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: P632558

Luminaire Tested: GWS-SA2C-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:	P632558
	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-SA2C-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:	5397.7 lumens
Efficiency:	N/A
Efficacy:	85.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	63.2
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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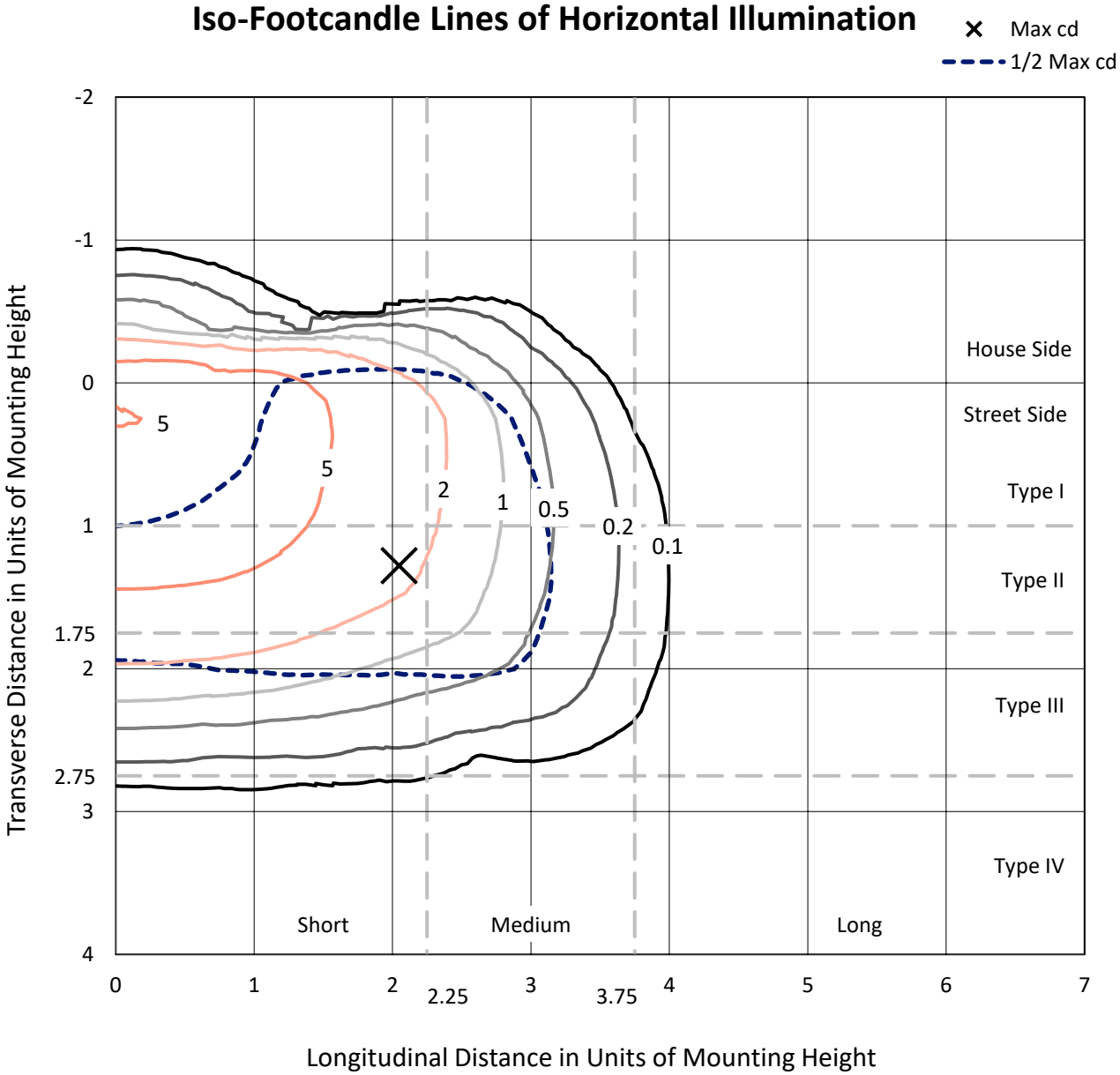
REPORT NUMBER: P632558
CATALOG NUMBER: GWS-SA2C-830-U-T3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
Type III - Short - N/A

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REPORT NUMBER: P632558
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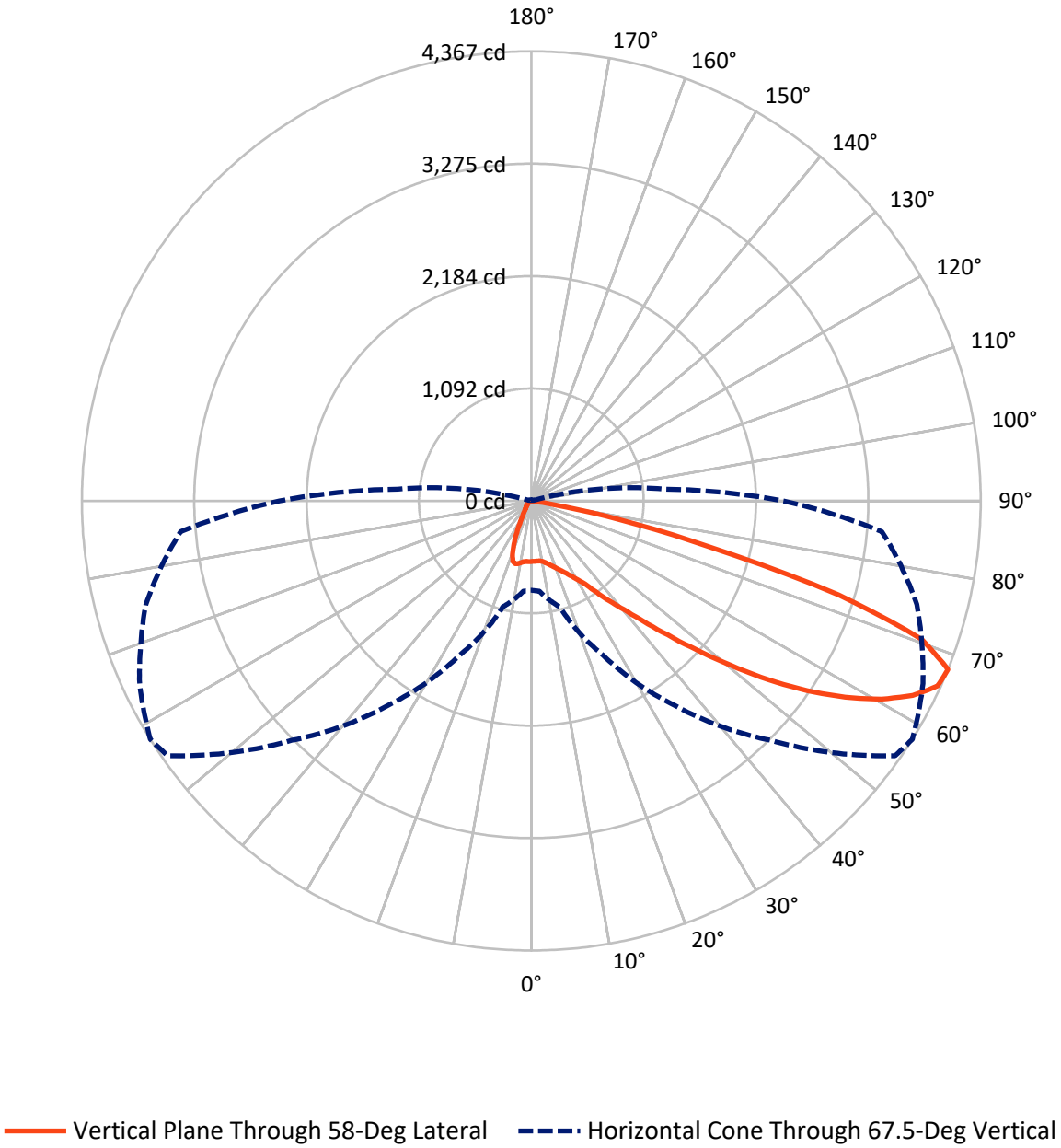
Luminous Intensity Polar Plot



