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: P641942

Luminaire Tested: GWS-SA6B-830-U-SL4-W-HSS

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:	P641942
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6B-830-U-SL4-W-HSS
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13252.1 lumens
Efficiency:	N/A
Efficacy:	95.4 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G3

Input Watts (W):	138.9
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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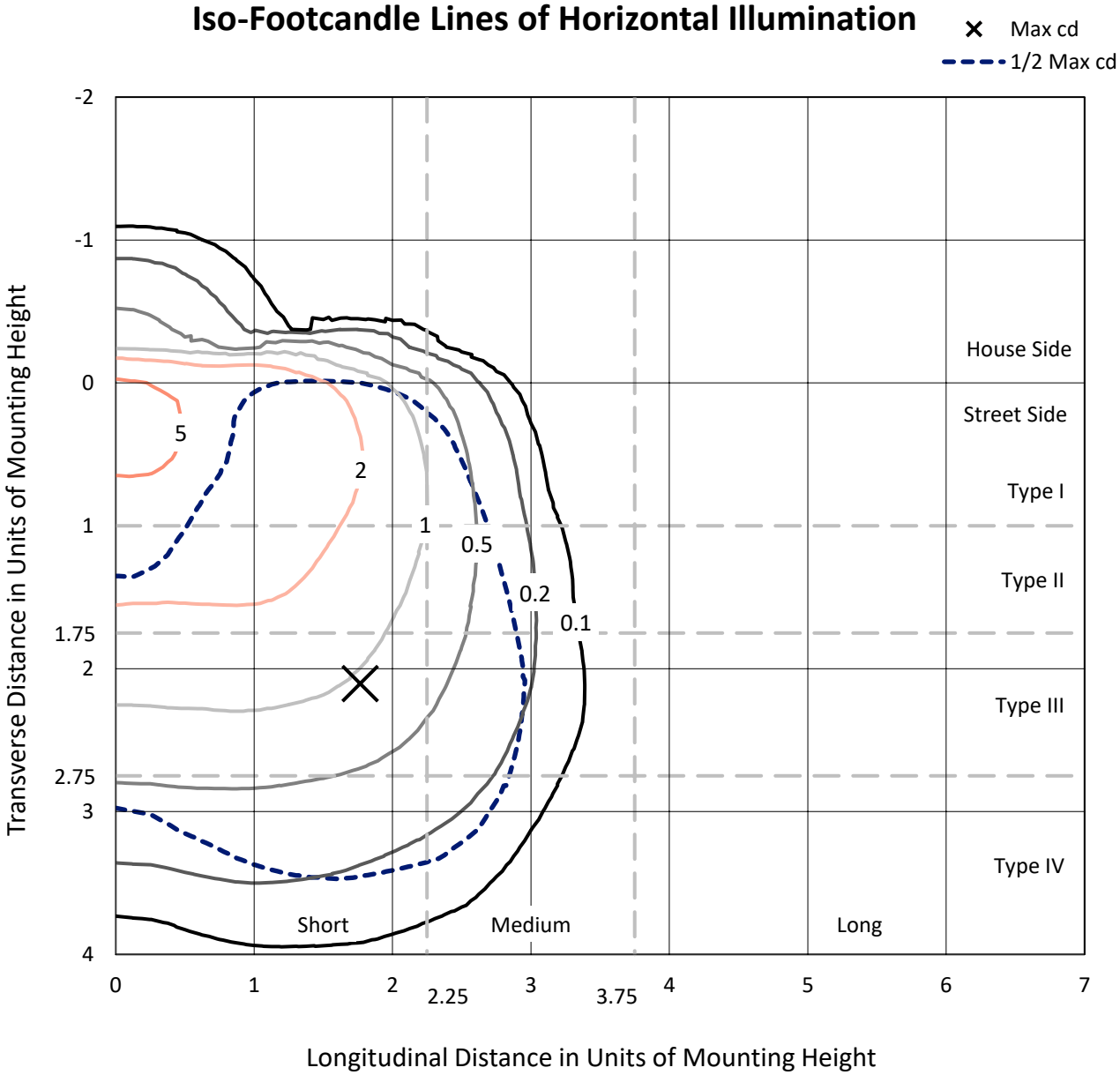
REPORT NUMBER: P641942
CATALOG NUMBER: GWS-SA6B-830-U-SL4-W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 6.1 fc
Type IV - Short - N/A

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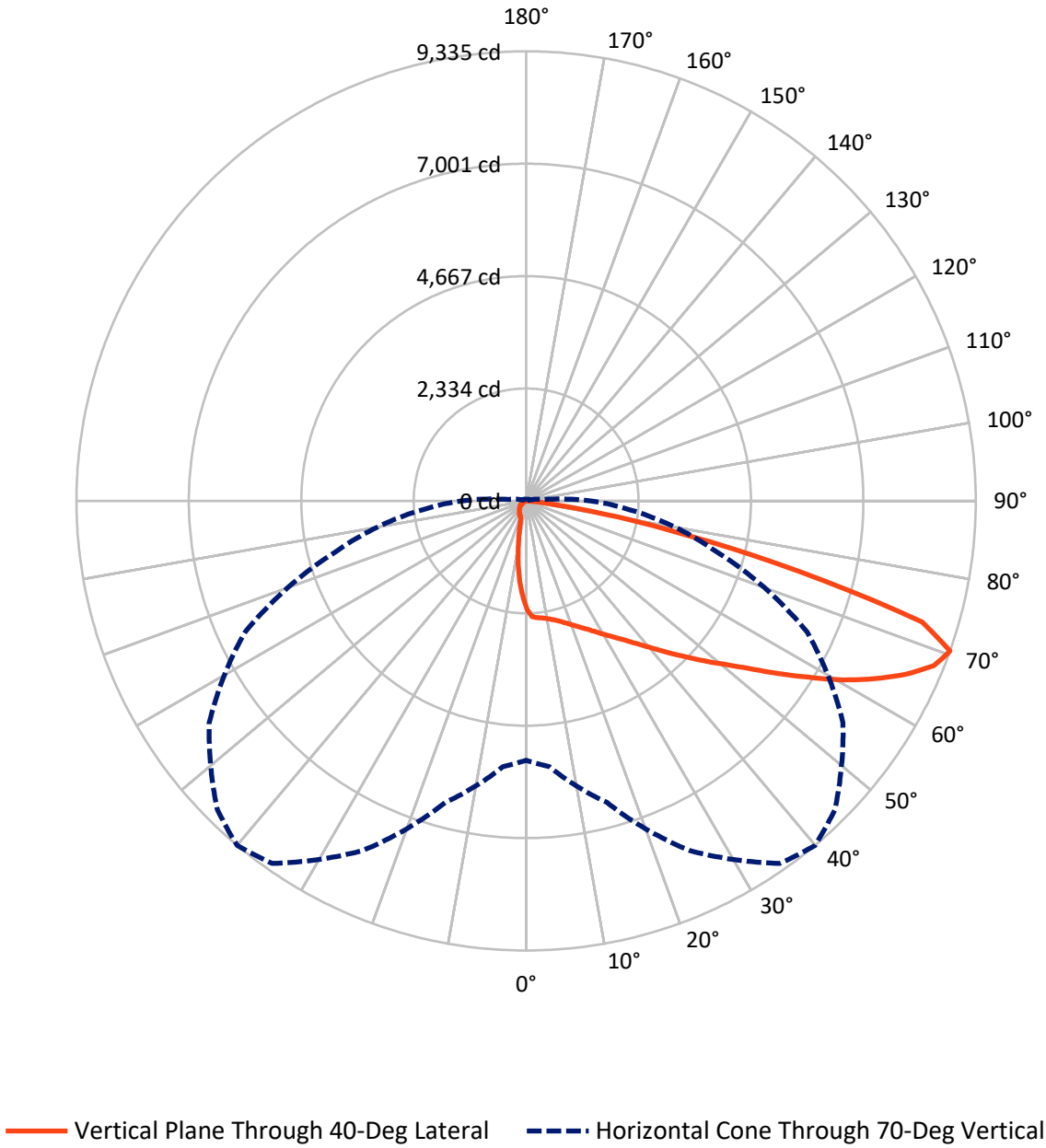
Luminous Intensity Polar Plot



