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: P641964

Luminaire Tested: GWS-SA6B-830-U-T3-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:	P641964
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6B-830-U-T3-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	16830.7 lumens
Efficiency:	N/A
Efficacy:	121.2 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - 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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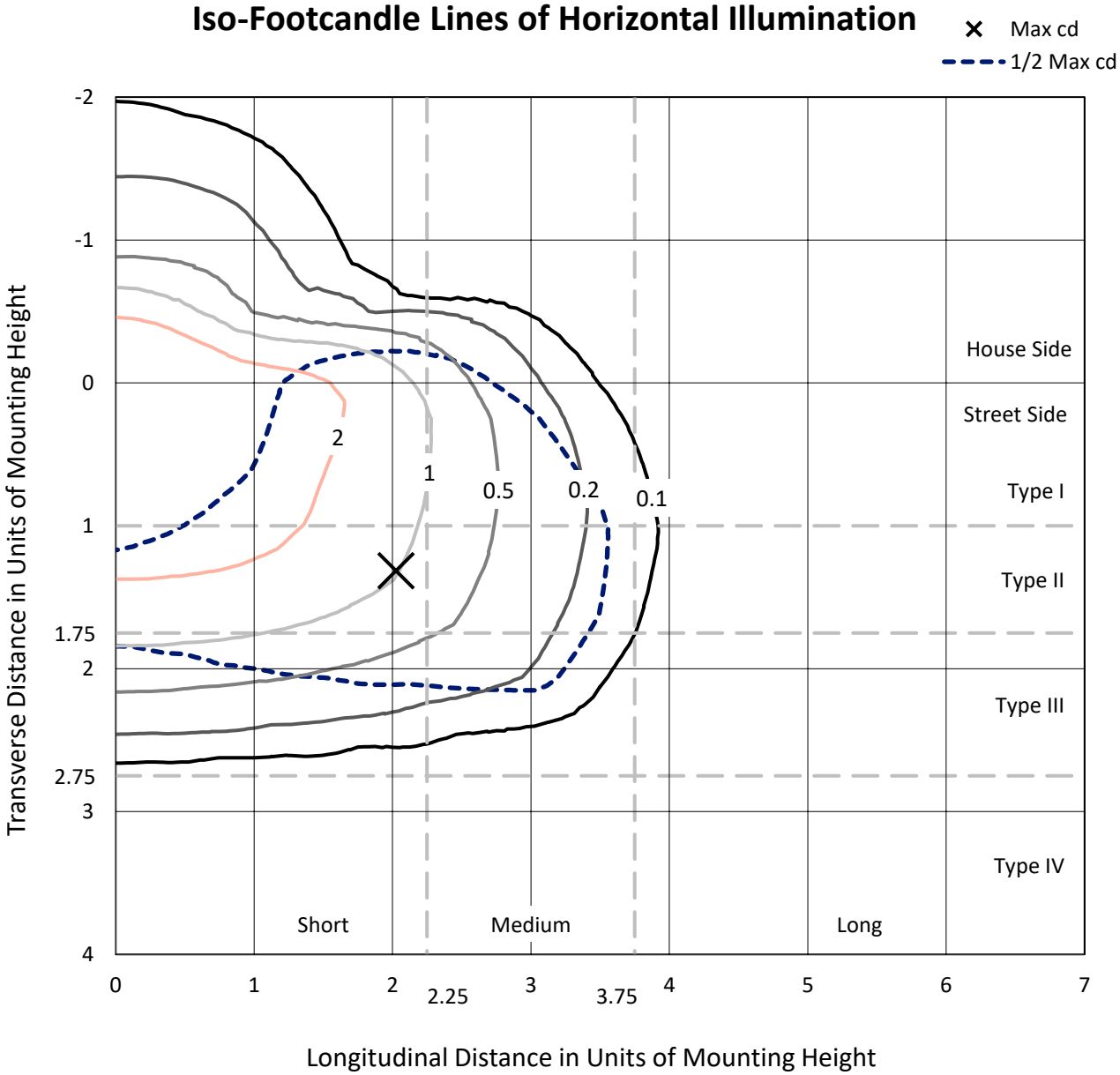
Scaled Data Report

REPORT NUMBER: P641964
CATALOG NUMBER: GWS-SA6B-830-U-T3-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
Type III - Short - N/A

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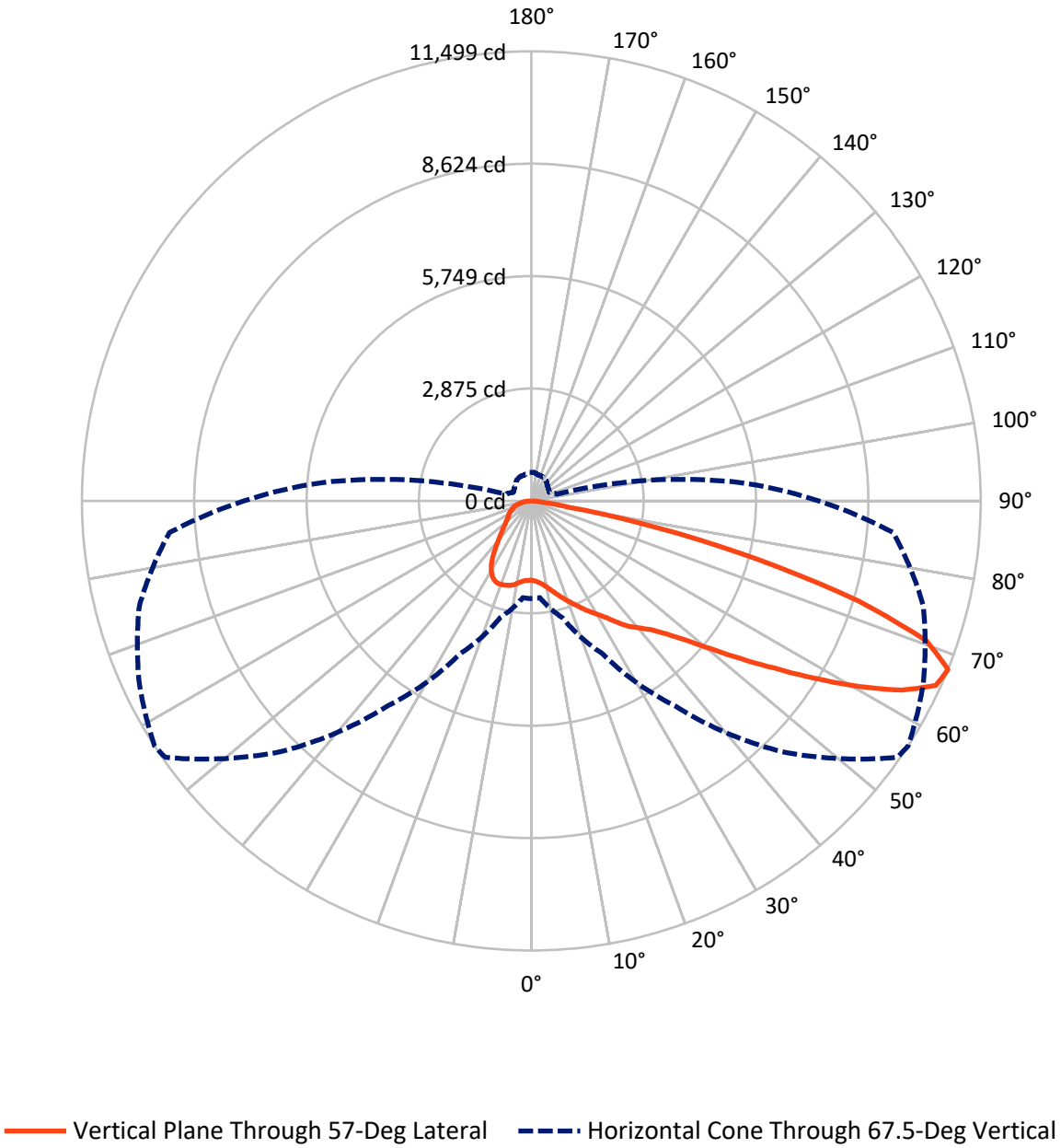
Luminous Intensity Polar Plot



