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: P630057

Luminaire Tested: GWS-SA1C-830-U-SL2-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:	P630057
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA1C-830-U-SL2-W
Description:	GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source:	(16) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3752.2 lumens
Efficiency:	N/A
Efficacy:	110.0 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):	34.1
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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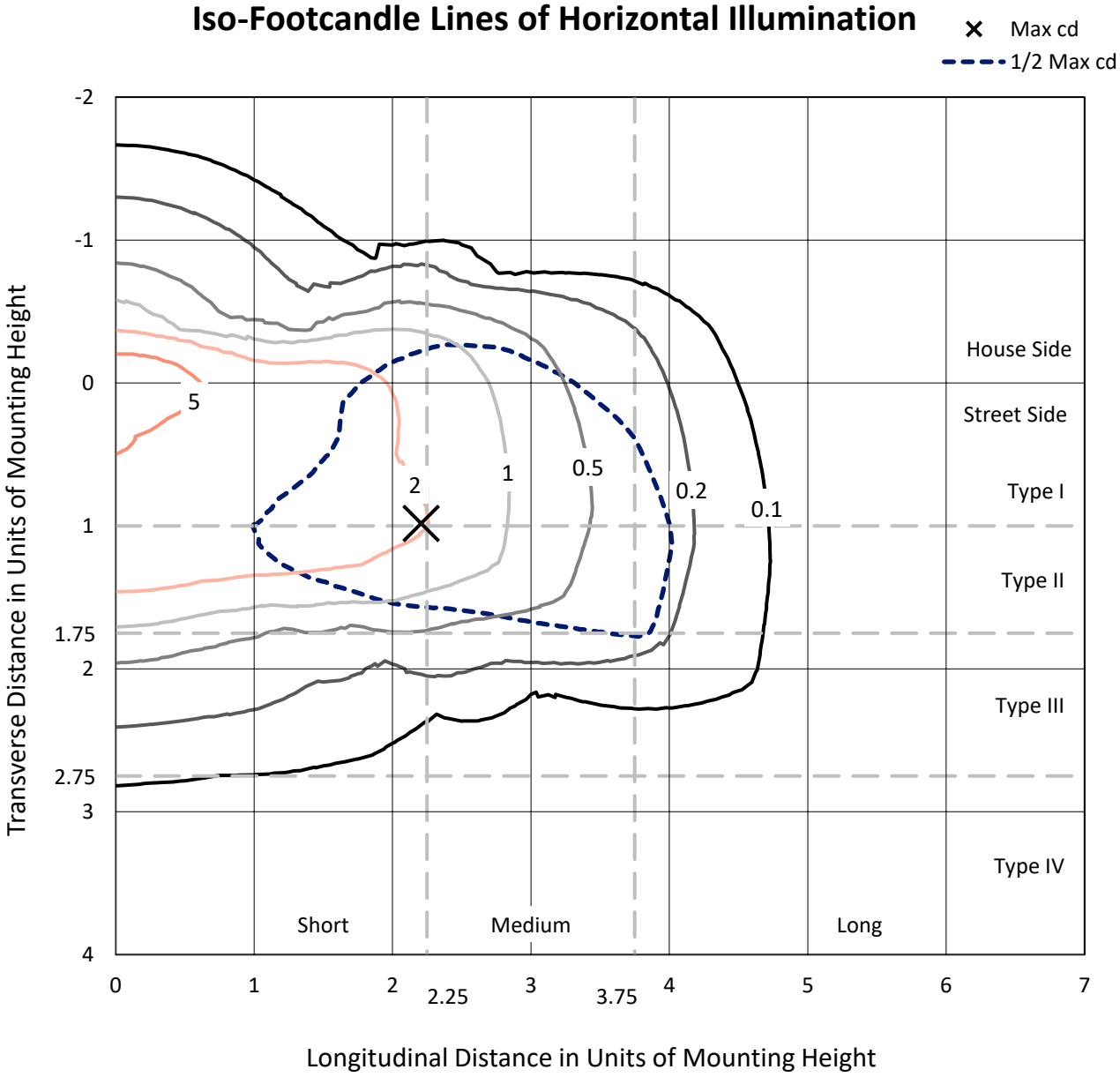
Scaled Data Report

REPORT NUMBER: P630057
CATALOG NUMBER: GWS-SA1C-830-U-SL2-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
Type II - Short - N/A

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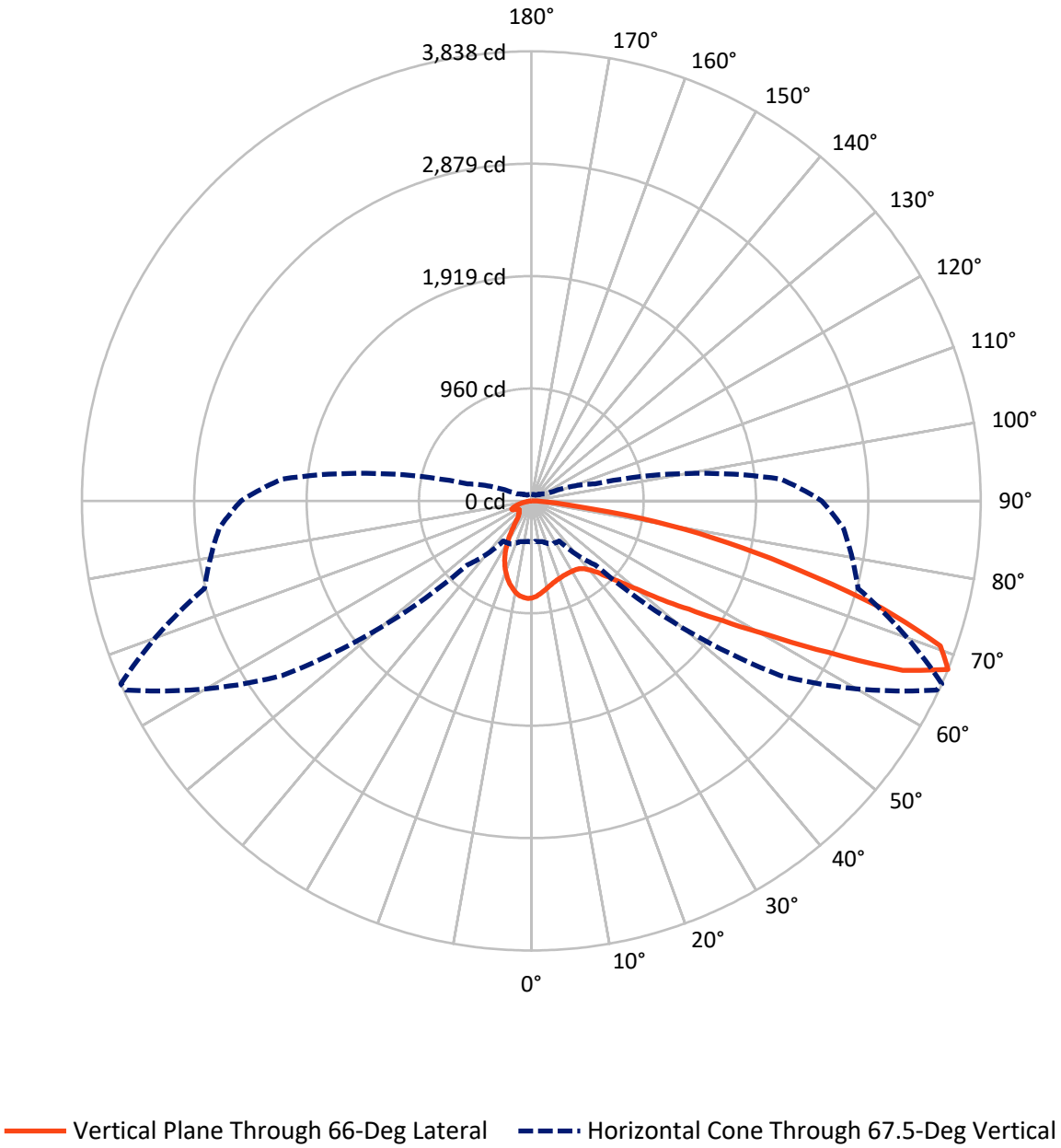
Luminous Intensity Polar Plot