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REPORT NUMBER: P641942
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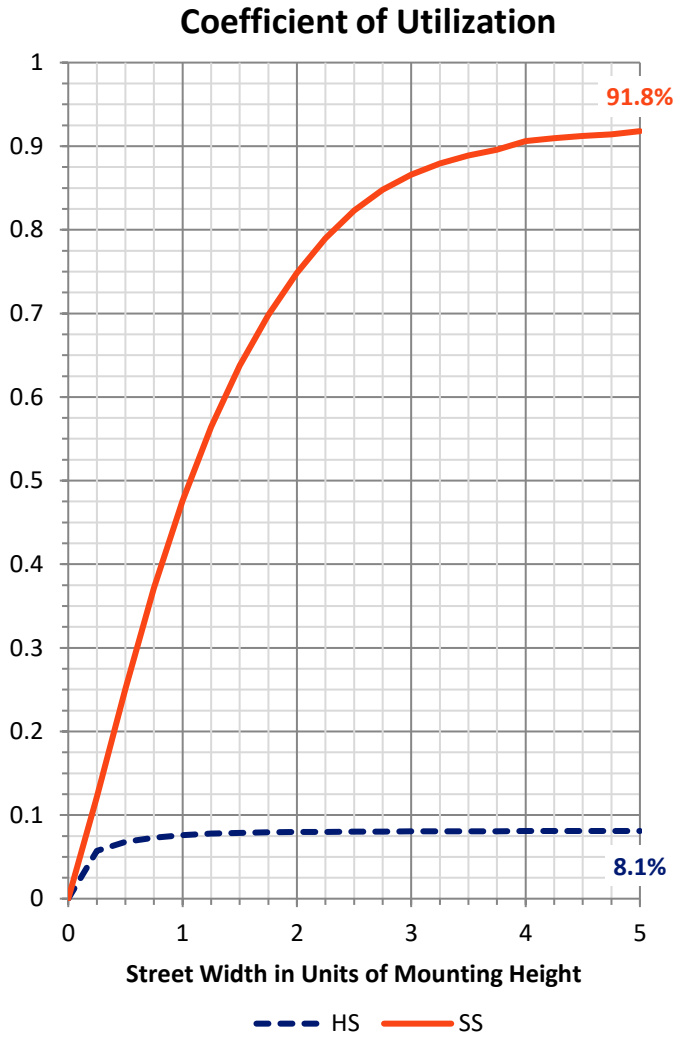
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1083.7	0.0	1083.7
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	12168.4	0.0	12168.4
	% Fixture	91.8	0.0	91.8
Total	Lumens	13252.1	0.0	13252.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.1	1.4
10°-20°	482.0	3.6
20°-30°	806.8	6.1
30°-40°	1267.1	9.6
40°-50°	2004.3	15.1
50°-60°	2923.8	22.1
60°-70°	3624.5	27.4
70°-80°	1833.8	13.8
80°-90°	119.7	0.9
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°	13252.1	100.0
0°-180°	13252.1	100.0



