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: P629589

Luminaire Tested: GWS-SA1B-830-U-T3-W-GRSWH

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:	P629589
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA1B-830-U-T3-W-GRSWH
Description:	GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source:	(16) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2430 lumens
Efficiency:	N/A
Efficacy:	97.2 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):	25
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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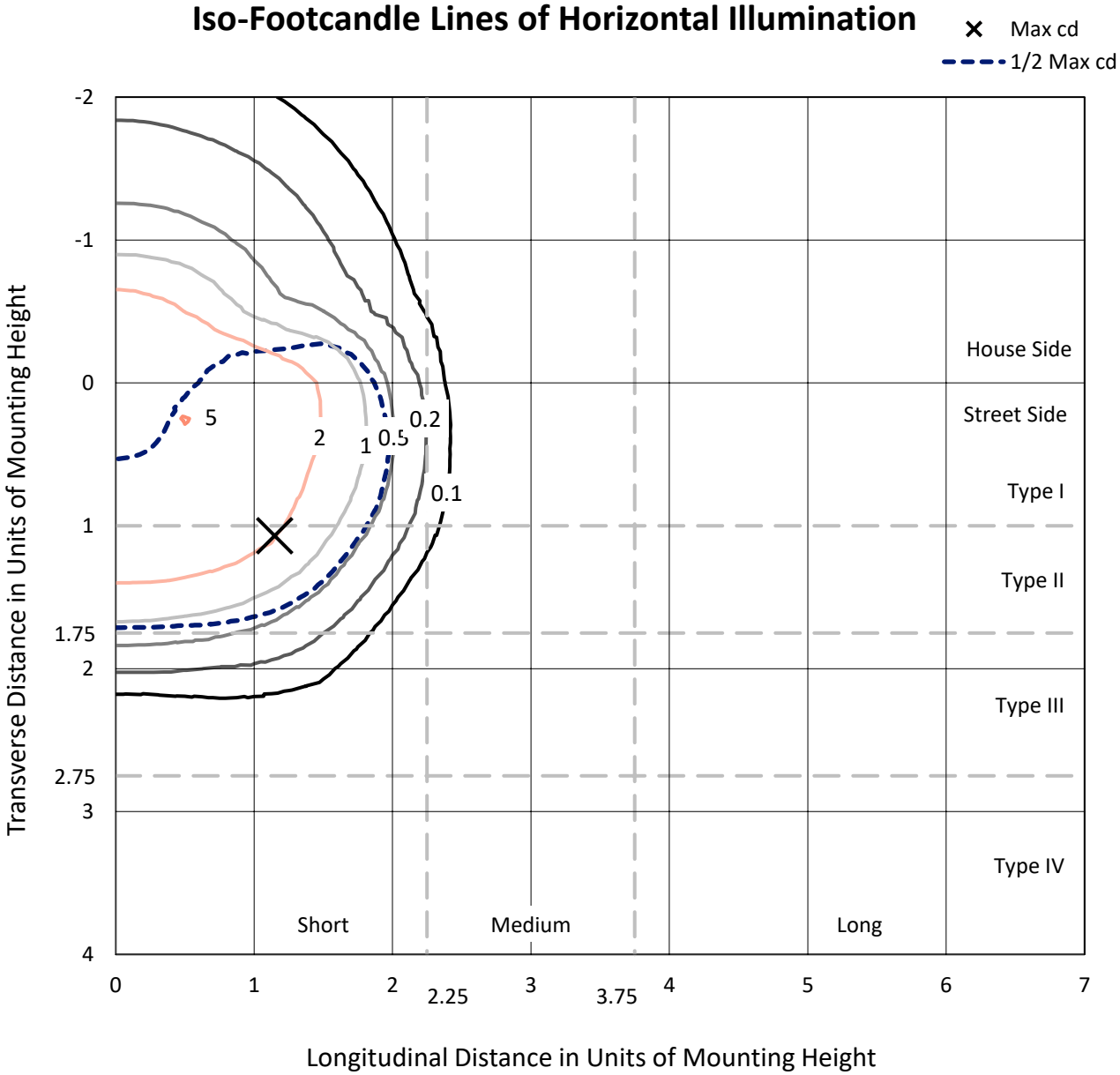
REPORT NUMBER: P629589
CATALOG NUMBER: GWS-SA1B-830-U-T3-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 5 fc
Type II - Short - N/A

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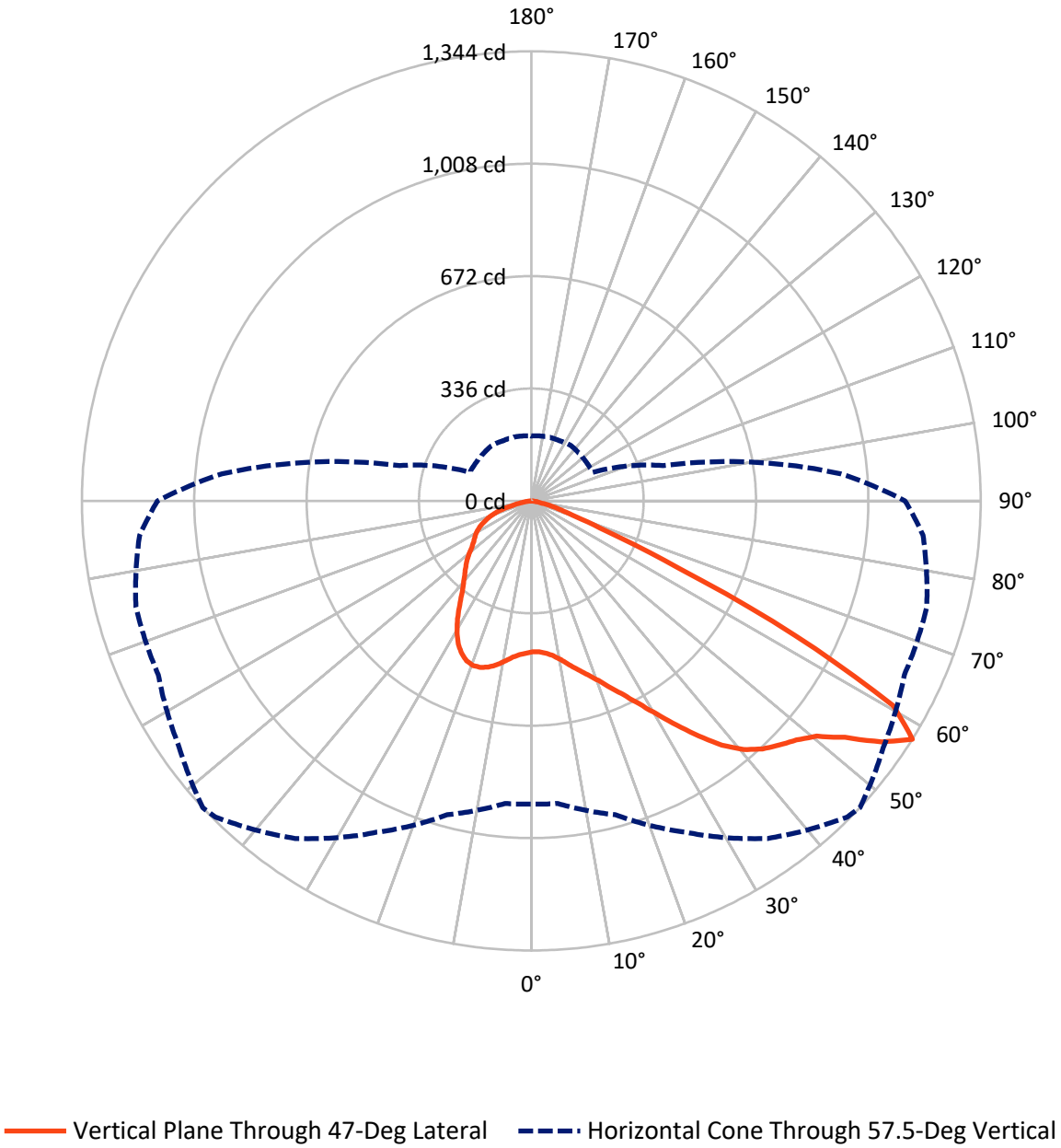
Luminous Intensity Polar Plot



