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: P632063

Luminaire Tested: GWS-SA2B-830-U-T3-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:	P632063
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA2B-830-U-T3-W-HSS
Description:	GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source:	(32) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4024.8 lumens
Efficiency:	N/A
Efficacy:	86.7 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	46.4
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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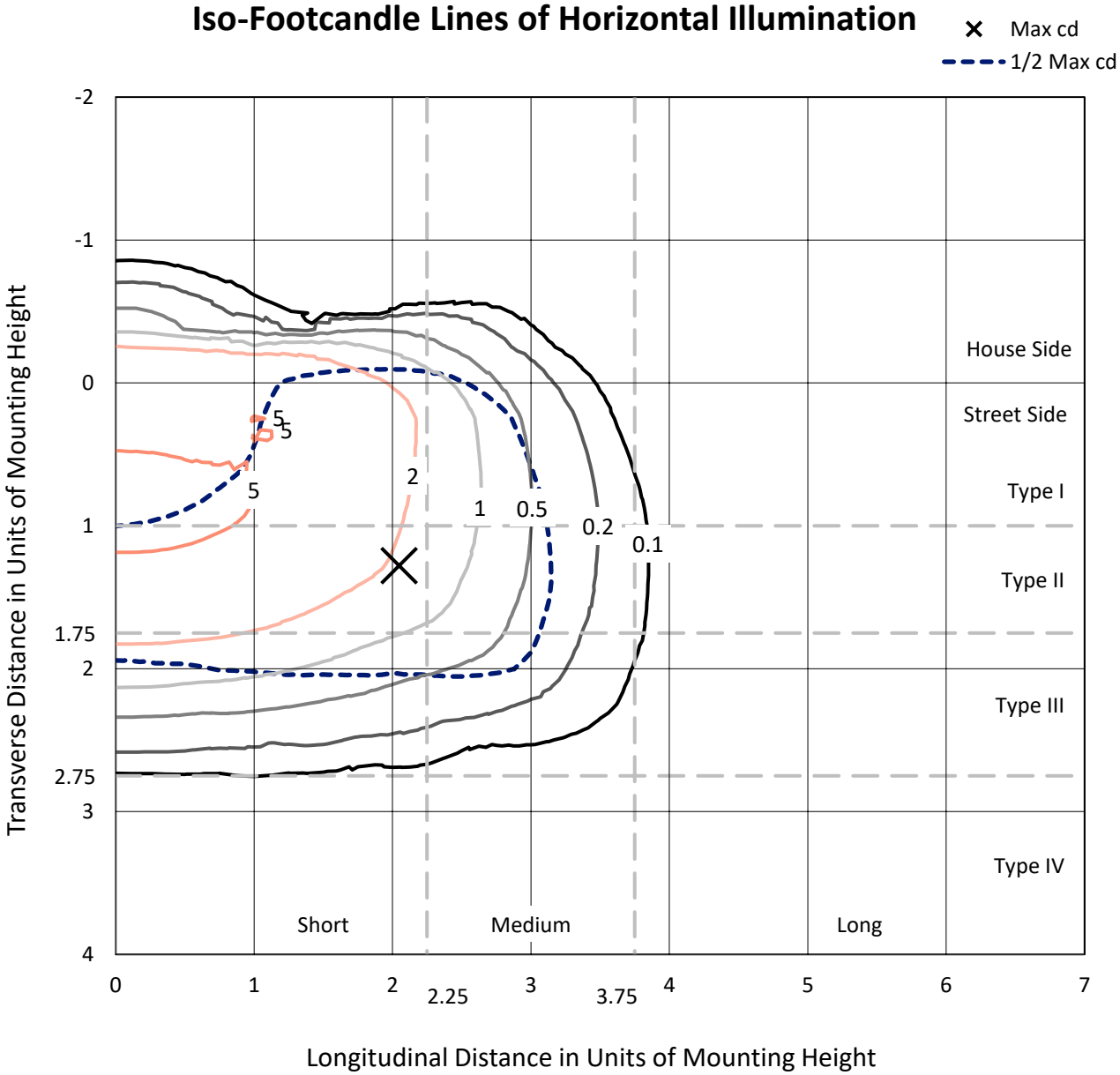
REPORT NUMBER: P632063
CATALOG NUMBER: GWS-SA2B-830-U-T3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
Type III - Short - N/A

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REPORT NUMBER: P632063
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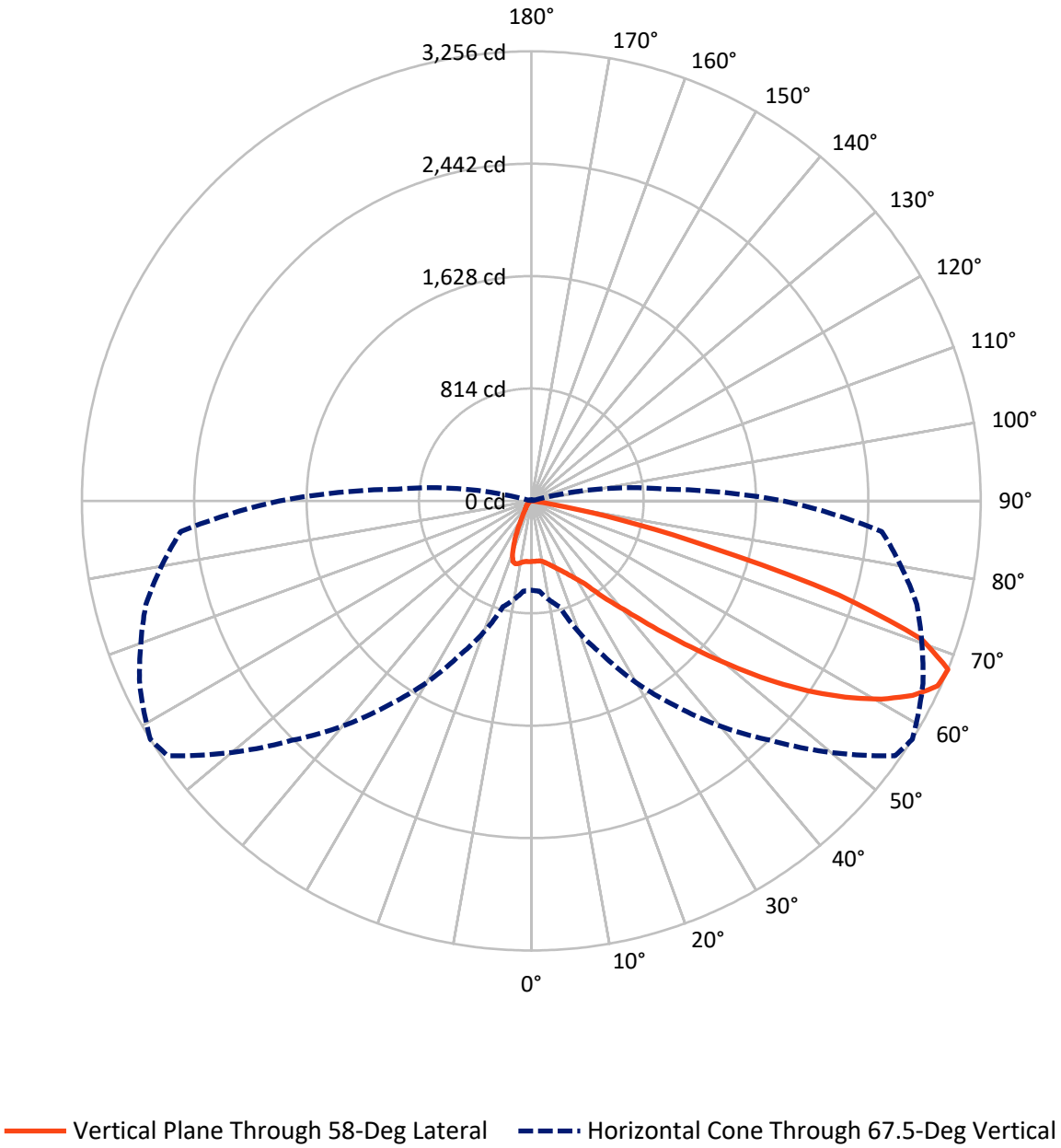
Luminous Intensity Polar Plot



