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: P630056

Luminaire Tested: GWS-SA1C-830-U-SL2-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:	P630056
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA1C-830-U-SL2-W-HSS
Description:	GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	(16) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3026.8 lumens
Efficiency:	N/A
Efficacy:	88.8 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - 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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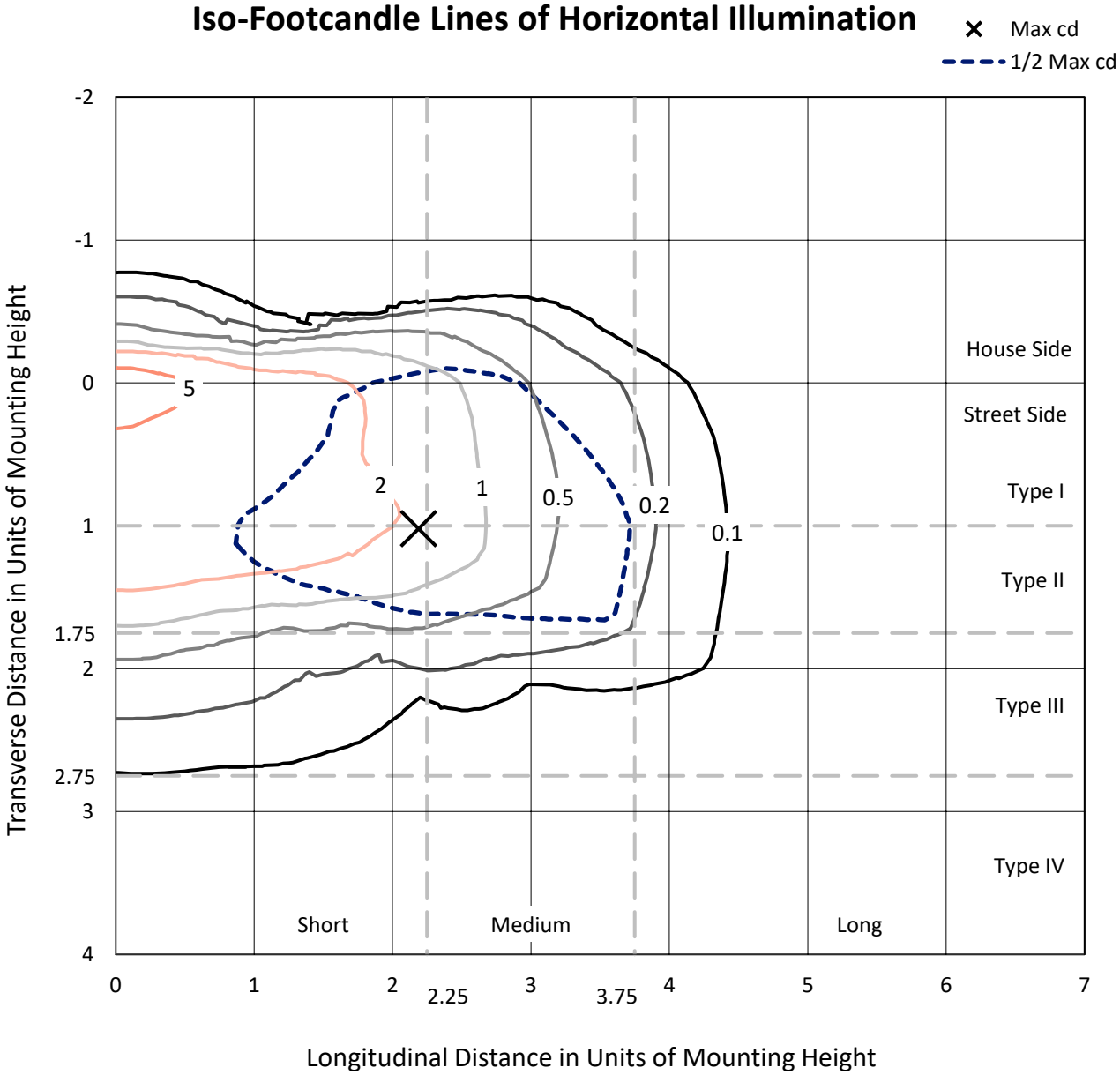
REPORT NUMBER: P630056
CATALOG NUMBER: GWS-SA1C-830-U-SL2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
Type II - Short - N/A

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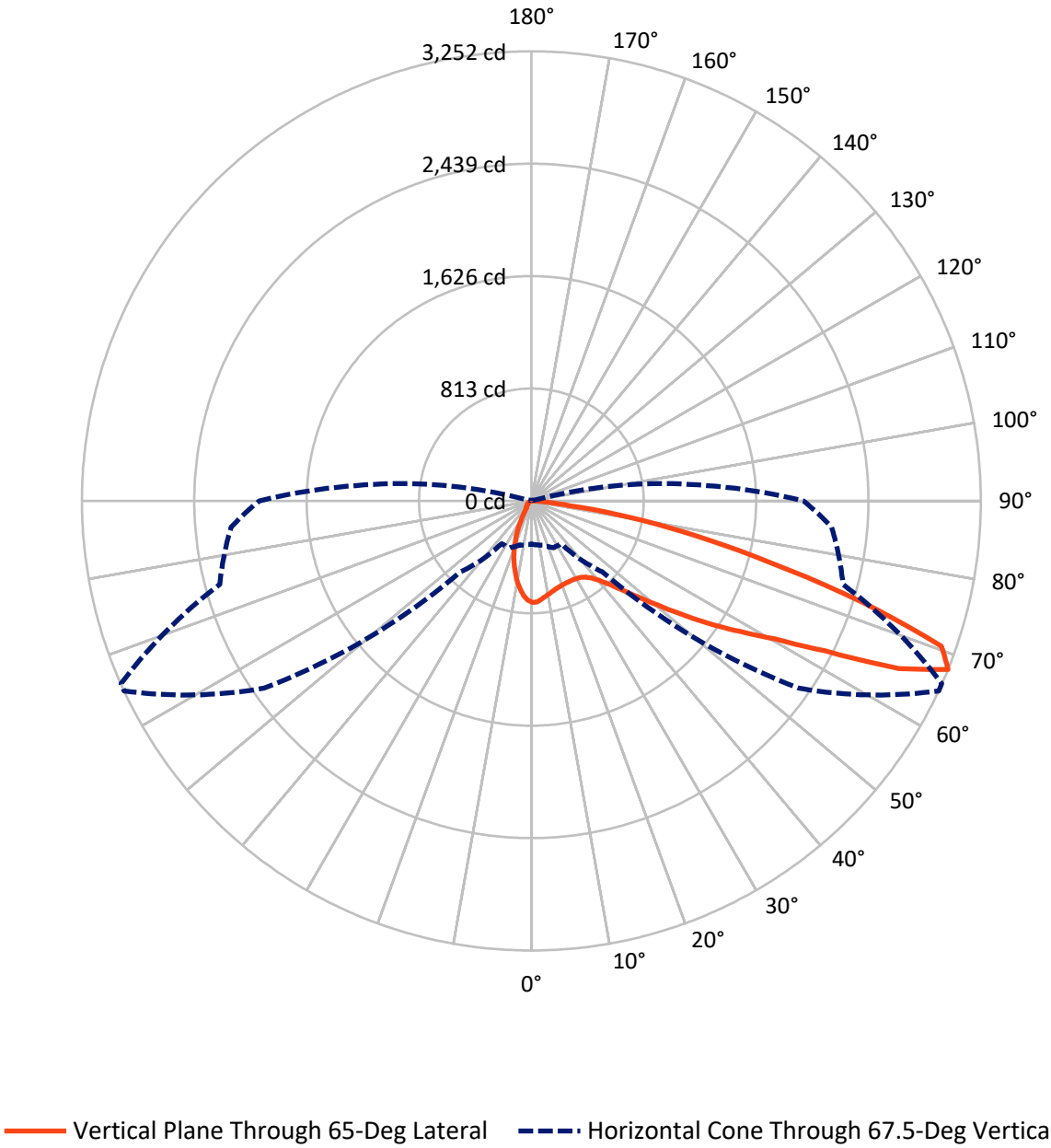
Luminous Intensity Polar Plot



