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: P643915

Luminaire Tested: GWS-SA6F-830-U-SL2-W-GRSWH

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:	P643915
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6F-830-U-SL2-W-GRSWH
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	33674 lumens
Efficiency:	N/A
Efficacy:	90.4 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G3

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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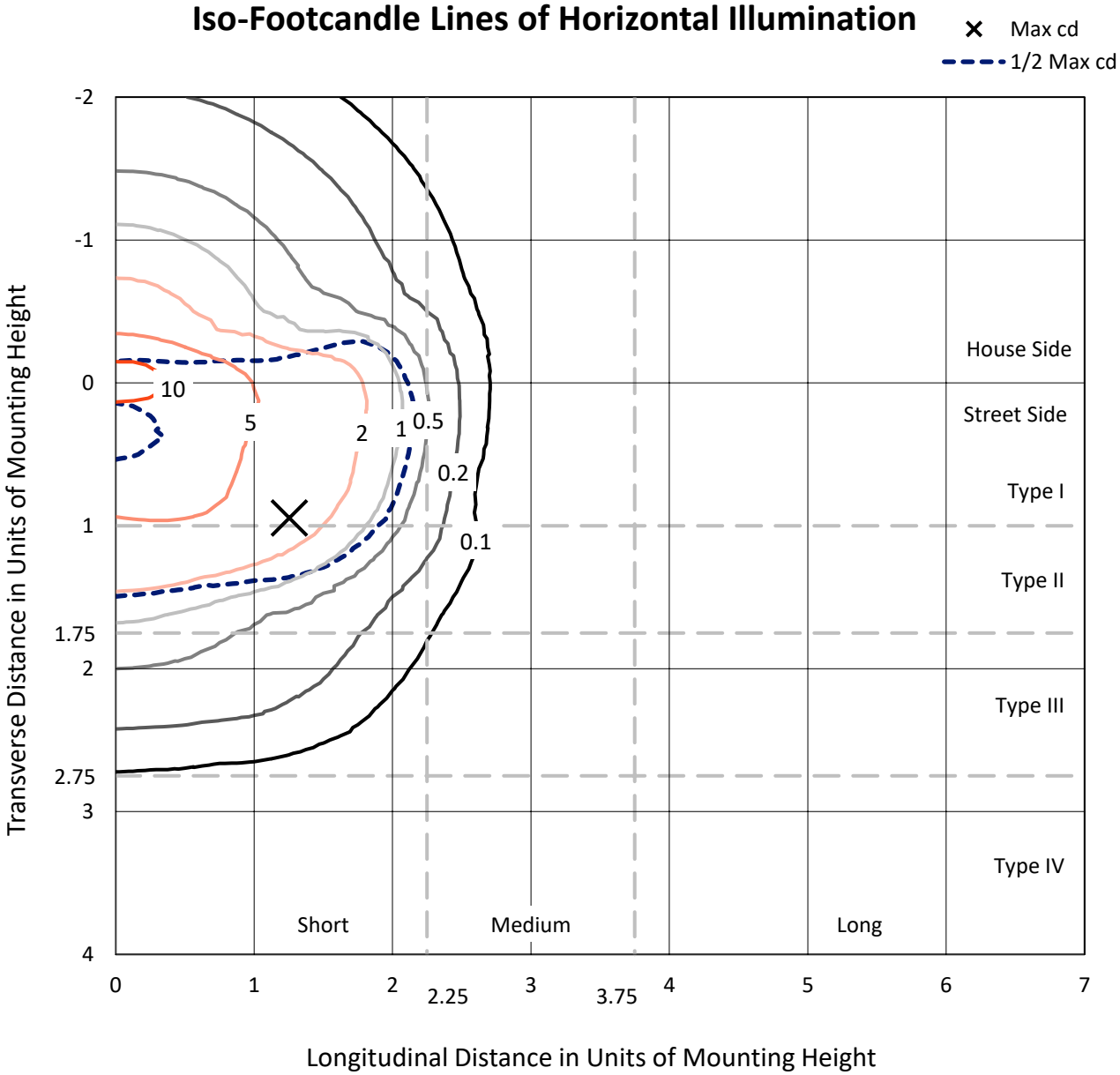
Scaled Data Report

REPORT NUMBER: P643915
CATALOG NUMBER: GWS-SA6F-830-U-SL2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination



Based on 30 foot mounting height. Maximum calculated value = 11.9 fc
Type II - Short - N/A

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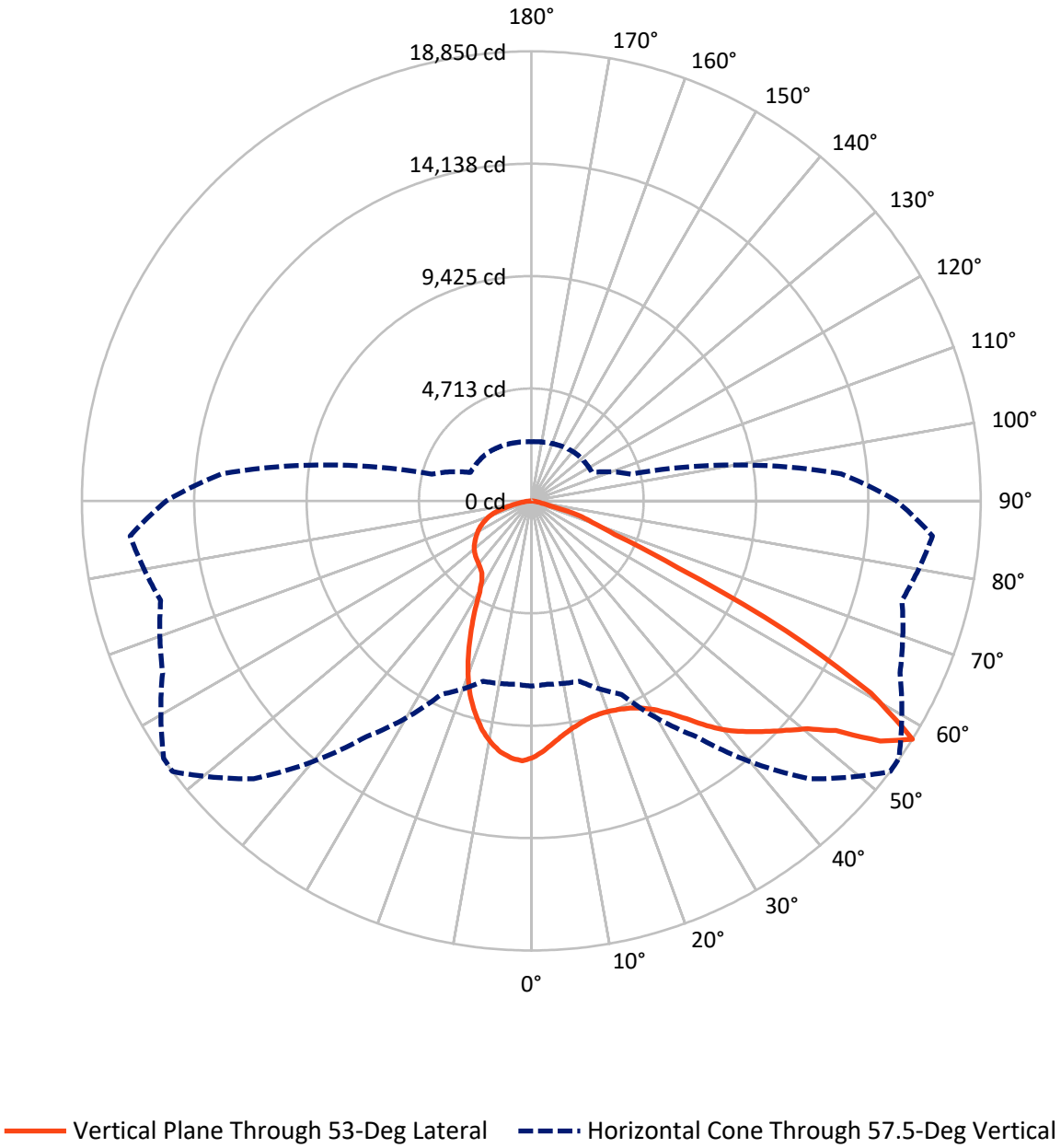
Luminous Intensity Polar Plot



