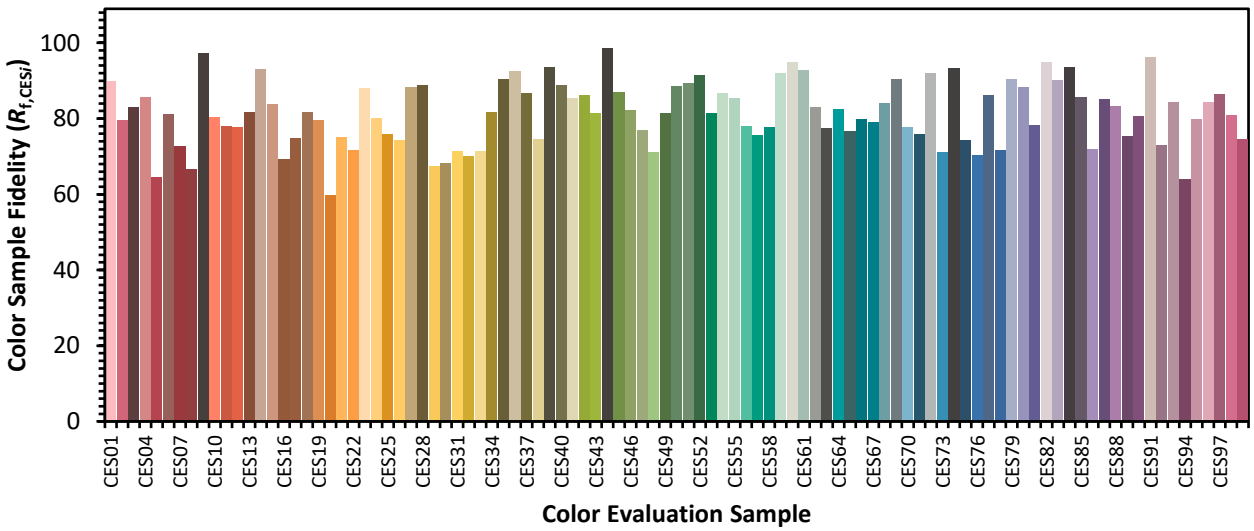
Individual Sample Fidelity Index ($R_{f,i}$)

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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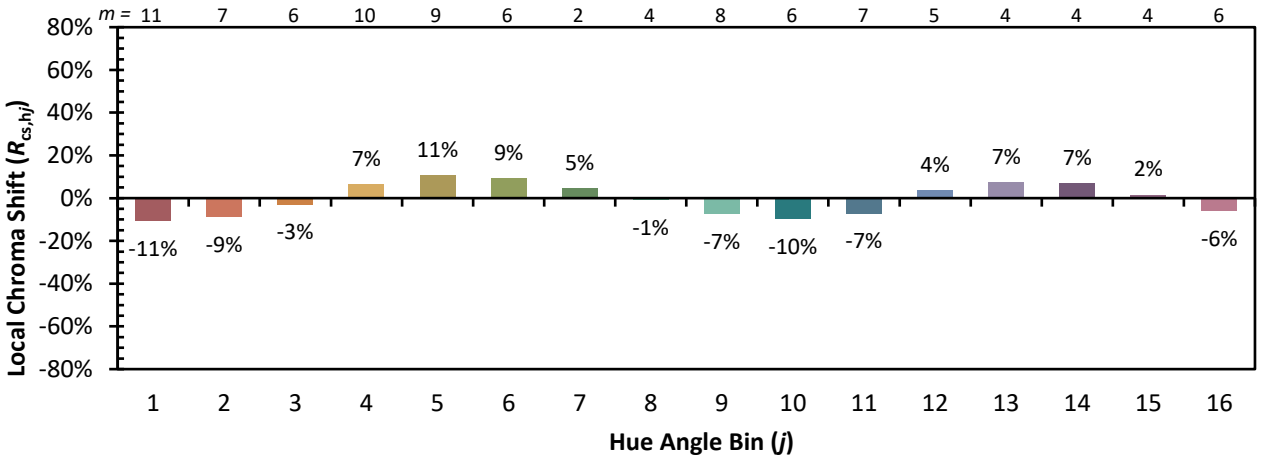
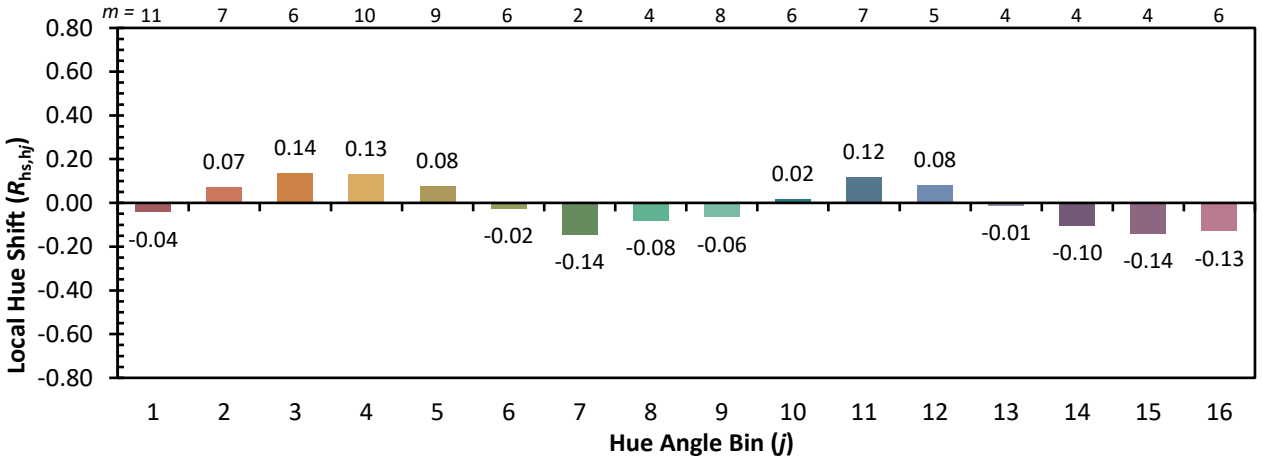
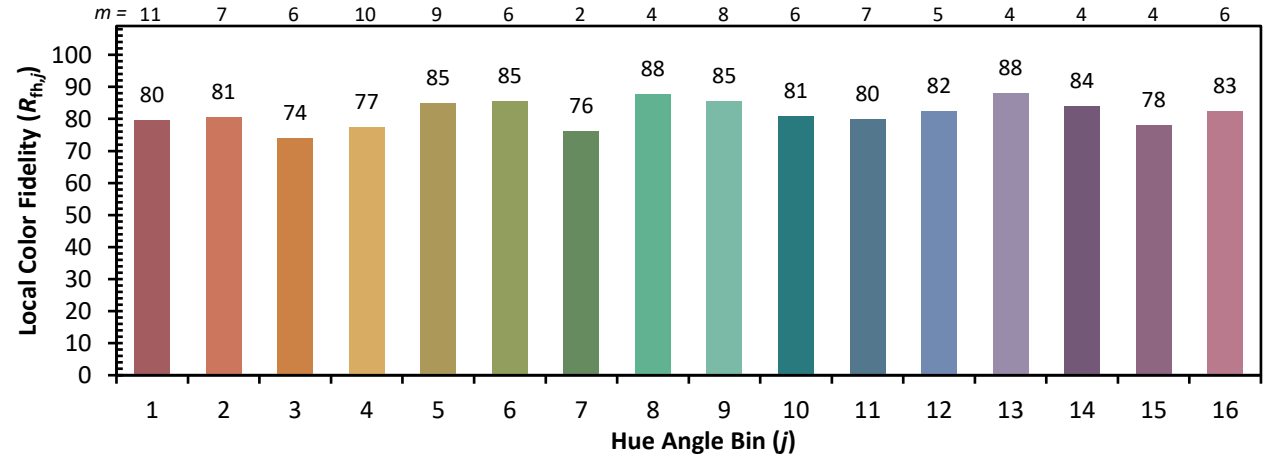
Color Rendition by Hue-Angle Bin