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REPORT NUMBER: P632558
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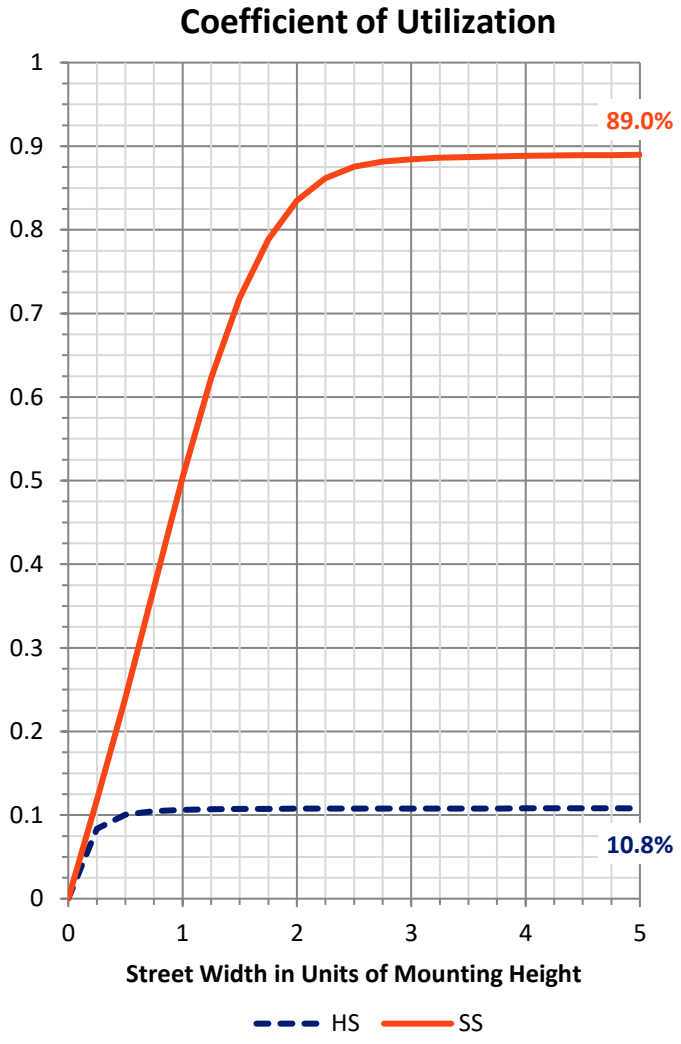
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	588.9	0.0	588.9
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	4808.8	0.0	4808.8
	% Fixture	89.1	0.0	89.1
Total	Lumens	5397.7	0.0	5397.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.3	1.0
10°-20°	155.1	2.9
20°-30°	270.8	5.0
30°-40°	483.6	9.0
40°-50°	883.9	16.4
50°-60°	1470.1	27.2
60°-70°	1596.7	29.6
70°-80°	468.8	8.7
80°-90°	13.4	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°	5397.7	100.0
0°-180°	5397.7	100.0



