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: P630075

Luminaire Tested: GWS-SA1C-830-U-T2-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:	P630075
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA1C-830-U-T2-W-HSS
Description:	GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source:	(16) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2860.1 lumens
Efficiency:	N/A
Efficacy:	83.9 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B0 - 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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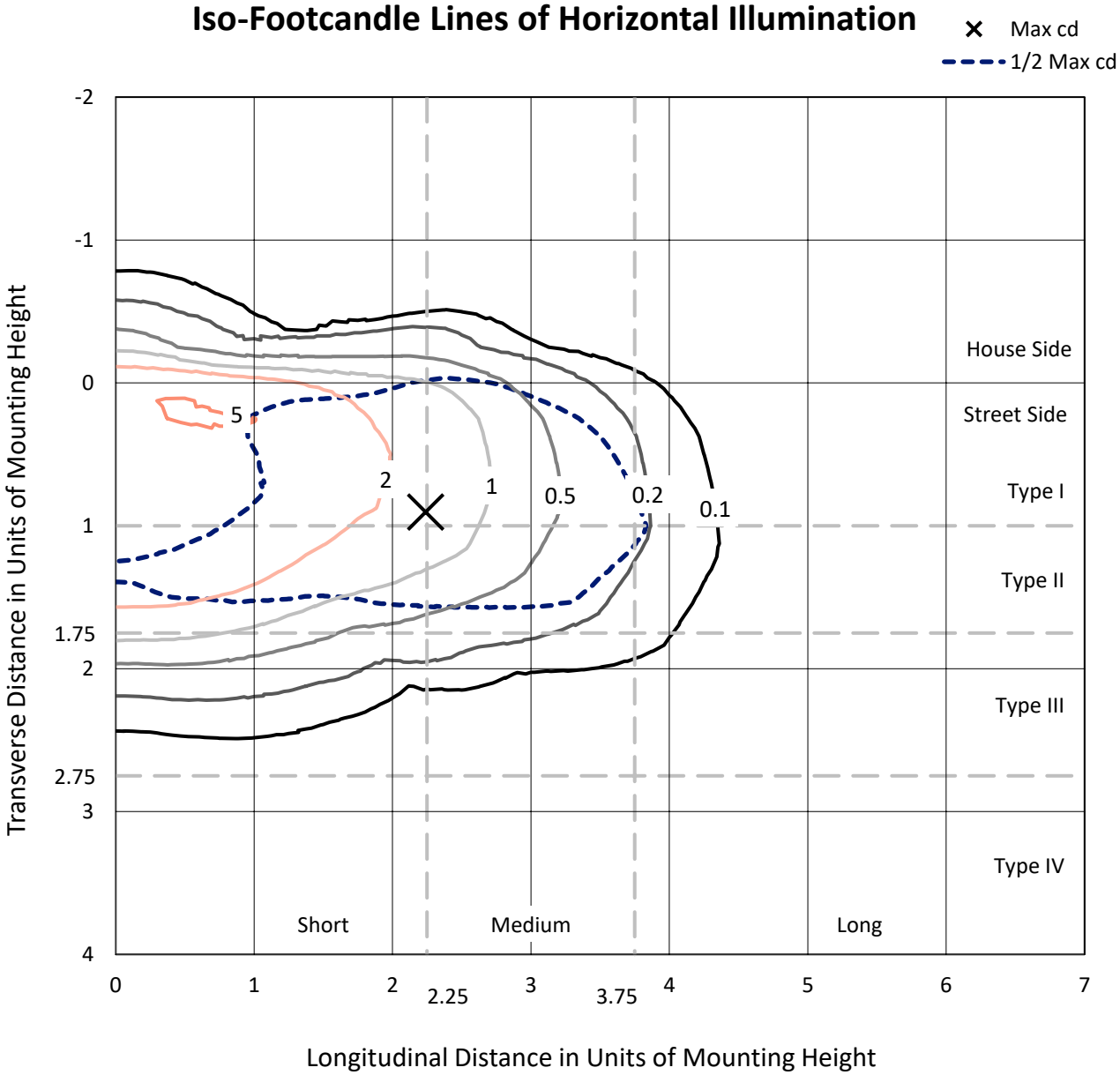
REPORT NUMBER: P630075
CATALOG NUMBER: GWS-SA1C-830-U-T2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
Type II - Short - N/A

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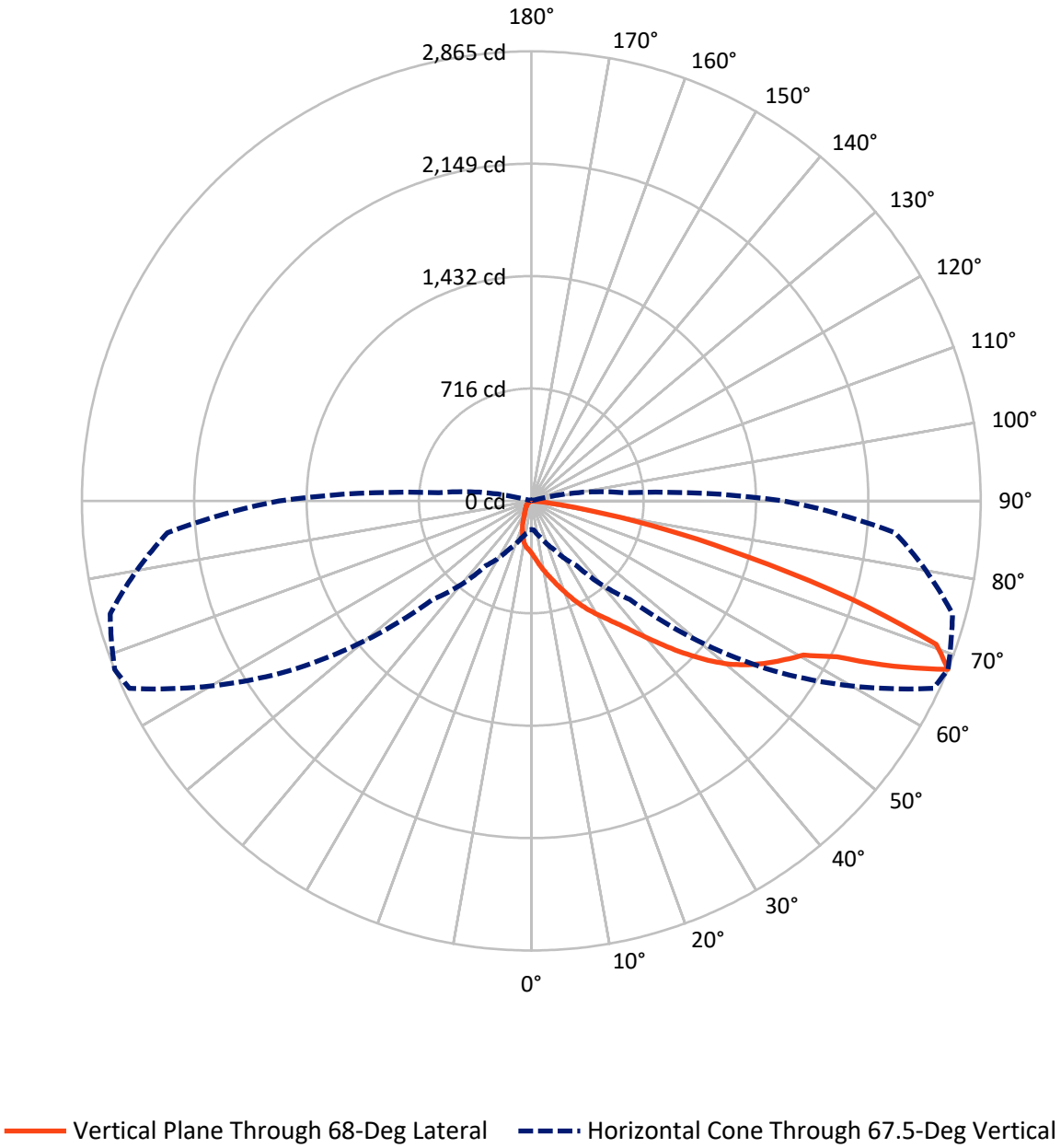
Luminous Intensity Polar Plot