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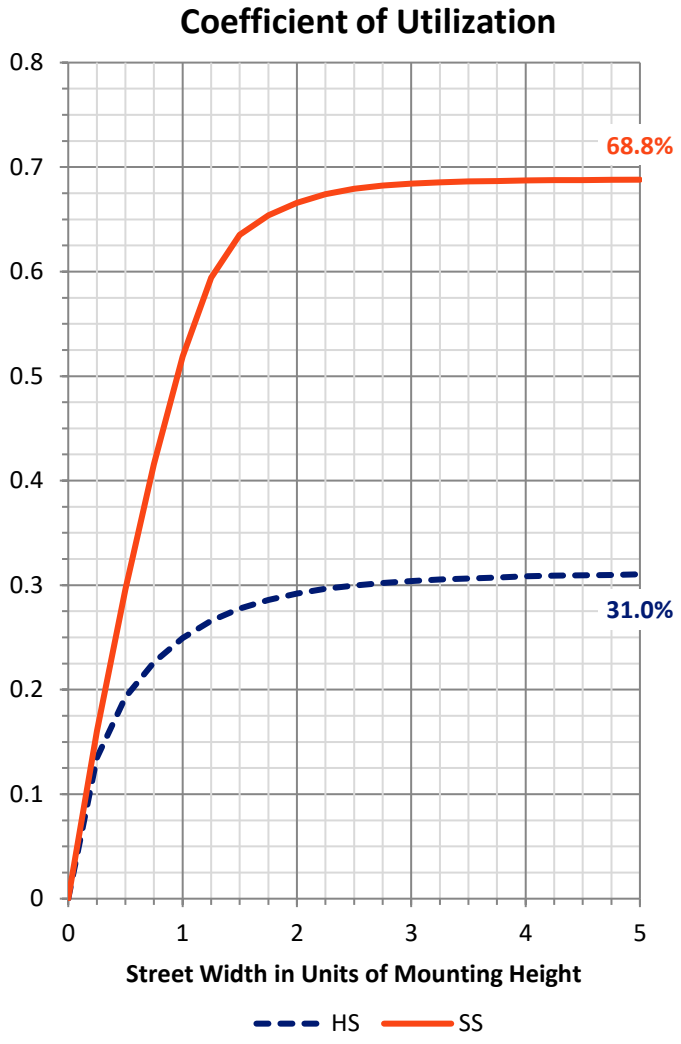
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10528.6	0.0	10528.6
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	23145.4	0.0	23145.4
	% Fixture	68.7	0.0	68.7
Total	Lumens	33674.0	0.0	33674.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	972.4	2.9
10°-20°	2551.1	7.6
20°-30°	3758.7	11.2
30°-40°	5261.2	15.6
40°-50°	6916.2	20.5
50°-60°	8109.3	24.1
60°-70°	4777.3	14.2
70°-80°	1188.4	3.5
80°-90°	139.4	0.4
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°	33674.0	100.0
0°-180°	33674.0	100.0



