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: P629562

Luminaire Tested: GWS-SA1B-830-U-SL2-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:	P629562
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA1B-830-U-SL2-W-GRSWH
Description:	GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR 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:	2424.9 lumens
Efficiency:	N/A
Efficacy:	97.0 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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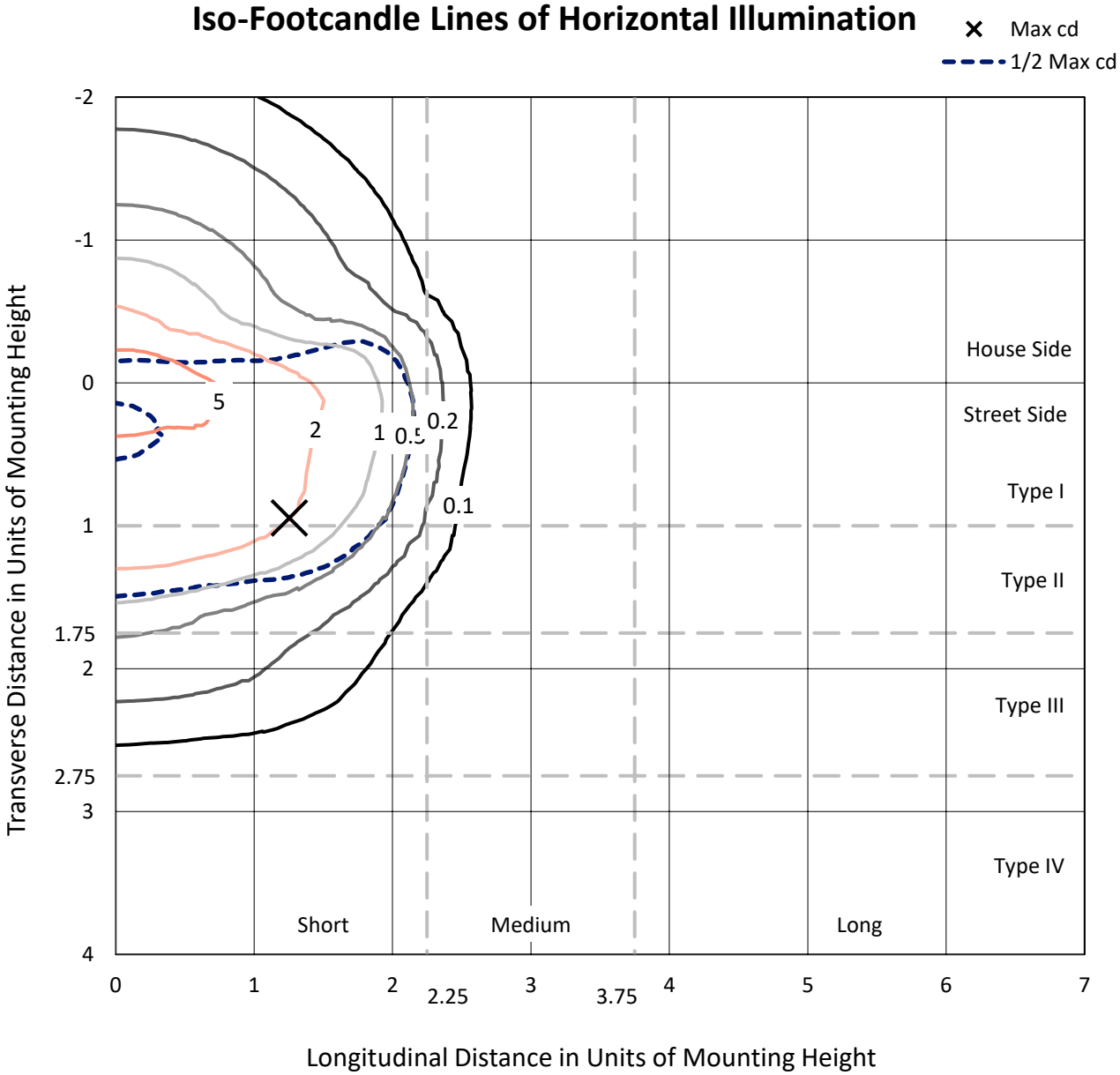
REPORT NUMBER: P629562
CATALOG NUMBER: GWS-SA1B-830-U-SL2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
Type II - Short - N/A