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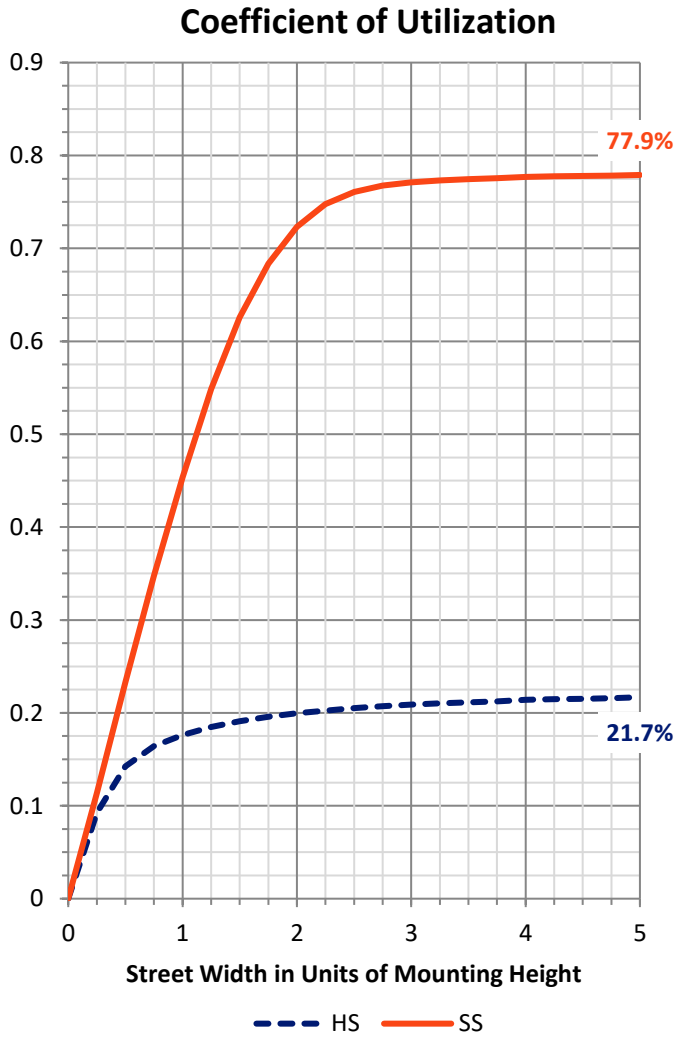
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3700.4	0.0	3700.4
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	13130.3	0.0	13130.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	16830.7	0.0	16830.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.1	1.2
10°-20°	665.9	4.0
20°-30°	1187.1	7.1
30°-40°	1725.9	10.3
40°-50°	2497.9	14.8
50°-60°	3909.2	23.2
60°-70°	4560.3	27.1
70°-80°	1903.7	11.3
80°-90°	179.6	1.1
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°	16830.7	100.0
0°-180°	16830.7	100.0



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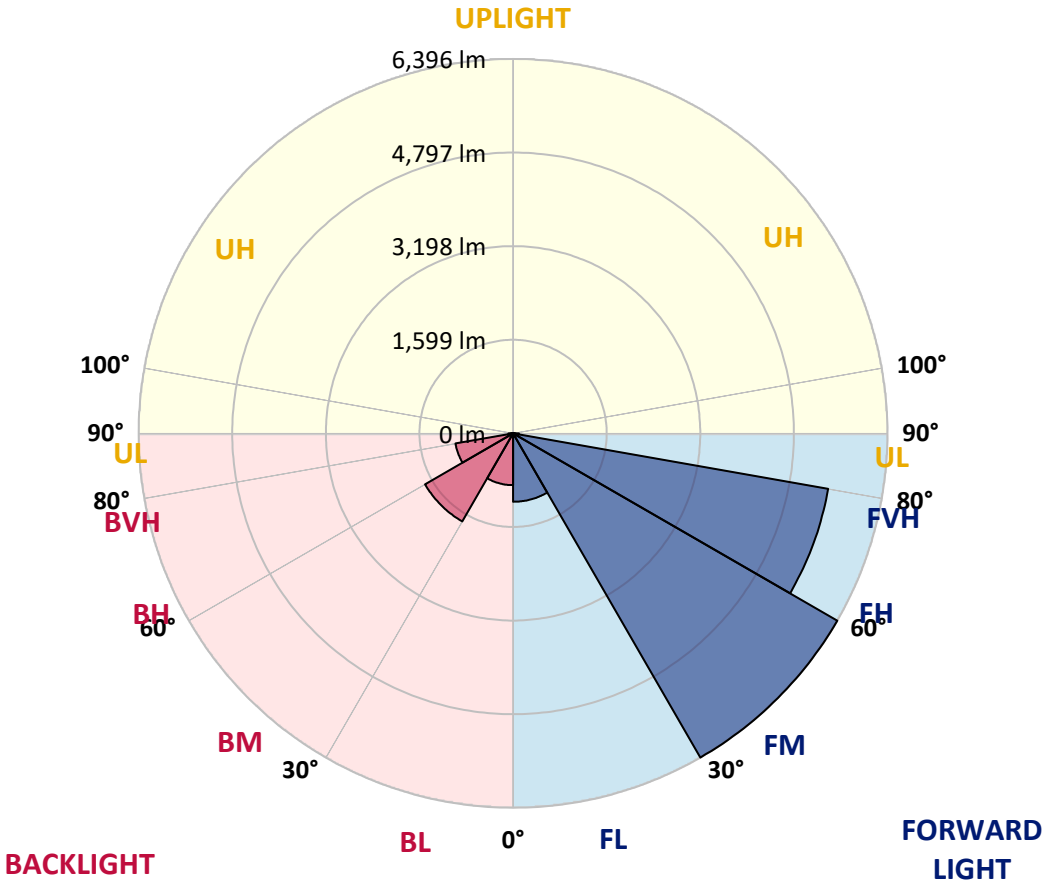
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1169.1	6.9			
FM	(30°-60°)	6395.9	38.0			
FH	(60°-80°)	5465.2	32.5			G3/7500
FVH	(80°-90°)	100.1	0.6			G2/225
BL	(0°-30°)	885.0	5.3	B2/1000		
BM	(30°-60°)	1737.1	10.3	B2/2500		
BH	(60°-80°)	998.8	5.9	B2/1000		G2/1000
BVH	(80°-90°)	79.6	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type III Short



