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: P630571

Luminaire Tested: GWS-SA1D-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:	P630571
	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-SA1D-830-U-T2-W
Description:	GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source:	(16) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4779.2 lumens
Efficiency:	N/A
Efficacy:	107.9 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
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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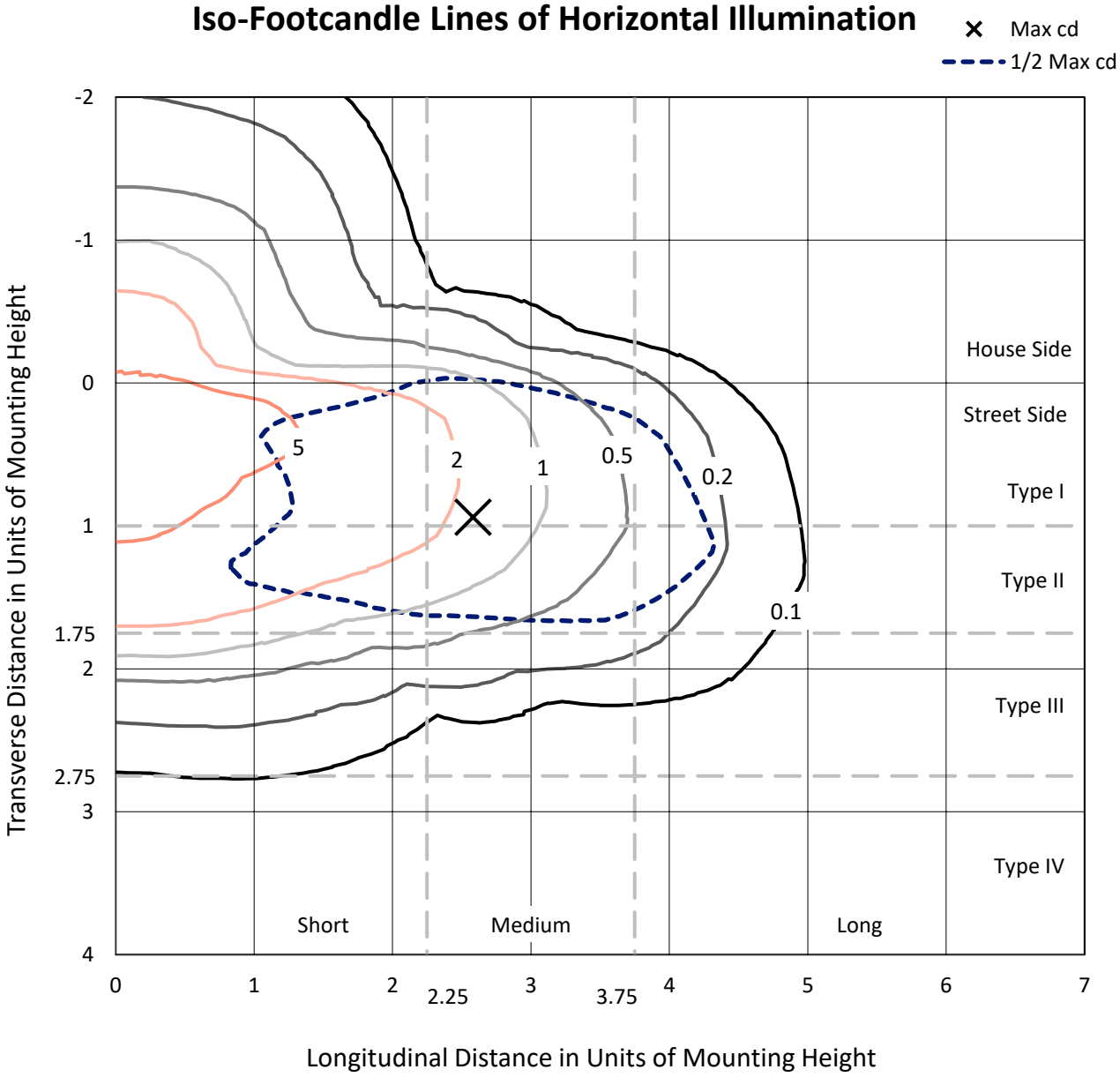
REPORT NUMBER: P630571
CATALOG NUMBER: GWS-SA1D-830-U-T2-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
Type II - Medium - N/A

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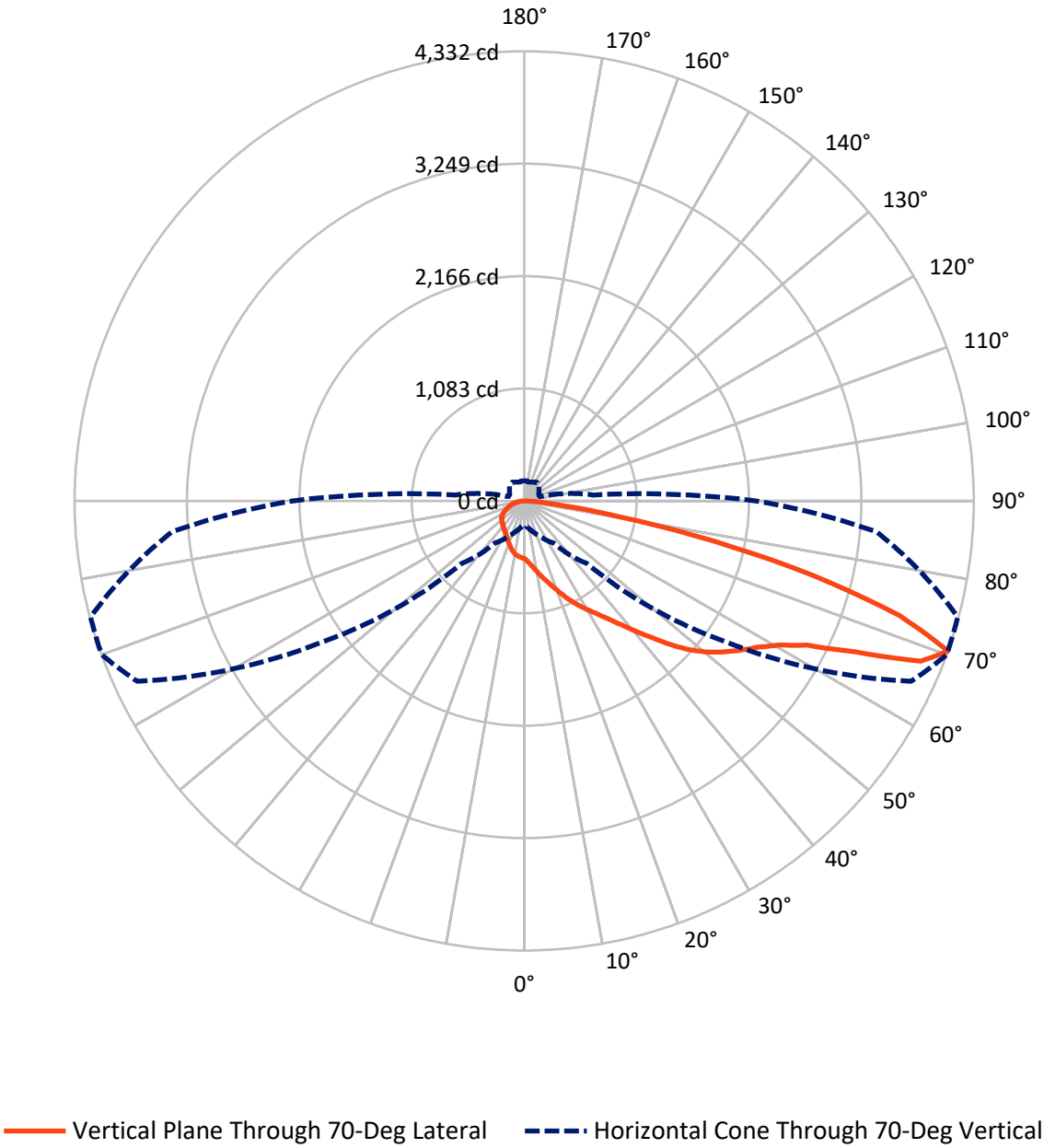
Luminous Intensity Polar Plot



