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: P642456

Luminaire Tested: GWS-SA6C-830-U-T3-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:	P642456
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
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-GRSBK
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III 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:	13928.9 lumens
Efficiency:	N/A
Efficacy:	73.6 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G1

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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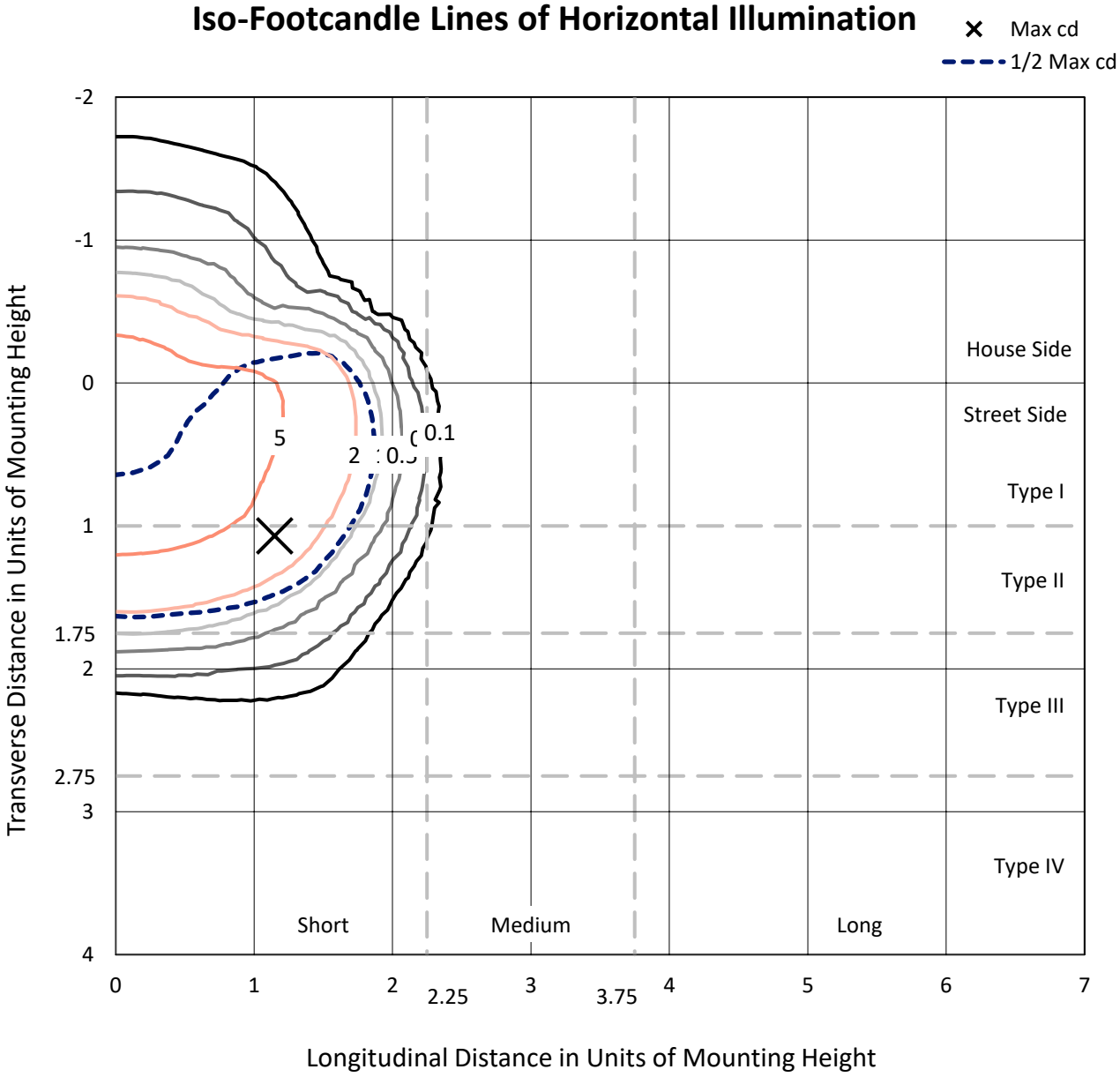
Scaled Data Report

REPORT NUMBER: P642456
CATALOG NUMBER: GWS-SA6C-830-U-T3-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 8.3 fc
Type II - Short - N/A

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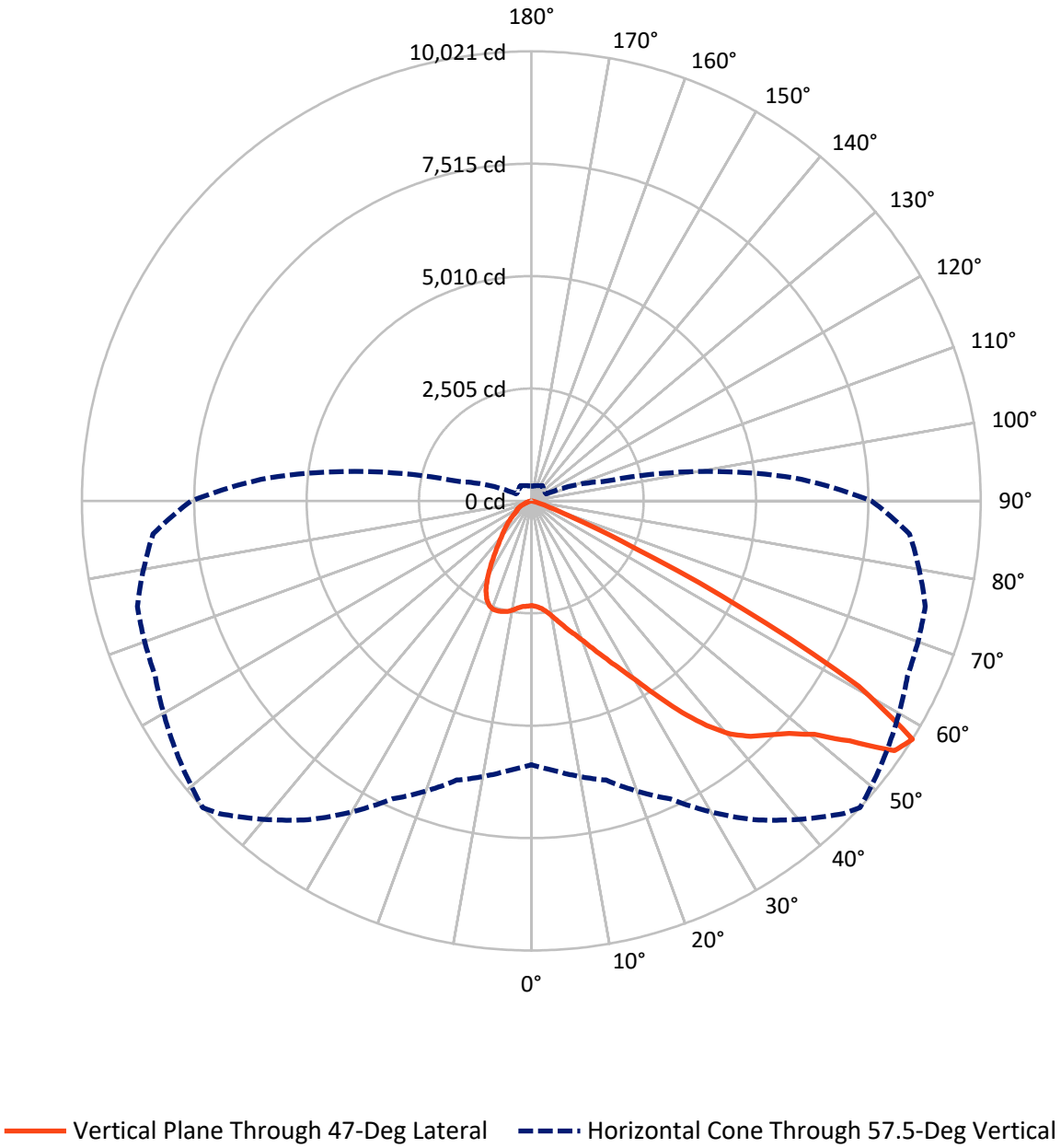
Luminous Intensity Polar Plot