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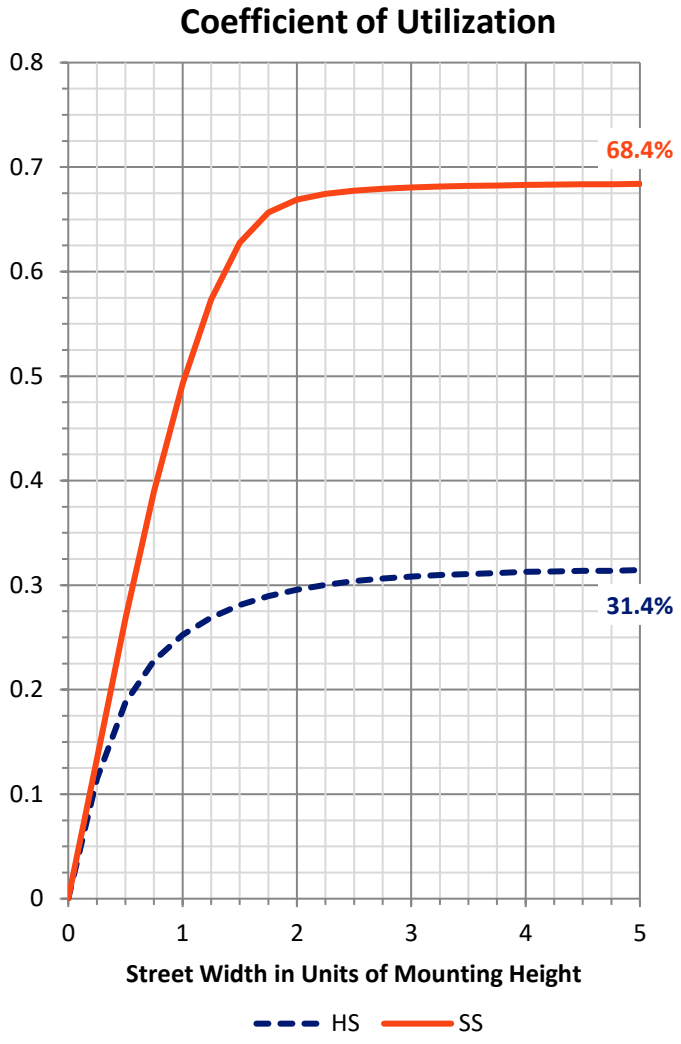
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	769.1	0.0	769.1
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	1660.9	0.0	1660.9
	% Fixture	68.4	0.0	68.4
Total	Lumens	2430.0	0.0	2430.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.4	1.8
10°-20°	146.2	6.0
20°-30°	263.2	10.8
30°-40°	397.6	16.4
40°-50°	535.4	22.0
50°-60°	643.4	26.5
60°-70°	313.3	12.9
70°-80°	77.2	3.2
80°-90°	9.3	0.4
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°	2430.0	100.0
0°-180°	2430.0	100.0



