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: P630072

Luminaire Tested: GWS-SA1C-830-U-T1-W

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:	P630072
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA1C-830-U-T1-W
Description:	GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source:	(16) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3811.3 lumens
Efficiency:	N/A
Efficacy:	111.8 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type I - Medium
BUG Rating:	B2 - U0 - G2

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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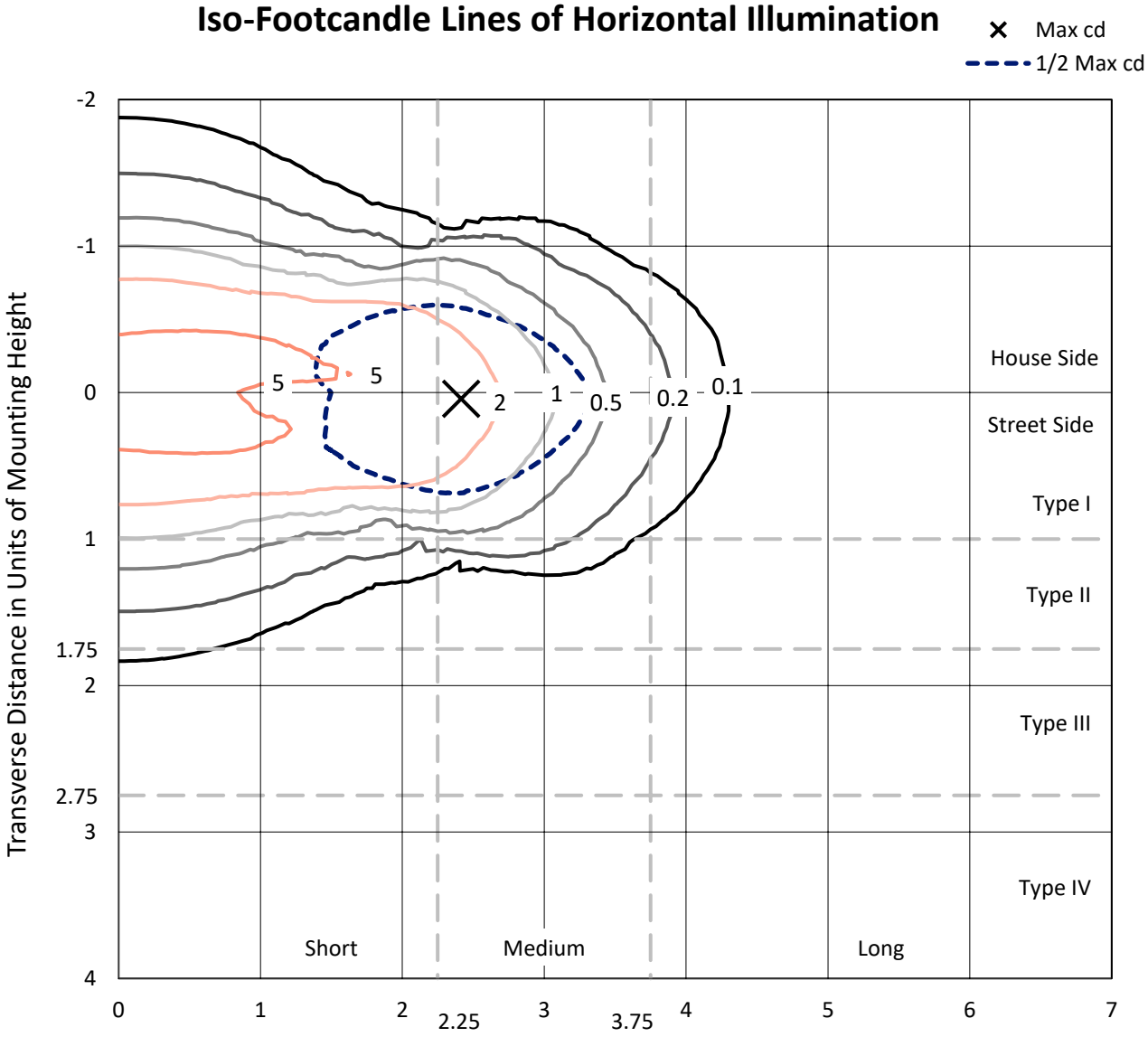
REPORT NUMBER: P630072
CATALOG NUMBER: GWS-SA1C-830-U-T1-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 7 fc
Type I - Medium - N/A

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REPORT NUMBER: P630072
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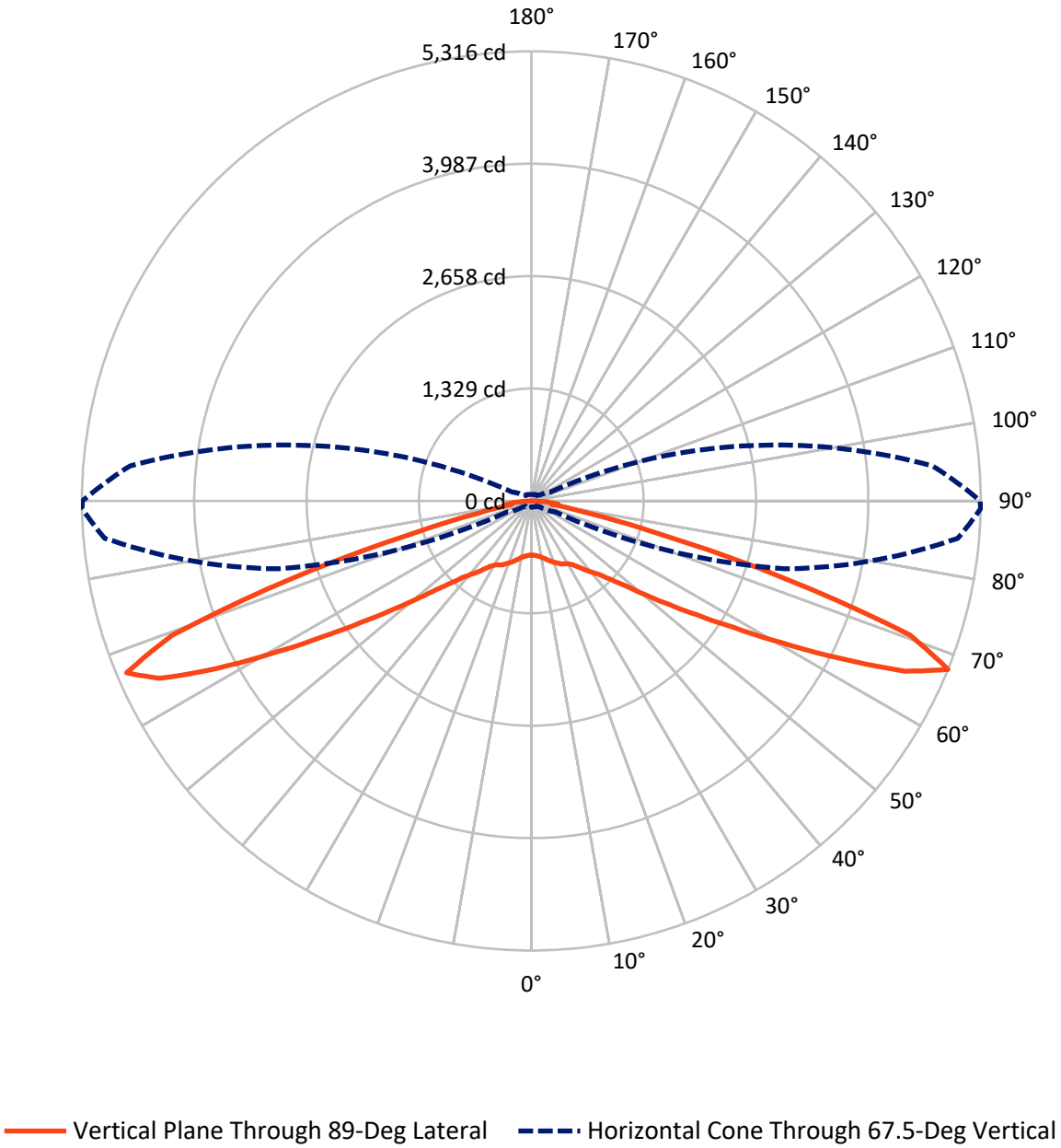
Luminous Intensity Polar Plot