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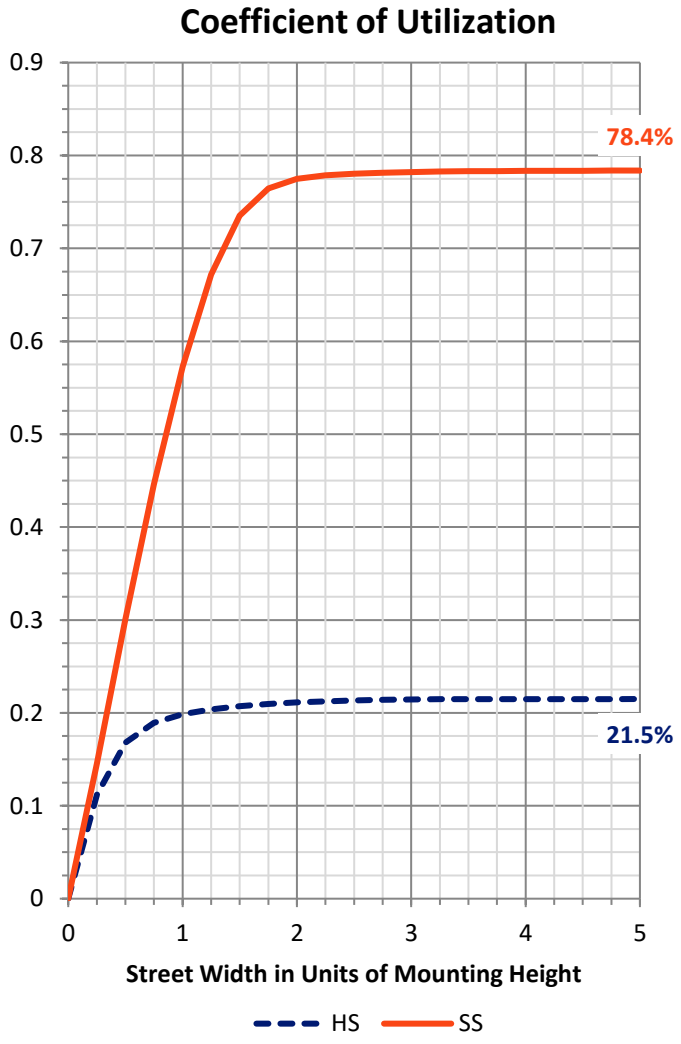
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3021.9	0.0	3021.9
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	10907.0	0.0	10907.0
	% Fixture	78.3	0.0	78.3
Total	Lumens	13928.9	0.0	13928.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.0	1.7
10°-20°	782.7	5.6
20°-30°	1453.4	10.4
30°-40°	2326.6	16.7
40°-50°	3400.9	24.4
50°-60°	4197.4	30.1
60°-70°	1402.5	10.1
70°-80°	130.7	0.9
80°-90°	2.7	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°	13928.9	100.0
0°-180°	13928.9	100.0