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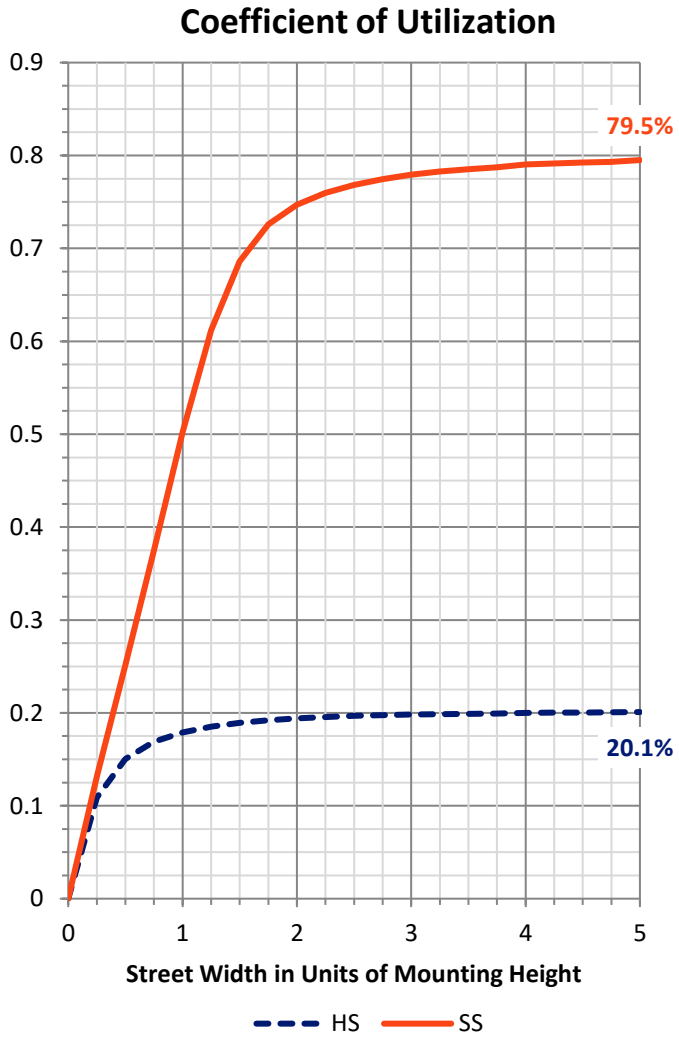
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	761.4	0.0	761.4
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	2990.8	0.0	2990.8
	% Fixture	79.7	0.0	79.7
Total	Lumens	3752.2	0.0	3752.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.8	1.9
10°-20°	178.8	4.8
20°-30°	245.8	6.6
30°-40°	336.1	9.0
40°-50°	509.2	13.6
50°-60°	791.6	21.1
60°-70°	963.8	25.7
70°-80°	587.1	15.6
80°-90°	67.1	1.8
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°	3752.2	100.0
0°-180°	3752.2	100.0