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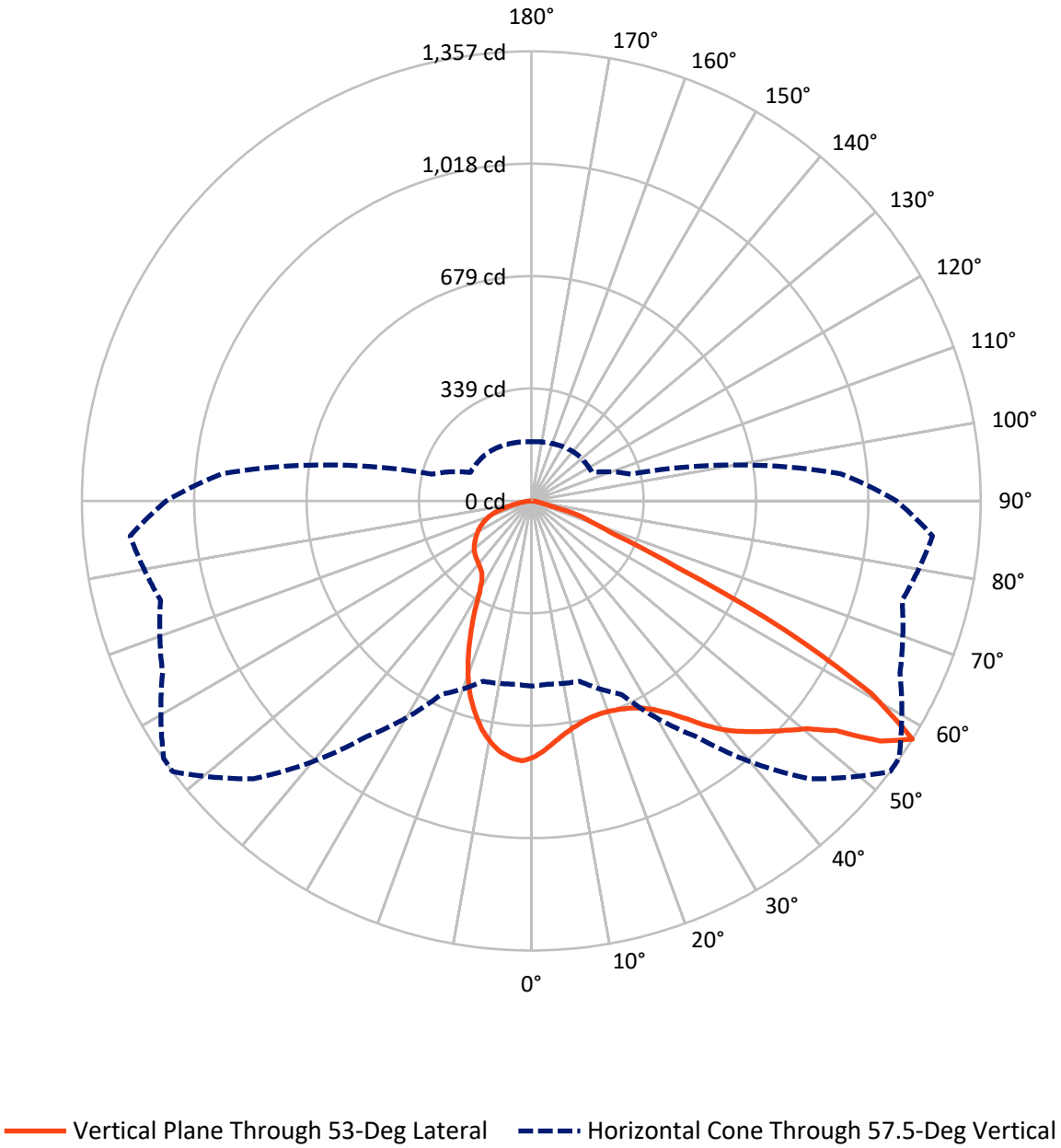
Luminous Intensity Polar Plot



