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: P641956

Luminaire Tested: GWS-SA6B-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:	P641956
	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-SA6B-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:	16687.2 lumens
Efficiency:	N/A
Efficacy:	120.1 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Medium
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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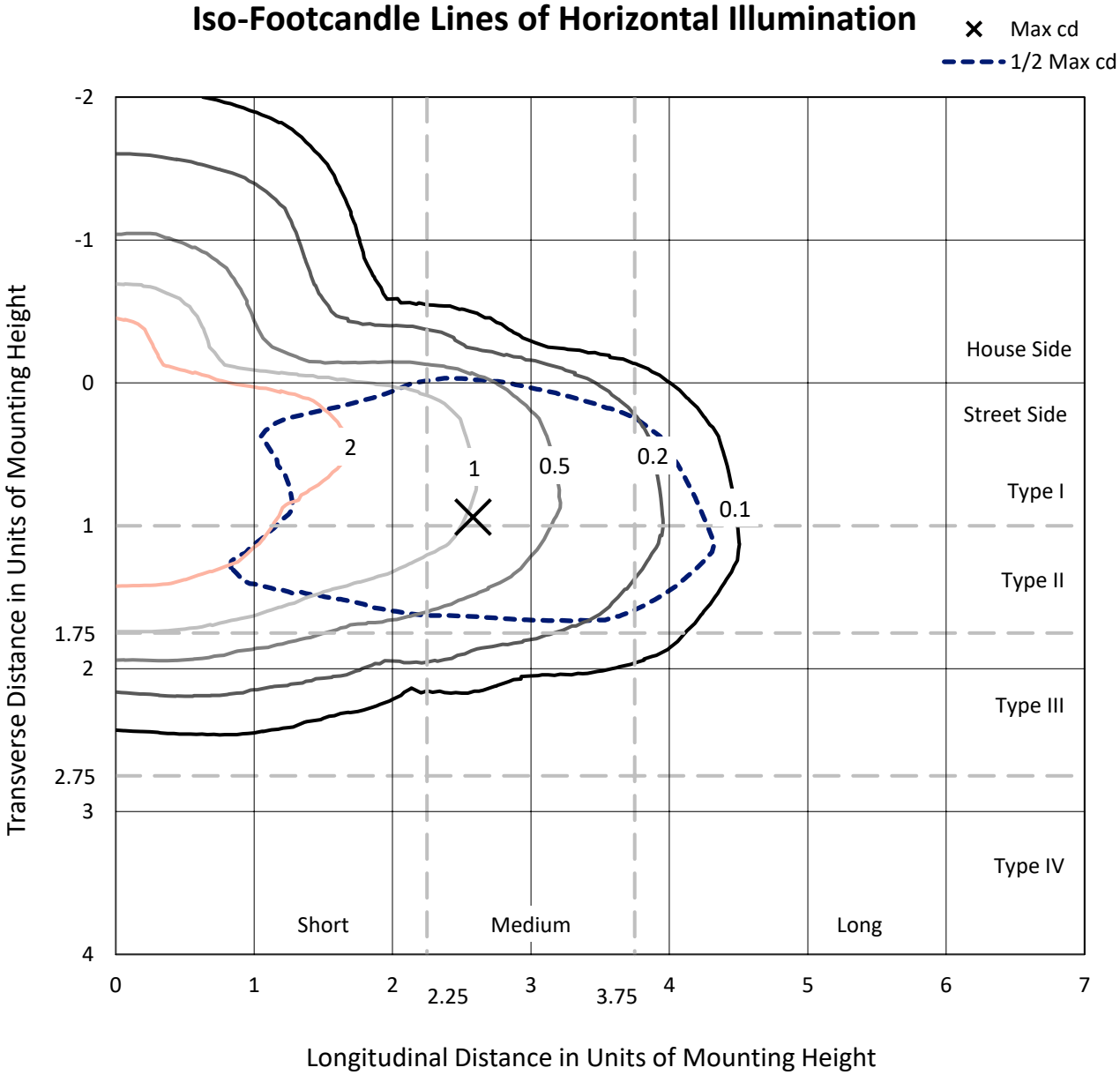
Scaled Data Report

REPORT NUMBER: P641956
CATALOG NUMBER: GWS-SA6B-830-U-T2-W

Iso-Footcandle Lines of Horizontal Illumination



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

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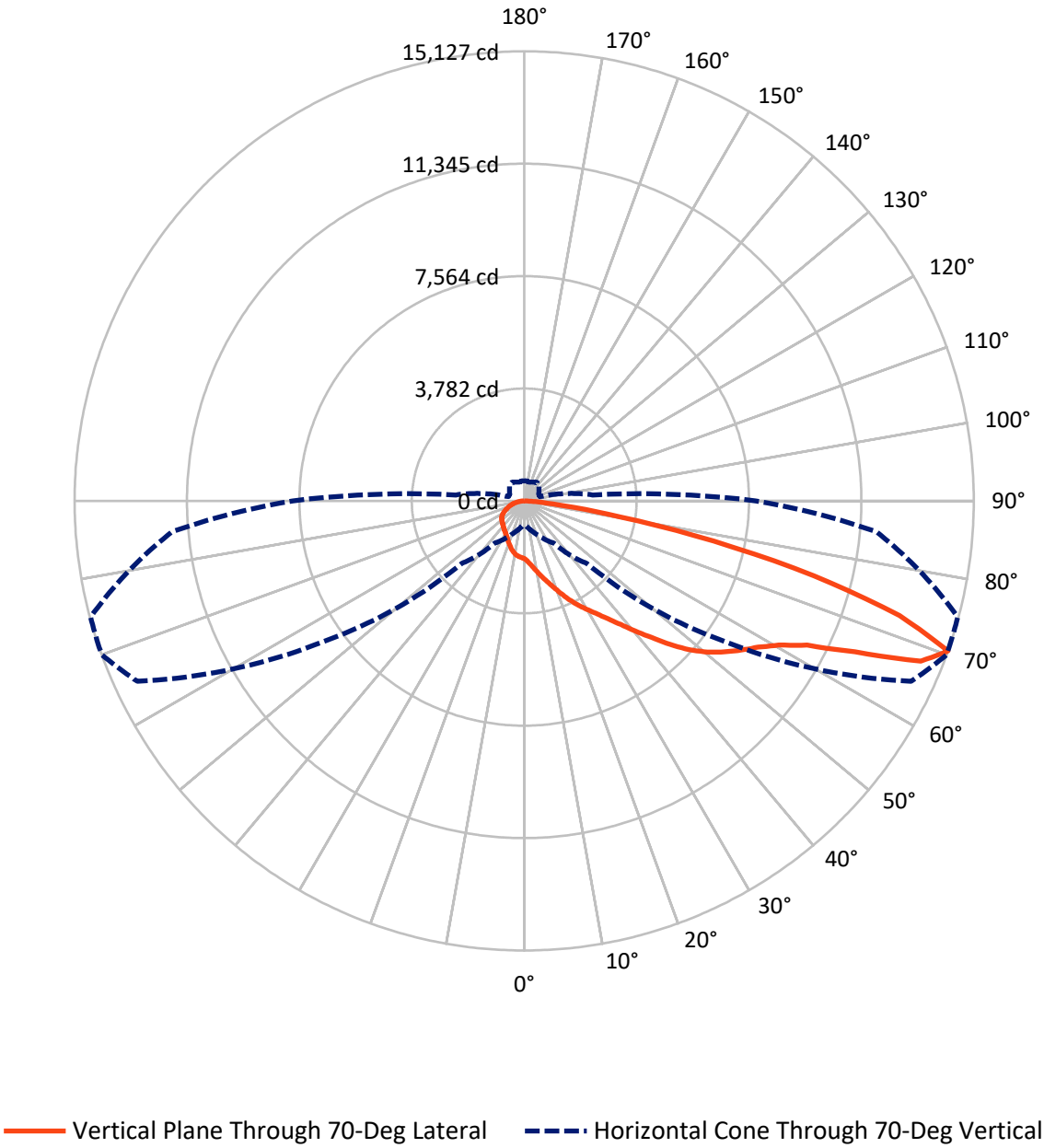
Luminous Intensity Polar Plot



