Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P438450

Luminaire Tested: **ISW-SA1C-830-U-SL4**

Issue Date: 12/10/2020

Report Generated By 670245982

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P438450
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-074-18)
Test Lab:	INNOVATION CENTER
Issue Date:	12/10/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	ISW-SA1C-830-U-SL4
Description:	IMPACT ELITE LED WEDGE LUMINAIRE
	(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3497 lumens
Efficiency:	N/A
Efficacy:	102.3 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	34.2
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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REPORT NUMBER: P438450
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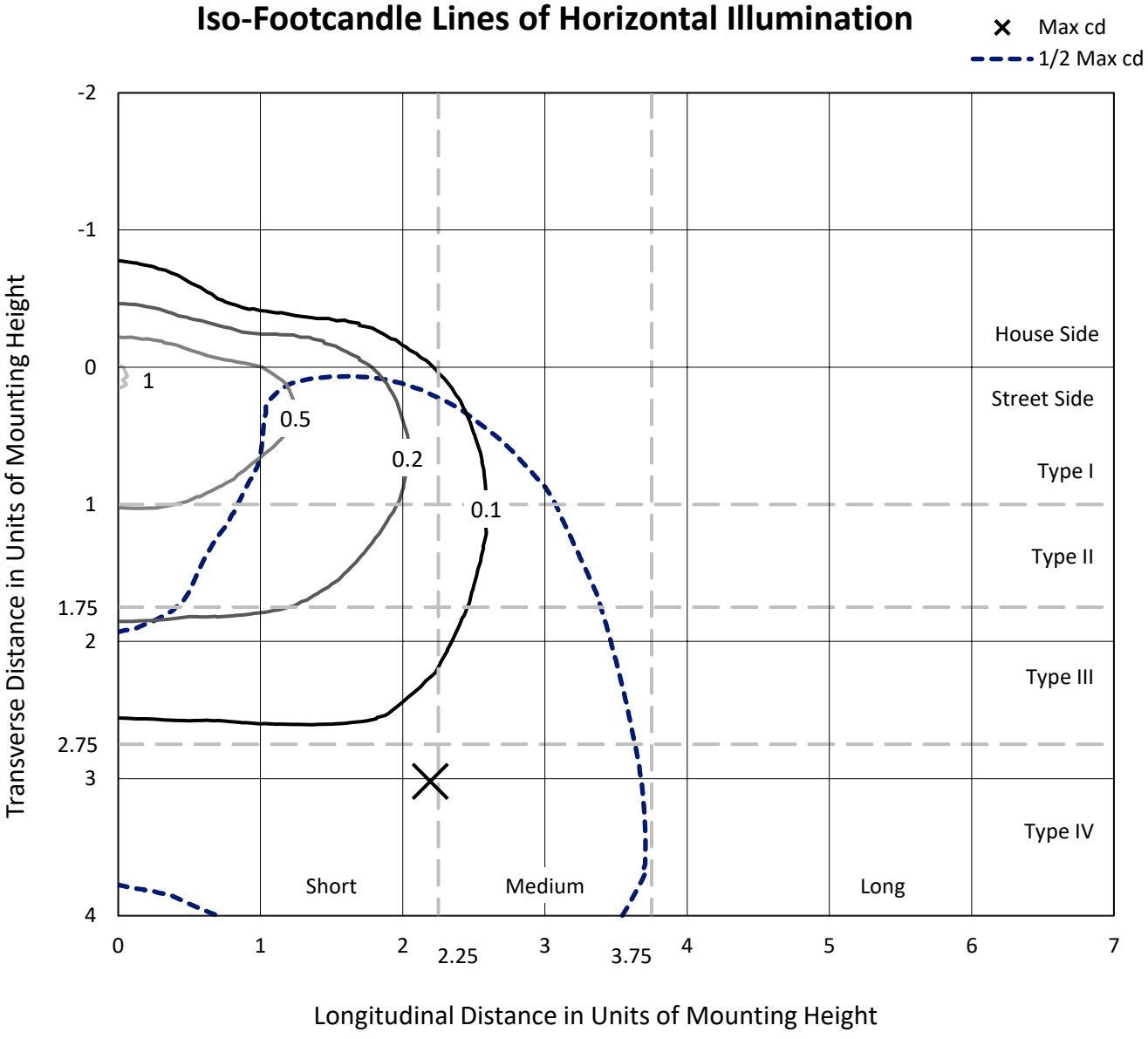
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1 fc
Type IV - Short - N/A

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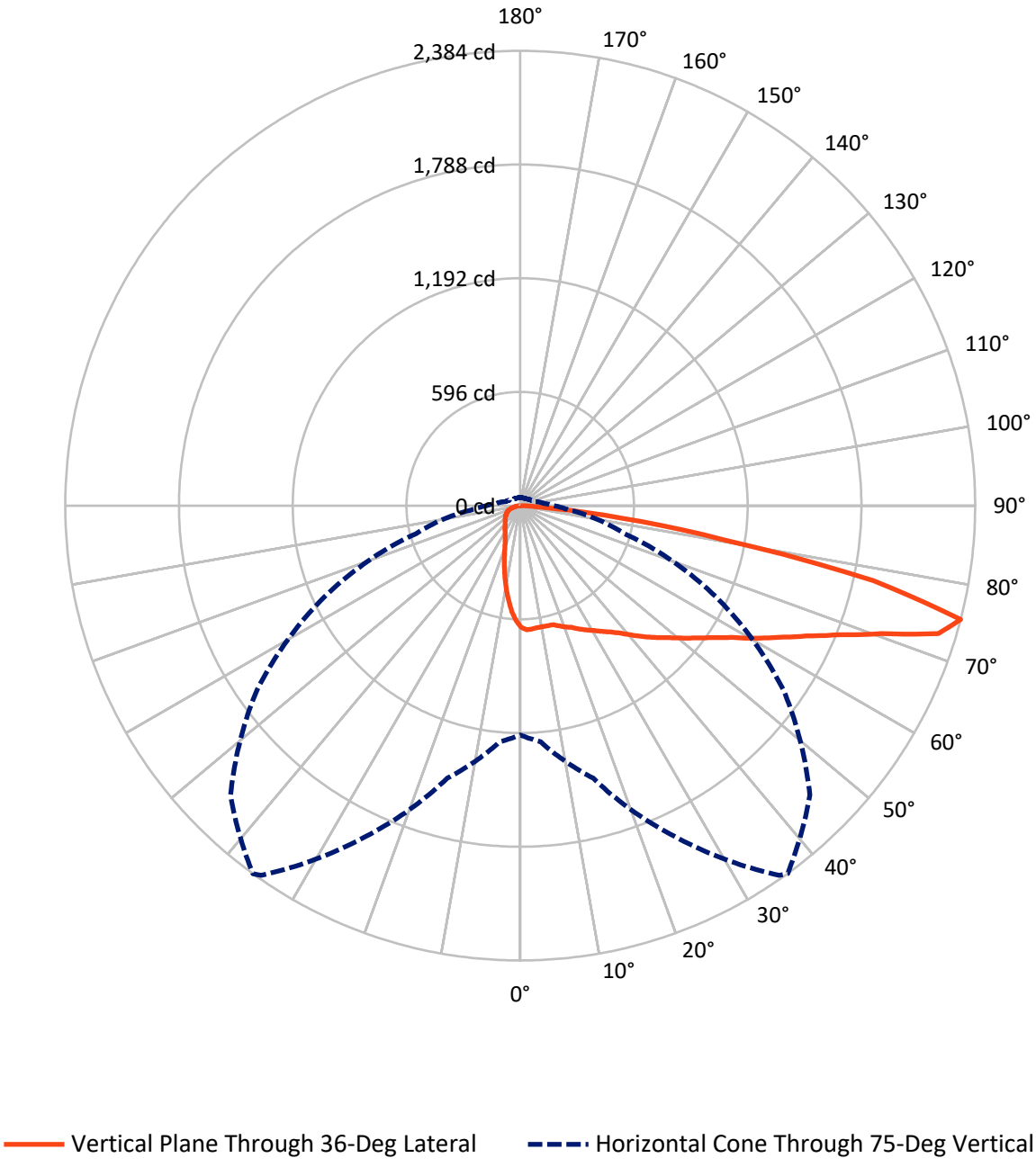
Luminous Intensity Polar Plot