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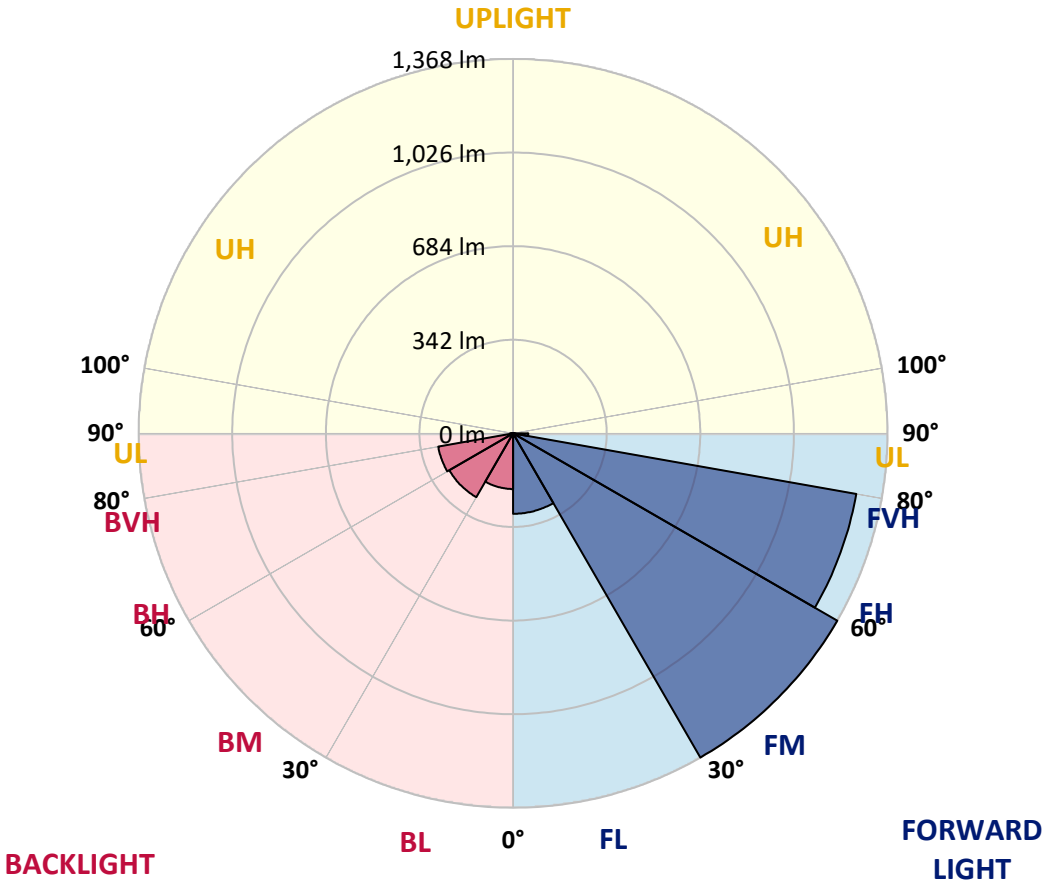
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	294.0	7.8			
FM	(30°-60°)	1367.8	36.5			
FH	(60°-80°)	1273.2	33.9			G1/1800
FVH	(80°-90°)	55.8	1.5			G1/100
BL	(0°-30°)	203.4	5.4	B1/500		
BM	(30°-60°)	269.1	7.2	B1/1000		
BH	(60°-80°)	277.6	7.4	B1/500		G1/500
BVH	(80°-90°)	11.3	0.3			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 Short