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REPORT NUMBER: P630075
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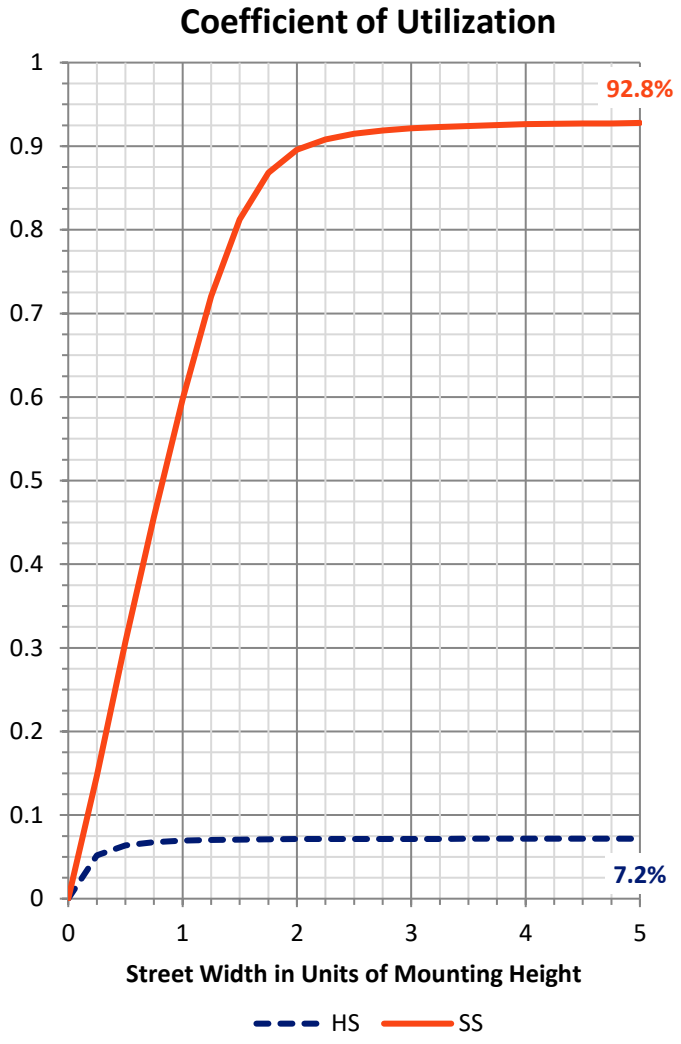
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	206.5	0.0	206.5
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	2653.6	0.0	2653.6
	% Fixture	92.8	0.0	92.8
Total	Lumens	2860.1	0.0	2860.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.5	1.1
10°-20°	93.2	3.3
20°-30°	160.2	5.6
30°-40°	278.5	9.7
40°-50°	486.0	17.0
50°-60°	733.0	25.6
60°-70°	735.0	25.7
70°-80°	324.3	11.3
80°-90°	17.3	0.6
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°	2860.1	100.0
0°-180°	2860.1	100.0



