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: P643936

Luminaire Tested: GWS-SA6F-830-U-T2-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:	P643936
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6F-830-U-T2-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	39226.4 lumens
Efficiency:	N/A
Efficacy:	105.3 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B3 - U0 - G5

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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REPORT NUMBER: P643936
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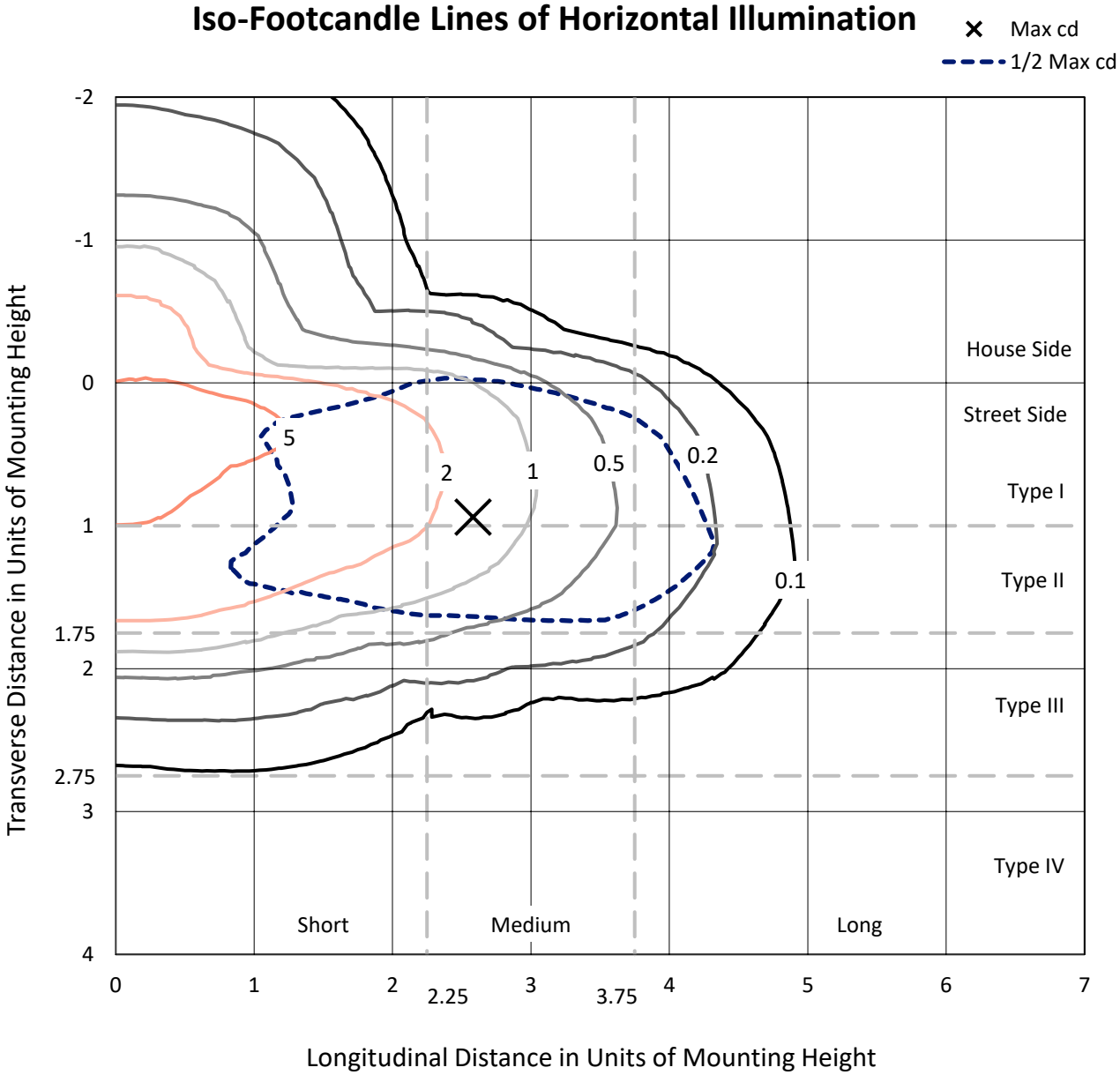
Iso-Footcandle Lines of Horizontal Illumination



Based on 30 foot mounting height. Maximum calculated value = 7.3 fc
Type II - Medium - N/A

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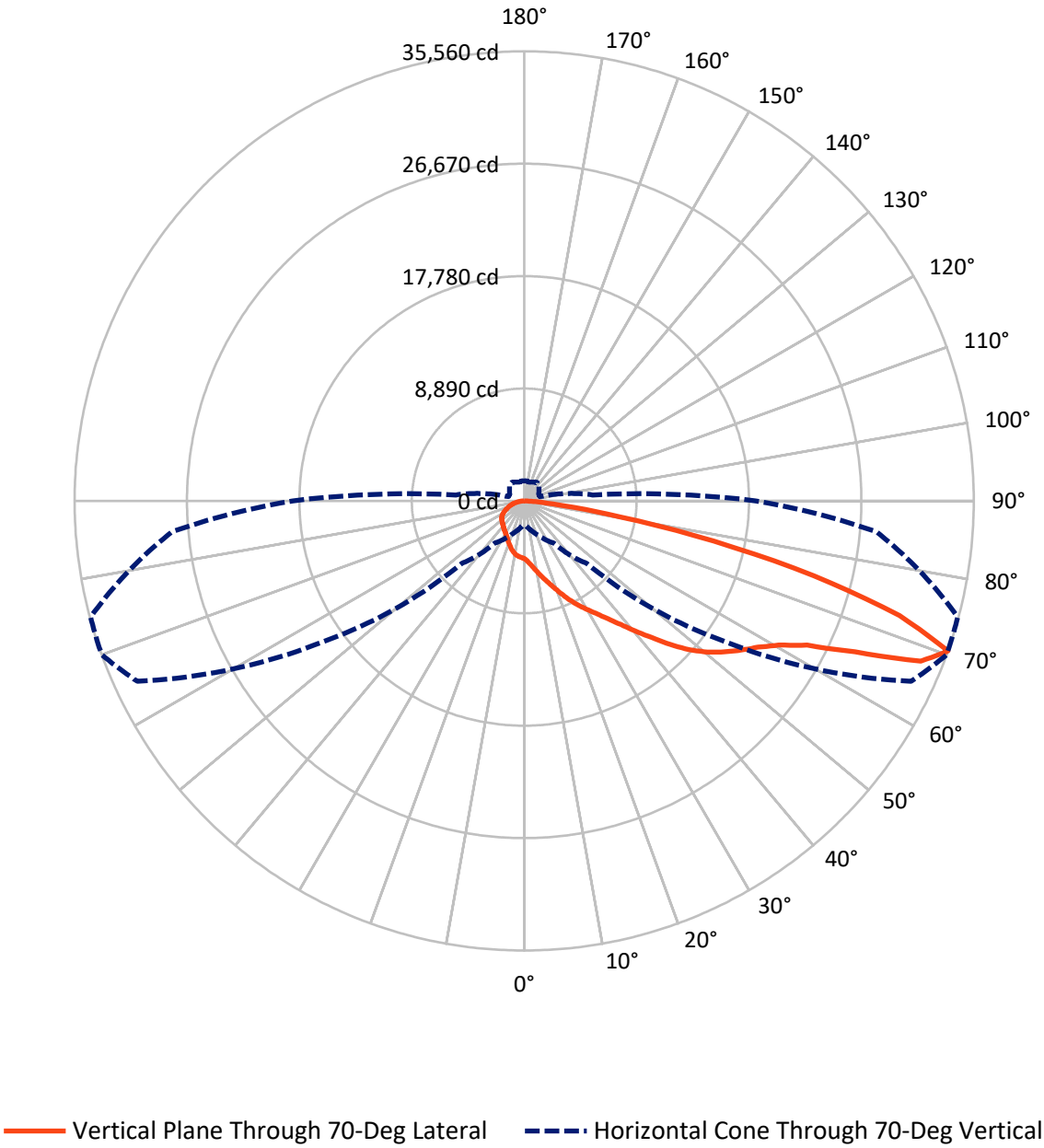
Luminous Intensity Polar Plot