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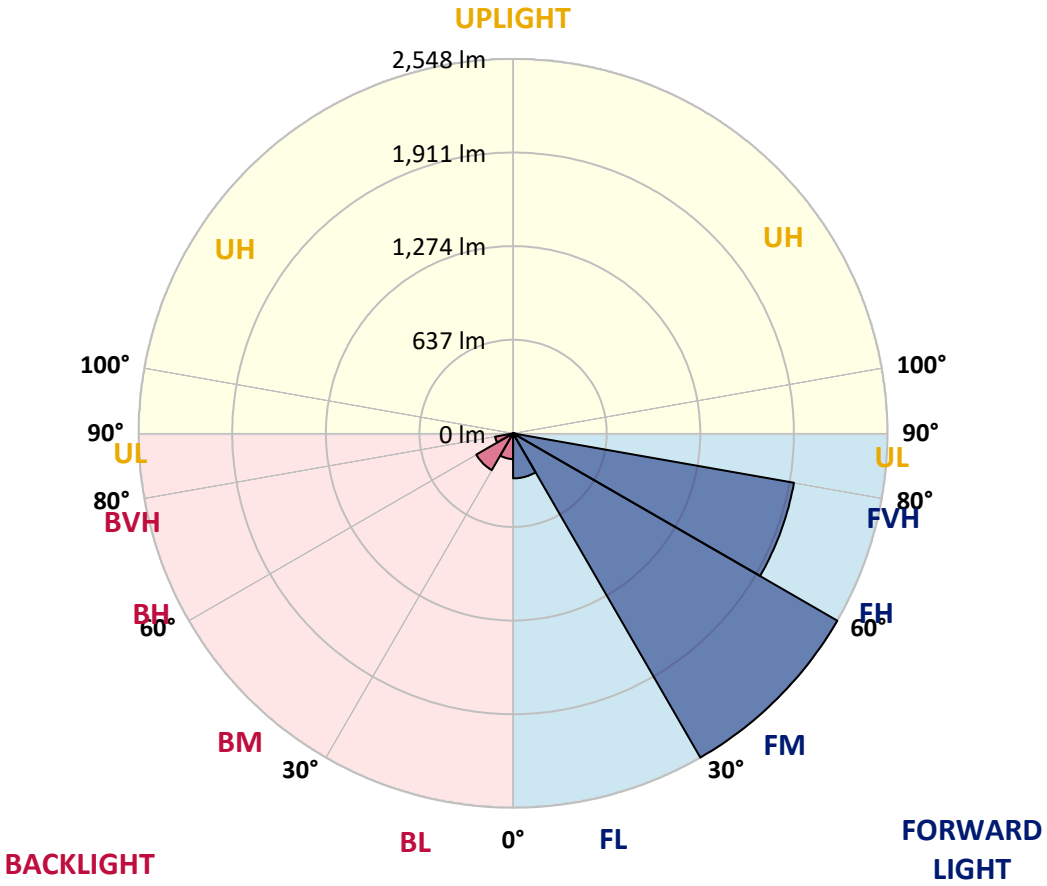
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	306.5	5.7			
FM	(30°-60°)	2548.4	47.2			
FH	(60°-80°)	1941.3	36.0			G2/5000
FVH	(80°-90°)	12.7	0.2			G1/100
BL	(0°-30°)	174.7	3.2	B1/500		
BM	(30°-60°)	289.2	5.4	B1/1000		
BH	(60°-80°)	124.3	2.3	B1/500		G1/500
BVH	(80°-90°)	0.7	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-G2
Type III Short