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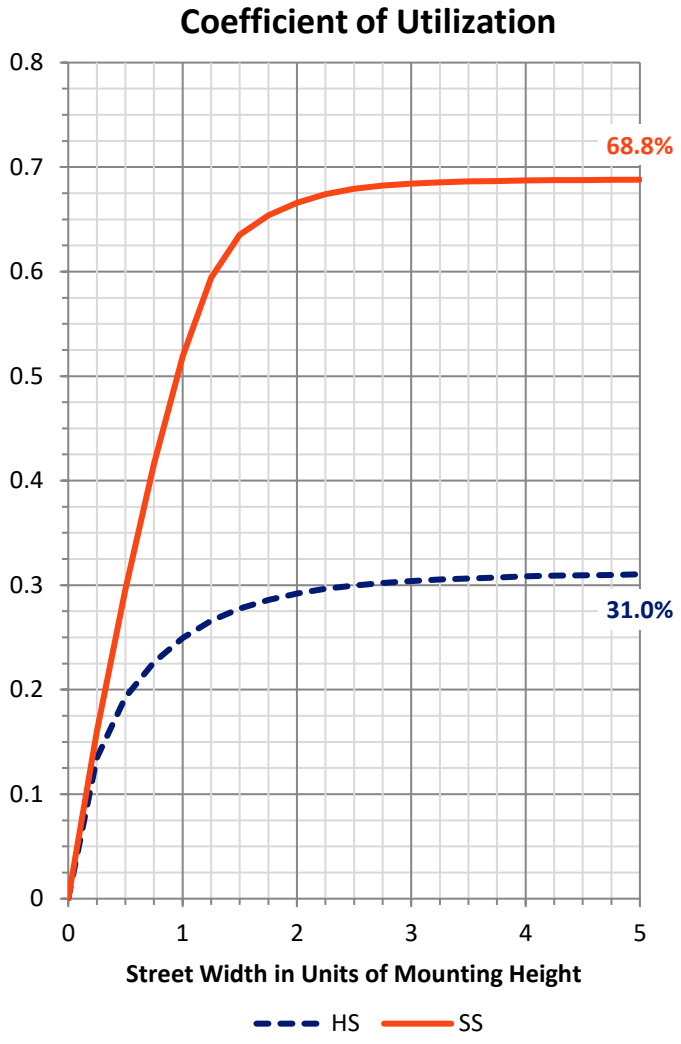
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	758.2	0.0	758.2
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	1666.7	0.0	1666.7
	% Fixture	68.7	0.0	68.7
Total	Lumens	2424.9	0.0	2424.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.0	2.9
10°-20°	183.7	7.6
20°-30°	270.7	11.2
30°-40°	378.9	15.6
40°-50°	498.0	20.5
50°-60°	584.0	24.1
60°-70°	344.0	14.2
70°-80°	85.6	3.5
80°-90°	10.0	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°	2424.9	100.0
0°-180°	2424.9	100.0



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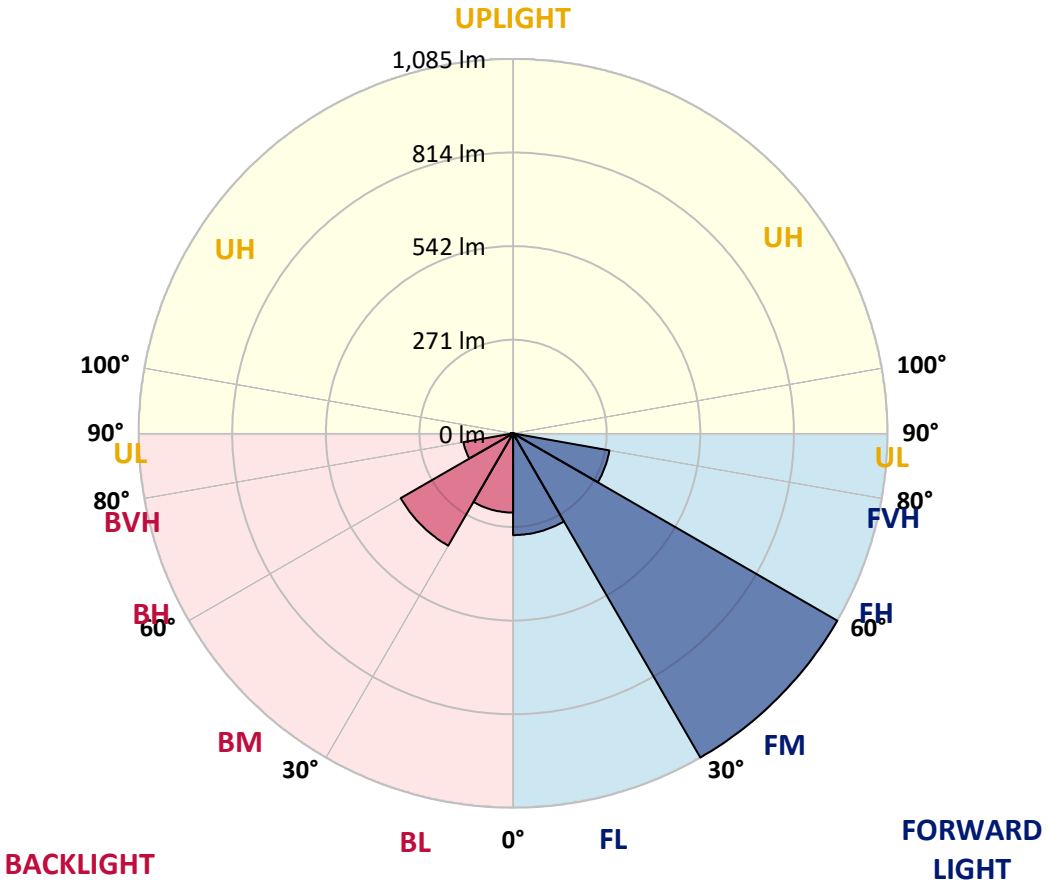
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	294.8	12.2			
FM	(30°-60°)	1084.9	44.7			
FH	(60°-80°)	283.6	11.7			G0/660
FVH	(80°-90°)	3.4	0.1			G0/10
BL	(0°-30°)	229.6	9.5	B1/500		
BM	(30°-60°)	375.9	15.5	B1/1000		
BH	(60°-80°)	146.0	6.0	B1/500		G1/500
BVH	(80°-90°)	6.7	0.3			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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Scaled Data Report