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Scaled Data Report

REPORT NUMBER: P630057
CATALOG NUMBER: GWS-SA1C-830-U-SL2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	*829.1*	829.1	829.1
2.5°	776.6	779.3	777.7	788.1	788.6	801.8	809.1	815.4	*816.0*	824.2	829.7
5°	723.5	725.1	725.1	735.0	741.5	759.1	776.0	794.1	*795.5*	815.2	830.2
7.5°	680.5	682.1	681.0	694.2	702.7	722.1	743.7	771.4	*774.1*	805.9	832.1
10°	646.8	646.3	649.0	661.1	672.0	695.3	719.4	750.8	*754.9*	795.2	834.3
12.5°	623.8	624.4	626.0	638.6	650.4	673.4	698.3	732.5	*736.9*	782.9	833.2
15°	612.9	611.8	613.2	624.7	635.9	656.1	681.9	717.2	*721.6*	771.9	833.5
17.5°	610.4	609.6	609.3	617.5	626.0	644.9	669.5	705.4	*710.1*	764.8	835.2
20°	618.1	617.0	614.0	617.5	621.1	637.0	660.8	696.9	*702.1*	760.1	838.4
22.5°	639.2	637.2	632.6	628.2	623.6	633.1	655.3	690.6	*695.8*	757.1	841.7
25°	671.2	669.5	664.6	654.8	637.8	636.1	654.2	687.9	*693.1*	754.9	843.1
27.5°	715.3	712.8	707.9	693.6	666.0	647.4	658.3	687.6	*692.5*	752.5	841.7
30°	767.5	765.9	763.2	745.9	709.0	671.2	667.6	689.8	*693.6*	751.1	839.0
32.5°	820.6	819.0	821.2	813.0	767.5	710.6	687.9	695.8	*698.6*	750.8	836.5
35°	867.5	869.4	885.2	886.6	842.0	764.0	719.9	709.8	*710.3*	756.3	837.6
37.5°	916.4	923.8	944.6	962.4	925.2	834.6	767.5	736.1	*735.5*	770.3	844.5
40°	981.3	984.6	1011.2	1044.6	1021.3	931.5	835.2	779.0	*775.2*	798.7	862.8
42.5°	1044.6	1052.5	1094.9	1133.2	1125.6	1040.7	920.3	843.4	*836.5*	849.1	900.6
45°	1125.0	1132.7	1180.3	1229.6	1243.6	1164.2	1029.2	934.8	*927.9*	924.9	969.8
47.5°	1205.5	1213.4	1256.1	1327.3	1376.3	1318.6	1171.0	1055.5	*1044.3*	1032.5	1074.4
50°	1259.7	1269.0	1309.8	1395.2	1510.2	1511.3	1339.1	1213.7	*1199.5*	1180.9	1221.7
52.5°	1257.8	1263.8	1302.7	1401.2	1606.5	1732.7	1564.1	1415.2	*1403.7*	1363.2	1398.8
55°	1159.0	1168.0	1207.2	1330.3	1616.9	1942.7	1894.8	1652.8	*1632.3*	1559.7	1598.9
57.5°	960.5	968.2	1007.6	1159.5	1524.7	2050.2	2314.7	1955.5	*1927.3*	1773.8	1818.9
60°	725.1	715.8	734.4	867.5	1304.1	2053.0	2685.3	2366.1	*2319.0*	2002.6	2040.4
62.5°	544.2	534.9	539.0	576.5	884.1	1887.1	2896.6	2927.8	*2850.1*	2261.0	2253.6
65°	430.0	424.8	436.6	462.3	515.4	1437.1	2898.3	3535.2	*3486.2*	2560.5	2472.3
67.5°	*350.4*	*347.1*	*359.1*	*406.8*	*418.0*	*772.2*	*2598.8*	*3818.8*	*3838.0*	*2888.4*	*2675.2*
70°	282.2	277.3	296.2	358.9	388.7	467.3	1861.6	3674.3	*3705.2*	3083.8	2618.0
72.5°	194.9	195.2	204.8	290.7	375.3	403.5	1053.0	3059.5	*3126.5*	2906.7	2301.5
75°	131.4	132.5	135.2	191.9	345.7	391.4	561.1	2316.3	*2363.7*	2402.5	1902.4
77.5°	79.4	79.9	86.2	116.1	238.4	365.4	380.2	1679.1	*1716.3*	1583.8	1179.2
80°	46.0	47.9	53.7	77.7	161.0	274.6	294.3	1029.5	*1071.7*	704.0	374.7
82.5°	20.3	21.6	29.3	45.2	93.9	233.5	229.7	406.8	*400.7*	196.3	130.0
85°	3.6	4.4	6.3	14.2	34.5	123.2	178.2	179.6	*168.9*	74.5	53.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	26.8	48.2	*47.9*	21.1	18.6
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: P630057
CATALOG NUMBER: GWS-SA1C-830-U-SL2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1	829.1
2.5°	833.2	825.8	832.4	833.2	831.9	830.8	822.6	815.4	814.6	807.0	807.0
5°	836.2	829.4	832.7	826.4	816.5	806.4	788.9	776.8	771.4	761.5	761.5
7.5°	840.4	833.2	829.4	813.8	790.8	768.6	740.4	716.9	707.3	693.4	692.8
10°	844.2	835.2	822.0	791.6	754.9	719.6	678.6	645.2	622.5	605.8	605.8
12.5°	843.9	832.1	806.1	761.2	710.6	659.4	604.7	554.3	524.2	498.2	496.5
15°	843.4	827.2	785.9	725.9	658.9	588.0	513.5	447.8	403.2	377.7	375.6
17.5°	842.8	820.9	763.2	685.7	595.9	499.3	401.0	329.8	292.6	277.0	277.6
20°	842.8	813.8	738.8	639.4	523.4	393.1	294.3	242.5	233.2	234.0	234.9
22.5°	840.4	805.0	711.7	589.1	442.6	289.1	217.1	199.5	204.5	212.1	213.2
25°	834.6	790.5	680.2	533.2	346.5	210.5	177.1	173.8	182.9	192.4	195.2
27.5°	825.6	773.8	644.9	467.8	255.1	169.2	155.8	155.5	162.6	169.7	172.2
30°	816.0	755.2	607.7	395.0	184.8	147.3	142.1	142.1	145.6	150.0	149.5
32.5°	804.8	736.3	567.7	319.2	150.6	134.9	133.3	132.5	133.0	134.7	134.7
35°	795.2	719.6	526.7	239.0	134.9	128.1	126.5	124.5	123.7	122.6	123.2
37.5°	791.6	706.5	484.2	180.1	127.3	123.2	120.4	117.7	115.8	115.2	115.0
40°	797.4	701.0	441.8	148.4	121.8	118.0	115.0	111.4	109.8	109.8	109.8
42.5°	819.8	705.1	398.6	134.1	118.0	113.6	109.2	105.9	105.4	105.9	106.2
45°	860.9	721.0	353.7	127.0	114.7	109.2	104.0	101.6	101.6	102.1	102.1
47.5°	934.2	762.6	309.3	122.6	111.4	105.7	100.2	97.7	97.4	98.0	98.0
50°	1061.3	837.6	269.4	119.6	108.9	102.9	97.4	94.2	93.3	93.1	93.1
52.5°	1221.4	967.6	243.9	117.4	105.9	99.9	94.4	90.1	88.4	87.6	87.6
55°	1414.9	1140.9	243.9	115.8	102.1	96.4	90.1	85.7	83.2	82.1	82.1
57.5°	1634.2	1342.6	286.0	114.4	99.1	92.2	85.4	81.0	78.3	76.6	76.6
60°	1857.3	1555.9	390.3	112.5	96.4	87.0	80.2	76.1	72.5	70.6	70.3
62.5°	2088.6	1790.7	527.8	113.6	94.4	82.1	74.7	70.1	67.1	65.1	64.9
65°	2300.4	2014.4	647.9	122.1	94.7	77.7	68.4	64.3	61.9	59.4	59.1
67.5°	*2480.3*	*2137.8*	*563.6*	*139.3*	*100.5*	*72.5*	*62.1*	*58.0*	*55.8*	*54.2*	*53.9*
70°	2354.4	1949.5	319.7	150.0	108.4	67.1	55.0	52.3	50.1	49.0	48.7
72.5°	2013.3	1650.6	213.8	132.5	98.8	59.9	48.5	46.3	44.6	43.2	43.0
75°	1630.9	1309.0	163.4	108.7	76.9	48.7	41.6	40.0	38.3	37.0	36.7
77.5°	964.9	756.3	120.4	86.0	54.2	38.0	34.5	33.1	31.5	30.4	30.1
80°	307.9	262.8	76.4	59.1	35.9	29.3	26.6	25.5	23.8	22.4	22.2
82.5°	117.4	101.6	40.5	30.1	23.8	20.0	17.8	16.7	15.6	14.2	14.0
85°	52.0	48.7	22.4	16.2	12.9	9.9	8.8	8.2	6.8	5.7	5.5
87.5°	18.3	18.3	9.6	4.7	2.7	1.4	0.8	0.3	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