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REPORT NUMBER: P630072
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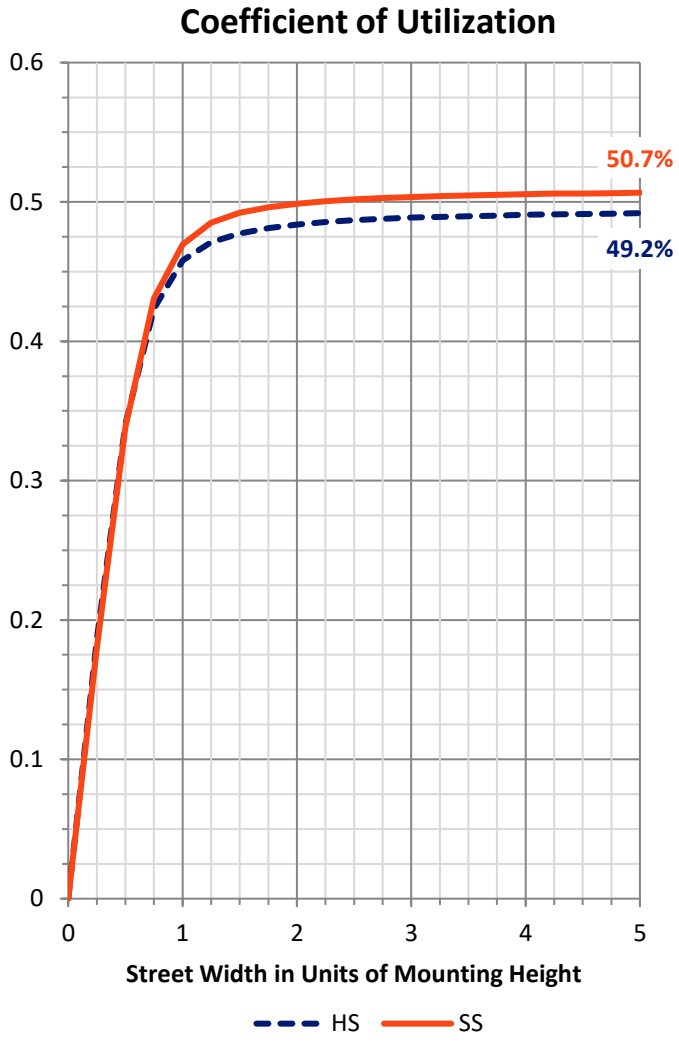
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1888.9	0.0	1888.9
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	1922.4	0.0	1922.4
	% Fixture	50.4	0.0	50.4
Total	Lumens	3811.3	0.0	3811.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.2	1.7
10°-20°	208.9	5.5
20°-30°	353.2	9.3
30°-40°	484.7	12.7
40°-50°	618.1	16.2
50°-60°	775.5	20.3
60°-70°	935.3	24.5
70°-80°	338.4	8.9
80°-90°	32.9	0.9
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°	3811.3	100.0
0°-180°	3811.3	100.0