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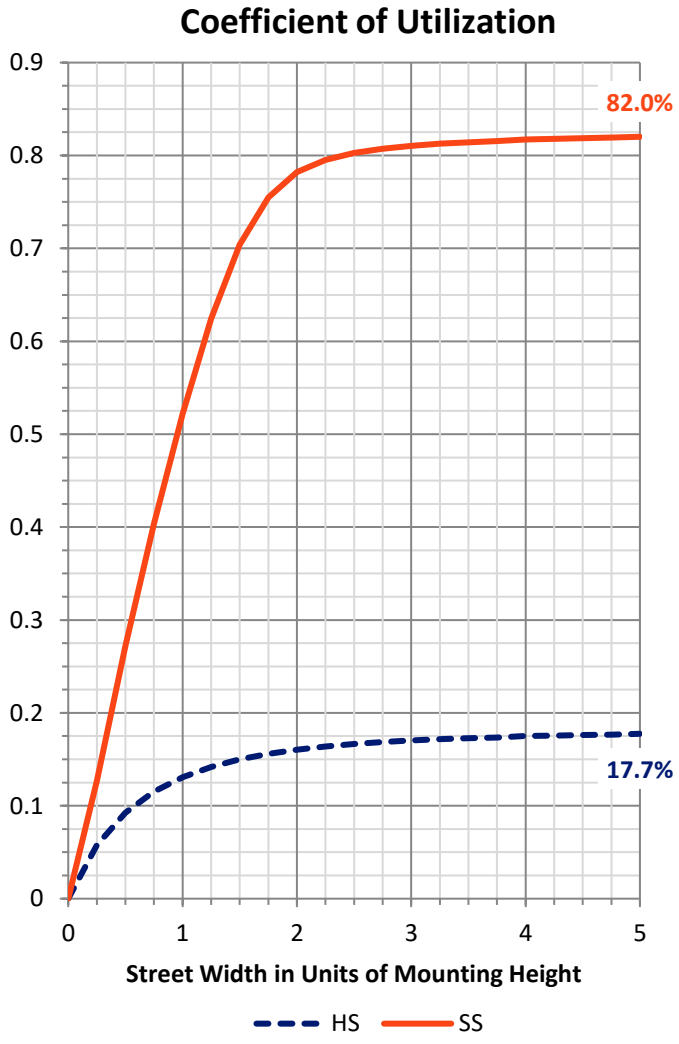
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7029.5	0.0	7029.5
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	32196.9	0.0	32196.9
	% Fixture	82.1	0.0	82.1
Total	Lumens	39226.4	0.0	39226.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	465.0	1.2
10°-20°	1512.5	3.9
20°-30°	2679.5	6.8
30°-40°	4032.7	10.3
40°-50°	6100.9	15.6
50°-60°	8739.9	22.3
60°-70°	9661.0	24.6
70°-80°	5451.9	13.9
80°-90°	583.2	1.5
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°	39226.4	100.0
0°-180°	39226.4	100.0



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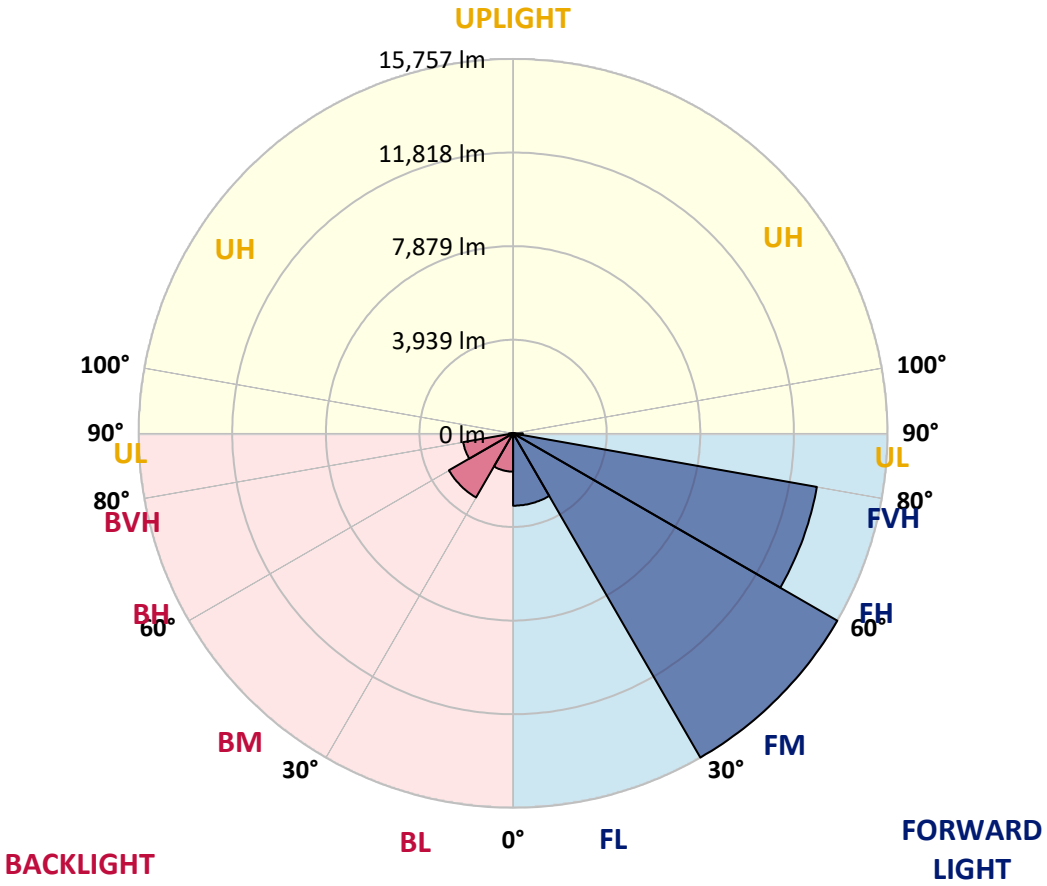
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3045.2	7.8			
FM	(30°-60°)	15757.2	40.2			
FH	(60°-80°)	12982.3	33.1			G5
FVH	(80°-90°)	412.2	1.1			G3/500
BL	(0°-30°)	1611.8	4.1	B3/2500		
BM	(30°-60°)	3116.2	7.9	B3/5000		
BH	(60°-80°)	2130.6	5.4	B3/2500		G3/2500
BVH	(80°-90°)	170.9	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
Type II Medium



