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: P630551

Luminaire Tested: GWS-SA1D-830-U-SL2-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:	P630551
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA1D-830-U-SL2-W-HSS
Description:	GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	(16) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3818.5 lumens
Efficiency:	N/A
Efficacy:	86.2 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	44.3
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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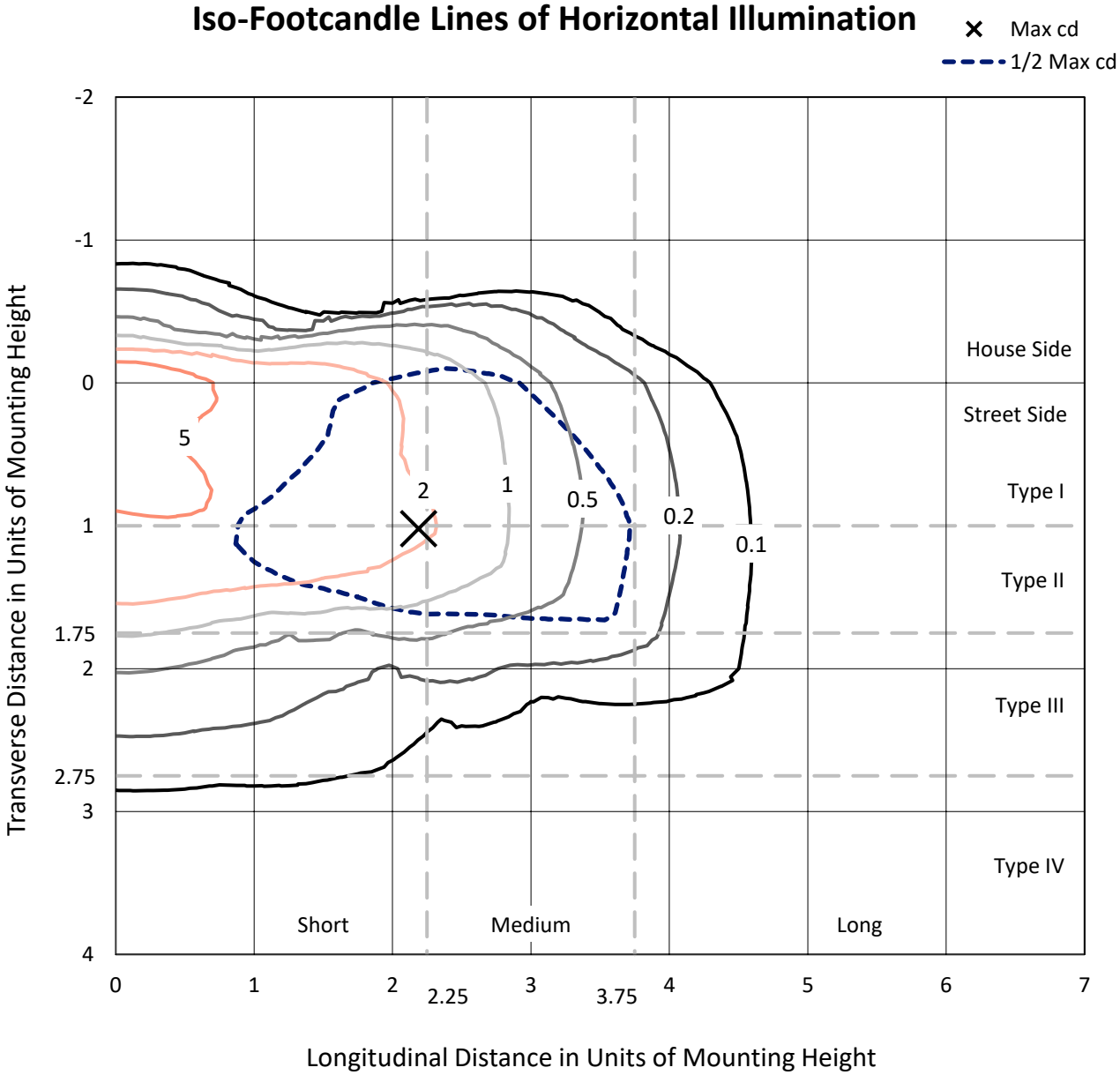
REPORT NUMBER: P630551
CATALOG NUMBER: GWS-SA1D-830-U-SL2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 9.3 fc
Type II - Short - N/A

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REPORT NUMBER: P630551
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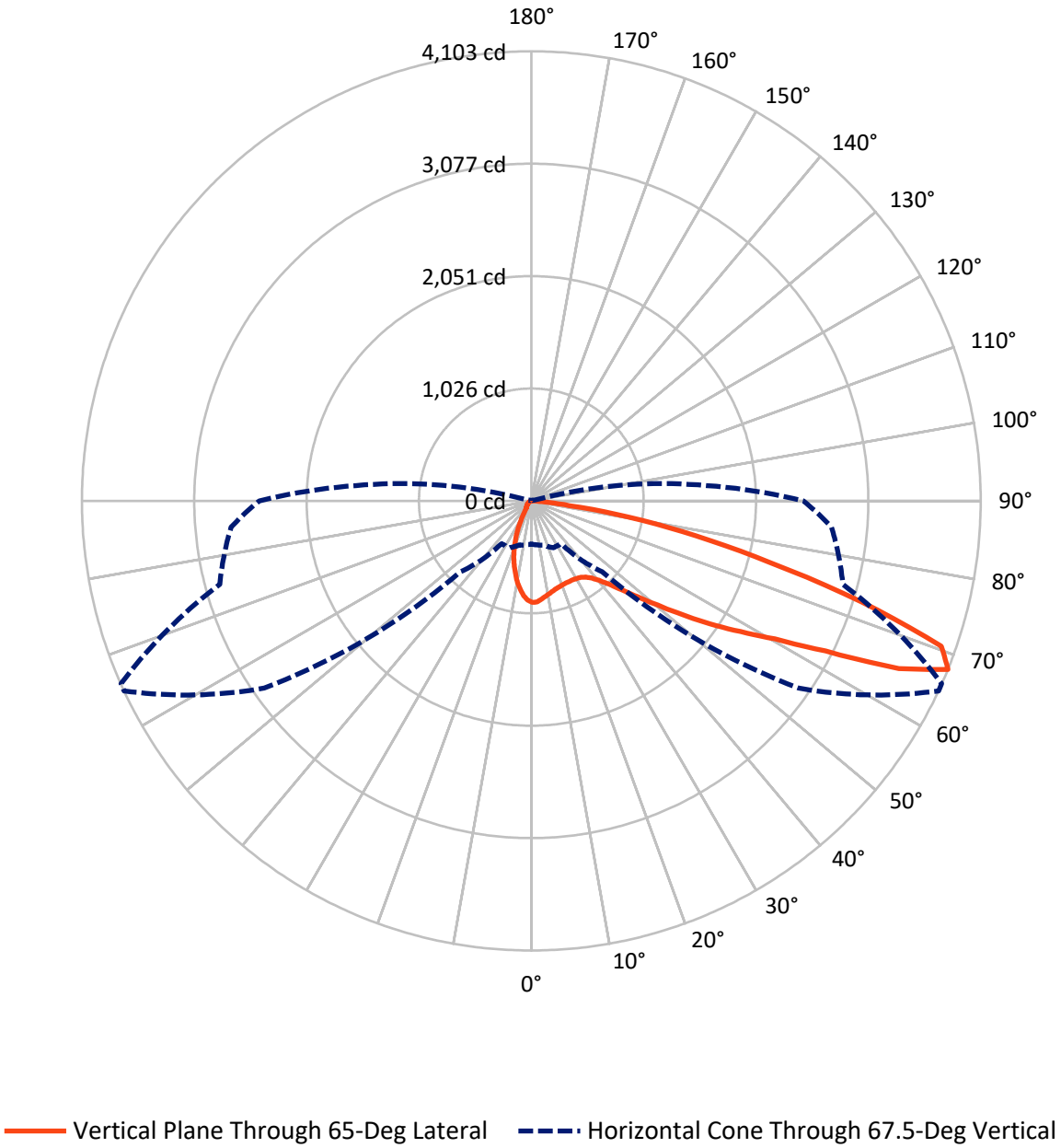
Luminous Intensity Polar Plot