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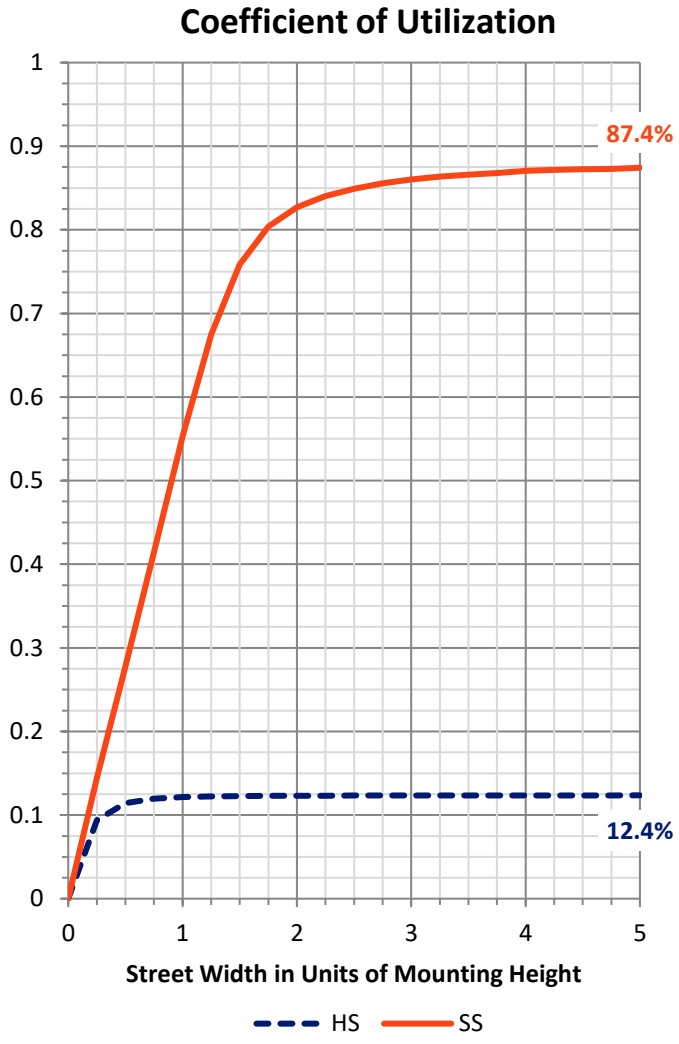
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	378.0	0.0	378.0
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	2648.8	0.0	2648.8
	% Fixture	87.5	0.0	87.5
Total	Lumens	3026.8	0.0	3026.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.0	2.0
10°-20°	137.1	4.5
20°-30°	195.8	6.5
30°-40°	284.9	9.4
40°-50°	446.3	14.7
50°-60°	696.2	23.0
60°-70°	764.7	25.3
70°-80°	407.0	13.4
80°-90°	33.9	1.1
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°	3026.8	100.0
0°-180°	3026.8	100.0