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REPORT NUMBER: P643936
CATALOG NUMBER: GWS-SA6F-830-U-T2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	4574.6	4574.6	4574.6	4574.6	4574.6	4574.6	4574.6	4574.6	*4574.6*	4574.6	4574.6
2.5°	5067.8	5059.3	5064.9	5059.3	5028.1	4951.6	4889.2	4809.9	*4756.0*	4724.8	4651.1
5°	5663.0	5654.5	5634.7	5606.3	5549.6	5444.8	5288.9	5116.0	*5011.1*	4931.7	4775.8
7.5°	6091.0	6091.0	6088.1	6054.1	6014.5	5903.9	5719.7	5492.9	*5339.9*	5203.8	4948.7
10°	6309.2	6323.4	6343.2	6391.4	6382.9	6323.4	6150.5	5906.7	*5714.0*	5555.3	5175.5
12.5°	6428.3	6436.8	6470.8	6570.0	6672.0	6686.2	6584.2	6329.1	*6119.3*	5906.7	5427.7
15°	6581.3	6584.2	6629.5	6748.5	6898.8	7049.0	7023.5	6768.4	*6553.0*	6317.7	5708.3
17.5°	6700.4	6720.2	6802.4	6941.3	7128.3	7335.2	7460.0	7301.2	*7034.8*	6765.5	6014.5
20°	6742.9	6757.0	6864.8	7077.3	7332.4	7624.4	7902.1	7859.6	*7590.3*	7272.9	6360.2
22.5°	6895.9	6895.9	6975.3	7153.9	7454.3	7879.4	8330.1	8440.6	*8202.6*	7831.3	6731.5
25°	7233.2	7221.9	7258.7	7332.4	7559.2	8083.5	8752.4	9084.0	*8817.6*	8401.0	7102.8
27.5°	7695.2	7689.5	7686.7	7698.0	7774.6	8262.1	9109.5	9684.9	*9418.5*	8948.0	7434.5
30°	8196.9	8179.9	8216.7	8182.7	8165.7	8474.7	9412.8	10223.4	*10016.5*	9489.3	7709.4
32.5°	8880.0	8848.8	8840.3	8729.7	8661.7	8806.3	9656.6	10835.6	*10671.3*	10073.2	8018.3
35°	9781.3	9752.9	9608.4	9432.7	9231.4	9299.4	9959.8	11433.7	*11445.0*	10804.5	8423.6
37.5°	10691.1	10696.8	10583.4	10169.6	9962.7	9923.0	10421.8	12162.1	*12405.9*	11677.4	8948.0
40°	11447.9	11481.9	11481.9	11045.4	10736.4	10699.6	11070.9	13026.6	*13511.3*	12748.8	9611.2
42.5°	12023.2	12054.4	12153.6	11839.0	11513.1	11640.6	11858.8	13893.9	*14764.0*	14072.5	10450.2
45°	12655.3	12680.8	12734.7	12553.3	12363.4	12703.5	12751.7	14931.3	*16198.2*	15557.6	11425.2
47.5°	13494.3	13471.6	13477.2	13344.0	13196.6	13746.5	13735.2	15804.2	*17584.2*	17184.6	12482.4
50°	14537.3	14579.8	14540.1	14276.5	14103.6	14605.3	14670.5	16770.7	*18803.0*	18794.5	13548.1
52.5°	15540.6	15557.6	15767.4	15778.7	15424.4	15319.6	15489.6	17745.7	*19831.8*	20268.3	14571.3
55°	15591.7	15656.8	16286.1	16739.6	17312.1	16470.3	16317.2	18675.4	*20826.7*	21711.0	15634.2
57.5°	14506.1	14611.0	15679.5	16657.4	18250.3	18445.8	17734.4	19877.2	*21821.5*	23131.0	16864.3
60°	12187.6	12405.9	13857.0	15353.6	17827.9	19865.8	20633.9	21509.7	*23128.1*	24582.2	18358.0
62.5°	7783.1	7868.1	9903.2	12408.7	15926.1	19726.9	23791.4	24386.6	*25117.8*	26472.7	20659.4
65°	3897.2	4169.3	5362.6	7406.1	11484.7	17383.0	25387.1	29655.6	*28760.0*	29709.5	24389.4
67.5°	2644.4	2732.3	3336.0	4449.9	6734.4	12315.2	24397.9	34094.2	*33830.6*	33986.5	28366.0
70°	*1950.0*	*2006.7*	*2482.9*	*3151.8*	*4072.9*	*6992.3*	*19423.7*	*33759.7*	*35559.5*	*35502.8*	*27949.3*
72.5°	1422.8	1451.2	1811.1	2406.3	3018.6	3616.6	11861.7	27271.9	*31041.6*	32677.0	24443.3
75°	1034.5	1068.5	1258.4	1799.8	2346.8	2256.1	5855.7	19698.6	*23672.3*	26818.4	19914.0
77.5°	770.9	813.5	901.3	1128.1	1643.9	1615.6	2531.1	12791.3	*15311.1*	17516.2	12096.9
80°	555.5	564.0	615.0	722.8	1043.0	946.7	1204.6	6669.2	*7647.0*	8378.3	4741.8
82.5°	337.3	345.8	411.0	445.0	646.2	595.2	626.4	2159.8	*3095.1*	3285.0	1771.5
85°	99.2	104.9	187.1	204.1	269.3	255.1	252.3	878.6	*1048.7*	1340.6	697.2