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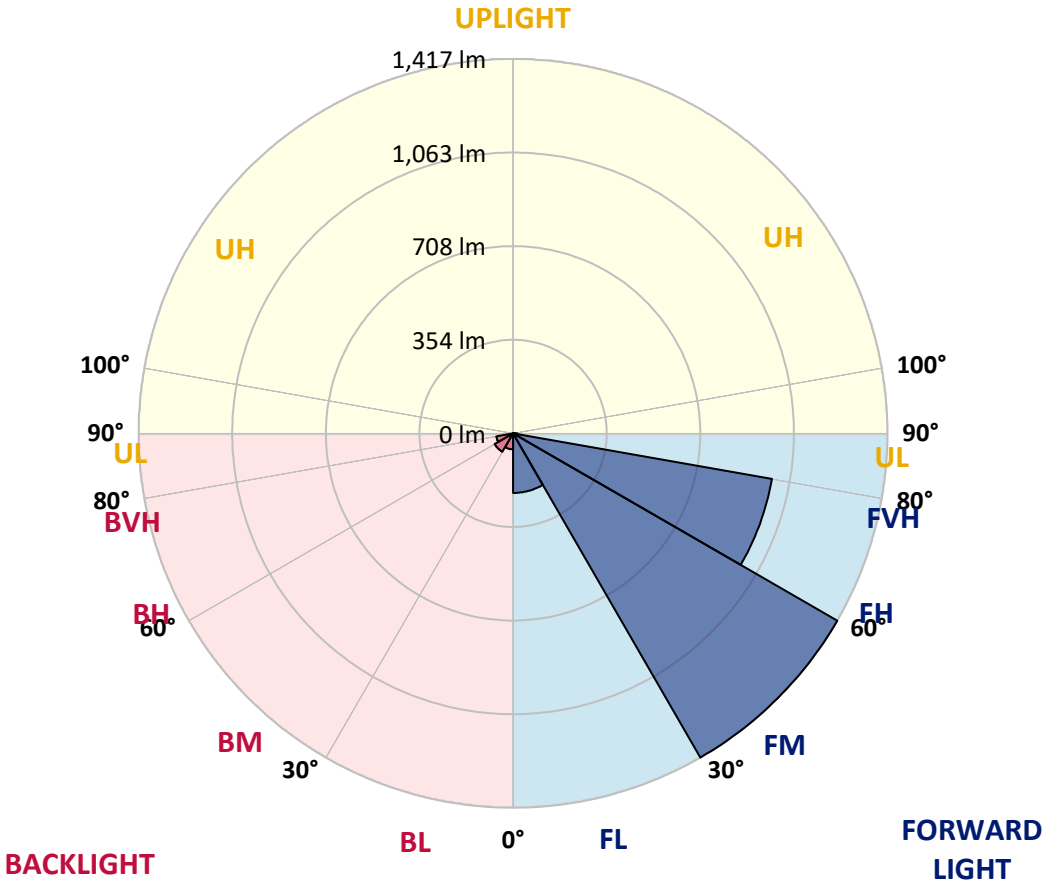
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	225.5	7.9			
FM	(30°-60°)	1416.9	49.5			
FH	(60°-80°)	994.9	34.8			G1/1800
FVH	(80°-90°)	16.3	0.6			G1/100
BL	(0°-30°)	60.4	2.1	B0/110		
BM	(30°-60°)	80.7	2.8	B0/220		
BH	(60°-80°)	64.5	2.3	B0/110		G0/110
BVH	(80°-90°)	1.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
Type II Short