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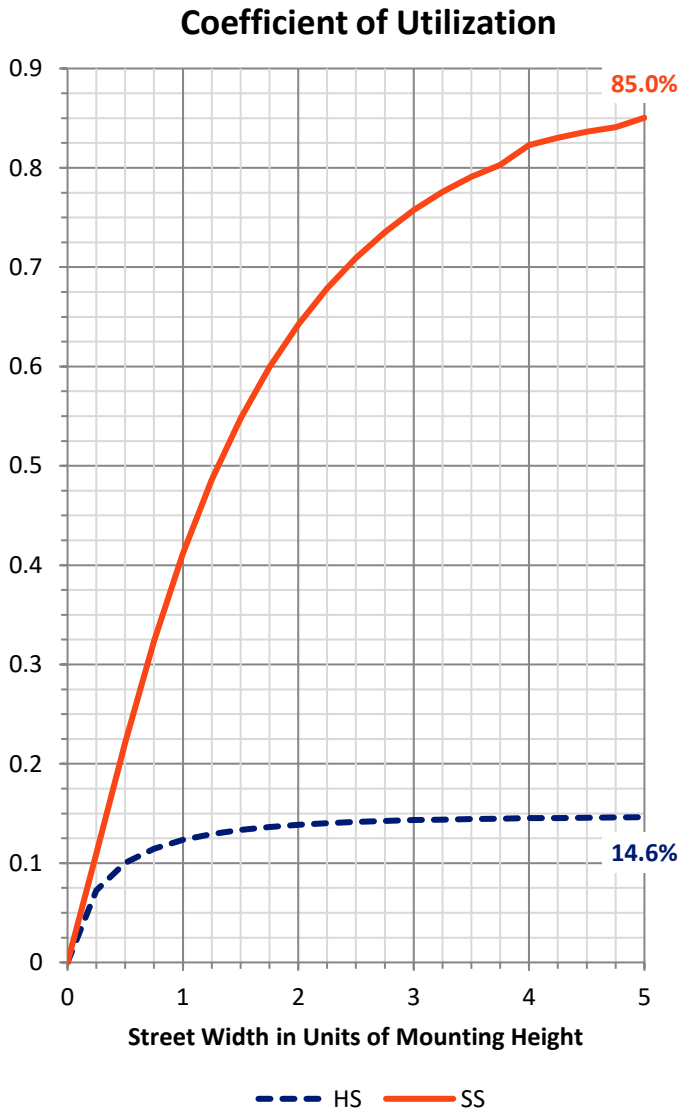
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	516.1	0.0	516.1
	% Fixture	14.8	0.0	14.8
Street Side	Lumens	2980.9	0.0	2980.9
	% Fixture	85.2	0.0	85.2
Total	Lumens	3497.0	0.0	3497.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.3	1.6
10°-20°	145.5	4.2
20°-30°	225.0	6.4
30°-40°	325.9	9.3
40°-50°	471.4	13.5
50°-60°	653.8	18.7
60°-70°	825.6	23.6
70°-80°	709.1	20.3
80°-90°	84.5	2.4
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°	3497.0	100.0
0°-180°	3497.0	100.0