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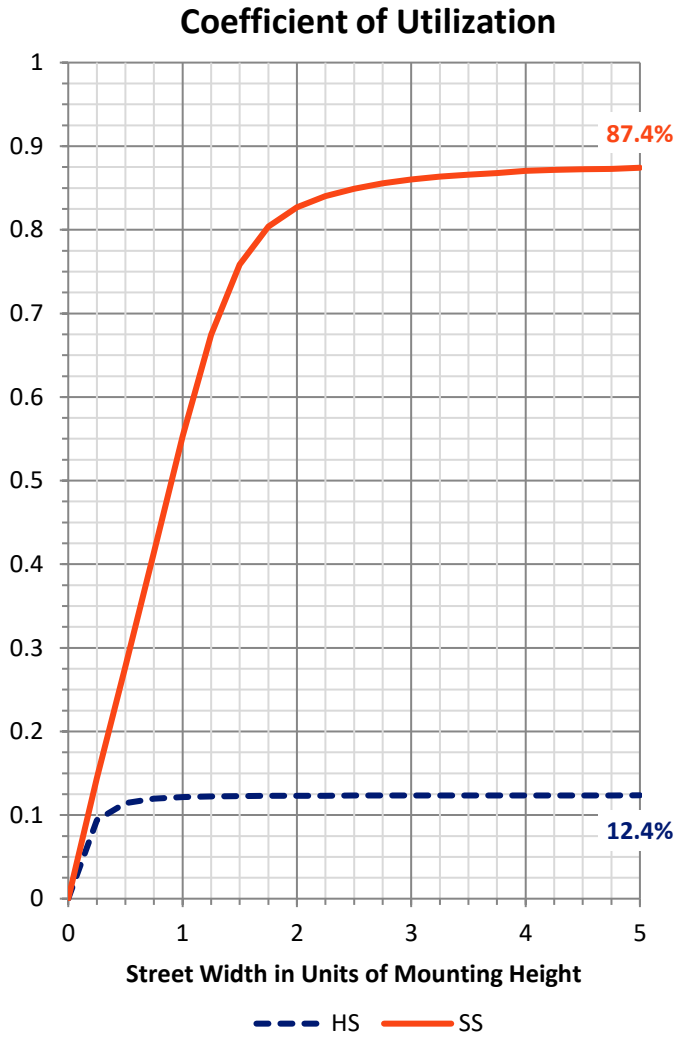
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	476.8	0.0	476.8
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	3341.7	0.0	3341.7
	% Fixture	87.5	0.0	87.5
Total	Lumens	3818.5	0.0	3818.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.9	2.0
10°-20°	172.9	4.5
20°-30°	247.1	6.5
30°-40°	359.5	9.4
40°-50°	563.0	14.7
50°-60°	878.3	23.0
60°-70°	964.7	25.3
70°-80°	513.4	13.4
80°-90°	42.7	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°	3818.5	100.0
0°-180°	3818.5	100.0



