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: P438970

Luminaire Tested: **ISW-SA1F-830-U-T3-HSS**

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:	P438970
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-074-9)
Test Lab:	INNOVATION CENTER
Issue Date:	12/10/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	ISW-SA1F-830-U-T3-HSS
Description:	IMPACT ELITE LED WEDGE LUMINAIRE
	(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4379 lumens
Efficiency:	N/A
Efficacy:	66.3 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	66
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: P438970
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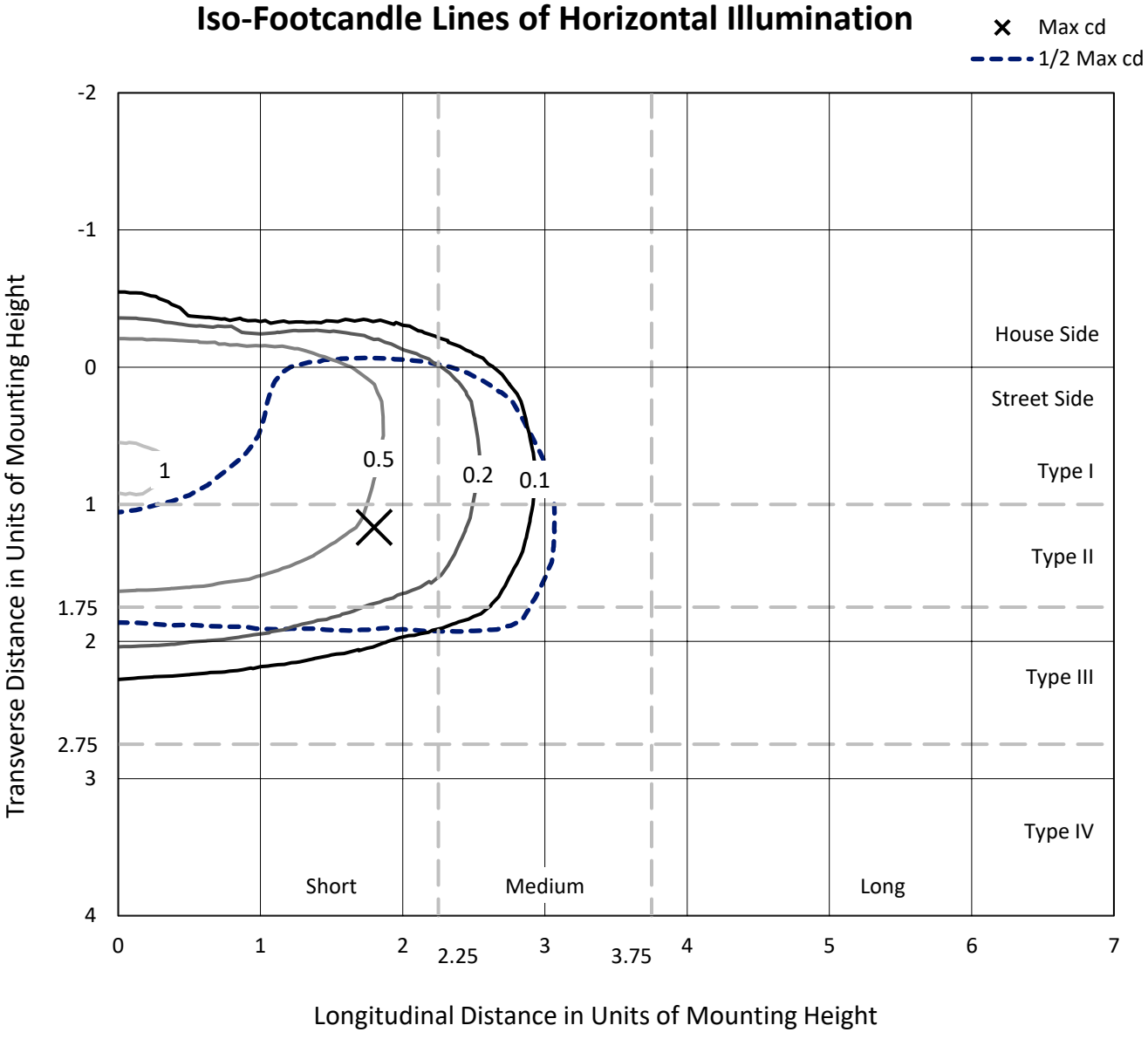
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
Type III - Short - N/A

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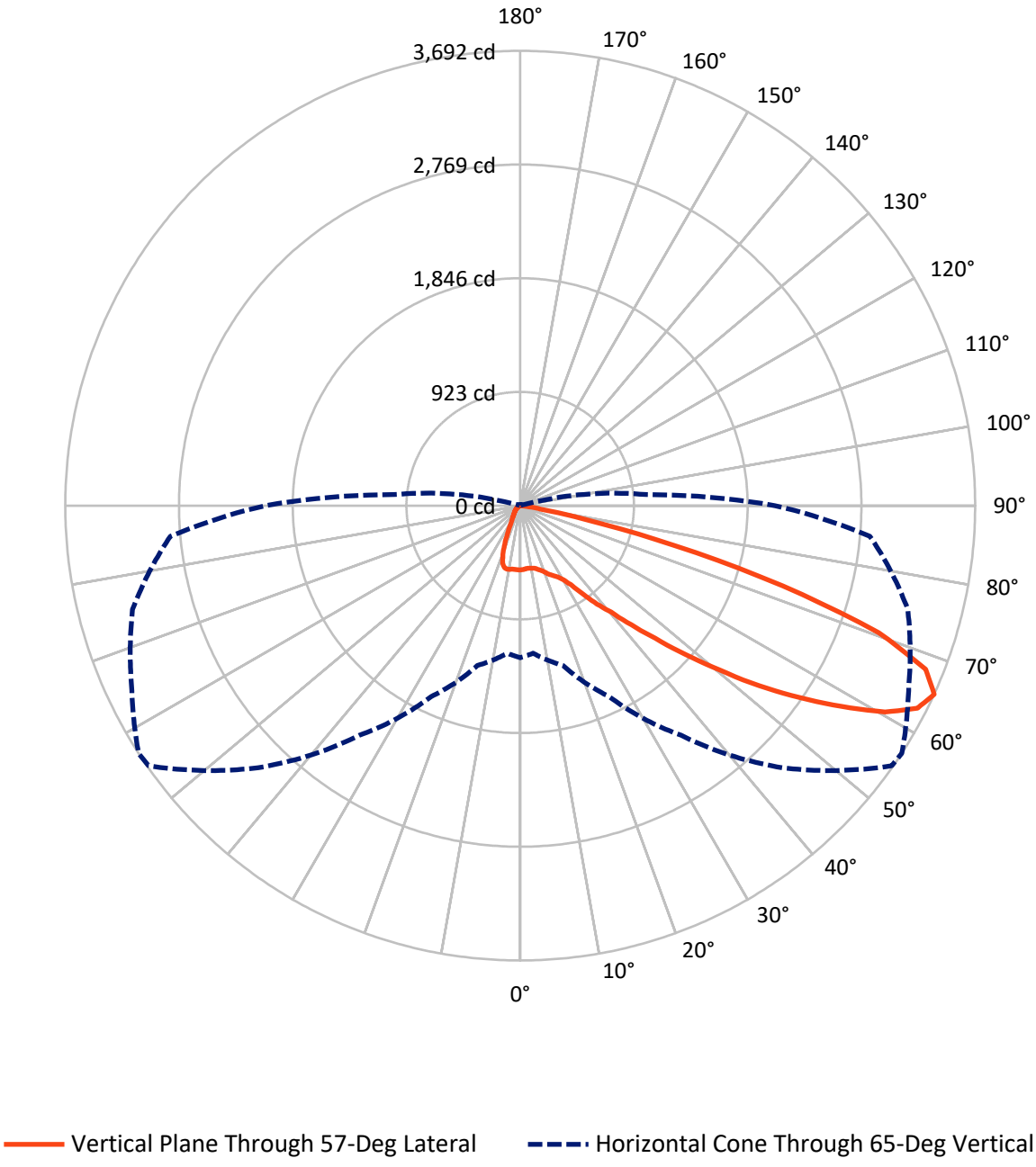
Luminous Intensity Polar Plot