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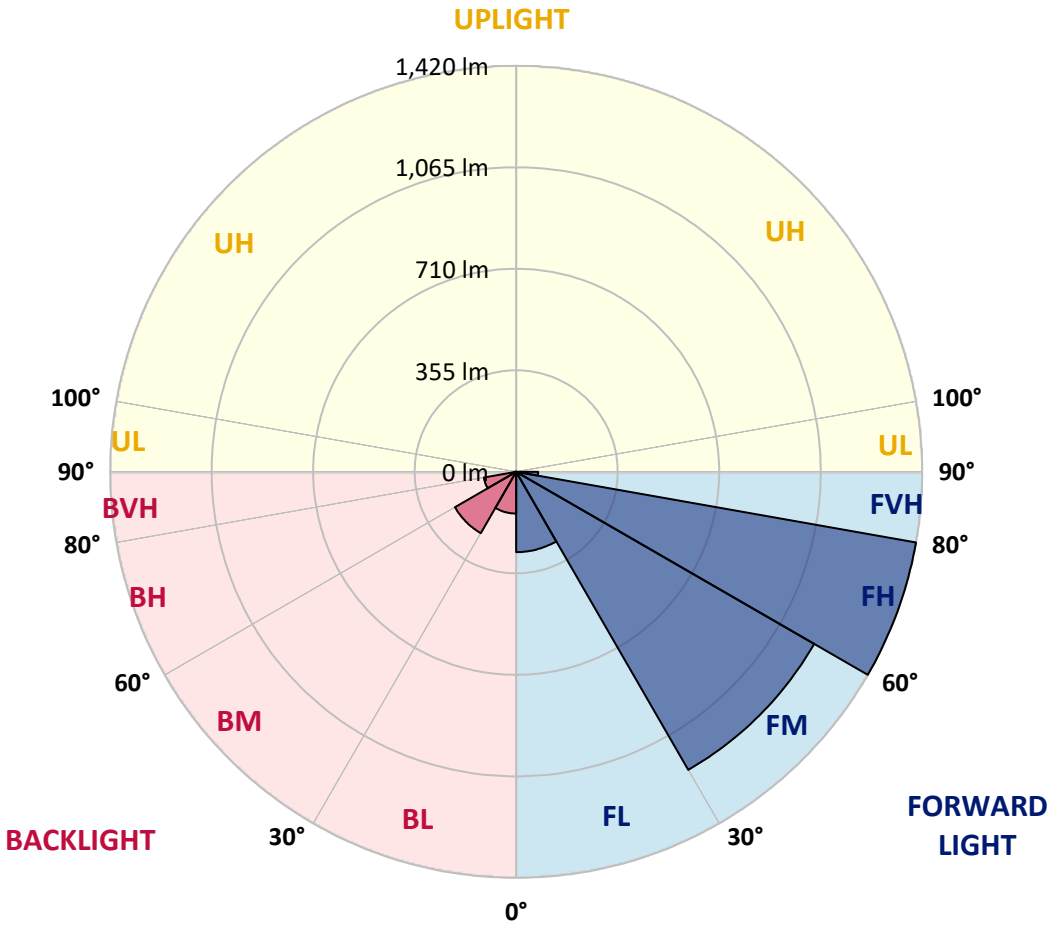
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	280.8	8.0			
FM	(30°-60°)	1203.6	34.4			
FH	(60°-80°)	1419.8	40.6			G1/1800
FVH	(80°-90°)	76.7	2.2			G1/100
BL	(0°-30°)	146.0	4.2	B1/500		
BM	(30°-60°)	247.4	7.1	B1/1000		
BH	(60°-80°)	114.9	3.3	B1/500		G1/500
BVH	(80°-90°)	7.8	0.2			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 IV Short



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Scaled Data Report

REPORT NUMBER: P438450
CATALOG NUMBER: ISW-SA1C-830-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	638.0	638.0	638.0	638.0	638.0	*638.0*	638.0	638.0	638.0	638.0	638.0
2.5°	656.3	656.3	656.3	655.0	652.4	*651.1*	648.4	645.8	644.5	639.3	638.0
5°	656.3	657.6	656.3	655.0	652.4	*649.8*	647.1	641.9	638.0	631.5	625.0
7.5°	649.8	651.1	651.1	649.8	647.1	*645.8*	643.2	636.7	631.5	622.4	611.9
10°	639.3	641.9	641.9	643.2	644.5	*644.5*	641.9	636.7	628.9	618.4	601.5
12.5°	626.3	632.8	636.7	640.6	645.8	*645.8*	647.1	639.3	632.8	618.4	601.5
15°	622.4	626.3	634.1	645.8	651.1	*647.1*	652.4	648.4	640.6	626.3	605.4
17.5°	621.0	625.0	638.0	652.4	660.2	*662.8*	662.8	657.6	648.4	634.1	608.0
20°	626.3	631.5	648.4	666.7	678.5	*678.5*	677.2	670.6	658.9	641.9	613.2
22.5°	643.2	644.5	664.1	686.3	695.4	*692.8*	695.4	683.7	670.6	653.7	619.7
25°	665.4	668.0	683.7	709.8	715.0	*716.3*	712.4	699.3	685.0	668.0	627.6
27.5°	695.4	699.3	711.1	735.9	739.8	*737.2*	732.0	716.3	701.9	686.3	643.2
30°	730.6	733.3	747.6	758.0	762.0	*759.3*	755.4	738.5	726.7	712.4	666.7
32.5°	764.6	765.9	781.5	792.0	785.4	*785.4*	780.2	763.3	754.1	751.5	696.7
35°	799.8	802.4	816.8	822.0	811.5	*812.8*	811.5	797.2	799.8	805.0	742.4
37.5°	832.4	836.3	853.3	854.6	850.7	*846.8*	850.7	842.9	848.1	868.9	795.9
40°	861.1	866.3	887.2	891.1	889.8	*889.8*	892.4	891.1	910.7	944.6	861.1
42.5°	884.6	891.1	915.9	926.4	934.2	*938.1*	947.2	949.8	978.5	1033.3	936.8
45°	908.1	914.6	948.5	965.5	983.8	*985.1*	1003.3	1012.5	1066.0	1115.5	1019.0
47.5°	935.5	943.3	974.6	1008.6	1029.4	*1033.3*	1067.3	1085.5	1150.8	1214.7	1096.0
50°	973.3	975.9	1000.7	1058.1	1084.2	*1090.7*	1128.6	1166.4	1238.2	1302.1	1163.8
52.5°	1020.3	1017.7	1029.4	1102.5	1142.9	*1152.1*	1213.4	1251.2	1337.3	1396.1	1217.3
55°	1059.4	1056.8	1073.8	1153.4	1217.3	*1219.9*	1293.0	1329.5	1428.7	1465.2	1263.0
57.5°	1105.1	1099.9	1116.8	1214.7	1302.1	*1303.4*	1388.2	1430.0	1510.9	1526.5	1293.0
60°	1142.9	1142.9	1165.1	1274.7	1396.1	*1410.4*	1487.4	1520.0	1590.5	1570.9	1307.3
62.5°	1178.2	1184.7	1216.0	1354.3	1507.0	*1518.7*	1597.0	1610.0	1672.7	1604.8	1291.7
65°	1219.9	1230.4	1290.4	1449.5	1638.7	*1646.6*	1711.8	1730.1	1754.9	1603.5	1223.8
67.5°	1264.3	1281.2	1360.8	1556.5	1783.6	*1804.4*	1874.9	1856.6	1809.7	1552.6	1081.6
70°	1324.3	1345.2	1458.7	1698.8	1981.9	*2008.0*	2100.6	1988.4	1780.9	1371.3	876.8
72.5°	1370.0	1397.4	1552.6	1882.7	2250.6	*2291.1*	2268.9	1991.0	1597.0	1093.4	587.1
75°	*1201.7*	*1243.4*	*1478.3*	*1912.7*	*2365.5*	*2383.7*	*2146.3*	*1683.1*	*1131.2*	*564.9*	*253.1*
77.5°	878.1	875.5	1080.3	1486.1	1938.8	*1890.5*	1628.3	1094.7	537.5	204.8	127.9
80°	441.0	424.0	584.5	792.0	1046.4	*1079.0*	962.9	568.9	212.7	109.6	77.0
82.5°	163.1	167.0	214.0	323.6	525.8	*533.6*	388.8	241.4	116.1	57.4	40.4
85°	62.6	65.2	70.5	70.5	97.9	*108.3*	100.5	96.5	39.1	19.6	22.2
87.5°	0.0	0.0	0.0	0.0	1.3	*1.3*	1.3	1.3	1.3	1.3	1.3
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