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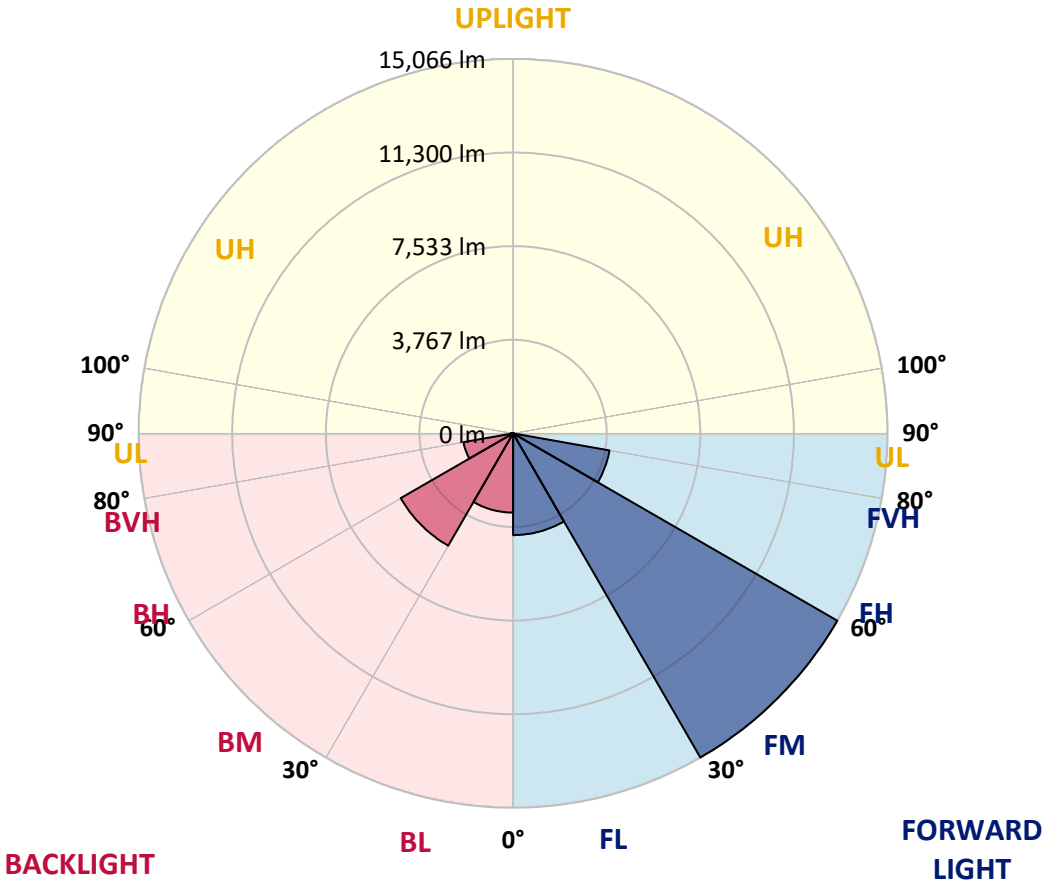
REPORT NUMBER: P643915
CATALOG NUMBER: GWS-SA6F-830-U-SL2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	4094.1	12.2			
FM	(30°-60°)	15066.0	44.7			
FH	(60°-80°)	3938.6	11.7			G2/5000
FVH	(80°-90°)	46.7	0.1			G1/100
BL	(0°-30°)	3188.1	9.5	B4/5000		
BM	(30°-60°)	5220.6	15.5	B4/8500		
BH	(60°-80°)	2027.1	6.0	B3/2500		G3/2500
BVH	(80°-90°)	92.8	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3
Type II Short