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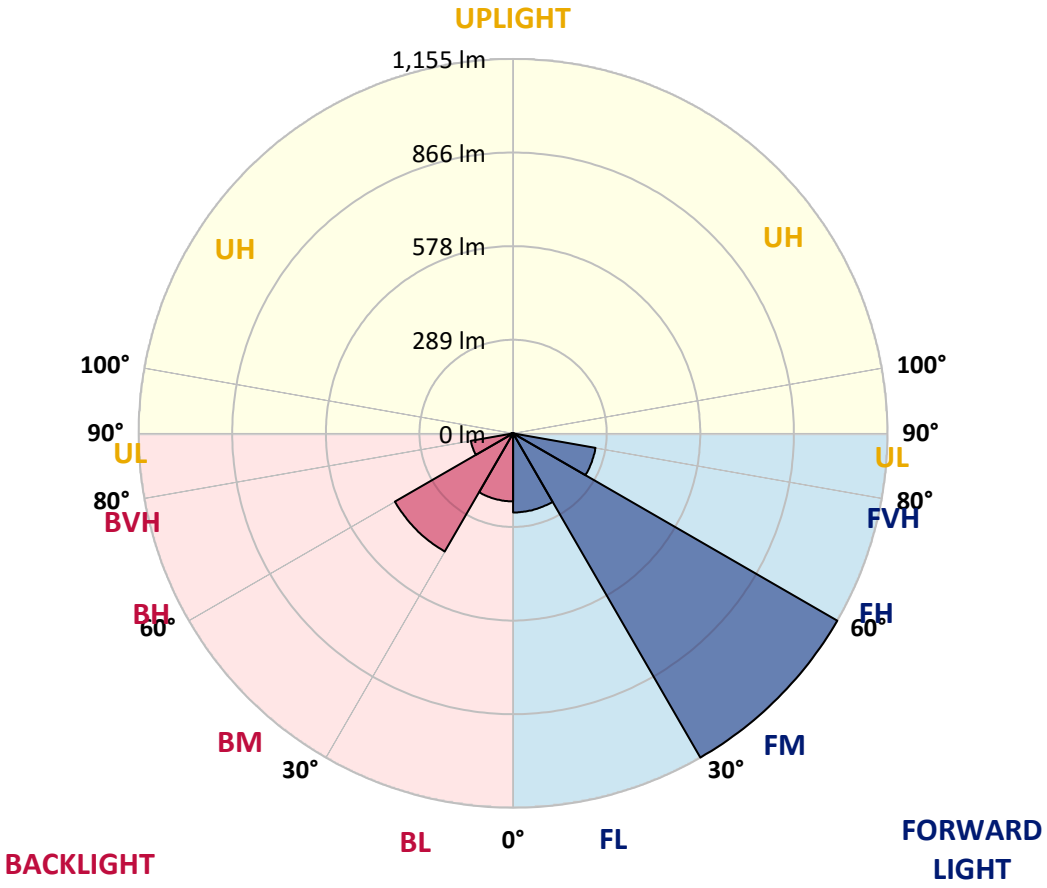
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	244.1	10.0			
FM	(30°-60°)	1155.1	47.5			
FH	(60°-80°)	258.2	10.6			G0/660
FVH	(80°-90°)	3.5	0.1			G0/10
BL	(0°-30°)	209.8	8.6	B1/500		
BM	(30°-60°)	421.2	17.3	B1/1000		
BH	(60°-80°)	132.3	5.4	B1/500		G1/500
BVH	(80°-90°)	5.8	0.2			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: P629589
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	450.6	450.6	450.6	450.6	450.6	450.6	450.6	450.6	450.6	450.6	450.6
2.5°	449.8	449.6	449.6	450.9	450.9	451.3	451.9	452.5	452.7	451.7	449.4
5°	454.7	454.7	454.7	455.7	455.7	456.2	457.0	457.2	457.0	455.3	453.1
7.5°	462.5	462.5	462.7	463.9	464.9	465.5	467.0	466.8	466.2	463.5	460.6
10°	475.1	475.8	476.4	477.8	479.8	481.3	482.3	482.3	481.5	477.4	473.7
12.5°	493.1	493.9	494.5	495.8	497.4	499.8	502.1	502.1	501.1	496.0	490.4
15°	514.1	514.9	514.7	515.1	518.2	521.7	523.5	524.7	525.1	518.0	509.4
17.5°	538.2	539.0	538.2	537.0	537.4	542.9	546.2	550.7	553.3	543.7	530.0
20°	560.0	559.2	559.2	560.0	561.3	568.0	572.9	580.2	583.5	571.9	550.7
22.5°	583.1	584.9	584.1	584.1	589.0	600.3	606.2	615.8	619.2	604.1	575.6
25°	612.9	614.5	614.1	614.5	620.3	636.2	642.1	659.8	663.3	641.7	603.1
27.5°	645.6	648.2	649.4	649.0	658.2	679.0	686.4	711.1	717.4	683.7	632.5
30°	688.0	690.9	691.9	691.5	702.3	730.7	739.0	767.2	776.2	733.5	669.8
32.5°	737.2	740.1	743.1	744.3	758.2	787.2	799.2	828.4	841.3	791.1	715.0
35°	786.0	788.4	794.3	803.9	822.9	852.5	863.1	891.9	904.4	850.9	769.4
37.5°	839.9	841.5	846.6	859.9	887.2	915.4	926.0	953.5	955.0	908.6	831.1
40°	898.8	898.8	897.8	910.9	939.5	967.8	977.0	992.9	984.6	953.1	891.1
42.5°	948.8	948.0	948.8	961.1	982.3	1005.4	1013.3	1010.3	999.7	987.2	945.4
45°	994.0	994.6	1001.9	1011.3	1022.3	1036.0	1040.7	1023.3	1013.8	1014.6	988.9
47.5°	1024.6	1025.2	1042.3	1058.0	1064.8	1069.1	1067.0	1042.9	1038.0	1047.2	1022.3
50°	1028.7	1031.9	1061.5	1093.8	1110.5	1111.1	1105.4	1076.0	1074.6	1085.0	1040.3
52.5°	1029.5	1032.7	1069.7	1127.8	1171.3	1180.5	1174.0	1143.4	1128.5	1118.0	1062.3
55°	1026.4	1030.1	1070.9	1150.7	1234.0	1270.7	1271.3	1228.1	1180.5	1173.6	1125.2
57.5°	906.2	907.6	970.9	1092.5	1231.5	1335.6	1343.6	1284.8	1230.5	1224.0	1175.6
60°	631.3	637.0	705.8	866.4	1034.6	1218.1	1243.8	1226.6	1190.3	1142.7	1008.6
62.5°	316.1	321.0	390.0	541.9	713.5	858.4	886.0	904.2	912.7	861.7	686.8
65°	136.1	139.8	182.7	283.1	403.9	473.9	483.5	505.3	558.8	498.6	370.0
67.5°	91.0	93.5	115.3	172.7	238.0	242.5	241.0	245.7	257.4	212.5	167.2
70°	69.8	71.8	86.5	126.5	171.0	146.3	138.6	125.7	136.5	139.2	135.5
72.5°	50.6	52.2	63.3	86.3	107.2	93.5	92.3	98.8	113.5	117.6	115.3
75°	32.7	33.5	40.2	47.4	55.3	60.0	62.5	74.3	89.2	92.3	89.6
77.5°	21.8	22.5	26.3	30.4	31.4	31.6	32.5	37.8	48.0	53.7	53.1
80°	11.4	11.4	12.9	12.9	14.7	17.6	18.4	21.8	26.5	29.4	29.6
82.5°	4.5	4.7	5.5	6.1	7.3	9.0	9.6	11.4	13.9	15.9	17.8