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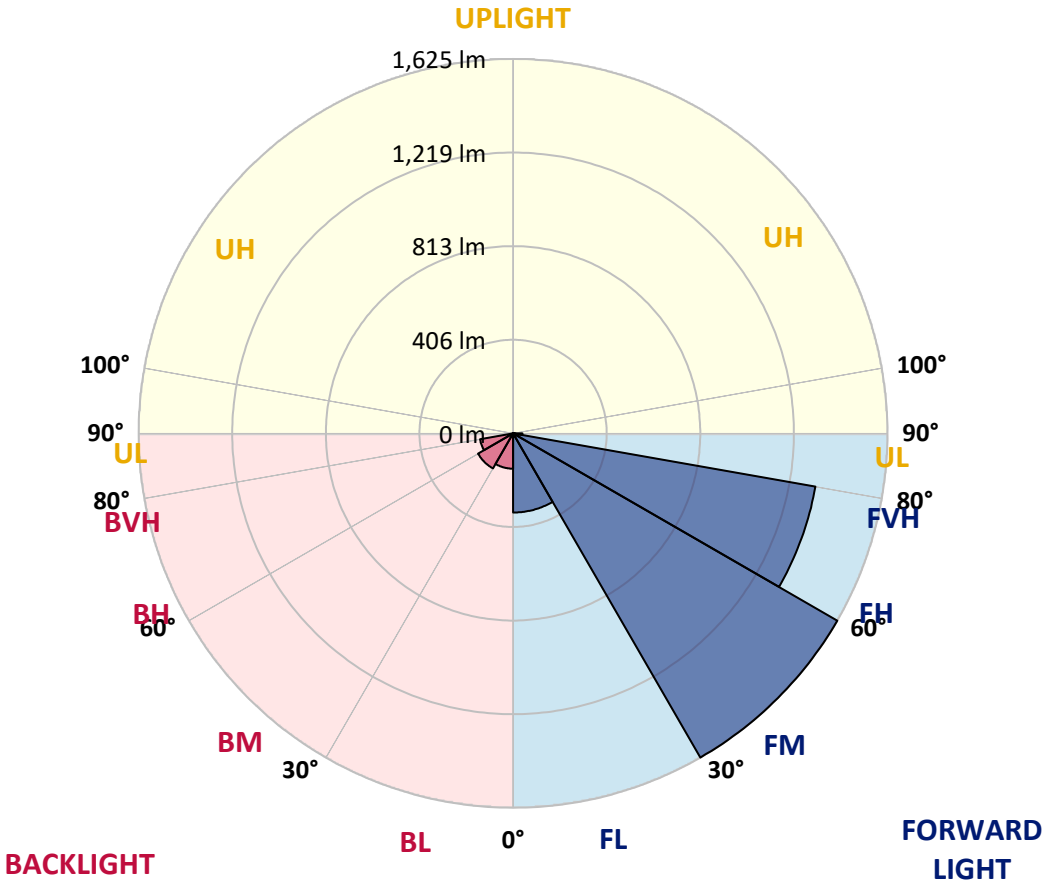
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	343.6	9.0			
FM	(30°-60°)	1625.1	42.6			
FH	(60°-80°)	1332.5	34.9			G1/1800
FVH	(80°-90°)	40.5	1.1			G1/100
BL	(0°-30°)	153.3	4.0	B1/500		
BM	(30°-60°)	175.6	4.6	B0/220		
BH	(60°-80°)	145.6	3.8	B1/500		G1/500
BVH	(80°-90°)	2.3	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-G1
Type II Short