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REPORT NUMBER: P641964
CATALOG NUMBER: GWS-SA6B-830-U-T3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2028.0	2028.0	2028.0	2028.0	2028.0	2028.0	2028.0	2028.0	2028.0	2028.0	2028.0
2.5°	2056.9	2054.5	2053.3	2060.5	2058.1	2056.9	2056.9	2055.7	2053.3	2043.7	2030.4
5°	2113.6	2108.8	2103.9	2110.0	2105.1	2100.3	2099.1	2096.7	2088.3	2073.8	2053.3
7.5°	2172.7	2167.8	2169.1	2172.7	2169.1	2166.6	2163.0	2160.6	2147.3	2124.4	2096.7
10°	2255.9	2255.9	2258.3	2261.9	2263.1	2259.5	2252.2	2248.6	2233.0	2204.0	2165.4
12.5°	2376.4	2374.0	2374.0	2371.6	2375.2	2371.6	2364.4	2358.3	2339.1	2301.7	2246.2
15°	2535.6	2525.9	2517.5	2501.8	2497.0	2483.7	2486.2	2482.5	2464.4	2413.8	2343.9
17.5°	2705.6	2704.4	2691.1	2659.8	2628.4	2606.7	2611.5	2610.3	2600.7	2532.0	2442.7
20°	2855.1	2861.1	2849.1	2825.0	2782.8	2741.8	2739.3	2745.4	2733.3	2664.6	2540.4
22.5°	3022.7	3017.9	3005.8	2974.5	2943.1	2899.7	2885.2	2880.4	2875.6	2797.2	2640.5
25°	3181.8	3196.3	3180.6	3151.7	3103.5	3056.4	3044.4	3049.2	3035.9	2932.3	2747.8
27.5°	3383.2	3389.2	3379.6	3339.8	3298.8	3232.5	3209.6	3209.6	3204.7	3058.9	2832.2
30°	3597.8	3614.7	3597.8	3565.3	3523.1	3427.8	3378.4	3373.5	3359.1	3189.1	2931.1
32.5°	3813.6	3825.7	3813.6	3782.3	3734.0	3650.9	3579.7	3568.9	3549.6	3331.3	3032.3
35°	4005.3	4016.2	4013.8	4021.0	3981.2	3876.3	3832.9	3828.1	3777.5	3517.0	3169.8
37.5°	4215.1	4228.4	4210.3	4224.8	4209.1	4110.2	4097.0	4072.8	4000.5	3691.8	3314.5
40°	4453.9	4465.9	4437.0	4443.0	4424.9	4369.5	4301.9	4269.4	4162.1	3881.1	3542.3
42.5°	4709.5	4737.2	4750.5	4739.6	4697.4	4666.1	4547.9	4506.9	4417.7	4222.4	3917.3
45°	5079.6	5120.6	5139.9	5112.2	5094.1	5049.5	4904.8	4855.3	4808.3	4703.4	4440.6
47.5°	5478.7	5516.1	5577.6	5589.6	5604.1	5570.3	5366.6	5318.3	5326.8	5314.7	5084.4
50°	5797.0	5828.3	5967.0	6115.3	6238.3	6247.9	5987.5	5935.7	5981.5	6020.1	5859.7
52.5°	6028.5	6056.2	6239.5	6545.7	6824.3	7030.4	6749.5	6690.4	6727.8	6814.6	6741.1
55°	6216.6	6255.2	6446.9	6917.1	7480.2	7805.7	7626.0	7551.3	7535.6	7642.9	7685.1
57.5°	6315.4	6327.5	6596.4	7207.7	7961.2	8566.5	8644.9	8560.5	8411.0	8470.0	8689.5
60°	6090.0	6110.5	6478.2	7282.4	8341.0	9321.3	9714.3	9644.4	9326.1	9358.6	9601.0
62.5°	5466.6	5495.6	5938.1	6926.7	8372.4	9825.2	10701.8	10657.2	10230.4	10054.3	10126.7
65°	4385.1	4394.8	4852.9	6046.6	7749.0	9887.9	11390.2	11379.4	10862.1	10449.8	10139.9
67.5°	2500.6	2483.7	3096.2	4312.8	6395.0	9072.9	11434.8	11498.7	11067.1	10384.7	9295.9
70°	1083.9	1086.3	1368.5	2128.1	4139.2	7333.1	10621.0	10730.7	10473.9	9300.8	7395.8
72.5°	501.6	508.8	630.6	921.2	1767.6	4549.1	8660.5	8759.4	8538.8	7444.0	5381.0
75°	354.5	360.5	420.8	528.1	812.6	1772.4	5793.4	6000.8	6108.1	5567.9	3546.0
77.5°	268.9	277.3	307.5	366.5	501.6	628.2	2771.9	3266.2	3890.8	3464.0	1826.6
80°	171.2	171.2	203.8	244.8	306.2	326.7	800.6	948.9	1903.8	1427.5	717.4
82.5°	115.7	119.4	138.7	155.5	176.0	185.7	343.6	366.5	549.8	485.9	295.4
85°	61.5	63.9	72.3	71.1	84.4	73.5	144.7	143.5	201.4	220.6	112.1