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REPORT NUMBER: P632558
CATALOG NUMBER: GWS-SA2C-830-U-T3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	588.2	588.2	588.2	588.2	588.2	588.2	588.2	588.2	588.2	588.2	588.2
2.5°	577.1	576.1	576.1	580.3	580.8	582.9	587.7	588.2	590.8	589.8	586.1
5°	547.1	547.6	550.8	558.1	564.5	572.4	584.0	586.6	592.4	595.6	593.5
7.5°	519.1	519.7	524.4	536.0	548.1	563.9	582.9	588.2	599.8	608.2	608.7
10°	508.6	508.1	512.8	526.0	541.8	563.9	591.4	598.2	615.6	630.4	633.0
12.5°	511.8	511.2	516.0	528.1	545.5	573.4	606.1	615.6	637.7	660.4	665.1
15°	524.4	523.9	527.1	537.1	556.0	585.0	625.1	639.3	667.2	694.7	702.0
17.5°	562.4	559.7	556.6	557.6	568.7	598.7	649.3	666.7	701.5	734.2	740.5
20°	629.8	623.0	614.5	603.5	598.2	618.8	677.3	697.3	739.5	776.9	777.9
22.5°	731.5	728.9	709.4	677.3	654.6	655.1	709.9	733.1	784.8	825.9	820.1
25°	873.3	871.7	841.7	789.0	730.0	709.9	751.6	775.3	838.5	882.3	863.8
27.5°	1049.4	1038.3	1003.0	931.8	843.8	781.1	804.3	825.4	895.5	936.6	901.8
30°	1202.7	1203.3	1170.1	1095.7	996.7	888.1	868.6	887.0	947.6	990.9	948.7
32.5°	1350.3	1355.0	1318.7	1251.7	1143.2	1027.7	960.8	964.0	1014.6	1061.5	1010.4
35°	1487.3	1491.0	1465.7	1408.8	1307.6	1173.7	1089.4	1087.8	1115.2	1163.2	1096.3
37.5°	1640.7	1644.4	1619.6	1568.5	1473.6	1340.8	1235.4	1233.3	1244.4	1283.4	1206.9
40°	1804.1	1810.9	1783.5	1740.3	1649.7	1537.4	1405.1	1386.1	1375.1	1420.9	1350.3
42.5°	1969.6	1980.1	1970.6	1927.4	1849.9	1757.2	1625.4	1595.9	1572.2	1629.6	1554.8
45°	2175.1	2187.8	2183.6	2150.4	2090.3	2014.9	1890.5	1856.3	1845.2	1898.4	1809.4
47.5°	2372.8	2386.5	2401.8	2394.4	2351.7	2316.9	2178.8	2159.3	2156.2	2213.1	2075.0
50°	2519.8	2532.5	2591.0	2633.1	2662.1	2654.8	2535.1	2506.1	2501.4	2537.7	2355.4
52.5°	2625.2	2637.4	2718.0	2849.8	2956.2	3014.2	2893.5	2887.2	2861.4	2848.7	2617.9
55°	2706.9	2723.8	2808.7	3007.9	3222.4	3351.0	3275.6	3253.0	3186.5	3113.8	2861.4
57.5°	2723.3	2730.1	2849.8	3118.6	3429.0	3637.2	3637.2	3597.6	3469.6	3368.9	3142.8
60°	2576.7	2597.8	2759.6	3109.6	3517.5	3824.3	3937.1	3909.7	3736.8	3612.9	3413.7
62.5°	2251.6	2275.3	2472.4	2895.1	3429.0	3862.8	4164.2	4160.0	3965.0	3814.8	3638.2
65°	1726.6	1744.0	1915.8	2421.8	3054.8	3714.6	4326.6	4338.2	4145.2	3948.1	3715.7
67.5°	867.5	879.6	1065.2	1654.4	2421.3	3288.3	4315.5	4367.1	4200.1	3877.5	3420.0
70°	303.1	315.2	402.7	709.9	1473.6	2510.9	3942.3	4026.7	3878.0	3309.9	2523.0
72.5°	103.8	109.6	167.1	263.5	573.4	1488.4	2997.9	3124.9	2858.7	2222.0	1449.9
75°	59.0	62.7	89.6	142.8	240.3	489.6	1700.8	1778.8	1666.5	1211.2	596.6
77.5°	40.1	43.2	55.9	81.2	132.8	157.6	693.6	873.3	761.6	395.3	152.3
80°	23.7	25.8	34.3	48.0	68.0	61.1	148.6	197.6	254.6	118.1	45.9
82.5°	11.1	12.6	22.1	31.6	34.3	25.8	43.7	53.2	71.7	58.0	19.0
85°	0.0	0.0	7.4	13.2	12.6	7.4	12.1	13.2	19.5	29.0	7.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	3.2	5.8	3.2
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: P632558
CATALOG NUMBER: GWS-SA2C-830-U-T3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	588.2	588.2	588.2	588.2	588.2	588.2	588.2	588.2	588.2	588.2	588.2
2.5°	590.3	586.6	590.8	588.7	590.8	590.3	586.1	583.4	583.4	578.7	577.1
5°	597.7	594.0	595.0	590.3	589.2	586.6	581.3	579.2	579.2	574.5	572.9
7.5°	614.0	608.2	607.2	597.7	593.5	586.1	576.6	572.9	572.4	567.6	566.1
10°	639.8	633.0	628.2	616.1	604.0	589.2	569.2	552.3	542.9	530.2	529.2
12.5°	671.5	663.0	655.7	637.2	617.2	584.0	524.9	463.3	425.3	395.3	397.4
15°	706.8	698.9	687.3	659.3	618.2	531.8	408.5	313.6	267.2	242.4	241.4
17.5°	745.2	733.7	714.7	676.7	585.0	406.4	265.6	187.6	163.4	155.0	152.8
20°	781.1	766.9	743.1	680.4	489.1	275.1	166.0	145.5	141.2	138.6	138.6
22.5°	819.0	801.1	765.8	652.0	363.7	176.0	141.2	136.5	133.3	129.7	129.1
25°	857.5	834.3	786.4	577.6	238.2	138.6	132.3	127.0	121.2	115.4	113.8
27.5°	890.2	860.1	802.2	467.0	152.8	124.9	120.7	111.7	103.8	97.5	96.5
30°	929.2	890.7	809.0	341.5	120.2	110.2	103.8	94.3	84.9	78.5	76.4
32.5°	981.4	939.2	798.5	222.4	106.5	97.0	87.0	75.9	66.4	59.6	58.5
35°	1062.5	1012.5	750.0	141.8	96.5	83.8	71.7	60.1	52.2	46.9	45.9
37.5°	1161.6	1115.2	670.4	106.5	86.4	72.7	58.5	47.4	41.6	37.9	36.9
40°	1308.7	1243.8	571.8	93.3	76.4	61.7	48.0	39.0	34.8	31.6	30.6
42.5°	1499.5	1395.6	458.5	84.9	66.9	51.7	39.0	32.2	28.5	26.4	25.8
45°	1722.4	1543.7	338.9	76.4	58.0	42.7	32.2	26.4	23.7	22.1	21.6
47.5°	1950.6	1673.4	234.0	67.5	49.5	35.3	26.9	22.7	20.6	18.4	17.9
50°	2194.1	1783.0	159.7	58.5	42.2	29.0	23.2	20.6	17.9	16.3	15.8
52.5°	2372.8	1823.6	111.2	50.6	35.8	24.8	20.6	18.4	16.3	14.2	13.7
55°	2537.7	1822.5	84.3	42.7	30.6	21.6	18.4	16.3	14.2	12.6	12.1
57.5°	2702.2	1808.3	66.4	36.4	26.4	19.5	16.3	14.2	13.2	11.1	10.5
60°	2808.7	1754.6	51.7	30.6	22.7	16.9	14.2	12.6	11.1	9.5	9.0
62.5°	2865.0	1679.7	39.5	24.2	18.4	14.8	12.6	11.1	9.5	7.9	7.4
65°	2788.6	1546.9	31.1	19.0	14.2	12.6	10.5	9.0	7.4	5.8	5.3
67.5°	*2449.7*	*1304.4*	*24.2*	*15.3*	*11.1*	*9.5*	*9.0*	*7.4*	*5.3*	*4.2*	*3.7*
70°	1731.4	893.4	19.0	11.6	8.4	7.4	6.9	5.8	4.2	3.2	2.6
72.5°	950.3	450.6	13.7	8.4	6.3	5.8	5.3	4.7	3.7	2.6	2.6
75°	365.8	123.9	10.0	5.8	4.2	4.2	3.7	3.7	3.2	2.1	2.1
77.5°	95.4	36.9	6.3	3.7	2.6	2.6	2.6	2.1	2.1	1.6	1.6
80°	30.6	12.1	3.7	2.6	2.1	1.6	1.6	1.1	1.6	1.1	1.1
82.5°	10.0	4.2	2.1	2.1	1.6	1.1	1.1	0.5	0.5	0.0	0.0
85°	3.7	2.1	1.6	1.1	1.1	1.1	0.5	0.0	0.0	0.0	0.0
87.5°	2.1	1.1	1.1	1.1	1.1	0.5	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