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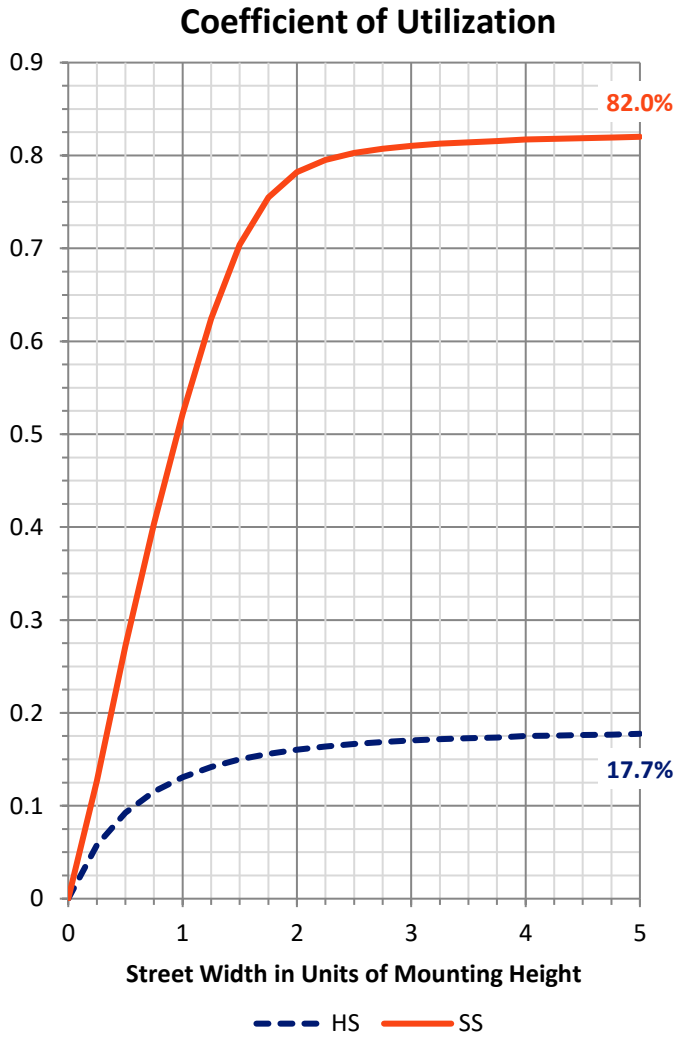
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	856.4	0.0	856.4
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	3922.8	0.0	3922.8
	% Fixture	82.1	0.0	82.1
Total	Lumens	4779.2	0.0	4779.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.6	1.2
10°-20°	184.3	3.9
20°-30°	326.5	6.8
30°-40°	491.3	10.3
40°-50°	743.3	15.6
50°-60°	1064.8	22.3
60°-70°	1177.1	24.6
70°-80°	664.2	13.9
80°-90°	71.0	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°	4779.2	100.0
0°-180°	4779.2	100.0