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REPORT NUMBER: P630072
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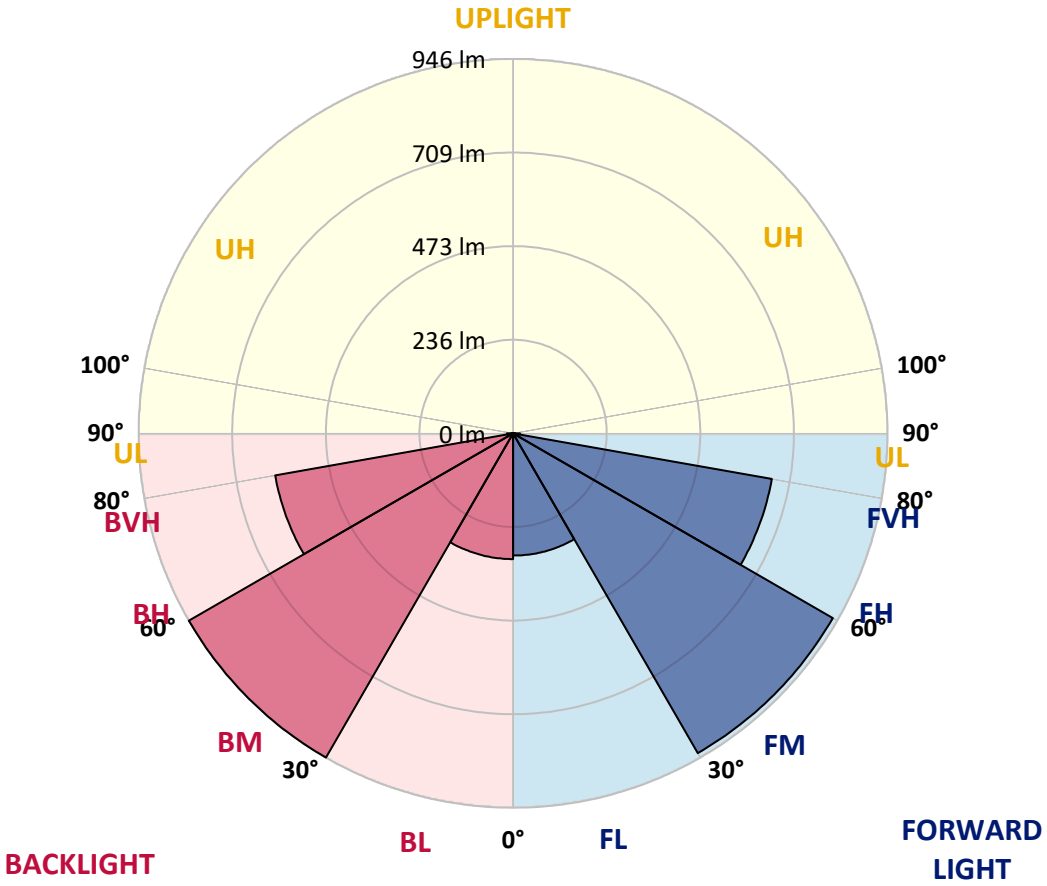
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	308.7	8.1			
FM	(30°-60°)	932.7	24.5			
FH	(60°-80°)	663.6	17.4			G1/1800
FVH	(80°-90°)	17.4	0.5			G1/100
BL	(0°-30°)	317.6	8.3	B1/500		
BM	(30°-60°)	945.7	24.8	B1/1000		
BH	(60°-80°)	610.1	16.0	B2/1000		G2/1000
BVH	(80°-90°)	15.5	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type I Medium



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Scaled Data Report

REPORT NUMBER: P630072
CATALOG NUMBER: GWS-SA1C-830-U-T1-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	639.7	639.7	639.7	639.7	639.7	639.7	639.7	639.7	639.7	639.7	*639.7*
2.5°	641.6	641.1	639.7	643.8	643.0	643.3	644.9	643.8	641.9	638.6	*643.3*
5°	659.7	659.4	656.4	658.9	656.1	654.2	653.9	651.2	649.0	645.4	*650.4*
7.5°	677.2	676.9	674.5	678.8	676.6	674.5	672.0	666.5	661.3	656.1	*661.6*
10°	690.6	690.3	689.8	696.1	696.6	697.5	696.4	687.1	678.0	671.7	*677.2*
12.5°	698.3	699.1	700.5	712.0	717.7	723.2	724.6	716.9	701.8	692.8	*699.4*
15°	693.1	694.7	701.6	722.4	738.2	750.6	755.8	749.5	730.0	715.0	*722.4*
17.5°	668.2	669.5	682.9	714.7	749.7	778.2	786.7	782.9	761.2	742.9	*750.0*
20°	633.7	636.7	651.2	695.5	747.8	797.4	820.1	818.7	795.2	767.0	*775.5*
22.5°	602.5	606.0	621.4	670.4	735.0	802.3	853.7	857.3	826.1	791.1	*797.9*
25°	567.4	570.7	590.4	640.5	712.8	798.5	882.5	898.6	861.1	818.7	*825.0*
27.5°	531.6	534.0	553.5	606.8	683.8	791.3	905.2	944.1	895.6	837.9	*842.3*
30°	500.1	503.4	521.2	573.2	652.0	777.1	923.8	992.5	935.3	859.5	*863.1*
32.5°	469.7	472.4	491.9	540.1	618.3	755.2	940.5	1049.5	994.2	899.7	*899.7*
35°	431.4	436.3	458.2	508.3	586.6	726.2	952.6	1115.7	1074.6	959.1	*959.4*
37.5°	396.1	398.8	421.8	472.4	553.2	693.3	953.7	1184.4	1176.5	1034.7	*1035.2*
40°	355.8	359.4	384.0	434.1	514.9	658.9	943.3	1248.5	1283.2	1112.4	*1109.4*
42.5°	315.1	320.3	343.8	392.8	473.5	616.7	915.6	1309.5	1418.7	1202.5	*1195.1*
45°	275.6	278.9	302.5	348.7	426.2	566.3	871.3	1368.1	1579.7	1339.3	*1328.7*
47.5°	231.3	232.7	257.0	301.4	377.2	510.2	807.8	1420.4	1756.5	1520.5	*1502.2*
50°	191.9	193.8	213.0	251.0	317.2	443.7	728.7	1451.0	1981.8	1767.7	*1736.0*
52.5°	155.2	157.1	172.4	202.8	262.2	367.9	630.7	1443.9	2210.3	2074.6	*2028.3*
55°	125.4	126.7	137.1	161.0	206.4	292.6	514.9	1380.1	2464.1	2475.3	*2375.7*
57.5°	105.9	106.5	113.6	128.1	161.2	225.5	397.4	1229.6	2730.1	2986.6	*2822.9*
60°	94.7	95.0	98.3	107.3	127.3	172.2	291.2	989.8	3005.8	3626.3	*3401.9*
62.5°	87.6	87.6	90.3	95.5	105.7	132.5	214.1	710.9	3203.7	4322.4	*4099.3*
65°	80.7	80.7	82.7	87.0	92.5	108.1	160.7	458.5	3300.9	4904.3	*4854.8*
67.5°	*72.0*	*72.3*	*73.6*	*78.3*	*83.2*	*90.3*	*121.8*	*310.1*	*3099.1*	*5065.3*	*5316.0*
70°	63.8	64.1	66.0	69.0	73.1	78.0	95.3	213.8	2255.8	4218.7	*4753.2*
72.5°	54.7	55.8	57.2	60.5	63.0	66.5	77.7	138.5	1312.5	2713.7	*3142.1*
75°	44.9	46.3	47.9	51.2	52.8	54.2	64.1	98.8	631.5	1375.2	*1566.0*
77.5°	34.8	36.1	38.0	41.1	42.2	43.8	49.0	71.4	302.5	609.6	*657.2*
80°	23.3	23.8	25.5	29.0	30.9	32.0	36.1	48.7	131.4	244.7	*242.5*
82.5°	14.2	14.5	15.1	17.2	18.1	19.2	23.5	29.8	62.7	278.1	*318.9*
85°	5.2	4.9	4.7	6.0	7.1	8.2	10.9	15.1	27.4	191.1	*213.8*
87.5°	0.0	0.0	0.0	0.3	0.5	0.5	1.1	2.2	6.6	71.4	*49.0*
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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Scaled Data Report

