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: P642467

Luminaire Tested: GWS-SA6C-830-U-T4W-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:	P642467
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6C-830-U-T4W-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22363.2 lumens
Efficiency:	N/A
Efficacy:	118.2 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U0 - G4

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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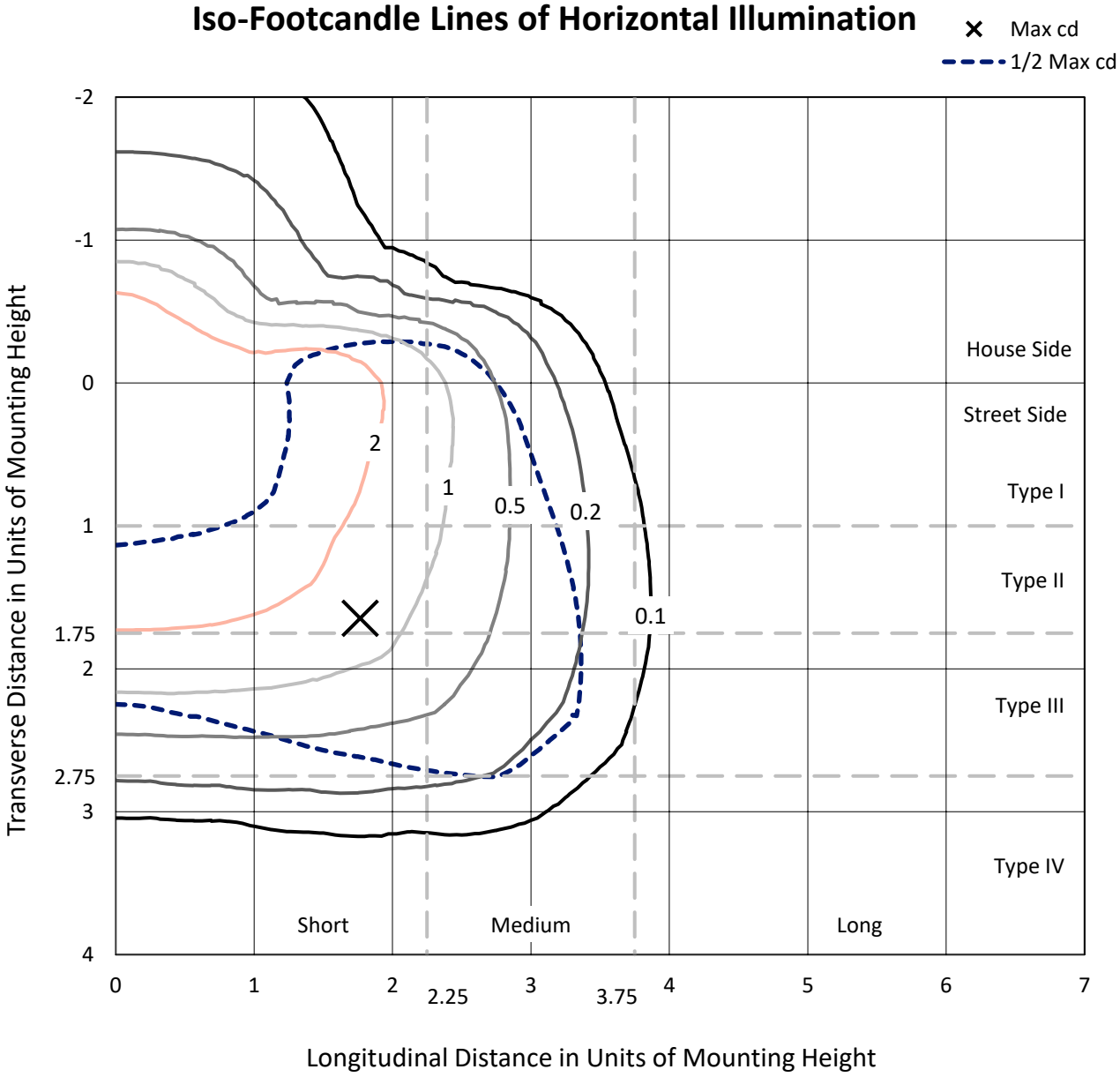
Scaled Data Report

REPORT NUMBER: P642467
CATALOG NUMBER: GWS-SA6C-830-U-T4W-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
Type III - Short - N/A

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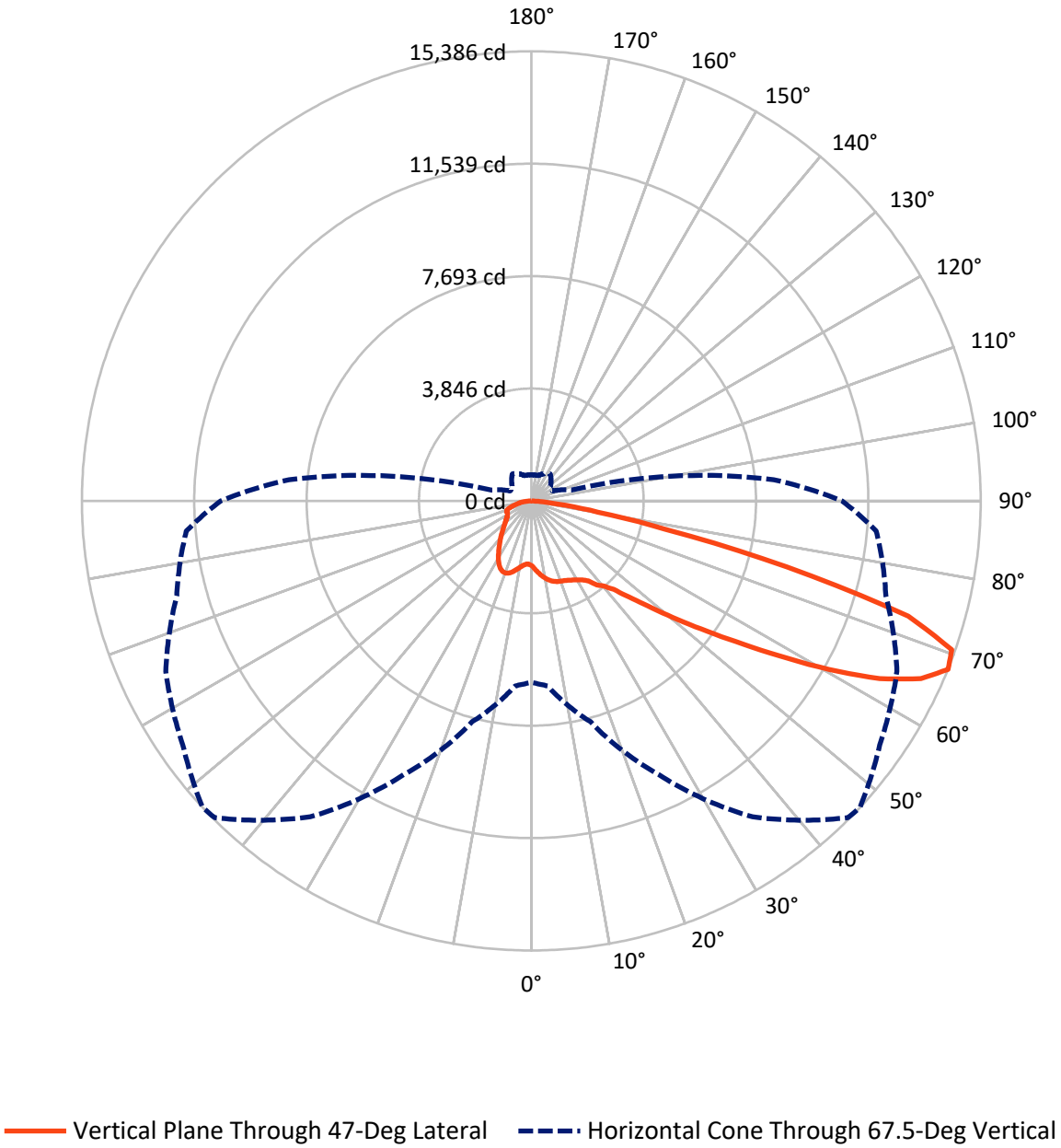
Luminous Intensity Polar Plot