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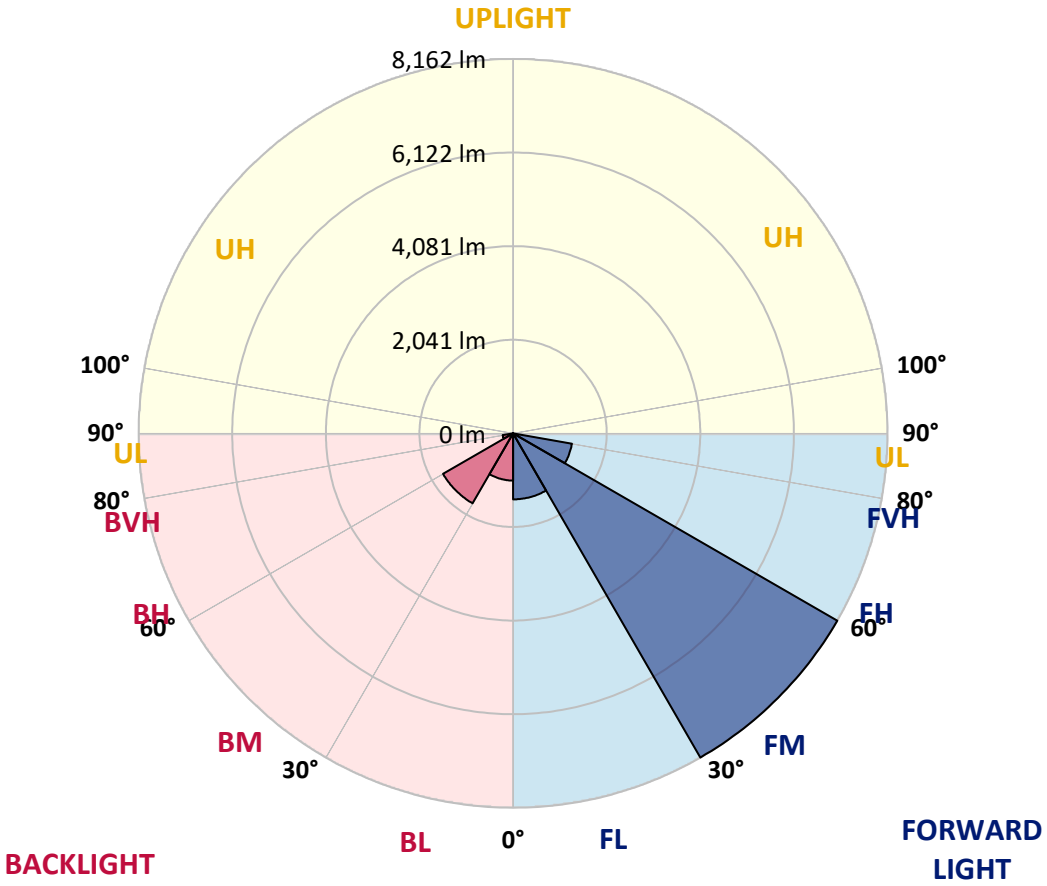
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1439.5	10.3			
FM	(30°-60°)	8162.2	58.6			
FH	(60°-80°)	1303.5	9.4			G1/1800
FVH	(80°-90°)	1.8	0.0			G0/10
BL	(0°-30°)	1028.6	7.4	B3/2500		
BM	(30°-60°)	1762.7	12.7	B2/2500		
BH	(60°-80°)	229.7	1.6	B1/500		G1/500
BVH	(80°-90°)	0.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1
Type II Short