87.5°	0.0	0.0	0.0	0.0	2.8	17.0	31.2	155.9	*235.2*	325.9	170.1
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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CATALOG NUMBER: GWS-SA6F-830-U-T2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4574.6	4574.6	4574.6	4574.6	4574.6	4574.6	4574.6	4574.6	4574.6	4574.6	4574.6
2.5°	4622.8	4557.6	4523.6	4464.1	4421.6	4379.0	4336.5	4296.8	4279.8	4254.3	4260.0
5°	4705.0	4603.0	4500.9	4384.7	4285.5	4203.3	4129.6	4064.4	4036.1	4010.6	4021.9
7.5°	4829.7	4676.6	4481.1	4268.5	4112.6	3999.2	3922.7	3877.4	3863.2	3843.4	3843.4
10°	4988.4	4758.8	4415.9	4112.6	3925.5	3834.9	3800.8	3798.0	3812.2	3815.0	3809.3
12.5°	5164.2	4838.2	4319.5	3928.4	3769.7	3741.3	3766.8	3815.0	3863.2	3888.7	3883.0
15°	5345.5	4889.2	4155.1	3752.7	3656.3	3693.1	3775.3	3871.7	3965.2	4013.4	4010.6
17.5°	5515.6	4900.6	3942.6	3582.6	3557.1	3650.6	3792.3	3942.6	4070.1	4138.1	4141.0
20°	5705.5	4880.7	3724.3	3429.5	3457.9	3610.9	3798.0	3979.4	4129.6	4197.6	4214.7
22.5°	5878.4	4812.7	3511.7	3285.0	3372.9	3562.8	3752.7	3922.7	4055.9	4121.1	4143.8
25°	6034.3	4682.3	3279.3	3163.1	3307.7	3494.7	3639.3	3758.3	3851.9	3891.5	3922.7
27.5°	6119.3	4486.7	3103.6	3066.7	3245.3	3398.4	3477.7	3514.6	3545.7	3534.4	3557.1
30°	6136.3	4243.0	2950.5	2990.2	3151.8	3265.1	3282.2	3245.3	3191.5	3103.6	3123.4
32.5°	6119.3	3962.4	2823.0	2908.0	3046.9	3114.9	3092.3	2995.9	2865.5	2729.5	2738.0
35°	6125.0	3679.0	2718.1	2817.3	2925.0	2961.9	2905.2	2772.0	2633.1	2508.4	2502.7
37.5°	6187.3	3440.9	2630.3	2729.5	2806.0	2811.7	2749.3	2610.4	2539.6	2446.0	2434.7
40°	6360.2	3265.1	2550.9	2641.6	2689.8	2686.9	2616.1	2516.9	2565.1	2533.9	2525.4
42.5°	6643.7	3157.4	2485.7	2548.1	2582.1	2587.7	2531.1	2468.7	2573.6	2533.9	2519.7
45°	7100.0	3151.8	2440.4	2454.5	2508.4	2548.1	2508.4	2437.5	2477.2	2284.5	2247.6
47.5°	7641.4	3248.1	2406.3	2372.3	2465.9	2536.7	2474.4	2361.0	2278.8	2103.1	2077.6
50°	8293.3	3443.7	2375.2	2284.5	2403.5	2494.2	2431.9	2276.0	2151.3	2057.7	2043.6
52.5°	9067.0	3701.6	2335.5	2185.3	2310.0	2471.5	2431.9	2267.5	2103.1	2018.0	2003.9
55°	9877.6	3999.2	2290.1	2066.2	2205.1	2477.2	2451.7	2207.9	2066.2	2020.9	2009.5
57.5°	10883.8	4356.4	2207.9	1927.3	2111.6	2426.2	2372.3	2173.9	2040.7	2003.9	1992.5
60°	12190.5	4886.4	2052.1	1785.6	2003.9	2335.5	2301.5	2117.2	1972.7	1941.5	1933.0
62.5°	14259.5	5784.9	1862.2	1649.6	1876.3	2145.6	2196.6	2009.5	1887.7	1884.8	1882.0
65°	17632.4	6864.8	1638.2	1527.7	1743.1	1989.7	2057.7	1899.0	1799.8	1831.0	1828.1
67.5°	19996.2	6958.3	1454.0	1400.2	1587.2	1819.6	1918.8	1785.6	1677.9	1737.4	1734.6
70°	*18315.4*	*5427.7*	*1295.3*	*1266.9*	*1420.0*	*1635.4*	*1768.6*	*1643.9*	*1536.2*	*1592.9*	*1581.6*
72.5°	15447.1	4160.8	1145.1	1128.1	1249.9	1442.7	1575.9	1502.2	1388.8	1388.8	1363.3
75°	12414.4	3432.4	986.3	977.8	1060.0	1247.1	1397.3	1272.6	1167.7	1162.1	1145.1
77.5°	7119.8	2250.5	827.6	822.0	847.5	1043.0	1085.5	1060.0	980.7	943.8	932.5
80°	2837.2	1170.6	651.9	615.0	640.6	765.3	856.0	813.5	745.4	700.1	674.6
82.5°	1099.7	586.7	459.2	402.5	439.3	552.7	620.7	606.5	561.2	459.2	430.8
85°	447.8	286.3	274.9	232.4	255.1	297.6	357.1	308.9	255.1	181.4	172.9
87.5°	119.0	104.9	102.0	62.4	48.2	14.2	2.8	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