85°	1.8	2.0	2.2	2.7	3.3	4.1	4.3	4.9	6.5	8.2	9.2
87.5°	0.0	0.0	0.2	0.2	0.4	0.6	0.6	0.8	1.0	1.8	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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CATALOG NUMBER: GWS-SA1B-830-U-T3-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	450.6	450.6	450.6	450.6	450.6	450.6	450.6	450.6	450.6	450.6	450.6
2.5°	452.1	449.4	452.1	452.9	455.1	456.0	454.5	454.3	454.3	452.3	451.7
5°	455.1	452.7	455.3	456.6	459.8	461.9	462.3	463.9	464.9	464.1	463.9
7.5°	462.7	459.6	462.5	464.3	468.6	471.9	473.3	477.0	479.6	479.2	479.0
10°	476.0	471.9	475.1	478.2	482.9	486.8	487.0	489.0	491.7	490.9	490.4
12.5°	491.3	487.4	491.1	494.1	499.6	501.3	498.6	497.8	498.2	497.2	496.4
15°	510.0	504.5	507.8	511.3	514.3	512.5	506.8	504.5	504.3	502.9	502.1
17.5°	528.8	521.9	524.3	526.2	524.7	519.0	511.9	508.0	506.2	503.3	502.5
20°	547.4	538.6	538.2	536.8	530.2	519.8	510.2	502.5	497.8	493.9	492.5
22.5°	568.6	556.4	550.2	543.7	529.4	512.5	498.0	487.0	479.4	474.5	472.9
25°	591.5	574.1	561.5	548.4	521.3	496.8	476.6	461.5	452.5	447.2	445.3
27.5°	614.1	590.2	571.3	549.0	504.9	474.1	447.0	426.6	417.6	413.3	411.9
30°	644.7	611.7	582.9	541.1	483.5	442.7	408.8	388.2	382.3	379.2	378.0
32.5°	680.1	638.8	598.4	524.3	456.2	405.9	370.2	355.9	351.9	345.9	345.7
35°	726.6	677.6	613.1	499.6	421.7	366.6	340.6	330.4	323.1	313.7	312.9
37.5°	780.9	726.0	621.1	468.2	381.5	334.1	318.6	307.2	295.3	282.9	281.2
40°	837.0	782.5	621.7	431.1	342.1	312.7	299.6	284.7	270.0	256.1	254.3
42.5°	896.0	835.2	610.9	388.2	309.8	294.1	280.8	262.1	245.5	236.1	235.1
45°	948.6	877.6	586.4	343.1	285.9	278.6	261.7	241.4	232.7	225.9	224.5
47.5°	990.1	905.8	553.3	302.7	266.6	262.7	240.6	230.2	223.5	217.4	215.9
50°	1010.5	912.1	510.2	269.8	248.6	243.9	228.8	220.8	216.3	211.4	210.2
52.5°	1035.8	919.3	473.1	242.3	231.0	224.7	219.0	212.7	209.4	206.3	205.3
55°	1094.0	946.2	453.5	220.2	214.3	211.4	210.6	205.3	204.3	202.3	200.4
57.5°	*1117.6*	*928.8*	*407.2*	*202.3*	*201.0*	*201.4*	*203.5*	*198.6*	*197.6*	*195.1*	*193.9*
60°	898.8	702.1	275.7	186.7	190.0	192.7	194.7	189.8	188.4	188.0	186.3
62.5°	576.0	431.9	192.5	172.3	177.2	180.4	181.6	177.0	175.9	179.2	179.4
65°	299.8	235.3	156.1	156.7	160.8	165.7	168.2	166.5	166.1	169.6	169.8
67.5°	153.1	143.9	136.1	138.4	141.6	148.0	153.7	160.8	163.3	163.7	163.9
70°	130.4	126.3	122.5	123.9	127.4	130.8	136.3	139.8	135.7	134.7	134.3
72.5°	111.0	108.0	106.1	107.8	109.6	109.0	107.4	109.0	109.6	109.8	110.0
75°	86.3	84.1	82.7	82.9	82.9	80.6	77.6	75.7	73.7	72.0	72.0
77.5°	52.9	53.3	54.7	54.5	54.3	53.5	50.4	48.8	43.9	42.5	42.5
80°	30.2	30.8	32.2	32.7	32.7	31.6	28.6	26.7	24.5	23.5	23.3
82.5°	18.4	19.2	20.0	20.4	20.6	19.4	16.7	15.3	14.1	13.1	13.1
85°	9.6	10.0	10.8	11.0	10.4	9.2	7.8	7.1	5.9	5.7	5.7
87.5°	2.7	2.9	3.3	2.7	2.4	1.8	1.0	0.8	0.4	0.2	0.2
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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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