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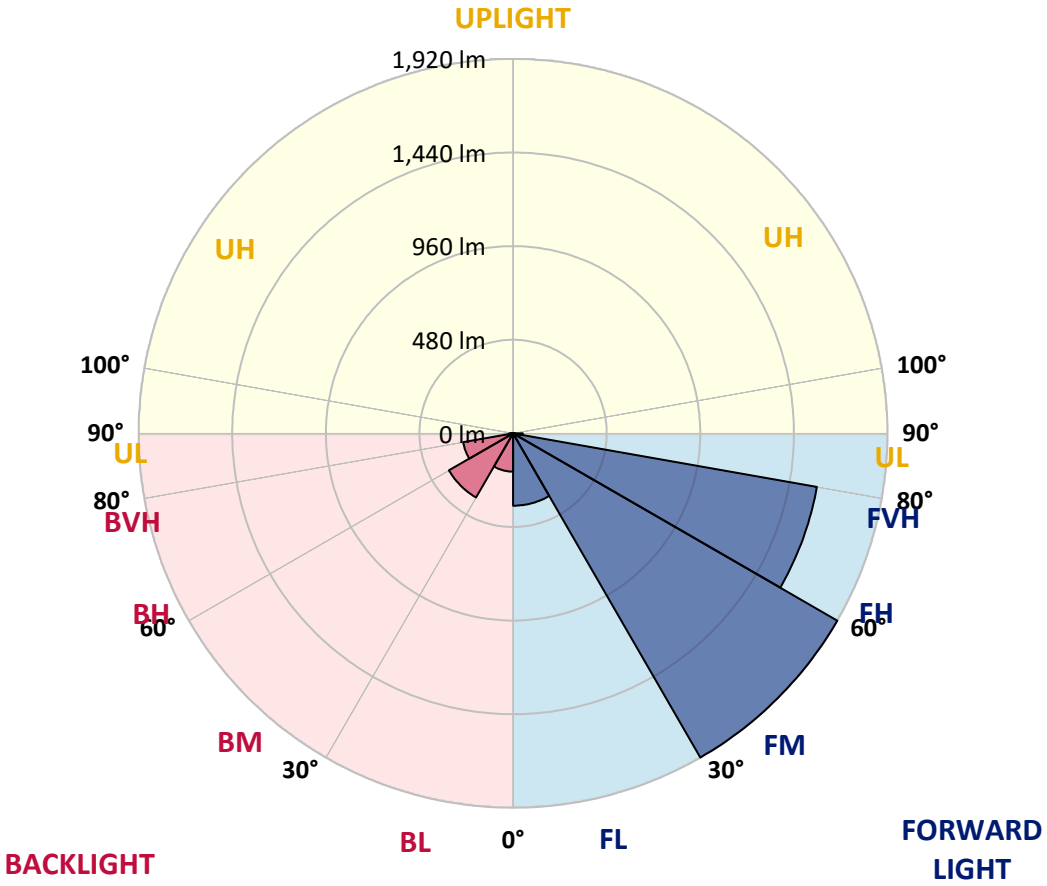
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	371.0	7.8			
FM	(30°-60°)	1919.8	40.2			
FH	(60°-80°)	1581.7	33.1			G1/1800
FVH	(80°-90°)	50.2	1.1			G1/100
BL	(0°-30°)	196.4	4.1	B1/500		
BM	(30°-60°)	379.7	7.9	B1/1000		
BH	(60°-80°)	259.6	5.4	B1/500		G1/500
BVH	(80°-90°)	20.8	0.4			G1/100
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 Medium