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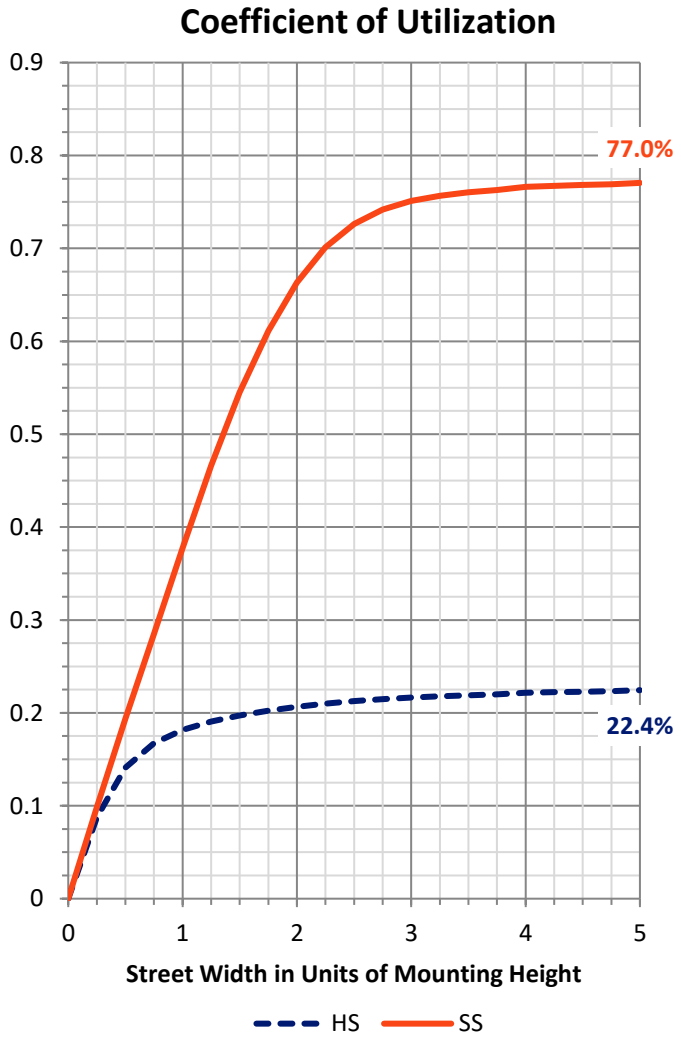
REPORT NUMBER: P642467
CATALOG NUMBER: GWS-SA6C-830-U-T4W-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5096.7	0.0	5096.7
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	17266.5	0.0	17266.5
	% Fixture	77.2	0.0	77.2
Total	Lumens	22363.2	0.0	22363.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.6	1.0
10°-20°	754.8	3.4
20°-30°	1283.0	5.7
30°-40°	1879.5	8.4
40°-50°	2863.7	12.8
50°-60°	5123.7	22.9
60°-70°	6837.0	30.6
70°-80°	3091.9	13.8
80°-90°	302.9	1.4
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°	22363.2	100.0
0°-180°	22363.2	100.0



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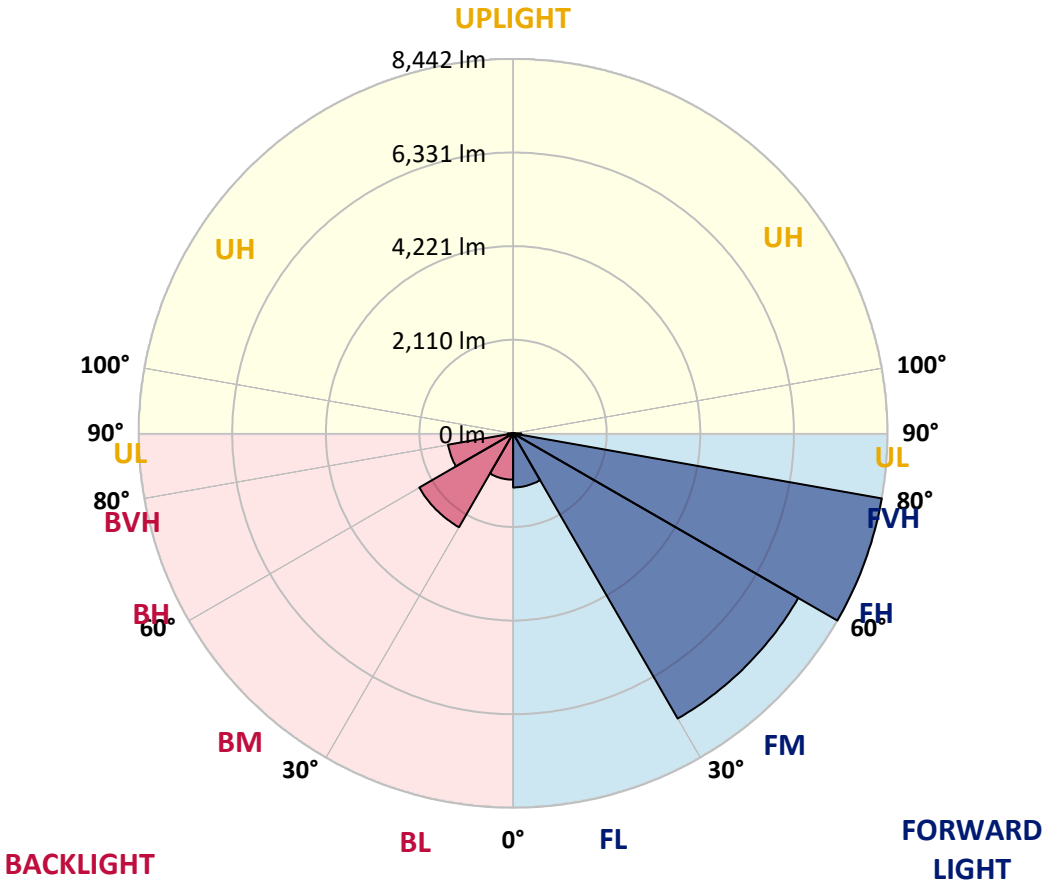
REPORT NUMBER: P642467
CATALOG NUMBER: GWS-SA6C-830-U-T4W-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1219.6	5.5			
FM	(30°-60°)	7424.8	33.2			
FH	(60°-80°)	8441.9	37.7			G4/12000
FVH	(80°-90°)	180.2	0.8			G2/225
BL	(0°-30°)	1044.8	4.7	B3/2500		
BM	(30°-60°)	2442.1	10.9	B2/2500		
BH	(60°-80°)	1487.1	6.6	B3/2500		G3/2500
BVH	(80°-90°)	122.7	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-G4
Type III Short