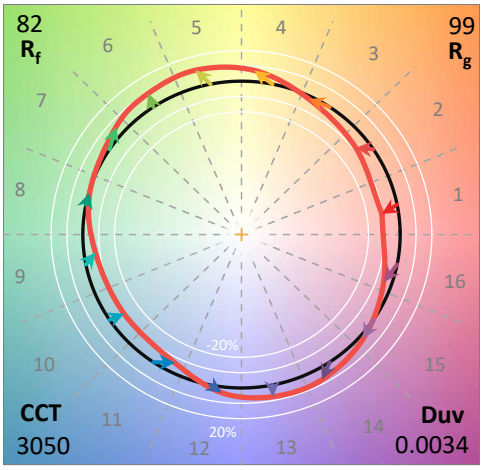
Test Information

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

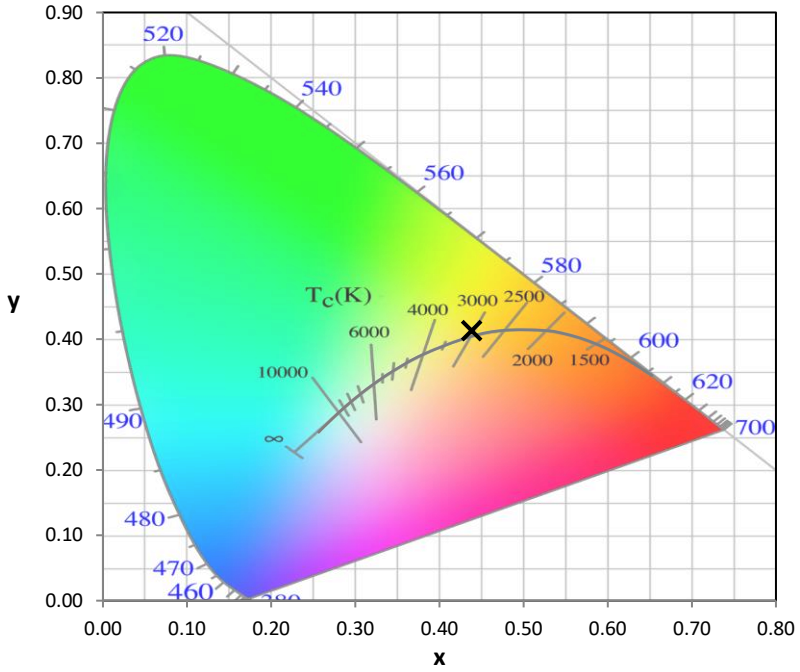
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

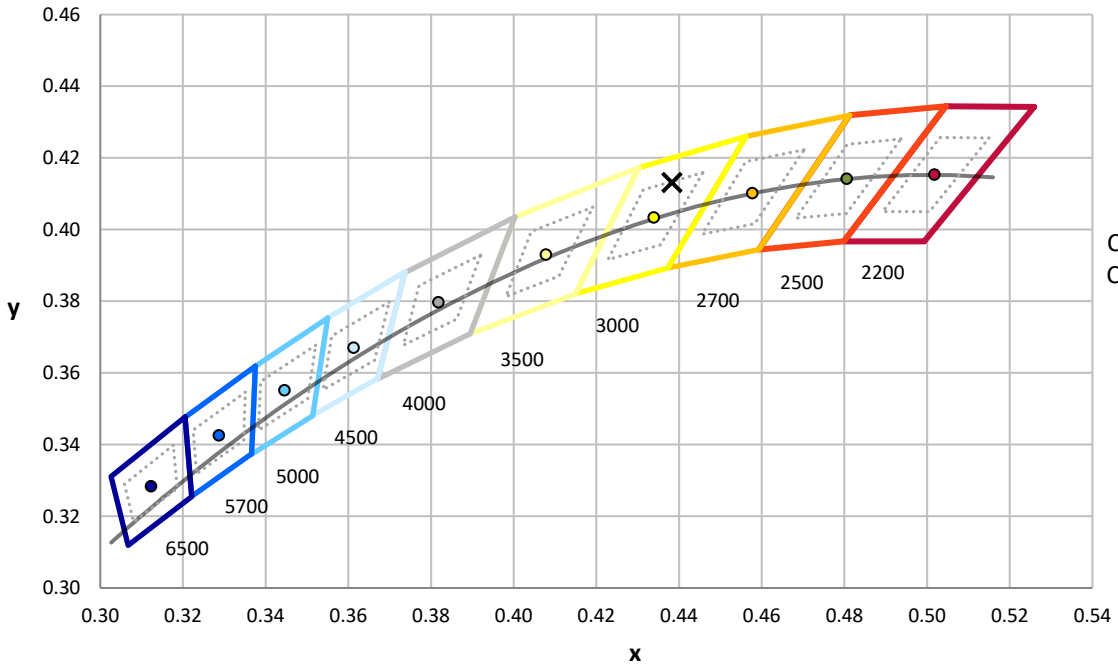
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

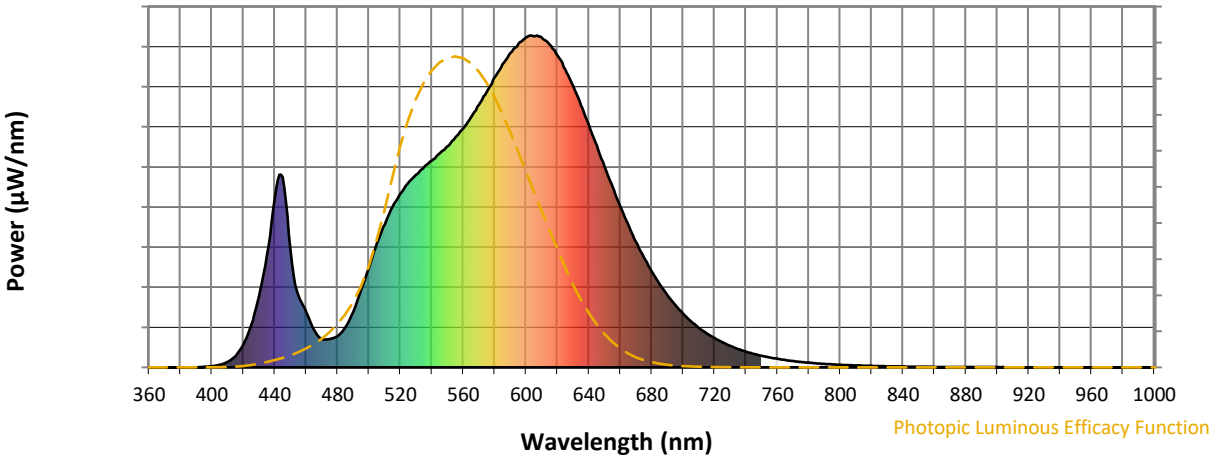


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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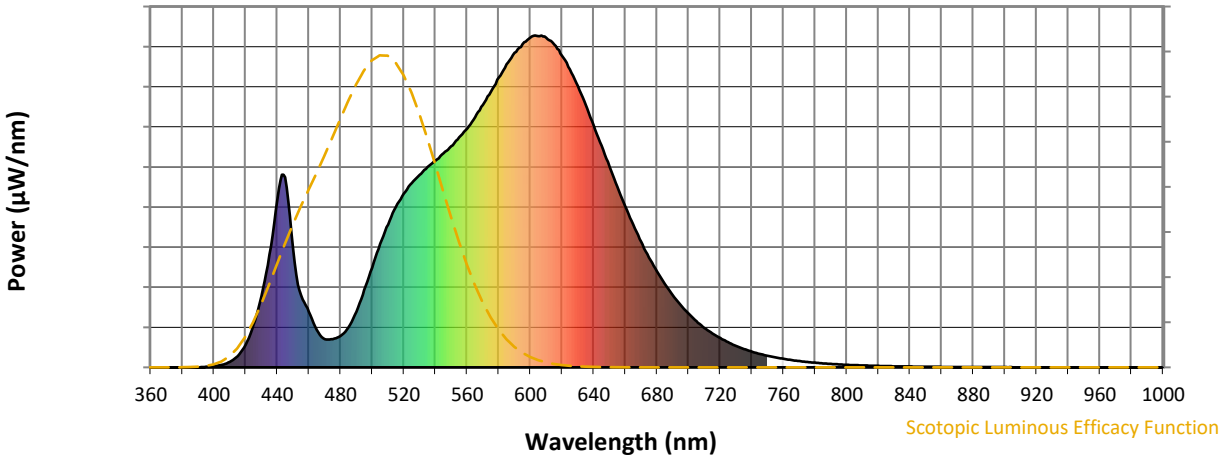
Scotopic Flux vs. Wavelength