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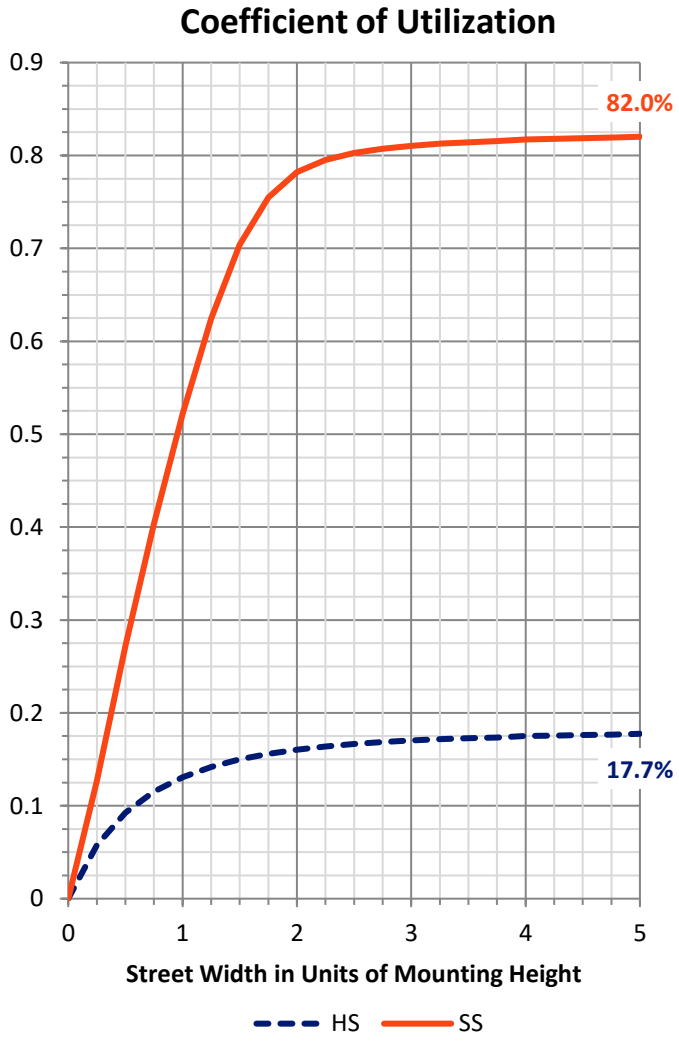
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2990.4	0.0	2990.4
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	13696.8	0.0	13696.8
	% Fixture	82.1	0.0	82.1
Total	Lumens	16687.2	0.0	16687.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.8	1.2
10°-20°	643.4	3.9
20°-30°	1139.9	6.8
30°-40°	1715.5	10.3
40°-50°	2595.4	15.6
50°-60°	3718.0	22.3
60°-70°	4109.8	24.6
70°-80°	2319.3	13.9
80°-90°	248.1	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°	16687.2	100.0
0°-180°	16687.2	100.0



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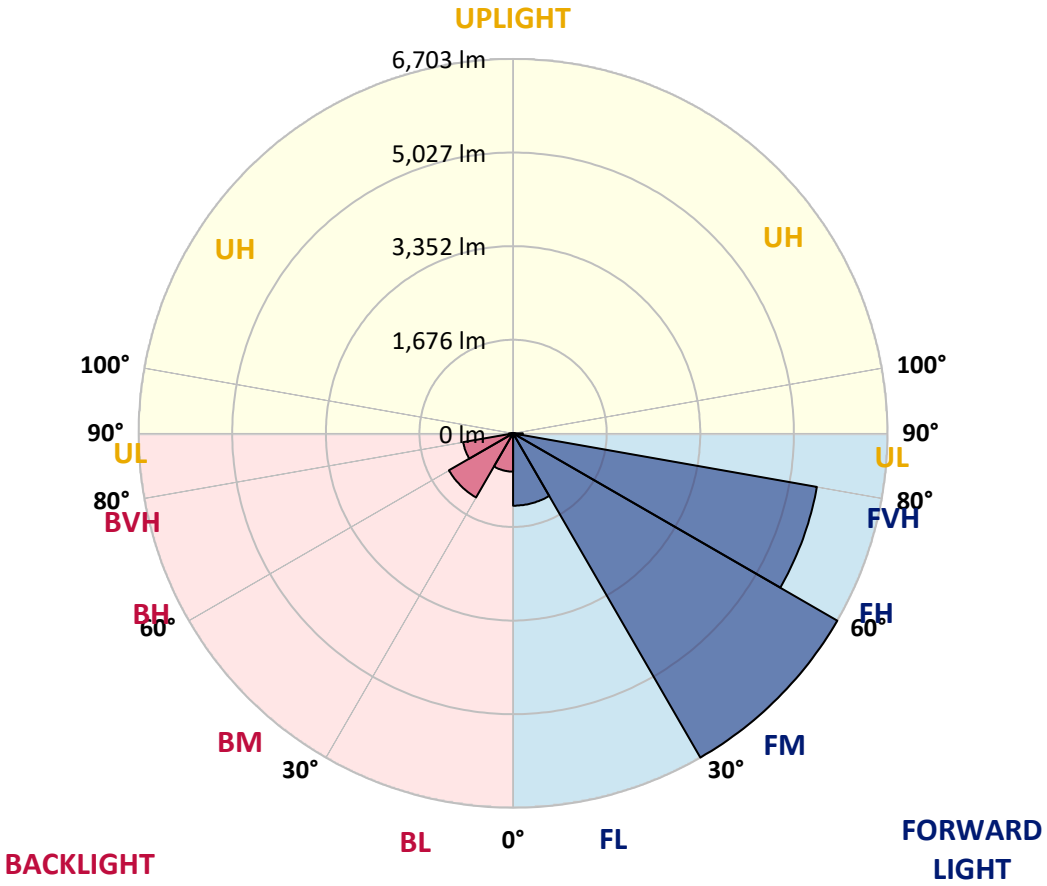
CATALOG NUMBER: GWS-SA6B-830-U-T2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1295.4	7.8			
FM	(30°-60°)	6703.2	40.2			
FH	(60°-80°)	5522.8	33.1			G3/7500
FVH	(80°-90°)	175.4	1.1			G2/225
BL	(0°-30°)	685.7	4.1	B2/1000		
BM	(30°-60°)	1325.7	7.9	B2/2500		
BH	(60°-80°)	906.4	5.4	B2/1000		G2/1000
BVH	(80°-90°)	72.7	0.4			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 II Medium