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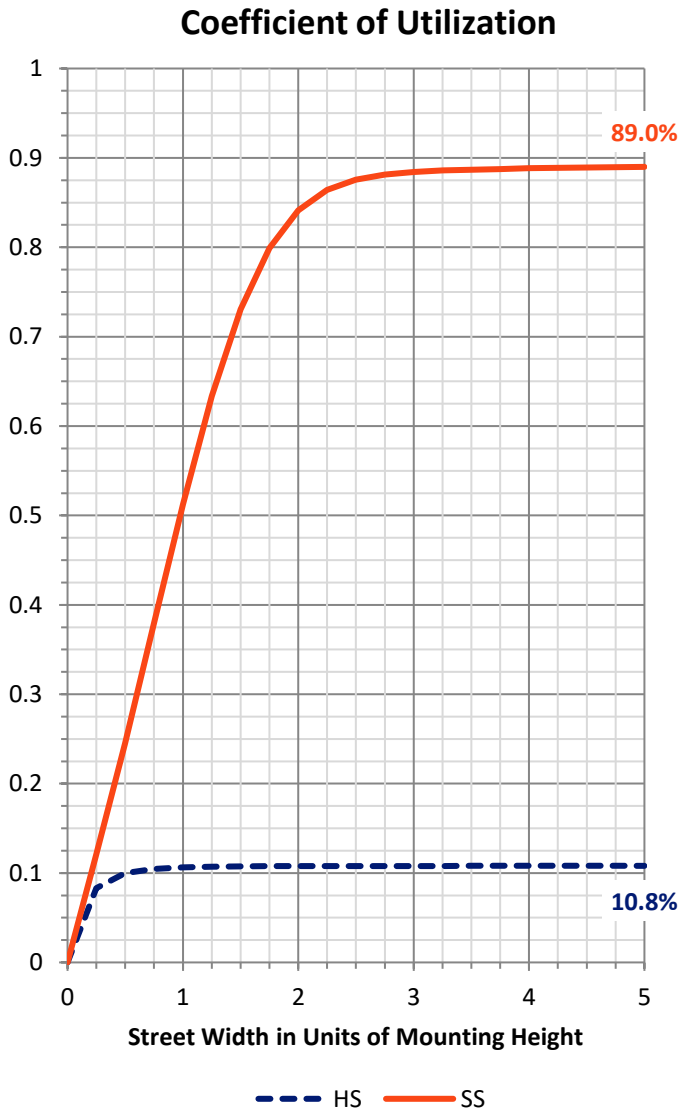
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	477.6	0.0	477.6
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	3901.4	0.0	3901.4
	% Fixture	89.1	0.0	89.1
Total	Lumens	4379.0	0.0	4379.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.4	1.1
10°-20°	131.0	3.0
20°-30°	226.3	5.2
30°-40°	400.9	9.2
40°-50°	727.1	16.6
50°-60°	1224.7	28.0
60°-70°	1259.2	28.8
70°-80°	349.0	8.0
80°-90°	12.4	0.3
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°	4379.0	100.0
0°-180°	4379.0	100.0