REPORT NUMBER: P629562
CATALOG NUMBER: GWS-SA1B-830-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	774.3	774.3	774.3	774.3	774.3	774.3	*774.3*	774.3	774.3	774.3	774.3
2.5°	729.8	731.9	732.3	738.6	739.0	748.2	*754.3*	753.1	759.4	767.2	773.3
5°	694.9	695.1	697.2	704.7	708.8	720.9	*731.1*	731.1	743.3	759.2	772.9
7.5°	666.2	666.0	667.8	676.2	682.9	697.4	*711.3*	712.9	730.0	753.3	775.6
10°	639.4	640.9	642.9	653.1	661.7	679.6	*696.2*	698.8	720.5	749.2	779.2
12.5°	622.3	622.5	625.6	637.0	648.0	667.2	*684.5*	687.8	712.7	745.4	781.9
15°	611.3	611.5	614.7	627.4	640.2	659.6	*677.4*	681.1	708.2	744.7	787.0
17.5°	606.4	606.2	609.2	621.9	636.0	656.2	*675.1*	679.6	710.3	749.4	796.0
20°	606.4	606.6	608.2	619.6	633.9	655.3	*677.4*	682.9	718.2	760.0	809.8
22.5°	614.9	615.8	616.6	624.3	635.6	656.6	*683.3*	690.7	735.4	777.8	828.0
25°	631.7	631.9	632.7	639.0	644.1	660.0	*693.1*	704.1	762.1	803.7	850.9
27.5°	654.1	657.0	657.8	661.9	661.9	668.6	*708.4*	724.3	798.2	841.1	880.1
30°	685.6	686.6	688.0	692.5	687.6	684.7	*730.9*	751.3	840.1	886.2	915.2
32.5°	713.1	715.4	723.1	730.5	721.7	712.7	*763.9*	788.0	880.3	933.1	952.5
35°	736.6	742.1	757.0	773.3	767.2	758.2	*807.8*	832.9	913.3	966.8	985.6
37.5°	764.9	769.2	789.6	816.2	821.7	817.4	*861.3*	879.2	935.4	975.4	1003.5
40°	793.7	800.3	826.6	863.3	884.3	887.4	*910.7*	922.7	942.9	958.6	1000.1
42.5°	823.1	834.3	870.5	913.3	950.7	957.6	*952.3*	957.4	940.5	935.6	983.9
45°	859.0	872.3	913.1	967.8	1017.0	1027.8	*993.1*	988.4	940.1	926.8	973.9
47.5°	901.5	914.8	953.7	1017.4	1080.3	1088.2	*1035.0*	1026.4	954.3	940.3	987.4
50°	939.0	948.2	983.1	1054.4	1139.3	1144.0	*1081.1*	1070.7	989.9	977.6	1029.5
52.5°	900.9	899.9	936.6	1024.4	1169.9	1226.4	*1152.1*	1142.1	1058.4	1039.7	1094.6
55°	764.3	752.7	785.6	871.9	1084.4	1299.7	*1279.5*	1259.5	1149.9	1102.1	1155.6
57.5°	*558.8*	*555.5*	*563.5*	*644.5*	*868.6*	*1186.2*	*1357.4*	*1355.6*	*1228.9*	*1159.3*	*1216.4*
60°	437.0	432.1	410.8	413.1	592.1	926.6	*1178.0*	1232.1	1277.8	1193.5	1258.9
62.5°	388.0	384.3	373.3	342.9	352.7	621.3	*863.5*	913.1	1116.6	1054.2	1081.3
65°	321.2	320.2	329.4	328.2	295.5	343.1	*487.4*	537.4	702.1	710.9	702.1
67.5°	233.5	231.6	254.9	300.8	284.5	259.0	*271.7*	289.0	360.0	323.3	291.0
70°	151.8	149.2	162.7	217.4	254.7	225.7	*195.7*	192.9	198.0	123.1	133.1
72.5°	101.8	98.8	98.6	119.6	153.9	152.1	*151.6*	150.2	134.1	97.1	107.8
75°	56.7	54.3	53.7	51.6	55.1	56.1	*59.8*	61.8	66.9	73.7	81.6
77.5°	9.6	9.4	11.8	15.1	20.8	26.7	*33.1*	34.9	43.1	51.0	56.1
80°	5.3	5.5	7.1	8.8	11.6	15.9	*20.4*	21.6	26.5	30.8	34.9
82.5°	2.9	2.9	3.7	4.7	6.3	8.4	*11.0*	12.0	15.3	18.0	20.8
85°	1.0	1.0	1.4	1.8	2.7	3.5	*4.3*	4.9	6.7	9.2	10.4
87.5°	0.0	0.0	0.0	0.0	0.2	0.4	*0.8*	0.8	1.0	1.8	2.7