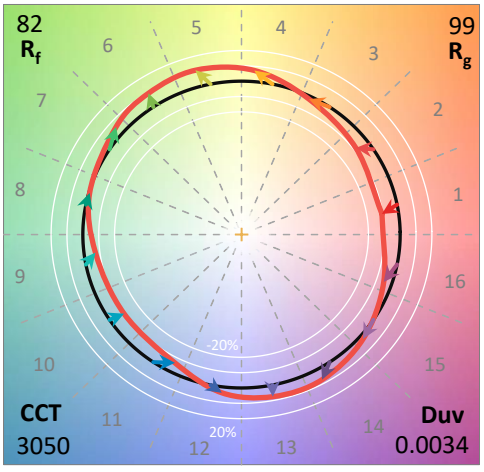
Test Information

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

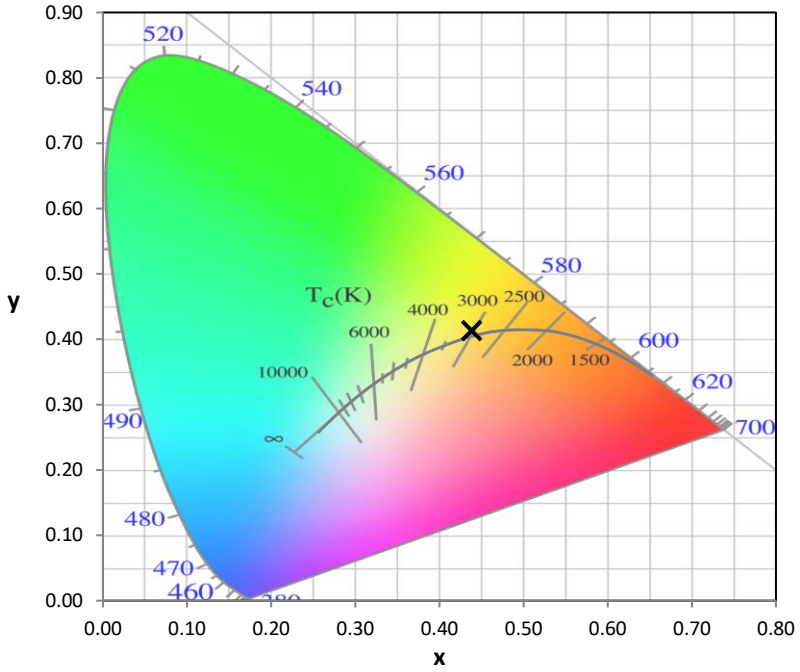
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

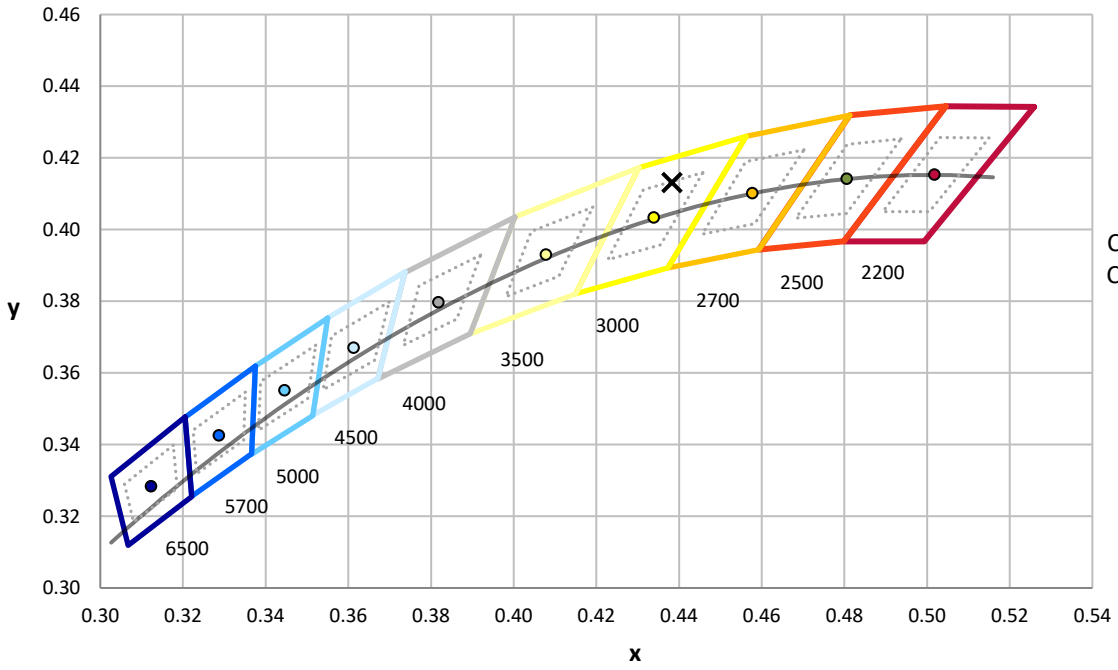
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