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REPORT NUMBER: P630571
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4	*557.4*	557.4	557.4
2.5°	617.4	616.4	617.1	616.4	612.6	603.3	595.7	586.0	*579.5*	575.7	566.7
5°	690.0	688.9	686.5	683.1	676.1	663.4	644.4	623.3	*610.5*	600.9	581.9
7.5°	742.1	742.1	741.8	737.6	732.8	719.3	696.9	669.2	*650.6*	634.0	602.9
10°	768.7	770.4	772.8	778.7	777.7	770.4	749.4	719.7	*696.2*	676.8	630.6
12.5°	783.2	784.2	788.4	800.5	812.9	814.6	802.2	771.1	*745.6*	719.7	661.3
15°	801.8	802.2	807.7	822.2	840.5	858.8	855.7	824.6	*798.4*	769.7	695.5
17.5°	816.3	818.8	828.8	845.7	868.5	893.7	908.9	889.6	*857.1*	824.3	732.8
20°	821.5	823.3	836.4	862.3	893.4	928.9	962.8	957.6	*924.8*	886.1	774.9
22.5°	840.2	840.2	849.8	871.6	908.2	960.0	1014.9	1028.4	*999.4*	954.1	820.1
25°	881.3	879.9	884.4	893.4	921.0	984.9	1066.4	1106.8	*1074.3*	1023.5	865.4
27.5°	937.6	936.9	936.5	937.9	947.2	1006.6	1109.9	1180.0	*1147.5*	1090.2	905.8
30°	998.7	996.6	1001.1	997.0	994.9	1032.5	1146.8	1245.6	*1220.4*	1156.1	939.3
32.5°	1081.9	1078.1	1077.1	1063.6	1055.3	1072.9	1176.5	1320.2	*1300.1*	1227.3	976.9
35°	1191.7	1188.3	1170.6	1149.2	1124.7	1133.0	1213.5	1393.0	*1394.4*	1316.4	1026.3
37.5°	1302.6	1303.3	1289.4	1239.0	1213.8	1209.0	1269.8	1481.8	*1511.5*	1422.7	1090.2
40°	1394.8	1398.9	1398.9	1345.7	1308.1	1303.6	1348.8	1587.1	*1646.2*	1553.3	1171.0
42.5°	1464.9	1468.7	1480.8	1442.4	1402.7	1418.2	1444.8	1692.8	*1798.8*	1714.5	1273.2
45°	1541.9	1545.0	1551.5	1529.4	1506.3	1547.7	1553.6	1819.2	*1973.5*	1895.5	1392.0
47.5°	1644.1	1641.3	1642.0	1625.8	1607.8	1674.8	1673.4	1925.5	*2142.4*	2093.7	1520.8
50°	1771.2	1776.3	1771.5	1739.4	1718.3	1779.5	1787.4	2043.3	*2290.9*	2289.8	1650.7
52.5°	1893.4	1895.5	1921.0	1922.4	1879.3	1866.5	1887.2	2162.1	*2416.2*	2469.4	1775.3
55°	1899.6	1907.6	1984.2	2039.5	2109.2	2006.7	1988.0	2275.3	*2537.4*	2645.2	1904.8
57.5°	1767.4	1780.1	1910.3	2029.5	2223.5	2247.4	2160.7	2421.8	*2658.7*	2818.2	2054.7
60°	1484.9	1511.5	1688.3	1870.6	2172.1	2420.4	2514.0	2620.7	*2817.8*	2995.0	2236.7
62.5°	948.3	958.6	1206.6	1511.8	1940.4	2403.5	2898.7	2971.2	*3060.3*	3225.3	2517.1
65°	474.8	508.0	653.4	902.3	1399.3	2117.9	3093.1	3613.1	*3504.0*	3619.7	2971.5
67.5°	322.2	332.9	406.4	542.2	820.5	1500.4	2972.6	4153.9	*4121.8*	4140.8	3456.0
70°	*237.6*	*244.5*	*302.5*	*384.0*	*496.2*	*851.9*	*2366.5*	*4113.2*	*4332.4*	*4325.5*	*3405.2*
72.5°	173.4	176.8	220.7	293.2	367.8	440.6	1445.2	3322.7	*3782.0*	3981.2	2978.1
75°	126.0	130.2	153.3	219.3	285.9	274.9	713.4	2400.0	*2884.1*	3267.5	2426.2
77.5°	93.9	99.1	109.8	137.4	200.3	196.8	308.4	1558.4	*1865.4*	2134.1	1473.8
80°	67.7	68.7	74.9	88.1	127.1	115.3	146.8	812.5	*931.7*	1020.8	577.7
82.5°	41.1	42.1	50.1	54.2	78.7	72.5	76.3	263.1	*377.1*	400.2	215.8
85°	12.1	12.8	22.8	24.9	32.8	31.1	30.7	107.1	*127.8*	163.3	84.9
87.5°	0.0	0.0	0.0	0.0	0.3	2.1	3.8	19.0	*28.7*	39.7	20.7
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: P630571
CATALOG NUMBER: GWS-SA1D-830-U-T2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4
2.5°	563.2	555.3	551.1	543.9	538.7	533.5	528.3	523.5	521.4	518.3	519.0
5°	573.2	560.8	548.4	534.2	522.1	512.1	503.1	495.2	491.7	488.6	490.0
7.5°	588.4	569.8	546.0	520.1	501.1	487.3	477.9	472.4	470.7	468.3	468.3
10°	607.8	579.8	538.0	501.1	478.3	467.2	463.1	462.7	464.5	464.8	464.1
12.5°	629.2	589.5	526.3	478.6	459.3	455.8	458.9	464.8	470.7	473.8	473.1
15°	651.3	595.7	506.2	457.2	445.5	450.0	460.0	471.7	483.1	489.0	488.6
17.5°	672.0	597.1	480.3	436.5	433.4	444.8	462.0	480.3	495.9	504.2	504.5
20°	695.1	594.6	453.8	417.8	421.3	439.9	462.7	484.8	503.1	511.4	513.5
22.5°	716.2	586.4	427.9	400.2	410.9	434.1	457.2	477.9	494.2	502.1	504.9
25°	735.2	570.5	399.5	385.4	403.0	425.8	443.4	457.9	469.3	474.1	477.9
27.5°	745.6	546.6	378.1	373.6	395.4	414.0	423.7	428.2	432.0	430.6	433.4
30°	747.6	517.0	359.5	364.3	384.0	397.8	399.9	395.4	388.8	378.1	380.5
32.5°	745.6	482.8	343.9	354.3	371.2	379.5	376.7	365.0	349.1	332.5	333.6
35°	746.2	448.2	331.2	343.3	356.4	360.9	354.0	337.7	320.8	305.6	304.9
37.5°	753.8	419.2	320.5	332.5	341.9	342.6	335.0	318.0	309.4	298.0	296.6
40°	774.9	397.8	310.8	321.8	327.7	327.4	318.7	306.6	312.5	308.7	307.7
42.5°	809.4	384.7	302.8	310.4	314.6	315.3	308.4	300.8	313.6	308.7	307.0
45°	865.0	384.0	297.3	299.1	305.6	310.4	305.6	297.0	301.8	278.3	273.8
47.5°	931.0	395.7	293.2	289.0	300.4	309.1	301.5	287.7	277.6	256.2	253.1
50°	1010.4	419.6	289.4	278.3	292.8	303.9	296.3	277.3	262.1	250.7	249.0
52.5°	1104.7	451.0	284.5	266.2	281.4	301.1	296.3	276.3	256.2	245.9	244.1
55°	1203.5	487.3	279.0	251.7	268.7	301.8	298.7	269.0	251.7	246.2	244.8
57.5°	1326.0	530.8	269.0	234.8	257.3	295.6	289.0	264.9	248.6	244.1	242.8
60°	1485.2	595.3	250.0	217.6	244.1	284.5	280.4	258.0	240.3	236.5	235.5
62.5°	1737.3	704.8	226.9	201.0	228.6	261.4	267.6	244.8	230.0	229.6	229.3
65°	2148.3	836.4	199.6	186.1	212.4	242.4	250.7	231.4	219.3	223.1	222.7
67.5°	2436.3	847.8	177.2	170.6	193.4	221.7	233.8	217.6	204.4	211.7	211.3
70°	*2231.5*	*661.3*	*157.8*	*154.4*	*173.0*	*199.3*	*215.5*	*200.3*	*187.2*	*194.1*	*192.7*
72.5°	1882.0	506.9	139.5	137.4	152.3	175.8	192.0	183.0	169.2	169.2	166.1
75°	1512.5	418.2	120.2	119.1	129.2	151.9	170.2	155.1	142.3	141.6	139.5
77.5°	867.5	274.2	100.8	100.1	103.3	127.1	132.3	129.2	119.5	115.0	113.6
80°	345.7	142.6	79.4	74.9	78.0	93.2	104.3	99.1	90.8	85.3	82.2
82.5°	134.0	71.5	55.9	49.0	53.5	67.3	75.6	73.9	68.4	55.9	52.5
85°	54.6	34.9	33.5	28.3	31.1	36.3	43.5	37.6	31.1	22.1	21.1
87.5°	14.5	12.8	12.4	7.6	5.9	1.7	0.3	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