REPORT NUMBER: P438450
CATALOG NUMBER: ISW-SA1C-830-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	638.0	638.0	638.0	638.0	638.0	638.0	638.0	638.0	638.0	638.0	638.0
2.5°	634.1	631.5	626.3	617.1	611.9	608.0	602.8	597.6	596.3	595.0	601.5
5°	618.4	614.5	601.5	589.7	576.7	566.3	555.8	546.7	541.5	540.2	542.8
7.5°	602.8	597.6	578.0	554.5	532.3	514.1	495.8	486.7	472.3	472.3	473.6
10°	593.6	584.5	557.1	521.9	493.2	460.6	438.4	416.2	407.1	400.6	397.9
12.5°	588.4	574.1	537.5	498.4	454.0	411.0	381.0	353.6	339.2	328.8	328.8
15°	589.7	574.1	524.5	473.6	416.2	364.0	326.2	296.2	277.9	267.5	264.9
17.5°	588.4	568.9	508.8	442.3	378.4	323.6	277.9	246.6	228.3	221.8	220.5
20°	591.0	564.9	490.6	413.6	341.8	283.1	236.2	207.5	197.0	191.8	190.5
22.5°	592.3	557.1	472.3	382.3	302.7	245.3	206.1	186.6	178.7	174.8	173.5
25°	595.0	555.8	451.4	353.6	270.1	216.6	186.6	169.6	165.7	163.1	163.1
27.5°	605.4	555.8	433.2	317.0	236.2	193.1	169.6	159.2	156.6	155.3	155.3
30°	618.4	558.4	416.2	287.0	210.1	174.8	157.9	150.0	148.7	147.4	147.4
32.5°	640.6	567.6	396.6	258.3	187.9	161.8	148.7	142.2	139.6	139.6	139.6
35°	670.6	583.2	377.1	232.2	169.6	148.7	139.6	133.1	131.8	133.1	133.1
37.5°	713.7	601.5	360.1	208.8	155.3	138.3	130.5	126.6	125.3	125.3	126.6
40°	767.2	634.1	343.1	190.5	144.8	129.2	123.9	120.0	118.7	120.0	120.0
42.5°	825.9	669.3	328.8	172.2	134.4	122.6	116.1	113.5	112.2	113.5	114.8
45°	891.1	705.9	317.0	159.2	126.6	116.1	110.9	109.6	108.3	108.3	109.6
47.5°	945.9	745.0	307.9	150.0	120.0	110.9	107.0	104.4	103.1	101.8	103.1
50°	996.8	775.0	305.3	144.8	116.1	105.7	101.8	99.2	97.9	96.5	97.9
52.5°	1034.6	790.7	305.3	140.9	112.2	101.8	97.9	95.2	93.9	91.3	92.6
55°	1060.7	798.5	301.4	138.3	108.3	97.9	92.6	91.3	90.0	87.4	87.4
57.5°	1076.4	797.2	287.0	137.0	107.0	92.6	88.7	87.4	86.1	83.5	83.5
60°	1073.8	772.4	260.9	131.8	104.4	88.7	83.5	83.5	83.5	80.9	80.9
62.5°	1036.0	703.2	217.9	123.9	101.8	84.8	78.3	80.9	82.2	79.6	79.6
65°	934.2	597.6	180.1	113.5	95.2	80.9	74.4	78.3	80.9	79.6	78.3
67.5°	786.7	473.6	148.7	103.1	88.7	75.7	69.2	74.4	75.7	75.7	75.7
70°	608.0	340.5	122.6	90.0	79.6	67.8	62.6	65.2	66.5	66.5	67.8
72.5°	360.1	203.5	100.5	77.0	67.8	58.7	54.8	56.1	54.8	54.8	54.8
75°	*177.4*	*126.6*	*80.9*	*65.2*	*57.4*	*49.6*	*45.7*	*43.1*	*43.1*	*43.1*	*41.8*
77.5°	108.3	93.9	66.5	52.2	45.7	37.8	35.2	32.6	32.6	32.6	32.6
80°	77.0	73.1	50.9	39.1	31.3	27.4	26.1	24.8	24.8	23.5	23.5
82.5°	48.3	54.8	37.8	26.1	20.9	19.6	18.3	17.0	15.7	14.4	14.4
85°	27.4	35.2	22.2	14.4	11.7	9.1	7.8	7.8	6.5	6.5	5.2
87.5°	1.3	2.6	2.6	2.6	2.6	1.3	1.3	1.3	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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Peachtree City, GA 30269