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Scaled Data Report

REPORT NUMBER: P630075
CATALOG NUMBER: GWS-SA1C-830-U-T2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	332.8	332.8	332.8	332.8	332.8	332.8	332.8	332.8	*332.8*	332.8	332.8
2.5°	387.6	390.1	387.6	388.1	381.0	377.7	370.6	360.8	*358.3*	352.0	342.4
5°	434.9	437.1	434.7	434.1	425.9	419.9	408.1	391.1	*386.2*	373.9	355.0
7.5°	460.7	462.0	462.9	464.2	461.2	456.3	445.6	424.5	*419.3*	399.4	372.8
10°	463.4	464.5	468.6	476.8	482.8	485.9	479.8	460.4	*452.2*	432.8	394.7
12.5°	455.7	457.4	464.0	477.6	494.3	509.7	513.5	496.5	*489.1*	464.2	420.4
15°	445.6	447.0	456.0	474.6	499.8	528.0	543.9	536.5	*528.3*	502.3	448.9
17.5°	430.0	431.9	444.5	469.7	502.3	542.5	576.7	579.2	*573.4*	545.2	480.4
20°	421.3	422.6	433.8	459.8	500.6	553.2	607.4	630.6	*624.4*	594.8	516.5
22.5°	428.6	429.7	437.1	457.4	495.2	559.2	635.9	682.1	*678.6*	647.9	554.6
25°	467.5	471.1	466.7	470.3	497.6	562.5	658.8	733.6	*734.4*	703.5	594.0
27.5°	546.3	541.7	531.3	513.5	516.8	571.3	678.6	782.0	*789.1*	757.7	629.0
30°	626.5	623.8	617.5	589.9	566.9	590.7	695.2	831.6	*842.8*	811.0	660.2
32.5°	716.6	719.3	708.1	675.0	635.9	630.1	712.5	878.6	*899.7*	871.5	696.9
35°	824.2	825.0	802.8	766.1	721.8	695.2	743.4	930.6	*969.5*	948.7	745.9
37.5°	929.0	933.9	921.9	864.1	824.7	776.3	794.6	997.4	*1052.2*	1044.0	807.5
40°	1021.8	1029.5	1025.6	969.8	918.1	877.3	874.0	1075.7	*1152.1*	1161.4	888.8
42.5°	1095.7	1100.6	1103.6	1063.9	1018.2	995.2	972.0	1166.6	*1270.1*	1308.1	988.4
45°	1173.7	1175.4	1181.6	1154.8	1114.9	1116.8	1087.8	1276.9	*1394.3*	1470.7	1102.8
47.5°	1273.1	1278.5	1275.5	1247.3	1211.2	1232.8	1207.4	1390.5	*1517.0*	1644.2	1220.0
50°	1394.1	1399.8	1397.1	1364.2	1324.0	1333.0	1317.1	1500.8	*1635.2*	1807.9	1317.4
52.5°	1456.5	1461.1	1495.1	1509.8	1488.8	1431.3	1410.8	1622.1	*1735.1*	1942.6	1406.9
55°	1426.4	1429.6	1503.5	1565.9	1643.1	1585.7	1504.9	1715.7	*1823.2*	2047.7	1473.4
57.5°	1301.5	1319.3	1419.8	1525.4	1687.8	1738.1	1657.6	1817.5	*1908.1*	2120.8	1538.9
60°	1045.6	1044.8	1188.8	1378.5	1600.7	1780.0	1873.3	1955.2	*1993.2*	2176.9	1626.4
62.5°	577.8	583.0	774.6	1024.5	1358.7	1671.6	2035.1	2193.0	*2187.3*	2274.9	1763.6
65°	287.7	298.1	402.1	586.9	904.1	1381.5	2063.0	2556.0	*2539.6*	2505.6	2046.9
67.5°	*182.6*	*186.7*	*244.2*	*341.1*	*502.5*	*887.9*	*1889.2*	*2826.7*	*2864.7*	*2779.3*	*2328.0*
70°	118.2	125.1	169.7	233.2	303.3	457.7	1383.9	2651.2	*2738.6*	2749.2	2152.8
72.5°	64.3	69.3	108.4	166.4	219.0	228.8	777.4	1989.7	*2130.1*	2332.1	1684.2
75°	36.7	40.2	59.4	113.0	160.7	139.3	344.6	1331.9	*1421.4*	1666.7	1206.8
77.5°	22.2	25.2	33.4	55.0	100.7	93.1	130.3	810.8	*867.7*	994.4	633.4
80°	10.1	12.0	21.1	30.4	55.0	44.1	49.8	378.0	*390.3*	408.1	209.7
82.5°	4.7	5.5	9.6	18.1	31.2	25.5	19.2	87.3	*122.9*	116.3	53.4
85°	0.5	0.5	3.6	7.4	8.8	6.6	7.9	19.7	*24.9*	35.0	15.3
87.5°	0.0	0.0	0.3	0.3	0.5	0.8	1.6	2.5	*3.6*	5.7	3.8
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: P630075
CATALOG NUMBER: GWS-SA1C-830-U-T2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	332.8	332.8	332.8	332.8	332.8	332.8	332.8	332.8	332.8	332.8	332.8
2.5°	338.0	330.4	323.5	313.4	306.6	298.9	293.7	287.4	284.9	283.0	280.3
5°	345.7	333.4	316.7	298.1	282.8	268.2	254.8	246.1	238.4	237.3	233.5
7.5°	358.3	340.0	311.8	281.4	255.4	231.3	212.4	197.1	189.4	187.0	182.6
10°	375.0	349.8	304.4	257.8	220.3	191.6	170.3	153.0	141.0	136.6	133.3
12.5°	393.6	358.8	292.6	228.8	186.1	153.3	126.2	107.8	100.2	97.4	95.0
15°	415.0	367.3	274.0	199.8	152.7	112.8	93.6	85.7	82.4	81.6	80.7
17.5°	435.5	372.8	251.8	169.7	117.4	87.6	78.6	75.5	74.7	73.9	73.4
20°	458.8	376.6	225.8	141.2	91.1	74.2	69.8	67.6	66.0	64.3	64.1
22.5°	482.6	376.6	197.6	113.3	76.4	66.5	61.6	57.5	54.5	52.8	52.3
25°	505.3	371.4	169.7	90.6	67.3	59.1	52.8	48.2	44.1	42.2	41.6
27.5°	521.4	358.0	145.3	76.6	61.0	52.6	44.9	39.7	36.4	34.5	34.2
30°	531.6	338.0	122.9	68.4	55.6	45.7	38.0	33.7	31.2	29.8	29.3
32.5°	539.2	313.4	102.9	62.7	50.4	39.7	33.1	29.6	27.4	26.3	26.0
35°	554.6	290.1	88.1	57.5	44.9	34.8	29.0	26.3	24.6	23.3	23.0
37.5°	575.9	270.7	76.4	52.8	39.7	30.9	26.3	23.8	22.4	21.1	20.8
40°	607.4	258.4	67.6	48.2	35.0	27.9	24.1	21.9	20.0	18.6	18.3
42.5°	655.8	252.6	61.9	43.5	30.9	25.2	22.2	19.4	17.5	16.1	15.9
45°	713.6	255.7	56.9	38.9	28.2	23.3	19.7	17.0	15.1	13.7	13.4
47.5°	775.4	266.3	52.8	34.5	25.5	21.4	17.5	14.5	12.9	11.5	11.2
50°	840.0	283.8	49.3	30.4	23.3	19.2	15.1	12.6	10.9	9.9	9.6
52.5°	896.2	307.7	45.7	27.4	21.4	17.0	13.1	10.9	9.3	8.2	7.9
55°	949.8	330.1	43.0	24.6	19.2	14.8	11.5	9.3	7.9	6.8	6.6
57.5°	1008.1	353.9	39.7	22.2	17.2	13.1	10.1	7.9	6.8	5.7	5.5
60°	1093.0	389.2	34.8	20.3	15.1	11.5	8.8	7.1	6.0	4.7	4.4
62.5°	1215.3	453.6	29.3	17.5	12.9	9.9	7.4	6.0	4.9	3.8	3.3
65°	1444.1	563.0	24.1	14.5	10.4	8.2	6.3	4.9	3.8	2.7	2.5
67.5°	*1608.9*	*591.5*	*19.4*	*11.8*	*8.5*	*6.3*	*5.2*	*3.8*	*2.7*	*1.9*	*1.6*
70°	1406.6	424.8	15.1	9.6	7.1	4.9	4.1	3.0	1.9	1.4	1.1
72.5°	1059.8	277.6	11.2	7.4	5.5	4.1	3.0	2.5	1.6	1.1	0.8
75°	747.0	160.4	8.2	5.5	3.8	3.0	2.5	1.9	1.4	0.8	0.8
77.5°	382.9	66.2	5.7	3.8	2.7	1.9	1.6	1.1	1.1	0.8	0.5
80°	116.3	21.9	3.3	2.5	1.9	1.4	0.8	0.8	0.8	0.5	0.3
82.5°	26.6	7.1	1.9	1.9	1.4	1.1	0.8	0.3	0.3	0.0	0.0
85°	6.8	2.2	1.6	1.4	1.4	1.1	0.5	0.3	0.0	0.0	0.0
87.5°	2.5	1.4	1.4	1.4	1.1	0.8	0.5	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