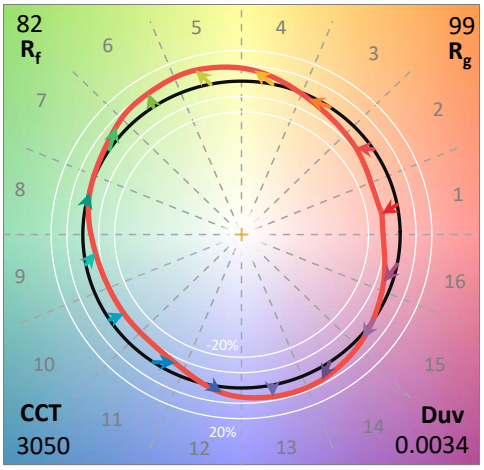
Test Information

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

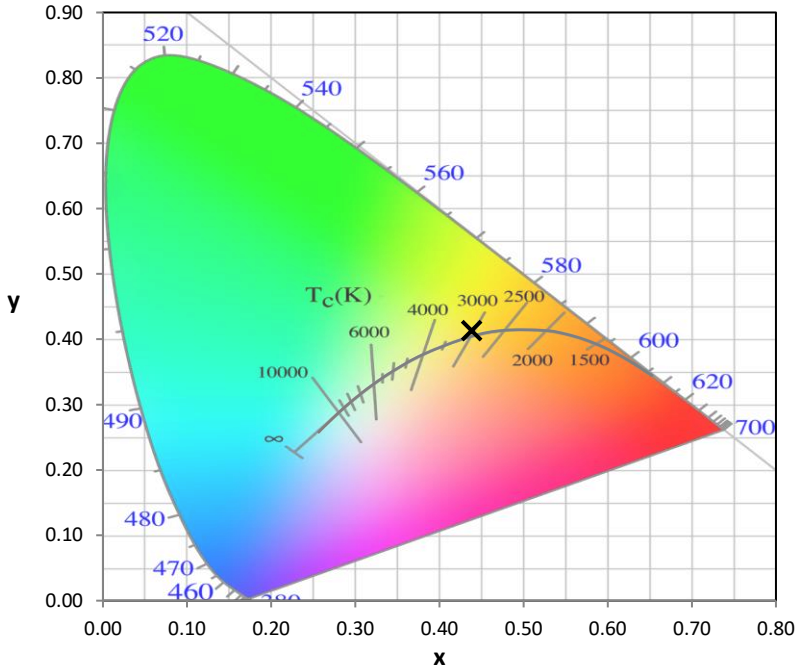
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

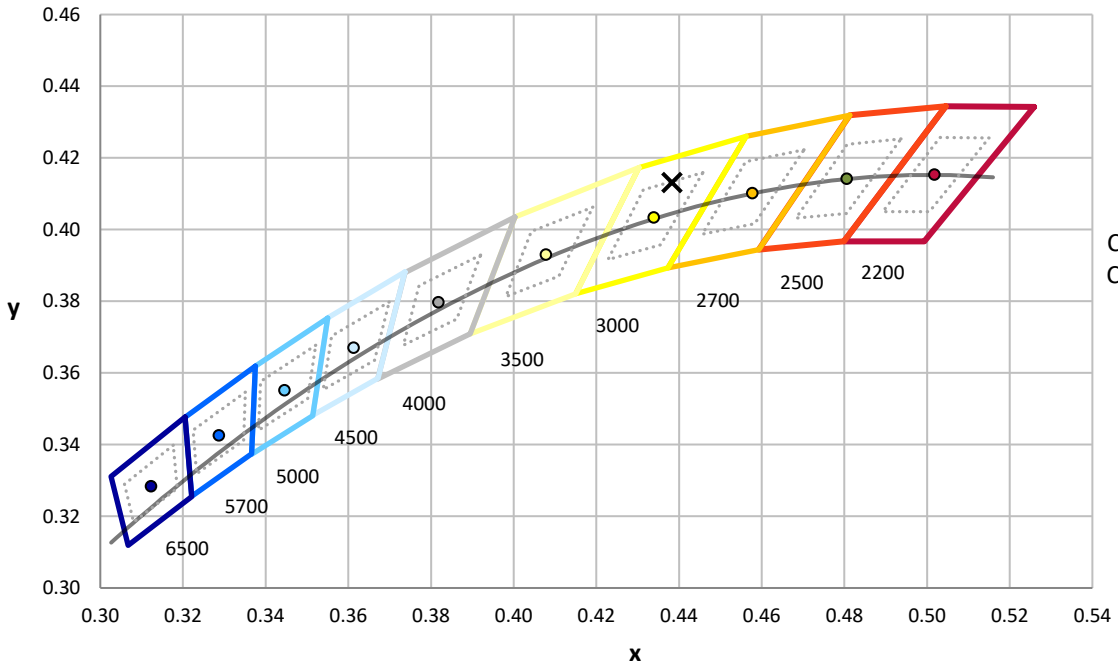
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

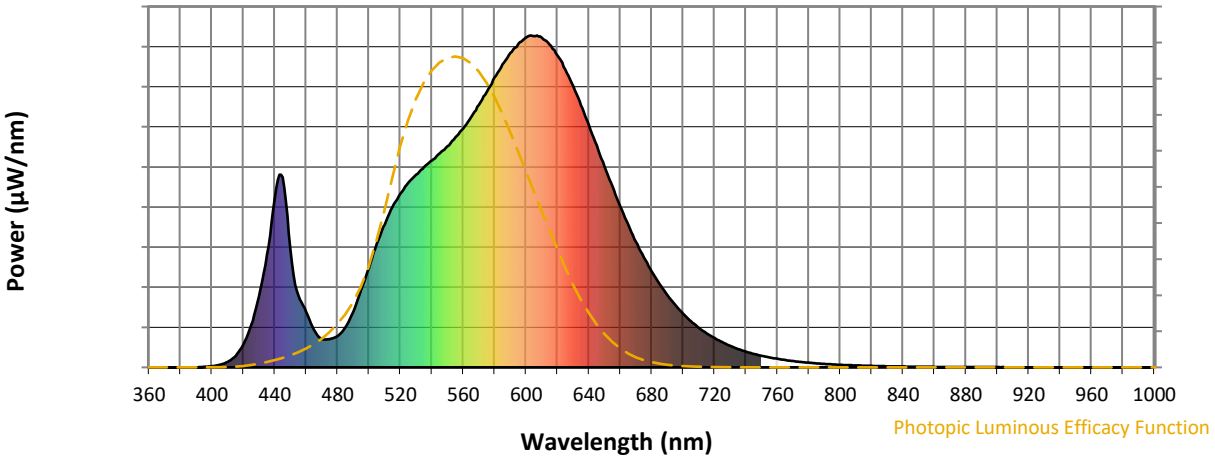


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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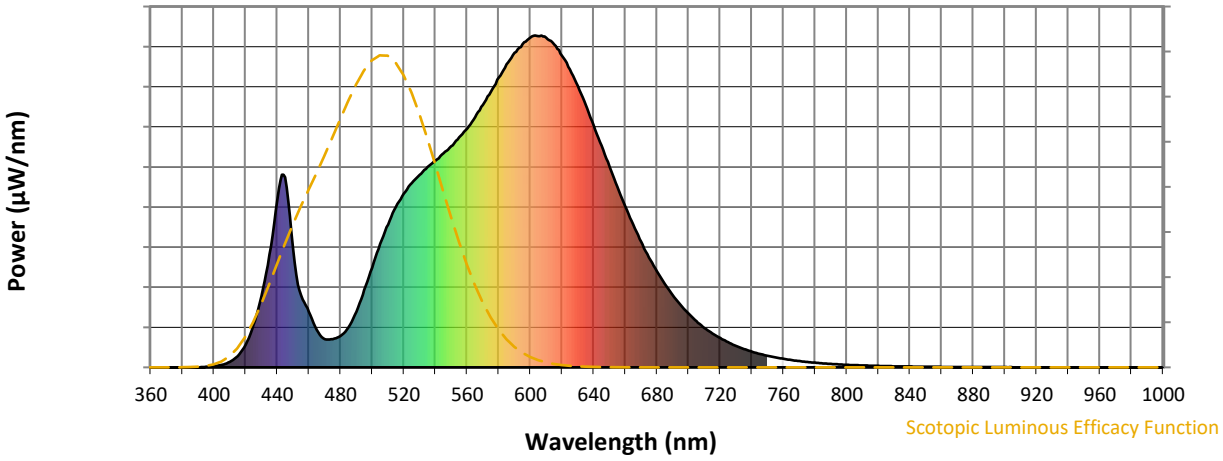
Scotopic Flux vs. Wavelength