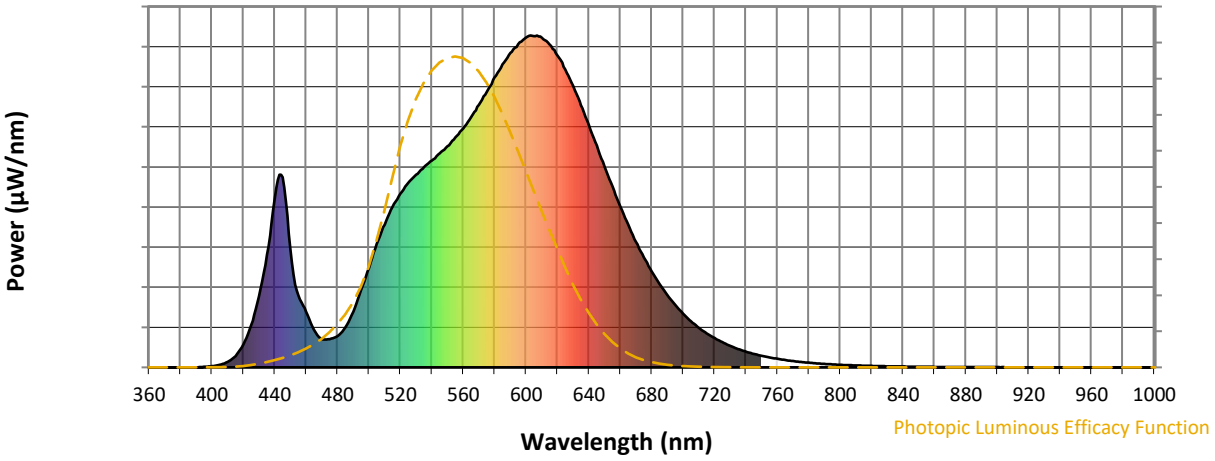


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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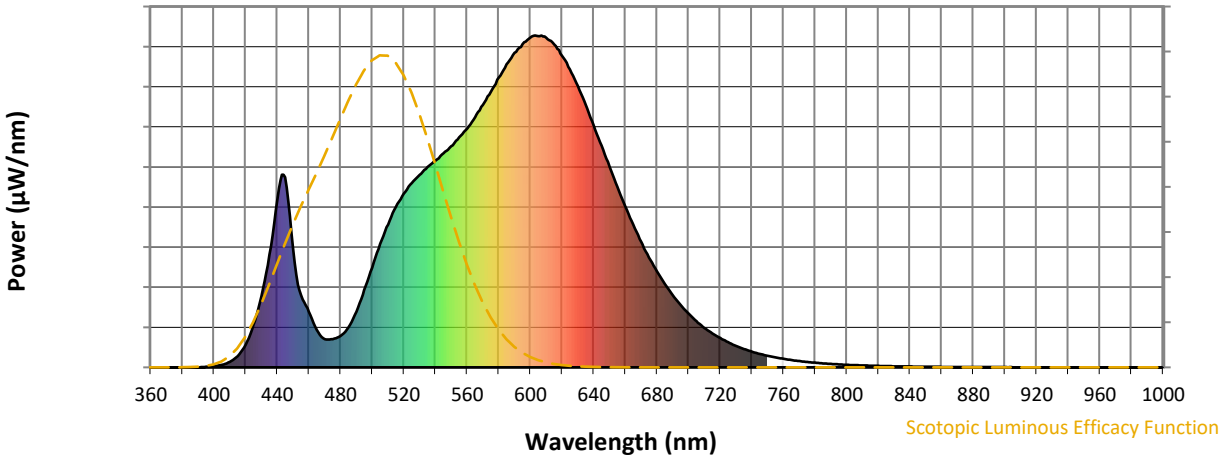
Scotopic Flux vs. Wavelength



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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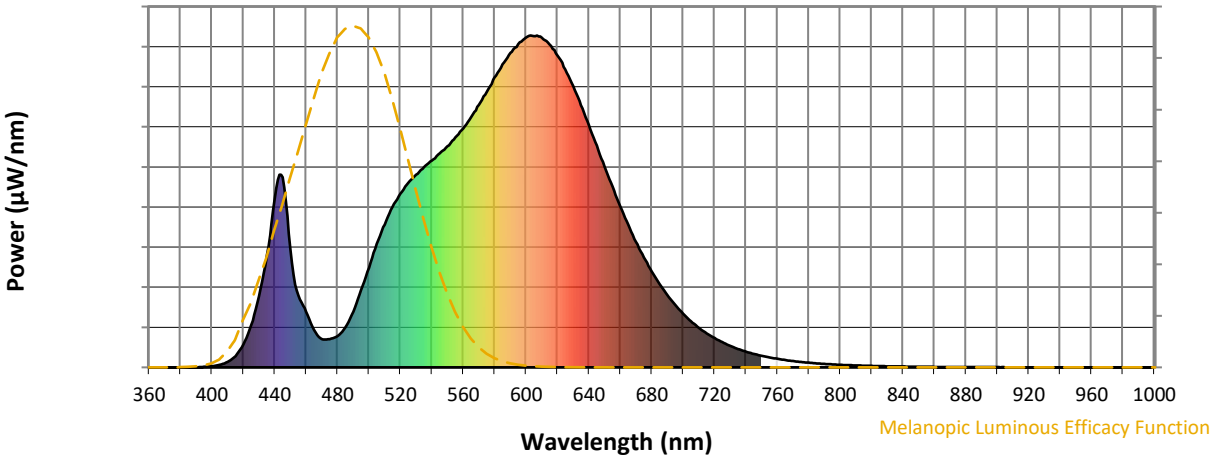
Melanopic Flux vs. Wavelength



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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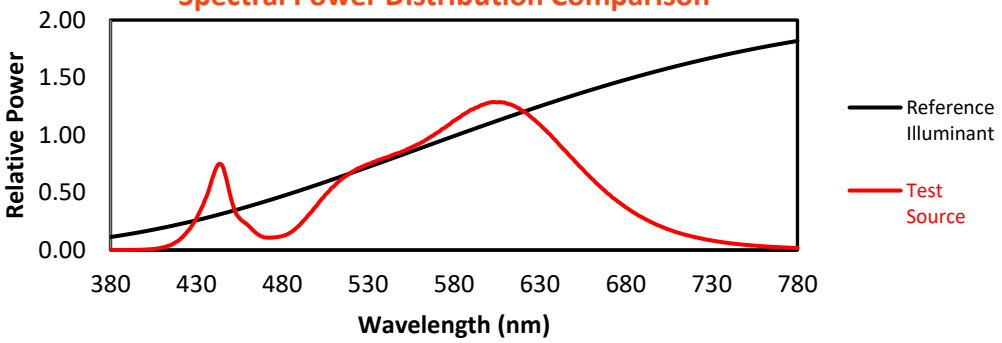
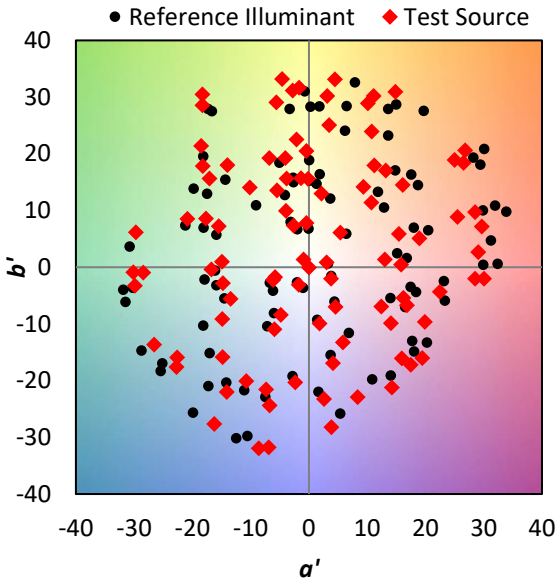
Summary

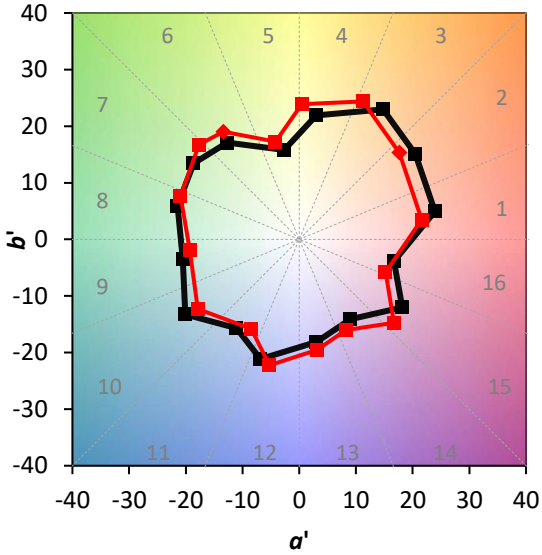
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