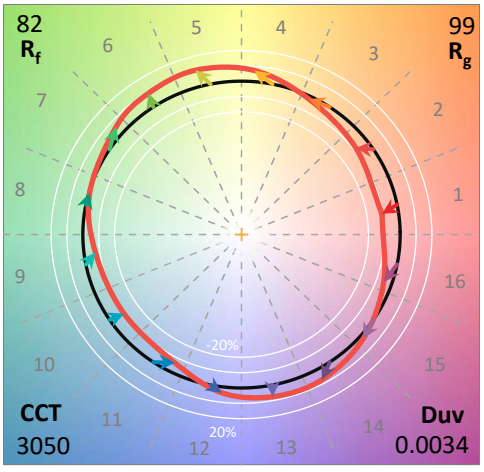
Test Information

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

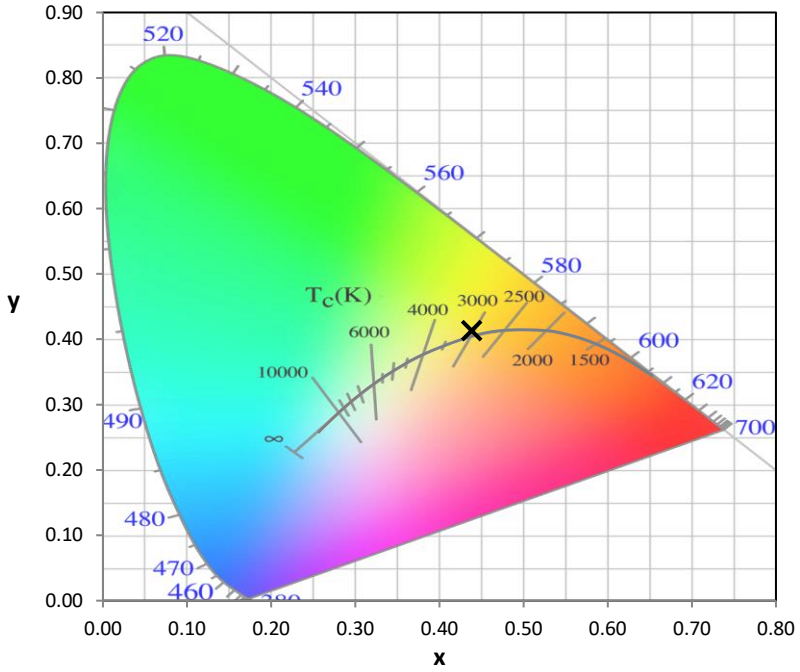
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

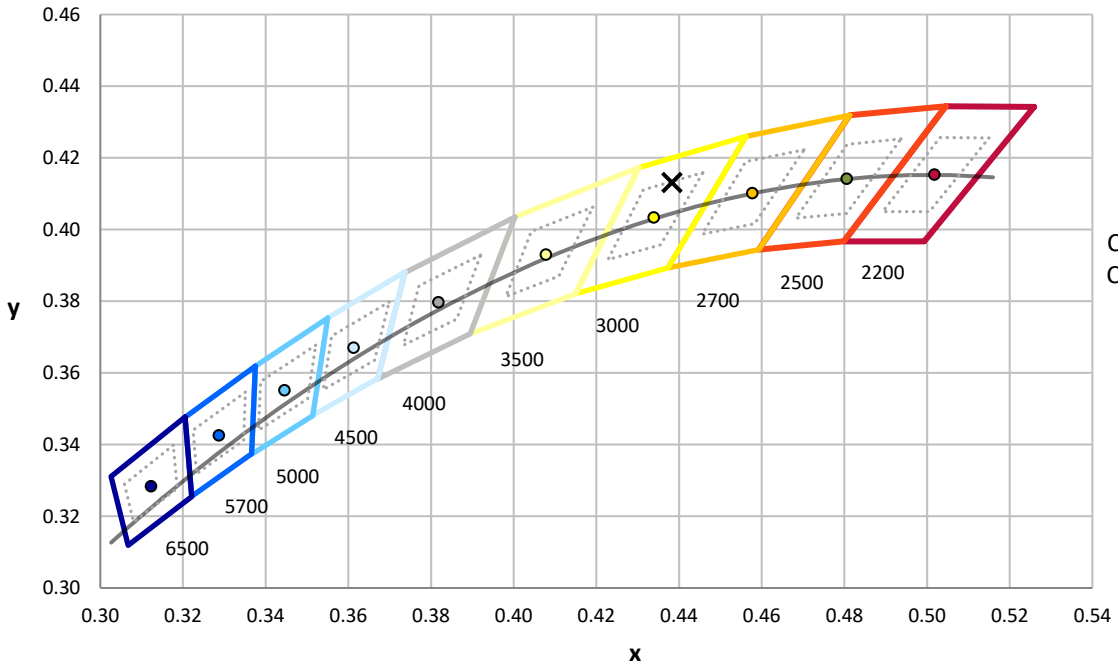
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