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: P629562
CATALOG NUMBER: GWS-SA1B-830-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	774.3	774.3	774.3	774.3	774.3	774.3	774.3	774.3	774.3	774.3	774.3
2.5°	778.4	772.9	780.5	783.9	785.2	786.0	780.7	777.0	775.8	771.9	769.6
5°	781.3	777.6	784.7	784.7	779.6	774.3	763.5	756.0	750.7	744.3	743.3
7.5°	786.2	783.5	787.4	779.4	766.6	752.3	733.5	718.8	707.0	699.2	699.4
10°	792.7	789.4	786.4	768.6	745.2	718.8	690.0	668.6	649.0	640.0	635.1
12.5°	797.0	792.3	779.4	750.0	715.6	680.2	639.6	607.8	579.4	566.6	565.5
15°	802.3	793.7	768.0	726.0	678.0	629.8	577.6	533.3	494.9	474.9	473.9
17.5°	809.2	795.2	754.3	698.4	638.4	567.4	501.7	445.9	405.1	389.6	392.3
20°	819.0	796.8	738.8	667.8	589.2	496.4	414.5	363.3	347.6	346.6	344.5
22.5°	830.1	797.8	721.7	633.5	529.6	420.6	342.5	320.6	320.4	325.5	326.8
25°	842.5	798.6	702.3	593.5	465.1	345.1	302.9	296.3	301.4	311.0	312.3
27.5°	858.4	800.3	678.8	549.6	396.6	298.2	281.0	279.4	285.5	294.5	294.1
30°	881.9	806.2	653.9	499.2	326.1	275.9	267.8	268.0	270.4	274.7	275.3
32.5°	905.8	815.4	629.6	442.5	285.7	263.3	259.6	259.2	259.2	261.0	261.4
35°	928.4	825.8	603.3	383.3	266.1	255.9	253.5	252.3	251.6	251.2	250.6
37.5°	941.1	830.9	577.6	324.9	255.7	251.0	248.6	247.0	244.7	243.1	242.7
40°	935.6	825.0	547.8	281.2	249.4	246.3	243.5	241.2	238.2	236.8	235.9
42.5°	917.2	806.6	515.3	260.6	244.3	241.2	237.8	234.1	232.1	230.8	230.6
45°	897.8	784.3	476.2	248.6	239.4	235.7	231.6	227.6	225.3	224.7	224.5
47.5°	897.2	773.3	434.5	239.0	233.5	229.8	224.7	220.6	218.2	217.4	216.5
50°	924.1	784.5	387.6	230.6	227.4	223.5	217.8	213.3	210.2	209.2	209.0
52.5°	980.1	826.8	345.5	222.3	219.2	214.7	210.0	205.5	201.8	200.0	199.8
55°	1040.5	880.5	319.4	213.7	209.6	205.7	201.4	196.5	192.5	189.6	189.2
57.5°	*1102.9*	*939.0*	*311.4*	*202.9*	*199.8*	*197.2*	*192.1*	*186.7*	*182.1*	*179.4*	*178.8*
60°	1154.4	989.5	326.3	191.4	189.8	186.3	181.6	176.5	173.3	171.2	170.8
62.5°	966.4	805.6	263.5	179.0	179.0	175.3	170.0	166.3	164.1	162.7	162.3
65°	613.3	498.8	179.8	166.5	166.3	161.4	156.9	154.5	153.5	151.2	150.8
67.5°	267.2	228.0	153.7	153.9	153.1	147.8	143.3	141.4	139.4	136.9	136.7
70°	138.6	141.2	137.6	139.8	138.4	132.0	127.8	124.9	120.6	118.2	118.4
72.5°	111.8	114.7	118.8	122.3	119.2	114.1	107.4	103.9	98.4	95.7	95.9
75°	85.3	88.4	92.3	95.9	93.5	87.1	82.9	79.4	73.1	70.0	70.6
77.5°	58.8	60.4	65.1	64.9	64.1	62.2	55.9	51.8	45.3	41.6	42.0
80°	36.5	37.6	39.8	40.8	40.4	38.0	32.9	29.8	25.9	23.7	23.9
82.5°	22.0	22.7	24.7	24.9	24.7	22.9	19.0	16.7	14.3	13.1	13.1
85°	11.2	11.6	12.9	12.9	11.6	9.8	8.8	7.8	6.3	5.7	5.7
87.5°	3.1	3.1	3.9	3.3	2.7	2.4	1.2	1.0	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