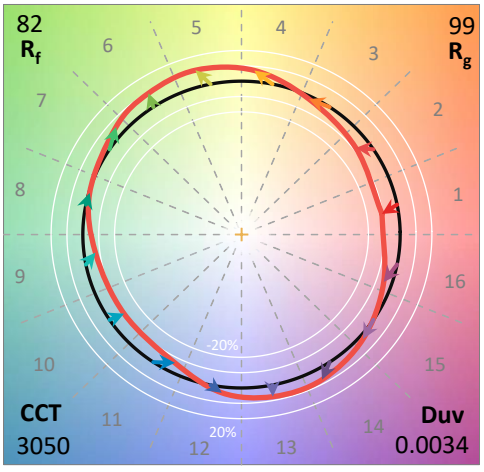
Test Information

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

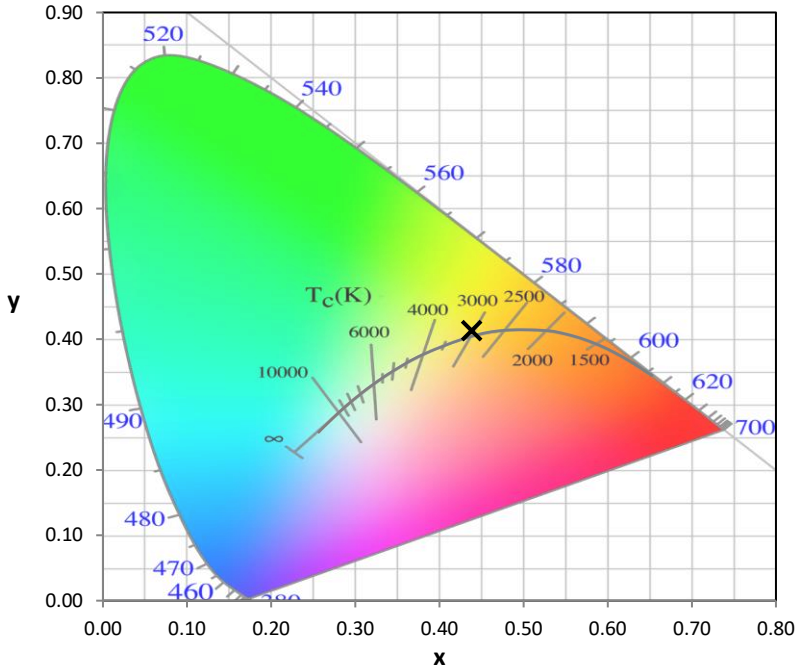
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

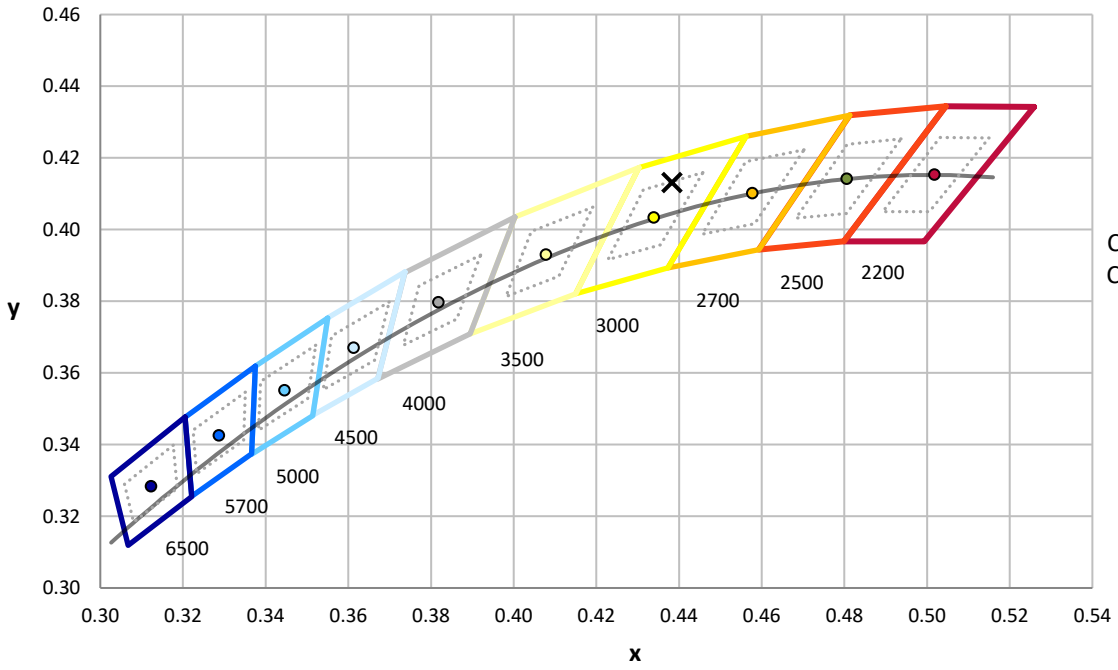
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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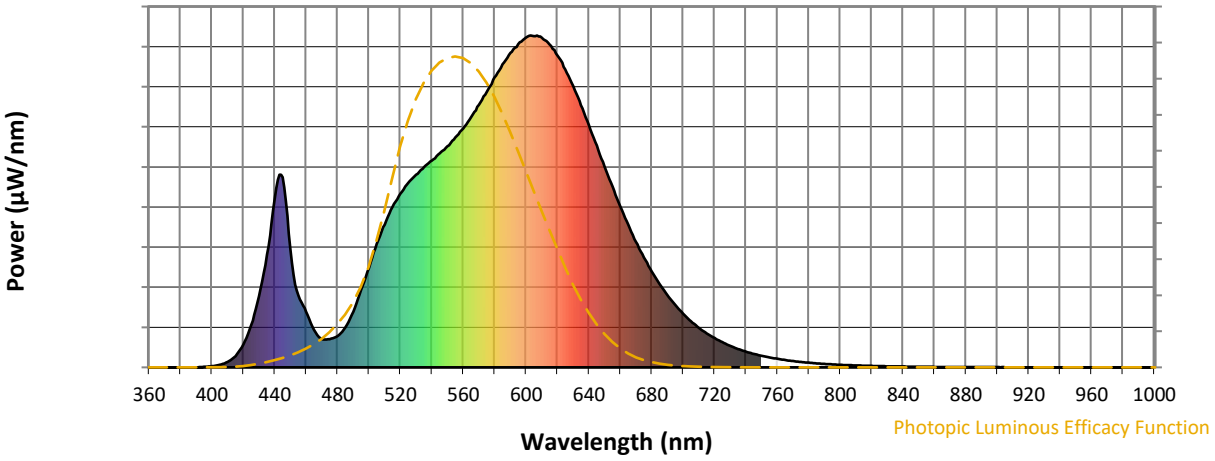
Photopic Flux vs. Wavelength