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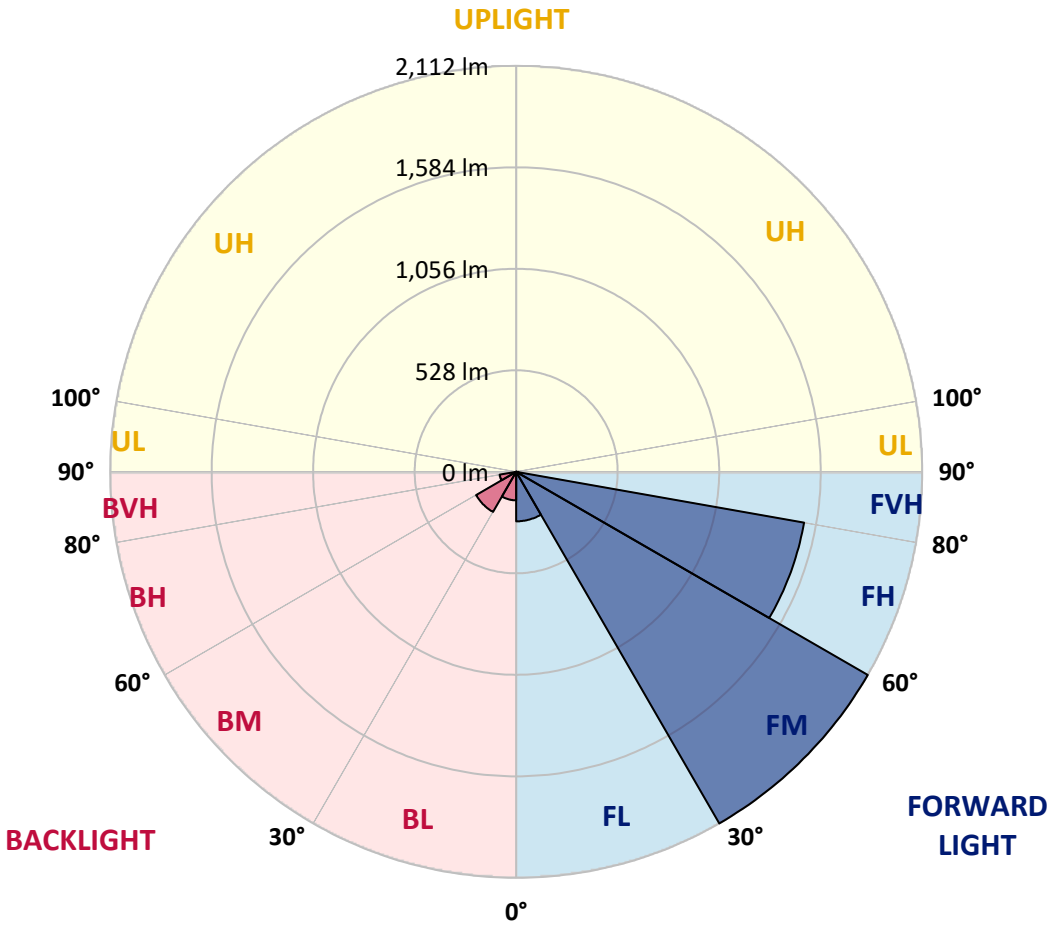
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	257.5	5.9			
FM	(30°-60°)	2111.8	48.2			
FH	(60°-80°)	1520.6	34.7			G1/1800
FVH	(80°-90°)	11.5	0.3			G1/100
BL	(0°-30°)	148.3	3.4	B1/500		
BM	(30°-60°)	240.8	5.5	B1/1000		
BH	(60°-80°)	87.6	2.0	B0/110		G0/110
BVH	(80°-90°)	0.9	0.0			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 III Short