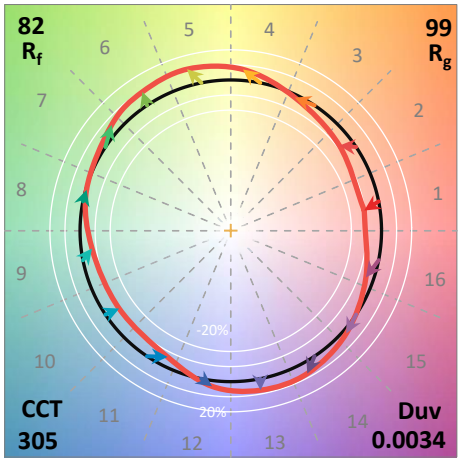
Spectral Power Distribution Comparison

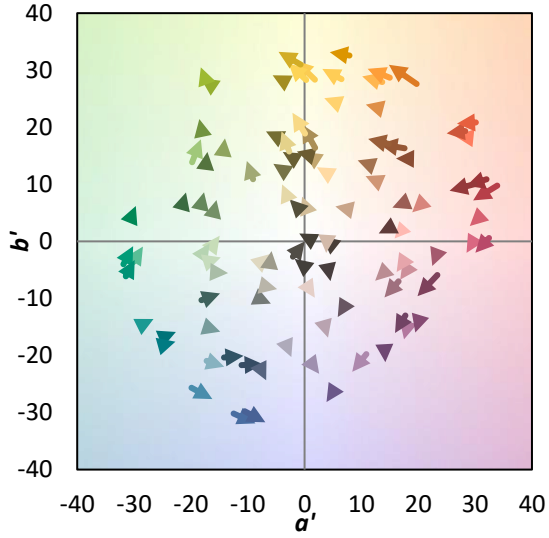


Color Vector Graphics









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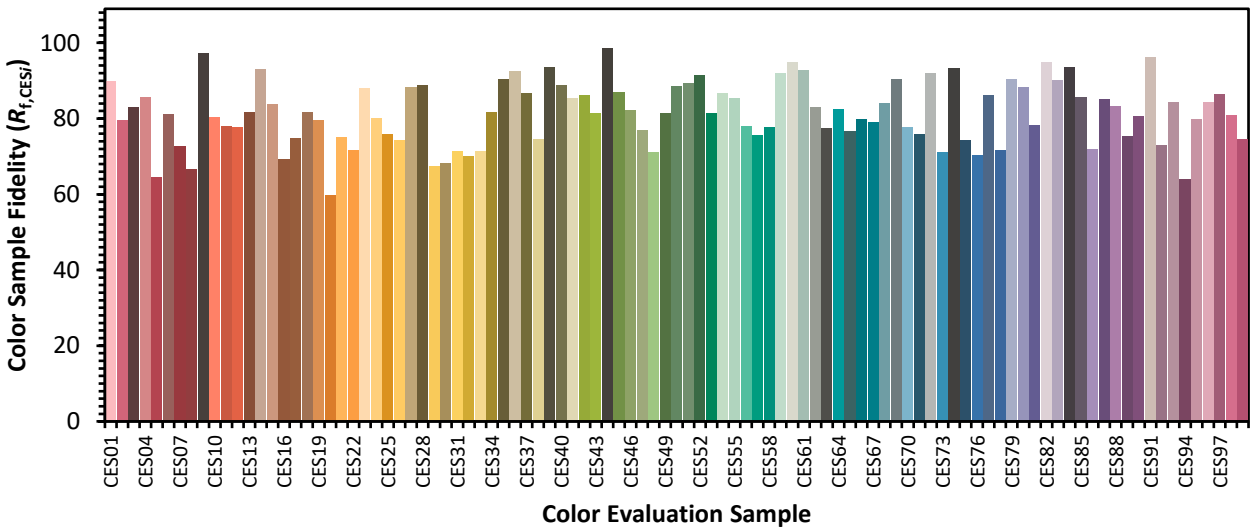
Individual Sample Fidelity Index ($R_{f,i}$)