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

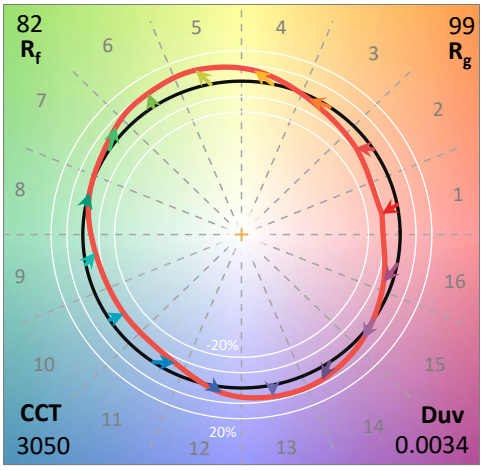
Test Information

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

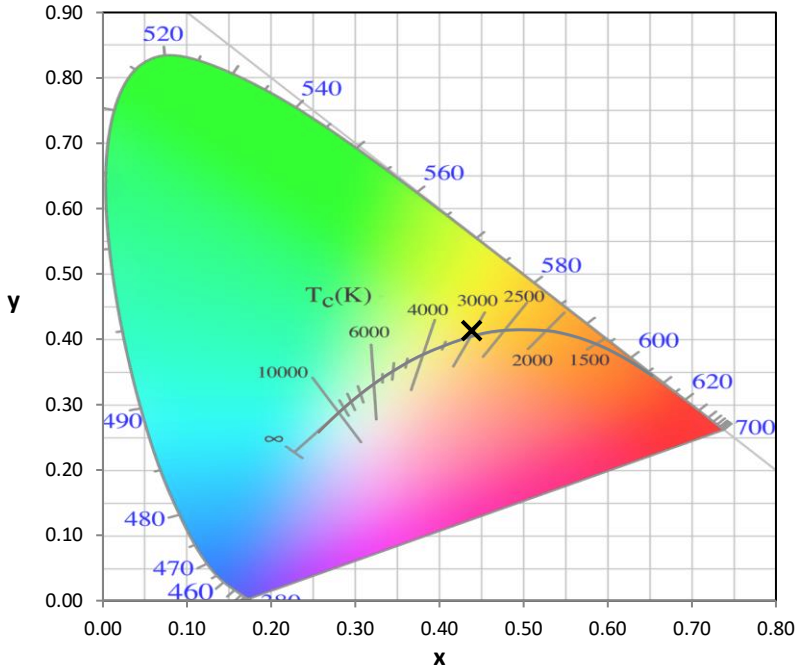
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

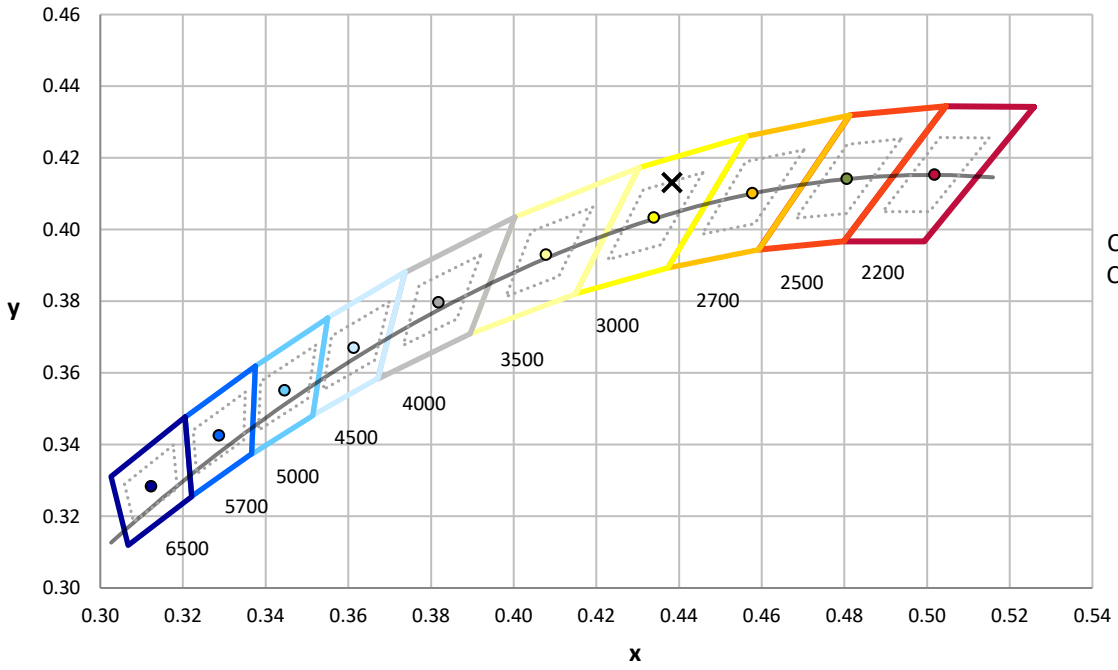
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