87.5°	0.0	0.0	1.2	1.2	2.4	3.6	15.7	16.9	42.2	67.5	37.4
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: P641964
CATALOG NUMBER: GWS-SA6B-830-U-T3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2028.0	2028.0	2028.0	2028.0	2028.0	2028.0	2028.0	2028.0	2028.0	2028.0	2028.0
2.5°	2037.6	2023.2	2030.4	2028.0	2035.2	2035.2	2022.0	2018.3	2019.5	2005.1	2000.3
5°	2055.7	2038.8	2042.5	2037.6	2044.9	2050.9	2044.9	2044.9	2052.1	2041.2	2035.2
7.5°	2096.7	2077.4	2077.4	2071.4	2079.8	2084.7	2079.8	2087.1	2100.3	2089.5	2083.4
10°	2161.8	2138.9	2140.1	2132.9	2136.5	2134.1	2114.8	2108.8	2112.4	2102.7	2097.9
12.5°	2246.2	2214.9	2214.9	2200.4	2192.0	2166.6	2126.9	2112.4	2114.8	2106.4	2102.7
15°	2327.0	2298.1	2292.0	2263.1	2224.5	2177.5	2141.3	2131.7	2134.1	2125.6	2119.6
17.5°	2422.2	2384.9	2363.2	2310.1	2239.0	2190.8	2154.6	2131.7	2112.4	2093.1	2088.3
20°	2510.3	2463.2	2423.5	2341.5	2254.7	2188.3	2120.8	2064.2	2017.1	1991.8	1985.8
22.5°	2600.7	2540.4	2470.5	2363.2	2253.5	2144.9	2020.8	1935.1	1865.2	1827.8	1835.1
25°	2686.3	2610.3	2515.1	2383.7	2214.9	2048.5	1879.7	1751.9	1672.3	1643.4	1634.9
27.5°	2757.4	2663.4	2556.1	2374.0	2135.3	1909.8	1686.8	1544.5	1467.3	1434.8	1426.3
30°	2837.0	2730.9	2615.2	2329.4	2009.9	1715.7	1468.5	1352.8	1297.3	1266.0	1267.2
32.5°	2928.6	2817.7	2698.4	2243.8	1849.5	1505.9	1288.9	1209.3	1164.7	1133.4	1128.5
35°	3051.6	2941.9	2753.8	2114.8	1645.8	1313.0	1165.9	1100.8	1045.3	1004.3	995.9
37.5°	3203.5	3128.8	2759.8	1942.4	1427.5	1180.4	1077.9	1008.0	940.4	886.2	880.2
40°	3464.0	3378.4	2710.4	1726.6	1241.9	1094.8	1004.3	923.6	845.2	784.9	776.5
42.5°	3835.3	3659.3	2604.3	1483.0	1102.0	1027.3	934.4	831.9	752.4	710.2	704.1
45°	4308.0	3972.8	2445.2	1253.9	998.3	960.9	860.9	753.6	711.4	681.2	675.2
47.5°	4886.7	4338.1	2261.9	1075.5	917.5	900.7	786.1	727.0	689.7	664.3	658.3
50°	5578.8	4803.5	2111.2	935.6	845.2	830.7	762.0	711.4	681.2	660.7	655.9
52.5°	6368.5	5320.7	2037.6	835.5	782.5	768.0	753.6	707.7	682.4	666.8	660.7
55°	7188.4	5865.7	1968.9	758.4	729.4	737.9	754.8	719.8	700.5	680.0	674.0
57.5°	7980.5	6376.9	1800.1	698.1	690.9	723.4	760.8	731.9	709.0	688.5	681.2
60°	8526.7	6656.7	1514.4	649.9	661.9	705.3	745.1	713.8	684.8	676.4	672.8
62.5°	8673.8	6622.9	1175.6	600.4	627.0	665.5	704.1	683.6	653.5	666.8	668.0
65°	8330.2	6261.2	882.6	552.2	581.1	613.7	661.9	653.5	642.6	678.8	680.0
67.5°	*7357.2*	*5372.6*	*672.8*	*510.0*	*534.1*	*573.9*	*648.7*	*683.6*	*686.0*	*731.9*	*727.0*
70°	5566.7	4013.8	526.9	470.2	498.0	573.9	690.9	706.5	677.6	719.8	710.2
72.5°	3848.6	2648.9	448.5	435.3	453.3	547.4	689.7	689.7	658.3	658.3	640.2
75°	2390.9	1557.8	390.6	390.6	390.6	478.7	670.4	635.4	579.9	554.6	540.2
77.5°	1180.4	757.2	327.9	340.0	326.7	400.3	547.4	519.7	485.9	459.4	449.7
80°	504.0	378.6	265.3	278.5	262.8	301.4	434.1	428.0	395.5	360.5	349.7
82.5°	231.5	195.3	212.2	218.2	191.7	226.7	317.1	317.1	299.0	250.8	232.7
85°	98.9	103.7	147.1	147.1	120.6	127.8	170.0	161.6	144.7	118.2	108.5
87.5°	33.8	50.6	74.8	65.1	25.3	10.9	6.0	2.4	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