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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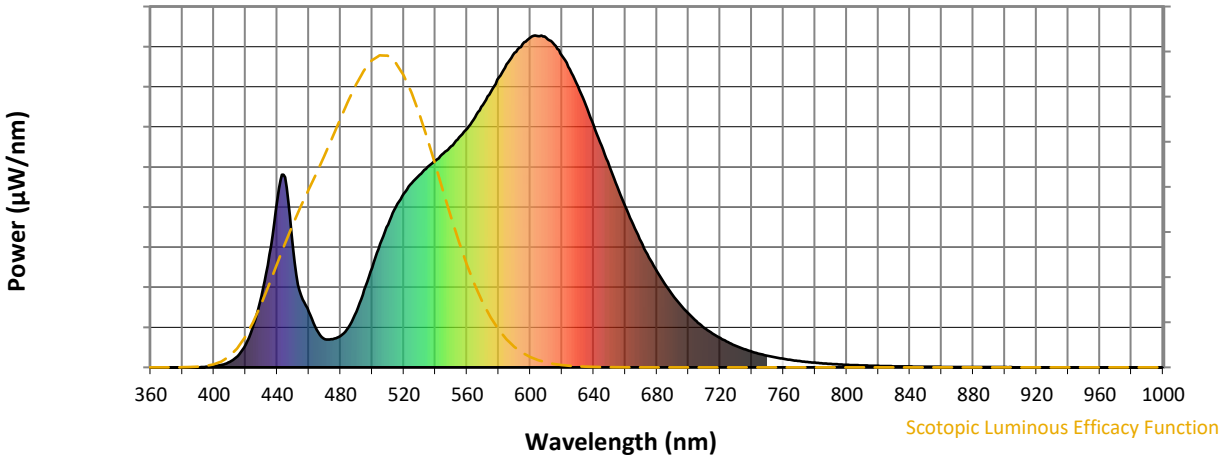
Scotopic Flux vs. Wavelength



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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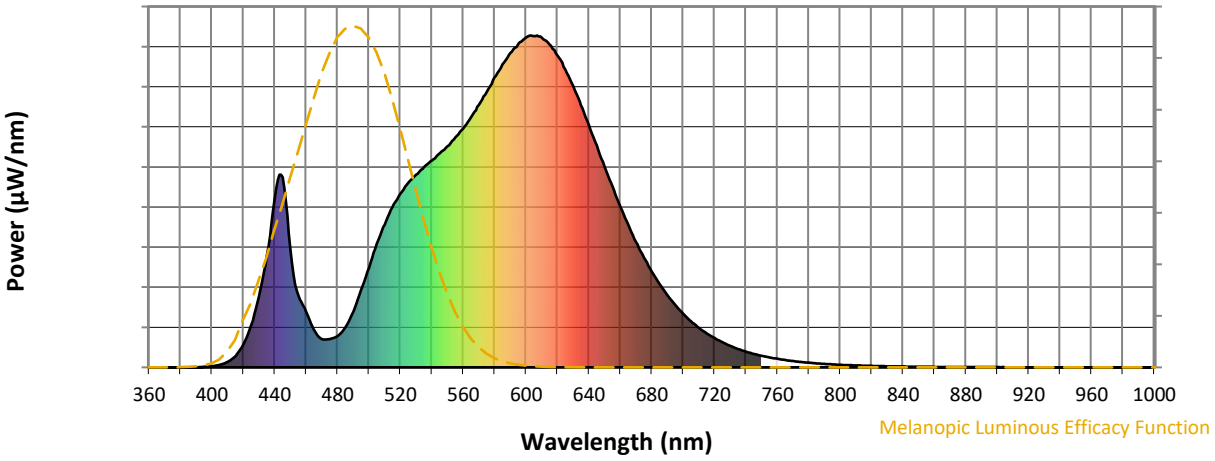
Melanopic Flux vs. Wavelength



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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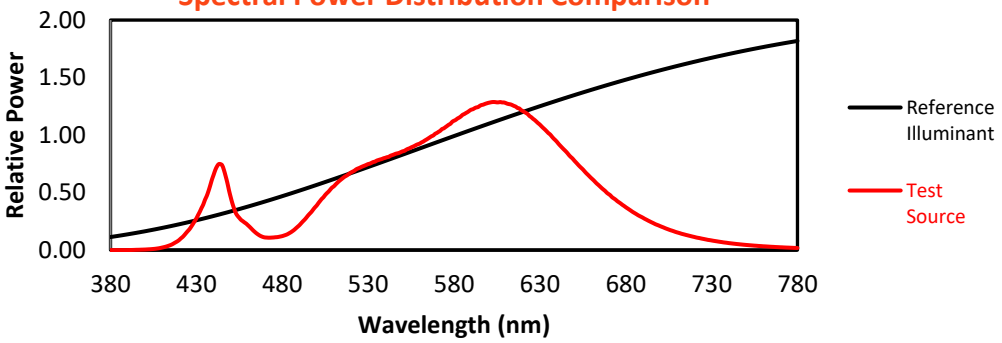
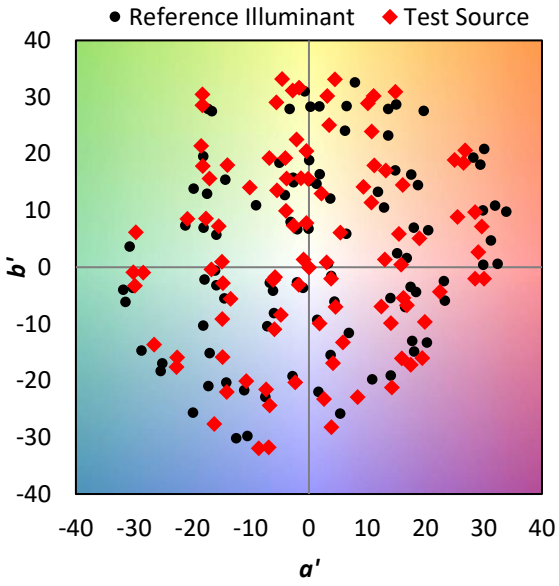
Summary

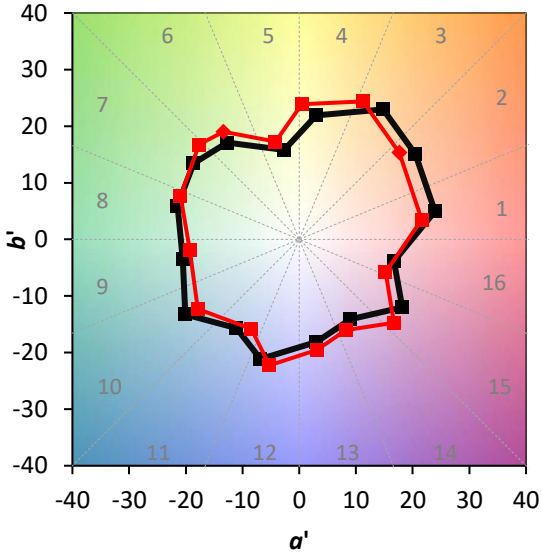
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