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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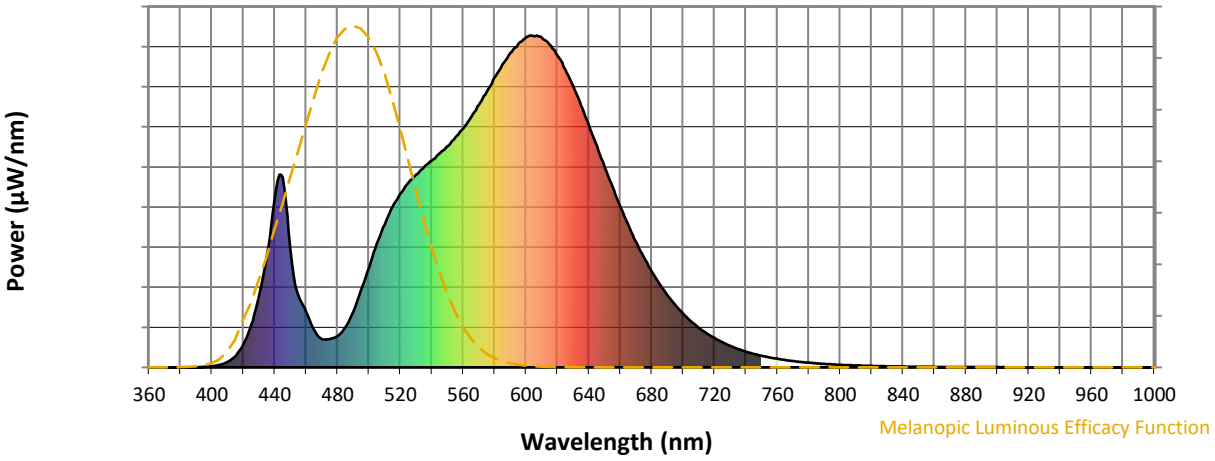
Melanopic Flux vs. Wavelength



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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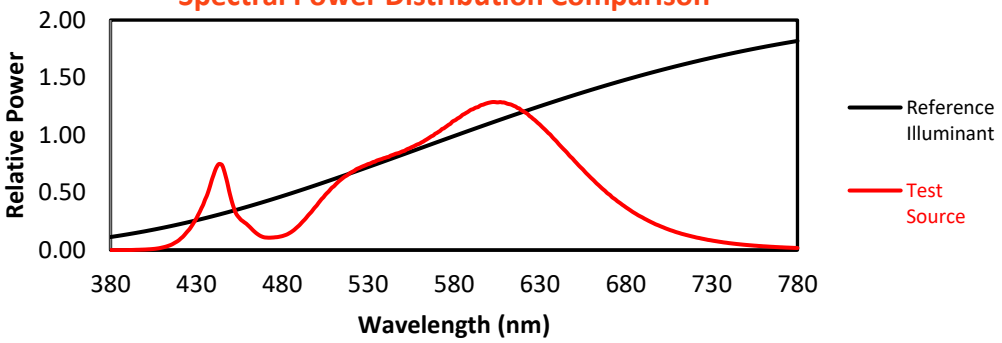
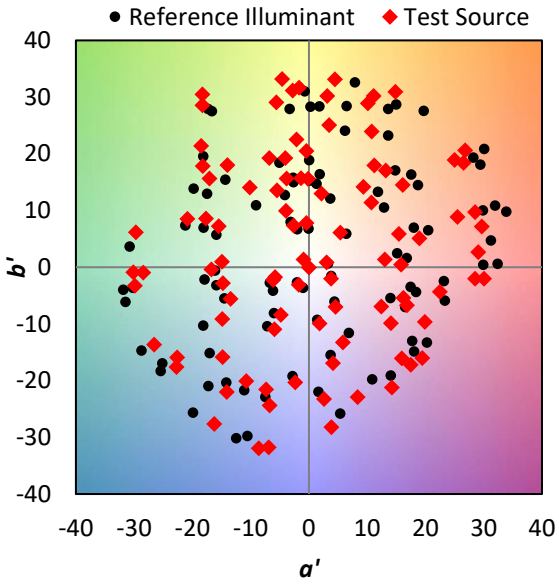
Summary

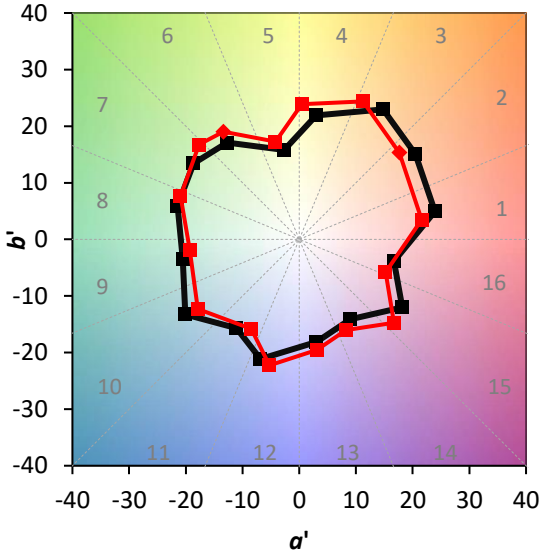
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