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REPORT NUMBER: P632063
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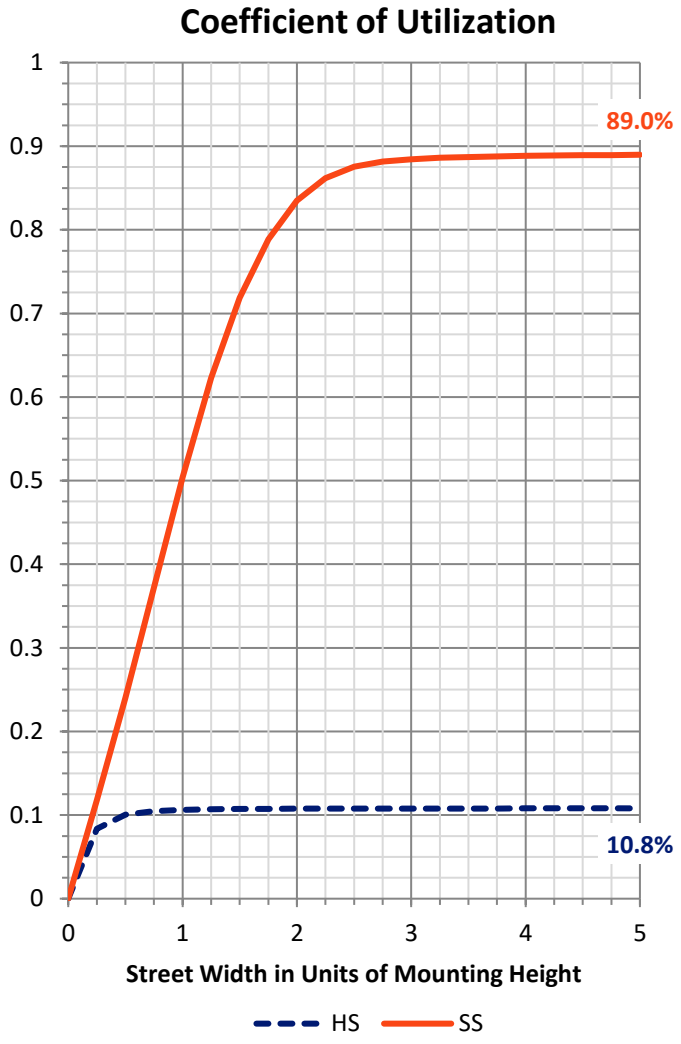
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	439.1	0.0	439.1
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	3585.7	0.0	3585.7
	% Fixture	89.1	0.0	89.1
Total	Lumens	4024.8	0.0	4024.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.2	1.0
10°-20°	115.7	2.9
20°-30°	201.9	5.0
30°-40°	360.6	9.0
40°-50°	659.1	16.4
50°-60°	1096.2	27.2
60°-70°	1190.6	29.6
70°-80°	349.6	8.7
80°-90°	10.0	0.2
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°	4024.8	100.0
0°-180°	4024.8	100.0