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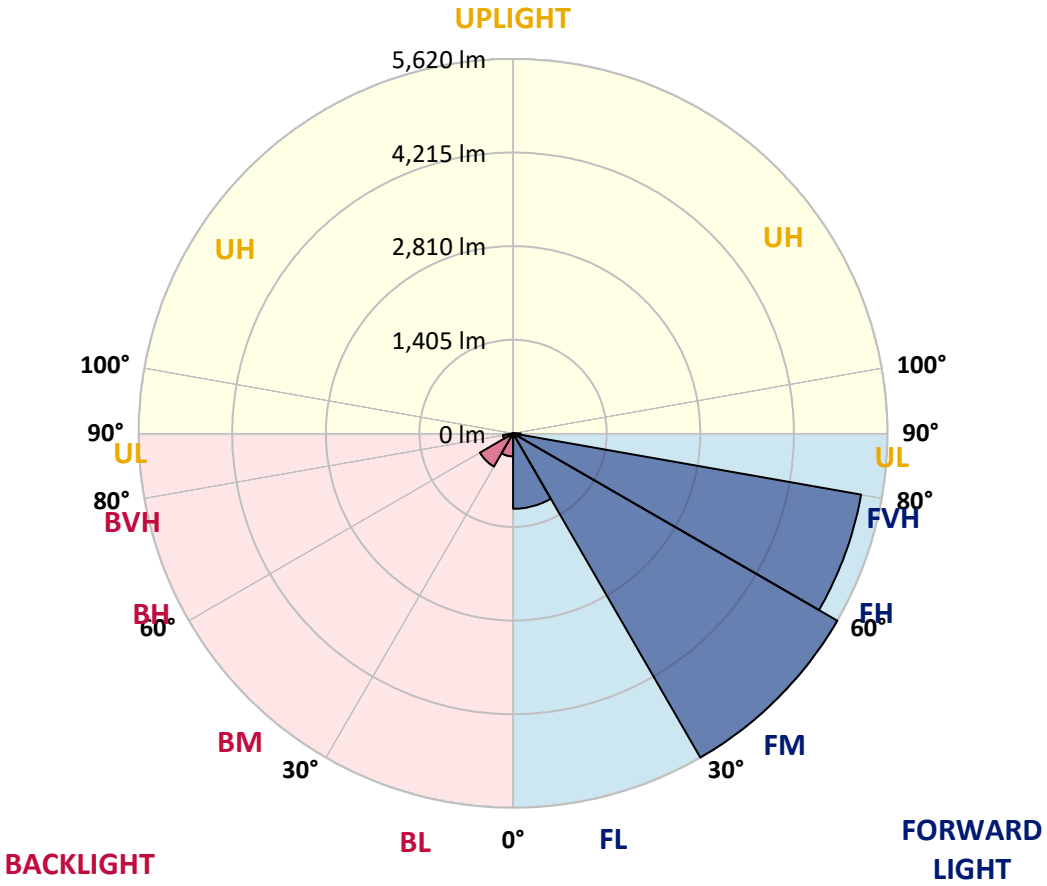
CATALOG NUMBER: GWS-SA6B-830-U-SL4-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1132.8	8.5			
FM	(30°-60°)	5620.1	42.4			
FH	(60°-80°)	5303.7	40.0			G3/7500
FVH	(80°-90°)	111.8	0.8			G2/225
BL	(0°-30°)	346.1	2.6	B1/500		
BM	(30°-60°)	575.2	4.3	B1/1000		
BH	(60°-80°)	154.5	1.2	B1/500		G1/500
BVH	(80°-90°)	7.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
Type IV Short