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Scaled Data Report

REPORT NUMBER: P630551
CATALOG NUMBER: GWS-SA1D-830-U-SL2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1
2.5°	894.0	896.8	893.0	902.3	904.0	914.4	920.2	924.4	924.0	929.2	929.2
5°	841.5	844.3	842.2	852.2	860.2	876.4	889.8	905.4	906.1	922.0	927.8
7.5°	797.0	797.3	797.3	809.7	820.1	840.1	860.2	884.0	886.7	911.3	926.8
10°	760.4	761.4	761.7	775.9	787.3	811.5	837.0	865.7	868.8	901.9	926.1
12.5°	735.2	735.5	736.9	751.7	764.2	789.4	815.3	848.1	852.2	891.2	923.0
15°	723.1	722.4	723.1	735.5	747.9	772.1	798.7	833.9	838.4	882.3	923.3
17.5°	722.4	721.3	720.7	730.0	737.9	759.3	786.3	824.6	829.4	878.1	927.1
20°	732.4	731.7	728.2	732.4	734.1	751.7	778.3	817.3	822.2	877.4	935.4
22.5°	758.6	756.9	751.7	747.9	738.6	749.0	772.8	812.2	817.7	879.1	946.1
25°	797.7	797.0	790.4	781.1	757.3	753.1	773.1	812.2	817.3	881.2	957.5
27.5°	856.4	852.2	843.9	827.7	793.5	769.3	780.0	814.2	819.4	884.0	966.9
30°	916.1	915.7	913.0	896.4	845.7	800.4	794.5	819.8	824.6	886.4	975.5
32.5°	977.9	978.9	985.8	973.1	917.5	846.7	820.8	831.1	834.6	891.2	983.1
35°	1036.6	1038.7	1057.0	1061.5	1004.8	916.8	863.6	853.9	854.3	901.9	993.1
37.5°	1092.9	1099.8	1129.1	1150.9	1113.6	1001.7	925.4	892.6	889.8	923.3	1008.3
40°	1156.8	1169.9	1206.8	1243.8	1232.0	1114.0	1009.7	952.0	946.1	962.7	1035.6
42.5°	1227.6	1241.7	1290.7	1342.5	1348.1	1249.7	1115.0	1038.7	1028.7	1029.0	1086.7
45°	1303.5	1322.5	1379.5	1454.1	1487.6	1400.9	1244.8	1155.7	1145.7	1130.9	1168.9
47.5°	1403.3	1419.9	1474.8	1560.8	1625.0	1563.2	1415.1	1306.3	1288.0	1266.2	1296.6
50°	1489.3	1503.8	1551.1	1658.8	1792.5	1772.4	1608.1	1494.5	1476.9	1439.9	1465.1
52.5°	1508.3	1519.7	1563.2	1684.4	1920.6	2036.6	1844.6	1722.0	1709.6	1641.2	1650.9
55°	1423.0	1440.3	1479.3	1614.0	1954.1	2294.9	2151.6	1978.6	1952.7	1843.6	1860.8
57.5°	1207.5	1238.3	1274.9	1449.9	1863.3	2432.3	2580.5	2250.3	2226.9	2038.3	2038.7
60°	885.0	909.9	934.4	1094.6	1647.8	2423.0	2969.6	2555.6	2512.8	2197.5	2191.6
62.5°	643.6	656.4	656.1	713.1	1131.6	2263.5	3174.0	3015.5	2915.8	2367.8	2334.3
65°	506.2	505.9	520.7	539.4	631.9	1747.2	3199.2	3687.2	3579.4	2596.0	2526.2
67.5°	394.0	401.6	416.4	471.3	474.8	914.4	2977.6	4102.6	4100.5	2944.4	2751.0
70°	303.9	314.2	335.3	415.4	438.5	511.7	2227.9	3971.0	4004.5	3100.1	2591.9
72.5°	195.1	194.4	225.5	335.6	421.3	426.5	1232.0	3154.4	3192.3	2808.0	2095.7
75°	109.1	109.8	127.4	205.5	392.6	401.2	610.2	2249.3	2279.4	2189.2	1610.2
77.5°	42.8	44.2	59.7	108.1	259.0	358.4	362.6	1533.8	1538.3	1356.7	987.6
80°	17.3	18.3	30.4	67.0	157.8	241.4	259.0	903.7	885.4	525.2	287.3
82.5°	5.2	5.5	12.1	38.0	82.5	171.6	174.7	346.7	327.3	112.9	73.2
85°	0.3	0.3	2.8	11.7	29.4	43.2	116.4	112.9	100.1	28.3	32.5
87.5°	0.0	0.0	0.3	0.3	0.7	1.4	12.4	20.7	21.1	5.2	14.5
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: P630551
CATALOG NUMBER: GWS-SA1D-830-U-SL2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1
2.5°	929.2	916.8	915.7	906.1	896.4	884.3	870.2	859.8	852.6	839.8	837.4
5°	927.8	911.3	895.7	868.1	837.4	804.2	775.2	748.3	731.4	720.0	715.1
7.5°	925.1	904.0	868.1	816.0	764.5	706.5	661.3	619.8	591.5	574.9	567.7
10°	923.0	894.7	836.3	757.3	677.5	597.4	528.7	467.2	433.0	406.1	401.6
12.5°	918.9	881.2	795.6	688.5	585.6	479.3	391.6	316.3	264.2	240.7	232.4
15°	914.7	867.1	754.8	616.0	485.5	354.3	247.9	175.4	139.5	128.5	127.8
17.5°	914.0	854.3	710.6	547.3	380.5	232.0	141.2	113.6	106.0	103.2	103.2
20°	916.1	843.6	667.1	468.2	277.3	141.2	105.3	98.4	93.9	91.5	91.5
22.5°	918.2	832.5	625.3	388.5	184.0	103.2	92.9	87.0	81.8	79.1	77.7
25°	919.5	820.4	579.1	308.4	120.2	89.8	81.5	73.9	67.7	64.2	64.2
27.5°	919.2	805.9	532.5	230.0	93.2	79.8	69.8	61.8	55.6	51.8	52.1
30°	916.4	790.1	484.1	160.6	81.5	69.8	59.7	51.5	45.2	42.1	41.8
32.5°	914.4	773.1	428.2	112.9	73.2	61.1	50.8	42.8	37.6	35.2	34.9
35°	911.9	756.6	375.0	86.0	66.0	52.8	42.8	36.3	32.1	30.0	30.0
37.5°	912.6	739.3	317.3	73.9	58.7	45.9	36.6	31.1	27.6	25.6	25.2
40°	923.3	728.9	260.7	67.0	52.1	39.7	31.8	26.9	23.5	21.4	21.1
42.5°	949.9	729.3	206.5	61.8	46.3	33.8	27.6	23.1	20.0	17.6	17.3
45°	1003.1	743.8	158.5	56.3	40.1	29.4	23.8	19.7	16.6	14.5	14.2
47.5°	1090.1	786.9	120.2	51.5	34.9	25.6	20.4	16.6	13.8	12.1	11.7
50°	1228.6	865.0	94.6	45.6	29.4	22.1	17.3	13.8	11.4	9.7	9.3
52.5°	1395.0	982.0	81.1	40.4	25.2	19.3	14.8	11.4	9.3	7.9	7.6
55°	1586.3	1121.9	74.9	35.2	21.4	16.6	12.1	9.3	7.6	6.6	5.9
57.5°	1761.7	1247.9	74.6	30.0	18.3	14.2	10.0	7.9	6.6	5.2	4.8
60°	1932.7	1353.2	70.1	24.9	15.9	11.7	8.6	6.6	5.5	4.5	4.1
62.5°	2087.7	1438.9	58.7	20.0	13.5	9.7	7.3	5.9	4.8	3.8	3.8
65°	2282.5	1548.0	44.9	16.2	11.0	7.9	6.2	5.2	4.5	3.5	3.5
67.5°	*2483.8*	*1605.7*	*32.1*	*13.5*	*9.0*	*6.9*	*5.5*	*4.8*	*3.8*	*3.1*	*3.1*
70°	2249.7	1356.7	23.1	11.0	7.6	5.9	4.8	4.5	3.8	3.1	2.8
72.5°	1756.9	978.2	17.3	8.6	6.6	5.5	4.5	4.1	3.5	2.8	2.8
75°	1302.8	570.4	13.1	6.9	5.2	4.5	4.5	4.1	3.5	2.8	2.4
77.5°	708.2	198.9	10.0	5.5	4.1	3.5	3.8	3.8	3.1	2.4	2.1
80°	187.5	54.6	6.9	4.1	3.5	2.8	2.8	3.5	2.8	2.1	2.1
82.5°	54.6	15.9	4.8	3.5	2.8	2.4	2.4	2.4	2.1	1.7	1.4
85°	26.6	5.9	3.5	2.8	2.4	2.1	1.7	1.7	1.4	1.0	1.0
87.5°	11.7	2.4	2.8	2.4	2.4	1.7	1.4	1.0	1.0	0.7	0.3
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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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