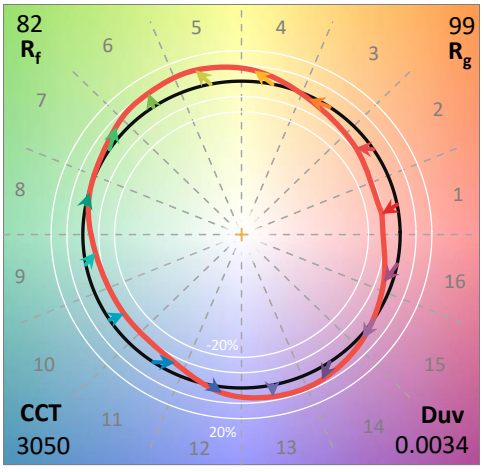
Test Information

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

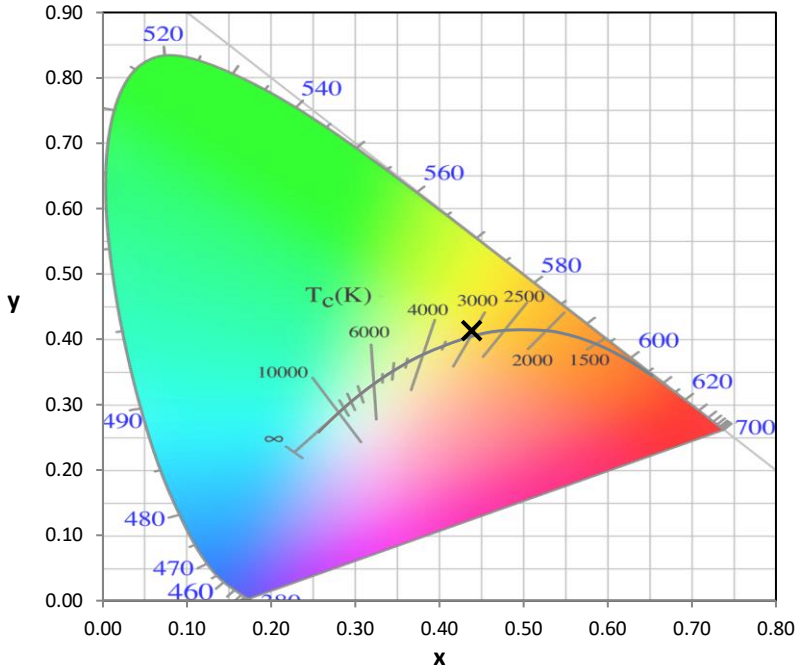
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

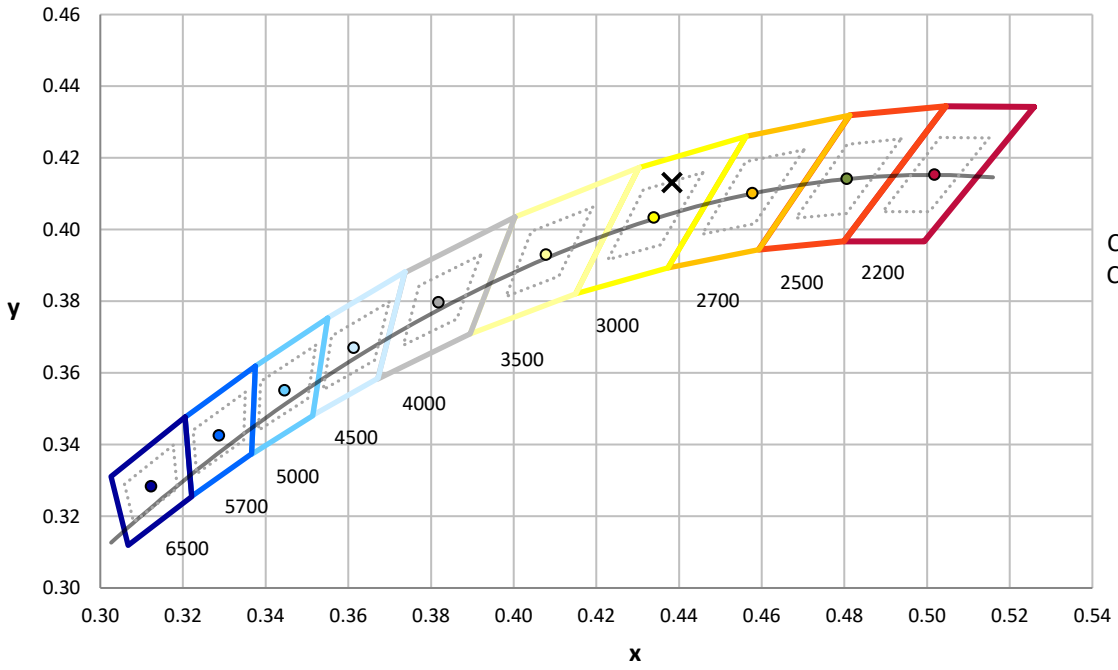
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