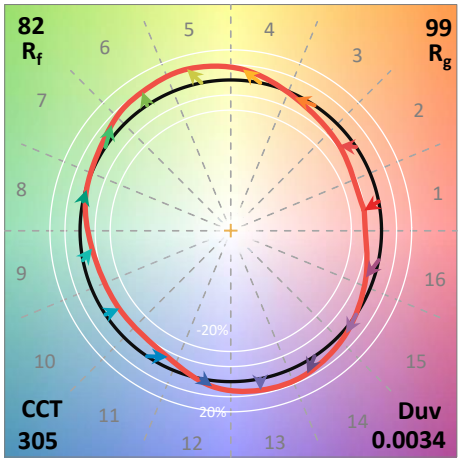
Spectral Power Distribution Comparison

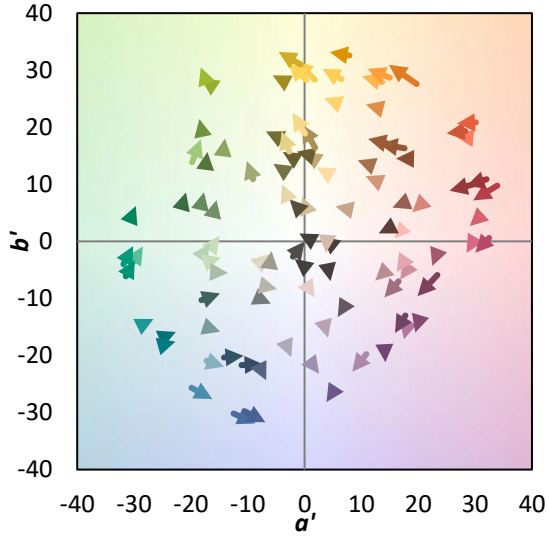


Color Vector Graphics









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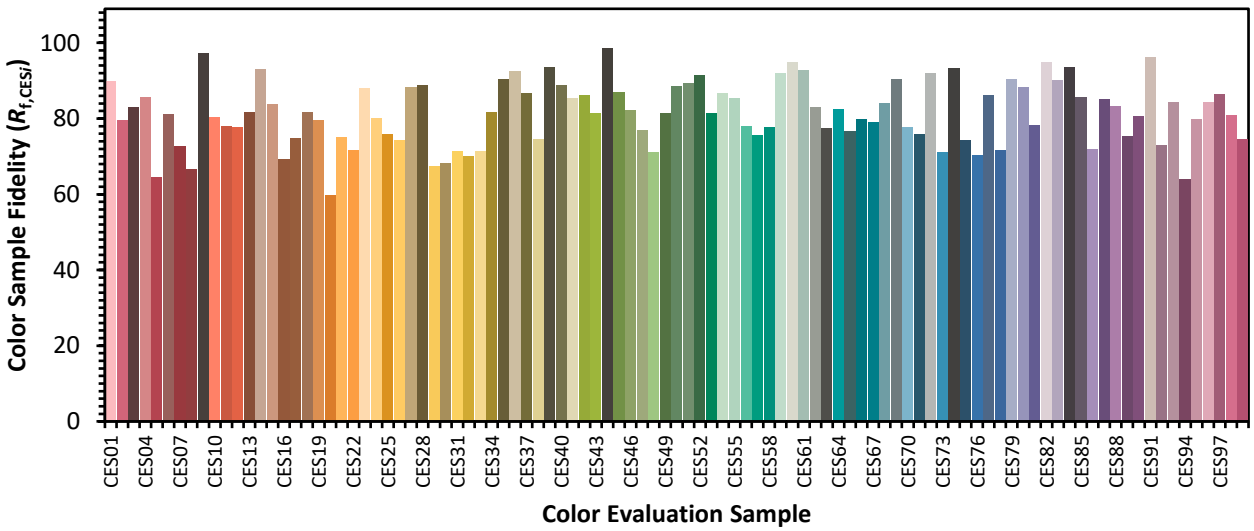
Individual Sample Fidelity Index ($R_{f,i}$)