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Scaled Data Report

REPORT NUMBER: P642467
CATALOG NUMBER: GWS-SA6C-830-U-T4W-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2216.9	2216.9	2216.9	2216.9	2216.9	2216.9	*2216.9*	2216.9	2216.9	2216.9	2216.9
2.5°	2364.0	2372.1	2370.5	2357.6	2349.5	2334.9	*2336.6*	2313.9	2280.0	2257.3	2231.5
5°	2572.6	2585.6	2569.4	2548.4	2516.0	2469.2	*2464.3*	2412.6	2347.9	2302.6	2255.7
7.5°	2753.7	2761.8	2742.4	2706.9	2660.0	2596.9	*2585.6*	2524.1	2443.3	2372.1	2304.2
10°	2894.4	2904.1	2878.3	2831.4	2769.9	2706.9	*2698.8*	2635.7	2550.0	2465.9	2380.2
12.5°	3014.1	3017.3	2989.8	2926.8	2860.5	2795.8	*2787.7*	2729.5	2650.3	2564.6	2470.8
15°	3083.6	3085.2	3051.3	2981.7	2918.7	2862.1	*2857.2*	2807.1	2734.3	2653.5	2553.2
17.5°	3078.8	3082.0	3057.7	2996.3	2941.3	2907.4	*2902.5*	2870.2	2813.6	2740.8	2640.6
20°	3018.9	3022.2	3006.0	2965.6	2936.5	2926.8	*2928.4*	2918.7	2884.7	2824.9	2723.0
22.5°	2972.0	2976.9	2962.3	2933.2	2930.0	2952.6	*2957.5*	2962.3	2946.2	2892.8	2794.2
25°	2994.7	3002.8	2980.1	2939.7	2946.2	2996.3	*3006.0*	3022.2	3009.2	2964.0	2878.3
27.5°	3151.5	3156.4	3098.2	3015.7	2996.3	3049.7	*3064.2*	3090.1	3080.4	3038.3	2972.0
30°	3515.3	3512.1	3387.6	3185.5	3104.6	3125.7	*3137.0*	3174.2	3177.4	3149.9	3086.8
32.5°	4027.9	4011.8	3819.3	3497.6	3263.1	3211.4	*3224.3*	3274.4	3311.6	3282.5	3196.8
35°	4569.6	4555.1	4343.2	3966.5	3555.8	3376.3	*3361.7*	3400.5	3457.1	3376.3	3253.4
37.5°	5085.5	5062.8	4846.1	4380.4	3916.4	3665.7	*3644.7*	3605.9	3571.9	3416.7	3322.9
40°	5657.9	5632.0	5442.8	4915.7	4314.1	3887.3	*3833.9*	3680.3	3649.6	3550.9	3504.0
42.5°	6269.1	6269.1	6112.2	5593.2	4794.4	4204.2	*4134.7*	3903.4	3935.8	3871.1	3816.1
45°	6880.3	6898.1	6773.6	6275.6	5436.3	4802.5	*4690.9*	4362.7	4440.3	4411.2	4383.7
47.5°	7401.0	7434.9	7410.7	6972.5	6222.2	5530.1	*5360.3*	5019.2	5185.7	5255.2	5332.9
50°	7962.1	7999.3	7975.0	7802.0	7142.3	6411.4	*6259.4*	5906.9	6193.1	6401.7	6655.6
52.5°	8794.8	8848.2	8646.1	8579.8	8259.6	7412.3	*7276.5*	6875.5	7394.5	7740.6	8306.5
55°	9498.2	9496.6	9425.5	9577.5	9459.4	8636.4	*8486.0*	8122.2	8785.1	9152.2	9980.1
57.5°	9824.9	9863.7	10107.8	10538.0	10774.0	10132.1	*9988.2*	9616.3	10277.6	10468.4	11362.6
60°	9993.0	10041.5	10513.7	11364.2	11999.7	11765.3	*11708.7*	11234.9	11606.8	11584.2	12528.5
62.5°	9757.0	9854.0	10612.3	11742.6	12874.5	13406.5	*13388.7*	12672.4	12737.1	12515.5	13251.3
65°	8673.6	8778.7	9968.8	11553.4	13374.2	14654.8	*14659.7*	13974.1	13605.4	12968.3	13130.0
67.5°	*6202.8*	*6353.2*	*7824.6*	*10337.5*	*13197.9*	*15329.1*	*15385.7*	*14564.3*	*13809.1*	*12567.3*	*11855.8*
70°	3381.1	3491.1	4644.0	7514.2	11610.0	15167.4	*15272.5*	14279.7	12910.1	10871.1	9126.3
72.5°	1536.1	1571.7	2160.3	4123.3	7931.4	13055.6	*13495.4*	12743.5	10602.6	8030.0	5803.4
75°	703.4	719.6	941.1	1972.7	4144.4	8736.6	*9045.5*	9491.8	7378.4	5070.9	3025.4
77.5°	441.4	446.3	535.2	902.3	2066.5	4361.0	*4686.1*	5651.4	4320.6	2509.6	1264.5
80°	260.3	265.2	333.1	488.3	970.2	1995.4	*2304.2*	2234.7	2030.9	1083.4	575.7
82.5°	131.0	135.8	192.4	278.1	528.8	793.9	*934.6*	939.5	756.8	587.0	325.0
85°	46.9	48.5	63.1	110.0	224.8	262.0	*292.7*	357.4	370.3	341.2	156.8
87.5°	0.0	0.0	1.6	3.2	6.5	25.9	*27.5*	51.7	108.3	121.3	63.1