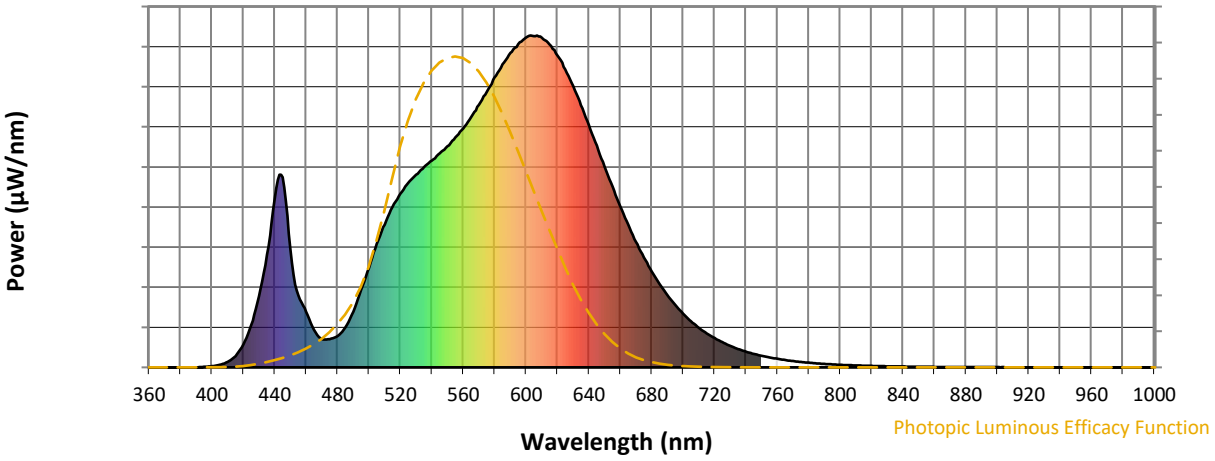


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

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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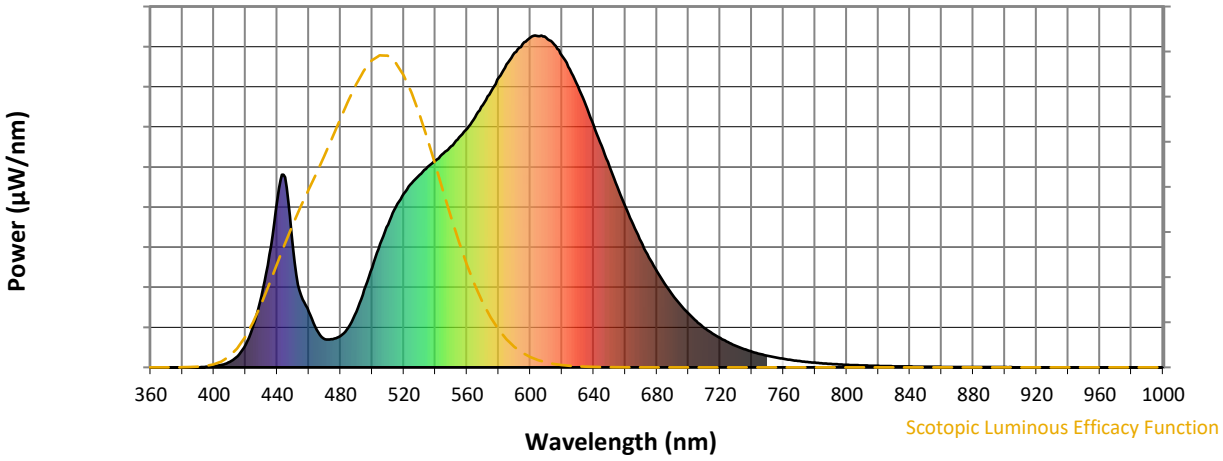
Scotopic Flux vs. Wavelength



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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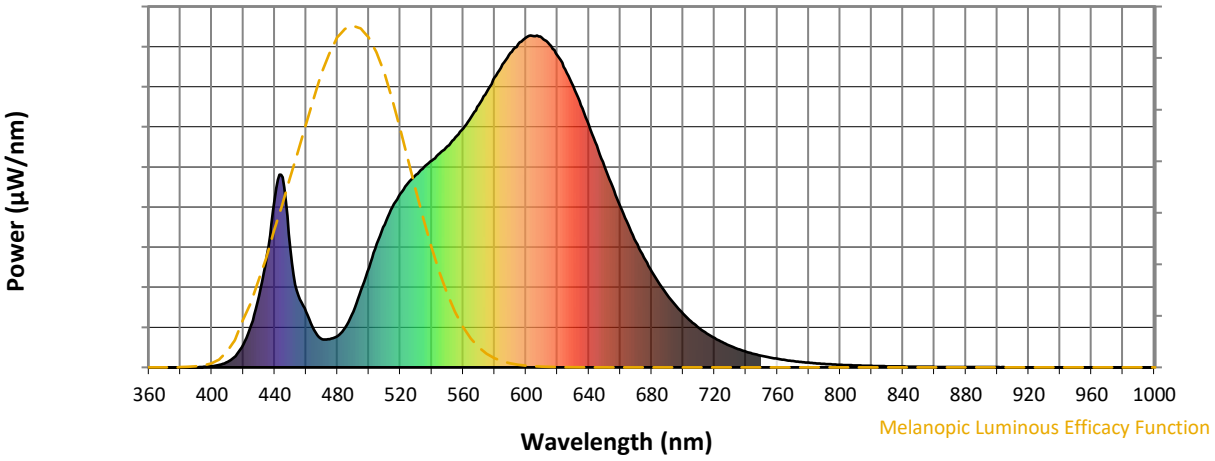
Melanopic Flux vs. Wavelength



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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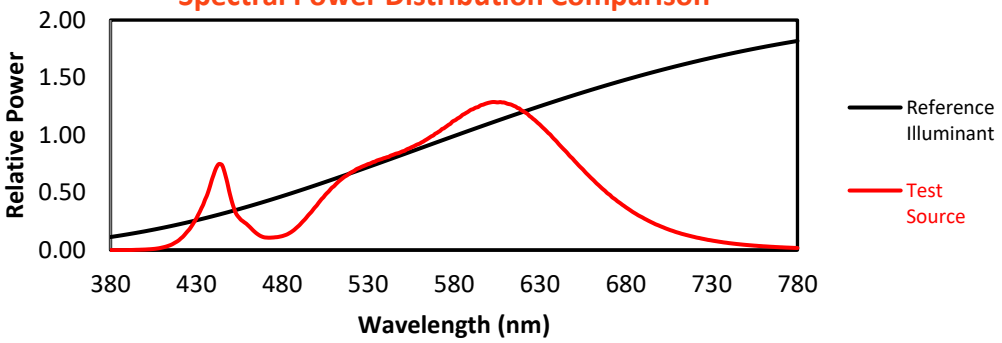
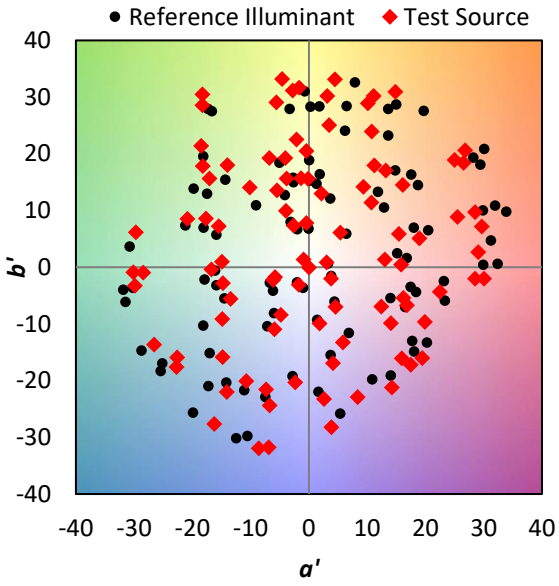
Summary

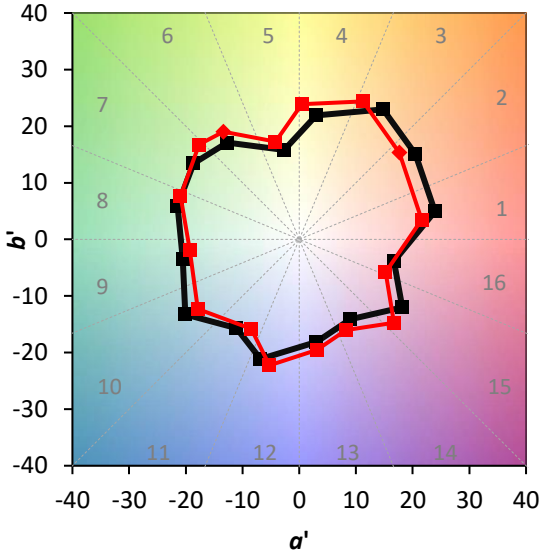
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