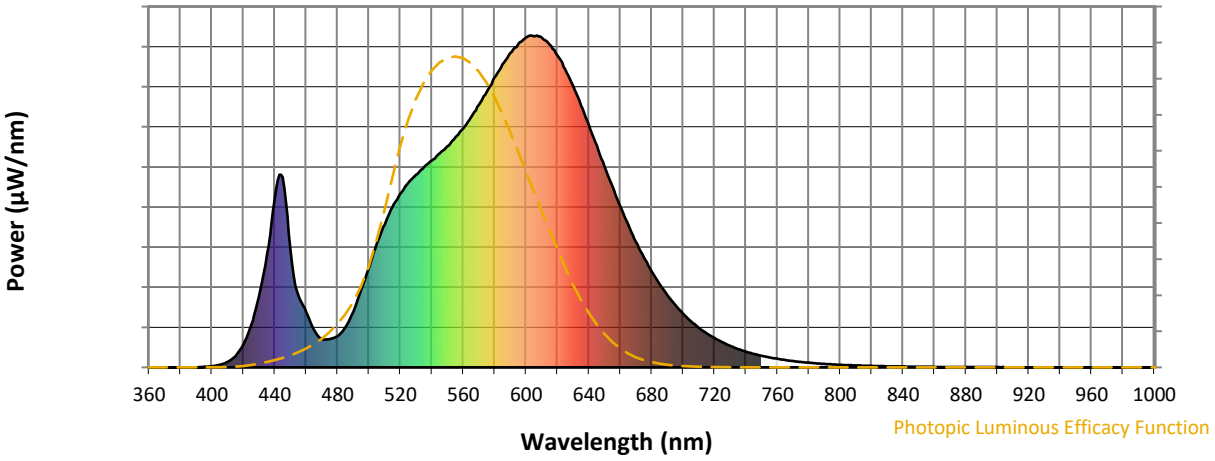


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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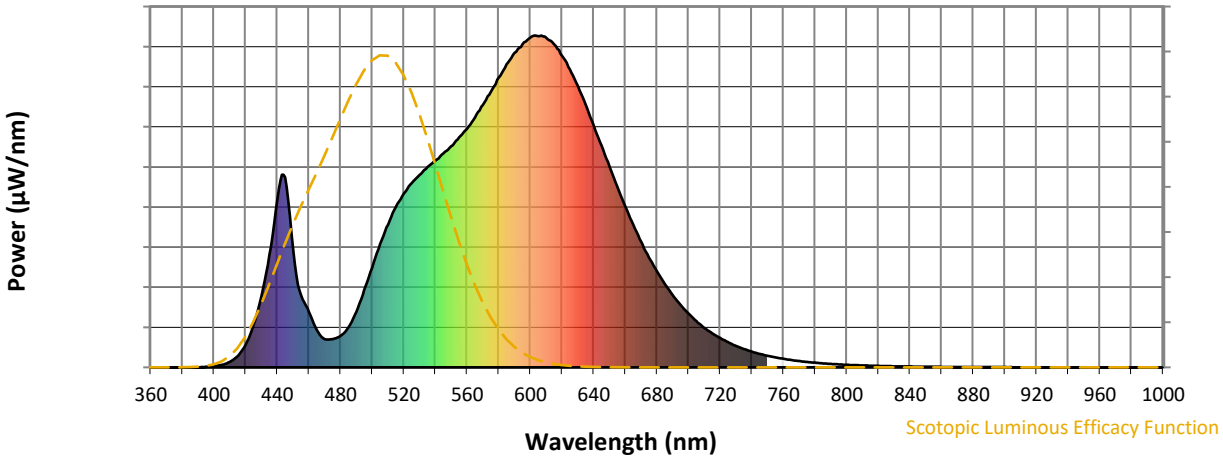
Scotopic Flux vs. Wavelength



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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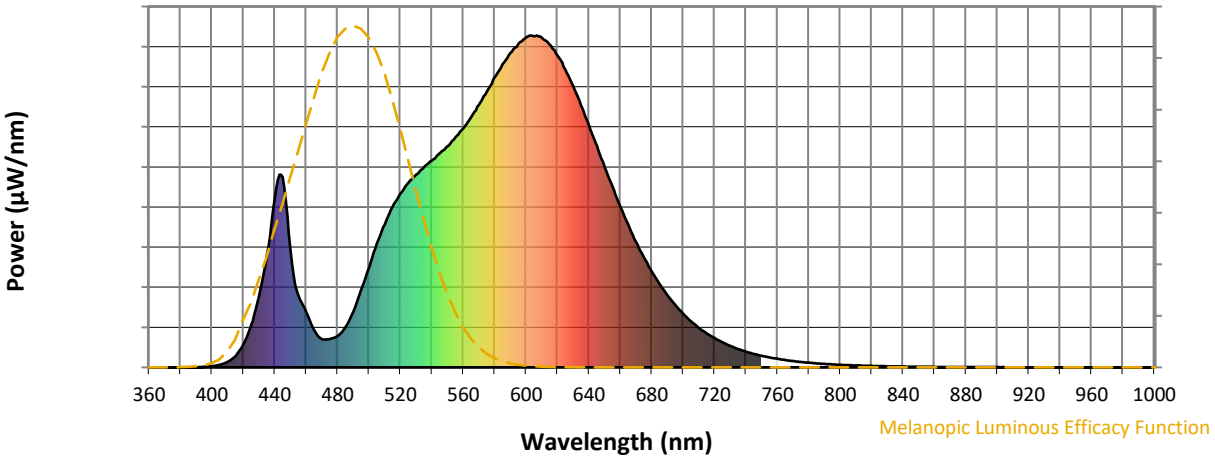
Melanopic Flux vs. Wavelength



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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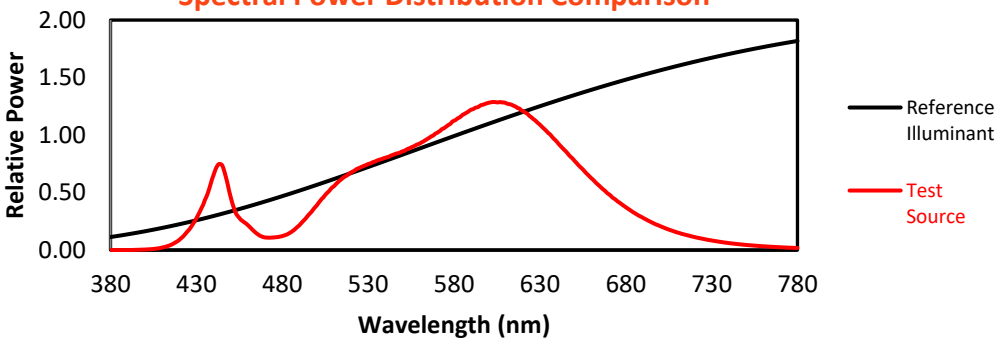
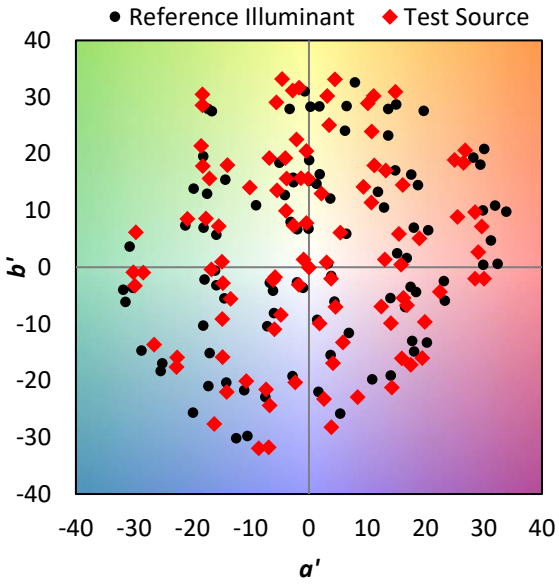
Summary

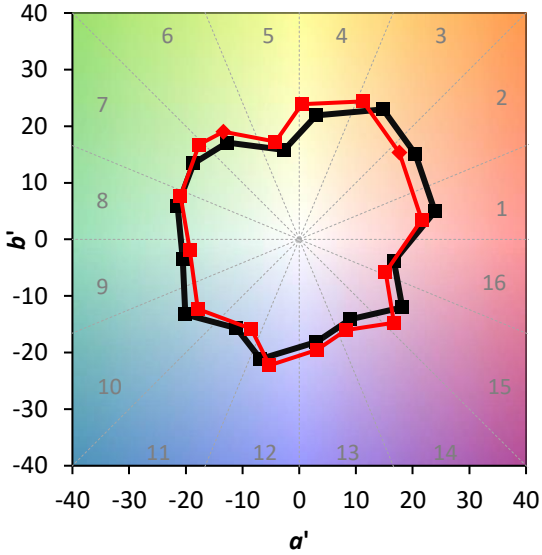
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