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REPORT NUMBER: P642456
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2331.7	2331.7	2331.7	2331.7	2331.7	2331.7	2331.7	2331.7	2331.7	2331.7	2331.7
2.5°	2356.0	2354.4	2352.7	2362.4	2359.2	2357.6	2360.8	2360.8	2360.8	2351.1	2331.7
5°	2412.6	2412.6	2410.9	2420.6	2412.6	2407.7	2409.3	2409.3	2402.9	2385.1	2360.8
7.5°	2501.5	2498.3	2495.0	2504.7	2496.6	2495.0	2498.3	2488.6	2477.2	2448.1	2414.2
10°	2629.2	2629.2	2624.4	2634.1	2627.6	2624.4	2624.4	2617.9	2596.9	2551.6	2501.5
12.5°	2805.5	2797.4	2786.1	2778.0	2774.8	2773.2	2774.8	2765.1	2742.4	2684.2	2614.7
15°	2997.9	2991.4	2973.7	2960.7	2942.9	2939.7	2949.4	2941.3	2918.7	2839.5	2740.8
17.5°	3240.5	3248.6	3203.3	3175.8	3124.0	3120.8	3124.0	3137.0	3120.8	3018.9	2875.0
20°	3447.4	3453.9	3420.0	3400.5	3353.7	3332.6	3339.1	3360.1	3342.3	3222.7	3022.2
22.5°	3669.0	3677.1	3641.5	3601.1	3580.0	3580.0	3604.3	3633.4	3609.1	3452.3	3190.3
25°	3934.2	3940.6	3911.5	3858.2	3821.0	3867.9	3903.4	3981.1	3940.6	3727.2	3389.2
27.5°	4238.2	4239.8	4197.7	4142.8	4123.3	4210.7	4246.2	4365.9	4349.7	4036.0	3599.4
30°	4563.2	4564.8	4555.1	4517.9	4500.1	4614.9	4663.4	4836.4	4825.1	4419.3	3885.6
32.5°	4901.1	4901.1	4918.9	4915.7	4936.7	5124.3	5201.9	5399.2	5387.8	4888.2	4241.4
35°	5240.7	5242.3	5273.0	5350.7	5438.0	5687.0	5788.9	6028.2	6002.3	5449.3	4695.8
37.5°	5627.2	5611.0	5653.0	5769.5	5963.5	6251.3	6348.3	6576.3	6547.2	6023.3	5289.2
40°	6092.9	6063.7	6063.7	6199.6	6419.5	6751.0	6833.4	6946.6	6848.0	6487.4	5871.3
42.5°	6607.1	6579.6	6544.0	6663.7	6848.0	7106.7	7174.6	7143.9	7063.1	6925.6	6534.3
45°	7127.7	7085.7	7109.9	7182.7	7289.4	7412.3	7438.2	7295.9	7258.7	7297.5	7082.5
47.5°	7523.9	7494.8	7554.6	7656.5	7743.8	7761.6	7743.8	7546.5	7543.3	7680.7	7462.5
50°	7656.5	7659.7	7824.7	8047.8	8188.5	8203.0	8178.8	7952.4	7921.7	7962.1	7667.8
52.5°	7669.4	7682.4	7923.3	8348.6	8731.8	8906.4	8887.0	8642.9	8342.1	8298.4	7978.3
55°	7357.3	7433.3	7769.7	8390.6	9205.6	9763.4	9828.1	9360.8	8914.5	8877.3	8646.1
57.5°	5881.0	6036.3	6442.1	7326.6	8676.8	9852.4	10020.5	9684.2	9252.5	9094.0	8466.6
60°	3515.4	3707.8	4097.5	5182.5	6603.8	8097.9	8387.4	8434.3	8235.4	7777.8	6495.5
62.5°	1508.7	1492.5	1972.7	2803.9	3927.7	5146.9	5277.9	5481.6	5654.6	5176.0	3942.2
65°	517.4	562.7	782.6	1264.5	1966.3	2389.9	2506.3	2689.1	2934.9	2422.3	1444.0
67.5°	320.2	339.6	451.1	747.1	1060.8	1044.6	992.8	963.7	937.9	641.9	396.2
70°	232.8	249.0	316.9	514.2	713.1	501.3	435.0	352.5	391.3	360.6	281.4
72.5°	156.8	169.8	218.3	312.1	365.4	244.2	226.4	257.1	310.5	295.9	229.6
75°	93.8	101.9	124.5	152.0	148.8	126.1	127.7	181.1	237.7	221.5	163.3
77.5°	64.7	67.9	82.5	98.6	72.8	38.8	35.6	50.1	80.8	80.8	55.0
80°	16.2	21.0	21.0	12.9	11.3	9.7	9.7	14.6	22.6	16.2	8.1
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	3.2	3.2
85°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	3.2
87.5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2
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: P642456
CATALOG NUMBER: GWS-SA6C-830-U-T3-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2331.7	2331.7	2331.7	2331.7	2331.7	2331.7	2331.7	2331.7	2331.7	2331.7	2331.7
2.5°	2343.0	2323.6	2336.6	2333.3	2343.0	2346.3	2331.7	2328.5	2330.1	2310.7	2304.2
5°	2365.7	2343.0	2349.5	2343.0	2354.4	2364.1	2359.2	2365.7	2373.8	2359.2	2352.7
7.5°	2414.2	2391.5	2389.9	2380.2	2396.4	2402.9	2401.2	2419.0	2435.2	2425.5	2415.8
10°	2498.3	2467.5	2464.3	2456.2	2461.1	2465.9	2448.1	2451.4	2465.9	2454.6	2449.8
12.5°	2601.8	2564.6	2556.5	2537.1	2537.1	2512.8	2474.0	2465.9	2477.2	2469.2	2461.1
15°	2713.3	2663.2	2650.3	2616.3	2584.0	2538.7	2498.3	2488.6	2496.6	2486.9	2480.5
17.5°	2837.8	2781.2	2739.2	2679.4	2608.2	2554.9	2509.6	2488.6	2475.6	2456.2	2454.6
20°	2960.7	2886.3	2815.2	2719.8	2626.0	2545.2	2470.8	2415.8	2368.9	2339.8	2328.5
22.5°	3103.0	2993.1	2878.3	2744.0	2609.8	2486.9	2356.0	2262.2	2181.3	2153.8	2140.9
25°	3255.0	3112.7	2941.3	2766.7	2554.9	2357.6	2179.7	2040.7	1933.9	1898.4	1883.8
27.5°	3423.2	3227.5	3006.0	2761.8	2441.7	2173.2	1937.2	1764.1	1659.0	1626.7	1638.0
30°	3636.6	3376.3	3086.9	2711.7	2271.9	1914.5	1638.0	1492.5	1413.3	1382.5	1384.2
32.5°	3921.2	3589.7	3204.9	2605.0	2053.6	1620.2	1377.7	1271.0	1217.6	1177.2	1173.9
35°	4328.7	3914.8	3314.8	2433.6	1788.4	1358.3	1182.0	1097.9	1023.6	976.7	984.8
37.5°	4817.0	4323.9	3374.7	2202.4	1490.9	1154.5	1034.9	949.2	865.1	795.6	803.6
40°	5395.9	4859.1	3369.8	1898.4	1219.2	1015.5	912.0	811.7	706.6	643.6	650.0
42.5°	6041.1	5365.2	3264.7	1576.6	1010.6	902.3	793.9	667.8	565.9	527.1	528.8
45°	6600.6	5775.9	3080.4	1243.5	850.5	792.3	671.1	541.7	496.4	468.9	467.3
47.5°	7014.5	6076.7	2816.8	978.3	721.2	692.1	551.4	485.1	449.5	426.9	423.7
50°	7245.8	6181.8	2525.8	766.5	609.6	587.0	493.2	439.8	415.6	401.0	397.8
52.5°	7556.2	6307.9	2317.2	604.8	511.0	480.2	454.4	409.1	392.9	381.6	376.8
55°	8047.8	6552.1	2136.1	480.2	425.3	418.8	428.5	391.3	381.6	363.8	357.4
57.5°	*7585.3*	*5885.9*	*1659.0*	*371.9*	*359.0*	*383.2*	*414.0*	*373.5*	*349.3*	*333.1*	*326.6*
60°	5337.7	3913.1	834.4	299.1	320.2	359.0	389.7	338.0	313.7	316.9	313.7
62.5°	2942.9	1958.2	375.1	250.6	278.1	316.9	333.1	292.7	276.5	304.0	308.8
65°	962.1	666.2	216.7	194.0	219.9	258.7	287.8	278.1	274.9	307.2	316.9
67.5°	295.9	219.9	147.1	139.1	152.0	190.8	242.5	300.8	323.4	333.1	338.0
70°	221.5	173.0	126.1	118.0	124.5	145.5	205.4	250.6	236.1	237.7	234.5
72.5°	177.9	137.4	108.3	103.5	103.5	100.3	108.3	135.8	153.6	161.7	161.7
75°	124.5	97.0	82.5	76.0	59.8	48.5	43.7	43.7	38.8	37.2	35.6
77.5°	42.0	35.6	32.3	25.9	17.8	14.6	12.9	11.3	8.1	4.9	3.2
80°	6.5	4.9	3.2	3.2	3.2	1.6	1.6	1.6	0.0	0.0	0.0
82.5°	3.2	3.2	3.2	3.2	3.2	1.6	1.6	0.0	0.0	0.0	0.0
85°	3.2	3.2	3.2	3.2	3.2	1.6	1.6	0.0	0.0	0.0	0.0
87.5°	3.2	3.2	3.2	3.2	1.6	1.6	1.6	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