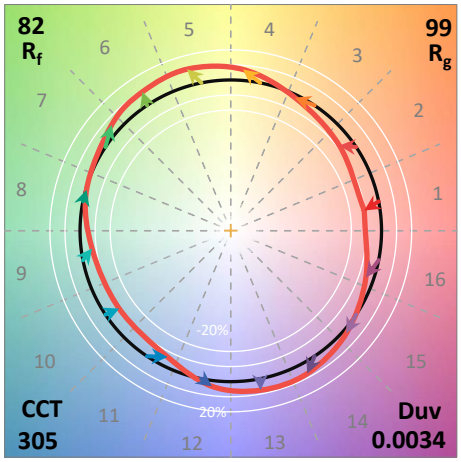
Spectral Power Distribution Comparison

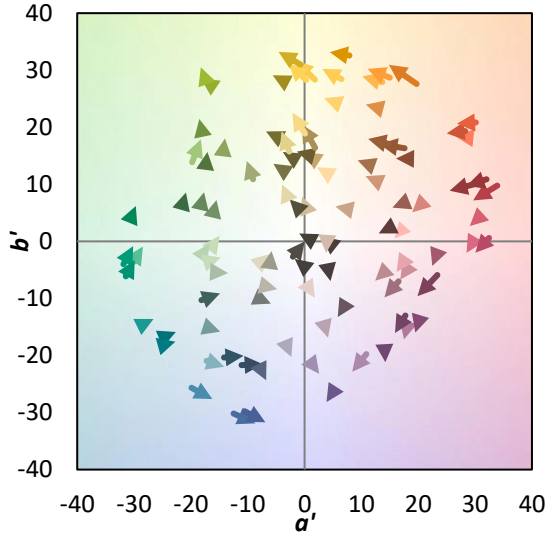


Color Vector Graphics









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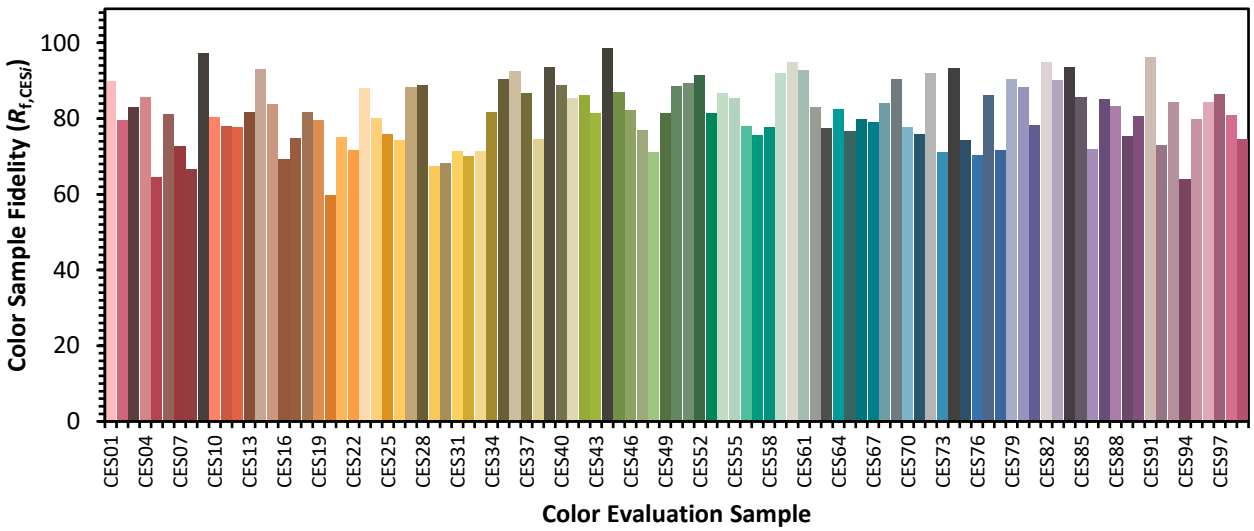
Individual Sample Fidelity Index ($R_{f,i}$)