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REPORT NUMBER: P643915
CATALOG NUMBER: GWS-SA6F-830-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	10753.0	10753.0	10753.0	10753.0	10753.0	10753.0	10753.0	10753.0	10753.0	10753.0	10753.0
2.5°	10135.2	10163.5	10169.2	10257.0	10262.7	10390.2	10475.3	10458.3	10546.1	10653.8	10738.8
5°	9650.5	9653.3	9681.7	9786.6	9843.2	10010.5	10152.2	10152.2	10322.2	10543.3	10733.2
7.5°	9250.9	9248.0	9273.6	9389.8	9483.3	9684.5	9877.2	9899.9	10138.0	10461.1	10770.0
10°	8879.6	8899.4	8927.8	9069.5	9188.5	9437.9	9667.5	9704.4	10004.8	10404.4	10821.0
12.5°	8641.5	8644.4	8686.9	8845.6	8998.6	9265.1	9506.0	9551.3	9897.1	10350.6	10857.9
15°	8488.5	8491.3	8536.7	8712.4	8890.9	9160.2	9406.8	9457.8	9834.7	10342.1	10928.7
17.5°	8420.5	8417.6	8460.1	8635.9	8831.4	9112.0	9375.6	9437.9	9863.1	10407.2	11053.4
20°	8420.5	8423.3	8446.0	8604.7	8803.1	9100.7	9406.8	9483.3	9973.6	10554.6	11246.2
22.5°	8539.5	8550.8	8562.2	8669.9	8825.8	9117.7	9489.0	9591.0	10211.7	10801.2	11498.4
25°	8771.9	8774.7	8786.1	8873.9	8944.8	9165.9	9625.0	9778.0	10583.0	11161.1	11815.8
27.5°	9083.7	9123.3	9134.7	9191.4	9191.4	9284.9	9837.6	10058.6	11084.6	11679.8	12221.1
30°	9520.1	9534.3	9554.1	9616.5	9548.5	9508.8	10149.3	10432.8	11665.6	12306.2	12708.6
32.5°	9902.8	9933.9	10041.6	10143.7	10021.8	9897.1	10608.5	10942.9	12224.0	12958.0	13227.3
35°	10228.7	10305.2	10512.1	10738.8	10653.8	10529.1	11217.8	11566.4	12683.1	13425.7	13686.4
37.5°	10622.6	10682.2	10965.6	11334.0	11410.6	11351.0	11960.4	12209.8	12989.2	13544.7	13935.8
40°	11022.3	11113.0	11478.6	11988.7	12280.7	12323.2	12646.3	12813.5	13094.1	13312.3	13887.7
42.5°	11430.4	11586.3	12087.9	12683.1	13201.8	13298.1	13224.5	13295.3	13060.1	12992.0	13663.8
45°	11929.2	12113.4	12680.3	13439.9	14122.9	14273.1	13791.3	13726.1	13054.4	12870.2	13524.9
47.5°	12518.7	12703.0	13244.3	14128.6	15001.5	15112.0	14372.3	14253.3	13252.8	13057.2	13711.9
50°	13040.2	13167.8	13652.4	14641.6	15820.6	15885.8	15012.8	14868.3	13746.0	13575.9	14295.8
52.5°	12510.2	12496.1	13006.2	14224.9	16245.7	17030.8	15999.2	15860.3	14698.2	14437.5	15199.9
55°	10614.1	10452.6	10908.9	12107.8	15058.2	18048.3	17767.7	17490.0	15968.0	15304.8	16047.3
57.5°	7760.1	7714.7	7825.3	8950.5	12062.4	16472.5	18850.4	18824.9	17064.8	16098.4	16891.9
60°	6068.1	6000.0	5705.3	5736.5	8222.1	12867.3	16359.1	17110.2	17745.0	16574.5	17481.4
62.5°	5387.8	5336.8	5183.8	4761.5	4897.5	8627.4	11991.6	12680.3	15506.0	14638.7	15015.7
65°	4461.1	4446.9	4574.4	4557.4	4103.9	4764.3	6768.1	7462.5	9749.7	9871.6	9749.7
67.5°	3242.3	3216.8	3539.9	4177.6	3950.9	3596.6	3772.3	4013.3	4999.6	4489.4	4041.6
70°	2108.7	2071.8	2258.9	3018.4	3537.1	3134.6	2718.0	2678.3	2749.2	1709.0	1847.9
72.5°	1414.3	1371.8	1368.9	1660.9	2137.0	2111.5	2105.8	2086.0	1862.1	1349.1	1496.5
75°	787.9	753.9	745.4	717.1	765.2	779.4	830.4	858.8	929.6	1023.2	1133.7
77.5°	133.2	130.4	164.4	209.7	289.1	371.3	459.1	484.7	598.0	708.6	779.4
80°	73.7	76.5	99.2	121.9	161.6	221.1	283.4	300.4	368.4	428.0	484.7
82.5°	39.7	39.7	51.0	65.2	87.9	116.2	153.0	167.2	212.6	249.4	289.1
85°	14.2	14.2	19.8	25.5	36.8	48.2	59.5	68.0	93.5	127.5	144.5
87.5°	0.0	0.0	0.0	0.0	2.8	5.7	11.3	11.3	14.2	25.5	36.8
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: P643915
CATALOG NUMBER: GWS-SA6F-830-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10753.0	10753.0	10753.0	10753.0	10753.0	10753.0	10753.0	10753.0	10753.0	10753.0	10753.0
2.5°	10809.7	10733.2	10838.0	10886.2	10903.2	10914.6	10840.9	10789.9	10772.9	10719.0	10687.8
5°	10849.4	10798.4	10897.6	10897.6	10826.7	10753.0	10602.8	10497.9	10424.2	10336.4	10322.2
7.5°	10917.4	10880.6	10934.4	10823.9	10645.3	10446.9	10186.2	9982.1	9817.7	9710.0	9712.9
10°	11008.1	10962.8	10920.2	10673.7	10347.7	9982.1	9582.5	9284.9	9012.8	8888.1	8820.1
12.5°	11067.6	11002.4	10823.9	10415.7	9936.8	9446.4	8882.4	8440.3	8046.3	7867.8	7853.6
15°	11141.3	11022.3	10665.2	10081.3	9415.3	8746.4	8020.8	7405.8	6873.0	6595.2	6581.1
17.5°	11237.7	11042.1	10475.3	9698.7	8865.4	7879.1	6966.5	6192.8	5625.9	5410.5	5447.4
20°	11373.7	11064.8	10259.9	9273.6	8182.4	6892.8	5756.3	5044.9	4826.7	4812.5	4784.2
22.5°	11526.8	11079.0	10021.8	8797.4	7354.8	5841.3	4755.8	4452.6	4449.7	4520.6	4537.6
25°	11699.6	11090.3	9752.5	8241.9	6459.2	4792.7	4206.0	4115.3	4186.1	4319.3	4336.4
27.5°	11920.7	11113.0	9426.6	7632.5	5506.9	4140.8	3902.7	3880.0	3965.1	4089.8	4084.1
30°	12246.7	11195.2	9080.8	6932.5	4529.1	3831.9	3718.5	3721.3	3755.3	3814.9	3823.4
32.5°	12578.3	11322.7	8743.6	6144.6	3967.9	3656.1	3605.1	3599.5	3599.5	3625.0	3630.6
35°	12892.9	11467.2	8377.9	5322.7	3695.8	3554.1	3520.1	3503.1	3494.6	3488.9	3480.4
37.5°	13068.6	11538.1	8020.8	4512.1	3551.3	3486.1	3452.1	3429.4	3398.2	3375.6	3369.9
40°	12992.0	11455.9	7607.0	3905.6	3463.4	3420.9	3381.2	3350.0	3307.5	3287.7	3276.4
42.5°	12737.0	11200.8	7156.4	3619.3	3392.6	3350.0	3301.9	3250.8	3222.5	3205.5	3202.7
45°	12467.7	10891.9	6612.2	3452.1	3324.5	3273.5	3216.8	3160.2	3129.0	3120.5	3117.6
47.5°	12459.2	10738.8	6034.0	3318.9	3242.3	3191.3	3120.5	3063.8	3029.8	3018.4	3007.1
50°	12833.3	10894.7	5382.2	3202.7	3157.3	3103.5	3024.1	2961.8	2919.2	2905.1	2902.2
52.5°	13609.9	11481.4	4798.3	3086.5	3043.9	2981.6	2916.4	2854.1	2803.0	2777.5	2774.7
55°	14448.8	12226.8	4435.5	2967.4	2910.7	2856.9	2797.4	2729.4	2672.7	2633.0	2627.3
57.5°	*15316.1*	*13040.2*	*4325.0*	*2817.2*	*2774.7*	*2737.9*	*2667.0*	*2593.3*	*2528.1*	*2491.3*	*2482.8*
60°	16030.3	13740.3	4531.9	2658.5	2635.8	2587.6	2522.5	2451.6	2406.2	2377.9	2372.2
62.5°	13420.0	11186.7	3659.0	2485.6	2485.6	2434.6	2360.9	2309.9	2278.7	2258.9	2253.2
65°	8516.8	6926.8	2496.9	2312.7	2309.9	2241.9	2179.5	2145.5	2131.3	2100.2	2094.5
67.5°	3710.0	3165.8	2134.2	2137.0	2125.7	2052.0	1989.6	1964.1	1935.8	1901.8	1898.9
70°	1924.4	1961.3	1910.3	1941.4	1921.6	1833.7	1774.2	1734.5	1675.0	1641.0	1643.8
72.5°	1553.2	1592.8	1649.5	1697.7	1655.2	1584.3	1490.8	1442.6	1366.1	1329.2	1332.1
75°	1184.7	1227.2	1281.1	1332.1	1298.1	1210.2	1150.7	1102.5	1014.6	972.1	980.6
77.5°	816.3	838.9	904.1	901.3	889.9	864.4	776.6	719.9	629.2	578.2	583.8
80°	507.3	521.5	552.7	566.8	561.2	527.2	456.3	413.8	359.9	328.8	331.6
82.5°	306.1	314.6	342.9	345.8	342.9	317.4	263.6	232.4	198.4	181.4	181.4
85°	155.9	161.6	178.6	178.6	161.6	136.0	121.9	107.7	87.9	79.4	79.4
87.5°	42.5	42.5	53.9	45.3	36.8	34.0	17.0	14.2	5.7	2.8	2.8
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