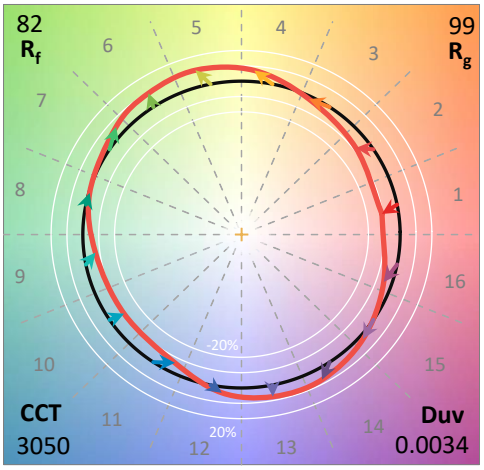
Test Information

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

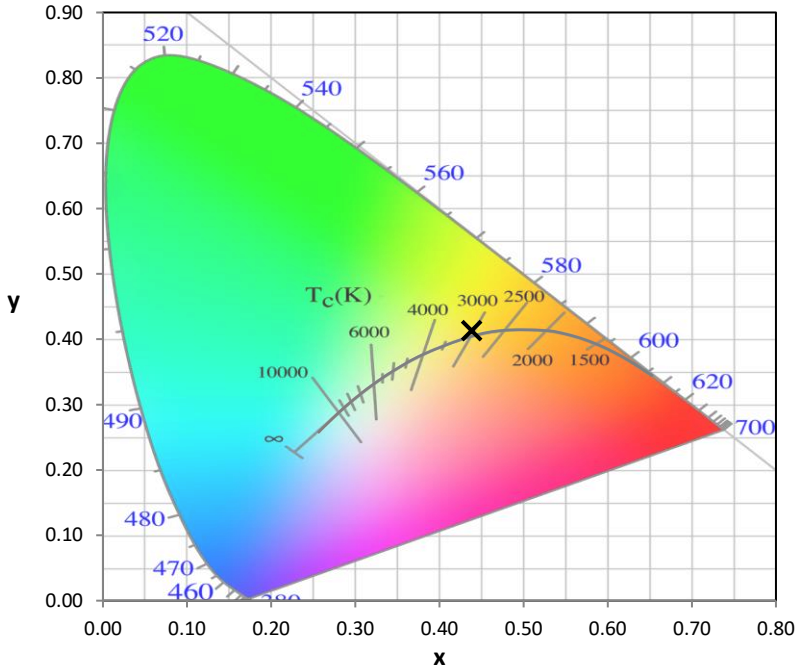
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

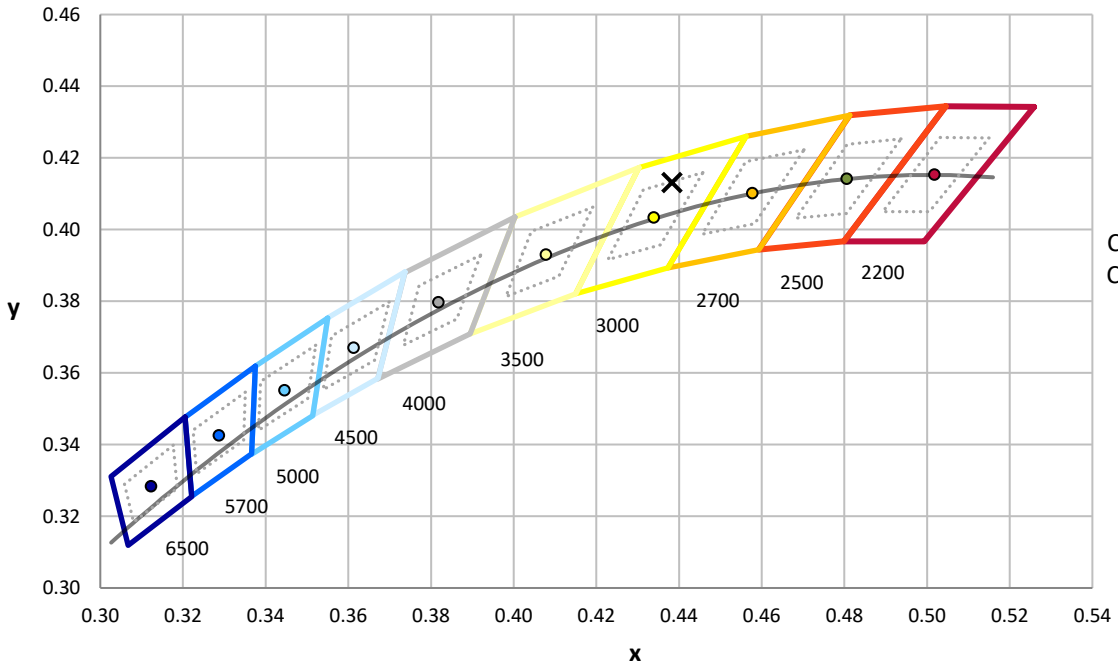
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

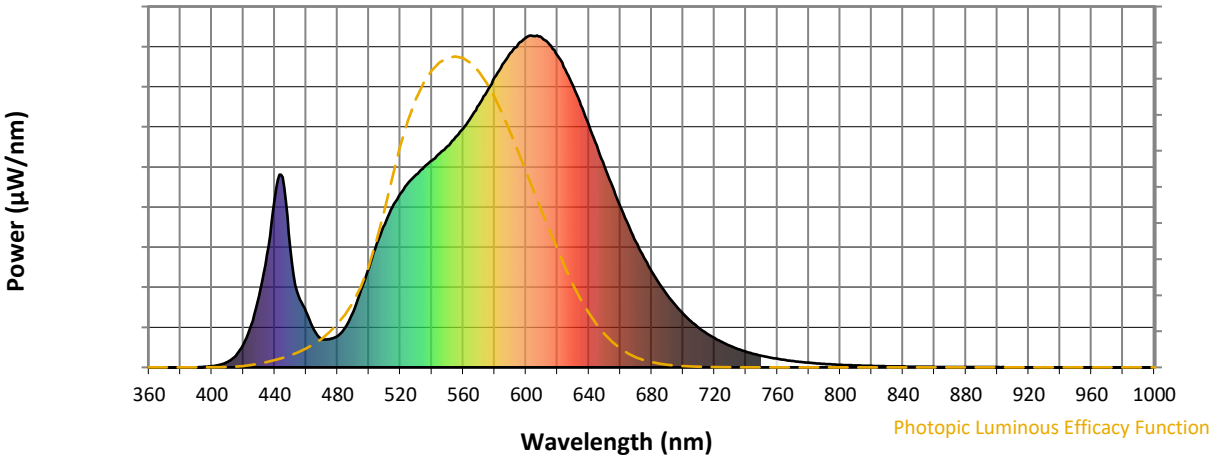


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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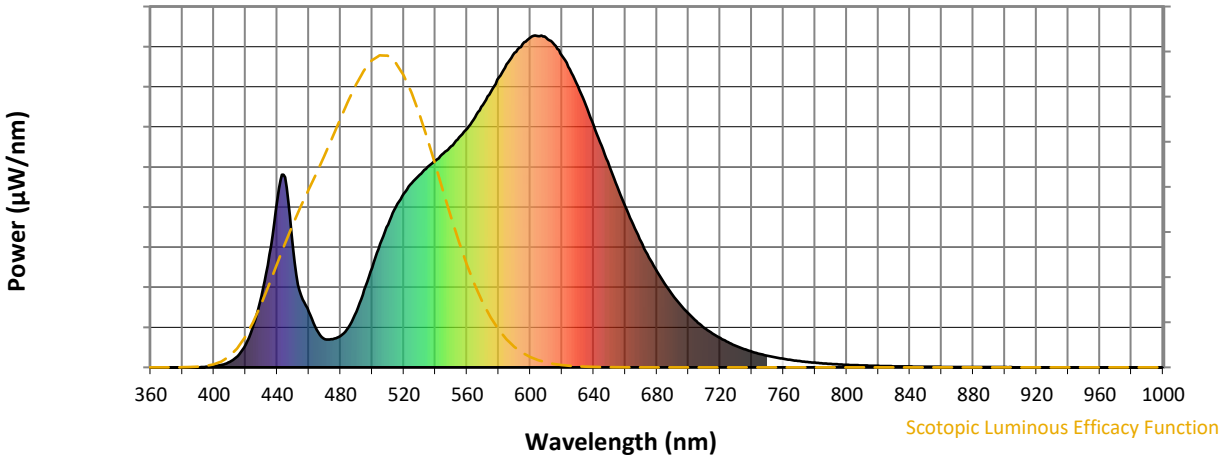
Scotopic Flux vs. Wavelength