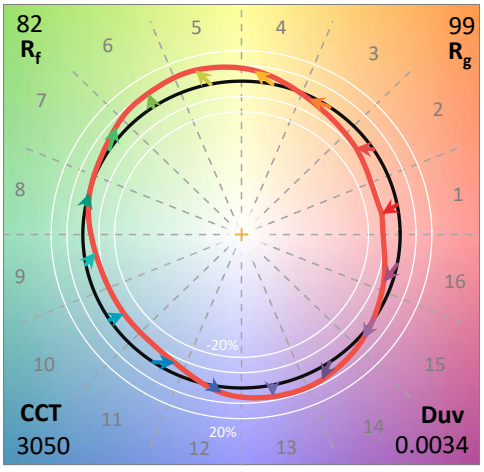
Test Information

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

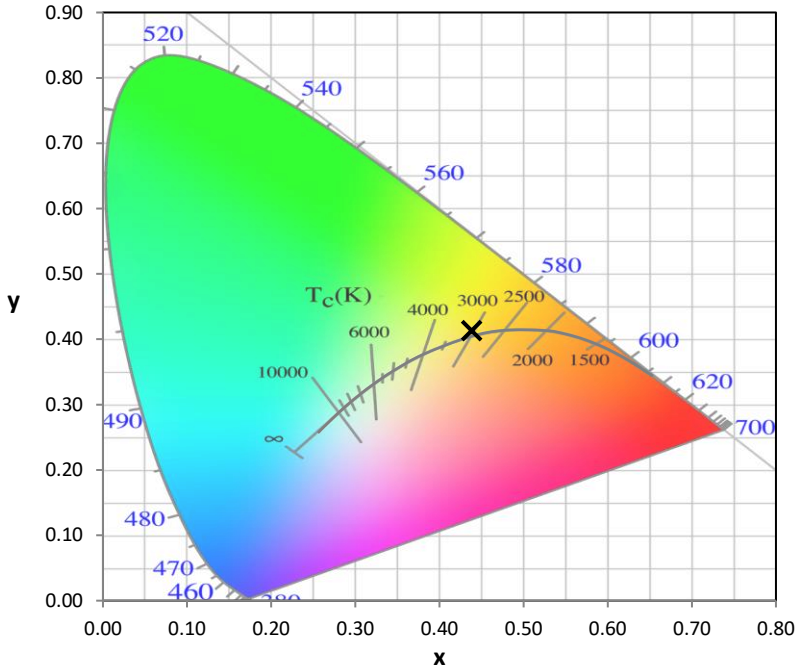
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

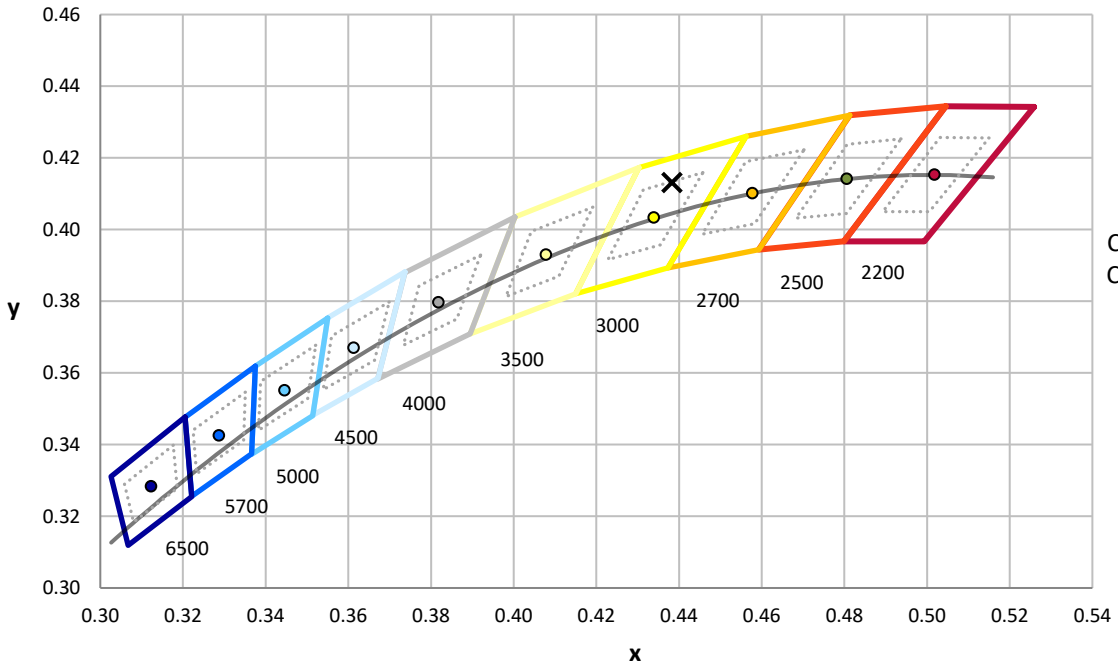
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