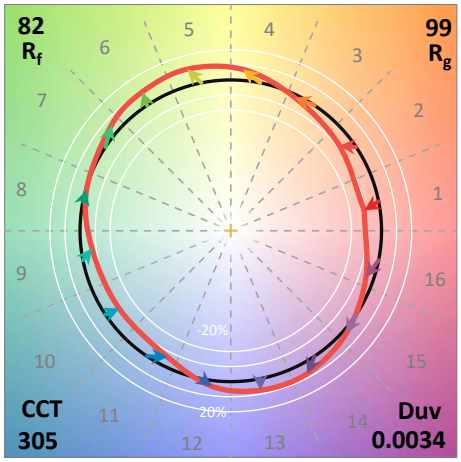
Spectral Power Distribution Comparison

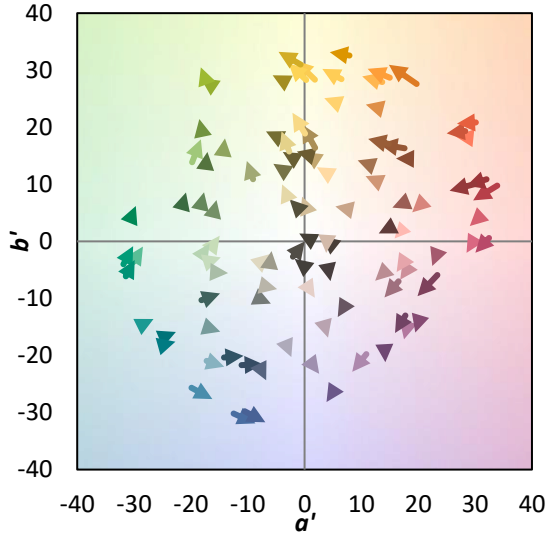


Color Vector Graphics









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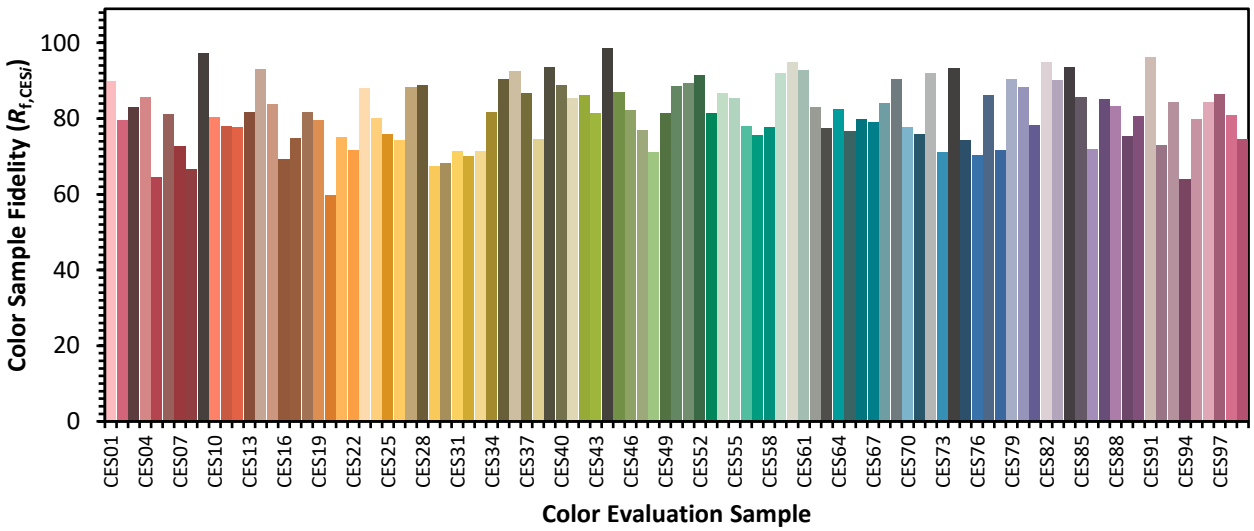
Individual Sample Fidelity Index ($R_{f,i}$)