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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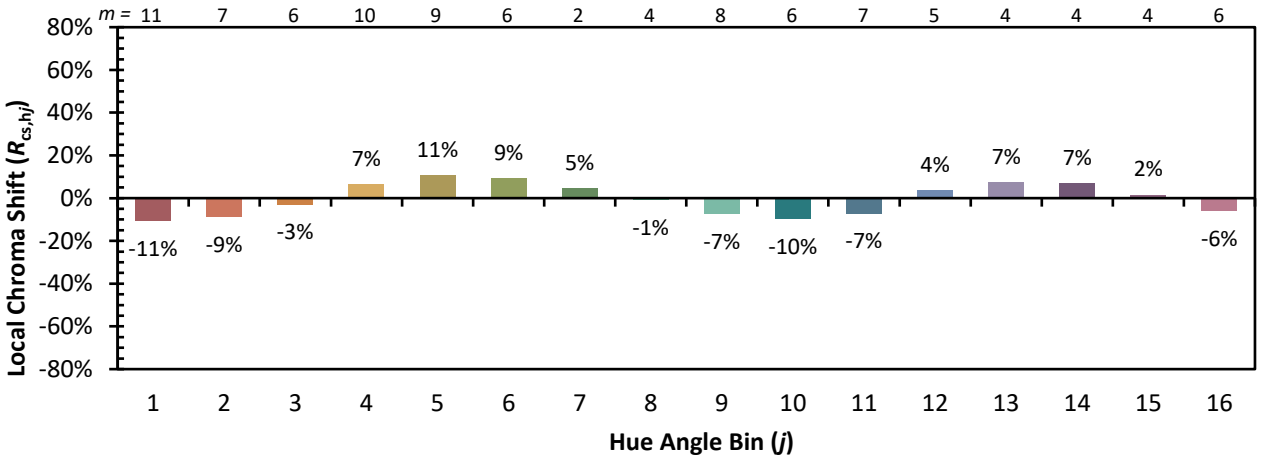
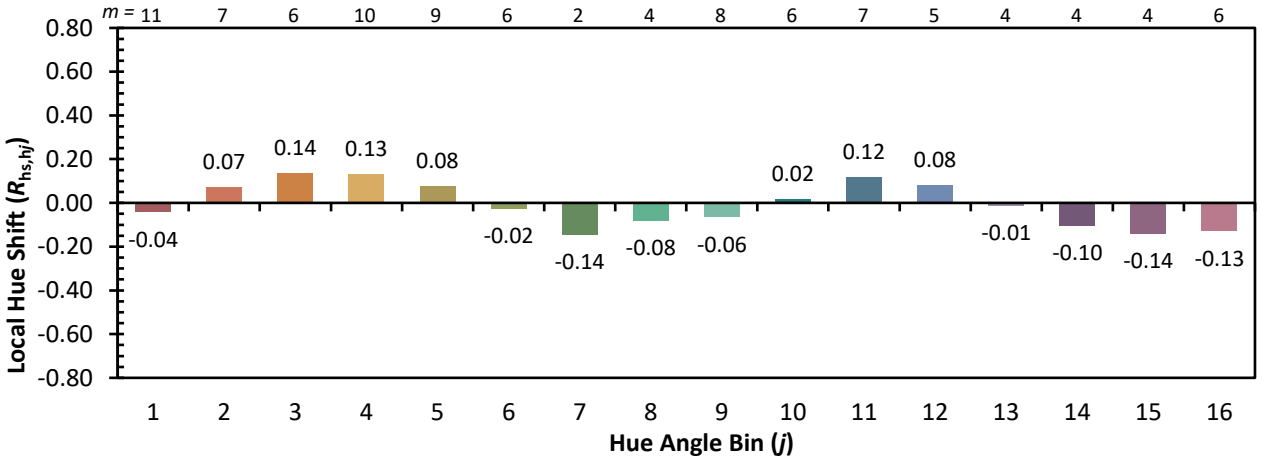
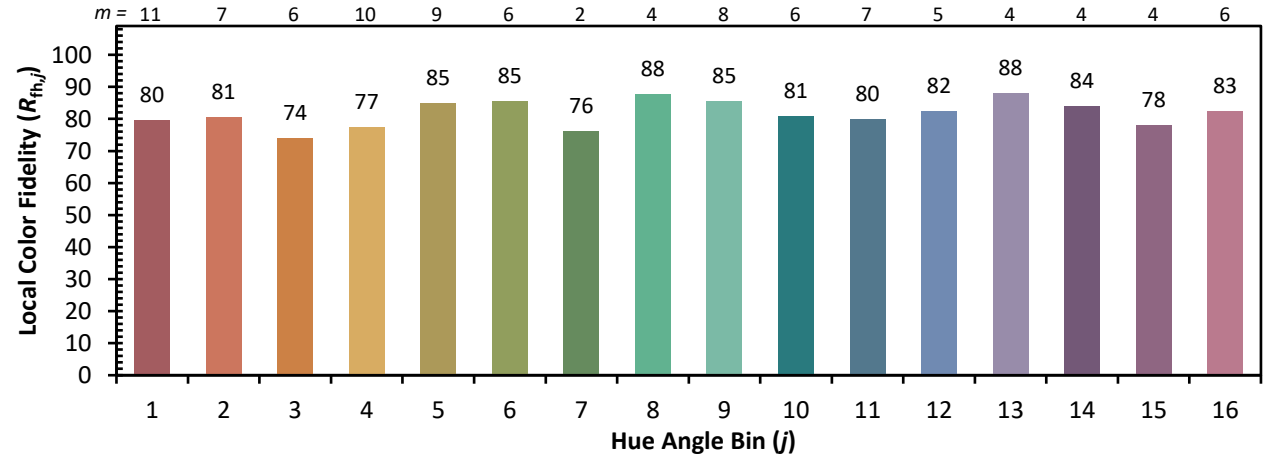
Color Rendition by Hue-Angle Bin







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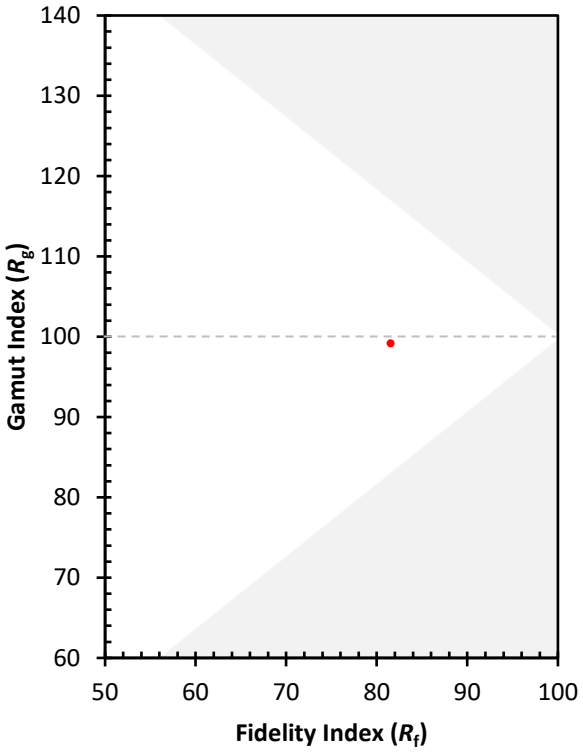
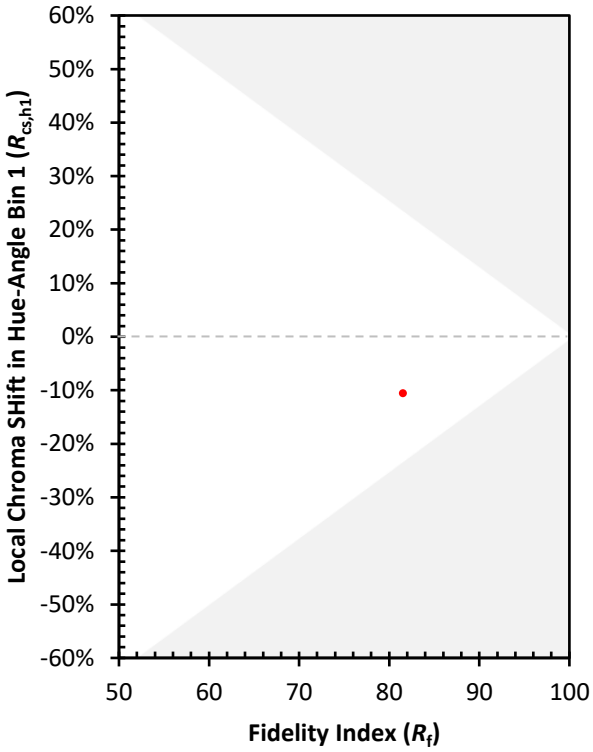
Measure Comparisons





(END OF REPORT)