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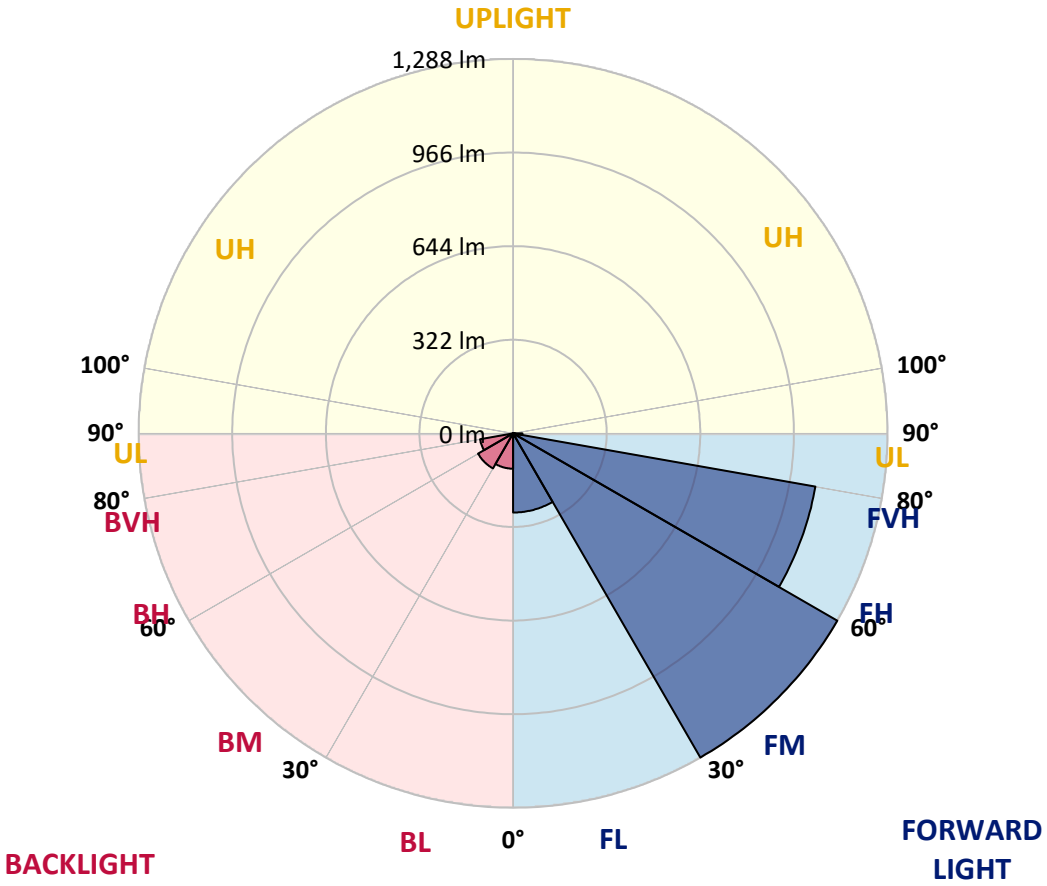
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	272.4	9.0			
FM	(30°-60°)	1288.1	42.6			
FH	(60°-80°)	1056.2	34.9			G1/1800
FVH	(80°-90°)	32.1	1.1			G1/100
BL	(0°-30°)	121.5	4.0	B1/500		
BM	(30°-60°)	139.2	4.6	B0/220		
BH	(60°-80°)	115.4	3.8	B1/500		G1/500
BVH	(80°-90°)	1.8	0.1			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 II Short