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REPORT NUMBER: P438970
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	521.0	521.0	521.0	521.0	521.0	521.0	521.0	*521.0*	521.0	521.0	521.0
2.5°	506.1	506.1	510.4	512.5	512.5	514.6	516.8	*518.9*	518.9	518.9	523.2
5°	480.5	478.3	482.6	486.9	493.3	501.8	508.2	*512.5*	518.9	525.3	527.4
7.5°	457.0	457.0	461.2	467.7	480.5	493.3	506.1	*512.5*	523.2	536.0	540.3
10°	450.6	448.4	454.8	461.2	474.1	489.0	508.2	*516.8*	531.7	548.8	555.2
12.5°	446.3	446.3	448.4	459.1	471.9	491.1	514.6	*521.0*	544.5	563.7	578.7
15°	444.2	444.2	448.4	457.0	471.9	493.3	525.3	*536.0*	563.7	591.5	604.3
17.5°	461.2	459.1	457.0	461.2	476.2	499.7	542.4	*553.1*	587.2	621.4	636.4
20°	512.5	510.4	504.0	489.0	489.0	516.8	563.7	*576.6*	621.4	655.6	664.1
22.5°	608.6	615.0	591.5	553.1	525.3	538.1	591.5	*606.5*	657.7	694.0	694.0
25°	747.4	738.9	717.5	653.4	597.9	572.3	615.0	*629.9*	691.9	734.6	726.0
27.5°	892.6	894.7	864.8	792.2	702.5	634.2	640.6	*657.7*	728.2	777.3	758.1
30°	1007.9	999.4	984.4	924.6	826.4	732.4	689.7	*700.4*	768.7	824.3	807.2
32.5°	1110.4	1106.1	1086.9	1035.7	948.1	847.8	770.9	*773.0*	826.4	894.7	873.4
35°	1202.2	1206.5	1198.0	1140.3	1061.3	967.3	879.8	*886.2*	926.8	997.2	954.5
37.5°	1317.5	1317.5	1302.6	1249.2	1189.4	1095.5	1012.2	*1014.3*	1035.7	1093.3	1039.9
40°	1417.9	1422.2	1420.0	1379.5	1321.8	1236.4	1136.0	*1136.0*	1142.4	1210.8	1183.0
42.5°	1554.6	1561.0	1558.8	1520.4	1475.6	1413.6	1328.2	*1321.8*	1317.5	1403.0	1373.1
45°	1729.7	1744.6	1751.0	1704.1	1663.5	1627.2	1561.0	*1535.4*	1546.0	1625.0	1601.6
47.5°	1896.2	1913.3	1943.2	1919.7	1900.5	1900.5	1810.8	*1806.6*	1789.5	1881.3	1817.2
50°	2054.3	2056.4	2099.1	2135.4	2193.1	2182.4	2122.6	*2097.0*	2071.3	2133.3	2018.0
52.5°	2143.9	2169.6	2225.1	2329.7	2455.7	2507.0	2445.0	*2430.1*	2378.8	2370.3	2212.3
55°	2227.2	2227.2	2314.8	2496.3	2709.8	2818.7	2767.5	*2750.4*	2647.9	2618.0	2413.0
57.5°	2255.0	2246.4	2363.9	2594.5	2914.8	3104.9	3115.6	*3077.1*	2934.0	2842.2	2618.0
60°	2116.2	2101.2	2225.1	2530.5	2970.4	3312.0	3427.3	*3401.7*	3181.8	3060.0	2833.7
62.5°	1716.9	1736.1	1894.1	2225.1	2773.9	3290.7	3634.5	*3619.5*	3365.4	3207.4	2919.1
65°	*1234.3*	*1202.2*	*1343.2*	*1710.5*	*2276.3*	*3008.8*	*3681.4*	*3692.1*	*3478.6*	*3256.5*	*2848.6*
67.5°	691.9	662.0	779.4	1059.2	1618.6	2468.5	3489.3	*3549.0*	3397.4	3134.8	2545.4
70°	264.8	281.9	363.0	523.2	954.5	1704.1	3002.4	*3087.8*	2978.9	2615.9	1896.2
72.5°	94.0	106.8	149.5	232.8	442.0	918.2	2099.1	*2227.2*	2195.2	1817.2	1084.8
75°	55.5	57.7	76.9	113.2	194.3	358.7	1185.2	*1291.9*	1240.7	899.0	448.4
77.5°	38.4	38.4	49.1	68.3	111.0	143.1	463.4	*525.3*	540.3	324.6	132.4
80°	23.5	25.6	34.2	44.8	64.1	66.2	143.1	*168.7*	158.0	115.3	47.0
82.5°	10.7	10.7	19.2	29.9	32.0	27.8	44.8	*49.1*	57.7	51.2	21.4
85°	0.0	0.0	6.4	10.7	8.5	6.4	14.9	*14.9*	19.2	23.5	10.7
87.5°	0.0	0.0	0.0	0.0	2.1	2.1	2.1	*2.1*	2.1	4.3	2.1
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: P438970
CATALOG NUMBER: ISW-SA1F-830-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0
2.5°	523.2	525.3	523.2	521.0	521.0	518.9	518.9	518.9	518.9	518.9	518.9
5°	527.4	529.6	527.4	523.2	518.9	514.6	510.4	510.4	510.4	510.4	514.6
7.5°	540.3	540.3	536.0	527.4	516.8	512.5	504.0	501.8	497.5	495.4	497.5
10°	559.5	559.5	550.9	538.1	521.0	504.0	489.0	467.7	454.8	446.3	444.2
12.5°	578.7	576.6	565.9	548.8	521.0	482.6	433.5	380.1	348.1	324.6	320.3
15°	604.3	602.2	585.1	555.2	508.2	427.1	331.0	258.4	219.9	202.9	200.7
17.5°	632.1	627.8	604.3	559.5	467.7	322.4	217.8	168.7	153.7	149.5	149.5
20°	662.0	655.6	619.3	553.1	386.5	219.9	151.6	140.9	138.8	136.7	136.7
22.5°	685.5	674.8	629.9	521.0	288.3	151.6	134.5	132.4	130.3	128.1	128.1
25°	711.1	694.0	638.5	450.6	190.1	130.3	126.0	123.9	119.6	117.4	117.4
27.5°	741.0	715.4	651.3	354.5	132.4	117.4	113.2	111.0	104.6	100.4	100.4
30°	779.4	747.4	657.7	258.4	111.0	102.5	98.2	94.0	85.4	81.1	81.1
32.5°	841.4	813.6	644.9	173.0	100.4	91.8	85.4	76.9	68.3	64.1	61.9
35°	920.4	881.9	600.0	121.7	89.7	81.1	70.5	59.8	53.4	51.2	51.2
37.5°	1007.9	956.7	531.7	98.2	81.1	70.5	59.8	49.1	42.7	40.6	40.6
40°	1131.8	1052.8	437.8	85.4	70.5	59.8	49.1	40.6	36.3	34.2	34.2
42.5°	1294.1	1174.5	331.0	79.0	64.1	51.2	40.6	34.2	29.9	27.8	27.8
45°	1475.6	1302.6	241.3	70.5	55.5	42.7	32.0	27.8	23.5	21.4	21.4
47.5°	1657.1	1394.4	166.6	64.1	47.0	36.3	27.8	21.4	17.1	17.1	14.9
50°	1815.1	1443.5	119.6	55.5	42.7	29.9	21.4	17.1	14.9	12.8	12.8
52.5°	1953.9	1464.9	91.8	49.1	36.3	25.6	17.1	14.9	12.8	12.8	12.8
55°	2071.3	1447.8	72.6	42.7	32.0	21.4	14.9	12.8	10.7	10.7	10.7
57.5°	2186.7	1396.6	57.7	36.3	25.6	14.9	12.8	10.7	8.5	8.5	8.5
60°	2246.4	1330.4	47.0	29.9	21.4	12.8	10.7	8.5	8.5	6.4	6.4
62.5°	2205.9	1195.8	38.4	25.6	14.9	10.7	8.5	6.4	6.4	4.3	4.3
65°	*2069.2*	*1025.0*	*29.9*	*19.2*	*10.7*	*8.5*	*6.4*	*6.4*	*4.3*	*2.1*	*2.1*
67.5°	1744.6	802.9	23.5	14.9	8.5	6.4	4.3	4.3	2.1	0.0	0.0
70°	1247.1	529.6	19.2	10.7	6.4	6.4	4.3	2.1	0.0	0.0	0.0
72.5°	719.6	256.2	14.9	6.4	4.3	4.3	2.1	2.1	0.0	0.0	0.0
75°	269.1	89.7	12.8	6.4	4.3	2.1	2.1	2.1	0.0	0.0	0.0
77.5°	89.7	36.3	10.7	8.5	6.4	2.1	2.1	0.0	0.0	0.0	0.0
80°	27.8	17.1	4.3	4.3	4.3	4.3	2.1	0.0	0.0	0.0	0.0
82.5°	14.9	8.5	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
85°	6.4	4.3	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	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