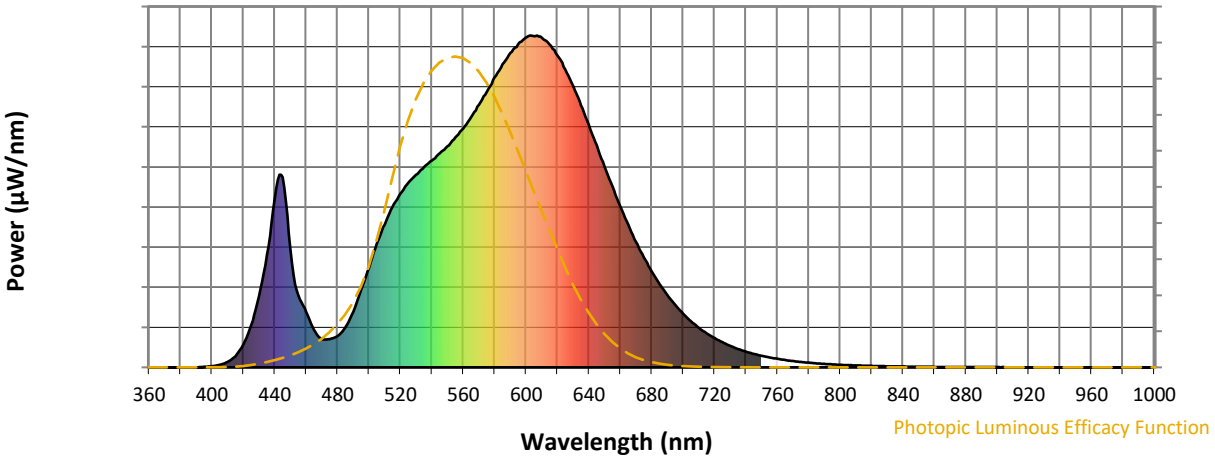


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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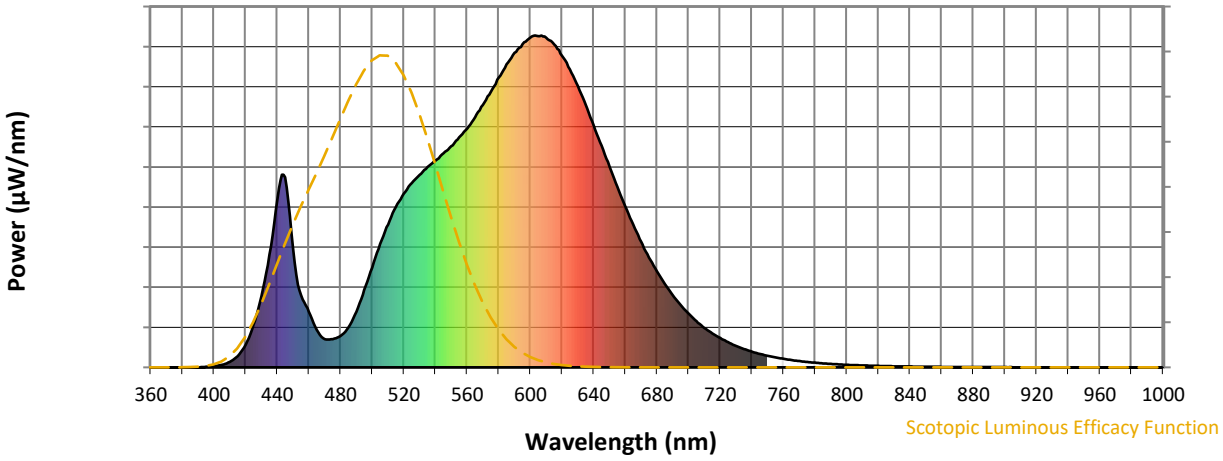
Scotopic Flux vs. Wavelength



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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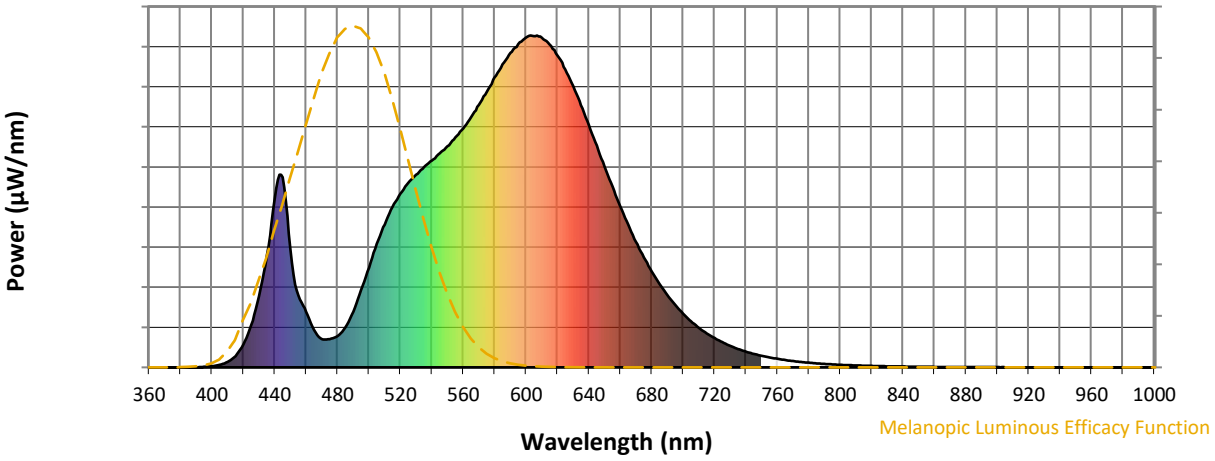
Melanopic Flux vs. Wavelength



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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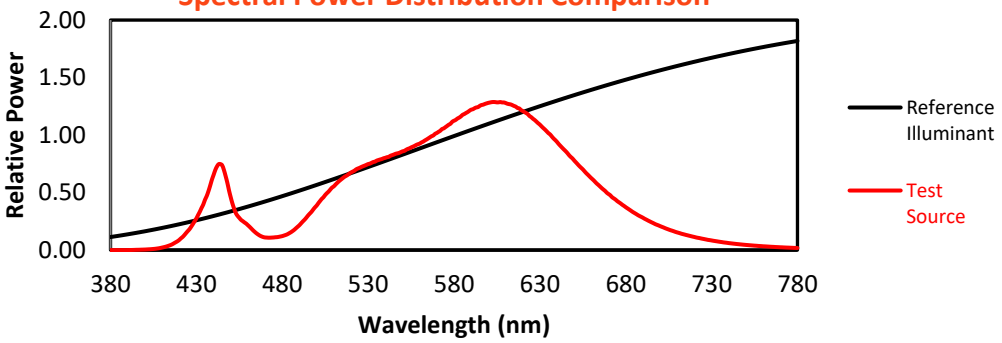
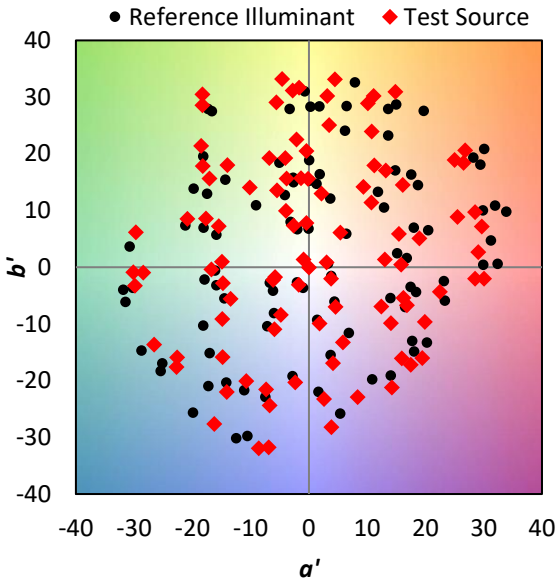
Summary

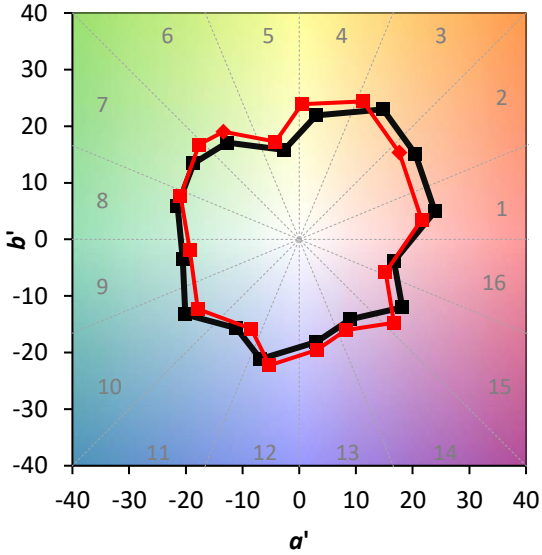
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