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REPORT NUMBER: P641956
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1946.1	1946.1	1946.1	1946.1	1946.1	1946.1	1946.1	1946.1	*1946.1*	1946.1	1946.1
2.5°	2155.9	2152.3	2154.7	2152.3	2139.0	2106.4	2079.9	2046.1	*2023.2*	2010.0	1978.6
5°	2409.1	2405.5	2397.0	2385.0	2360.8	2316.2	2249.9	2176.4	*2131.8*	2098.0	2031.7
7.5°	2591.1	2591.1	2589.9	2575.5	2558.6	2511.6	2433.2	2336.7	*2271.6*	2213.7	2105.2
10°	2684.0	2690.0	2698.5	2719.0	2715.3	2690.0	2616.5	2512.8	*2430.8*	2363.3	2201.7
12.5°	2734.6	2738.2	2752.7	2794.9	2838.3	2844.4	2800.9	2692.4	*2603.2*	2512.8	2309.0
15°	2799.7	2800.9	2820.2	2870.9	2934.8	2998.7	2987.8	2879.3	*2787.7*	2687.6	2428.4
17.5°	2850.4	2858.8	2893.8	2952.9	3032.4	3120.5	3173.5	3106.0	*2992.7*	2878.1	2558.6
20°	2868.5	2874.5	2920.3	3010.7	3119.3	3243.5	3361.6	3343.5	*3229.0*	3093.9	2705.7
22.5°	2933.6	2933.6	2967.3	3043.3	3171.1	3352.0	3543.7	3590.7	*3489.4*	3331.5	2863.6
25°	3077.1	3072.2	3087.9	3119.3	3215.7	3438.8	3723.3	3864.4	*3751.1*	3573.8	3021.6
27.5°	3273.6	3271.2	3270.0	3274.8	3307.4	3514.7	3875.3	4120.0	*4006.7*	3806.5	3162.7
30°	3487.0	3479.8	3495.5	3481.0	3473.8	3605.2	4004.3	4349.1	*4261.1*	4036.8	3279.6
32.5°	3777.6	3764.3	3760.7	3713.7	3684.8	3746.3	4108.0	4609.6	*4539.6*	4285.2	3411.1
35°	4161.0	4149.0	4087.5	4012.7	3927.1	3956.1	4237.0	4864.0	*4868.8*	4596.3	3583.5
37.5°	4548.1	4550.5	4502.3	4326.2	4238.2	4221.3	4433.5	5173.9	*5277.5*	4967.7	3806.5
40°	4870.0	4884.5	4884.5	4698.8	4567.4	4551.7	4709.6	5541.6	*5747.8*	5423.4	4088.7
42.5°	5114.8	5128.0	5170.2	5036.4	4897.7	4952.0	5044.8	5910.6	*6280.7*	5986.5	4445.6
45°	5383.7	5394.5	5417.4	5340.2	5259.5	5404.2	5424.6	6351.9	*6890.8*	6618.3	4860.4
47.5°	5740.6	5730.9	5733.3	5676.6	5614.0	5847.9	5843.0	6723.2	*7480.4*	7310.4	5310.1
50°	6184.3	6202.4	6185.5	6073.3	5999.8	6213.2	6240.9	7134.4	*7998.9*	7995.3	5763.5
52.5°	6611.1	6618.3	6707.6	6712.4	6561.7	6517.1	6589.4	7549.2	*8436.6*	8622.3	6198.7
55°	6632.8	6660.5	6928.2	7121.1	7364.7	7006.6	6941.5	7944.7	*8859.8*	9236.0	6650.9
57.5°	6171.0	6215.6	6670.2	7086.2	7763.8	7847.0	7544.3	8455.9	*9283.0*	9840.1	7174.2
60°	5184.7	5277.5	5894.9	6531.5	7584.1	8451.1	8777.8	9150.4	*9838.9*	10457.4	7809.6
62.5°	3311.0	3347.1	4212.9	5278.8	6775.1	8392.0	10121.0	10374.2	*10685.3*	11261.7	8788.7
65°	1657.9	1773.7	2281.3	3150.6	4885.7	7394.8	10799.9	12615.7	*12234.7*	12638.6	10375.4
67.5°	1125.0	1162.3	1419.2	1893.0	2864.9	5239.0	10379.1	14503.9	*14391.8*	14458.1	12067.1
70°	*829.6*	*853.7*	*1056.2*	*1340.8*	*1732.7*	*2974.6*	*8263.0*	*14361.6*	*15127.3*	*15103.2*	*11889.9*
72.5°	605.3	617.3	770.5	1023.7	1284.1	1538.5	5046.0	11601.7	*13205.3*	13901.0	10398.3
75°	440.1	454.6	535.4	765.6	998.4	959.8	2491.1	8379.9	*10070.4*	11408.8	8471.6
77.5°	328.0	346.0	383.4	479.9	699.3	687.3	1076.7	5441.5	*6513.4*	7451.5	5146.1
80°	236.3	239.9	261.6	307.5	443.7	402.7	512.4	2837.1	*3253.1*	3564.2	2017.2
82.5°	143.5	147.1	174.8	189.3	274.9	253.2	266.5	918.8	*1316.7*	1397.5	753.6
85°	42.2	44.6	79.6	86.8	114.5	108.5	107.3	373.8	*446.1*	570.3	296.6
87.5°	0.0	0.0	0.0	0.0	1.2	7.2	13.3	66.3	*100.1*	138.7	72.3
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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Scaled Data Report