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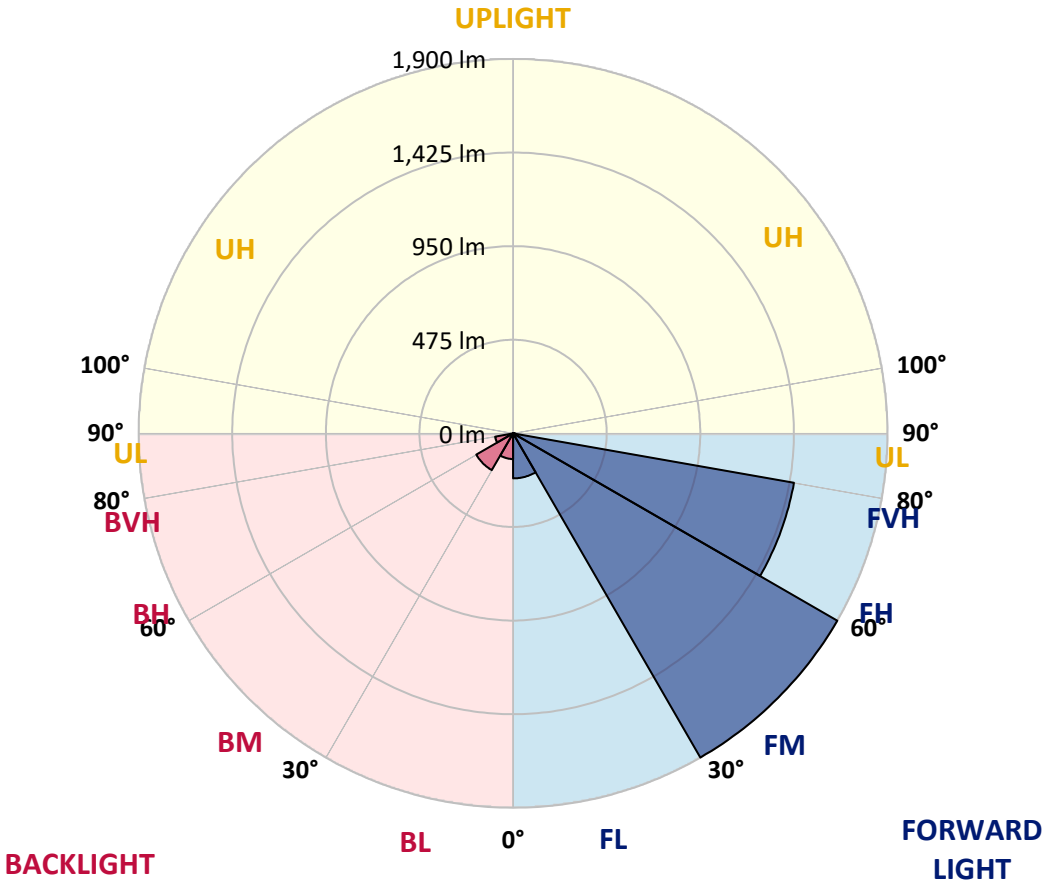
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	228.5	5.7			
FM	(30°-60°)	1900.2	47.2			
FH	(60°-80°)	1447.5	36.0			G1/1800
FVH	(80°-90°)	9.5	0.2			G0/10
BL	(0°-30°)	130.2	3.2	B1/500		
BM	(30°-60°)	215.7	5.4	B0/220		
BH	(60°-80°)	92.7	2.3	B0/110		G0/110
BVH	(80°-90°)	0.5	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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Scaled Data Report