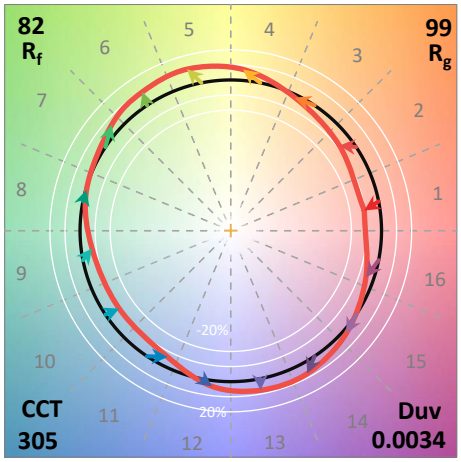
Spectral Power Distribution Comparison

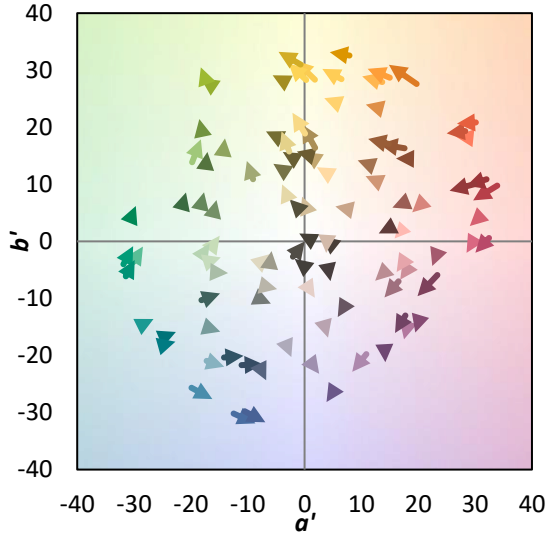


Color Vector Graphics









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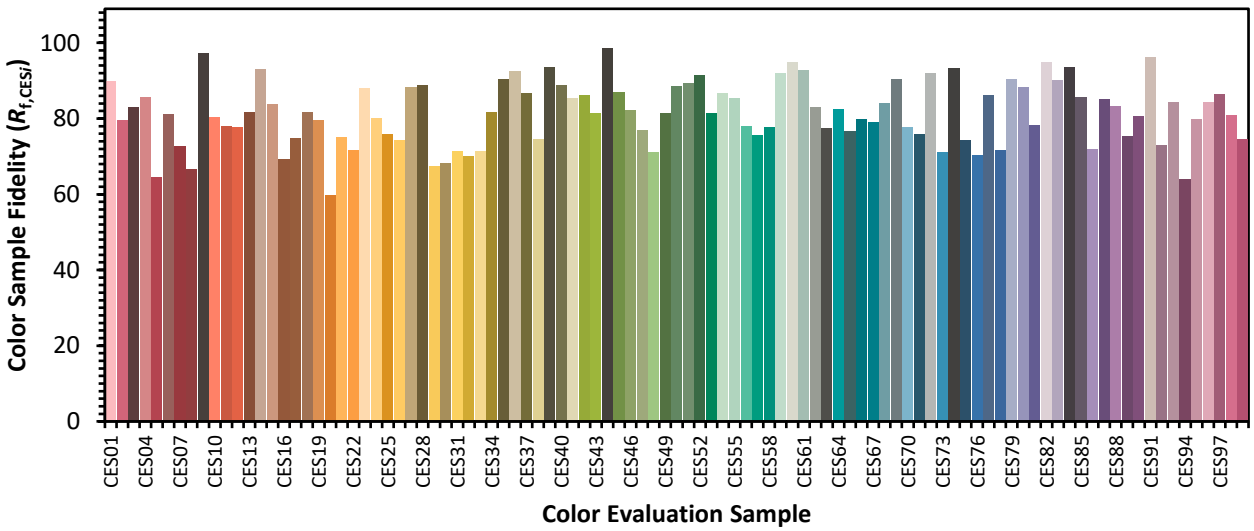
Individual Sample Fidelity Index ($R_{f,i}$)