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CATALOG NUMBER: GWS-SA6B-830-U-T2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1946.1	1946.1	1946.1	1946.1	1946.1	1946.1	1946.1	1946.1	1946.1	1946.1	1946.1
2.5°	1966.6	1938.8	1924.4	1899.0	1881.0	1862.9	1844.8	1827.9	1820.7	1809.8	1812.2
5°	2001.5	1958.1	1914.7	1865.3	1823.1	1788.1	1756.8	1729.0	1717.0	1706.1	1711.0
7.5°	2054.6	1989.5	1906.3	1815.9	1749.5	1701.3	1668.8	1649.5	1643.4	1635.0	1635.0
10°	2122.1	2024.4	1878.6	1749.5	1670.0	1631.4	1616.9	1615.7	1621.7	1622.9	1620.5
12.5°	2196.9	2058.2	1837.6	1671.2	1603.6	1591.6	1602.4	1622.9	1643.4	1654.3	1651.9
15°	2274.0	2079.9	1767.6	1596.4	1555.4	1571.1	1606.1	1647.0	1686.8	1707.3	1706.1
17.5°	2346.4	2084.7	1677.2	1524.1	1513.2	1553.0	1613.3	1677.2	1731.5	1760.4	1761.6
20°	2427.2	2076.3	1584.3	1459.0	1471.0	1536.1	1615.7	1692.9	1756.8	1785.7	1792.9
22.5°	2500.7	2047.4	1493.9	1397.5	1434.8	1515.6	1596.4	1668.8	1725.4	1753.2	1762.8
25°	2567.0	1991.9	1395.0	1345.6	1407.1	1486.7	1548.2	1598.8	1638.6	1655.5	1668.8
27.5°	2603.2	1908.7	1320.3	1304.6	1380.6	1445.7	1479.4	1495.1	1508.4	1503.6	1513.2
30°	2610.4	1805.0	1255.2	1272.1	1340.8	1389.0	1396.3	1380.6	1357.7	1320.3	1328.7
32.5°	2603.2	1685.6	1200.9	1237.1	1296.2	1325.1	1315.5	1274.5	1219.0	1161.1	1164.8
35°	2605.6	1565.1	1156.3	1198.5	1244.3	1260.0	1235.9	1179.2	1120.1	1067.1	1064.7
37.5°	2632.1	1463.8	1118.9	1161.1	1193.7	1196.1	1169.6	1110.5	1080.3	1040.6	1035.7
40°	2705.7	1389.0	1085.2	1123.8	1144.3	1143.0	1112.9	1070.7	1091.2	1077.9	1074.3
42.5°	2826.3	1343.2	1057.4	1084.0	1098.4	1100.8	1076.7	1050.2	1094.8	1077.9	1071.9
45°	3020.4	1340.8	1038.1	1044.2	1067.1	1084.0	1067.1	1036.9	1053.8	971.8	956.2
47.5°	3250.7	1381.8	1023.7	1009.2	1049.0	1079.1	1052.6	1004.4	969.4	894.7	883.8
50°	3528.0	1465.0	1010.4	971.8	1022.5	1061.1	1034.5	968.2	915.2	875.4	869.3
52.5°	3857.2	1574.7	993.5	929.6	982.7	1051.4	1034.5	964.6	894.7	858.5	852.5
55°	4202.0	1701.3	974.2	879.0	938.1	1053.8	1043.0	939.3	879.0	859.7	854.9
57.5°	4630.1	1853.2	939.3	819.9	898.3	1032.1	1009.2	924.8	868.1	852.5	847.6
60°	5185.9	2078.7	873.0	759.6	852.5	993.5	979.1	900.7	839.2	825.9	822.3
62.5°	6066.1	2460.9	792.2	701.7	798.2	912.7	934.5	854.9	803.0	801.8	800.6
65°	7500.9	2920.3	696.9	649.9	741.5	846.4	875.4	807.8	765.6	778.9	777.7
67.5°	8506.5	2960.1	618.5	595.6	675.2	774.1	816.3	759.6	713.8	739.1	737.9
70°	*7791.5*	*2309.0*	*551.0*	*539.0*	*604.1*	*695.7*	*752.4*	*699.3*	*653.5*	*677.6*	*672.8*
72.5°	6571.3	1770.0	487.1	479.9	531.7	613.7	670.4	639.0	590.8	590.8	580.0
75°	5281.2	1460.2	419.6	416.0	450.9	530.5	594.4	541.4	496.8	494.4	487.1
77.5°	3028.8	957.4	352.1	349.7	360.5	443.7	461.8	450.9	417.2	401.5	396.7
80°	1207.0	498.0	277.3	261.6	272.5	325.6	364.1	346.0	317.1	297.8	287.0
82.5°	467.8	249.6	195.3	171.2	186.9	235.1	264.1	258.0	238.7	195.3	183.3
85°	190.5	121.8	117.0	98.9	108.5	126.6	151.9	131.4	108.5	77.2	73.6
87.5°	50.6	44.6	43.4	26.5	20.5	6.0	1.2	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