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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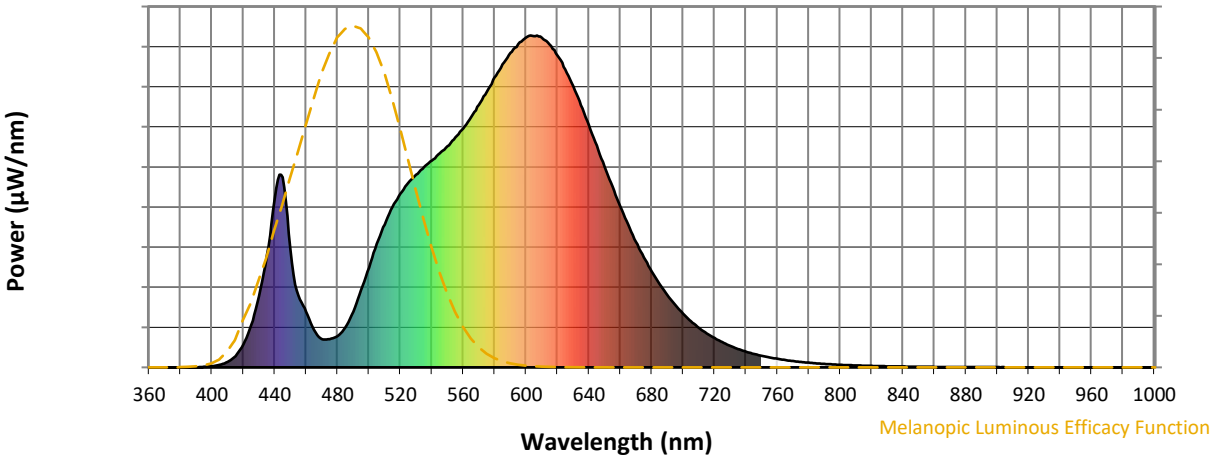
Melanopic Flux vs. Wavelength



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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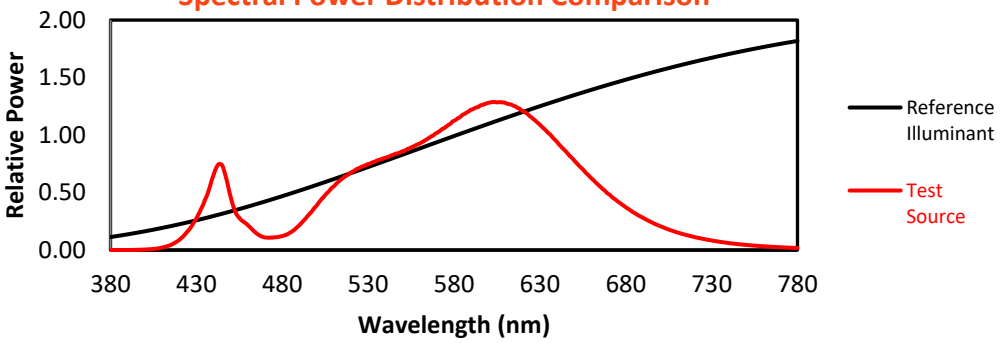
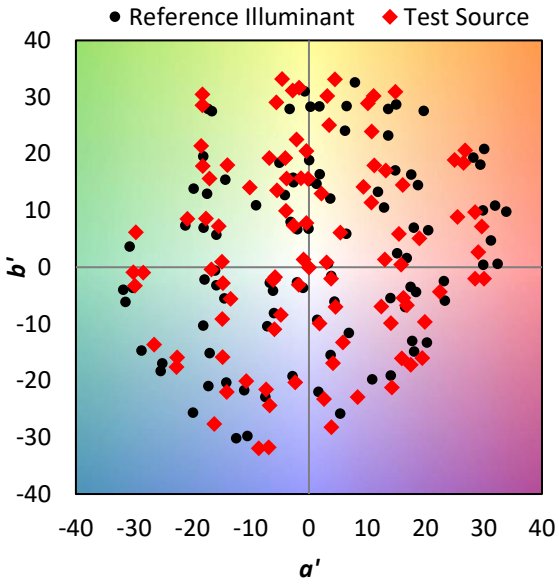
Summary

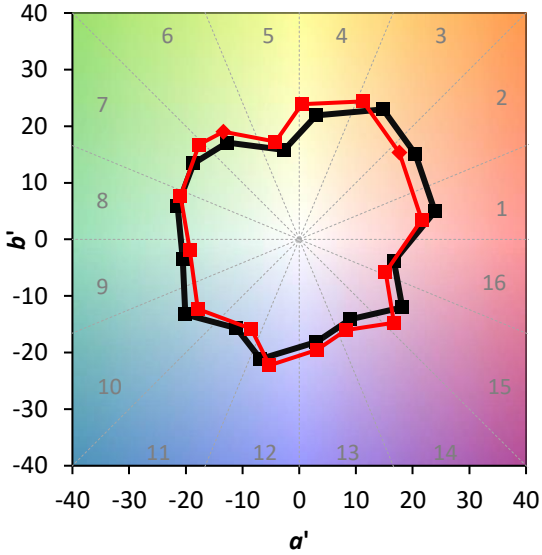
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