REPORT NUMBER: P630072
CATALOG NUMBER: GWS-SA1C-830-U-T1-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	639.7	639.7	639.7	639.7	639.7	639.7	639.7	639.7	639.7	639.7	639.7
2.5°	641.9	638.9	642.7	645.4	651.5	653.7	654.2	652.3	652.3	649.0	649.6
5°	649.3	647.4	653.7	658.3	667.1	670.4	672.5	671.2	672.0	669.8	670.4
7.5°	660.5	658.9	669.8	678.8	687.9	691.7	693.6	692.5	692.8	690.1	690.9
10°	676.1	676.6	689.8	701.6	713.6	717.4	718.3	715.0	712.2	707.3	707.6
12.5°	697.5	700.2	718.8	731.9	744.3	749.7	743.7	731.7	720.4	712.0	710.9
15°	720.7	725.6	752.5	769.2	782.6	779.8	762.1	735.0	712.8	700.2	697.7
17.5°	748.6	756.0	789.7	809.7	821.2	803.7	766.4	725.9	695.0	678.0	674.7
20°	774.9	786.7	829.1	855.1	856.5	817.1	764.5	707.6	668.7	647.9	643.5
22.5°	799.0	814.1	870.4	903.6	885.8	823.1	752.7	681.6	637.0	612.6	608.8
25°	825.3	846.6	918.6	949.6	915.1	820.6	728.1	649.3	598.6	573.7	571.0
27.5°	843.3	870.2	967.1	996.6	939.2	806.7	696.4	614.0	563.6	540.1	536.2
30°	864.2	898.4	1020.4	1047.8	953.9	786.1	662.4	581.1	531.0	505.6	502.8
32.5°	901.9	944.9	1086.7	1102.0	958.6	760.7	629.8	549.4	497.1	471.6	467.8
35°	962.7	1013.1	1179.8	1162.5	955.0	732.8	598.9	512.1	462.3	438.5	434.7
37.5°	1039.3	1102.0	1283.5	1217.0	945.2	702.1	562.2	480.9	431.1	407.0	404.8
40°	1110.8	1188.0	1399.8	1264.1	925.2	664.3	526.9	448.4	397.4	372.0	367.1
42.5°	1200.3	1302.9	1534.5	1304.8	892.3	619.2	487.2	408.1	355.3	332.3	326.3
45°	1336.3	1463.9	1691.1	1344.0	843.3	563.6	437.4	359.1	309.0	285.5	280.8
47.5°	1506.0	1665.1	1860.8	1367.3	768.9	505.0	381.0	307.4	257.3	230.8	228.6
50°	1744.5	1957.7	2042.8	1363.2	685.7	435.5	317.5	245.8	203.9	184.8	181.8
52.5°	2034.9	2325.0	2239.6	1313.9	597.3	356.4	247.4	193.0	161.8	148.1	145.6
55°	2399.2	2764.9	2446.8	1208.2	485.6	272.9	194.3	152.2	130.8	122.6	121.5
57.5°	2850.3	3334.5	2646.4	1030.3	365.1	208.3	149.7	125.6	115.5	110.6	110.3
60°	3445.7	3939.2	2819.6	800.6	261.4	159.3	123.7	112.2	104.3	101.0	100.7
62.5°	4153.5	4488.3	2927.5	545.3	196.5	127.0	108.9	101.8	97.2	95.3	95.0
65°	4881.1	4835.4	2876.0	357.2	149.2	107.8	97.7	93.9	89.8	87.9	87.9
67.5°	*5310.8*	*4762.0*	*2481.0*	*248.0*	*118.2*	*94.7*	*88.1*	*84.6*	*77.7*	*76.1*	*76.1*
70°	4704.0	3858.7	1626.2	181.5	95.8	82.9	76.6	71.7	69.0	67.3	67.1
72.5°	3111.2	2510.9	864.7	125.9	79.9	70.6	64.9	63.0	59.7	58.0	57.8
75°	1548.5	1318.8	443.2	90.9	66.5	56.7	54.2	53.4	50.6	48.4	47.9
77.5°	645.4	587.1	206.7	66.0	50.6	45.7	43.5	43.5	40.5	38.0	37.0
80°	243.3	216.8	97.7	45.2	37.5	33.9	32.6	31.5	29.0	26.0	24.4
82.5°	325.5	212.7	47.9	28.2	24.6	21.9	20.0	19.2	17.8	16.4	15.3
85°	210.8	151.1	21.6	14.5	12.3	9.3	8.2	7.7	6.8	6.0	5.5
87.5°	43.0	50.6	6.6	2.7	1.6	0.8	0.8	0.3	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