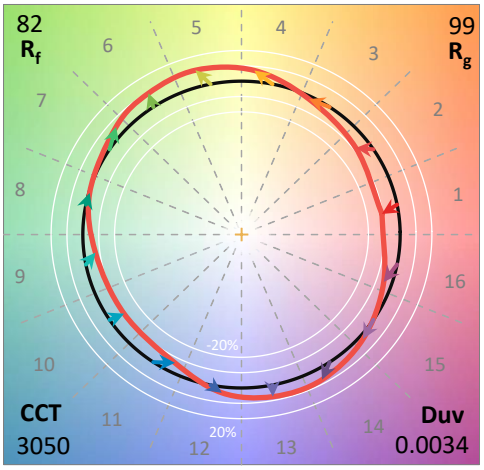
Test Information

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

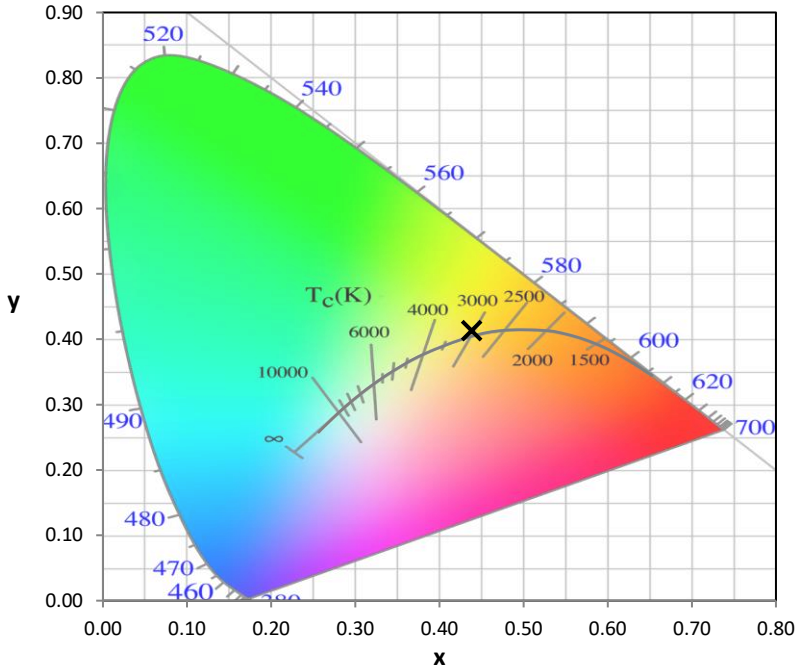
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

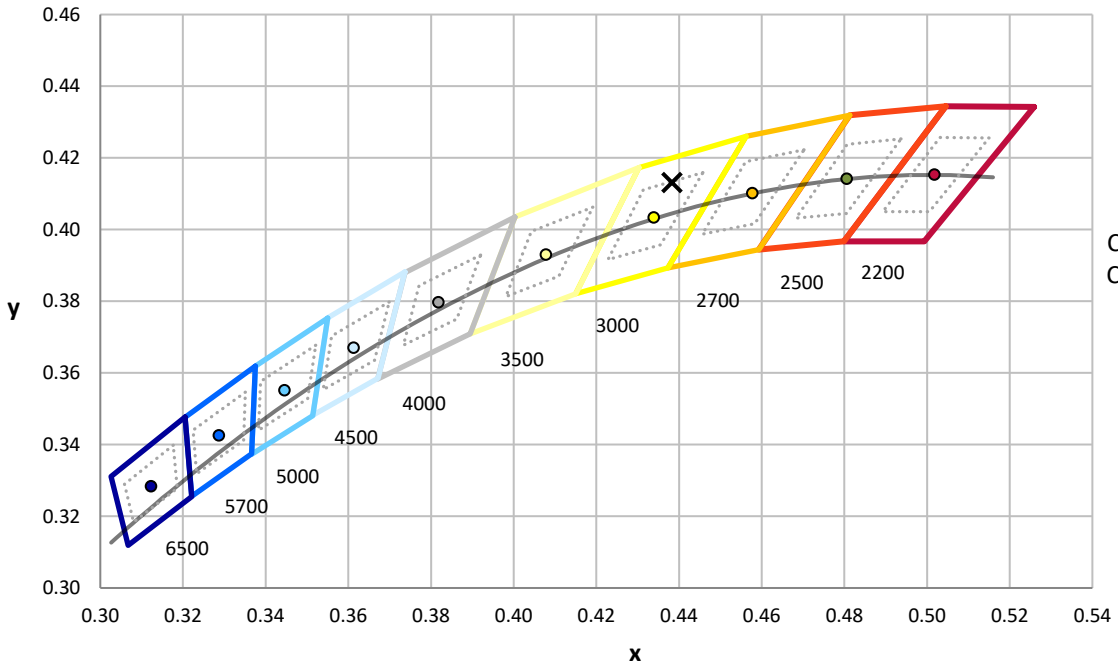
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