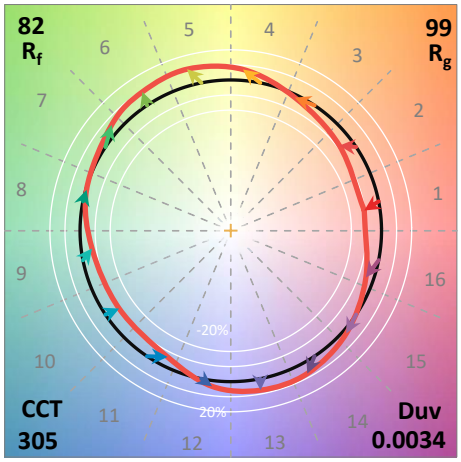
Spectral Power Distribution Comparison

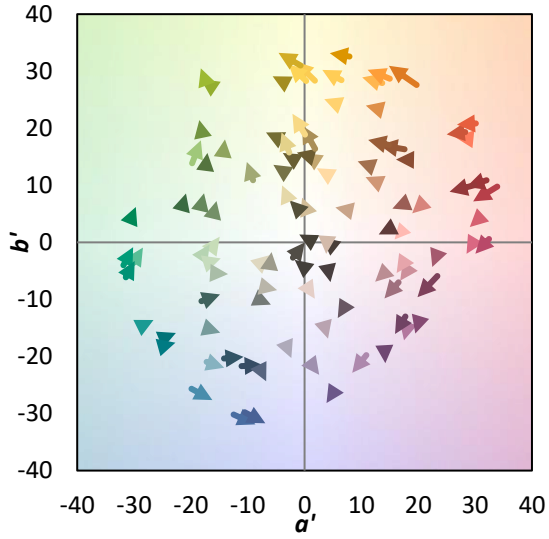


Color Vector Graphics









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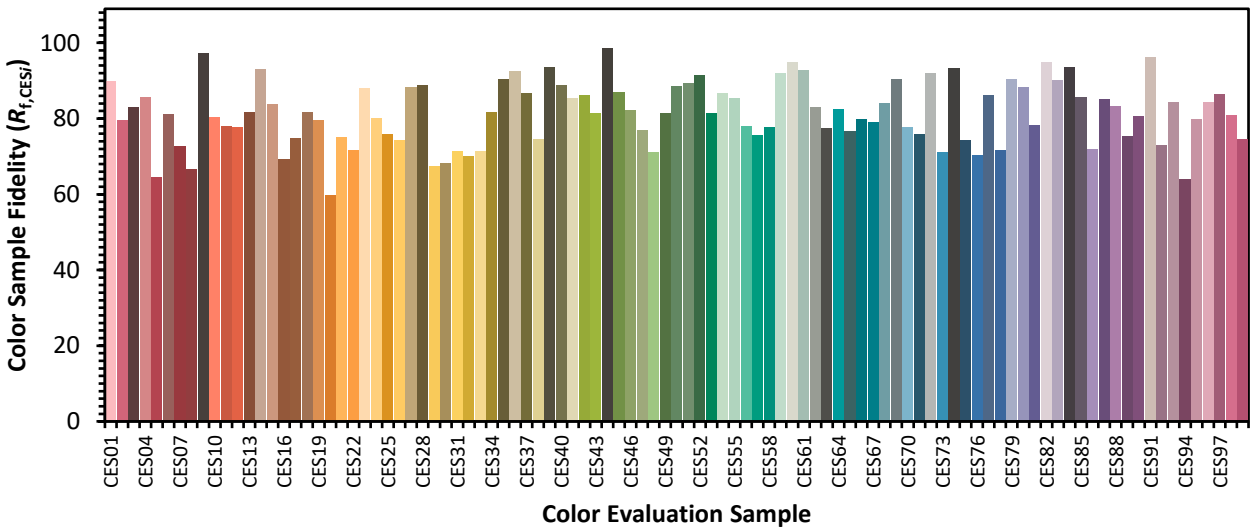
Individual Sample Fidelity Index ($R_{f,i}$)