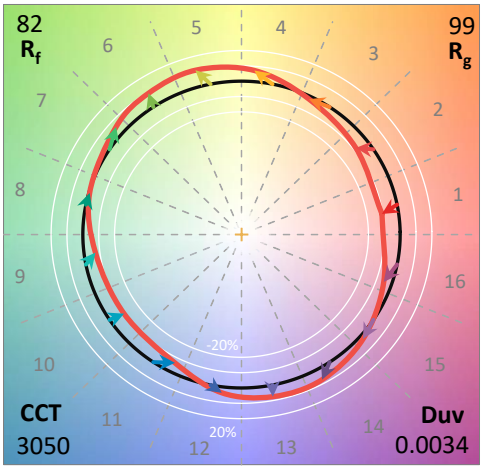
Test Information

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

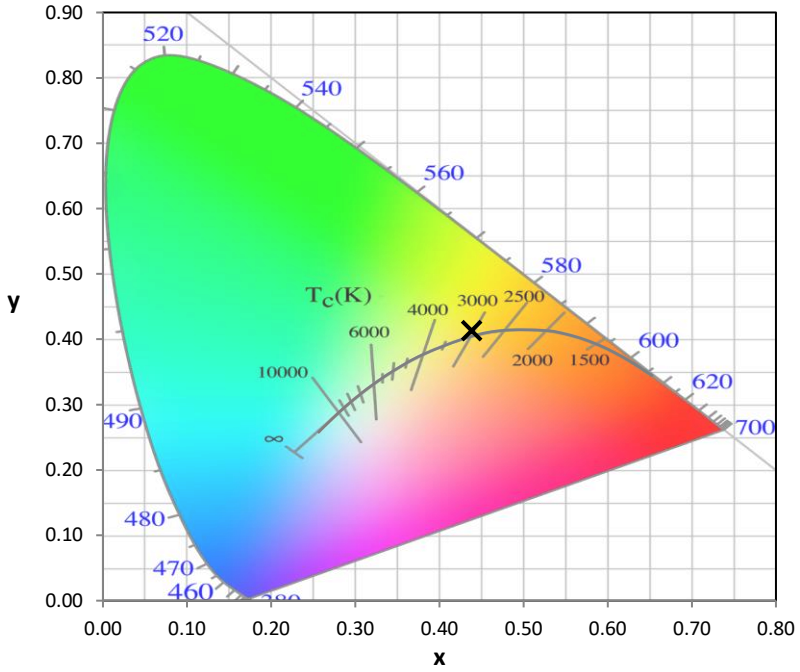
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

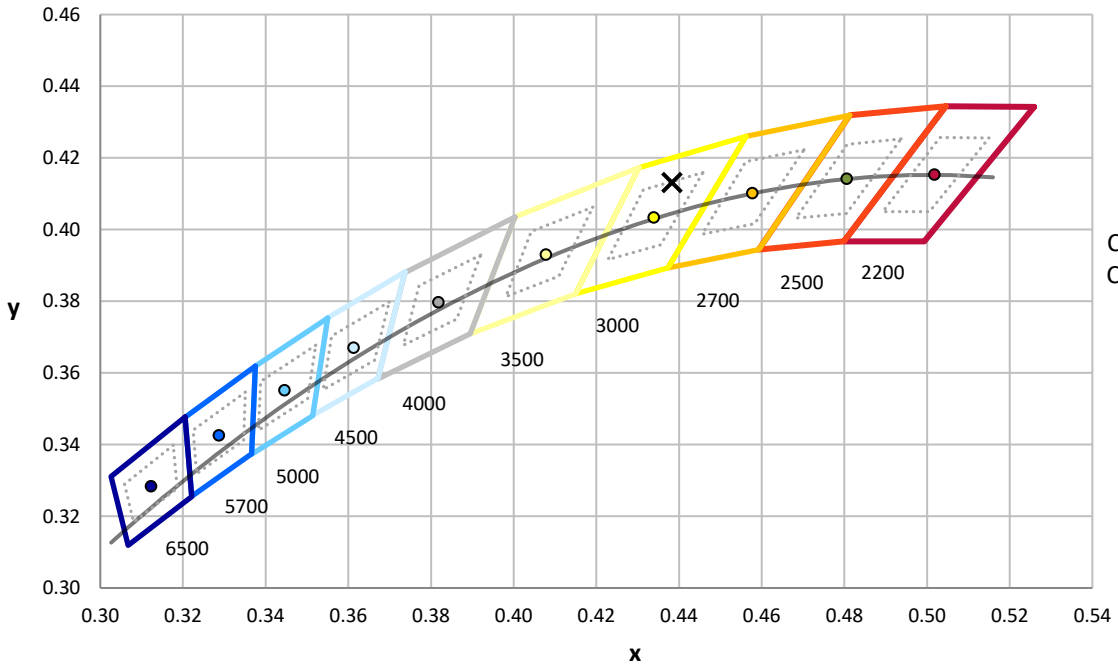
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