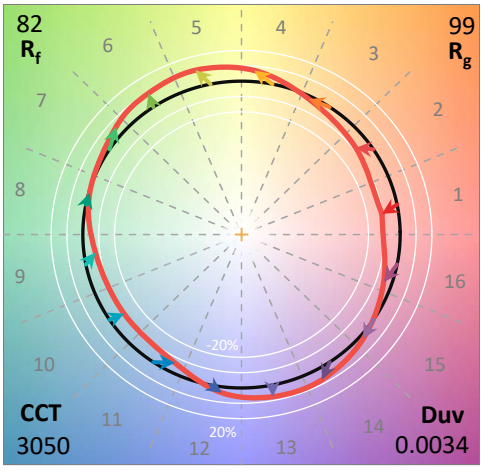
Test Information

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

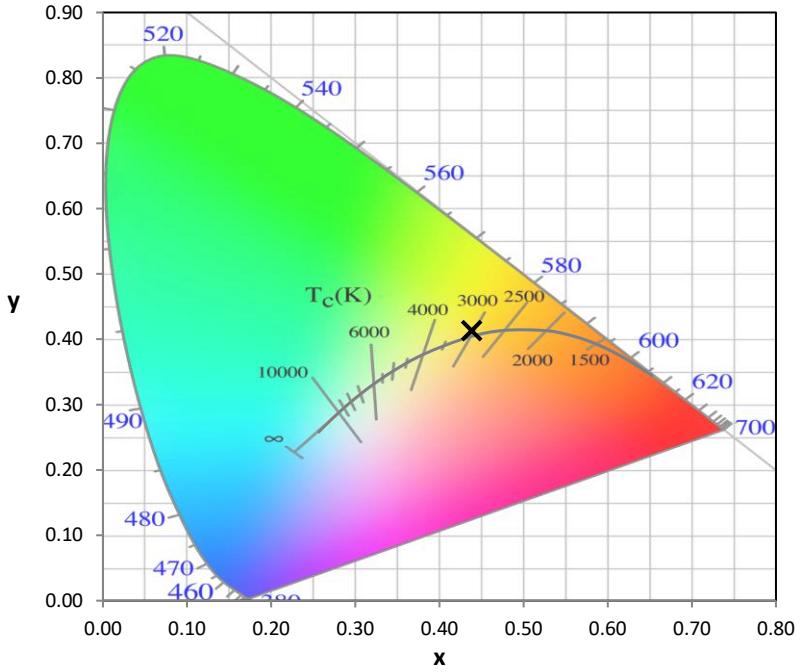
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

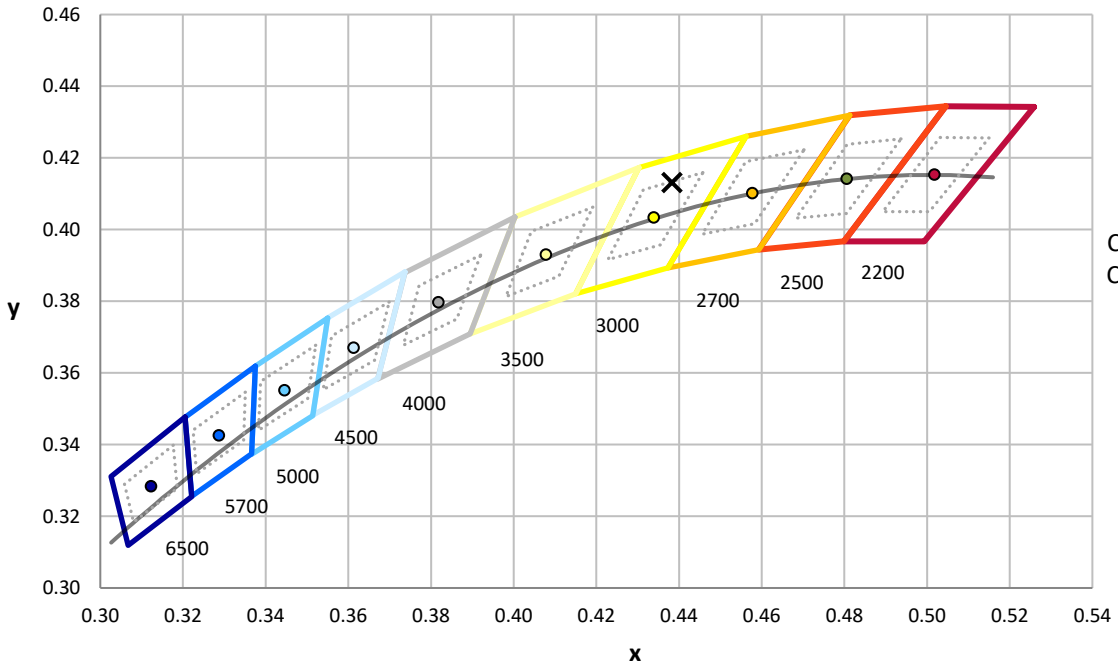
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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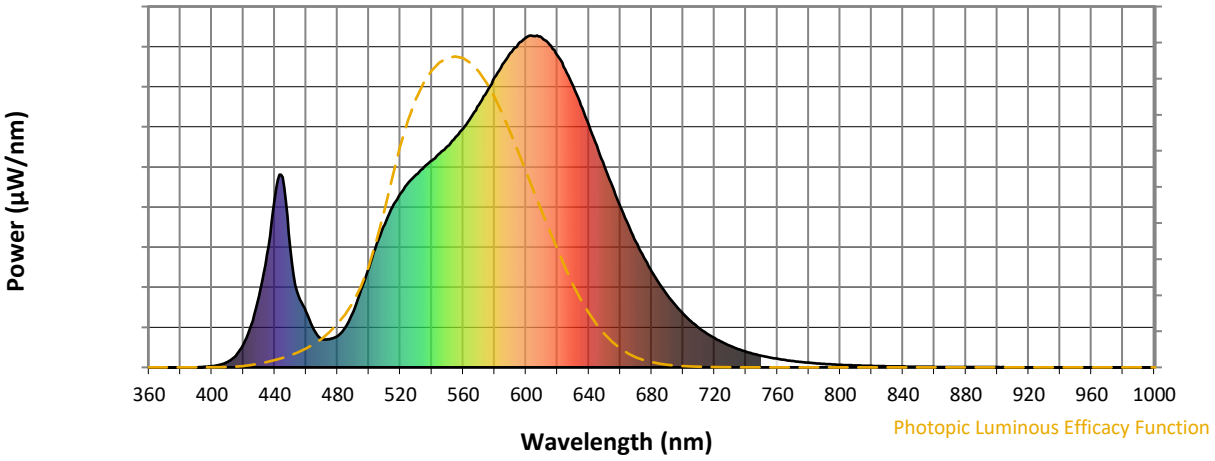
Photopic Flux vs. Wavelength