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REPORT NUMBER: P630056
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1
2.5°	708.6	710.8	707.8	715.2	716.6	724.8	729.4	732.7	732.5	736.6	736.6
5°	667.0	669.2	667.6	675.5	681.8	694.7	705.4	717.7	718.2	730.8	735.5
7.5°	631.7	632.0	632.0	641.9	650.1	665.9	681.8	700.7	702.9	722.3	734.6
10°	602.7	603.5	603.8	615.0	624.1	643.2	663.5	686.2	688.7	714.9	734.1
12.5°	582.7	583.0	584.1	595.9	605.7	625.7	646.2	672.2	675.5	706.4	731.6
15°	573.2	572.6	573.2	583.0	592.9	612.0	633.1	661.0	664.6	699.3	731.9
17.5°	572.6	571.8	571.2	578.6	584.9	601.9	623.2	653.6	657.5	696.0	734.9
20°	580.5	580.0	577.3	580.5	581.9	595.9	616.9	647.9	651.7	695.5	741.5
22.5°	601.3	600.0	595.9	592.9	585.5	593.7	612.6	643.8	648.1	696.9	750.0
25°	632.3	631.7	626.5	619.1	600.2	597.0	612.8	643.8	647.9	698.5	759.0
27.5°	678.8	675.5	669.0	656.1	629.0	609.8	618.3	645.4	649.5	700.7	766.4
30°	726.2	725.9	723.7	710.6	670.3	634.5	629.8	649.8	653.6	702.6	773.2
32.5°	775.2	776.0	781.4	771.3	727.3	671.1	650.6	658.8	661.6	706.4	779.3
35°	821.7	823.3	837.8	841.4	796.5	726.7	684.6	676.9	677.2	714.9	787.2
37.5°	866.3	871.8	895.0	912.3	882.7	794.0	733.5	707.5	705.4	731.9	799.2
40°	916.9	927.3	956.6	985.9	976.6	883.0	800.3	754.6	750.0	763.1	820.9
42.5°	973.0	984.3	1023.1	1064.2	1068.6	990.6	883.8	823.3	815.4	815.7	861.4
45°	1033.3	1048.3	1093.5	1152.6	1179.1	1110.4	986.7	916.1	908.2	896.4	926.5
47.5°	1112.4	1125.5	1169.0	1237.2	1288.1	1239.1	1121.7	1035.5	1020.9	1003.7	1027.8
50°	1180.5	1192.0	1229.5	1314.9	1420.8	1405.0	1274.7	1184.6	1170.7	1141.4	1161.4
52.5°	1195.6	1204.6	1239.1	1335.2	1522.4	1614.4	1462.2	1365.0	1355.1	1301.0	1308.6
55°	1128.0	1141.7	1172.6	1279.3	1548.9	1819.1	1705.5	1568.4	1547.8	1461.3	1475.0
57.5°	957.2	981.5	1010.5	1149.3	1476.9	1928.0	2045.4	1783.8	1765.2	1615.7	1616.0
60°	701.5	721.2	740.7	867.7	1306.2	1920.6	2353.9	2025.7	1991.8	1741.9	1737.2
62.5°	510.2	520.3	520.1	565.2	897.0	1794.2	2516.0	2390.3	2311.2	1876.8	1850.3
65°	401.3	401.0	412.8	427.5	500.9	1385.0	2535.9	2922.7	2837.3	2057.8	2002.5
67.5°	312.3	318.3	330.1	373.6	376.4	724.8	2360.2	3252.0	3250.3	2333.9	2180.7
70°	240.9	249.1	265.8	329.3	347.6	405.6	1766.0	3147.7	3174.2	2457.4	2054.5
72.5°	154.6	154.1	178.7	266.0	333.9	338.0	976.6	2500.4	2530.5	2225.8	1661.2
75°	86.5	87.0	101.0	162.9	311.2	318.1	483.6	1783.0	1806.8	1735.3	1276.3
77.5°	33.9	35.0	47.4	85.7	205.3	284.1	287.4	1215.8	1219.4	1075.4	782.8
80°	13.7	14.5	24.1	53.1	125.1	191.3	205.3	716.3	701.8	416.3	227.7
82.5°	4.1	4.4	9.6	30.1	65.4	136.0	138.5	274.8	259.5	89.5	58.0
85°	0.3	0.3	2.2	9.3	23.3	34.2	92.2	89.5	79.4	22.4	25.7
87.5°	0.0	0.0	0.3	0.3	0.5	1.1	9.9	16.4	16.7	4.1	11.5
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: P630056
CATALOG NUMBER: GWS-SA1C-830-U-SL2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1
2.5°	736.6	726.7	725.9	718.2	710.6	701.0	689.8	681.5	675.8	665.7	663.8
5°	735.5	722.3	710.0	688.1	663.8	637.5	614.5	593.1	579.7	570.7	566.9
7.5°	733.3	716.6	688.1	646.8	606.0	560.0	524.2	491.3	468.9	455.7	450.0
10°	731.6	709.2	662.9	600.2	537.0	473.5	419.1	370.3	343.2	321.9	318.3
12.5°	728.3	698.5	630.6	545.8	464.2	379.9	310.4	250.7	209.4	190.8	184.2
15°	725.1	687.3	598.3	488.3	384.8	280.8	196.5	139.0	110.6	101.8	101.3
17.5°	724.5	677.2	563.3	433.8	301.6	183.9	111.9	90.1	84.0	81.8	81.8
20°	726.2	668.7	528.8	371.2	219.8	111.9	83.5	78.0	74.4	72.5	72.5
22.5°	727.8	659.9	495.7	307.9	145.9	81.8	73.6	69.0	64.9	62.7	61.6
25°	728.9	650.3	459.0	244.4	95.3	71.2	64.6	58.6	53.6	50.9	50.9
27.5°	728.6	638.8	422.1	182.3	73.9	63.2	55.3	49.0	44.1	41.1	41.3
30°	726.4	626.3	383.7	127.3	64.6	55.3	47.4	40.8	35.9	33.4	33.1
32.5°	724.8	612.8	339.4	89.5	58.0	48.4	40.2	33.9	29.8	27.9	27.6
35°	722.9	599.7	297.3	68.2	52.3	41.9	33.9	28.7	25.5	23.8	23.8
37.5°	723.4	586.0	251.5	58.6	46.5	36.4	29.0	24.6	21.9	20.3	20.0
40°	731.9	577.8	206.7	53.1	41.3	31.5	25.2	21.3	18.6	17.0	16.7
42.5°	753.0	578.1	163.7	49.0	36.7	26.8	21.9	18.3	15.9	14.0	13.7
45°	795.1	589.6	125.6	44.6	31.8	23.3	18.9	15.6	13.1	11.5	11.2
47.5°	864.1	623.8	95.3	40.8	27.6	20.3	16.1	13.1	10.9	9.6	9.3
50°	973.9	685.6	75.0	36.1	23.3	17.5	13.7	10.9	9.0	7.7	7.4
52.5°	1105.8	778.4	64.3	32.0	20.0	15.3	11.8	9.0	7.4	6.3	6.0
55°	1257.4	889.3	59.4	27.9	17.0	13.1	9.6	7.4	6.0	5.2	4.7
57.5°	1396.5	989.2	59.1	23.8	14.5	11.2	7.9	6.3	5.2	4.1	3.8
60°	1532.0	1072.7	55.6	19.7	12.6	9.3	6.8	5.2	4.4	3.6	3.3
62.5°	1654.9	1140.6	46.5	15.9	10.7	7.7	5.7	4.7	3.8	3.0	3.0
65°	1809.2	1227.0	35.6	12.9	8.8	6.3	4.9	4.1	3.6	2.7	2.7
67.5°	*1968.8*	*1272.8*	*25.5*	*10.7*	*7.1*	*5.5*	*4.4*	*3.8*	*3.0*	*2.5*	*2.5*
70°	1783.2	1075.4	18.3	8.8	6.0	4.7	3.8	3.6	3.0	2.5	2.2
72.5°	1392.6	775.4	13.7	6.8	5.2	4.4	3.6	3.3	2.7	2.2	2.2
75°	1032.7	452.2	10.4	5.5	4.1	3.6	3.6	3.3	2.7	2.2	1.9
77.5°	561.4	157.7	7.9	4.4	3.3	2.7	3.0	3.0	2.5	1.9	1.6
80°	148.6	43.2	5.5	3.3	2.7	2.2	2.2	2.7	2.2	1.6	1.6
82.5°	43.2	12.6	3.8	2.7	2.2	1.9	1.9	1.9	1.6	1.4	1.1
85°	21.1	4.7	2.7	2.2	1.9	1.6	1.4	1.4	1.1	0.8	0.8
87.5°	9.3	1.9	2.2	1.9	1.9	1.4	1.1	0.8	0.8	0.5	0.3
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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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

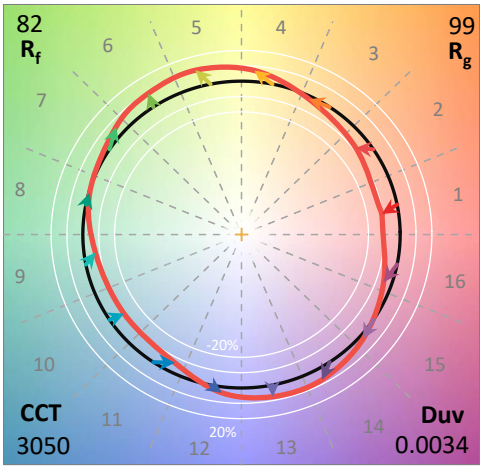
Test Information

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

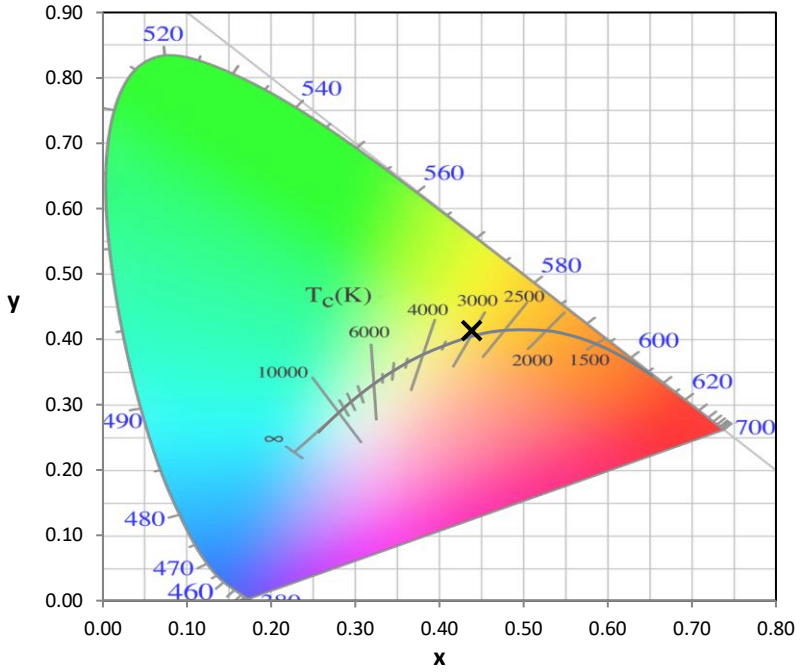
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