REPORT NUMBER: P632063
CATALOG NUMBER: GWS-SA2B-830-U-T3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	438.6	438.6	438.6	438.6	438.6	438.6	438.6	438.6	438.6	438.6	438.6
2.5°	430.3	429.5	429.5	432.7	433.1	434.7	438.2	438.6	440.5	439.8	437.0
5°	407.9	408.3	410.7	416.2	420.9	426.8	435.4	437.4	441.7	444.1	442.5
7.5°	387.1	387.5	391.0	399.7	408.7	420.5	434.7	438.6	447.2	453.5	453.9
10°	379.2	378.8	382.4	392.2	404.0	420.5	440.9	446.0	459.0	470.0	472.0
12.5°	381.6	381.2	384.7	393.8	406.8	427.6	451.9	459.0	475.5	492.4	496.0
15°	391.0	390.6	393.0	400.5	414.6	436.2	466.1	476.7	497.5	518.0	523.5
17.5°	419.3	417.4	415.0	415.8	424.0	446.4	484.2	497.1	523.1	547.4	552.2
20°	469.6	464.5	458.2	450.0	446.0	461.4	505.0	519.9	551.4	579.3	580.1
22.5°	545.5	543.5	529.0	505.0	488.1	488.5	529.4	546.7	585.2	615.8	611.5
25°	651.2	650.0	627.6	588.3	544.3	529.4	560.4	578.1	625.3	657.9	644.1
27.5°	782.5	774.2	747.9	694.8	629.2	582.4	599.7	615.4	667.7	698.4	672.4
30°	896.8	897.2	872.4	817.0	743.2	662.2	647.7	661.4	706.6	738.8	707.4
32.5°	1006.9	1010.4	983.3	933.4	852.4	766.3	716.4	718.8	756.5	791.5	753.4
35°	1109.0	1111.8	1092.9	1050.5	975.0	875.2	812.3	811.1	831.6	867.3	817.4
37.5°	1223.4	1226.1	1207.7	1169.6	1098.8	999.8	921.2	919.6	927.9	956.9	900.0
40°	1345.2	1350.3	1329.9	1297.7	1230.1	1146.4	1047.7	1033.6	1025.3	1059.5	1006.9
42.5°	1468.6	1476.5	1469.4	1437.2	1379.4	1310.2	1212.0	1190.0	1172.3	1215.1	1159.3
45°	1621.9	1631.3	1628.2	1603.4	1558.6	1502.4	1409.7	1384.1	1375.9	1415.6	1349.2
47.5°	1769.3	1779.5	1790.9	1785.4	1753.5	1727.6	1624.6	1610.1	1607.7	1650.2	1547.2
50°	1878.9	1888.3	1932.0	1963.4	1985.0	1979.5	1890.3	1868.7	1865.2	1892.3	1756.3
52.5°	1957.5	1966.5	2026.7	2124.9	2204.3	2247.5	2157.5	2152.8	2133.6	2124.1	1952.0
55°	2018.4	2031.0	2094.3	2242.8	2402.8	2498.7	2442.5	2425.6	2376.1	2321.8	2133.6
57.5°	2030.6	2035.7	2124.9	2325.4	2556.8	2712.1	2712.1	2682.6	2587.1	2512.0	2343.4
60°	1921.4	1937.1	2057.7	2318.7	2622.9	2851.6	2935.7	2915.2	2786.3	2694.0	2545.4
62.5°	1678.9	1696.6	1843.5	2158.7	2556.8	2880.3	3105.1	3101.9	2956.5	2844.5	2712.8
65°	1287.5	1300.4	1428.5	1805.8	2277.8	2769.8	3226.1	3234.7	3090.9	2943.9	2770.6
67.5°	646.9	655.9	794.2	1233.6	1805.4	2451.9	3217.8	3256.4	3131.8	2891.3	2550.1
70°	226.0	235.0	300.2	529.4	1098.8	1872.2	2939.6	3002.5	2891.7	2468.0	1881.3
72.5°	77.4	81.7	124.6	196.5	427.6	1109.8	2235.4	2330.1	2131.6	1656.9	1081.1
75°	44.0	46.8	66.8	106.5	179.2	365.1	1268.2	1326.4	1242.7	903.1	444.9
77.5°	29.9	32.2	41.7	60.5	99.0	117.5	517.2	651.2	567.9	294.7	113.6
80°	17.7	19.3	25.5	35.8	50.7	45.6	110.8	147.4	189.8	88.0	34.2
82.5°	8.3	9.4	16.5	23.6	25.5	19.3	32.6	39.7	53.4	43.2	14.1
85°	0.0	0.0	5.5	9.8	9.4	5.5	9.0	9.8	14.5	21.6	5.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	2.4	4.3	2.4
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: P632063
CATALOG NUMBER: GWS-SA2B-830-U-T3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	438.6	438.6	438.6	438.6	438.6	438.6	438.6	438.6	438.6	438.6	438.6
2.5°	440.2	437.4	440.5	439.0	440.5	440.2	437.0	435.0	435.0	431.5	430.3
5°	445.7	442.9	443.7	440.2	439.4	437.4	433.5	431.9	431.9	428.4	427.2
7.5°	457.8	453.5	452.7	445.7	442.5	437.0	429.9	427.2	426.8	423.3	422.1
10°	477.1	472.0	468.5	459.4	450.4	439.4	424.4	411.9	404.8	395.4	394.6
12.5°	500.7	494.4	488.9	475.1	460.2	435.4	391.4	345.4	317.1	294.7	296.3
15°	527.0	521.1	512.5	491.6	461.0	396.5	304.6	233.8	199.2	180.8	180.0
17.5°	555.7	547.0	532.9	504.6	436.2	303.0	198.1	139.9	121.8	115.5	114.0
20°	582.4	571.8	554.1	507.4	364.7	205.1	123.8	108.5	105.3	103.4	103.4
22.5°	610.7	597.4	571.0	486.1	271.2	131.3	105.3	101.8	99.4	96.7	96.3
25°	639.4	622.1	586.3	430.7	177.6	103.4	98.6	94.7	90.4	86.1	84.9
27.5°	663.8	641.4	598.1	348.2	114.0	93.1	90.0	83.3	77.4	72.7	71.9
30°	692.9	664.2	603.2	254.7	89.6	82.1	77.4	70.3	63.3	58.6	57.0
32.5°	731.8	700.3	595.4	165.8	79.4	72.3	64.8	56.6	49.5	44.4	43.6
35°	792.3	754.9	559.2	105.7	71.9	62.5	53.4	44.8	38.9	35.0	34.2
37.5°	866.2	831.6	499.9	79.4	64.5	54.2	43.6	35.4	31.0	28.3	27.5
40°	975.8	927.5	426.4	69.6	57.0	46.0	35.8	29.1	25.9	23.6	22.8
42.5°	1118.1	1040.7	341.9	63.3	49.9	38.5	29.1	24.0	21.2	19.6	19.3
45°	1284.3	1151.1	252.7	57.0	43.2	31.8	24.0	19.6	17.7	16.5	16.1
47.5°	1454.5	1247.8	174.5	50.3	36.9	26.3	20.0	16.9	15.3	13.8	13.4
50°	1636.0	1329.5	119.1	43.6	31.4	21.6	17.3	15.3	13.4	12.2	11.8
52.5°	1769.3	1359.8	82.9	37.7	26.7	18.5	15.3	13.8	12.2	10.6	10.2
55°	1892.3	1359.0	62.9	31.8	22.8	16.1	13.8	12.2	10.6	9.4	9.0
57.5°	2014.9	1348.4	49.5	27.1	19.6	14.5	12.2	10.6	9.8	8.3	7.9
60°	2094.3	1308.3	38.5	22.8	16.9	12.6	10.6	9.4	8.3	7.1	6.7
62.5°	2136.3	1252.5	29.5	18.1	13.8	11.0	9.4	8.3	7.1	5.9	5.5
65°	2079.3	1153.4	23.2	14.1	10.6	9.4	7.9	6.7	5.5	4.3	3.9
67.5°	*1826.6*	*972.7*	*18.1*	*11.4*	*8.3*	*7.1*	*6.7*	*5.5*	*3.9*	*3.1*	*2.8*
70°	1291.0	666.1	14.1	8.6	6.3	5.5	5.1	4.3	3.1	2.4	2.0
72.5°	708.6	336.0	10.2	6.3	4.7	4.3	3.9	3.5	2.8	2.0	2.0
75°	272.7	92.4	7.5	4.3	3.1	3.1	2.8	2.8	2.4	1.6	1.6
77.5°	71.1	27.5	4.7	2.8	2.0	2.0	2.0	1.6	1.6	1.2	1.2
80°	22.8	9.0	2.8	2.0	1.6	1.2	1.2	0.8	1.2	0.8	0.8
82.5°	7.5	3.1	1.6	1.6	1.2	0.8	0.8	0.4	0.4	0.0	0.0
85°	2.8	1.6	1.2	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.0
87.5°	1.6	0.8	0.8	0.8	0.8	0.4	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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1121 Highway 74 South
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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