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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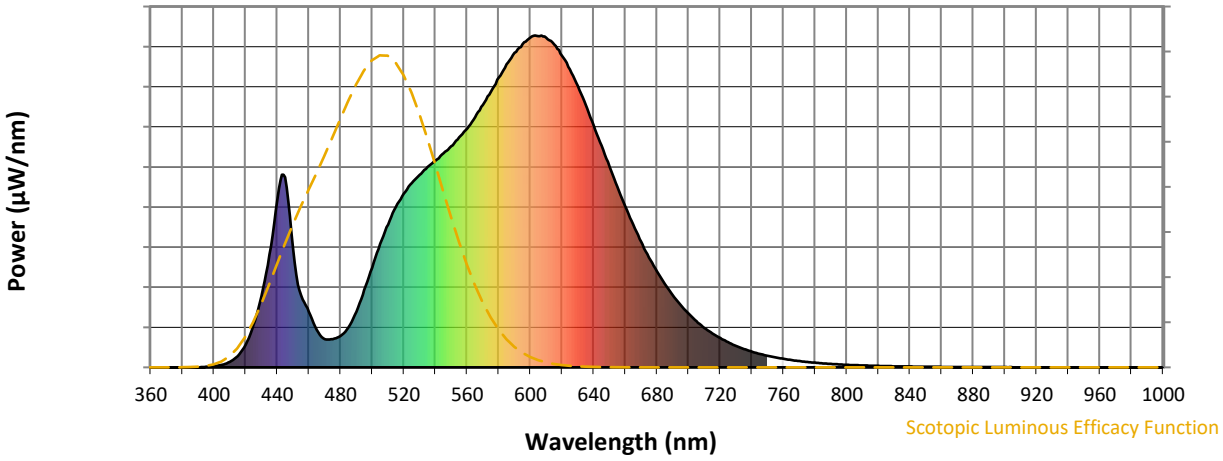
Scotopic Flux vs. Wavelength



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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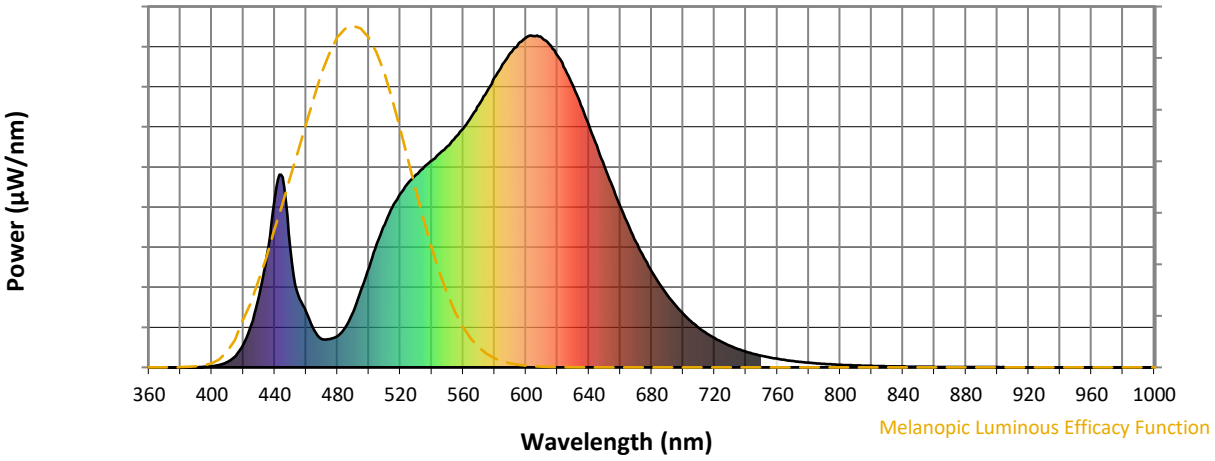
Melanopic Flux vs. Wavelength



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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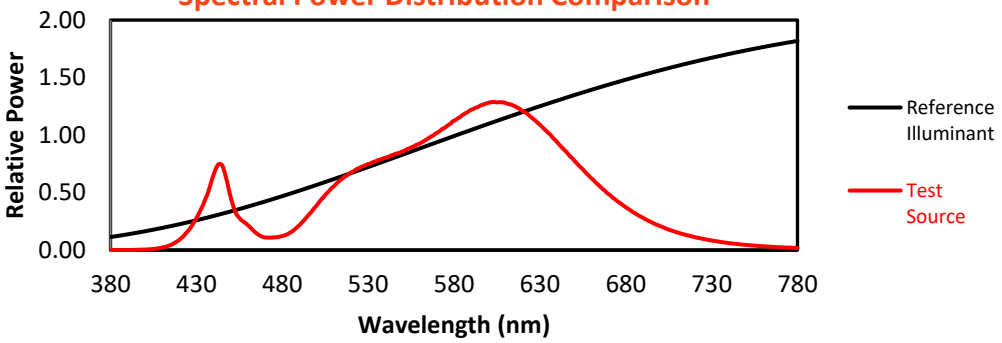
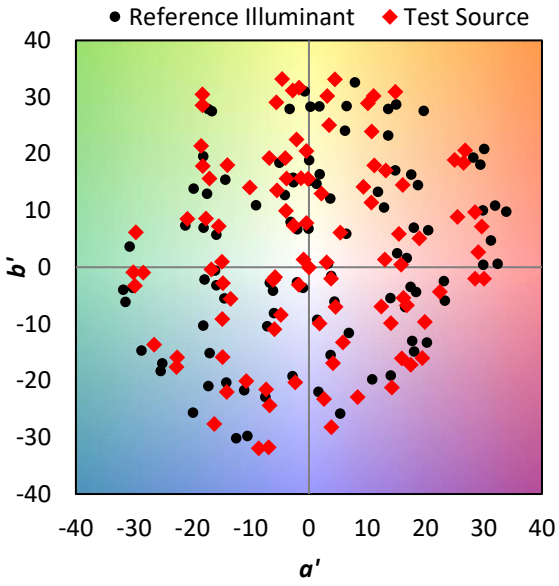
Summary

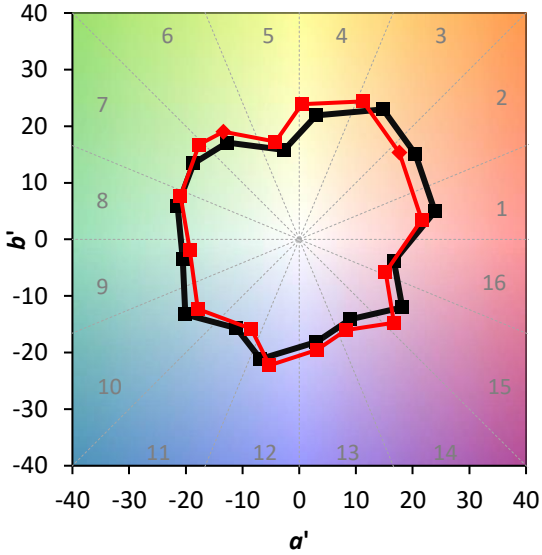
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