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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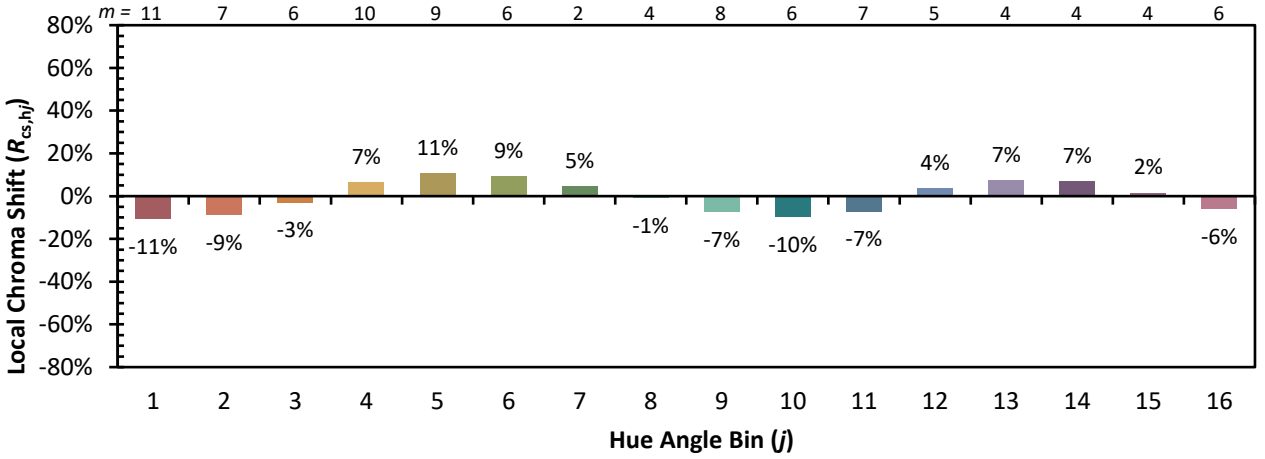
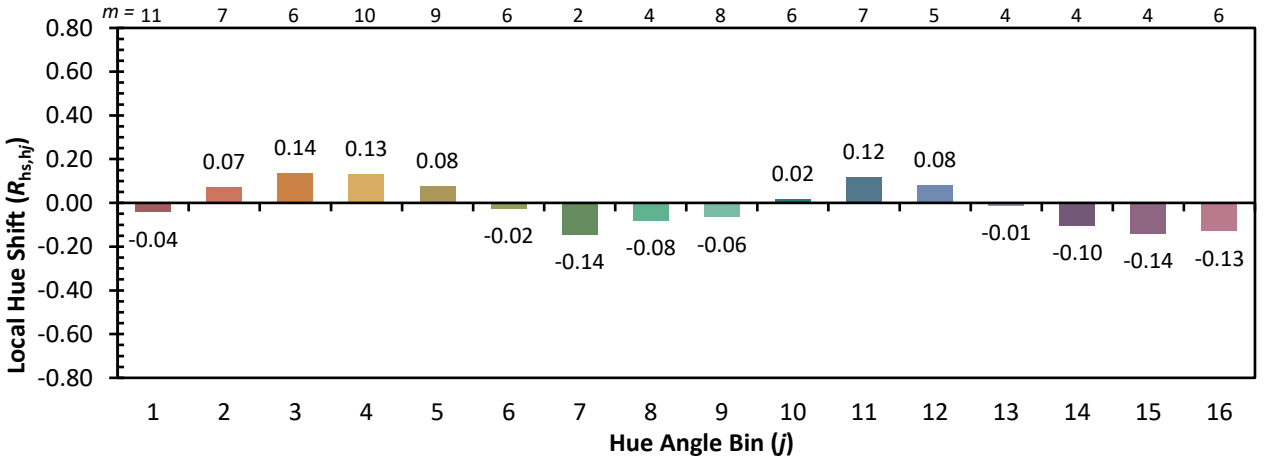
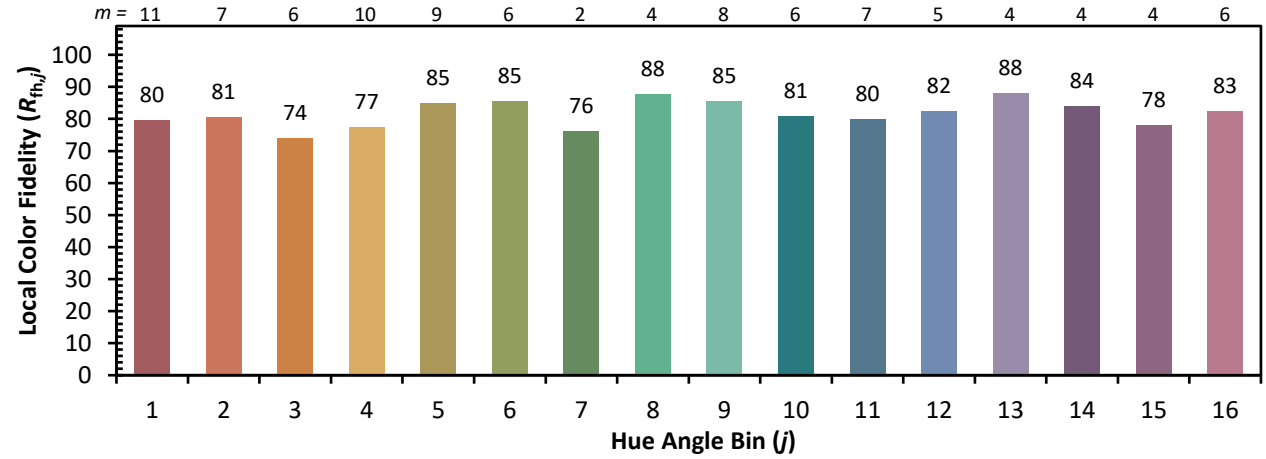
Color Rendition by Hue-Angle Bin







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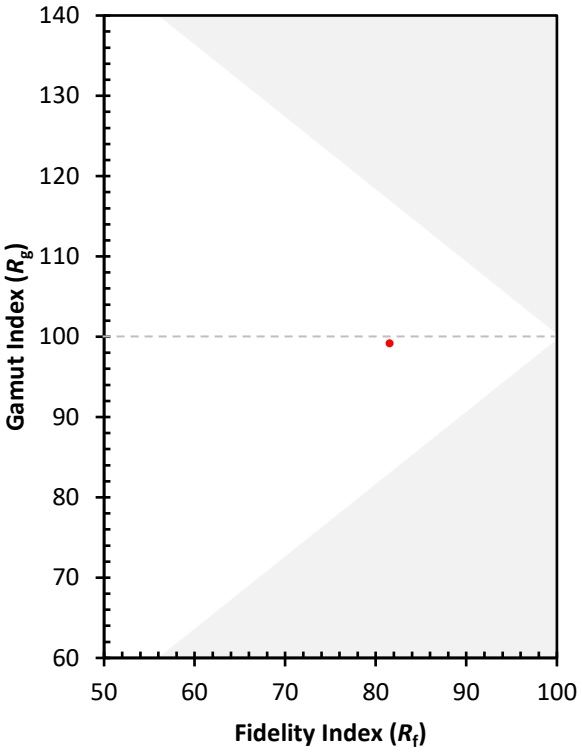
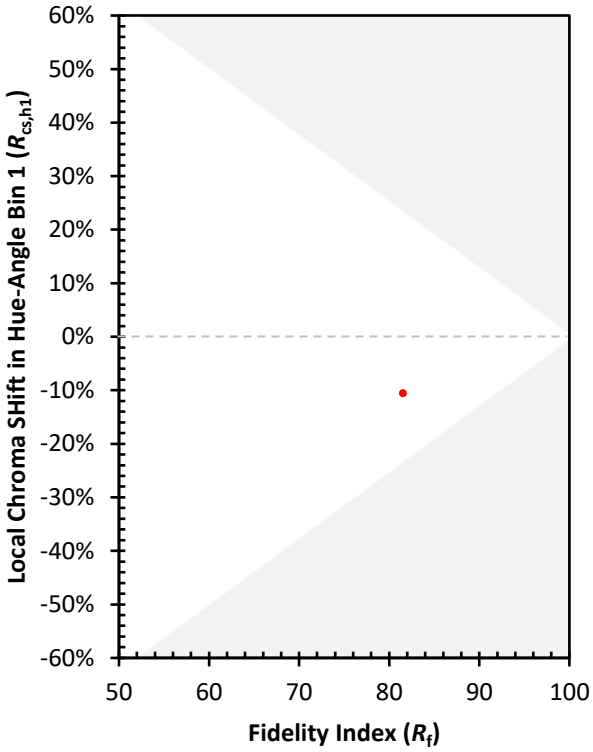
Measure Comparisons





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