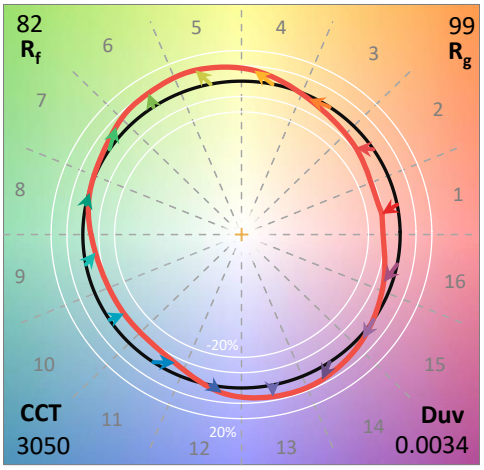
Test Information

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

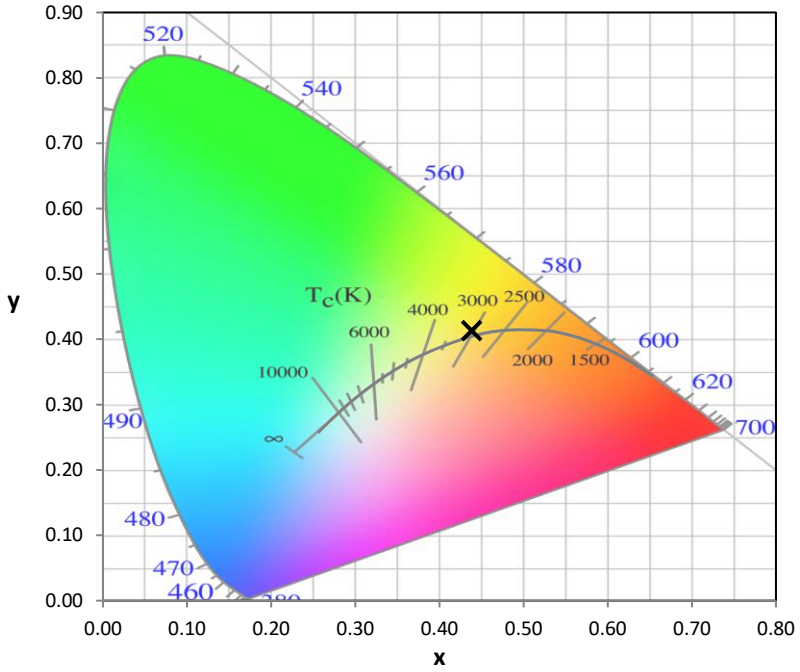
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

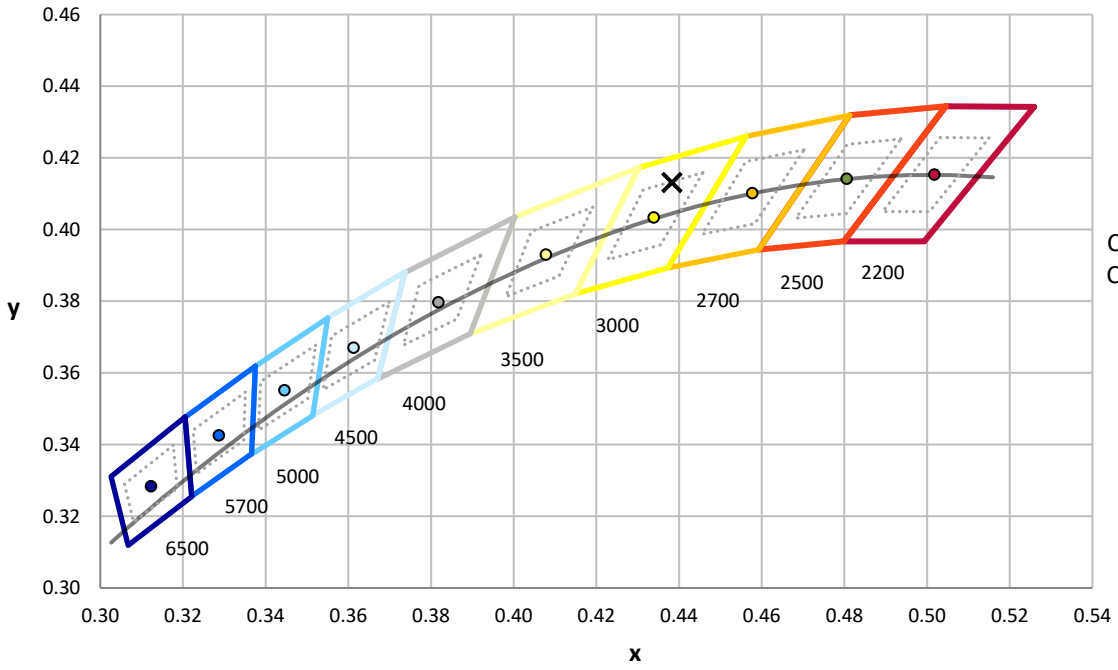
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

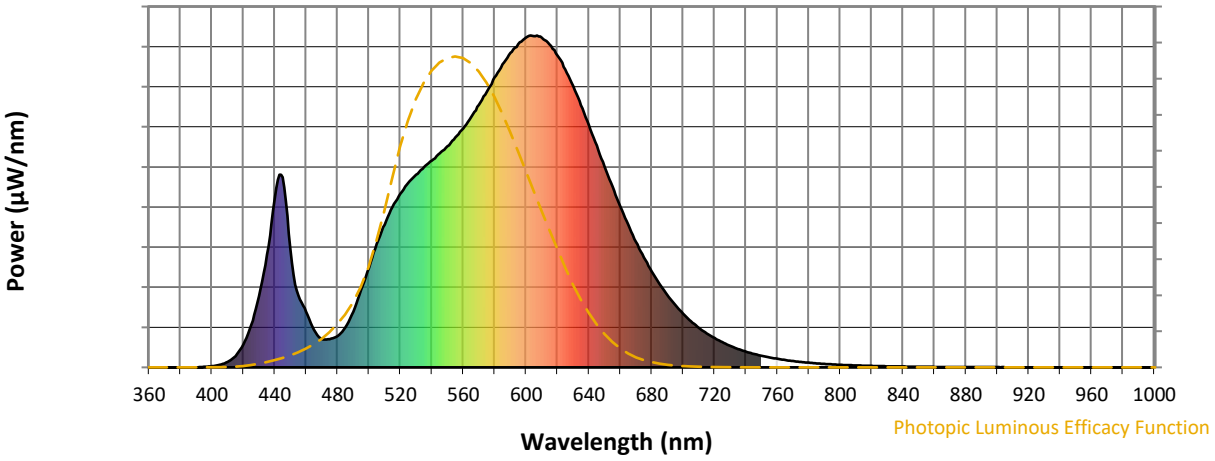


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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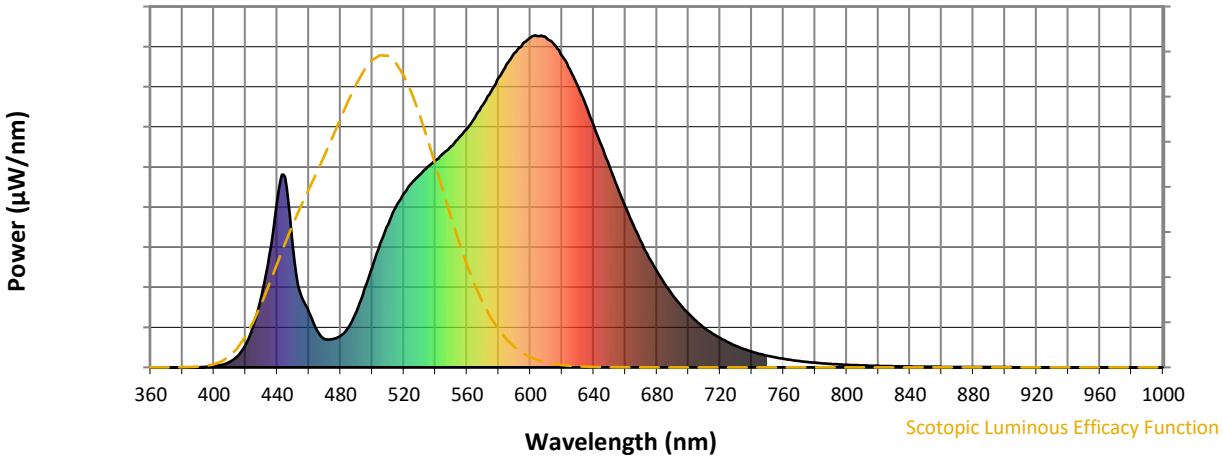
Scotopic Flux vs. Wavelength