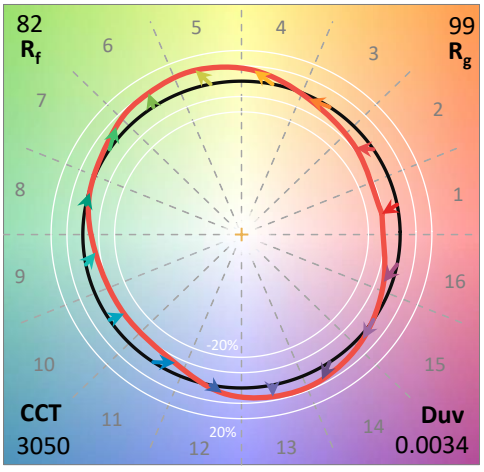
Test Information

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

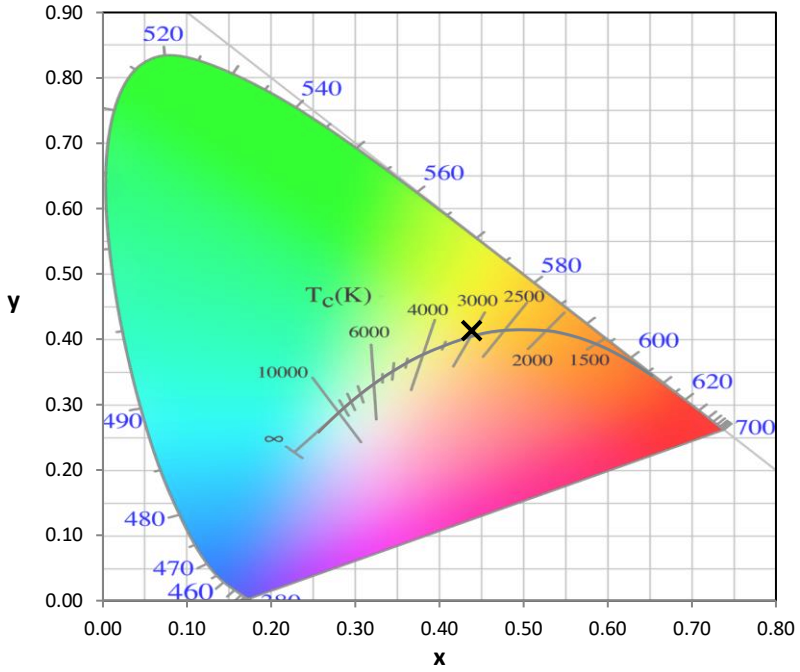
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

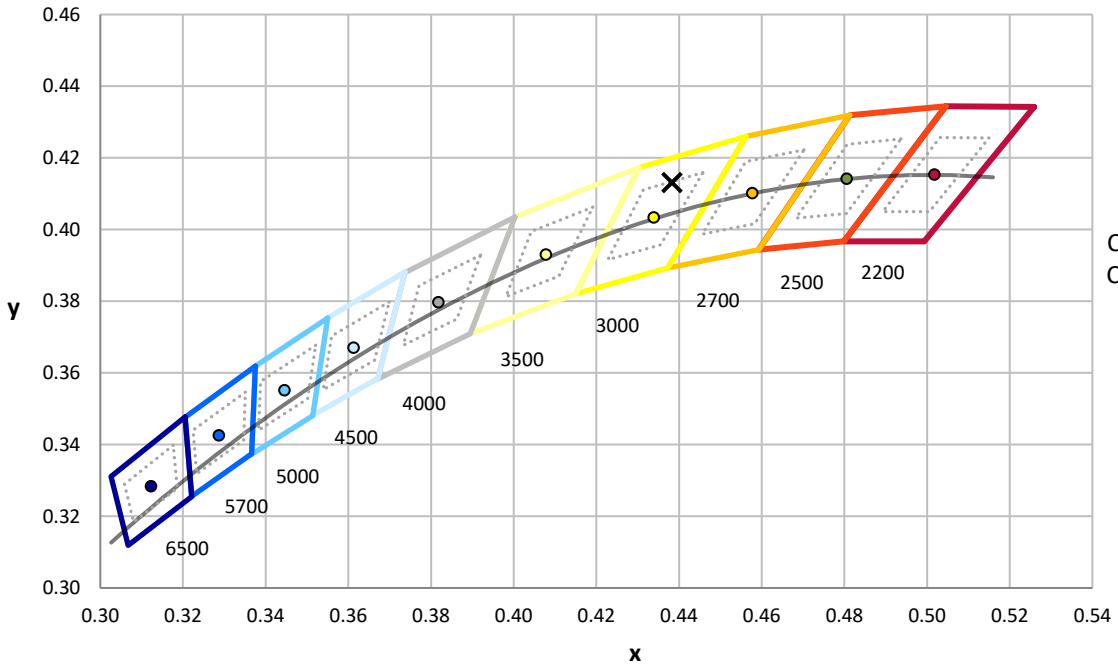
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