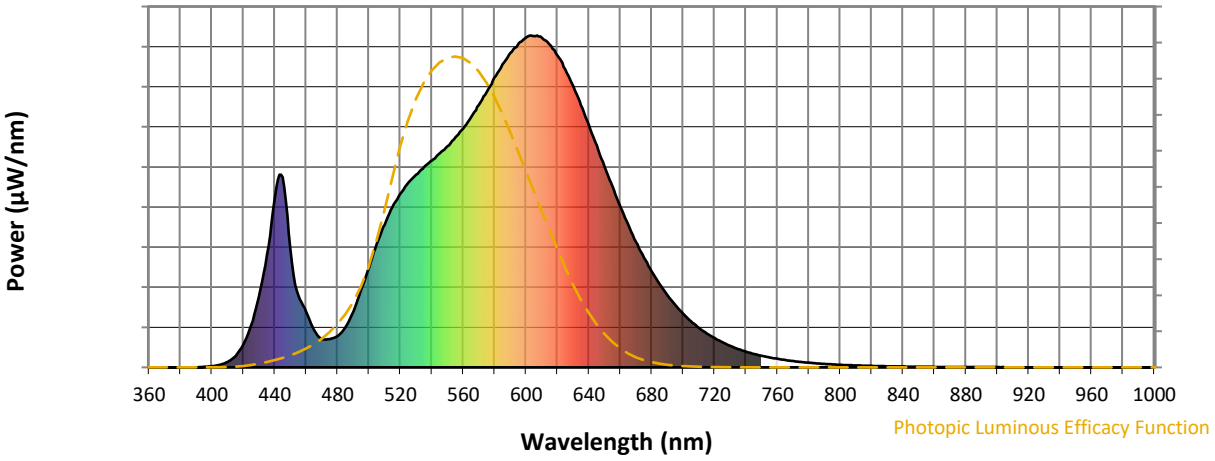


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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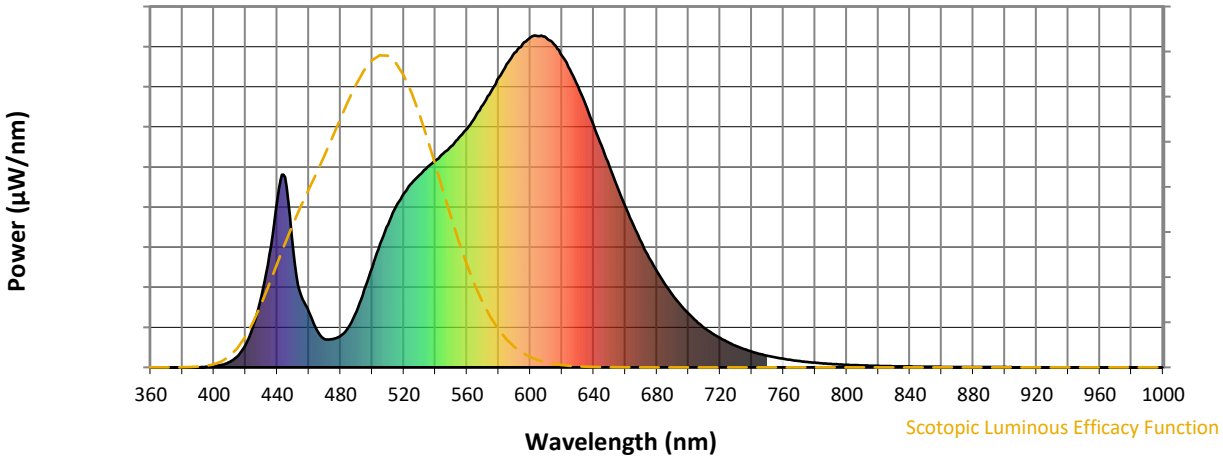
Scotopic Flux vs. Wavelength



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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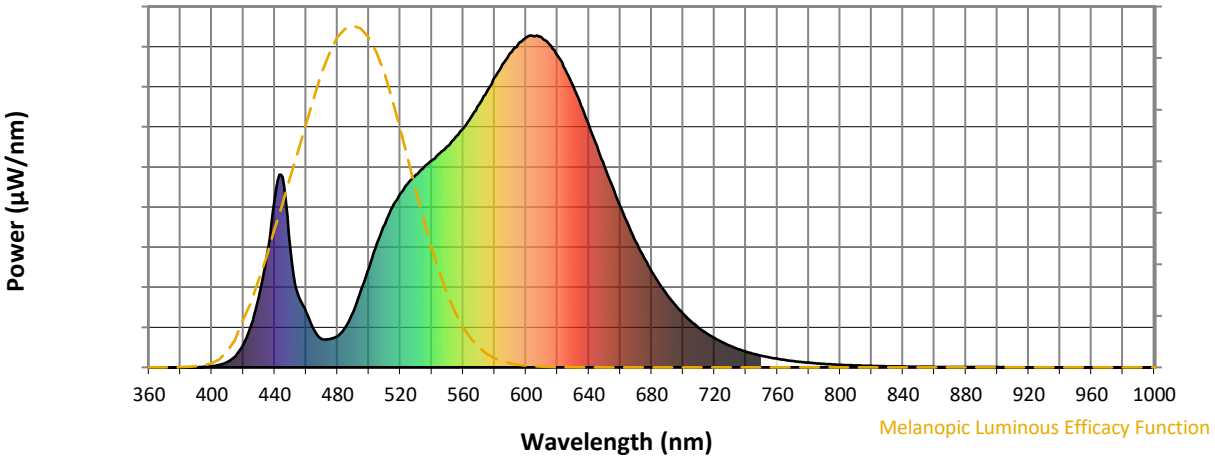
Melanopic Flux vs. Wavelength



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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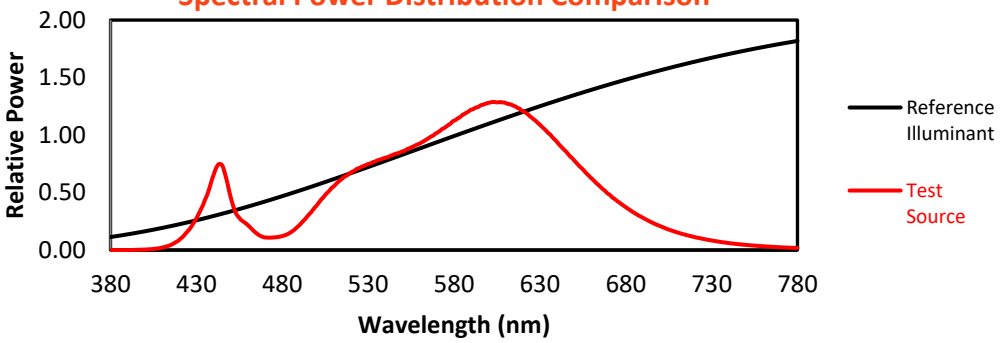
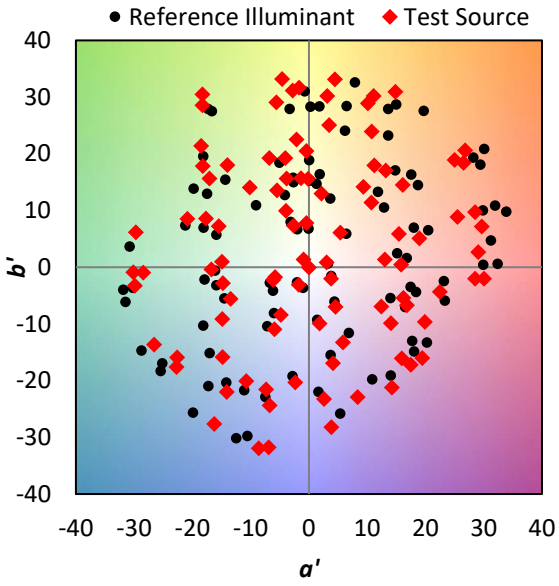
Summary

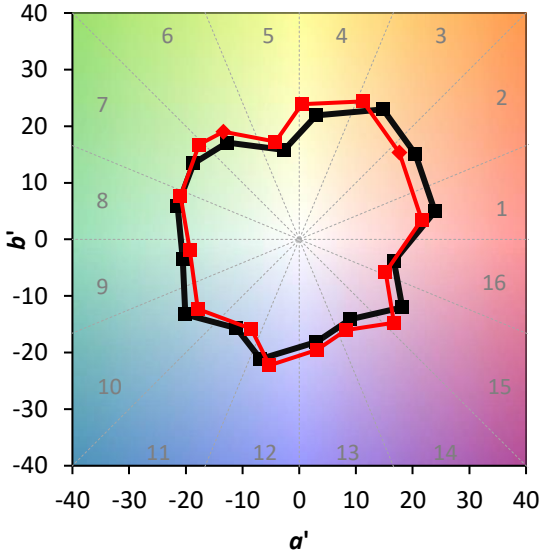
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