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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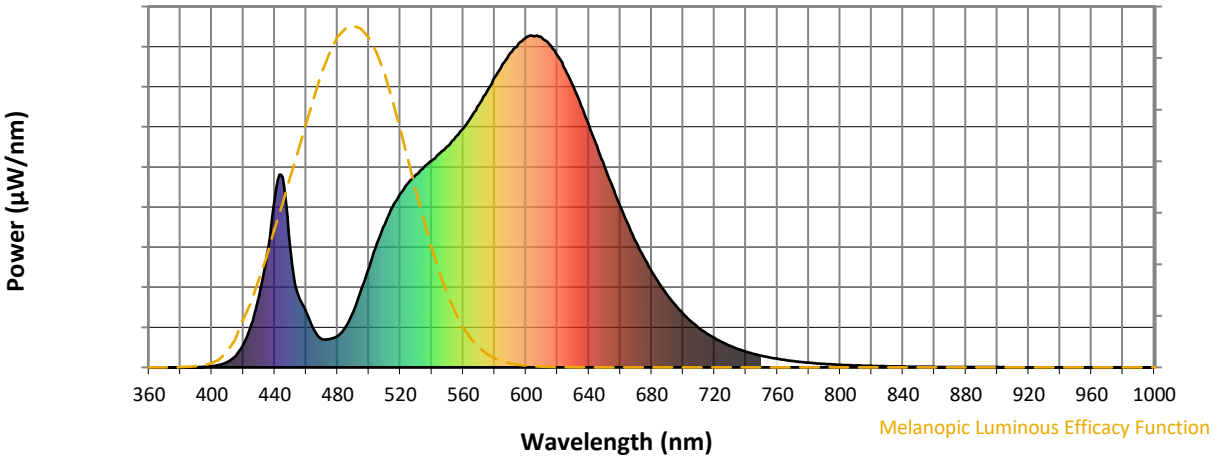
Melanopic Flux vs. Wavelength



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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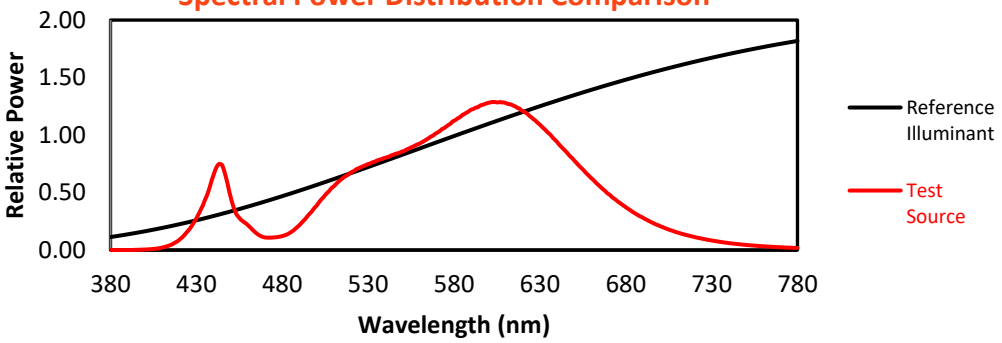
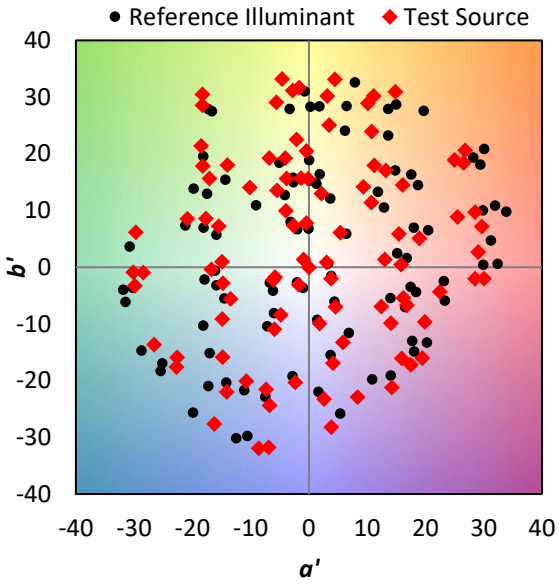
Summary

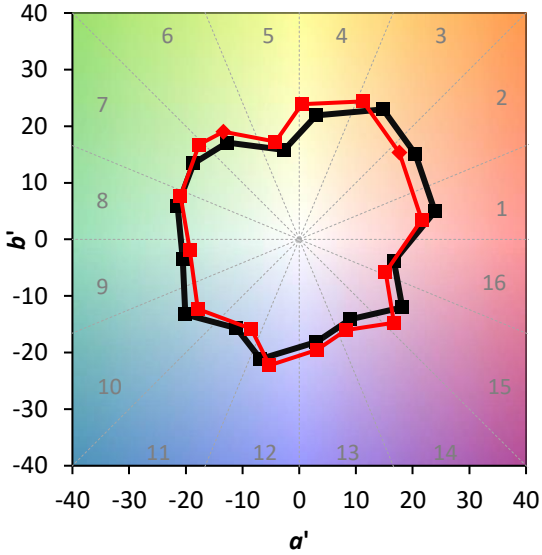
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