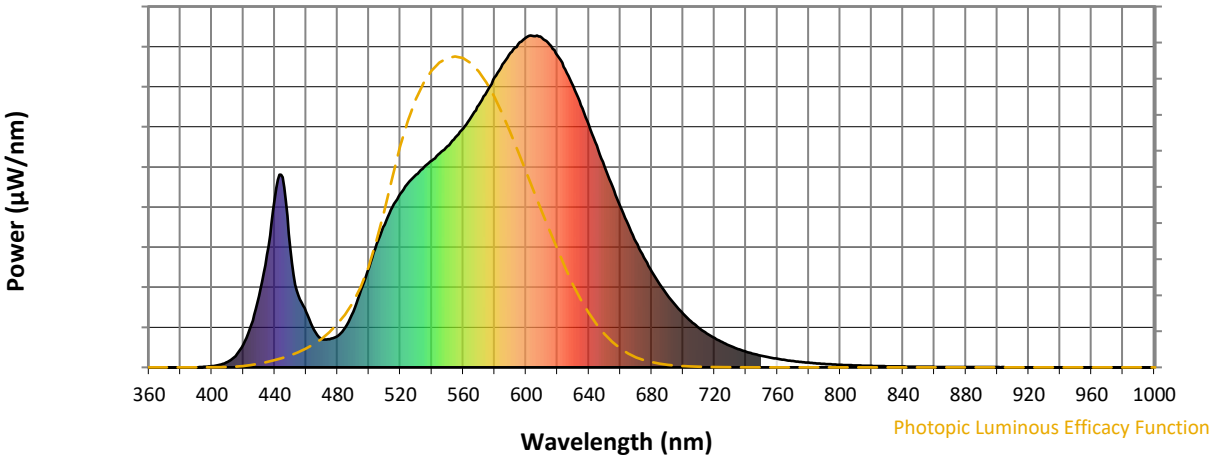


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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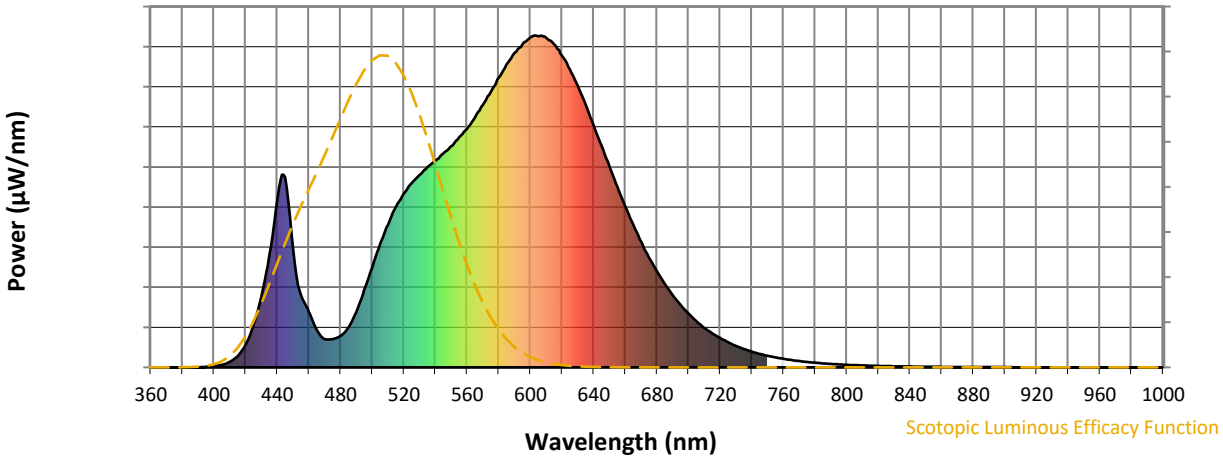
Scotopic Flux vs. Wavelength



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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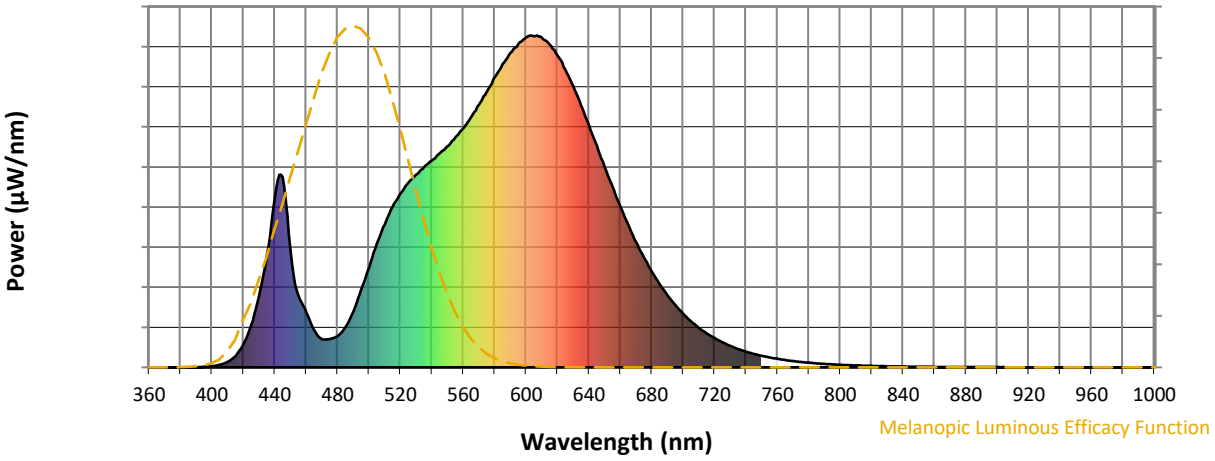
Melanopic Flux vs. Wavelength



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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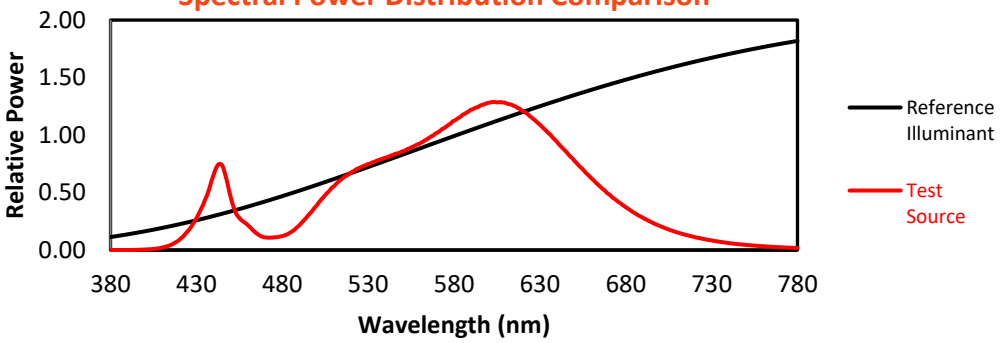
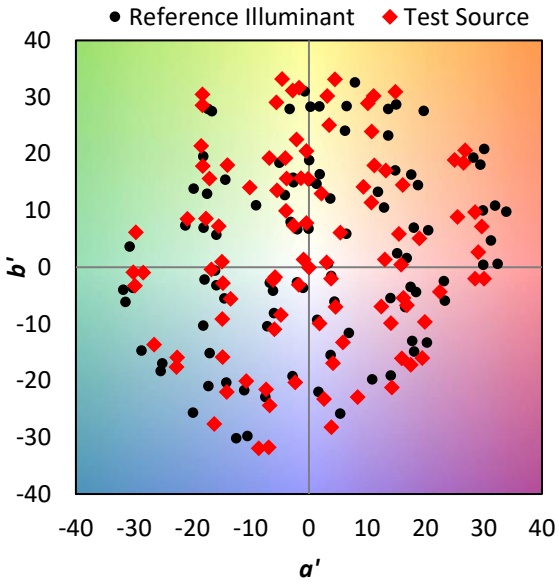
Summary

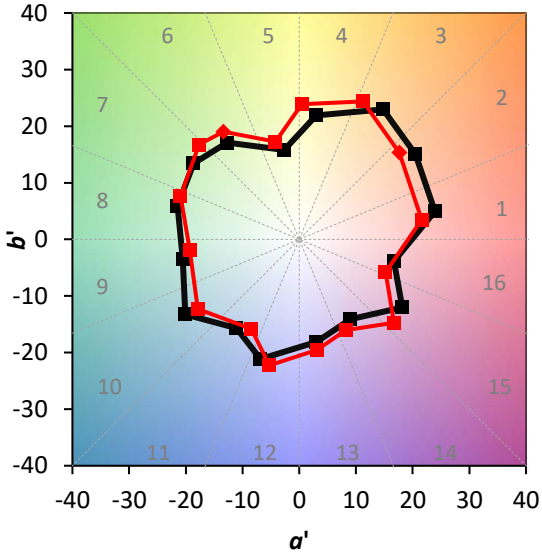
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