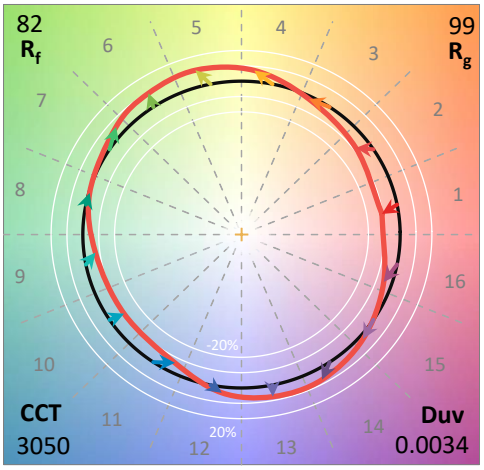
Test Information

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

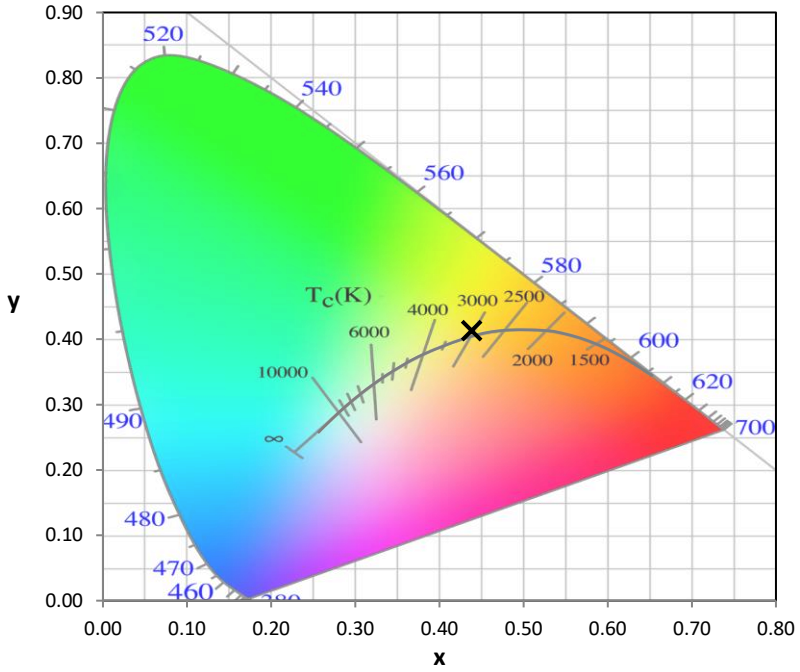
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

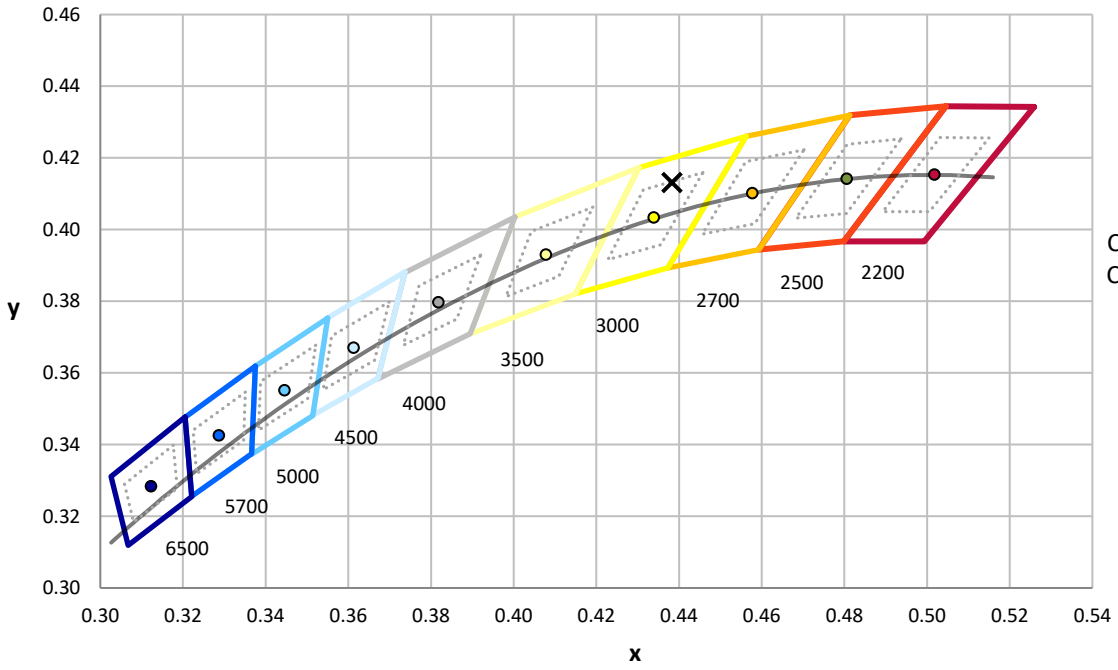
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