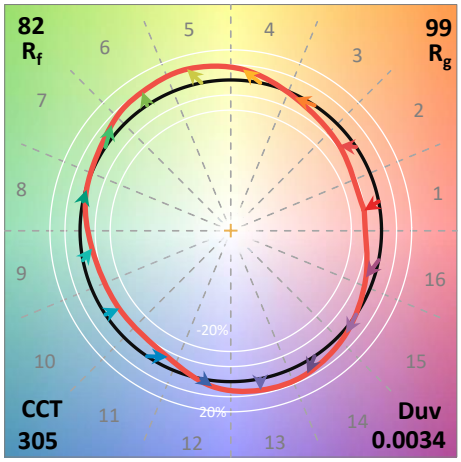
Spectral Power Distribution Comparison

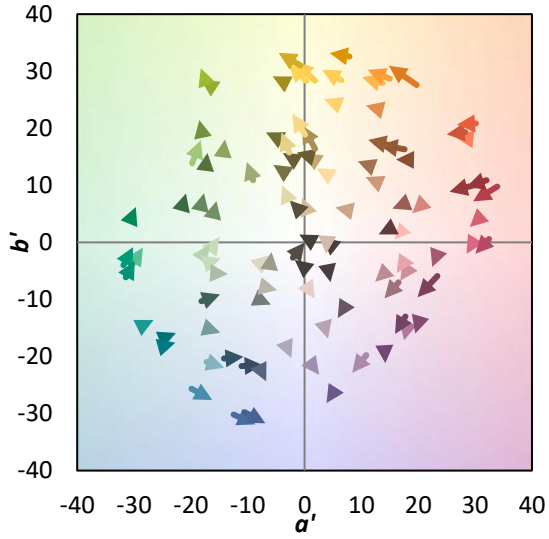


Color Vector Graphics









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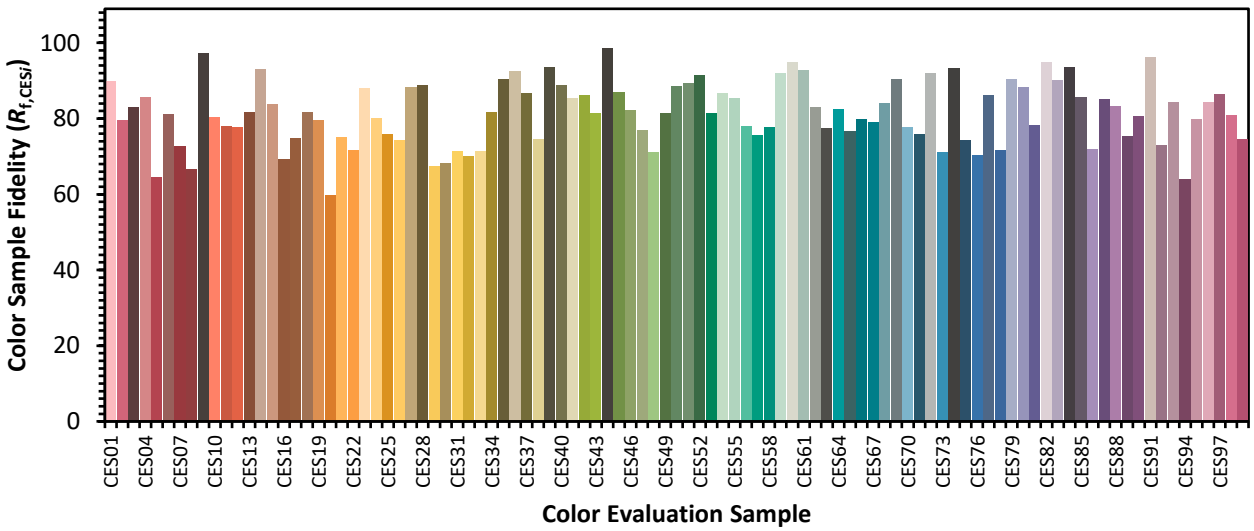
Individual Sample Fidelity Index ($R_{f,i}$)