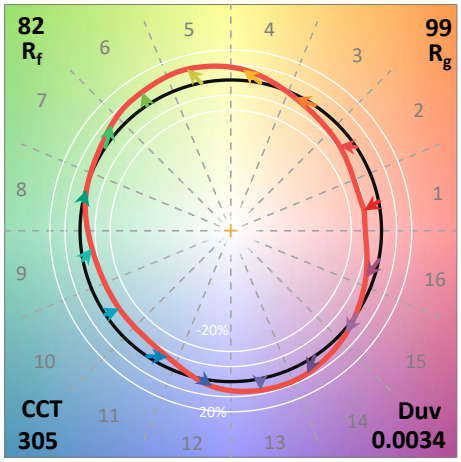
Spectral Power Distribution Comparison

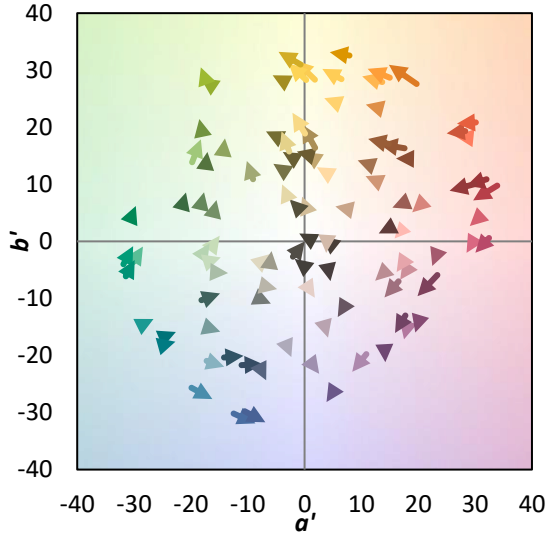


Color Vector Graphics









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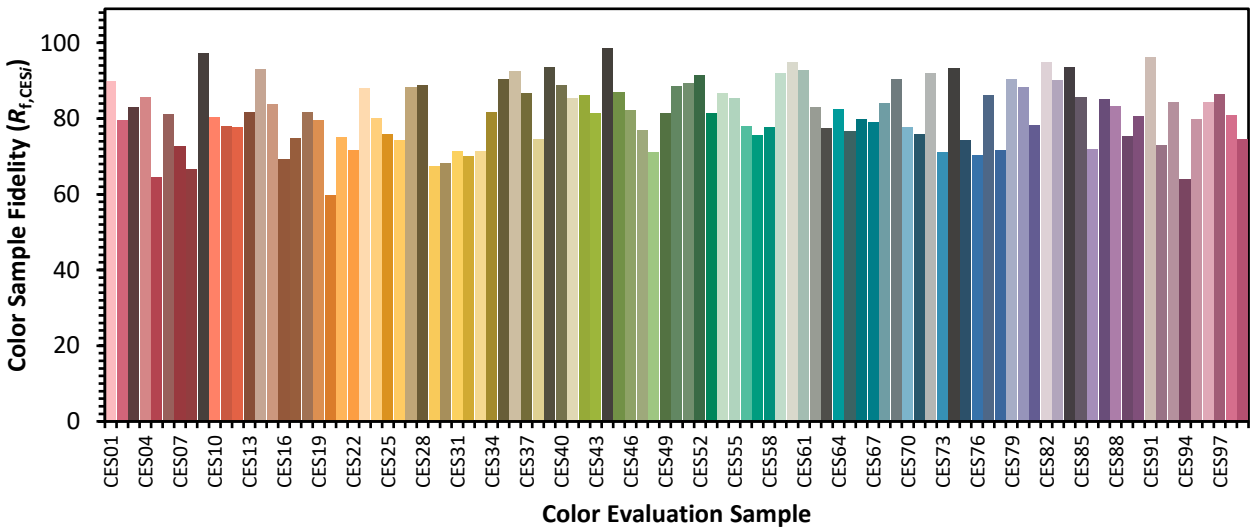
Individual Sample Fidelity Index ($R_{f,i}$)