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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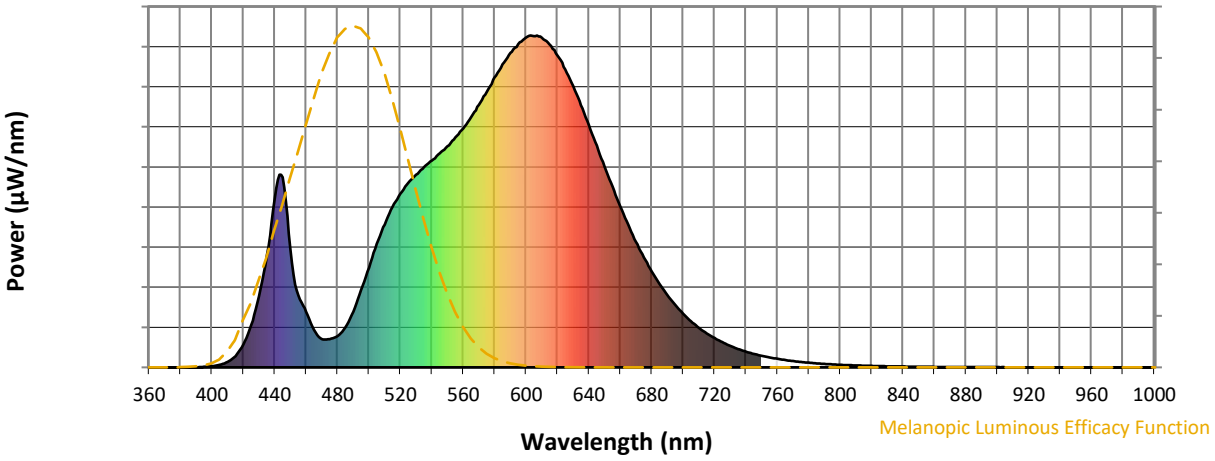
Melanopic Flux vs. Wavelength



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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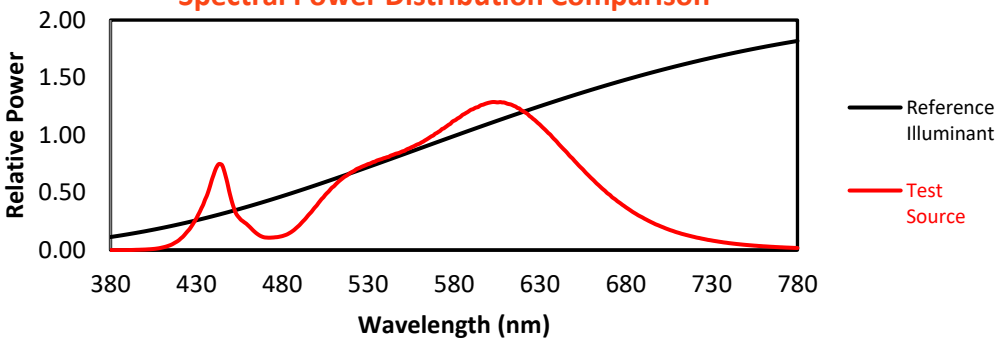
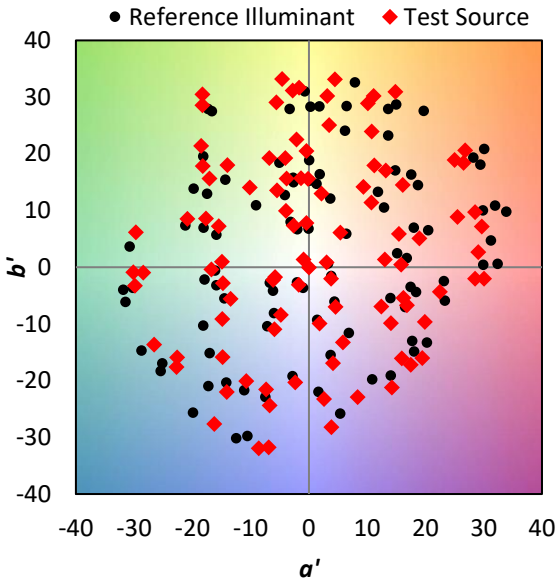
Summary

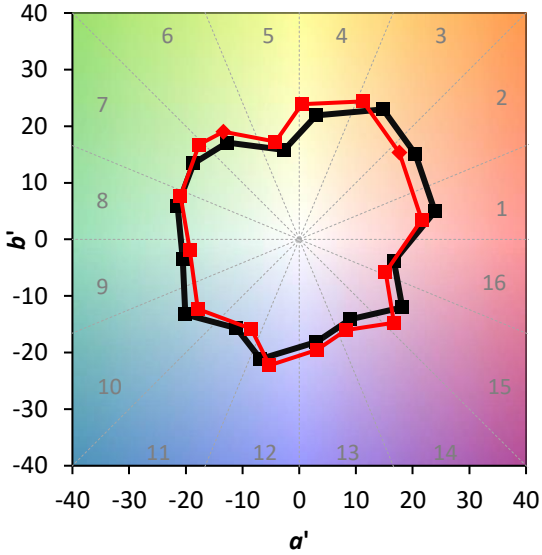
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