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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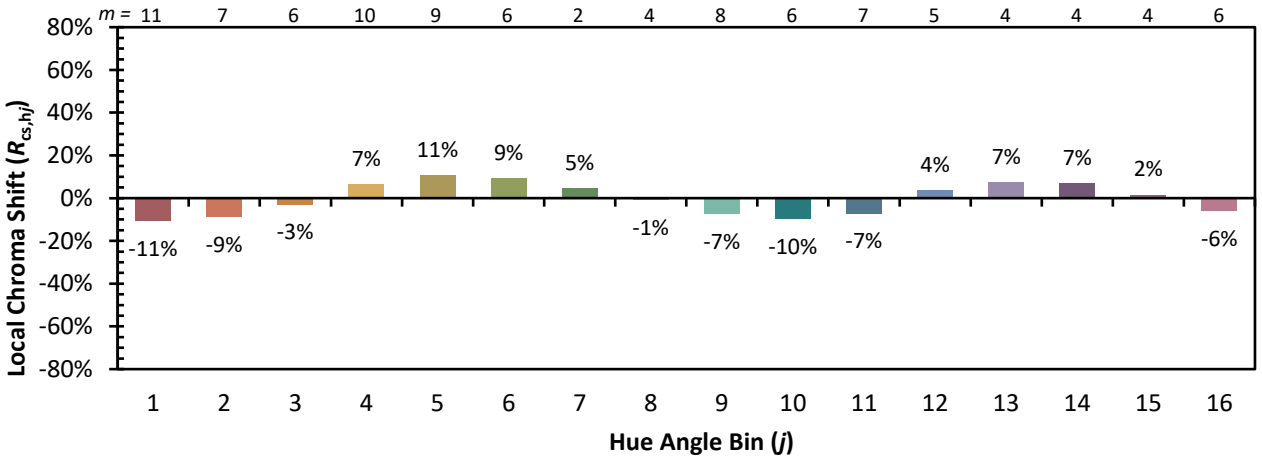
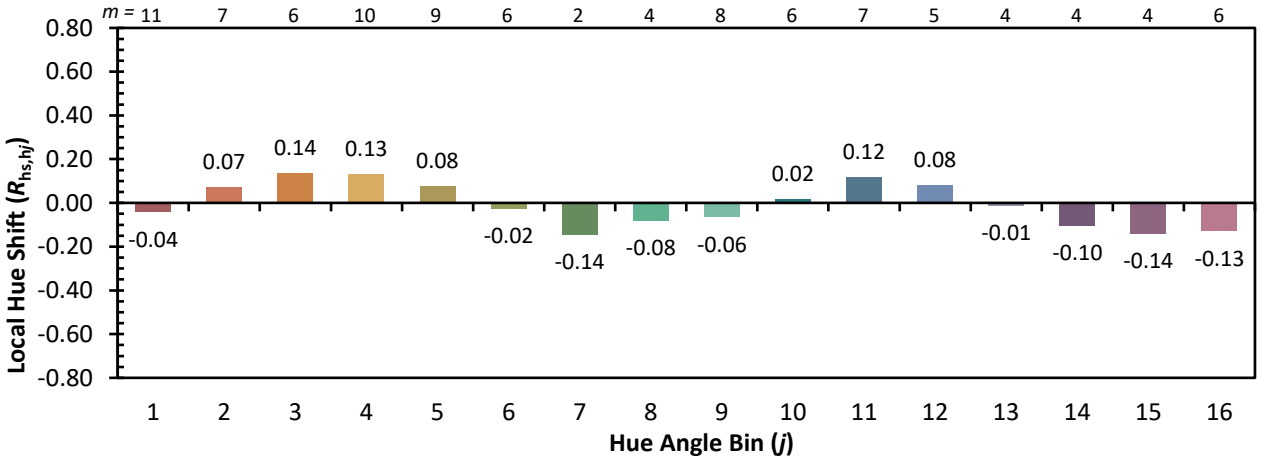
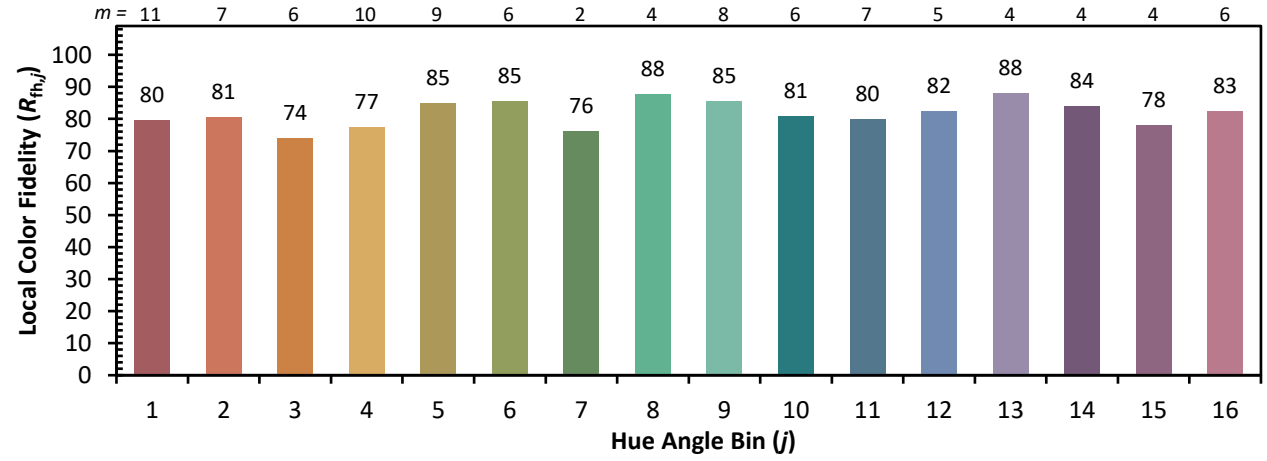
Color Rendition by Hue-Angle Bin







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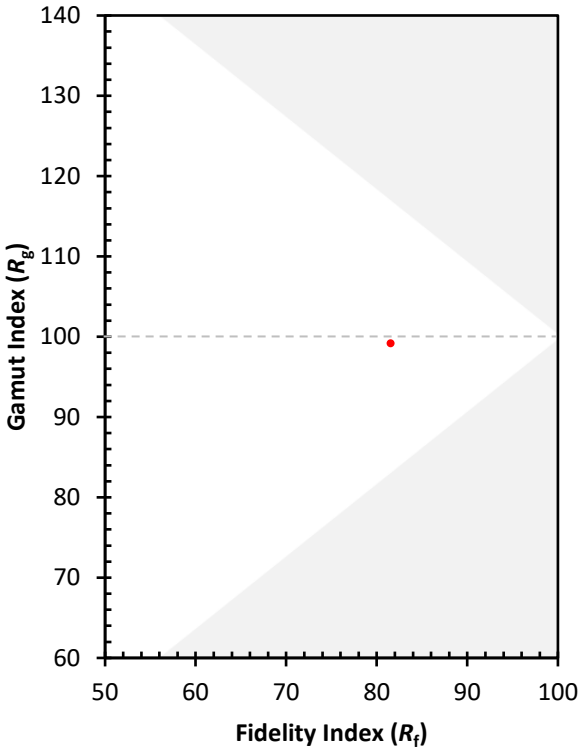
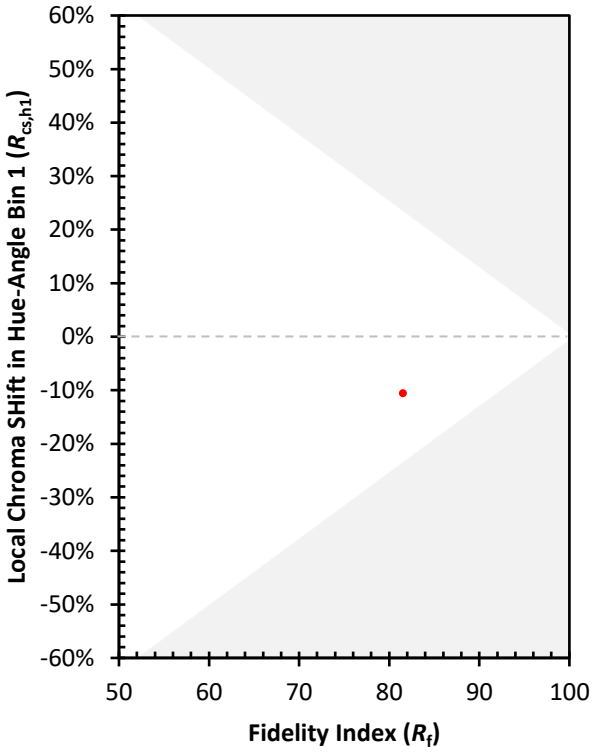
Measure Comparisons





(END OF REPORT)