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Scaled Data Report

REPORT NUMBER: P641942
CATALOG NUMBER: GWS-SA6B-830-U-SL4-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2248.7	2248.7	2248.7	2248.7	2248.7	2248.7	2248.7	2248.7	2248.7	2248.7	2248.7
2.5°	2417.5	2426.0	2424.8	2428.4	2419.9	2406.7	2404.3	2386.2	2353.6	2312.6	2266.8
5°	2467.0	2476.6	2469.4	2465.8	2450.1	2435.6	2432.0	2412.7	2375.3	2319.9	2240.3
7.5°	2509.2	2511.6	2506.8	2498.3	2475.4	2456.1	2442.8	2416.3	2371.7	2316.2	2224.6
10°	2516.4	2515.2	2517.6	2518.8	2504.3	2487.5	2476.6	2440.4	2383.8	2324.7	2225.8
12.5°	2508.0	2508.0	2523.6	2541.7	2541.7	2533.3	2522.4	2489.9	2423.6	2353.6	2249.9
15°	2518.8	2522.4	2552.6	2586.3	2597.2	2588.7	2583.9	2550.2	2481.4	2404.3	2293.3
17.5°	2557.4	2561.0	2609.2	2659.9	2673.1	2663.5	2653.9	2620.1	2546.5	2462.1	2342.8
20°	2614.1	2623.7	2685.2	2750.3	2762.4	2750.3	2731.0	2684.0	2610.4	2524.8	2389.8
22.5°	2717.8	2723.8	2790.1	2858.8	2864.9	2845.6	2816.6	2751.5	2674.4	2591.2	2442.8
25°	2855.2	2863.7	2930.0	2996.3	2980.6	2951.7	2911.9	2838.3	2750.3	2669.5	2510.4
27.5°	3019.2	3028.8	3094.0	3151.8	3110.8	3077.1	3032.5	2940.8	2851.6	2778.0	2597.2
30°	3196.4	3204.9	3262.8	3314.6	3260.3	3220.6	3167.5	3073.5	2983.0	2927.6	2720.2
32.5°	3367.7	3366.5	3421.9	3464.1	3408.7	3377.3	3329.1	3233.8	3161.5	3137.4	2903.4
35°	3526.8	3526.8	3572.6	3614.8	3575.0	3558.2	3513.6	3437.6	3396.6	3425.5	3148.2
37.5°	3687.2	3678.7	3722.1	3769.2	3765.6	3766.8	3741.4	3705.3	3707.7	3810.2	3484.6
40°	3819.8	3816.2	3866.8	3928.3	3976.6	4015.1	3999.5	4012.7	4088.7	4280.4	3915.1
42.5°	3925.9	3934.4	3999.5	4097.1	4218.9	4297.3	4308.1	4362.4	4557.7	4854.3	4401.0
45°	4047.7	4048.9	4139.3	4288.9	4483.0	4607.2	4650.6	4790.4	5067.8	5450.0	4933.9
47.5°	4197.2	4182.7	4284.0	4493.8	4774.8	4958.0	5035.2	5210.0	5639.3	6031.2	5368.0
50°	4362.4	4335.9	4450.4	4736.2	5101.5	5330.6	5487.4	5743.0	6206.0	6508.6	5691.1
52.5°	4554.1	4528.8	4659.0	5014.7	5493.4	5771.9	5973.3	6231.3	6691.9	6872.8	5884.1
55°	4797.7	4772.4	4909.8	5348.7	5956.4	6318.1	6529.1	6746.2	7144.1	7141.7	6023.9
57.5°	5067.8	5032.8	5223.3	5770.7	6534.0	6910.1	7124.8	7230.9	7487.7	7350.2	6118.0
60°	5377.6	5346.3	5610.4	6273.5	7200.7	7549.2	7684.2	7640.8	7769.8	7473.2	6085.4
62.5°	5657.4	5642.9	5970.9	6806.5	7836.2	8130.4	8167.7	7978.4	7977.2	7475.6	5866.0
65°	5948.0	5975.7	6462.8	7420.2	8475.2	8673.0	8609.1	8313.6	8060.4	7180.2	5217.3
67.5°	6056.5	6137.3	6787.2	7974.8	8979.2	9133.6	9021.4	8481.2	7714.4	6186.7	3972.9
70°	5386.1	5538.0	6480.9	8006.2	9187.8	9334.9	9066.0	8030.3	6431.5	4098.3	2176.4
72.5°	4095.9	4273.2	5400.6	6555.7	8263.0	8598.2	8138.8	6542.4	4145.4	1795.4	730.7
75°	2292.1	2483.8	4022.4	4936.3	5547.7	5853.9	5685.1	4197.2	1836.4	469.0	218.2
77.5°	775.3	839.2	1871.3	3054.2	3661.9	3386.9	2867.3	2084.7	675.2	178.5	115.8
80°	459.4	483.5	696.9	1520.4	1926.8	1597.6	1261.2	770.5	343.6	95.3	80.8
82.5°	137.5	162.8	384.6	564.3	754.8	470.2	397.9	440.1	178.5	51.8	67.5
85°	0.0	0.0	82.0	174.8	197.7	77.2	77.2	249.6	32.6	21.7	49.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	6.0	3.6	4.8	10.9
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: P641942
CATALOG NUMBER: GWS-SA6B-830-U-SL4-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2248.7	2248.7	2248.7	2248.7	2248.7	2248.7	2248.7	2248.7	2248.7	2248.7	2248.7
2.5°	2234.3	2192.1	2142.6	2095.6	2051.0	1993.1	1965.4	1931.6	1902.7	1887.0	1895.4
5°	2189.6	2123.3	2022.0	1919.6	1815.9	1718.2	1630.2	1571.1	1518.0	1490.3	1496.3
7.5°	2151.1	2061.8	1903.9	1736.3	1569.9	1402.3	1266.0	1159.9	1077.9	1044.2	1038.2
10°	2134.2	2022.0	1799.0	1557.8	1302.2	1076.7	883.8	766.9	683.7	642.7	649.9
12.5°	2142.6	2001.5	1709.8	1383.0	1051.4	788.6	604.1	494.4	435.3	411.2	405.1
15°	2166.7	1996.7	1630.2	1204.5	811.5	551.0	417.2	372.6	360.5	358.1	358.1
17.5°	2194.5	1997.9	1548.2	1023.7	616.1	408.7	356.9	348.5	344.8	342.4	343.6
20°	2222.2	1997.9	1454.1	840.4	463.0	353.3	340.0	334.0	330.4	329.2	329.2
22.5°	2256.0	1997.9	1349.2	670.4	371.4	335.2	324.3	320.7	317.1	315.9	314.7
25°	2297.0	1999.1	1233.5	524.5	337.6	319.5	311.1	307.5	303.8	301.4	301.4
27.5°	2356.0	2008.8	1105.7	408.7	318.3	305.1	297.8	294.2	290.6	287.0	287.0
30°	2441.6	2032.9	962.2	337.6	300.2	289.4	282.1	279.7	276.1	272.5	271.3
32.5°	2569.5	2075.1	813.9	302.6	283.4	272.5	264.1	261.6	258.0	254.4	253.2
35°	2747.9	2152.3	669.2	280.9	261.6	250.8	246.0	244.8	239.9	236.3	236.3
37.5°	3009.6	2277.7	530.5	259.2	243.6	235.1	229.1	226.7	221.9	218.2	217.0
40°	3329.1	2440.4	412.4	242.4	226.7	218.2	212.2	208.6	202.6	197.7	195.3
42.5°	3736.6	2639.4	325.6	224.3	211.0	202.6	197.7	190.5	182.1	174.8	173.6
45°	4161.0	2844.4	268.9	207.4	196.5	189.3	183.3	173.6	161.6	153.1	150.7
47.5°	4486.6	2972.2	235.1	189.3	180.9	174.8	167.6	155.5	141.1	131.4	129.0
50°	4719.3	2991.5	209.8	172.4	167.6	161.6	150.7	136.2	120.6	110.9	108.5
52.5°	4833.8	2904.7	189.3	156.7	153.1	147.1	133.8	118.2	101.3	91.6	89.2
55°	4885.7	2740.7	170.0	143.5	138.7	131.4	117.0	100.1	83.2	74.8	72.3
57.5°	4865.2	2498.3	153.1	130.2	124.2	115.8	100.1	82.0	68.7	60.3	59.1
60°	4713.3	2158.3	136.2	117.0	109.7	100.1	84.4	67.5	55.5	49.4	48.2
62.5°	4385.3	1736.3	119.4	101.3	96.5	86.8	72.3	55.5	45.8	42.2	41.0
65°	3713.7	1227.5	102.5	85.6	83.2	73.6	60.3	45.8	39.8	37.4	36.2
67.5°	2669.5	746.4	86.8	73.6	71.1	62.7	50.6	39.8	36.2	35.0	35.0
70°	*1342.0*	*353.3*	*68.7*	*60.3*	*60.3*	*51.8*	*43.4*	*36.2*	*35.0*	*33.8*	*33.8*
72.5°	455.8	150.7	51.8	47.0	49.4	44.6	37.4	33.8	33.8	33.8	33.8
75°	155.5	79.6	36.2	33.8	36.2	36.2	32.6	32.6	33.8	33.8	33.8
77.5°	101.3	53.1	25.3	22.9	27.7	27.7	27.7	30.1	32.6	32.6	32.6
80°	83.2	28.9	16.9	15.7	20.5	20.5	22.9	27.7	30.1	30.1	30.1
82.5°	71.1	18.1	9.6	10.9	14.5	15.7	19.3	22.9	26.5	27.7	27.7
85°	48.2	9.6	7.2	8.4	9.6	12.1	15.7	19.3	21.7	24.1	24.1
87.5°	13.3	3.6	4.8	6.0	6.0	8.4	12.1	14.5	16.9	18.1	18.1
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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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