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: P642467
CATALOG NUMBER: GWS-SA6C-830-U-T4W-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2216.9	2216.9	2216.9	2216.9	2216.9	2216.9	2216.9	2216.9	2216.9	2216.9	2216.9
2.5°	2223.4	2199.1	2191.0	2182.9	2170.0	2165.2	2155.5	2145.8	2145.8	2136.1	2131.2
5°	2234.7	2202.3	2181.3	2171.6	2163.5	2168.4	2168.4	2171.6	2182.9	2176.5	2179.7
7.5°	2275.1	2237.9	2208.8	2200.7	2200.7	2220.1	2233.1	2249.2	2270.3	2273.5	2273.5
10°	2346.3	2302.6	2271.9	2267.0	2275.1	2302.6	2322.0	2341.4	2367.3	2368.9	2372.1
12.5°	2423.9	2380.2	2349.5	2356.0	2364.0	2399.6	2420.6	2436.8	2462.7	2462.7	2461.1
15°	2504.7	2456.2	2430.3	2443.3	2467.5	2508.0	2511.2	2512.8	2525.7	2522.5	2520.9
17.5°	2588.8	2537.1	2517.7	2537.1	2562.9	2582.3	2566.2	2543.5	2538.7	2532.2	2529.0
20°	2671.3	2617.9	2609.8	2624.4	2632.5	2616.3	2566.2	2524.1	2504.7	2495.0	2491.8
22.5°	2742.4	2697.1	2692.3	2692.3	2651.9	2595.3	2520.9	2464.3	2438.4	2425.5	2422.3
25°	2826.5	2784.5	2776.4	2732.7	2629.2	2525.7	2425.5	2373.7	2352.7	2346.3	2347.9
27.5°	2925.1	2896.0	2870.2	2745.7	2564.6	2402.9	2289.7	2267.0	2258.9	2267.0	2271.9
30°	3046.4	3017.3	2959.1	2729.5	2461.1	2242.8	2134.4	2132.8	2157.1	2178.1	2181.3
32.5°	3145.1	3132.1	3036.7	2677.7	2315.5	2066.5	1974.4	1980.8	2024.5	2053.6	2058.4
35°	3222.7	3243.7	3101.4	2592.0	2142.5	1900.0	1827.2	1830.4	1854.7	1895.1	1896.7
37.5°	3332.6	3403.8	3159.6	2461.1	1943.6	1756.1	1689.8	1665.5	1662.3	1673.6	1676.8
40°	3554.2	3660.9	3201.7	2270.3	1751.2	1626.7	1552.3	1505.4	1465.0	1434.3	1424.6
42.5°	3888.9	4011.8	3225.9	2039.0	1579.8	1499.0	1414.9	1355.0	1283.9	1219.2	1196.6
45°	4503.3	4543.8	3225.9	1793.2	1427.8	1379.3	1295.2	1224.1	1133.5	1057.5	1041.3
47.5°	5486.5	5357.1	3229.1	1555.5	1293.6	1274.2	1201.4	1120.6	1020.3	957.3	947.6
50°	6967.6	6513.3	3295.4	1358.3	1182.0	1185.3	1131.9	1043.0	952.4	905.5	897.4
52.5°	8646.1	7937.8	3473.3	1212.7	1088.2	1112.5	1083.4	997.7	916.8	876.4	868.3
55°	10224.3	9247.6	3625.3	1109.3	1009.0	1051.0	1049.4	970.2	897.4	857.0	852.2
57.5°	11566.4	10145.0	3602.7	1025.2	941.1	994.5	1018.7	952.4	884.5	850.5	845.7
60°	12400.7	10620.4	3280.9	947.6	889.3	954.0	1000.9	947.6	891.0	882.9	884.5
62.5°	12762.9	10533.1	2663.2	889.3	855.4	934.6	1020.3	981.5	950.8	970.2	981.5
65°	12200.2	9782.8	1959.8	845.7	823.1	939.5	1065.6	1034.9	950.8	963.7	968.6
67.5°	*10638.2*	*8327.5*	*1416.5*	*802.0*	*782.6*	*954.0*	*1130.3*	*1026.8*	*895.8*	*895.8*	*886.1*
70°	7666.2	5989.4	1028.4	758.4	742.2	933.0	1133.5	971.8	832.8	827.9	803.6
72.5°	4613.3	3533.1	802.0	709.9	680.8	827.9	1062.4	907.1	771.3	730.9	701.8
75°	2396.4	1770.6	672.7	656.5	583.7	701.8	971.8	806.9	659.7	624.2	608.0
77.5°	1026.8	827.9	577.3	585.4	485.1	590.2	784.2	698.5	585.4	540.1	525.5
80°	506.1	470.5	456.0	468.9	388.1	456.0	675.9	611.2	496.4	444.7	423.7
82.5°	289.4	274.9	328.3	333.1	276.5	381.6	570.8	517.4	410.7	354.1	320.2
85°	134.2	143.9	198.9	200.5	171.4	262.0	373.5	291.1	218.3	181.1	173.0
87.5°	53.4	63.1	87.3	85.7	50.1	48.5	32.3	17.8	14.6	12.9	11.3
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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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