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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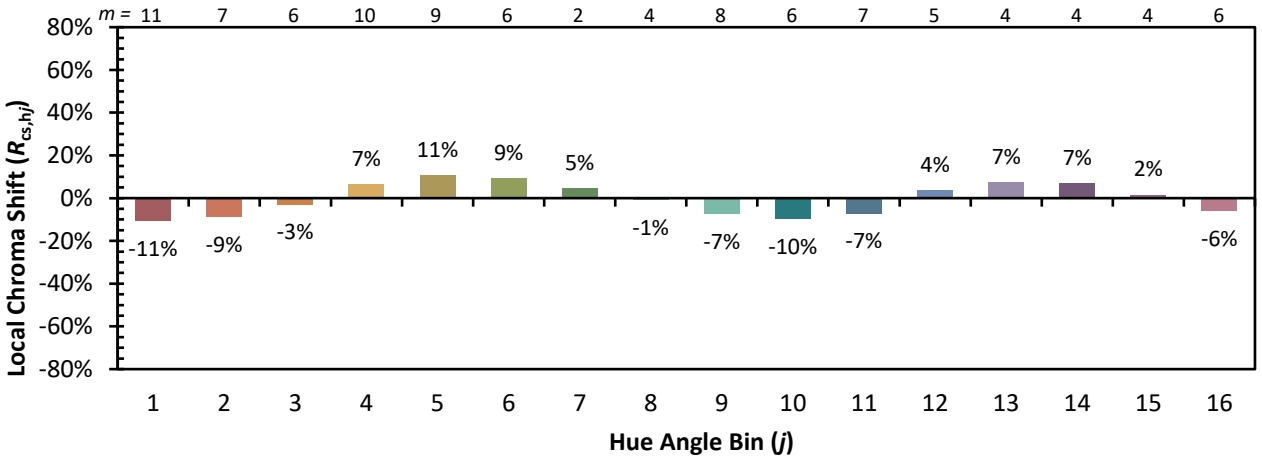
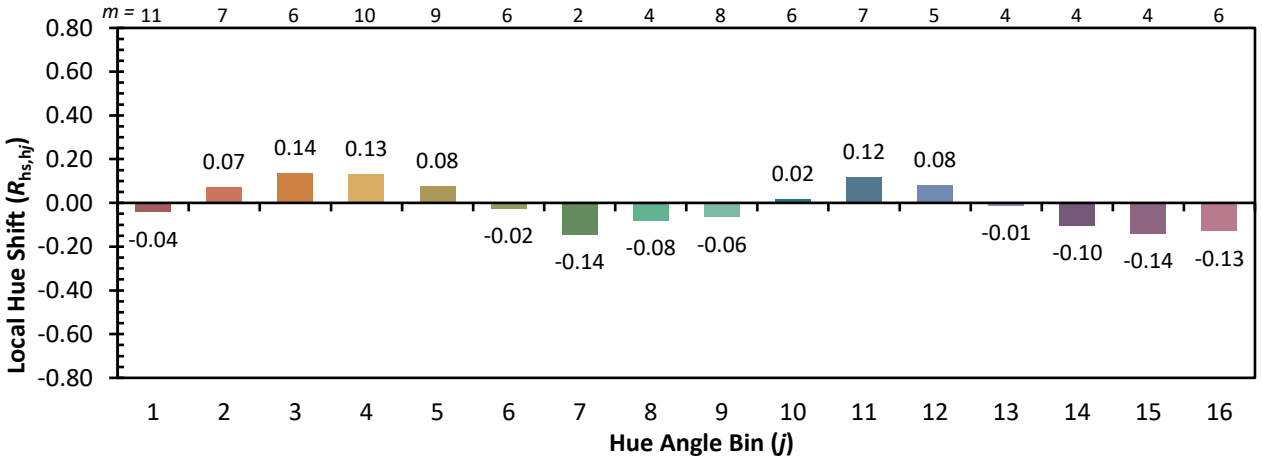
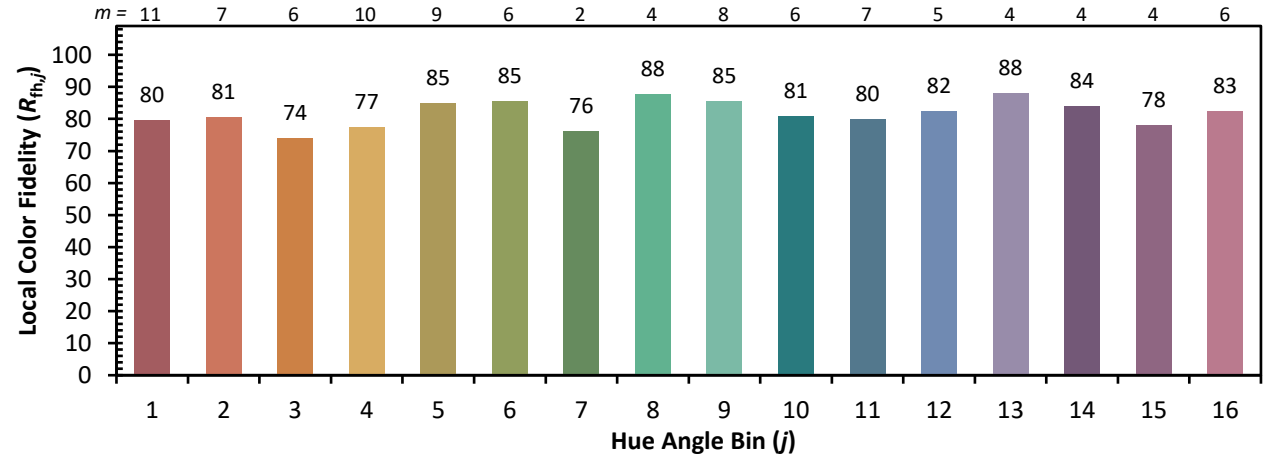
Color Rendition by Hue-Angle Bin







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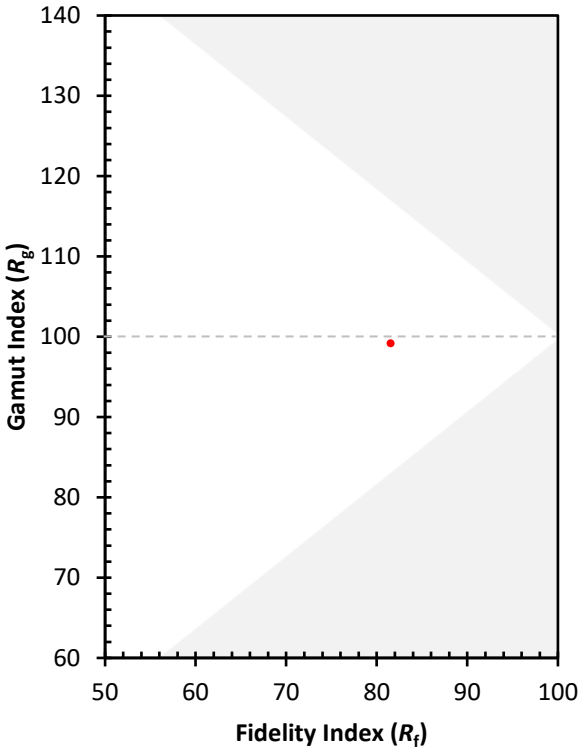
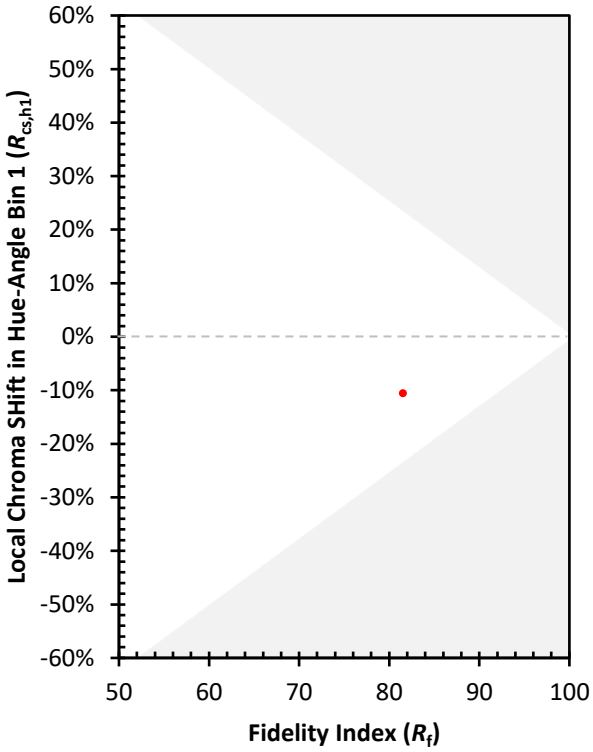
Measure Comparisons





(END OF REPORT)