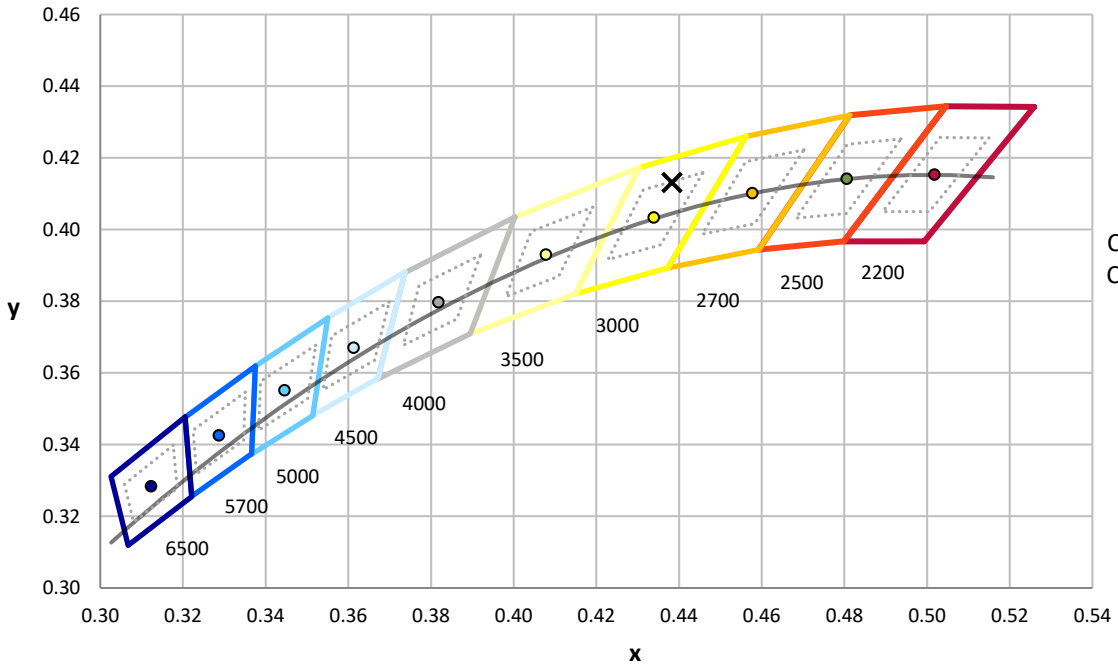
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

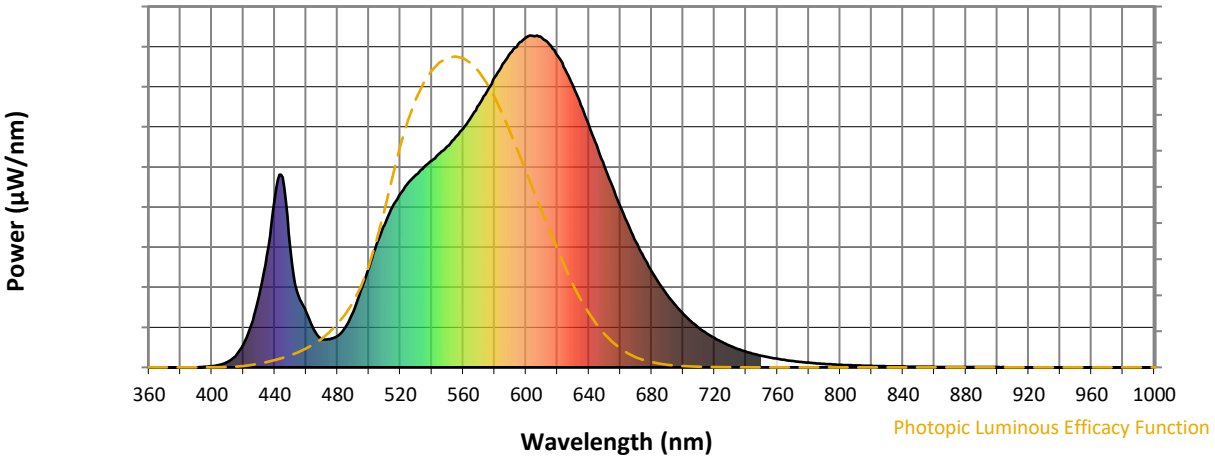


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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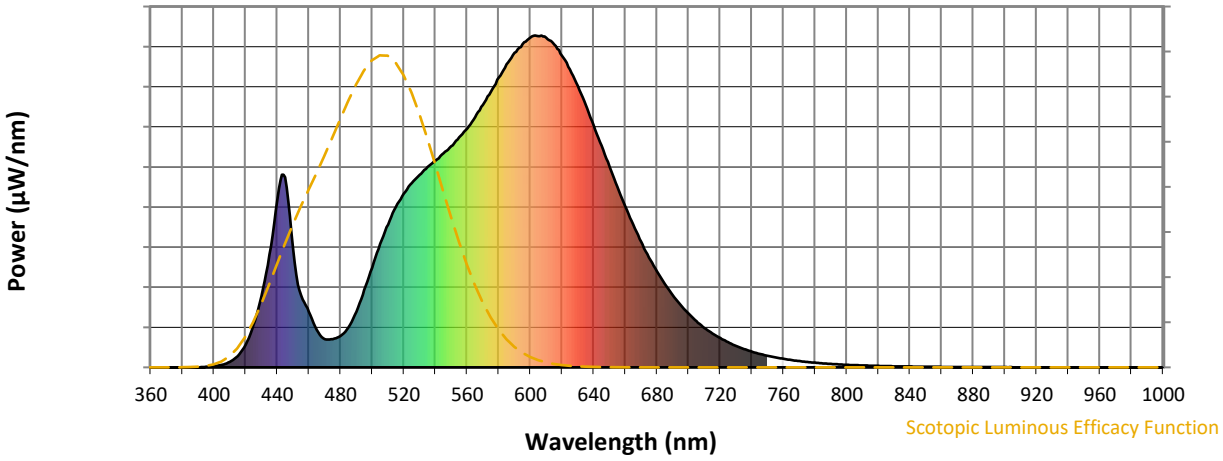
Scotopic Flux vs. Wavelength