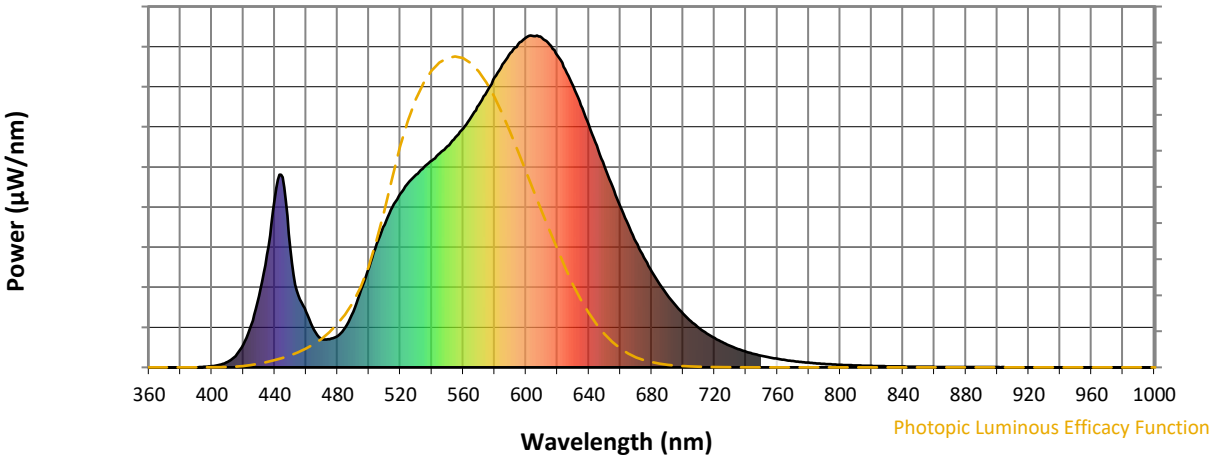


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

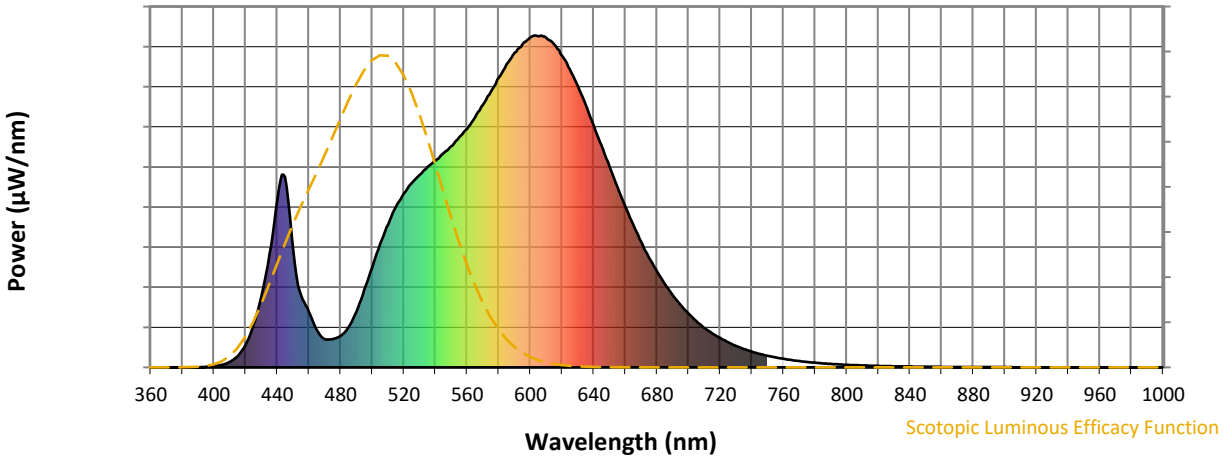


Photopic Lumens: NR

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

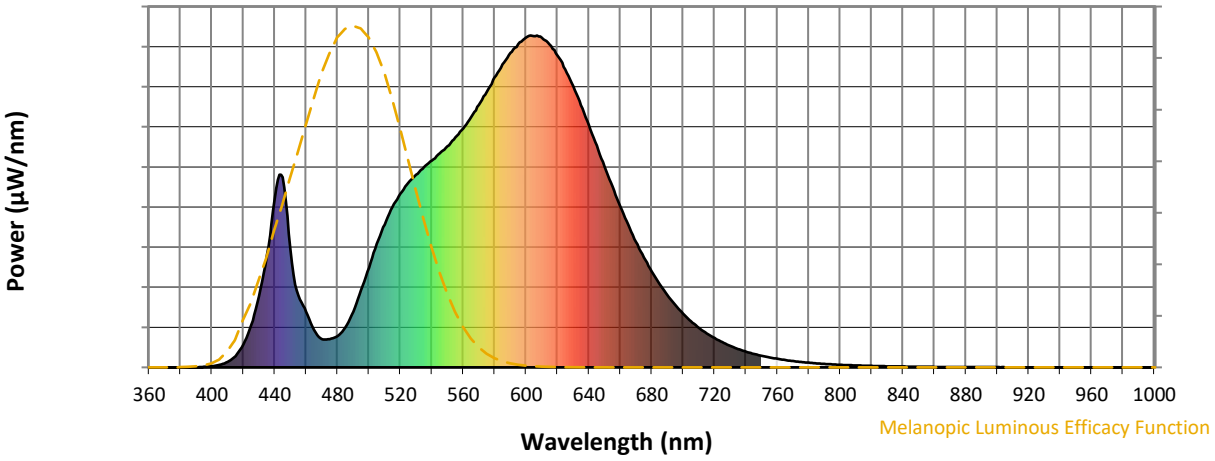


Scotopic Lumens: NR **S/P: 1.27**

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			

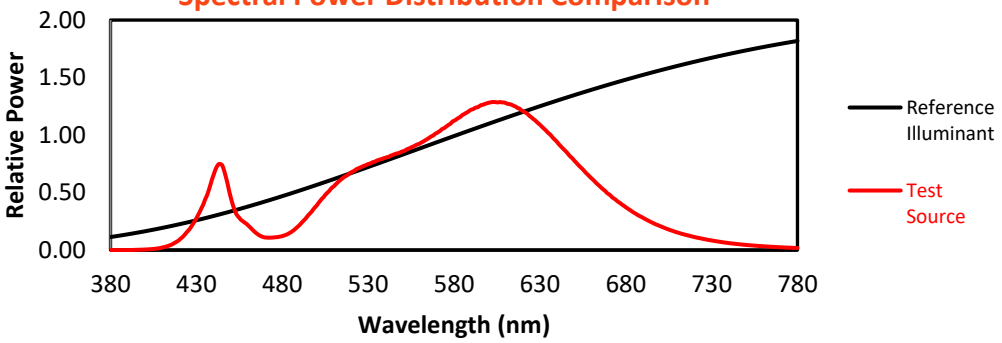
REPORT NUMBER: SP1-2408-195-9

TM-30-18

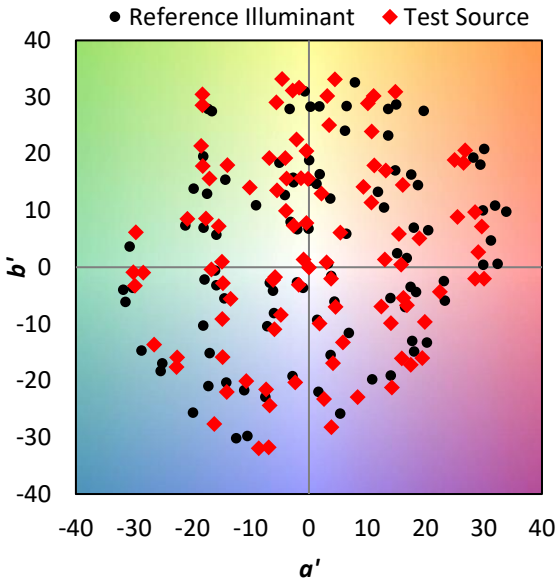
Summary

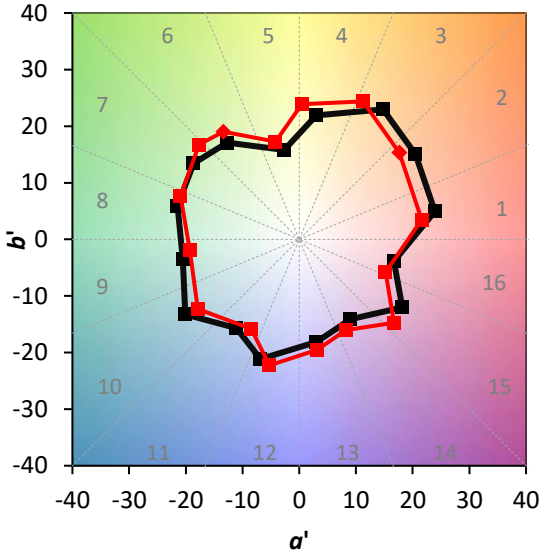
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