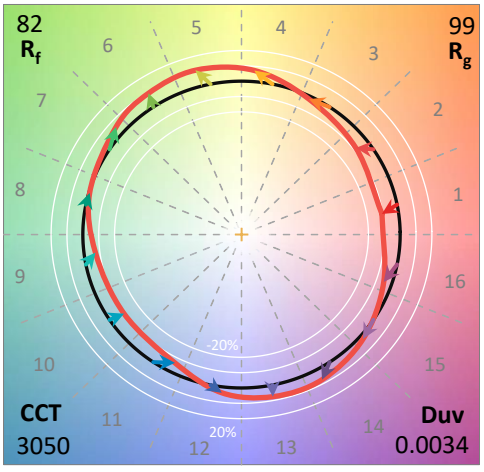
Test Information

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

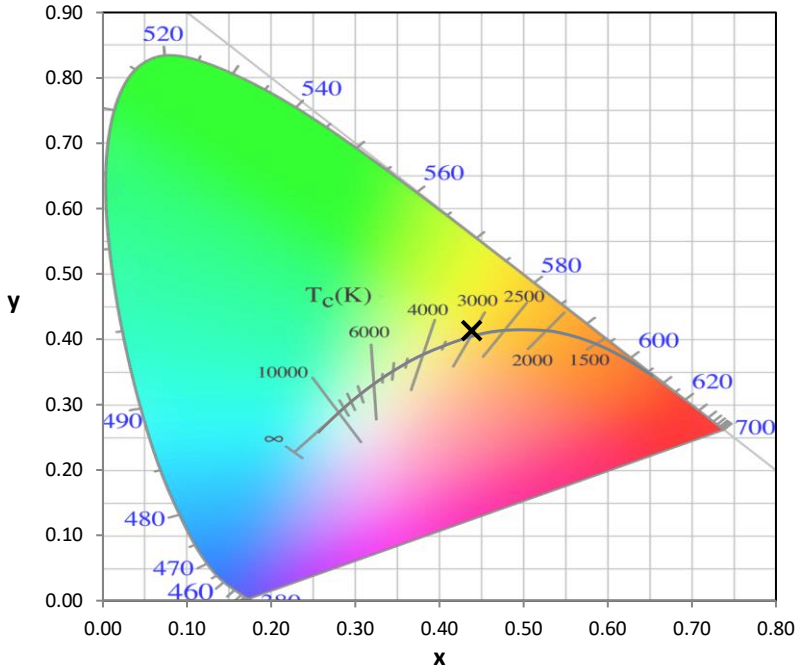
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

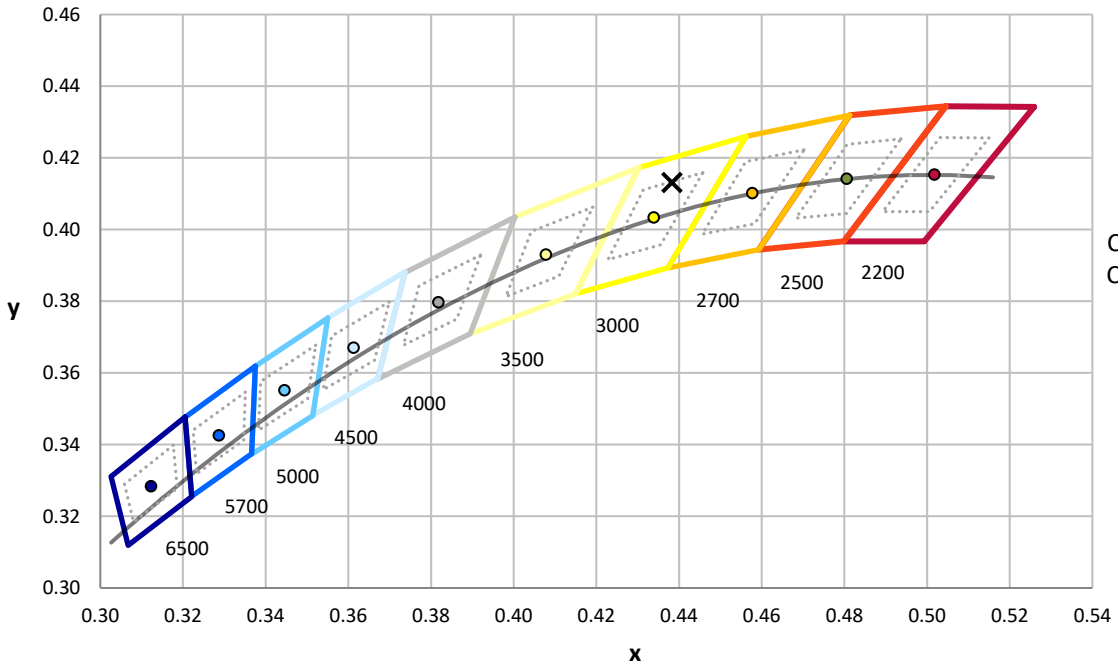
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