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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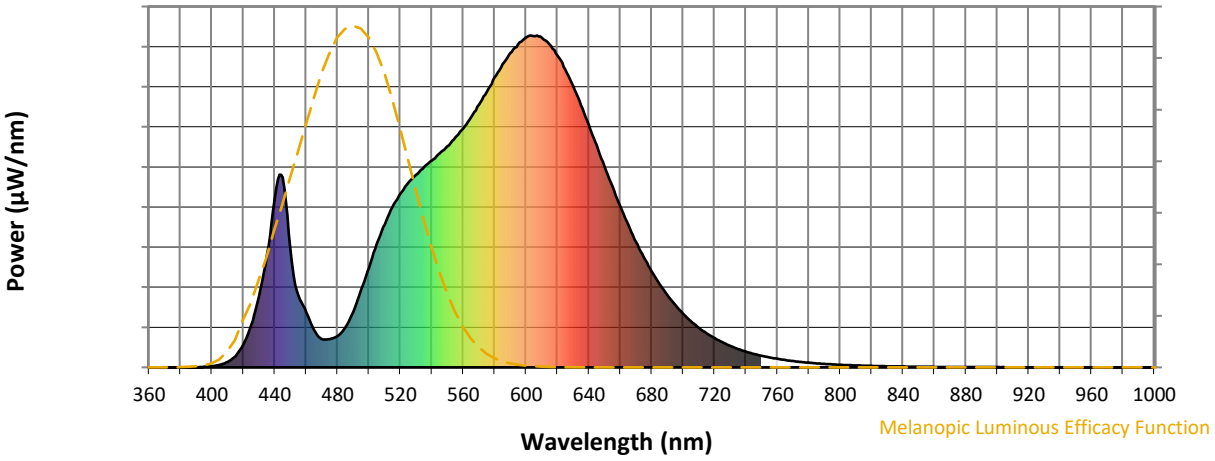
Melanopic Flux vs. Wavelength



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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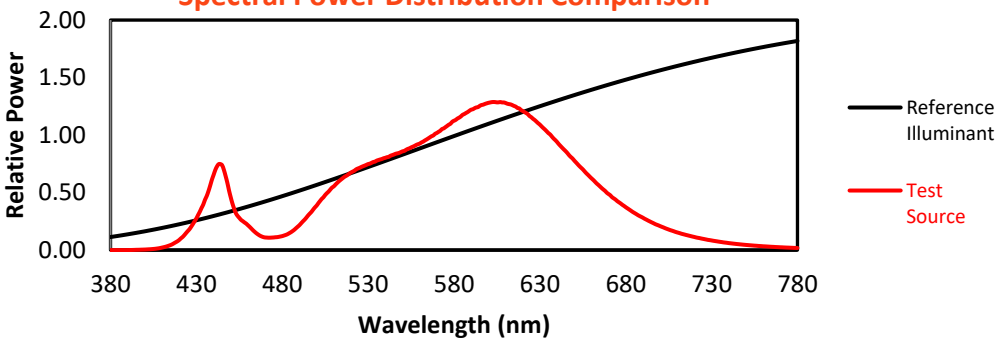
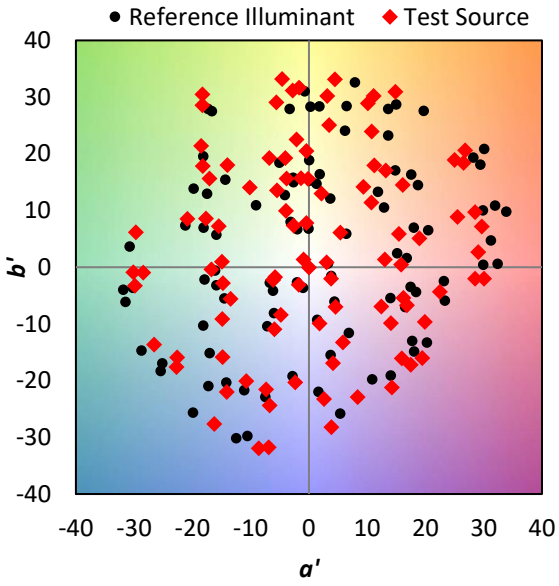
Summary

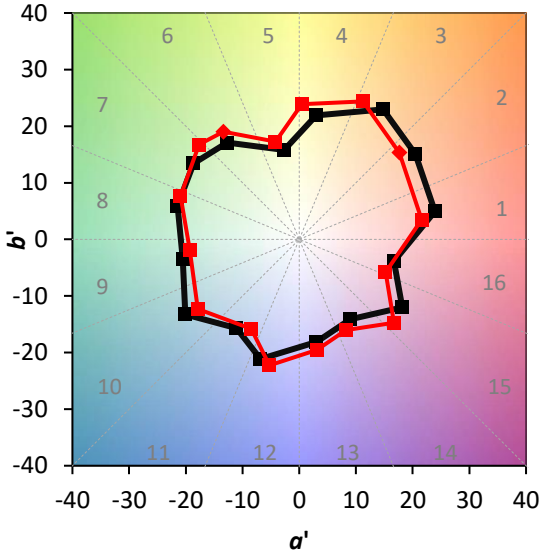
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