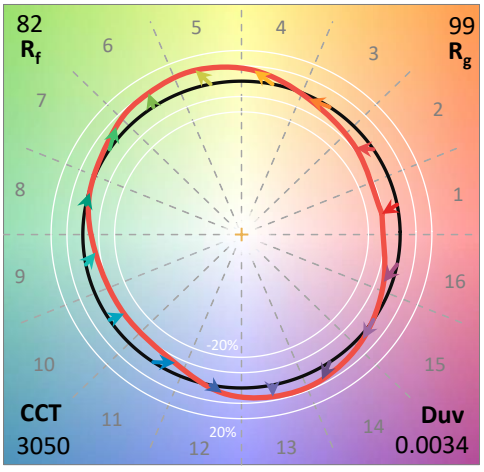
Test Information

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

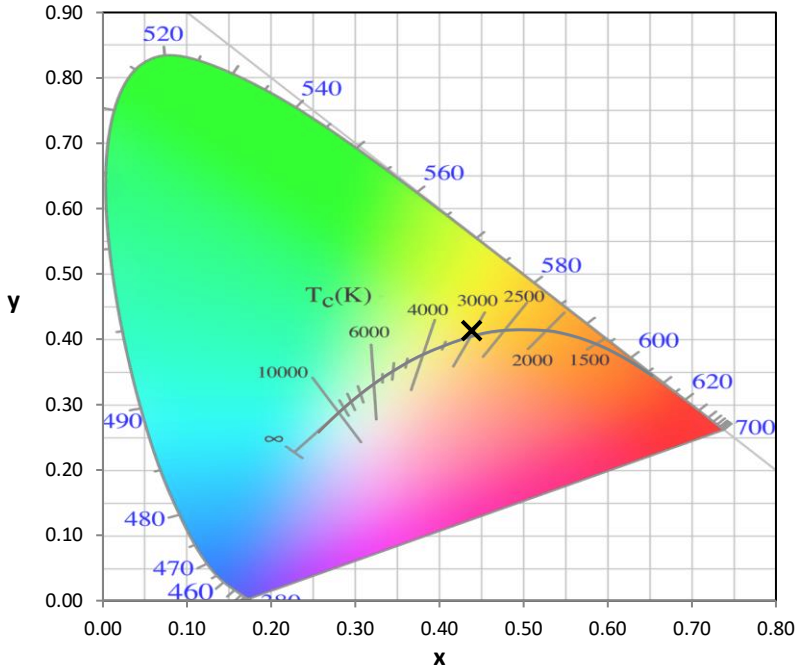
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

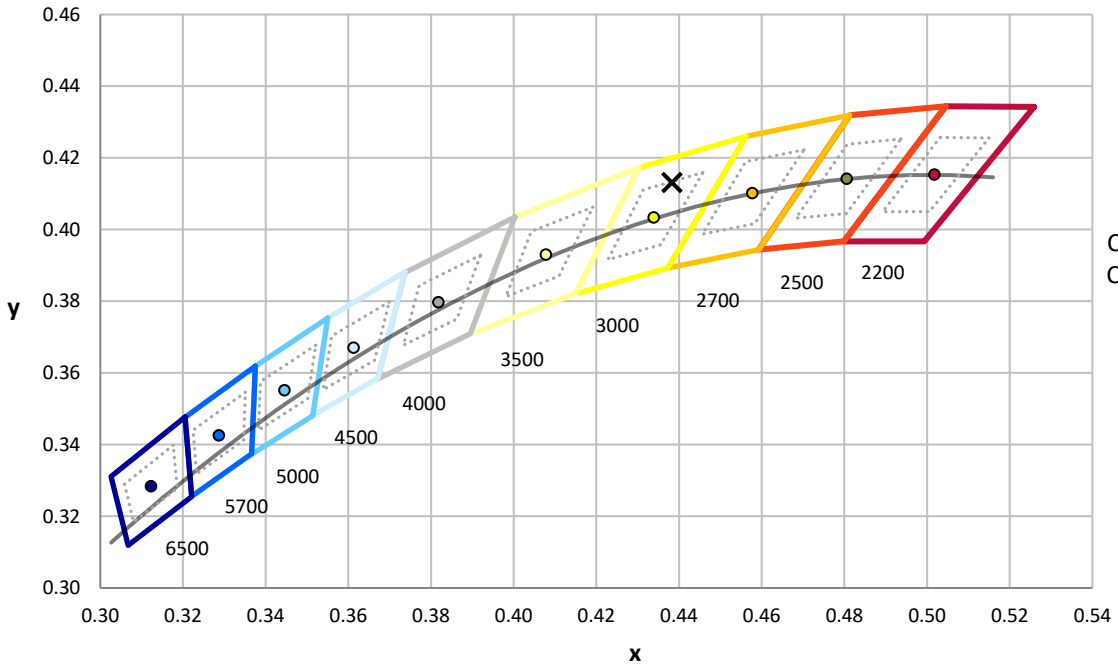
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