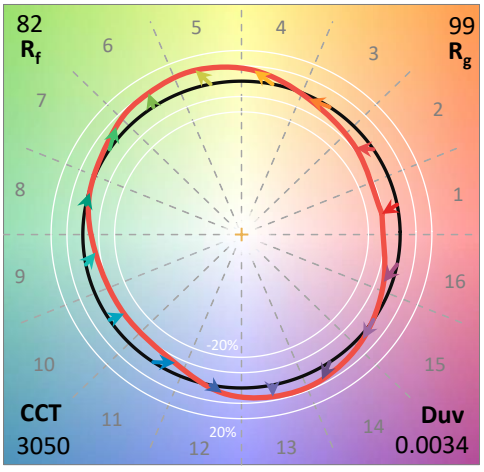
Test Information

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

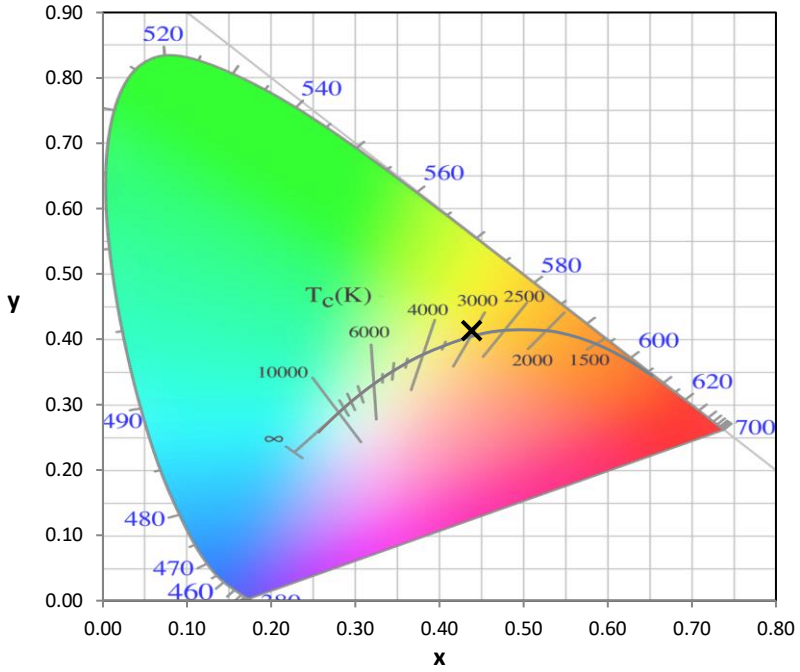
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

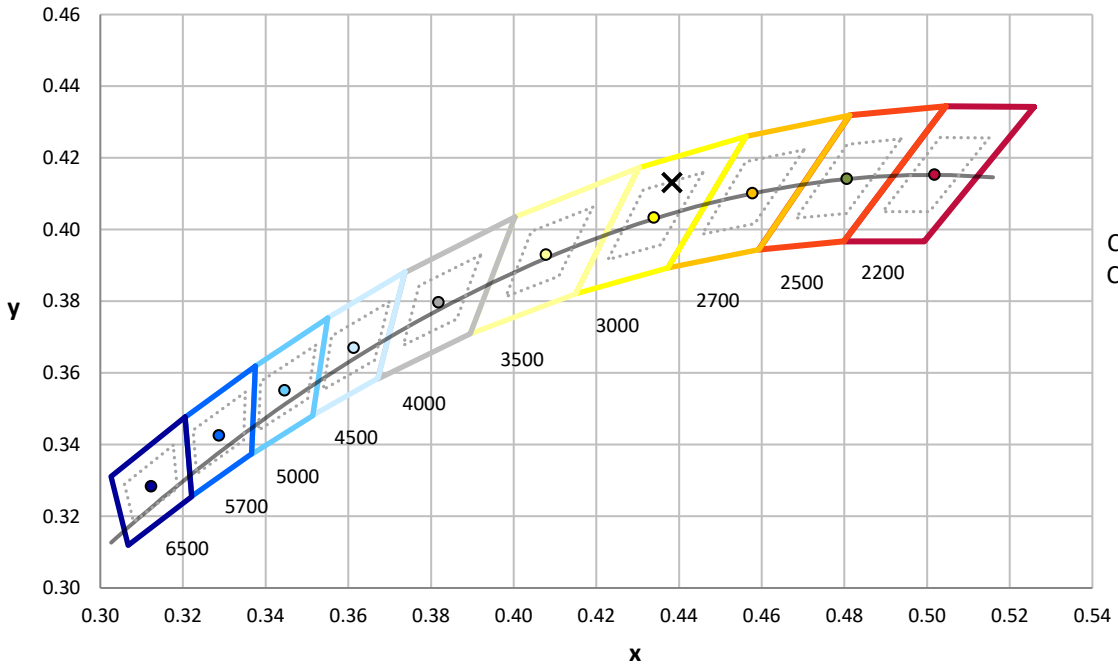
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