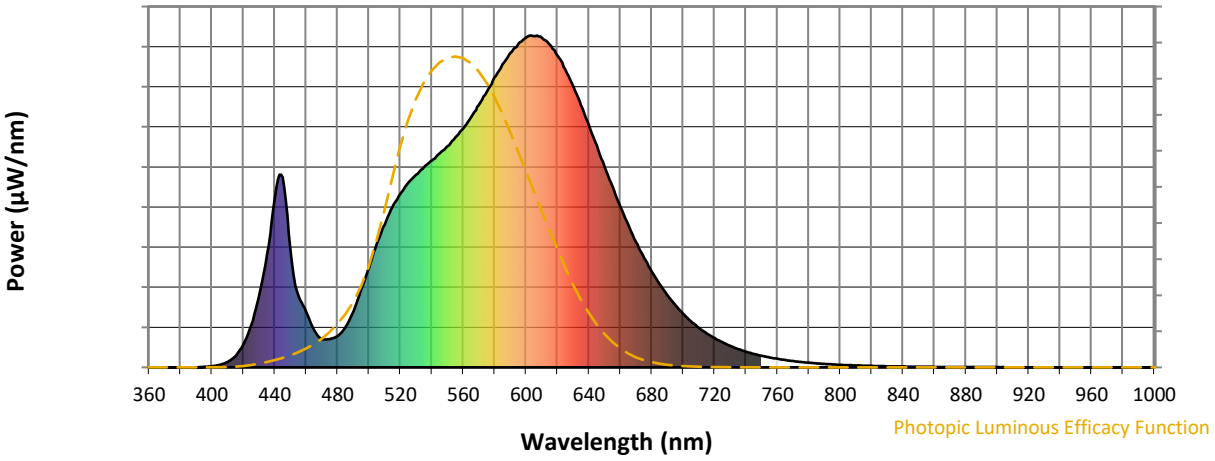


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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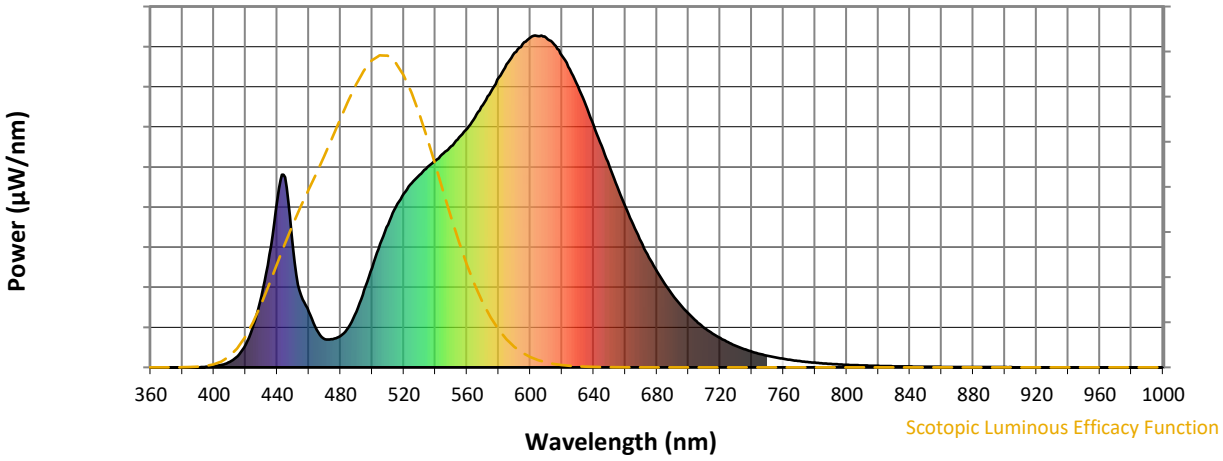
Scotopic Flux vs. Wavelength



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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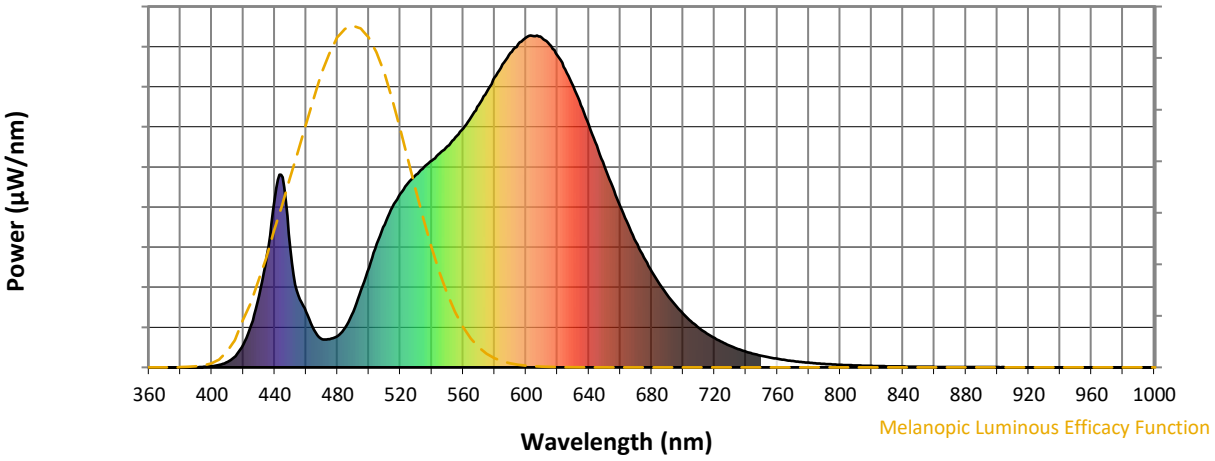
Melanopic Flux vs. Wavelength



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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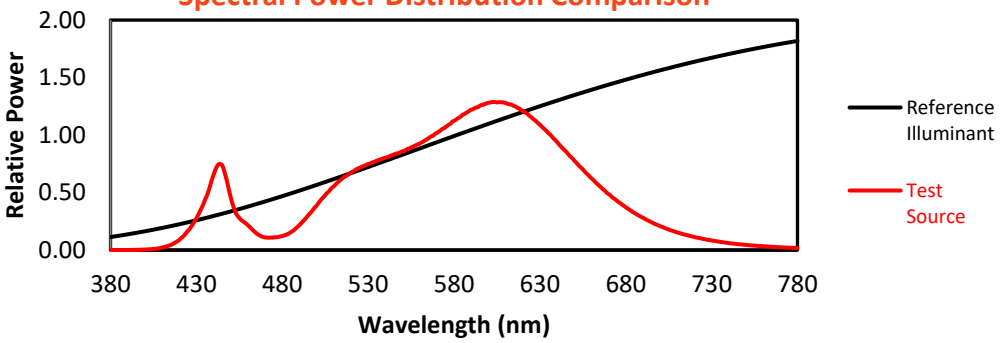
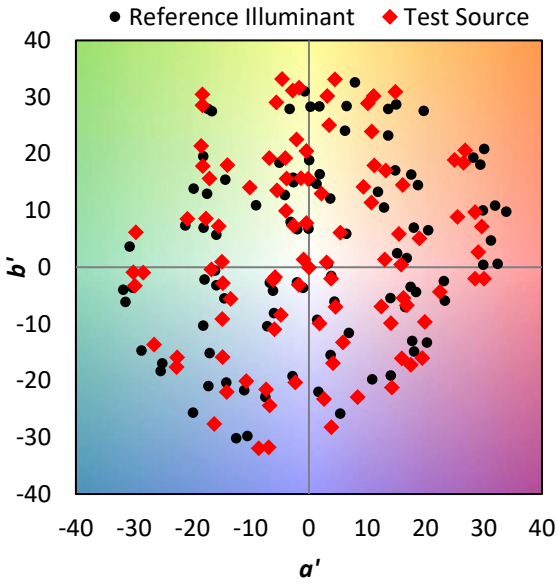
Summary

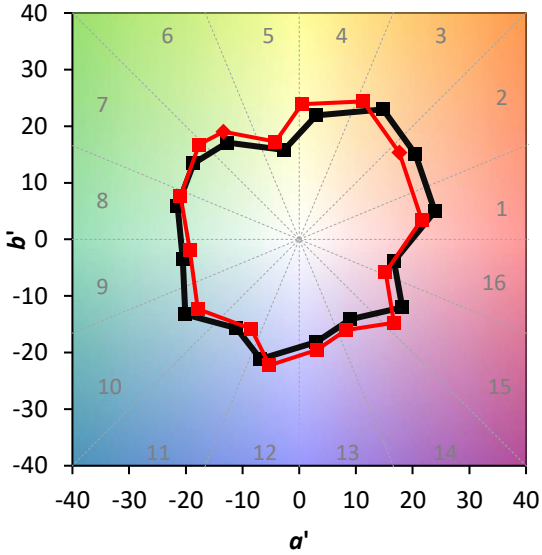
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