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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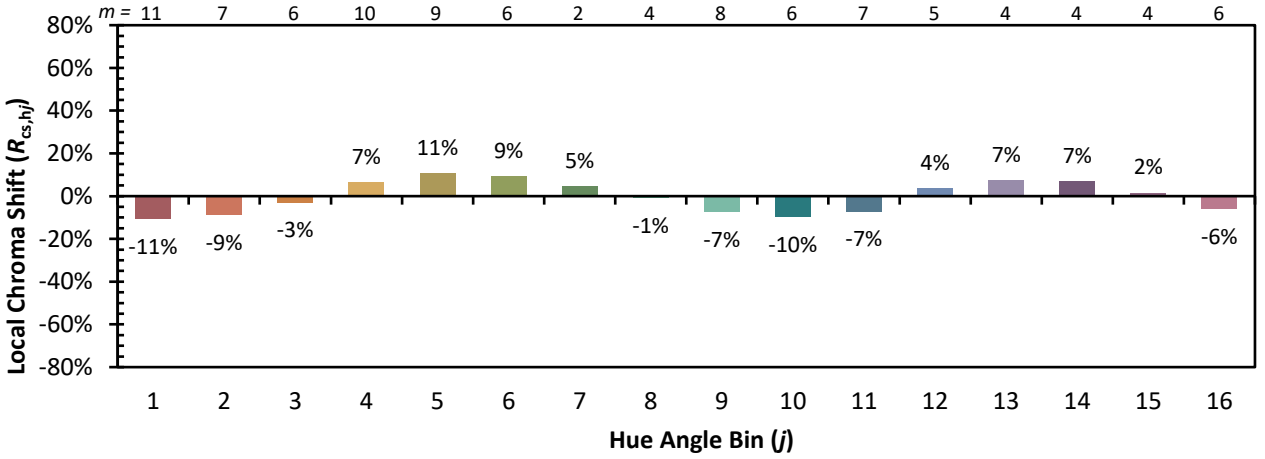
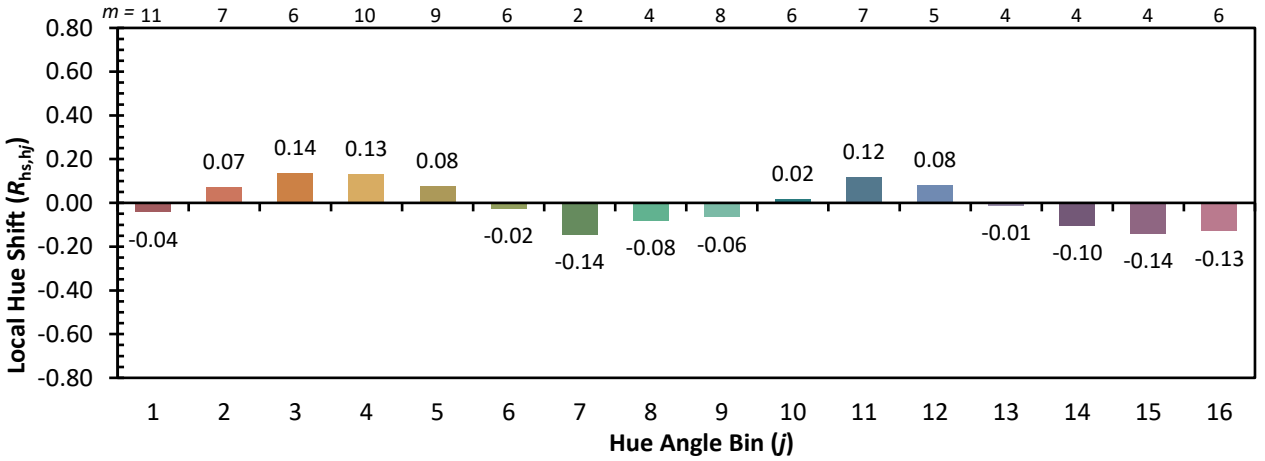
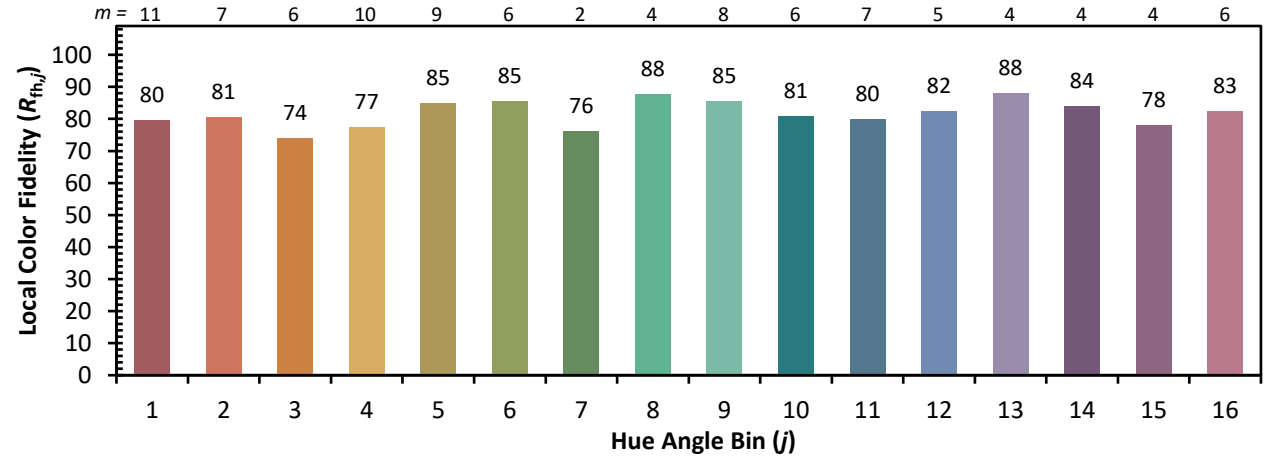
Color Rendition by Hue-Angle Bin







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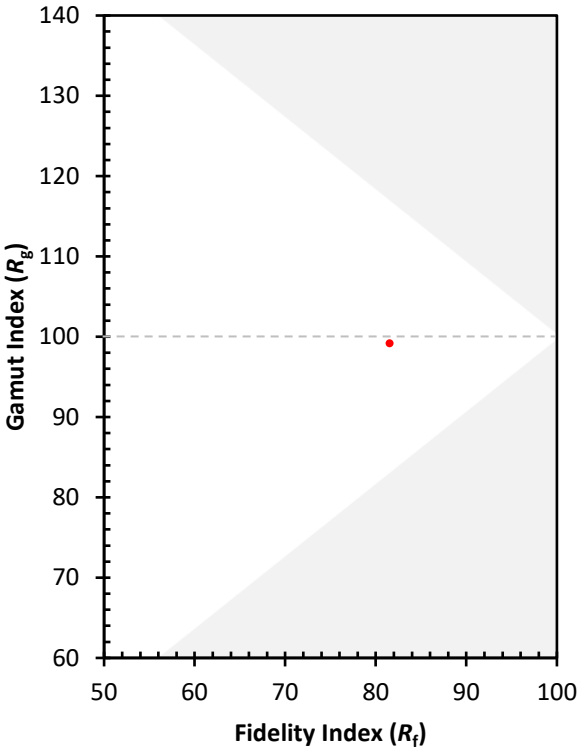
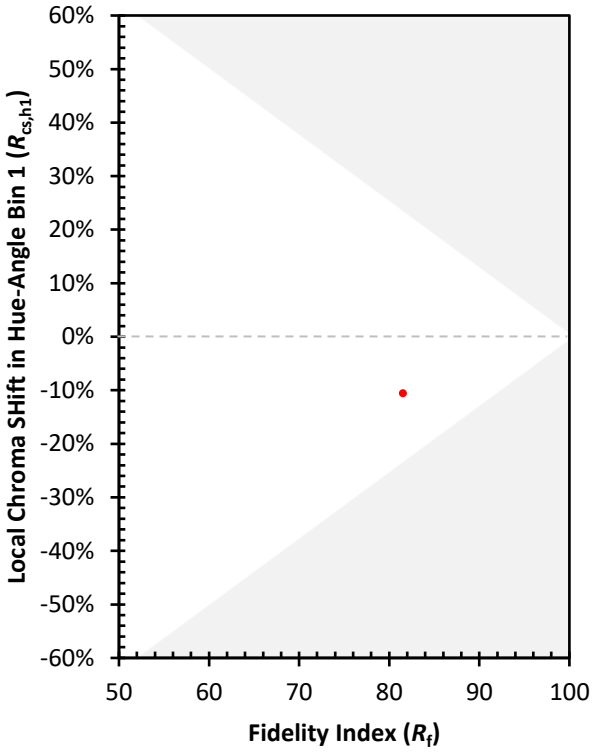
Measure Comparisons





(END OF REPORT)