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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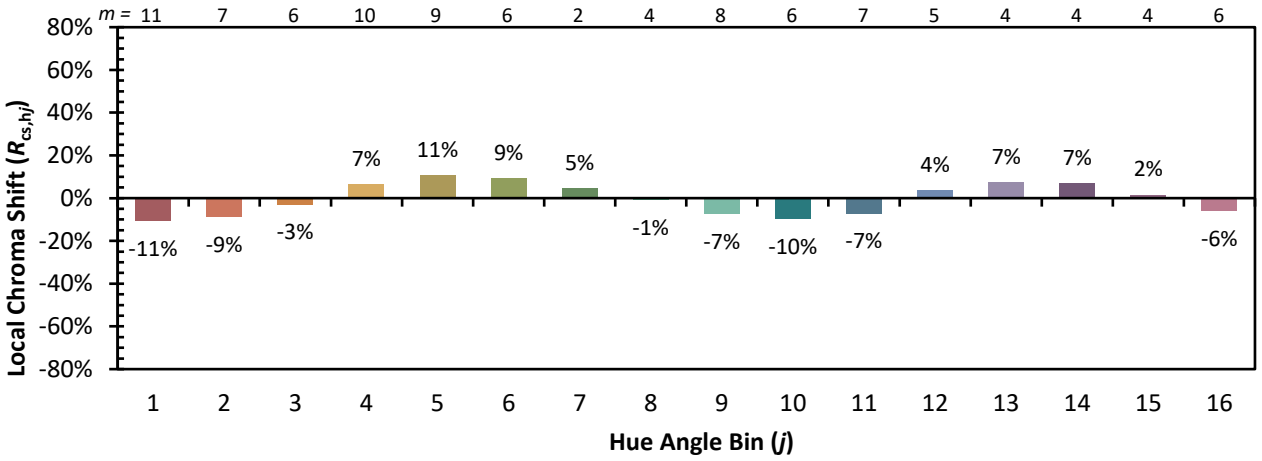
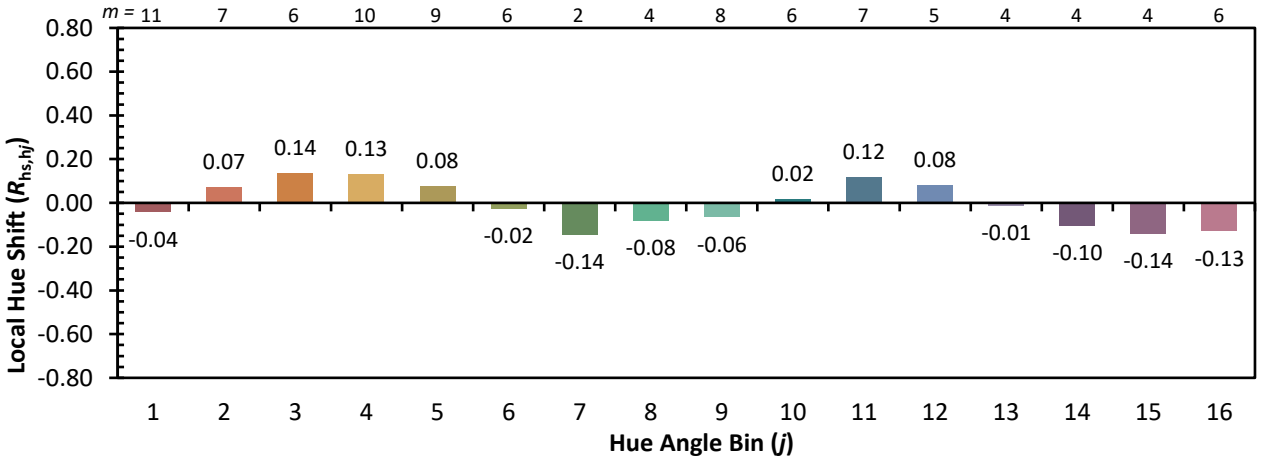
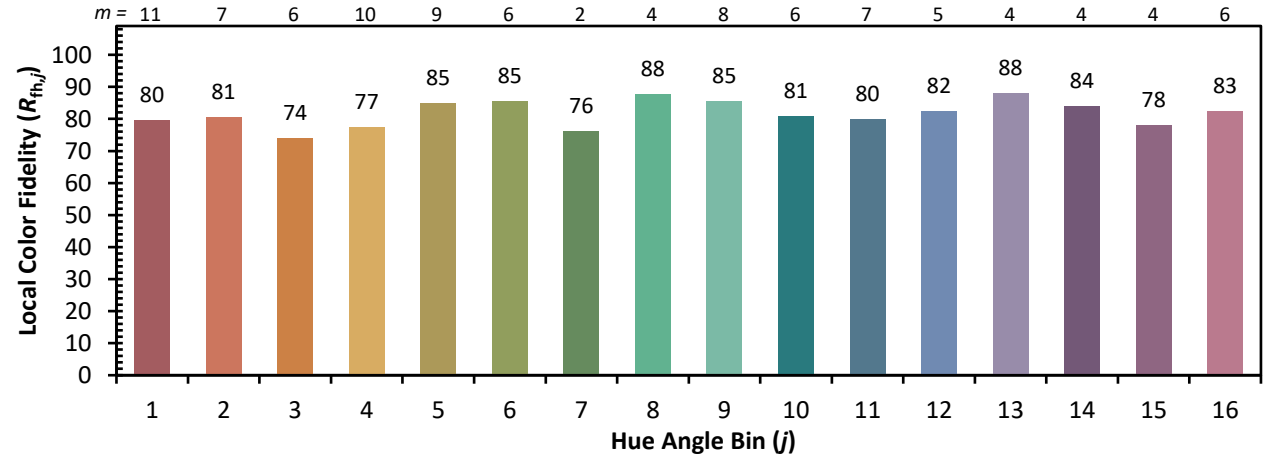
Color Rendition by Hue-Angle Bin







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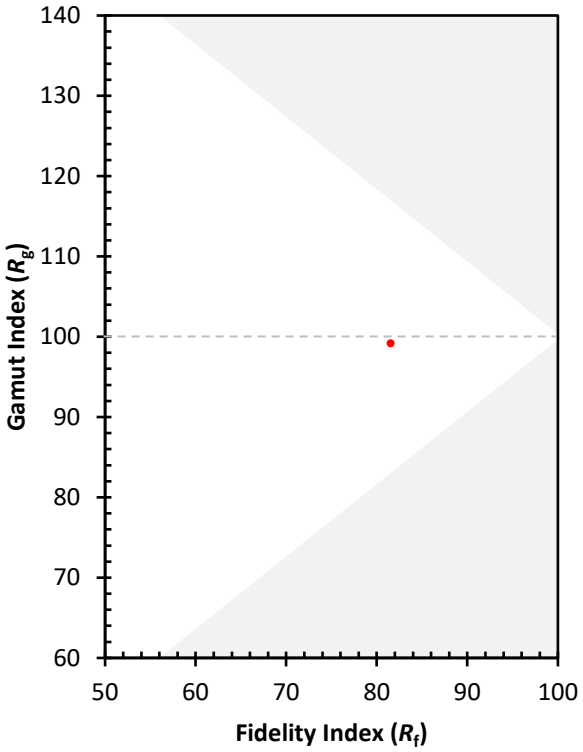
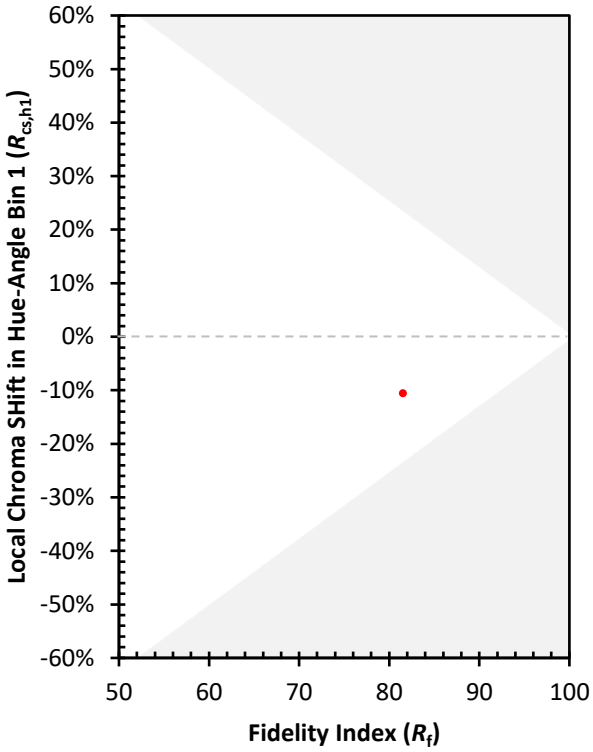
Measure Comparisons





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