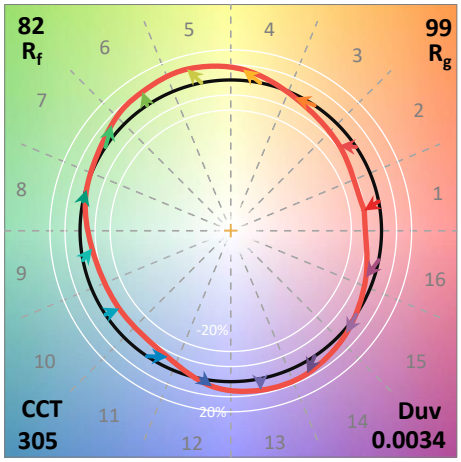
Spectral Power Distribution Comparison

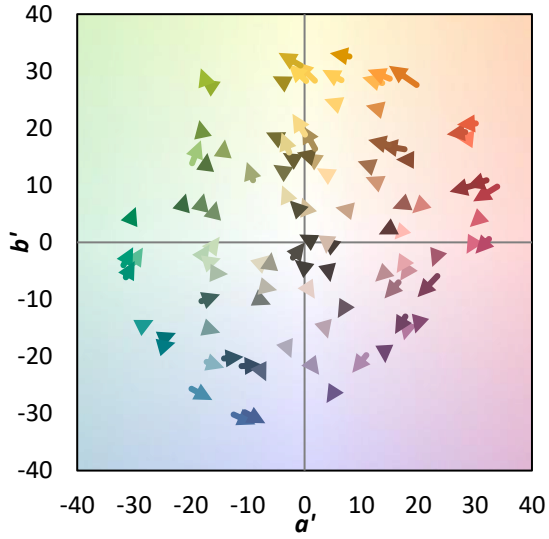


Color Vector Graphics









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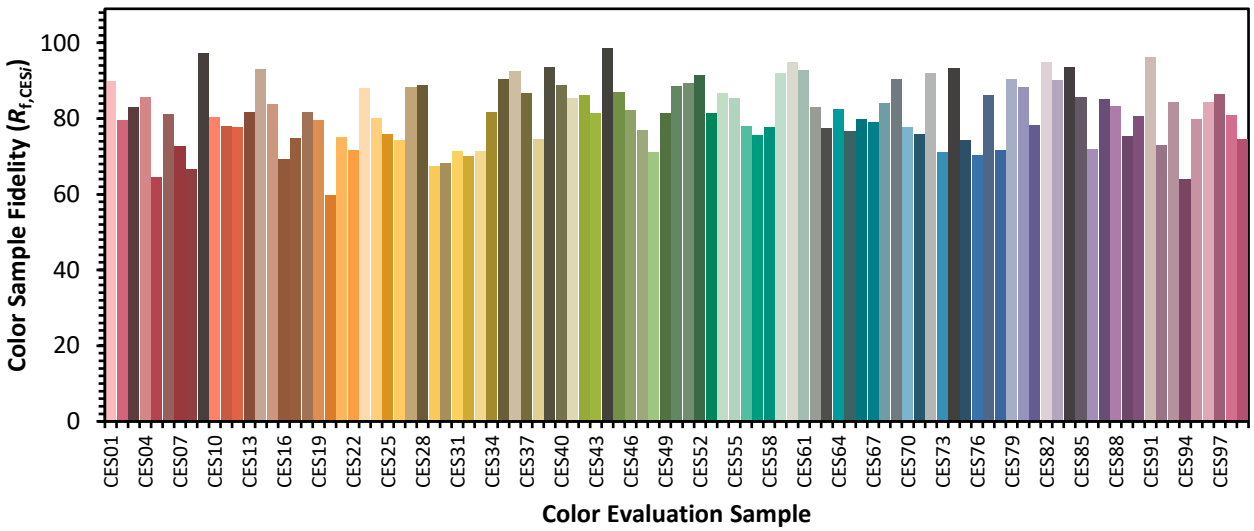
Individual Sample Fidelity Index ($R_{f,i}$)