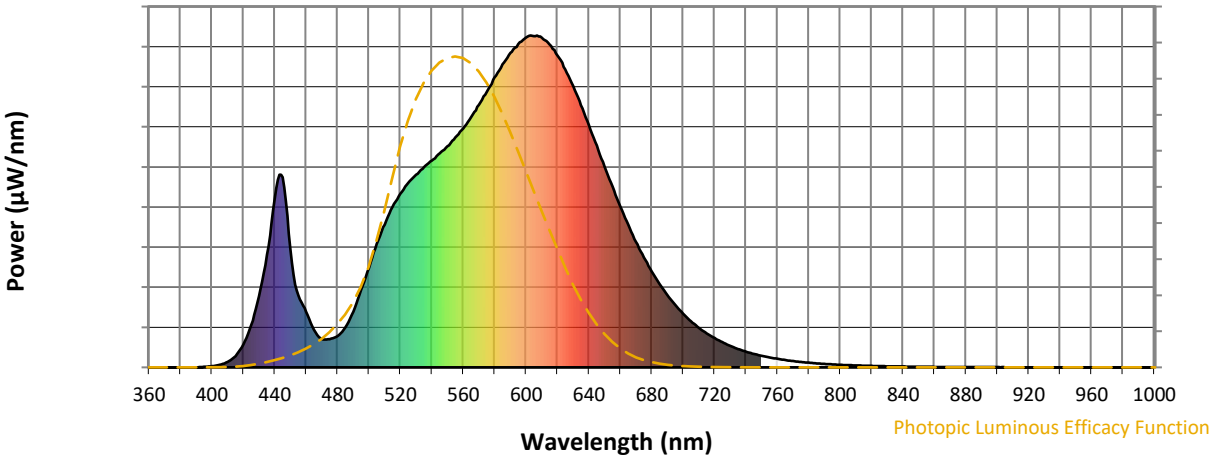


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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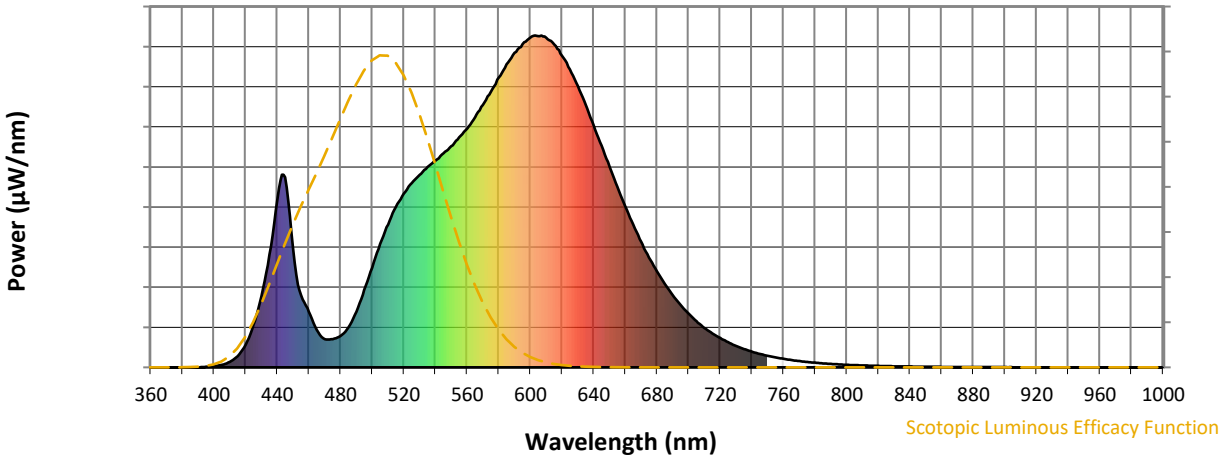
Scotopic Flux vs. Wavelength



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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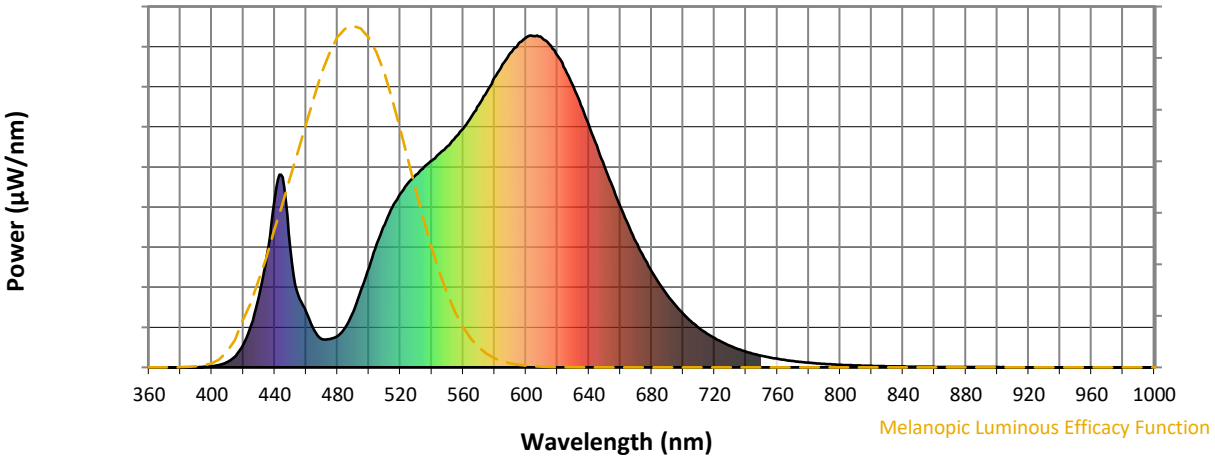
Melanopic Flux vs. Wavelength



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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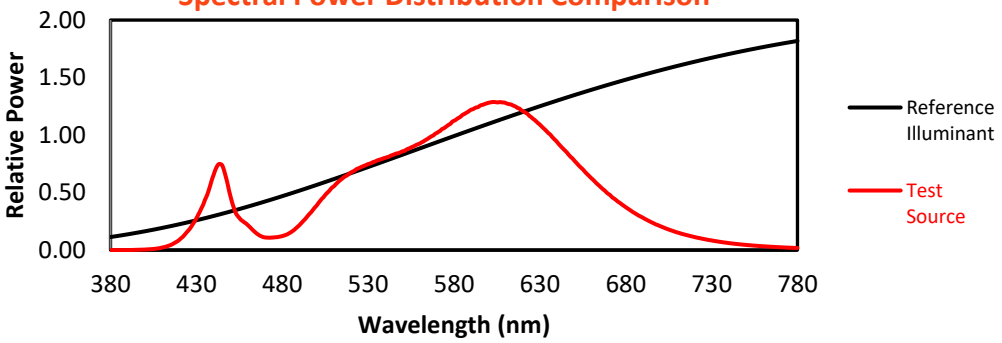
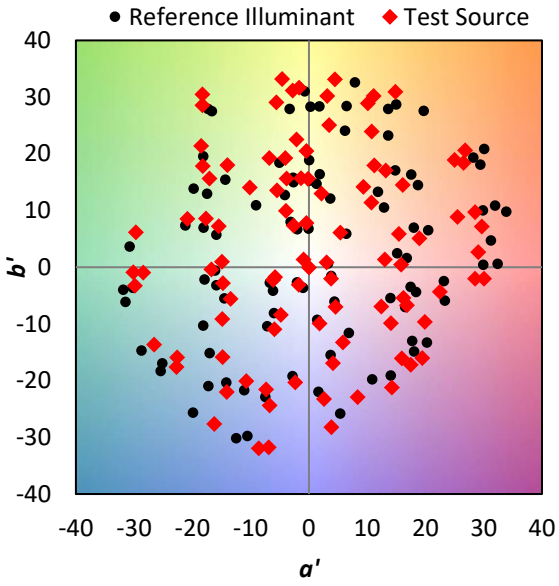
Summary

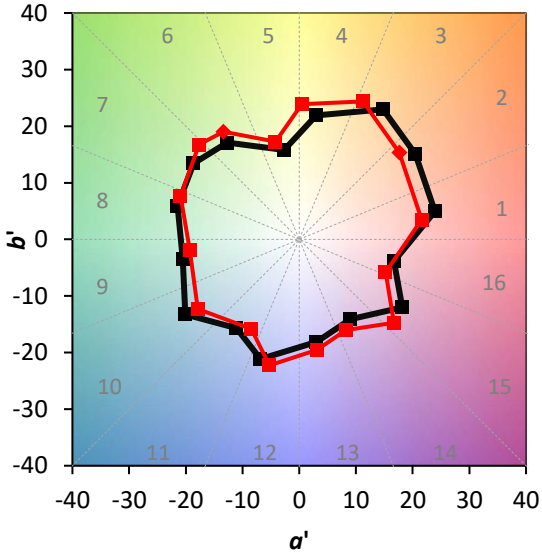
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