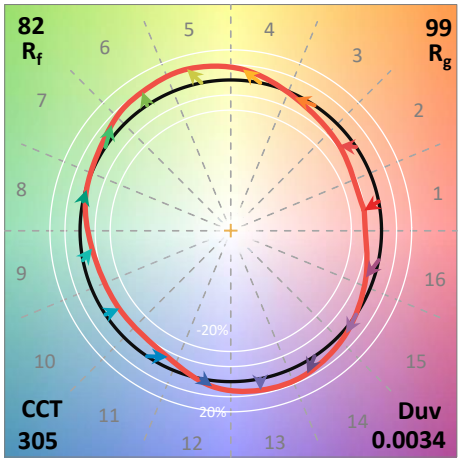
Spectral Power Distribution Comparison

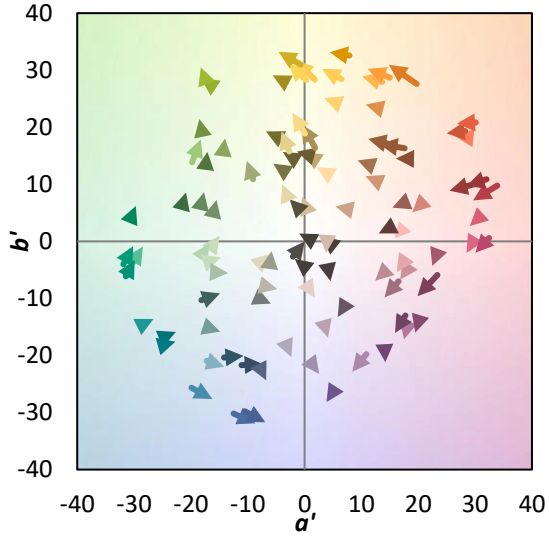


Color Vector Graphics







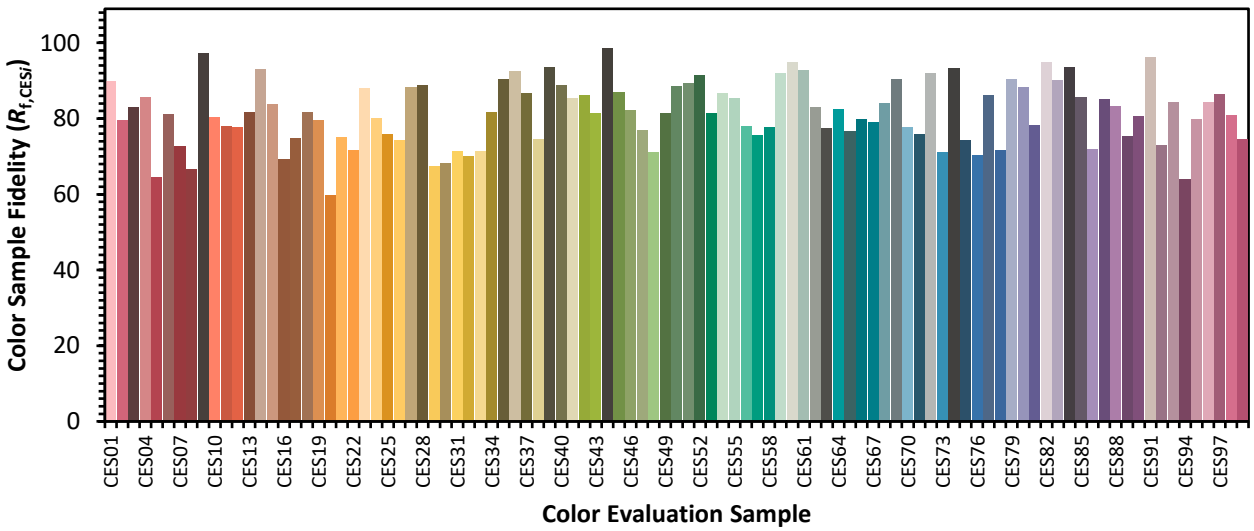


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

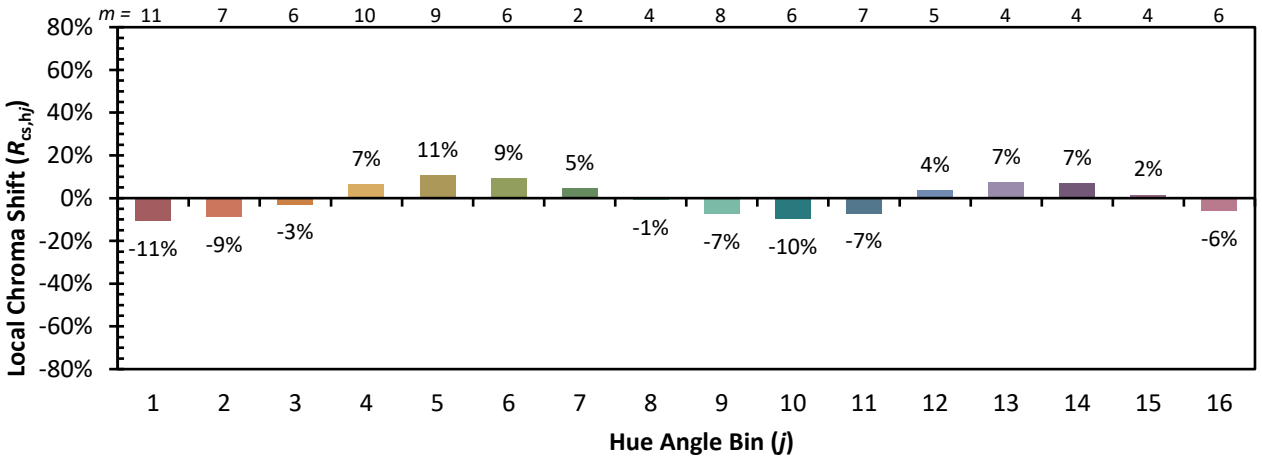
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