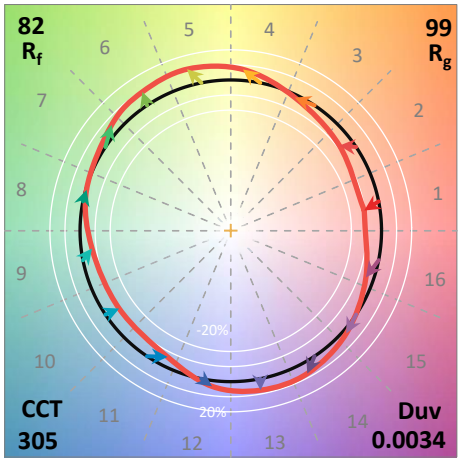
Spectral Power Distribution Comparison

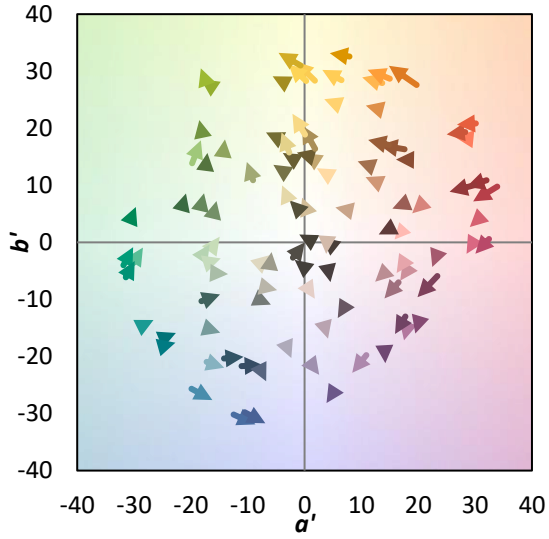


Color Vector Graphics









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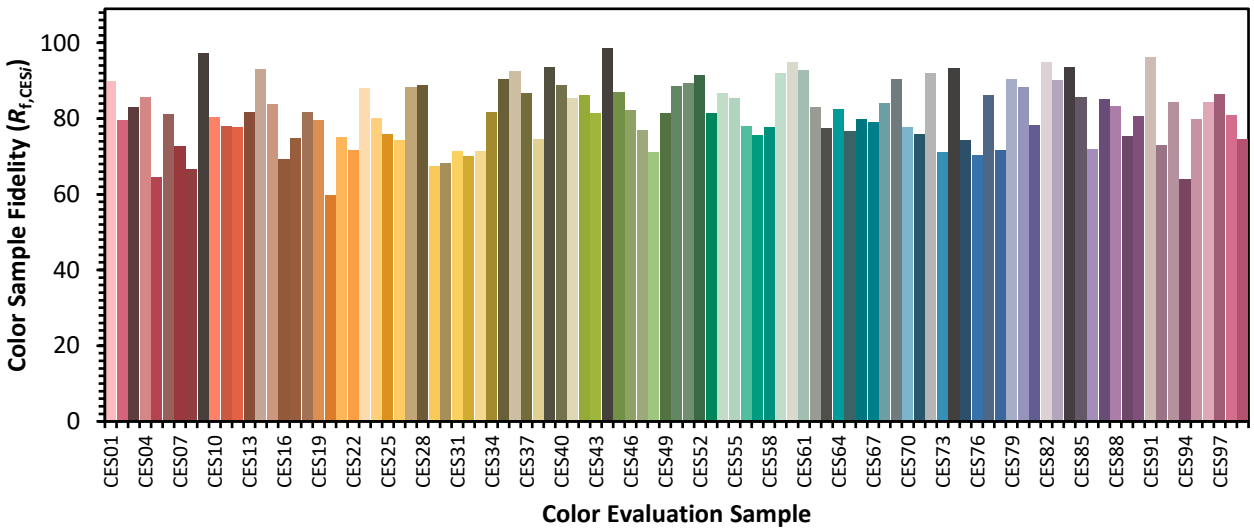
Individual Sample Fidelity Index ($R_{f,i}$)