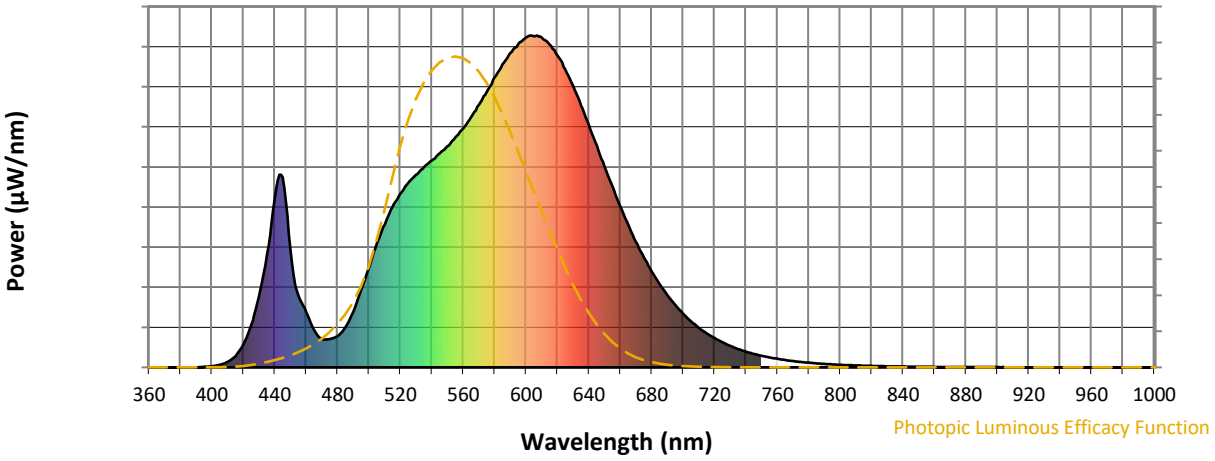


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

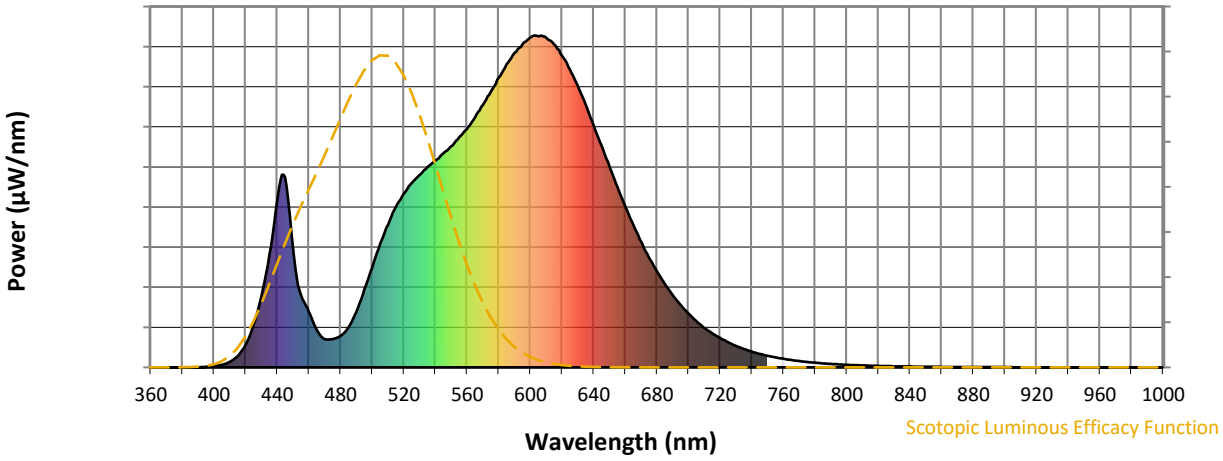


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength

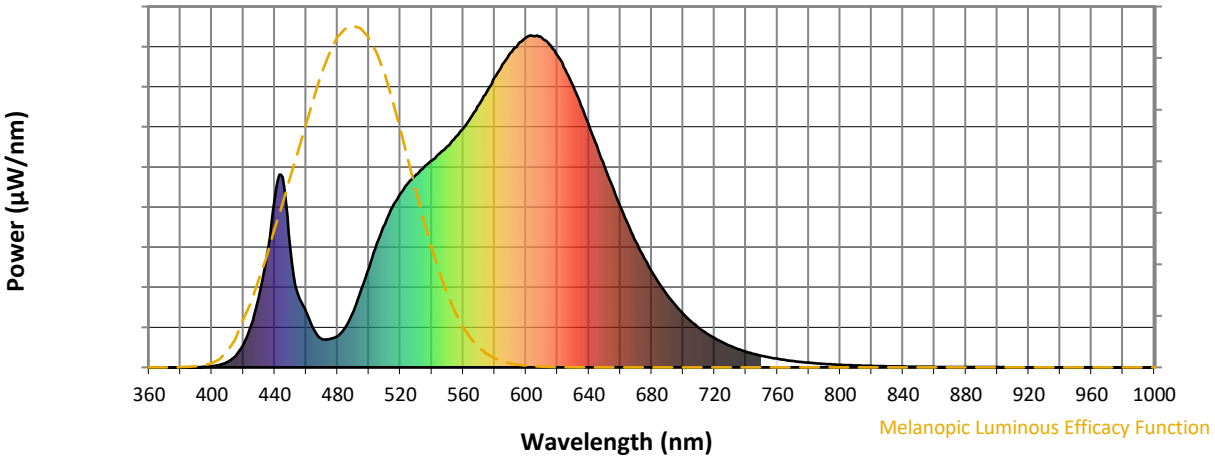


Scotopic Lumens: NR **S/P: 1.27**

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			

REPORT NUMBER: SP1-2408-195-9

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			

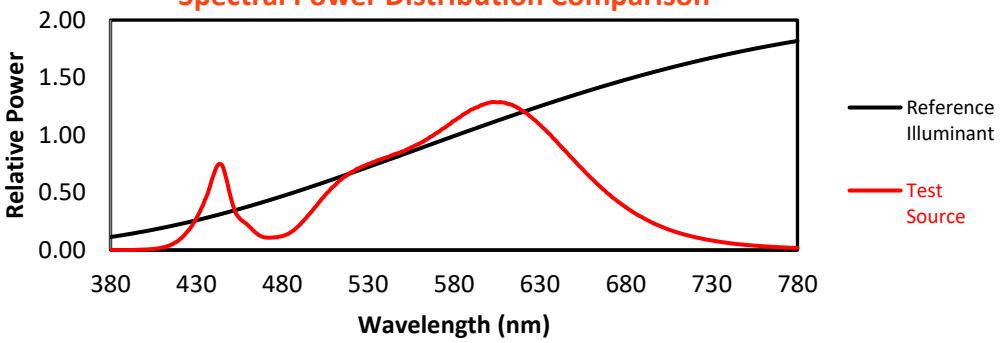
REPORT NUMBER: SP1-2408-195-9

TM-30-18

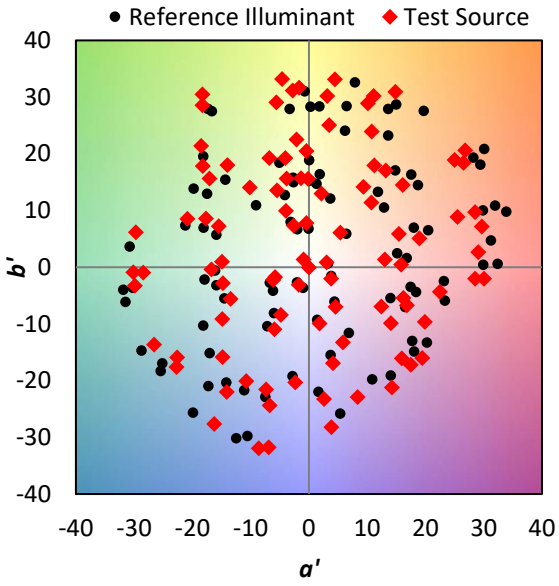
Summary

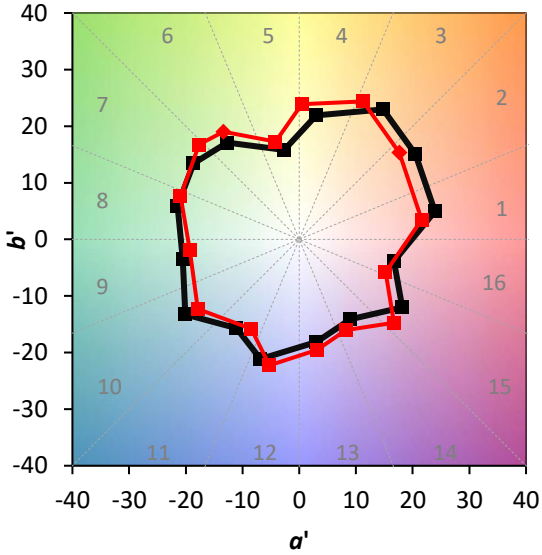
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