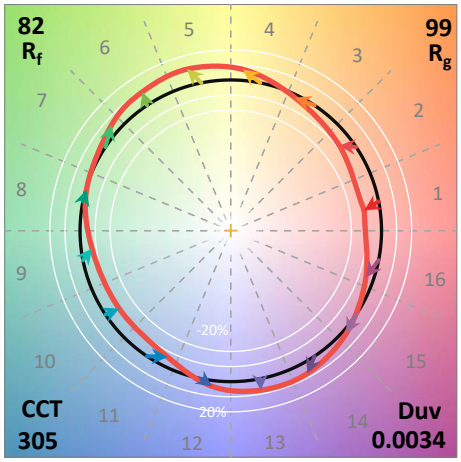
Spectral Power Distribution Comparison

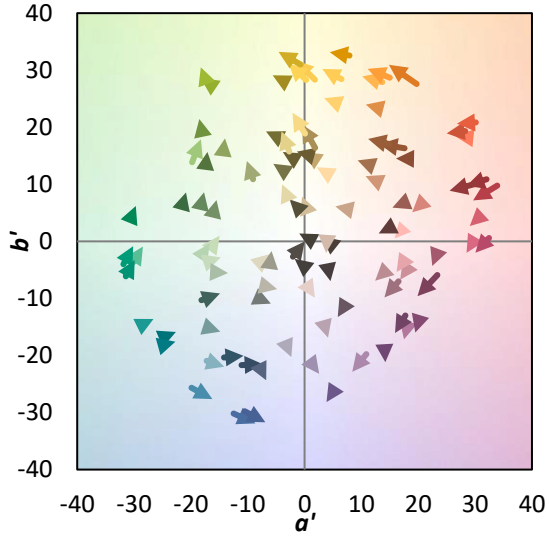


Color Vector Graphics









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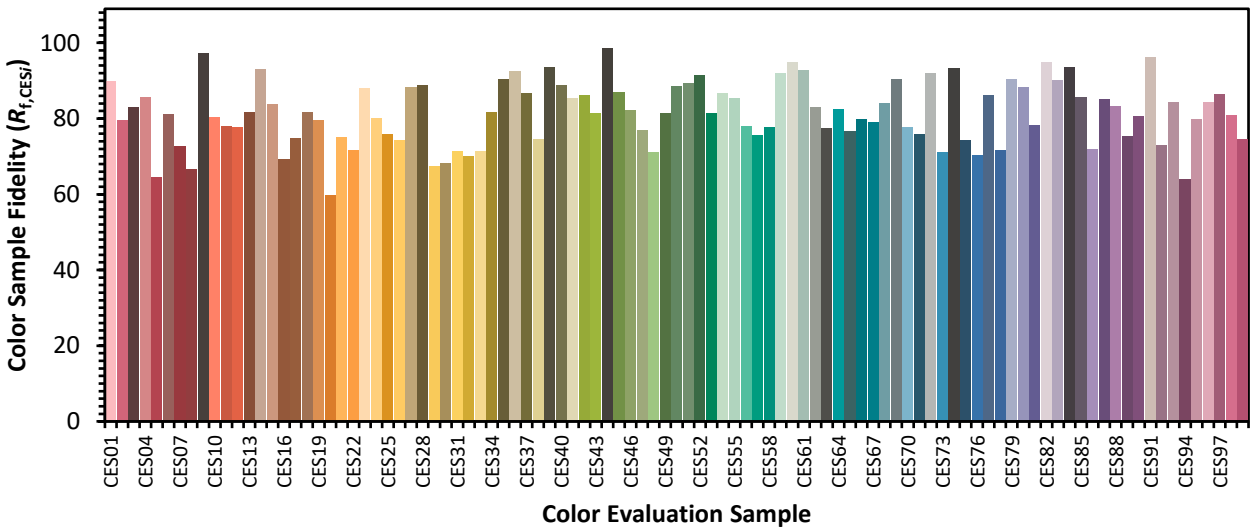
Individual Sample Fidelity Index ($R_{f,i}$)