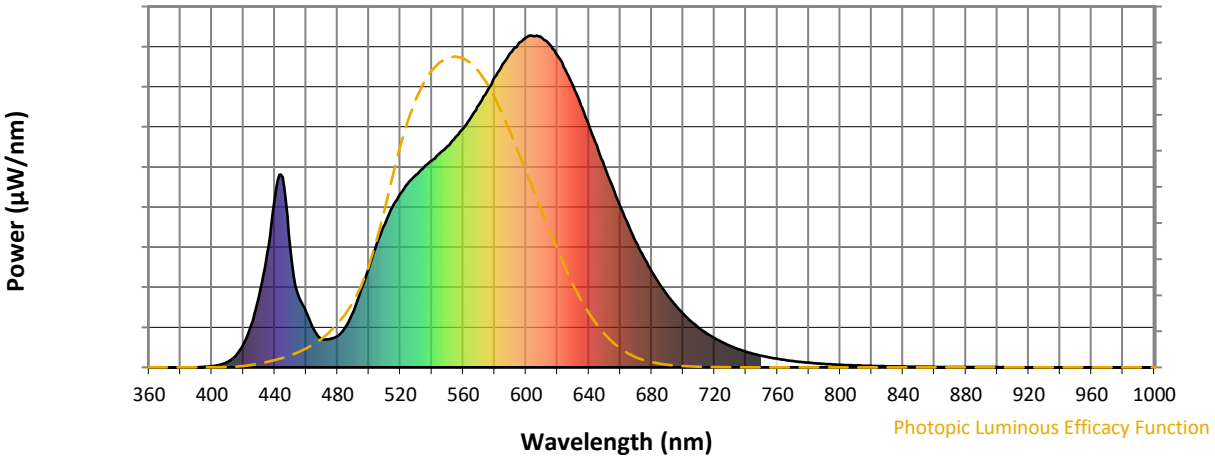


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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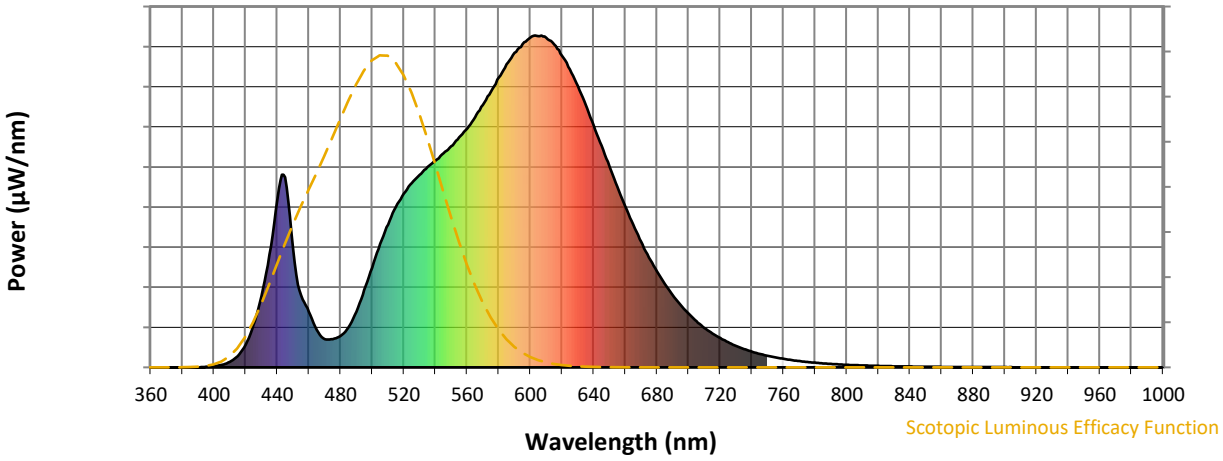
Scotopic Flux vs. Wavelength



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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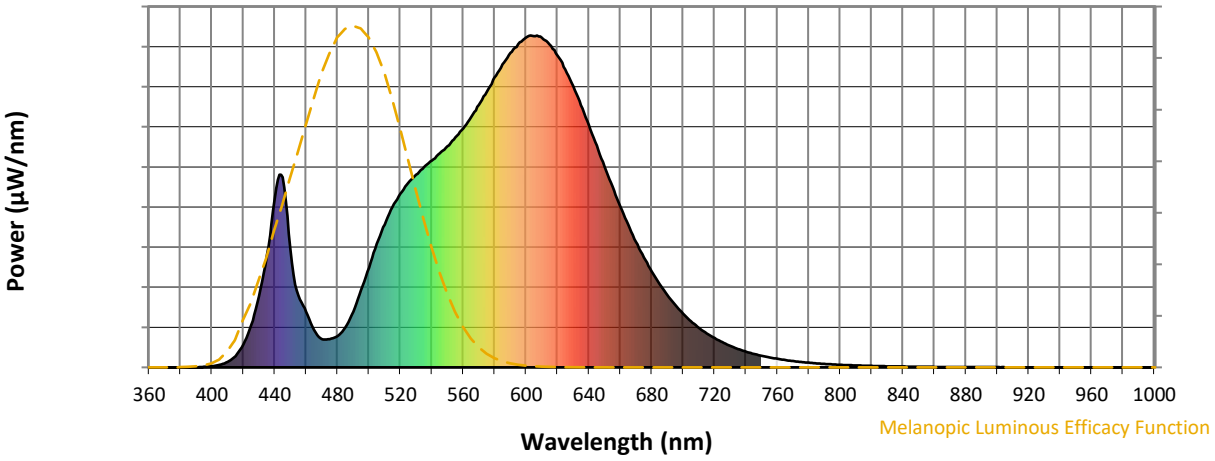
Melanopic Flux vs. Wavelength



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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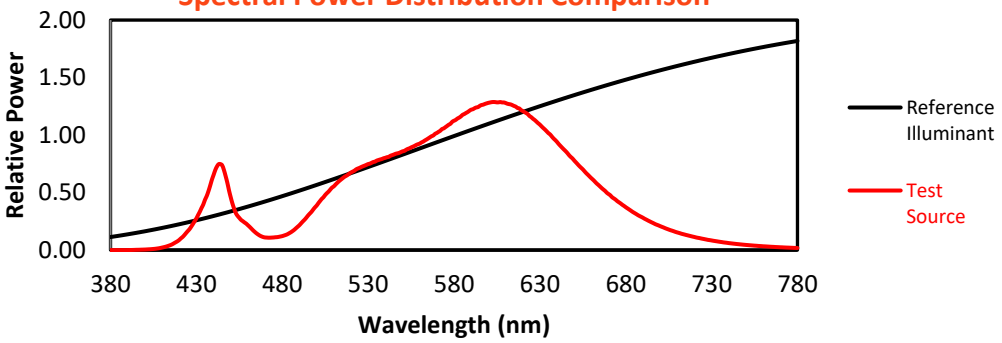
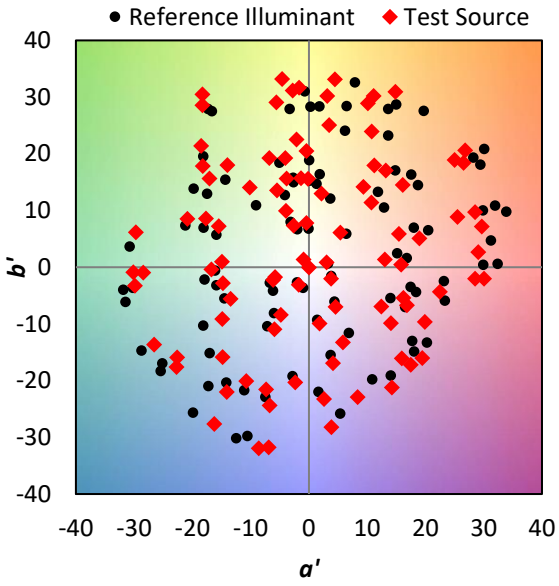
Summary

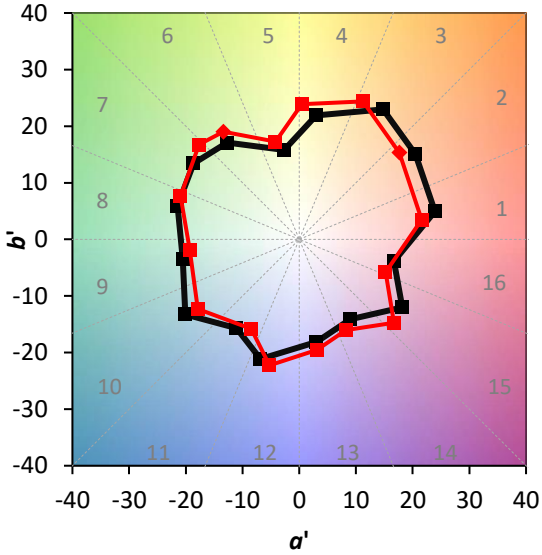
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