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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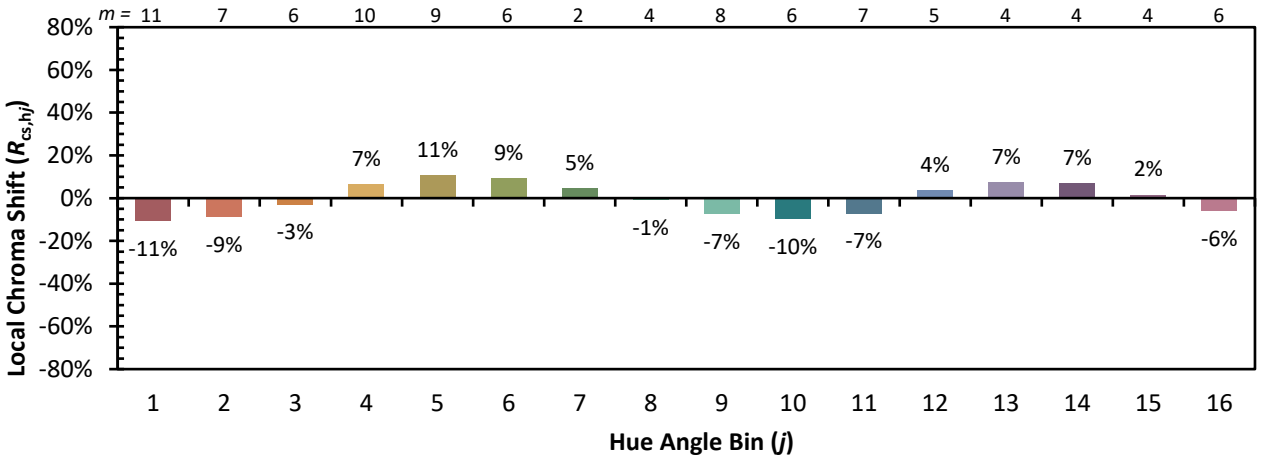
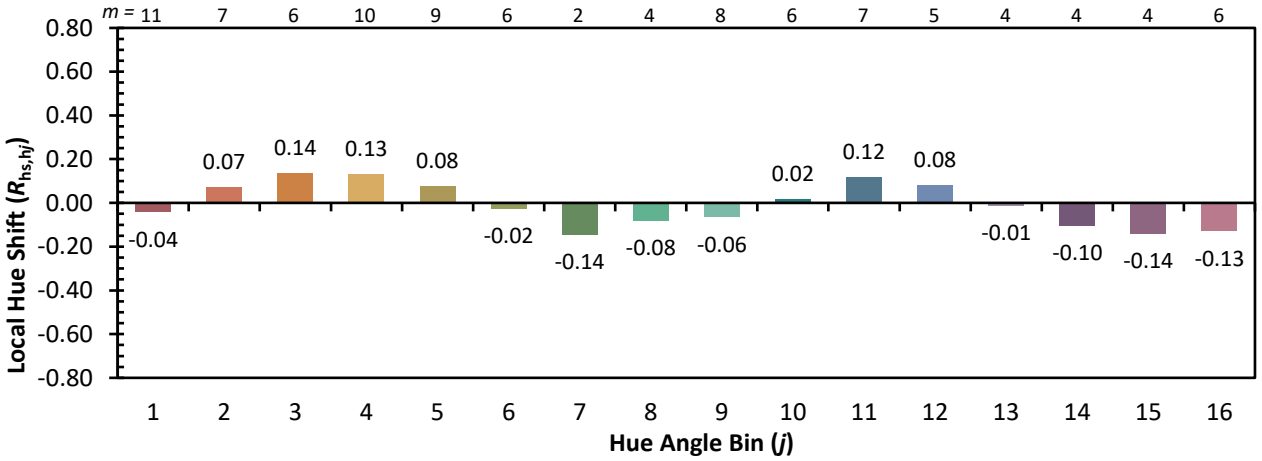
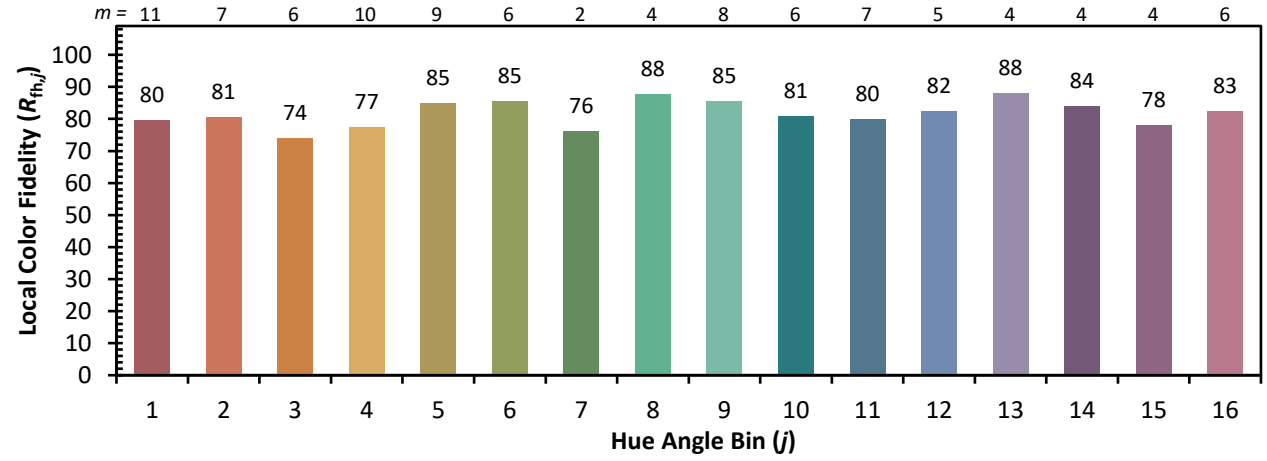
Color Rendition by Hue-Angle Bin







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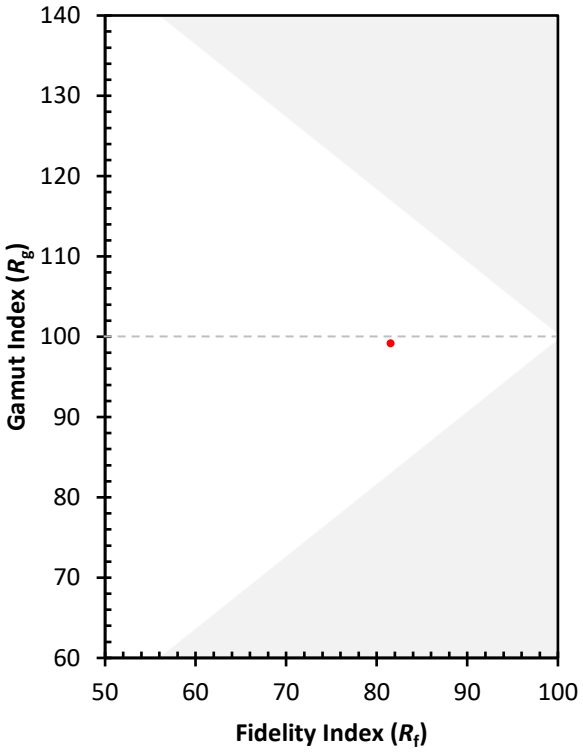
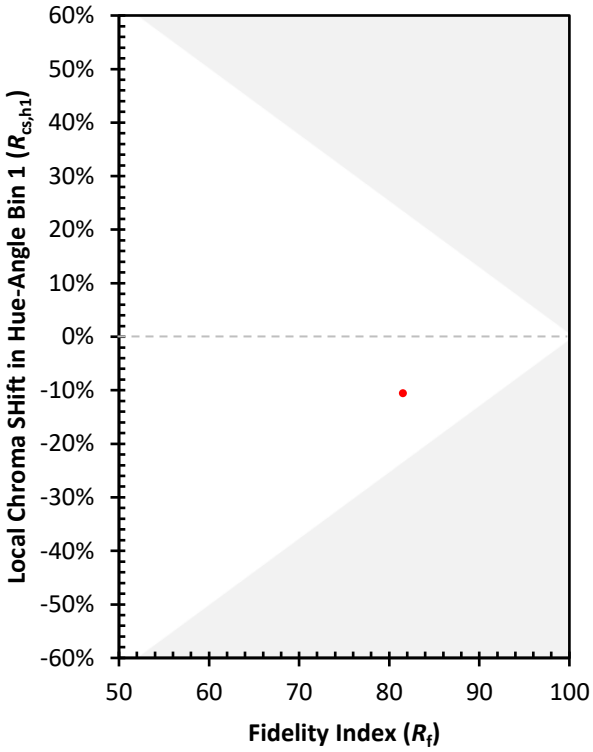
Measure Comparisons





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