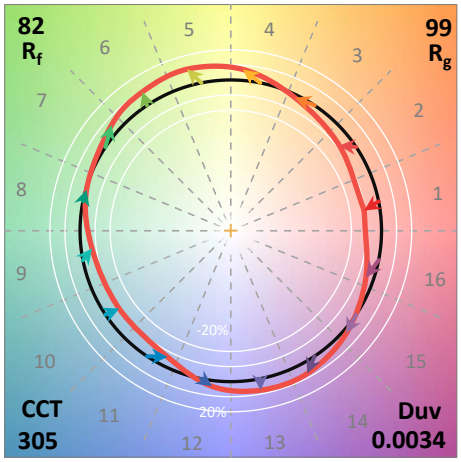
Spectral Power Distribution Comparison

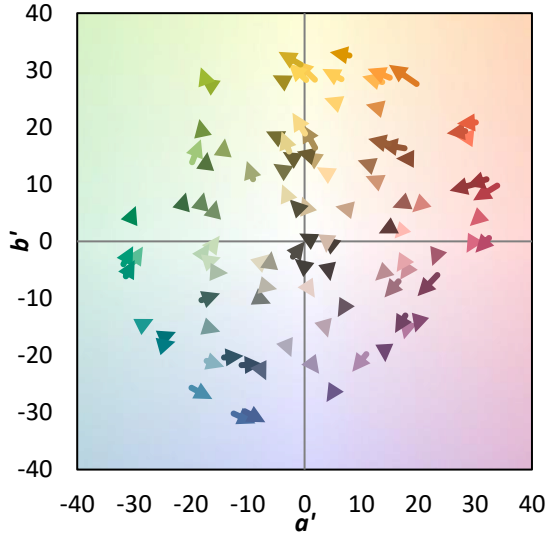


Color Vector Graphics









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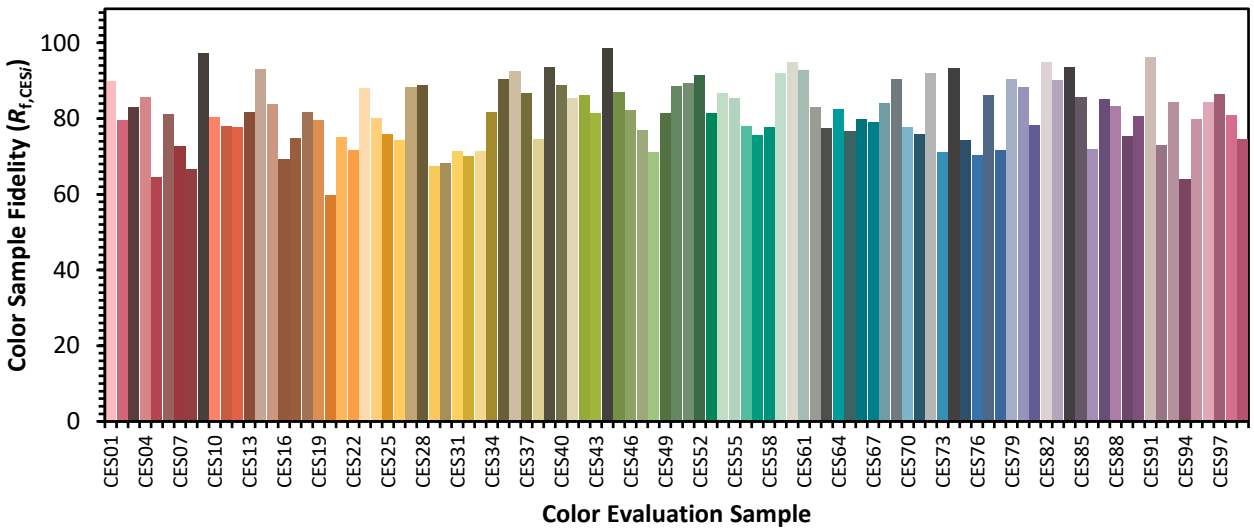
Individual Sample Fidelity Index ($R_{f,i}$)