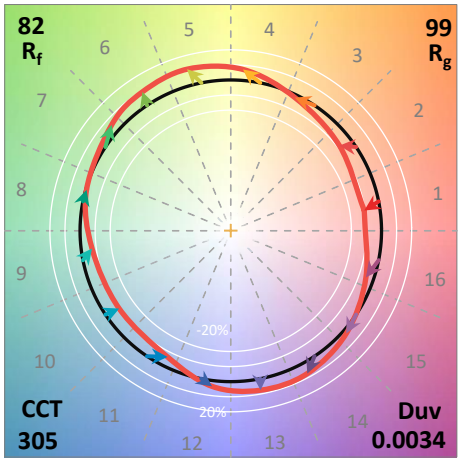
Spectral Power Distribution Comparison

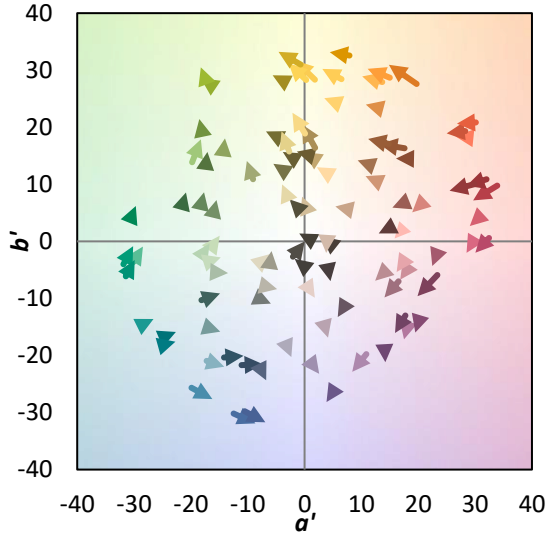


Color Vector Graphics









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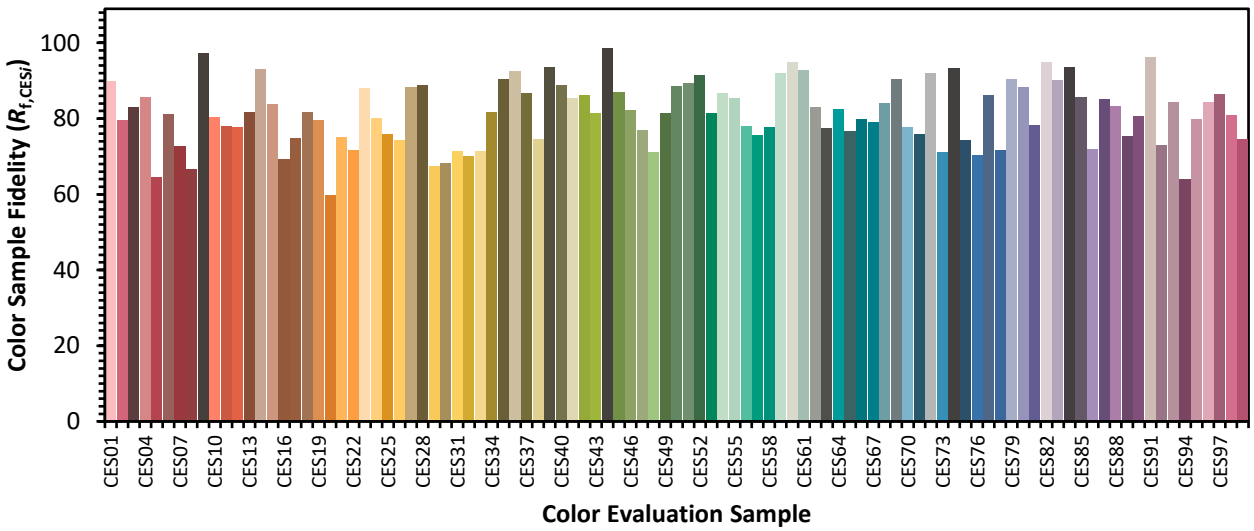
Individual Sample Fidelity Index ($R_{f,i}$)