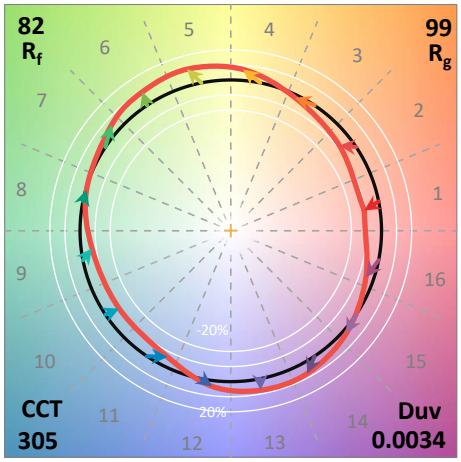
Spectral Power Distribution Comparison

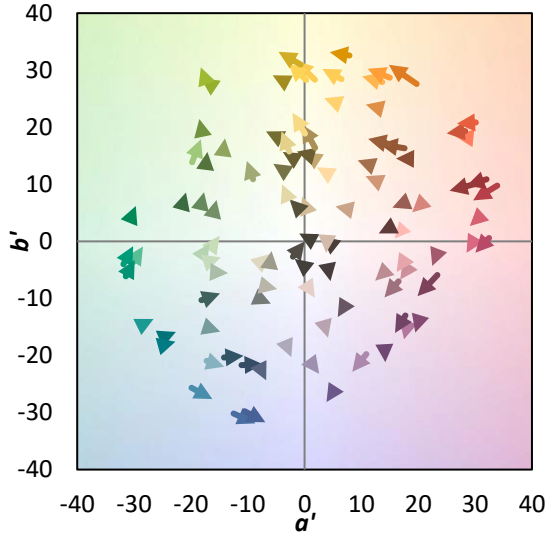


Color Vector Graphics







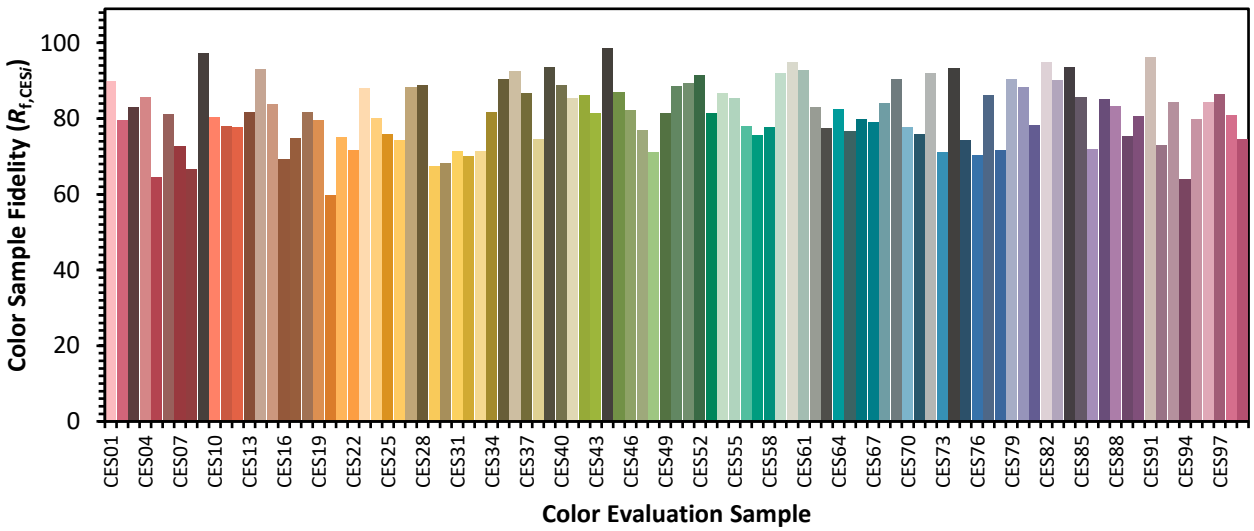


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

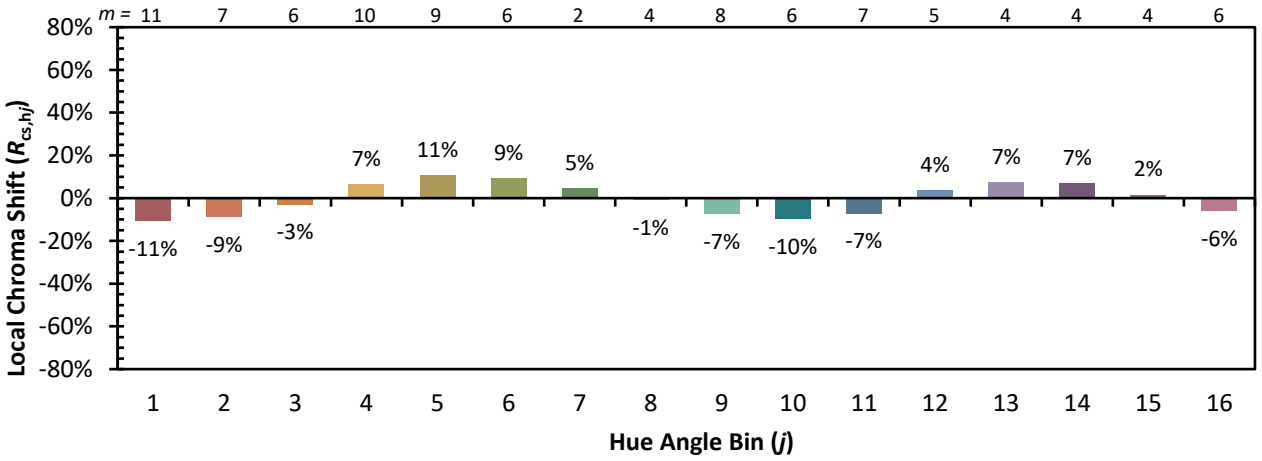
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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	