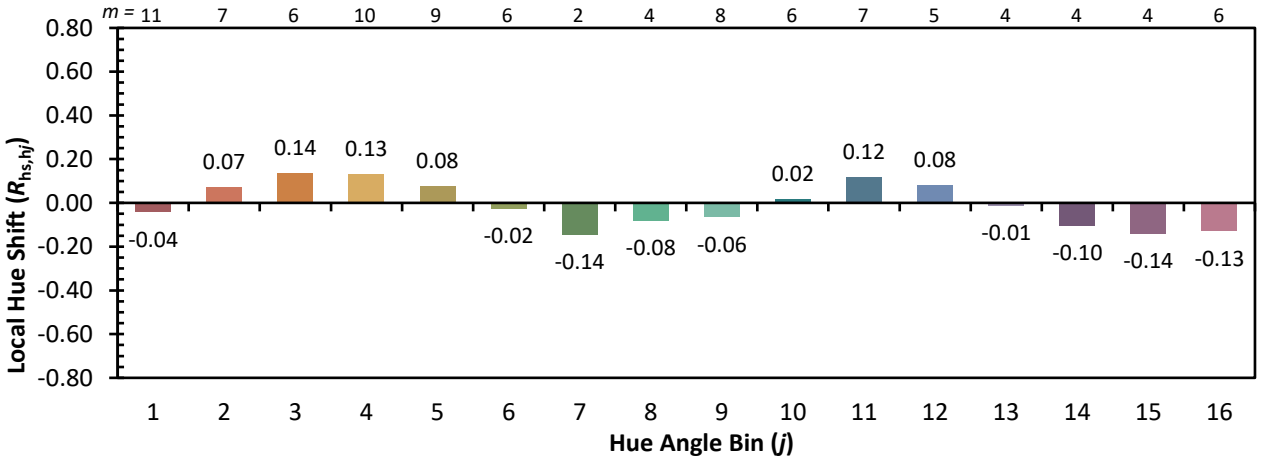


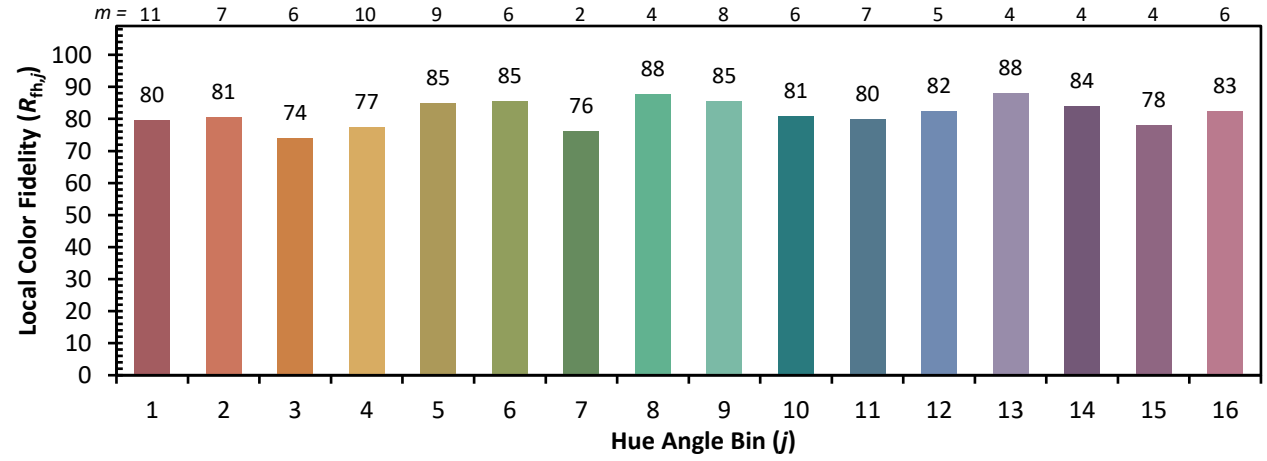
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



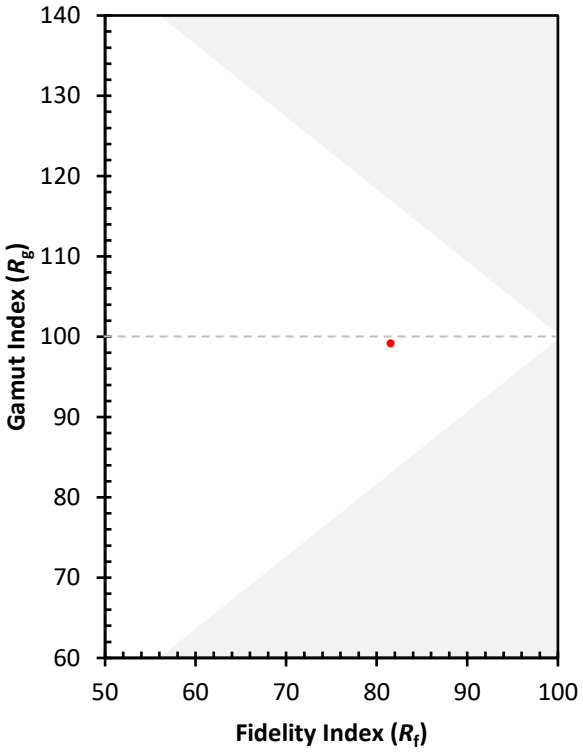


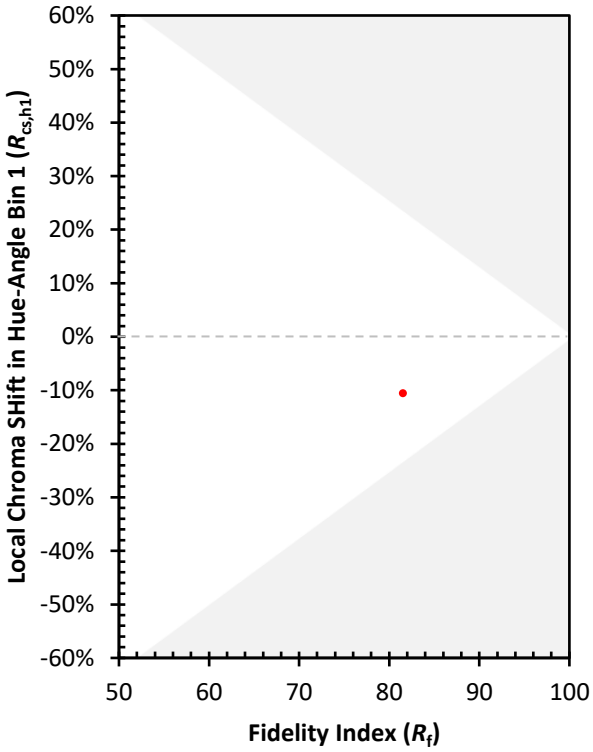


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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