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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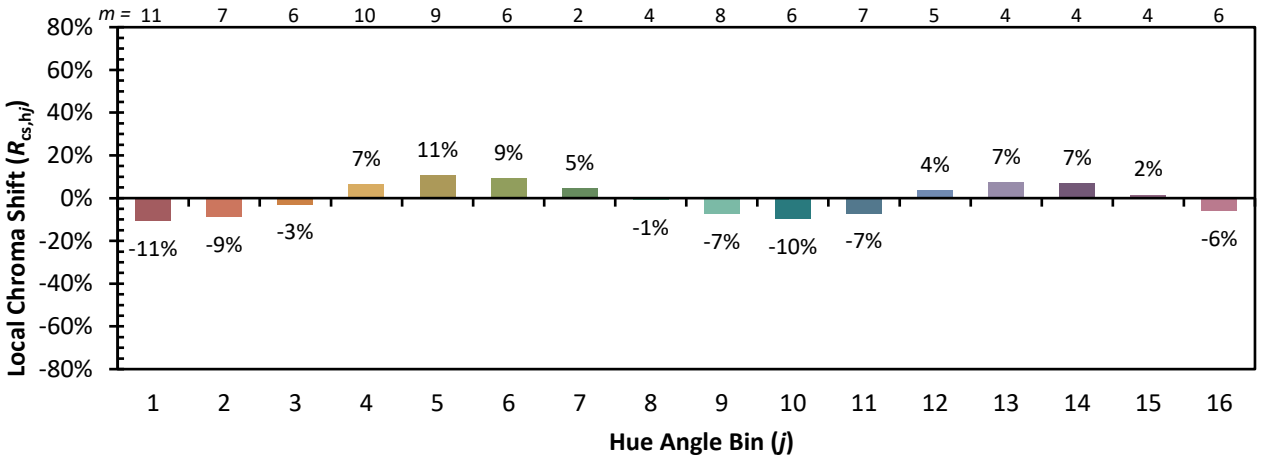
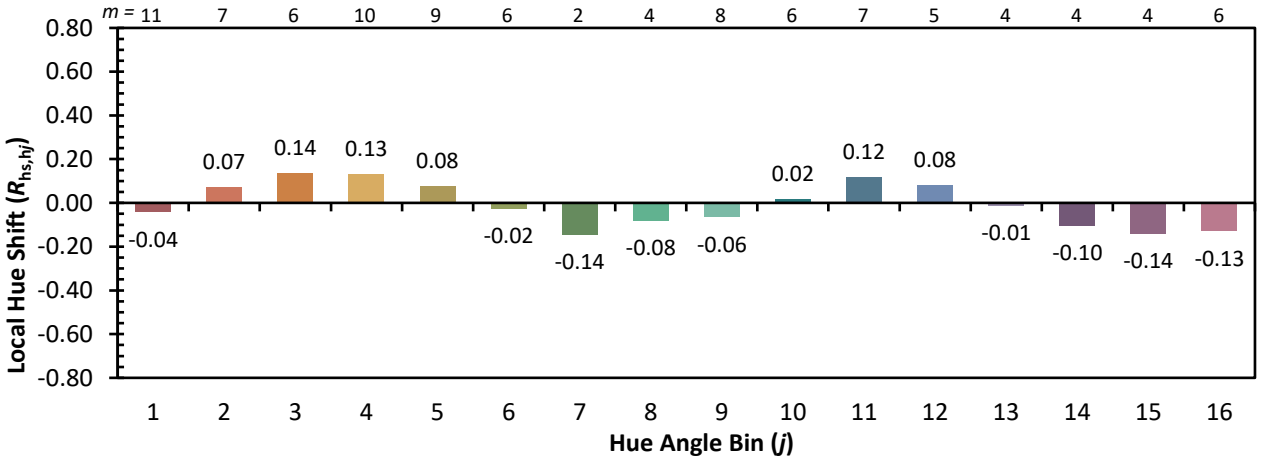
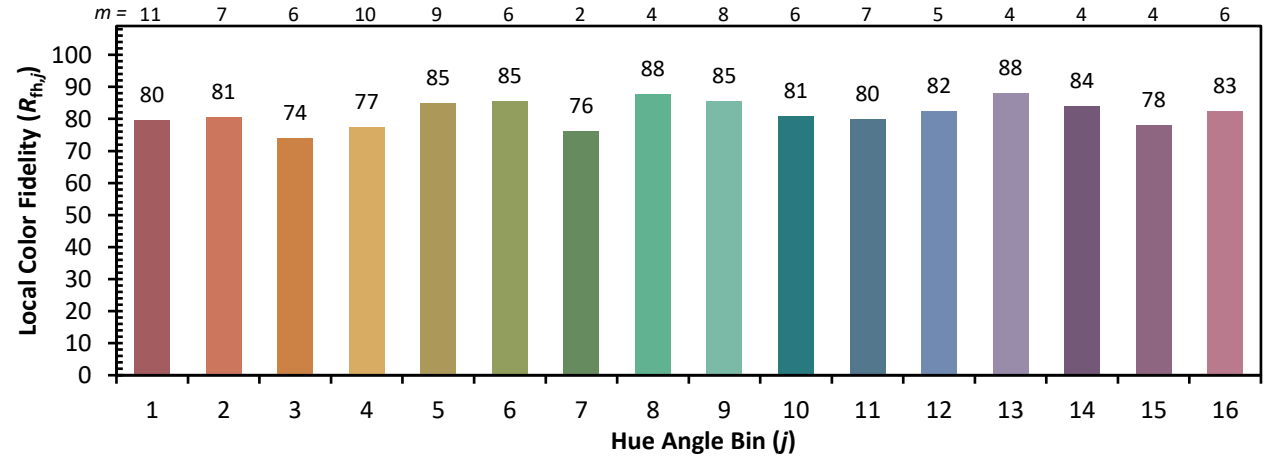
Color Rendition by Hue-Angle Bin







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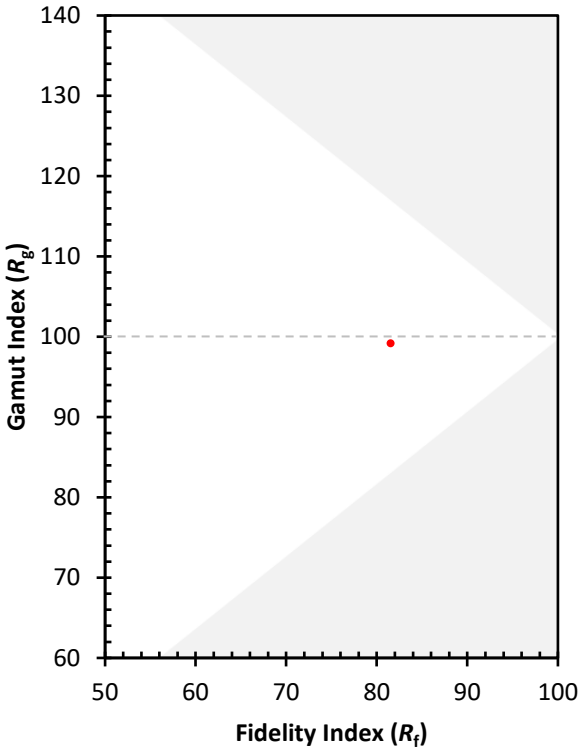
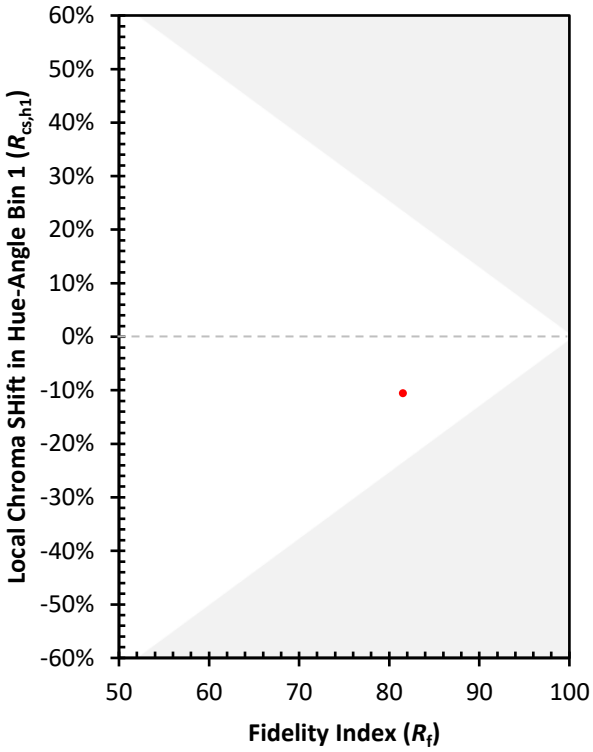
Measure Comparisons





(END OF REPORT)