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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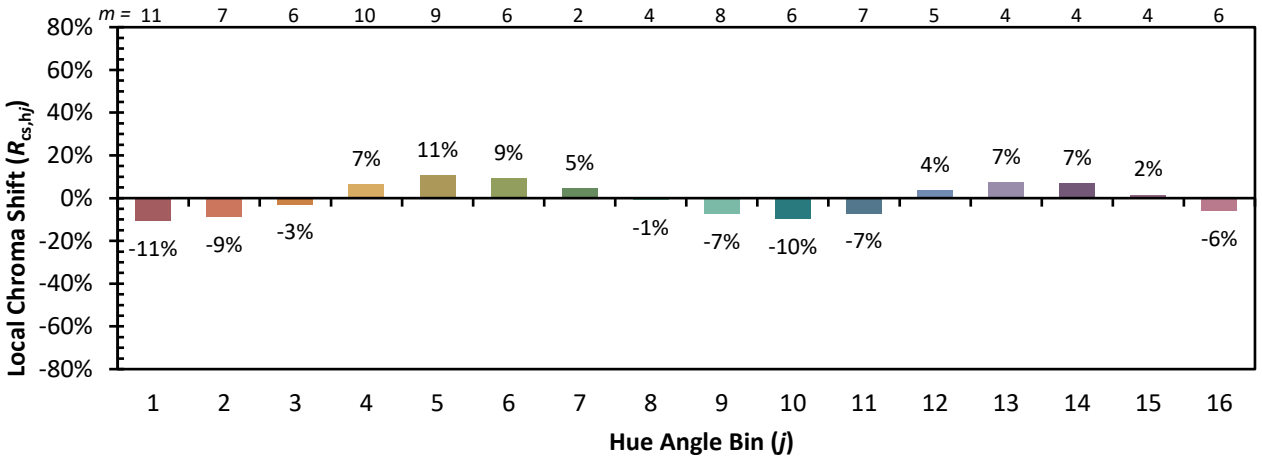
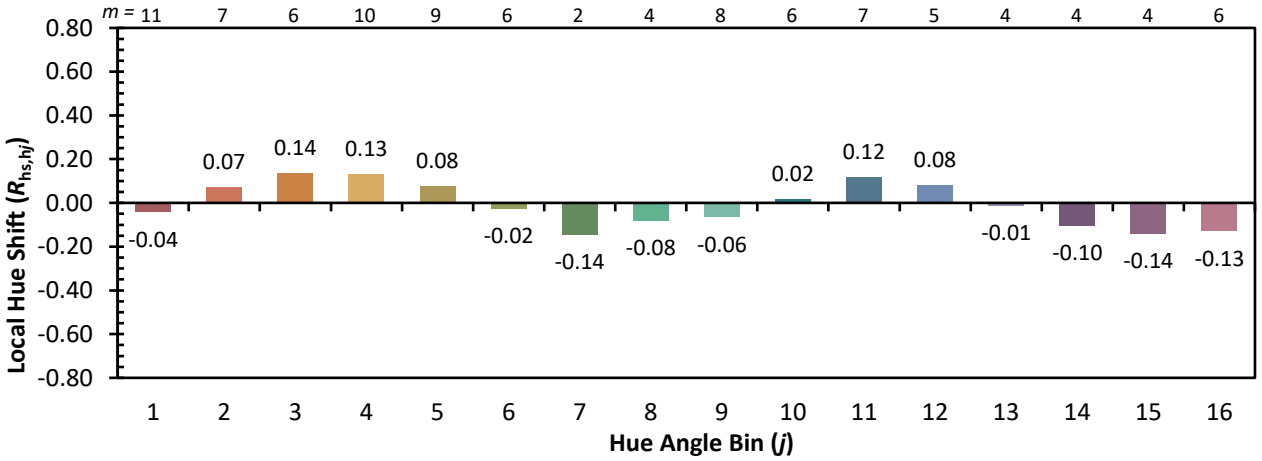
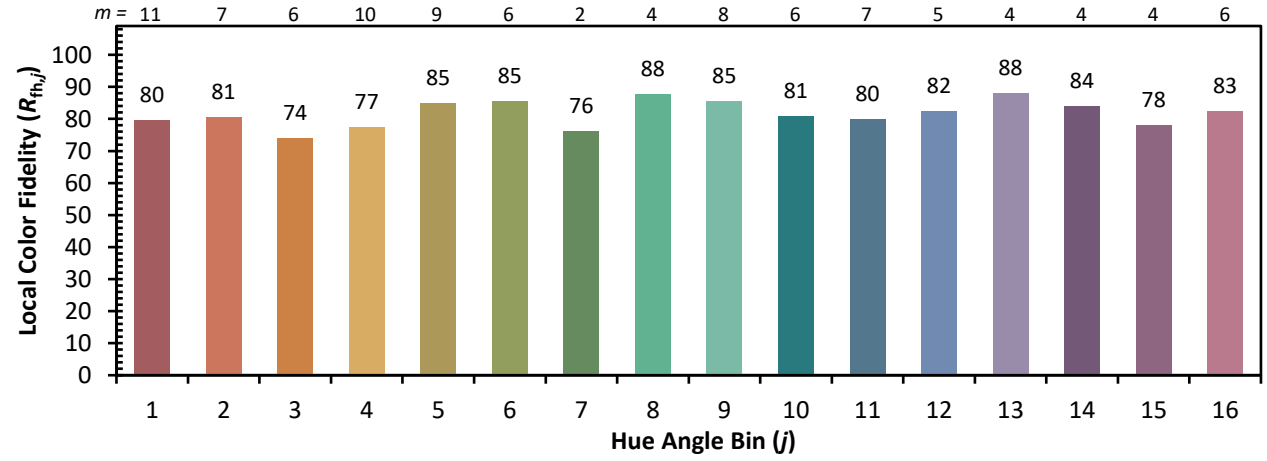
Color Rendition by Hue-Angle Bin







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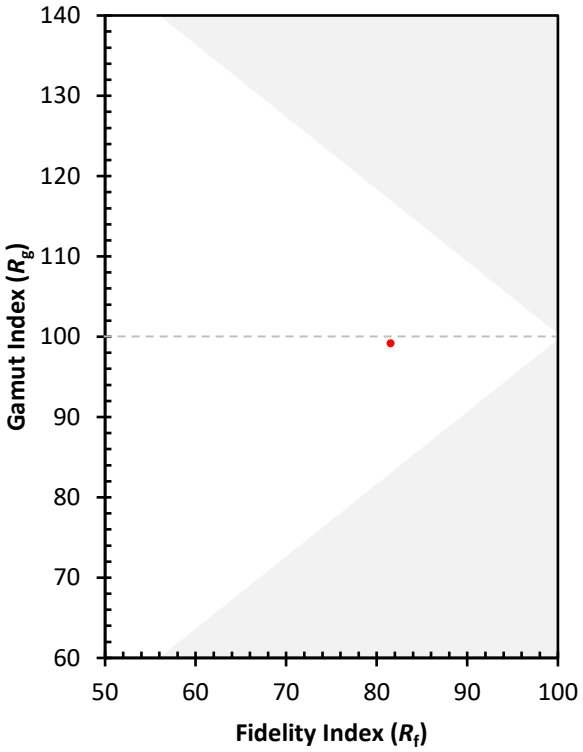
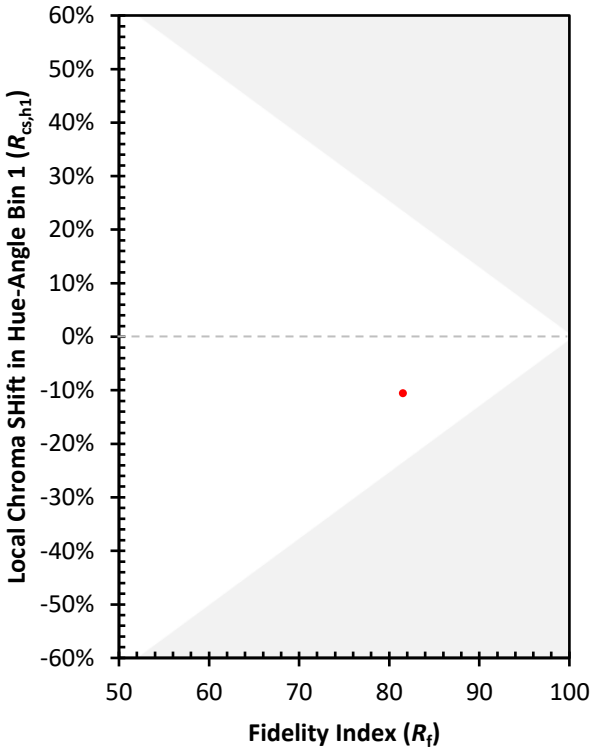
Measure Comparisons





(END OF REPORT)