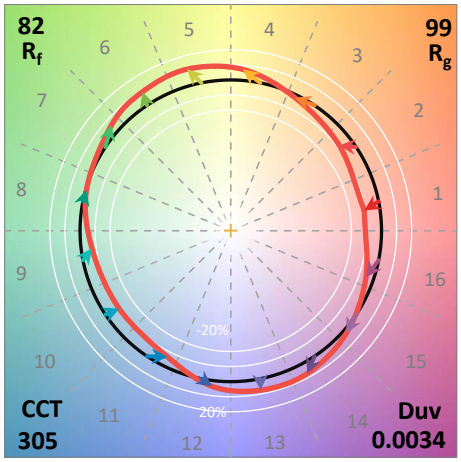
Spectral Power Distribution Comparison

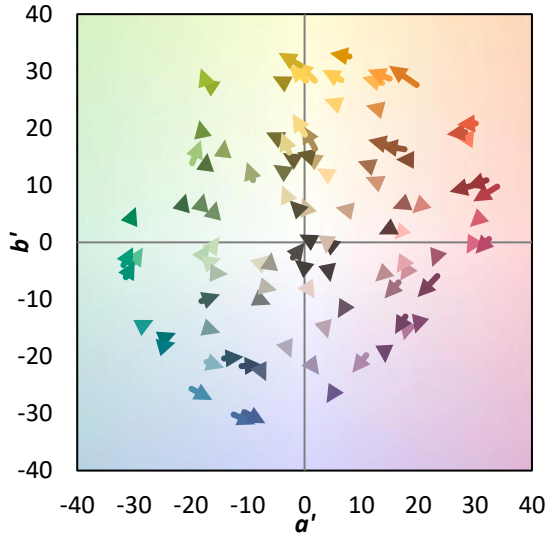


Color Vector Graphics









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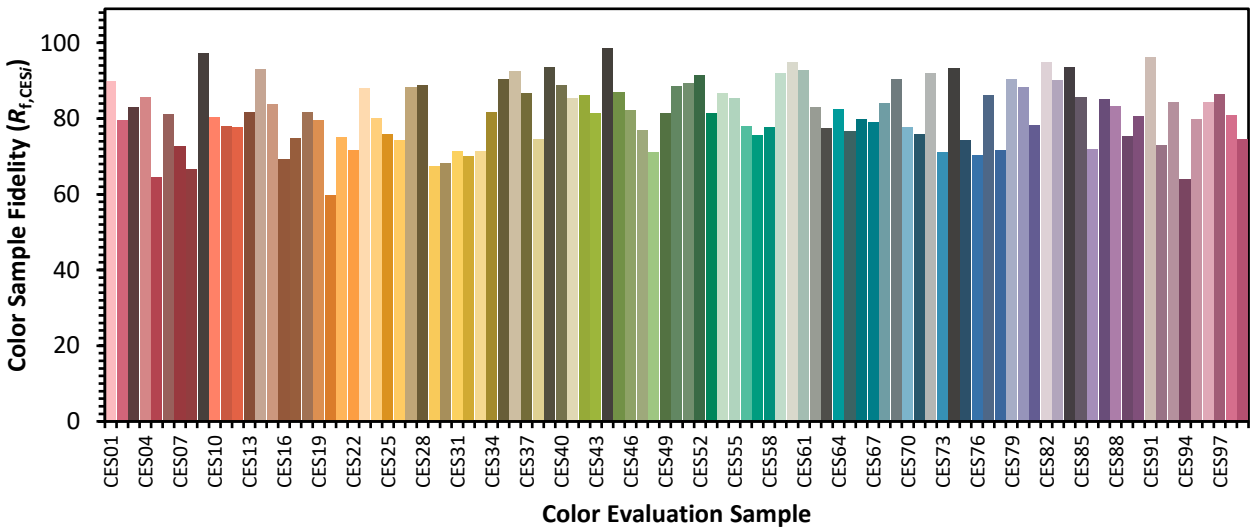
Individual Sample Fidelity Index ($R_{f,i}$)