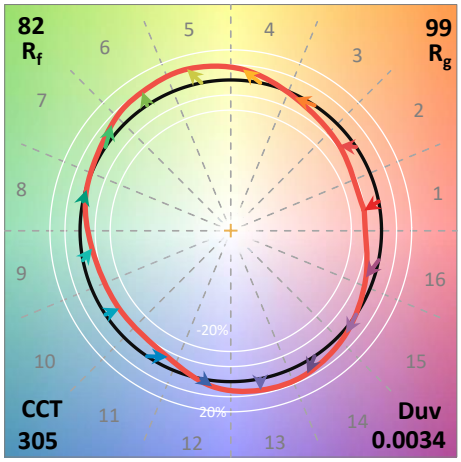
Spectral Power Distribution Comparison

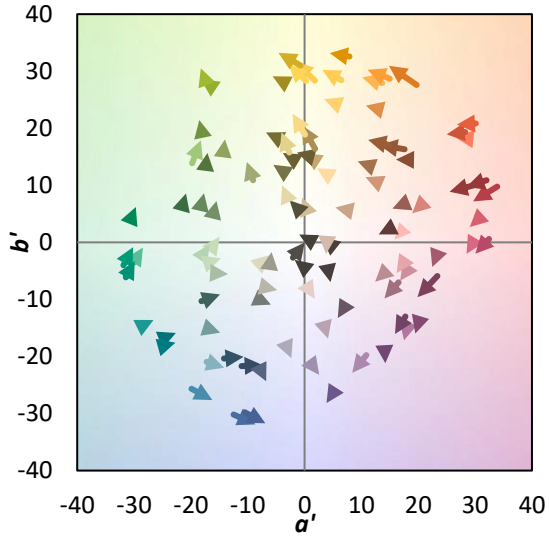


Color Vector Graphics









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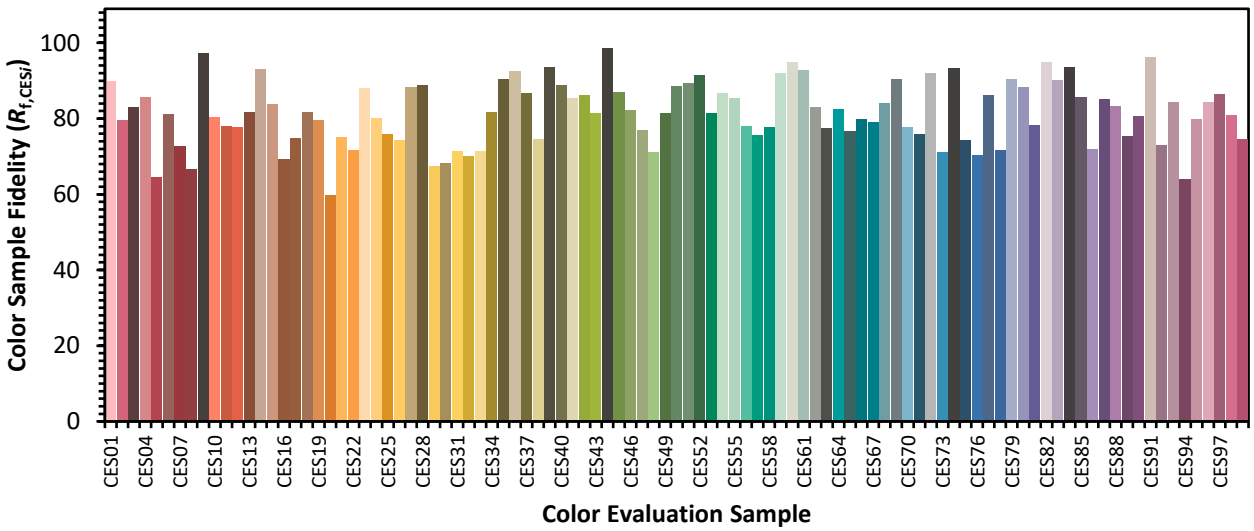
Individual Sample Fidelity Index ($R_{f,i}$)