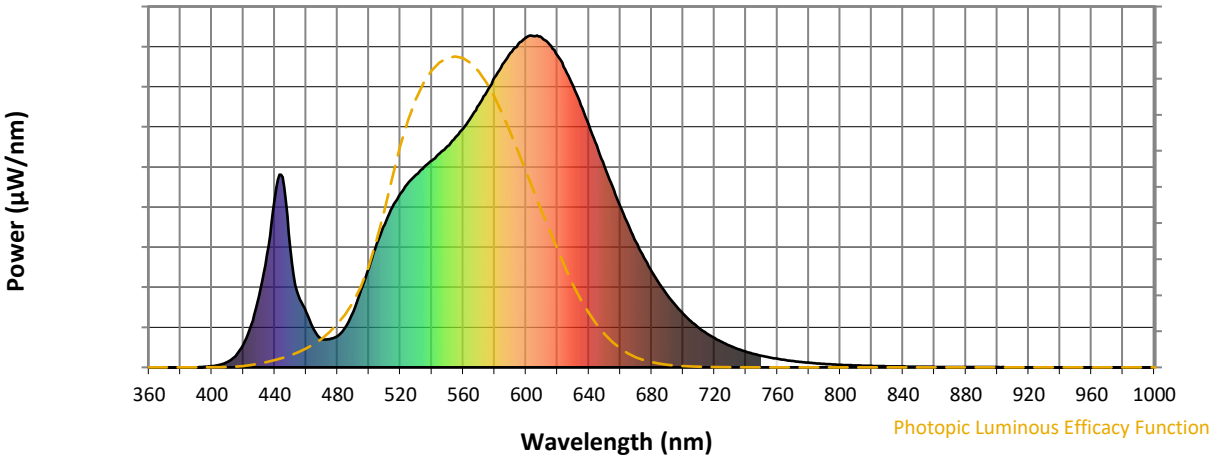


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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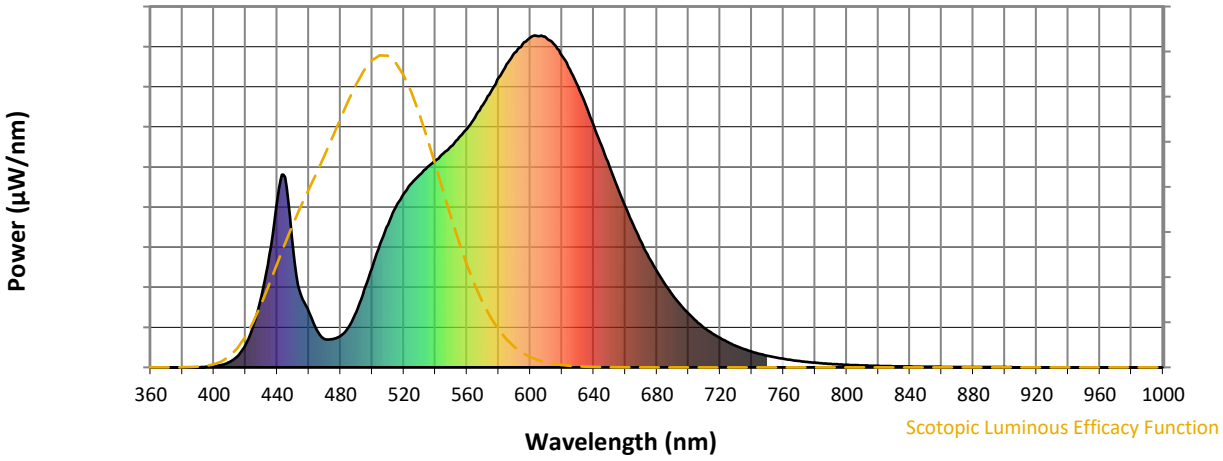
Scotopic Flux vs. Wavelength



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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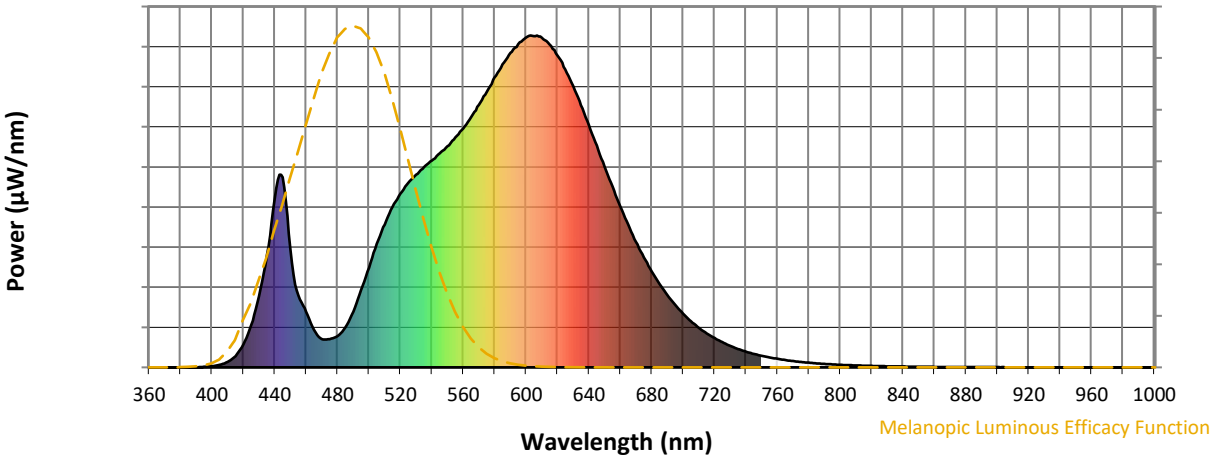
Melanopic Flux vs. Wavelength