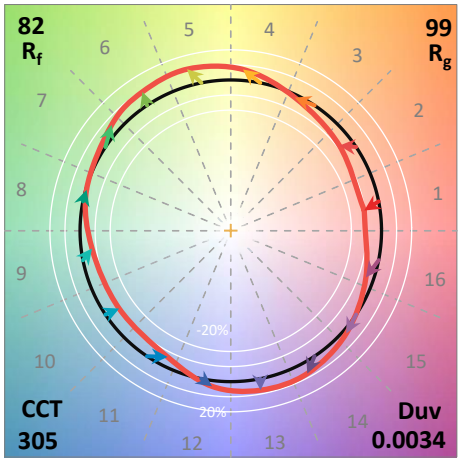
Spectral Power Distribution Comparison

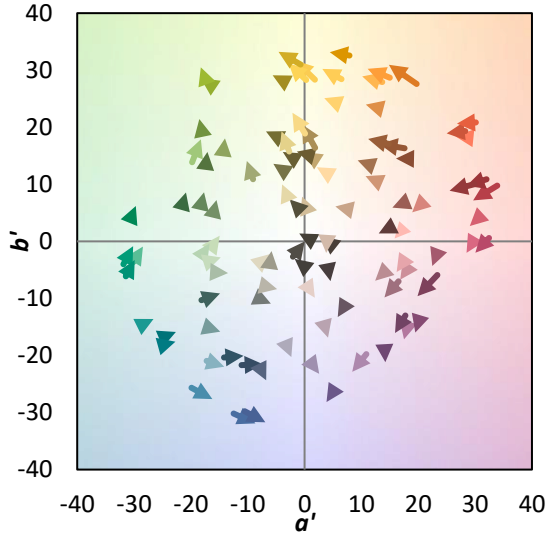


Color Vector Graphics









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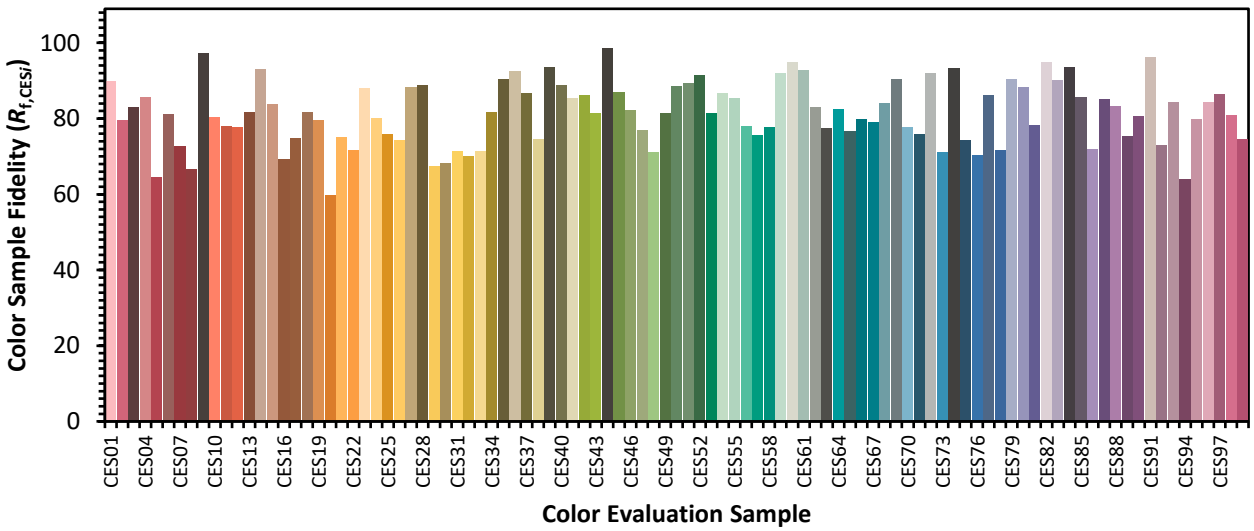
Individual Sample Fidelity Index ($R_{f,i}$)