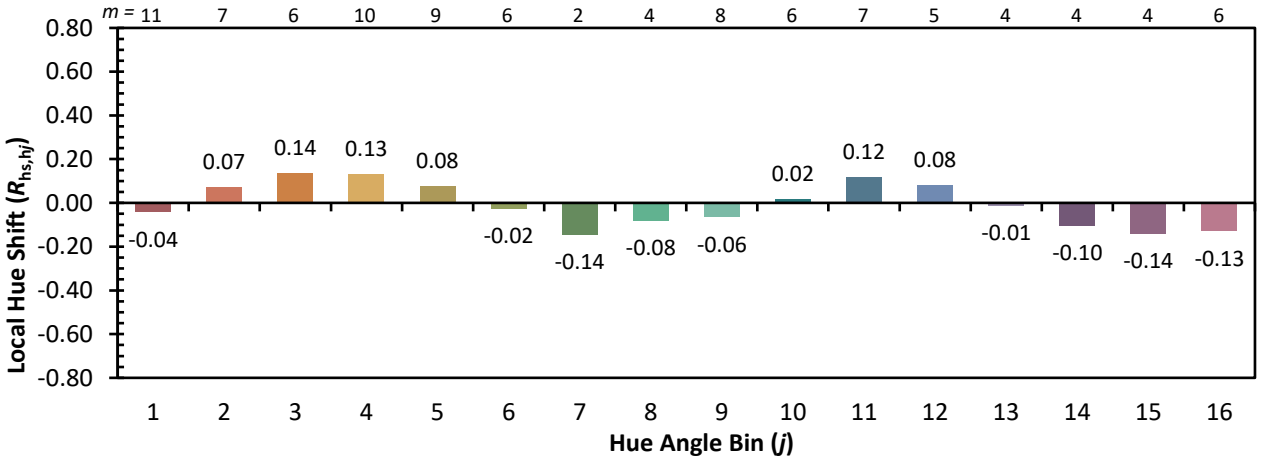


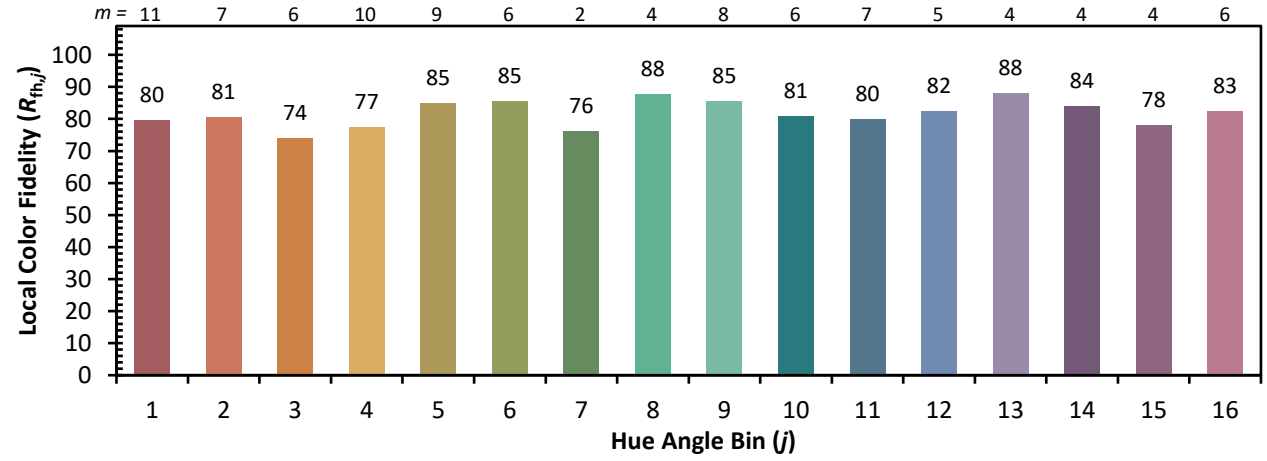
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



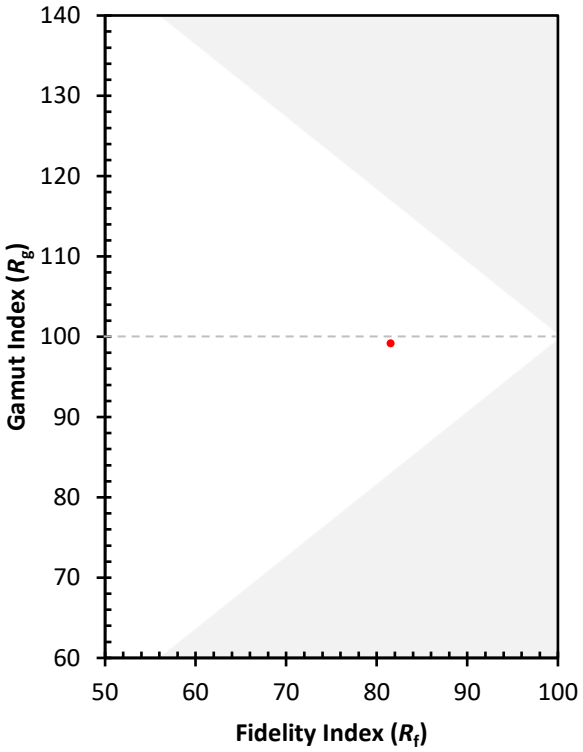


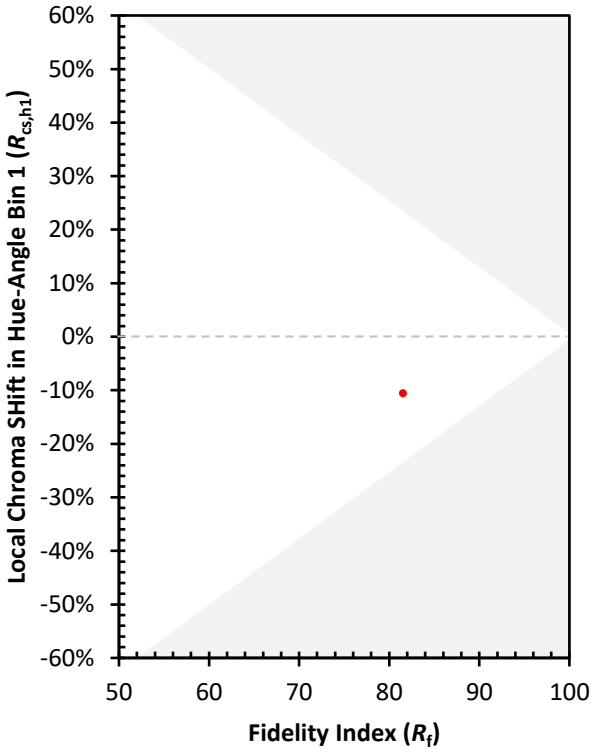


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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