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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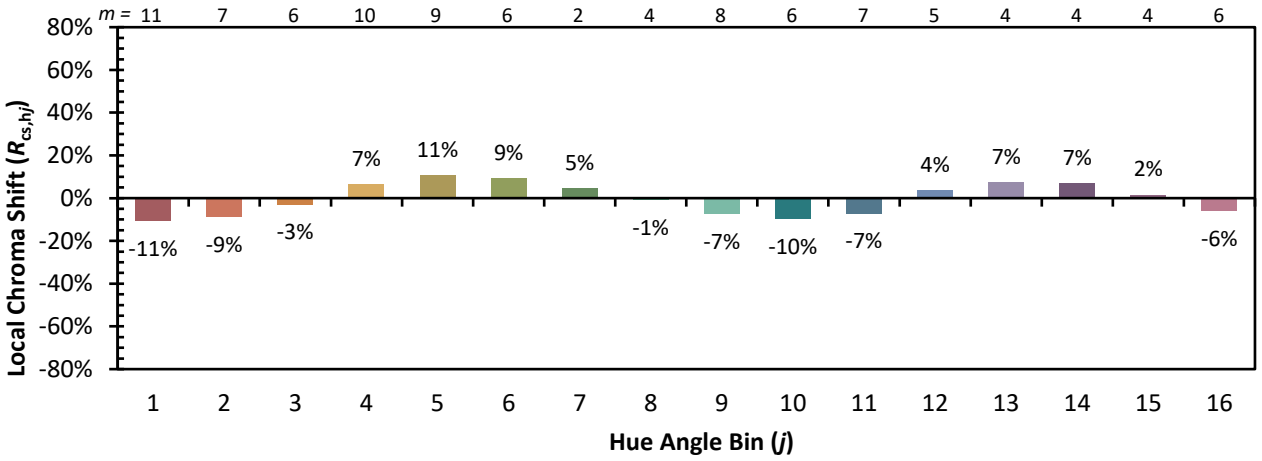
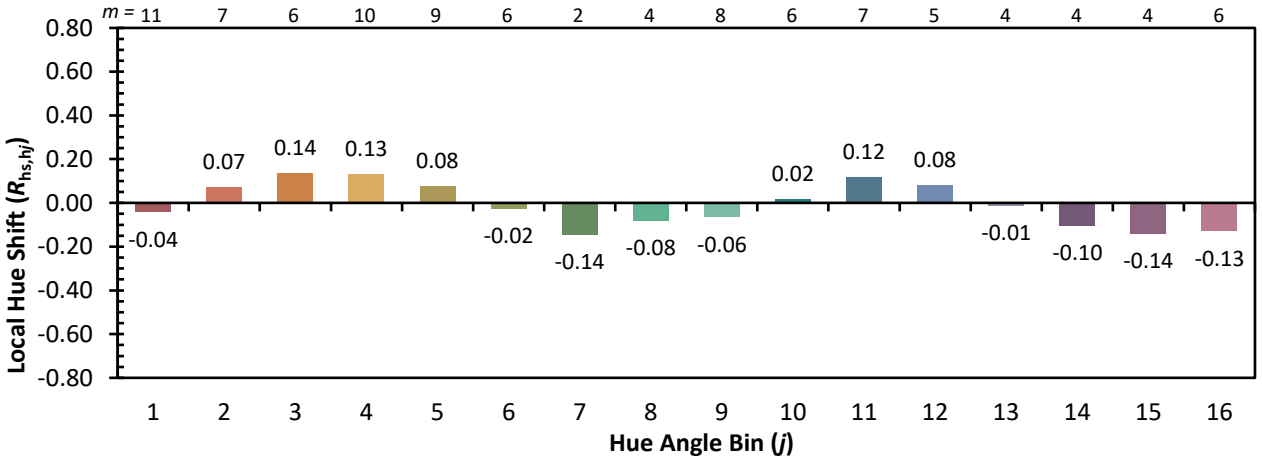
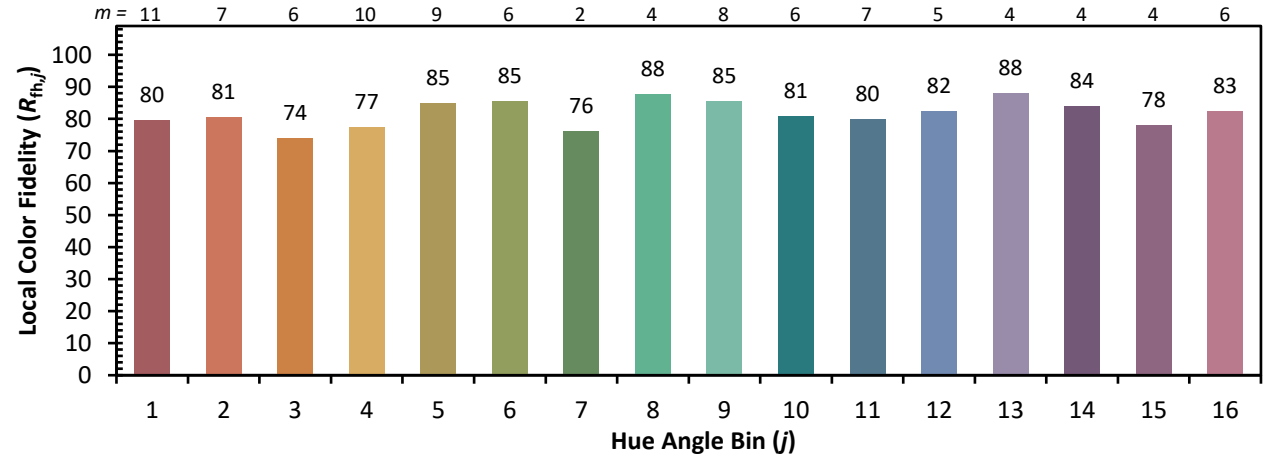
Color Rendition by Hue-Angle Bin







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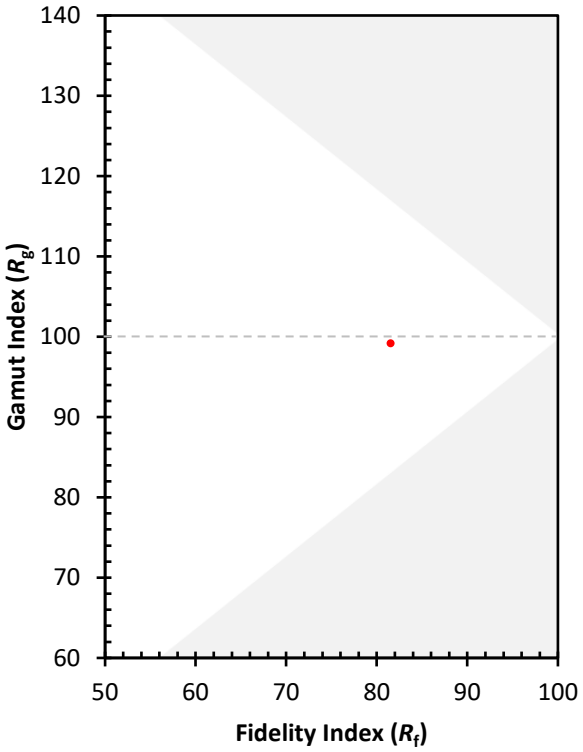
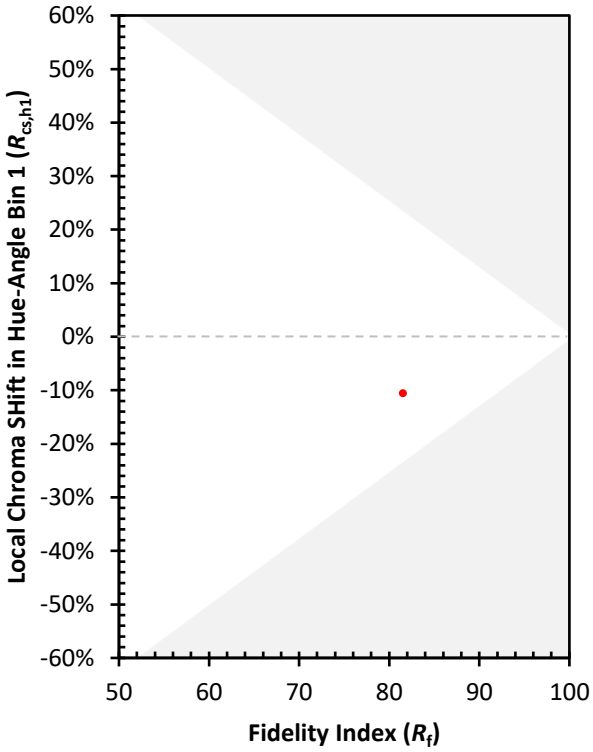
Measure Comparisons





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