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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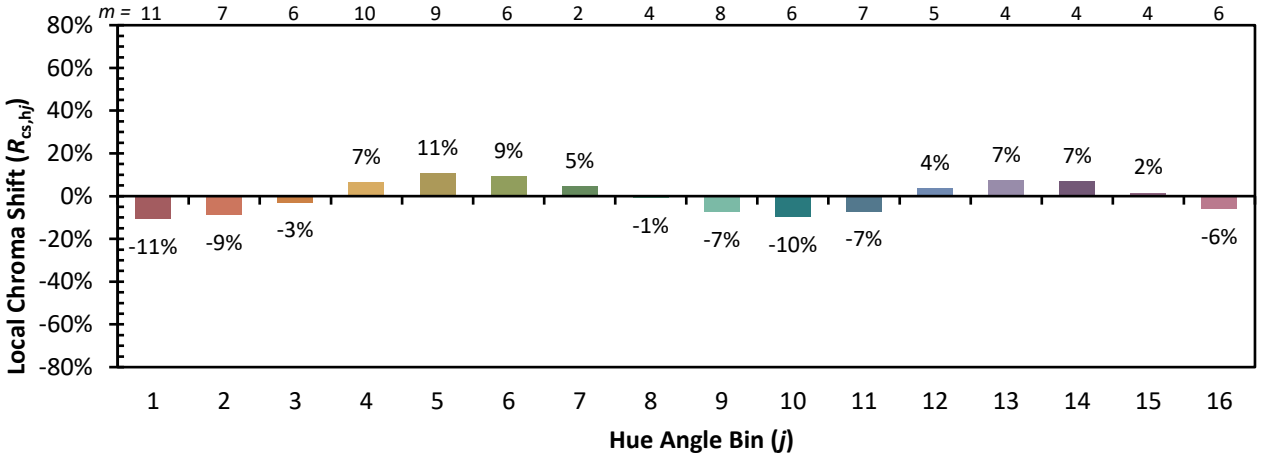
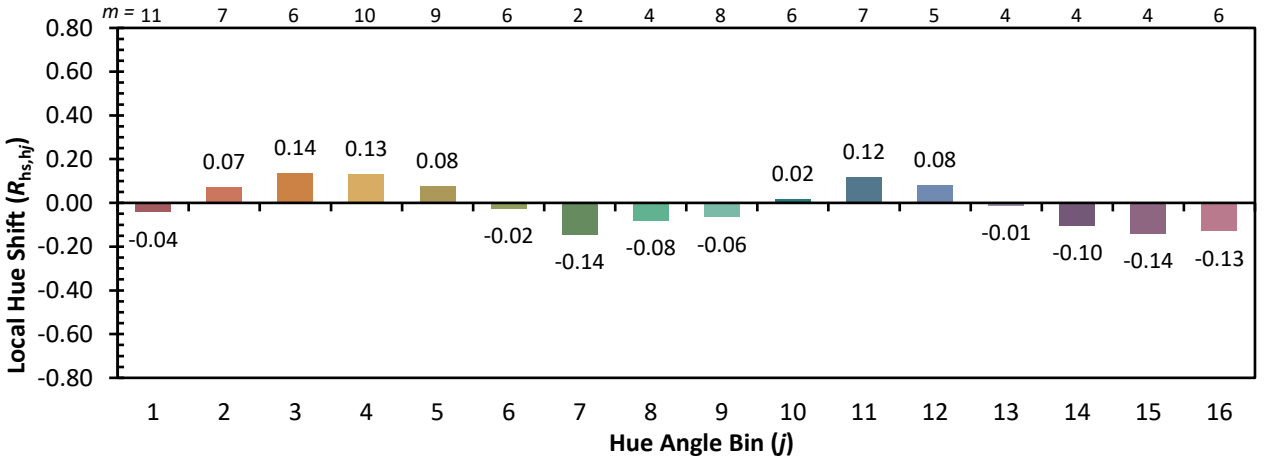
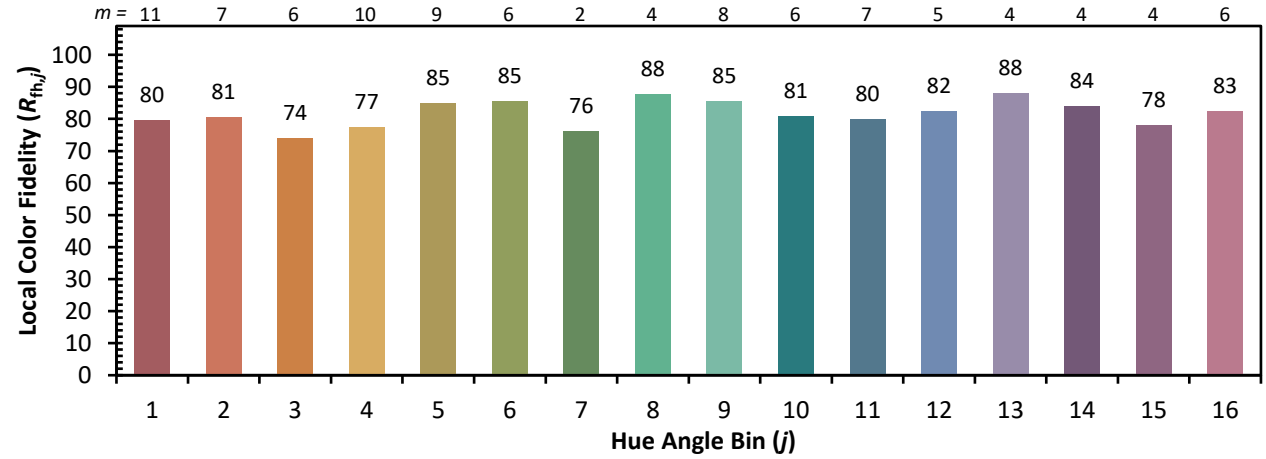
Color Rendition by Hue-Angle Bin







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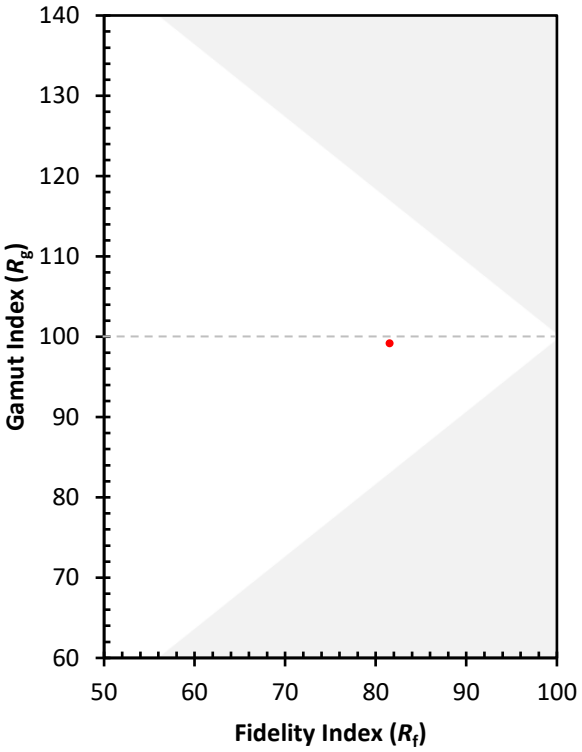
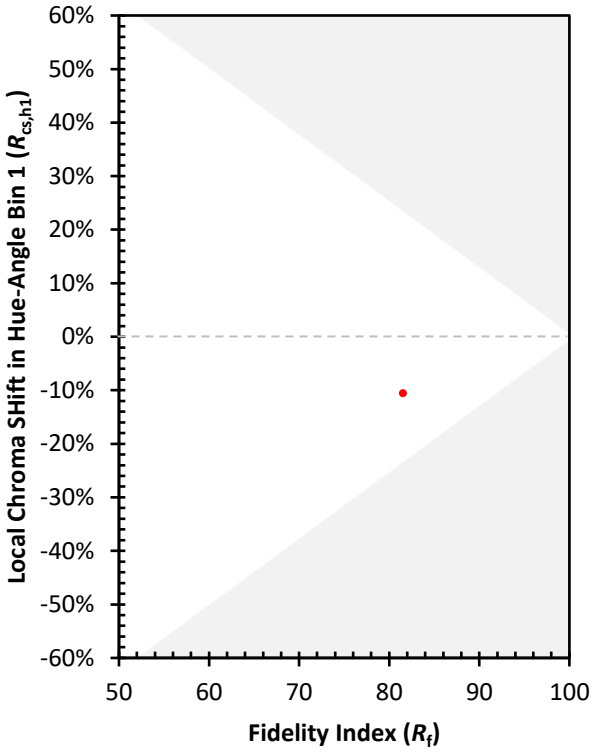
Measure Comparisons





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