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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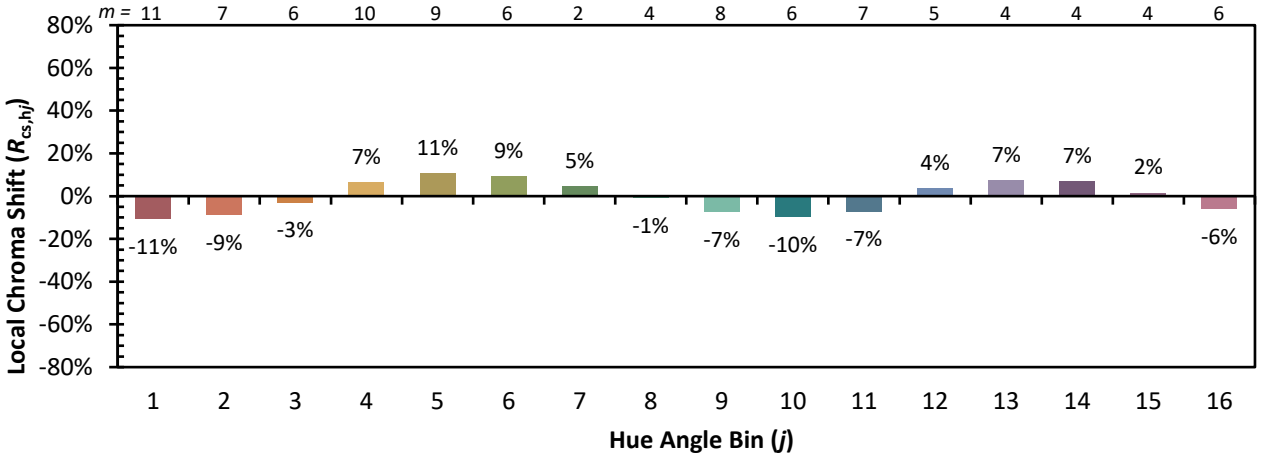
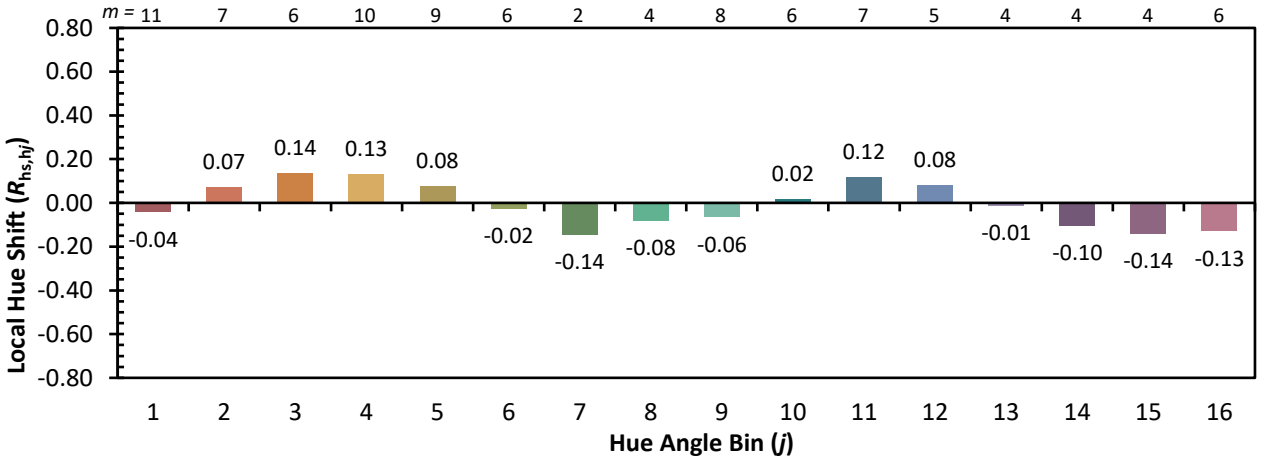
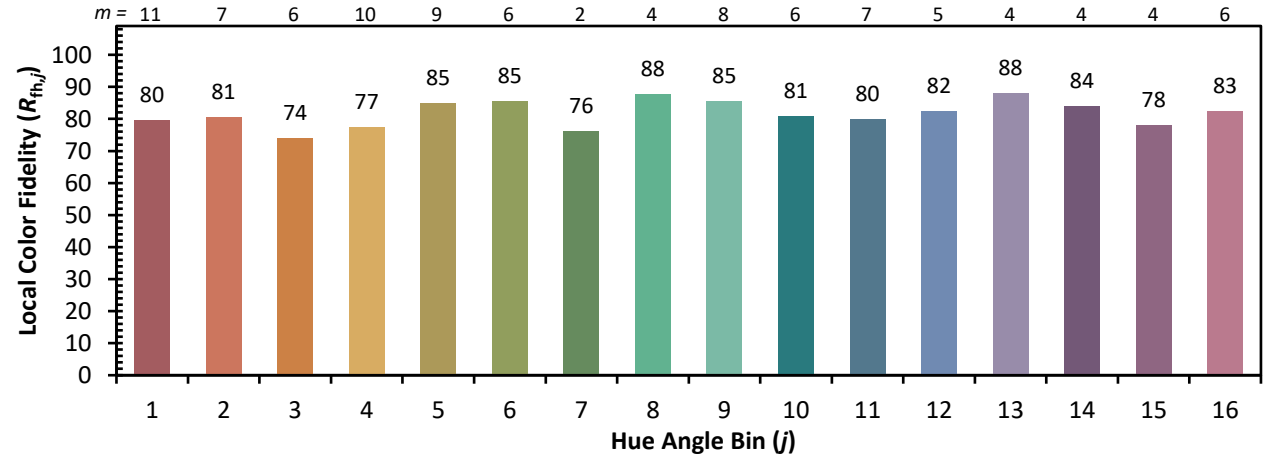
Color Rendition by Hue-Angle Bin







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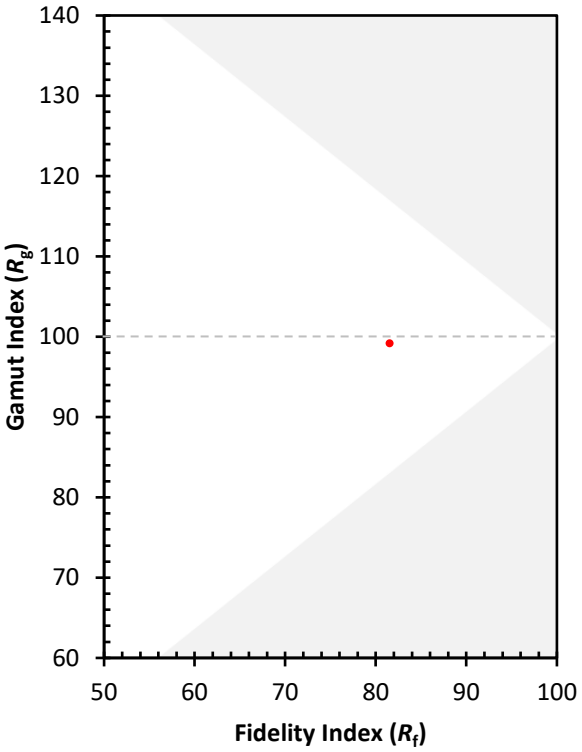
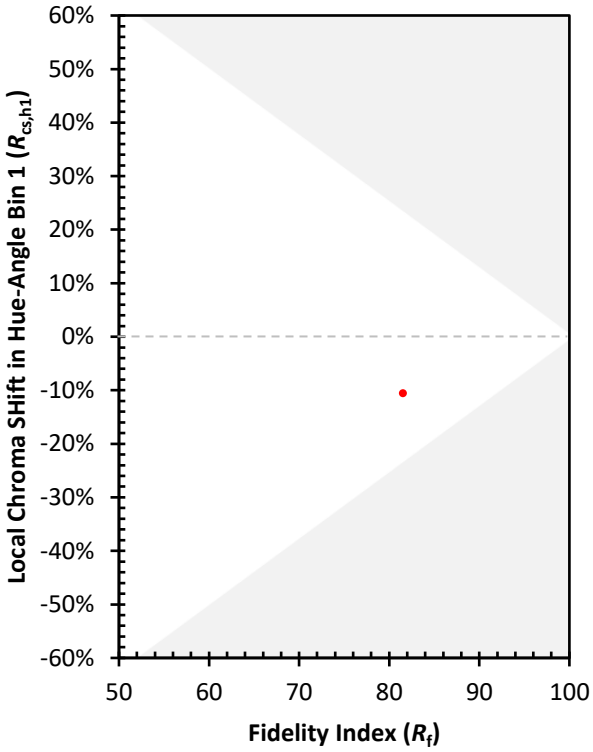
Measure Comparisons





(END OF REPORT)