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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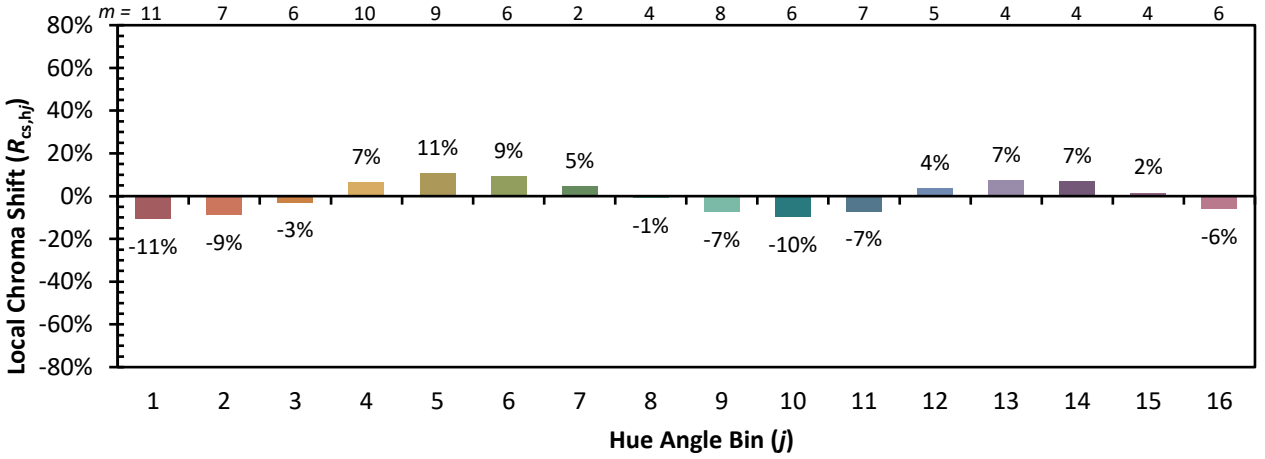
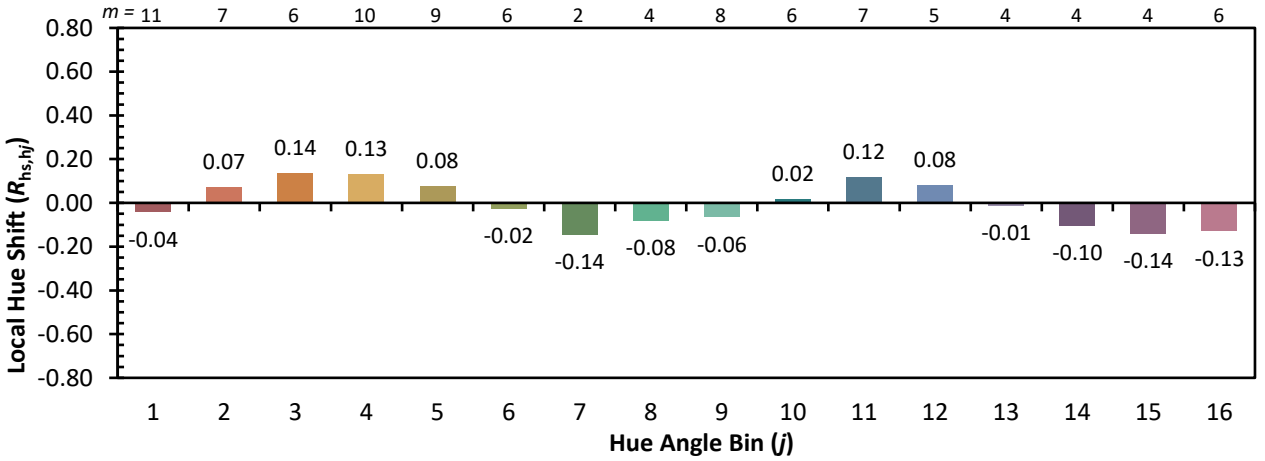
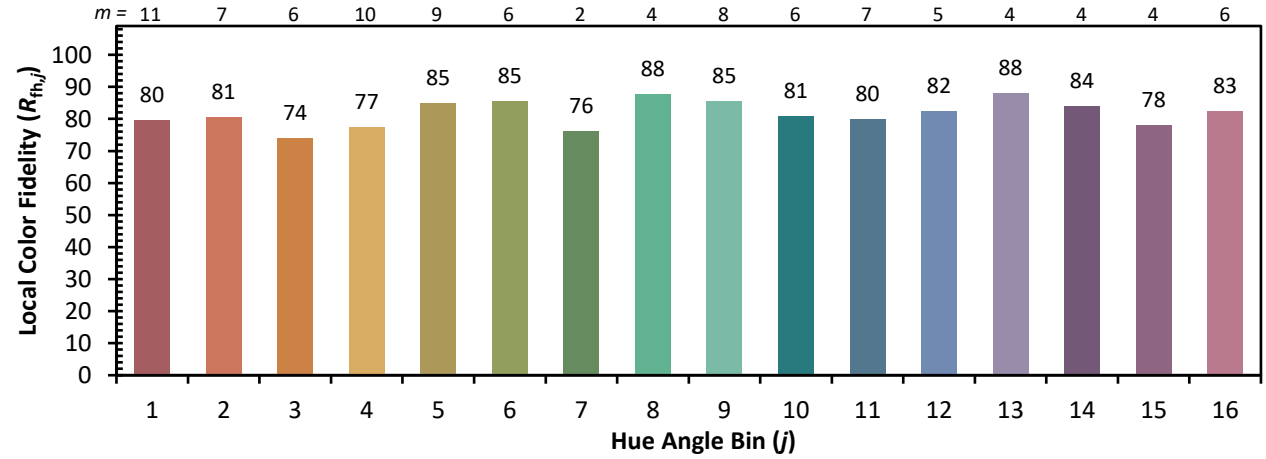
Color Rendition by Hue-Angle Bin







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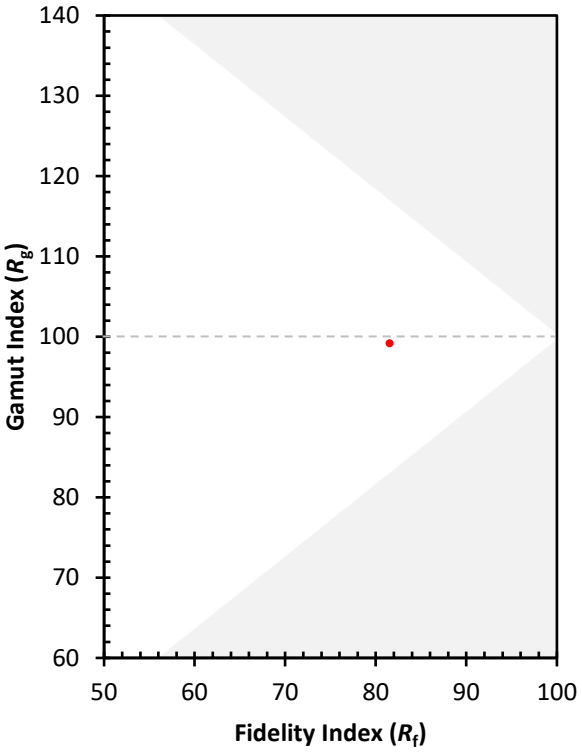
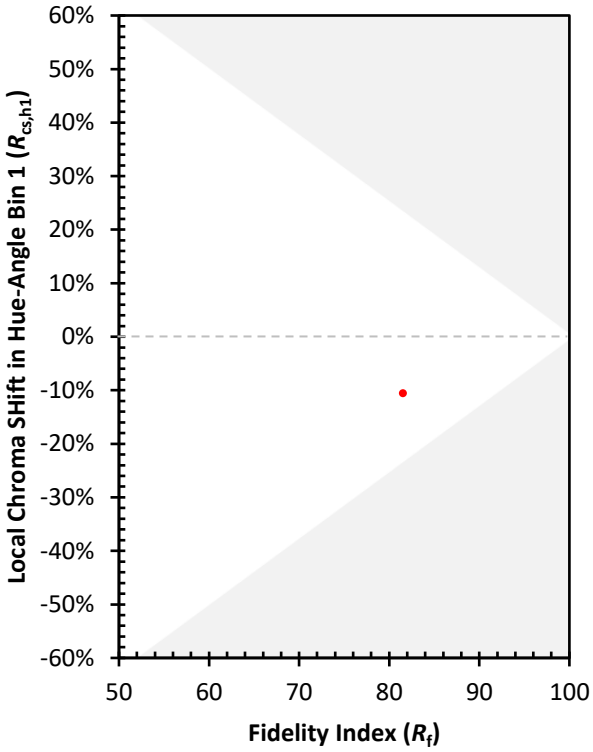
Measure Comparisons





(END OF REPORT)