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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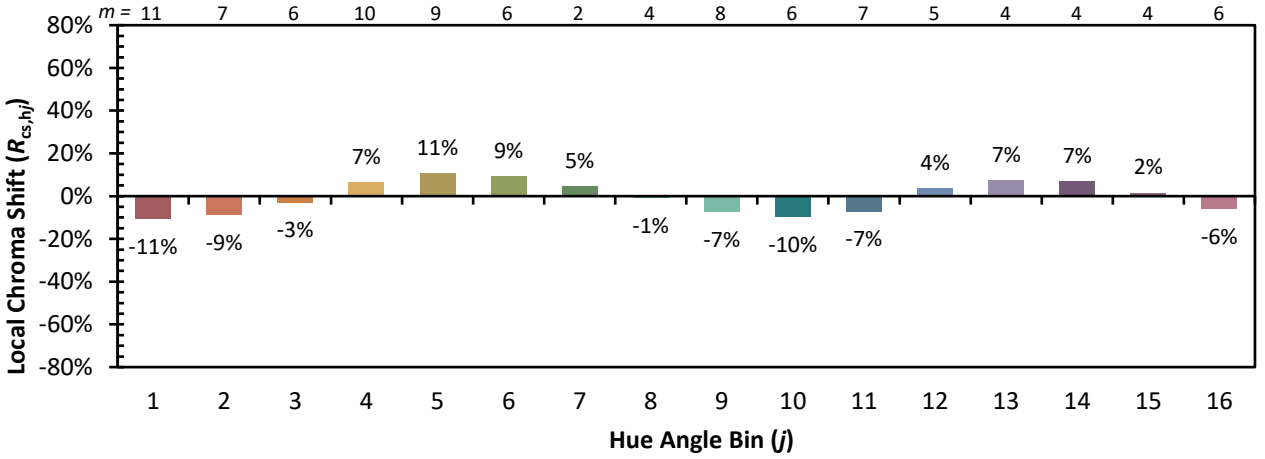
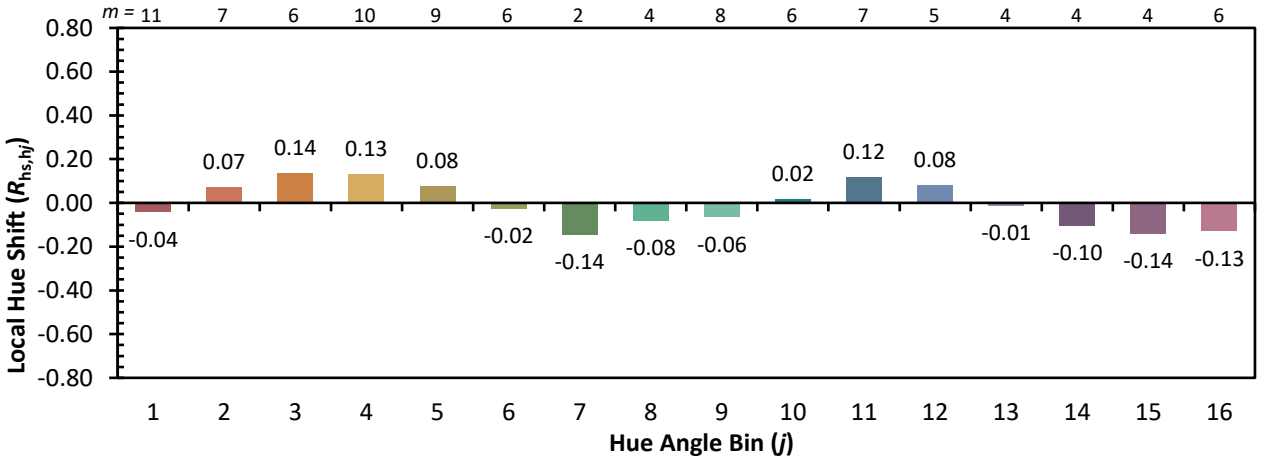
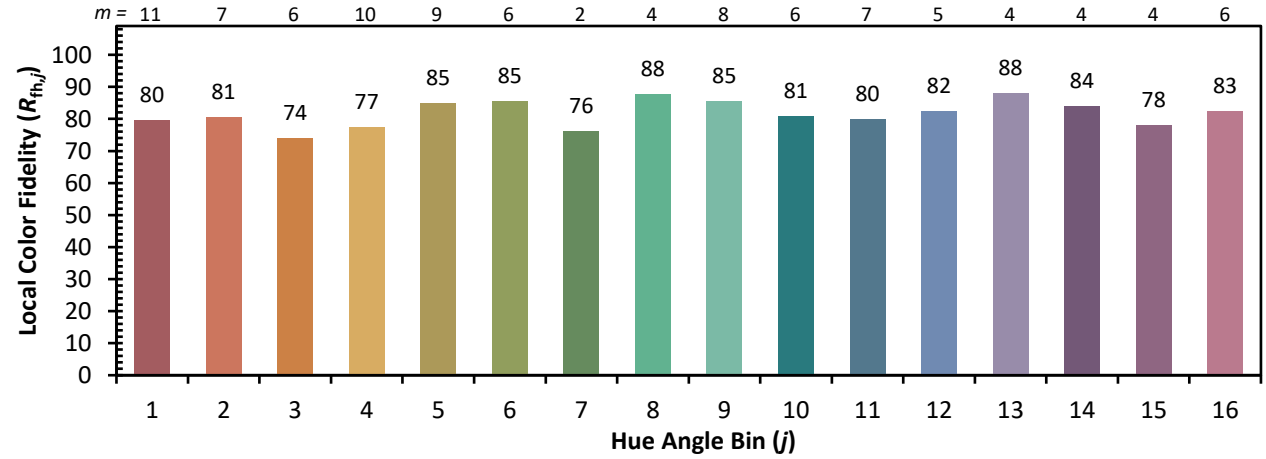
Color Rendition by Hue-Angle Bin







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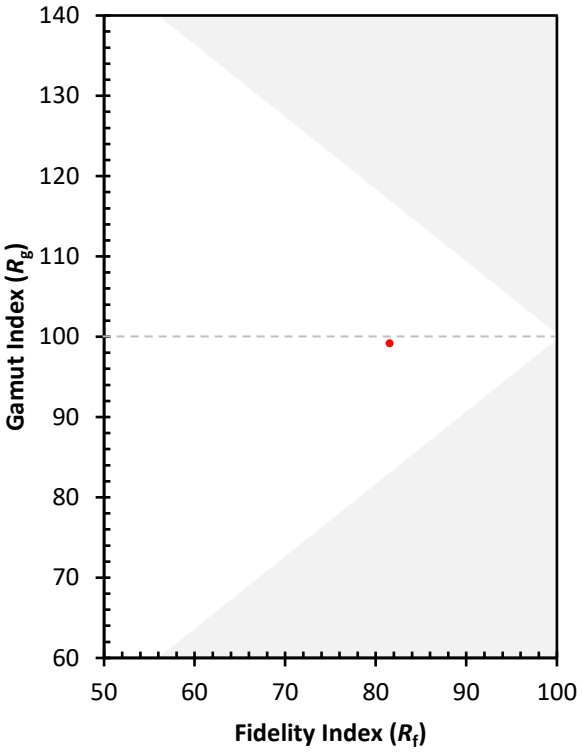
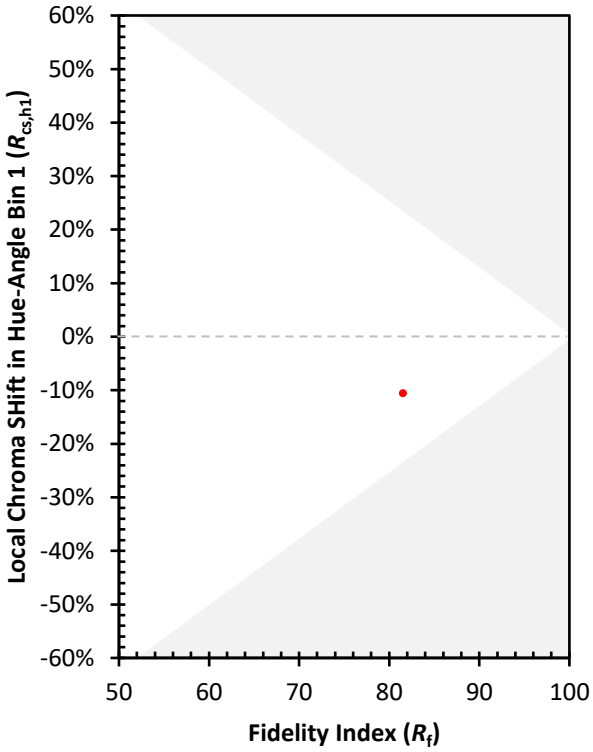
Measure Comparisons





(END OF REPORT)