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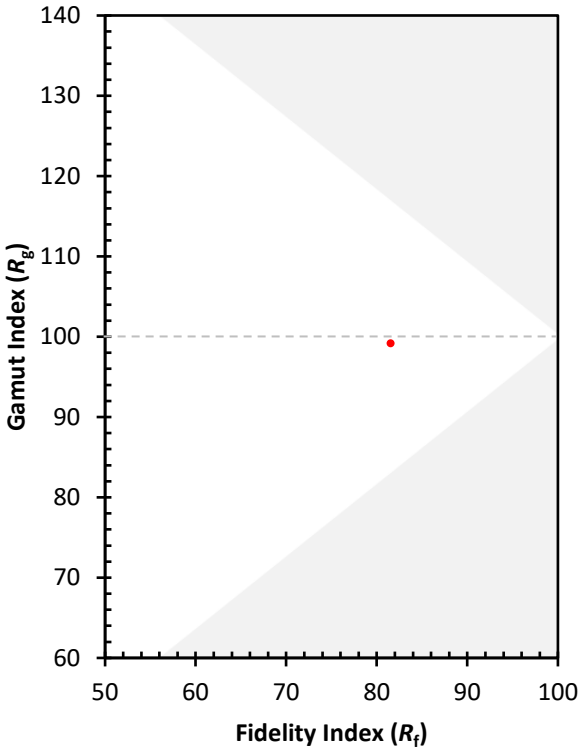
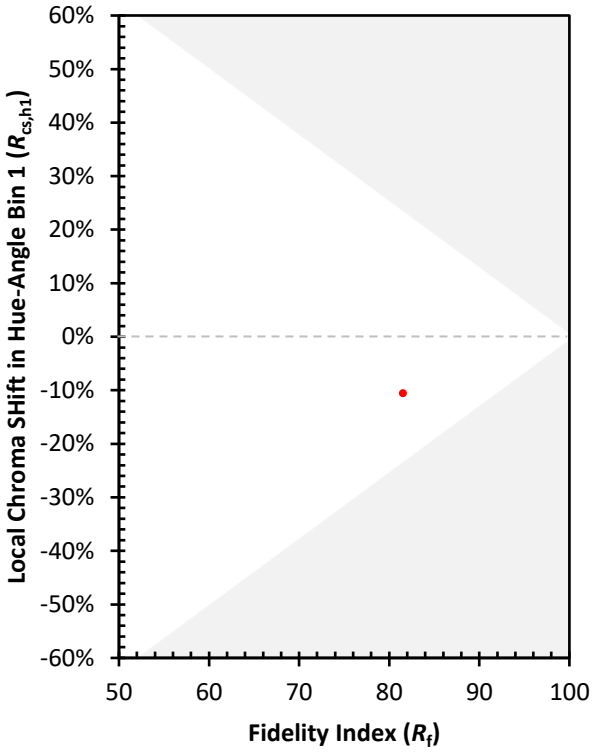
Measure Comparisons





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