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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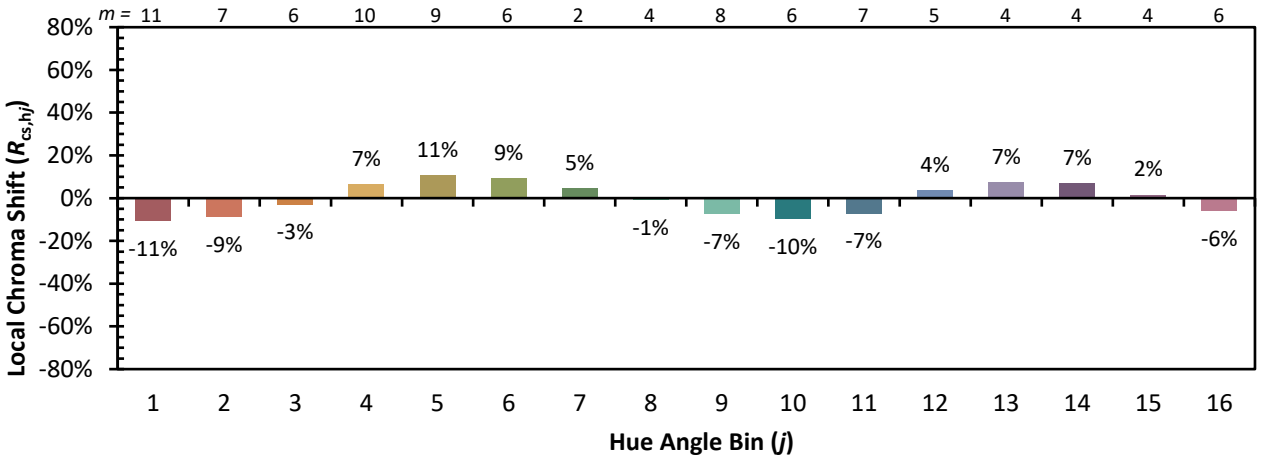
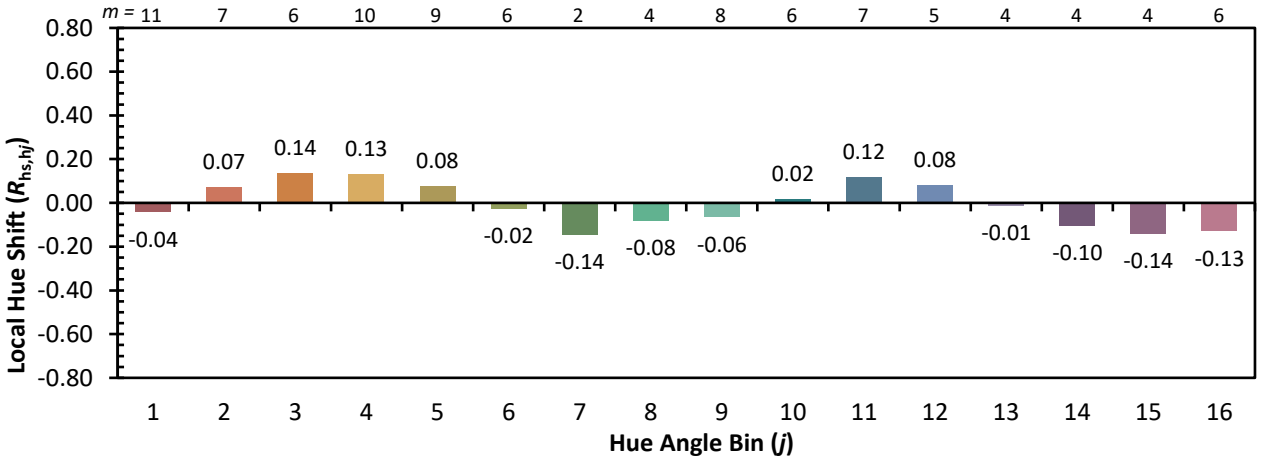
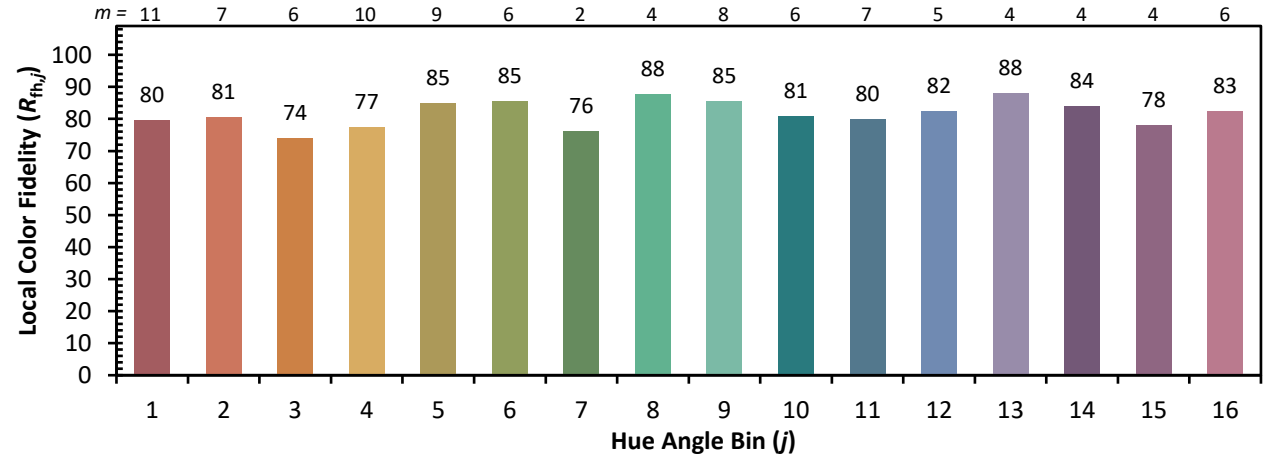
Color Rendition by Hue-Angle Bin







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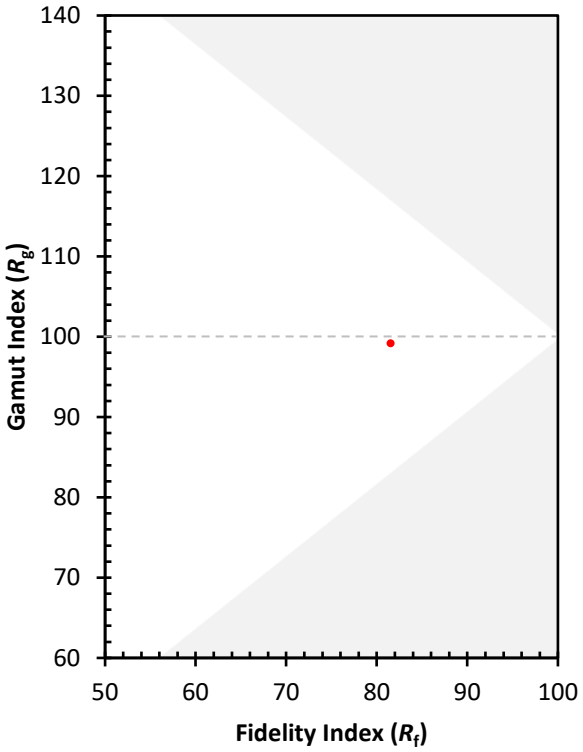
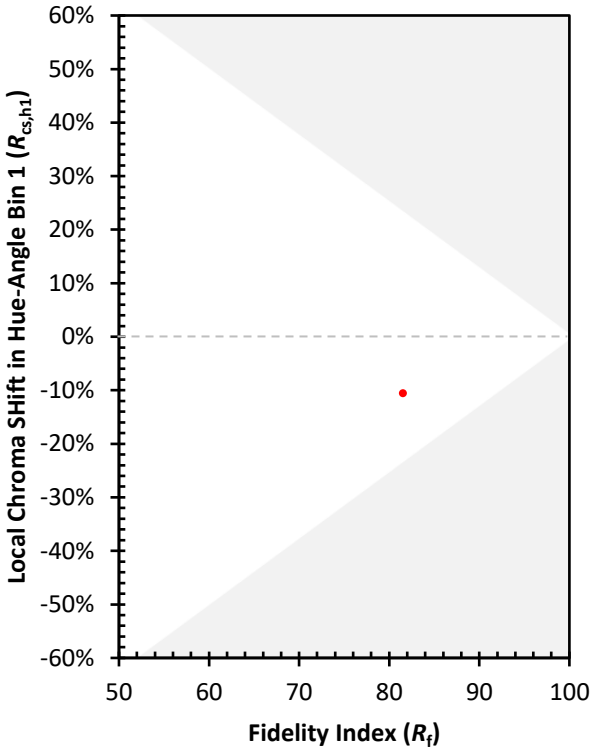
Measure Comparisons





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