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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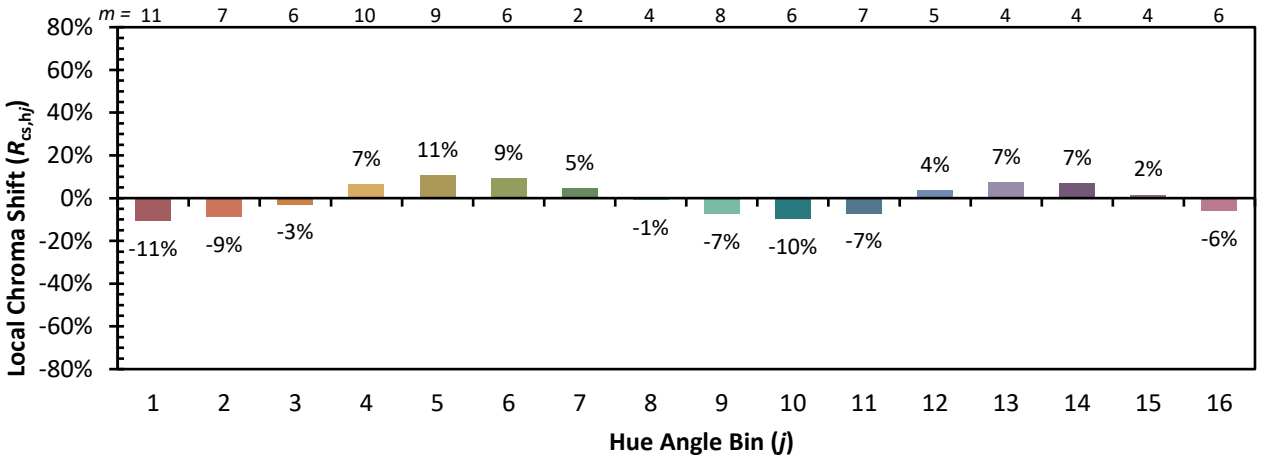
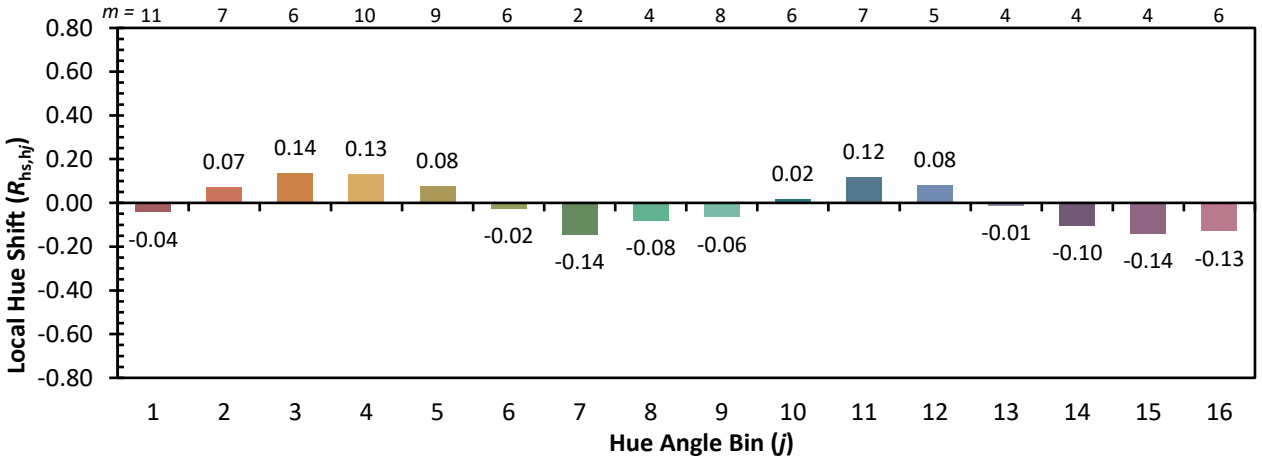
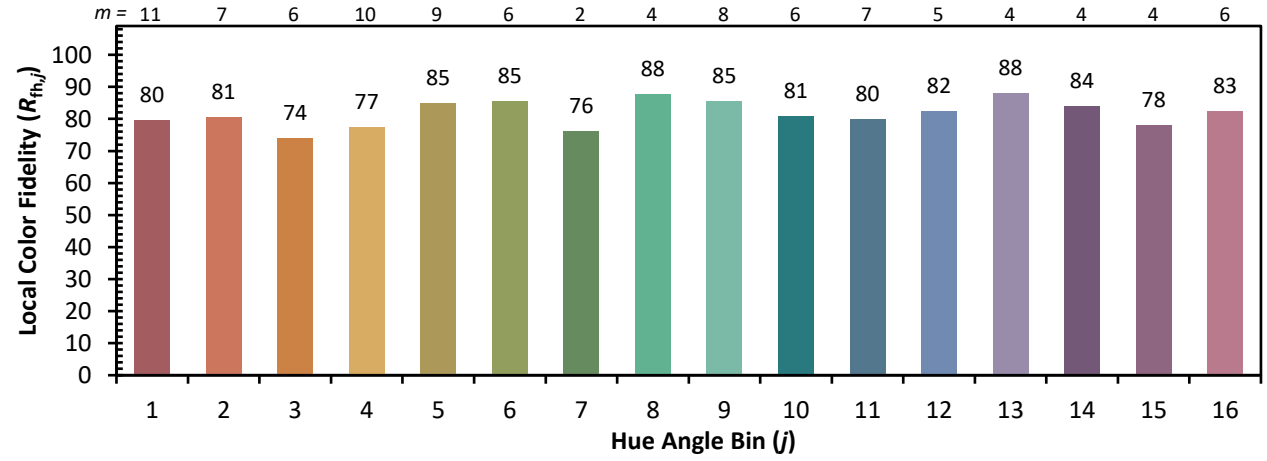
Color Rendition by Hue-Angle Bin







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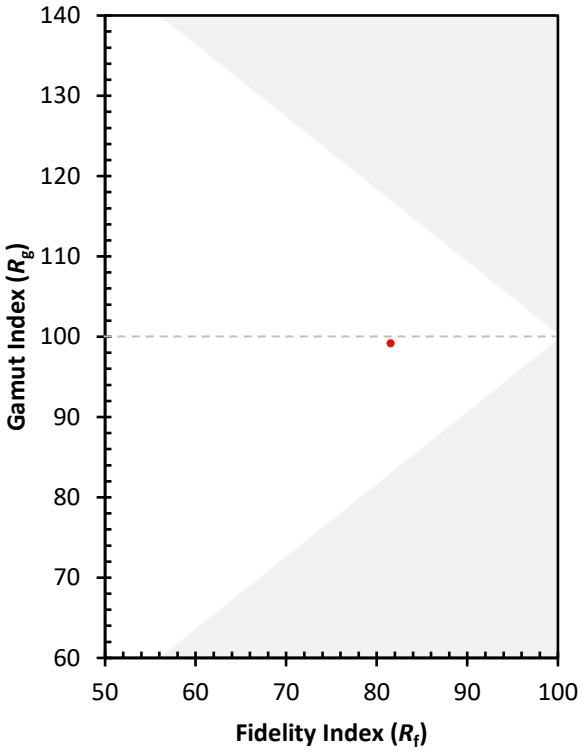
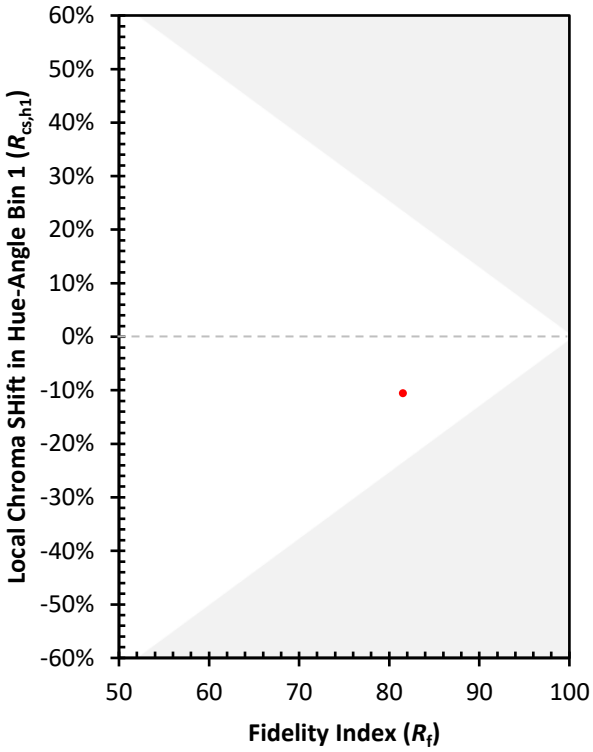
Measure Comparisons





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