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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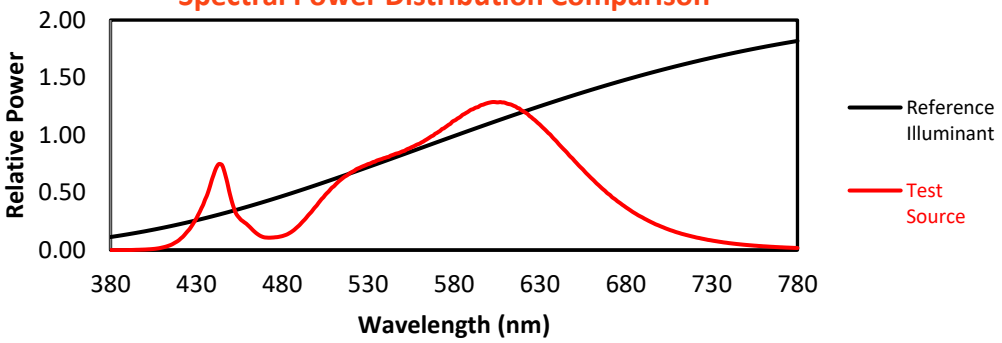
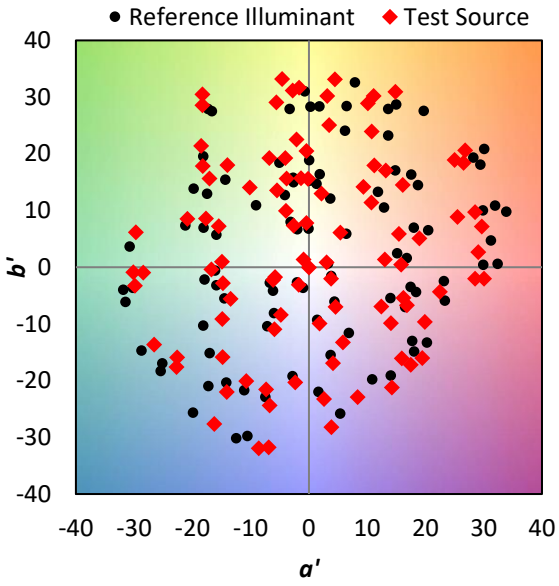
Summary

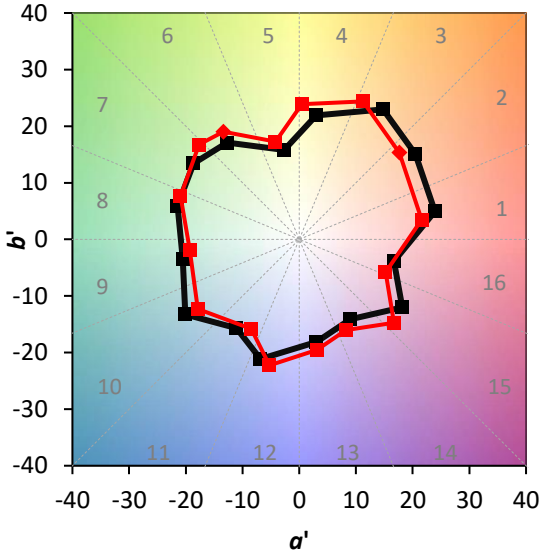
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

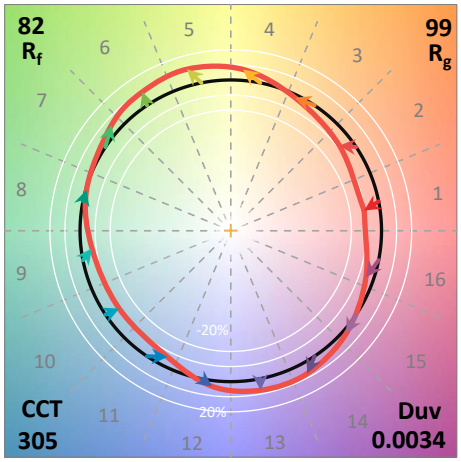
Spectral Power Distribution Comparison

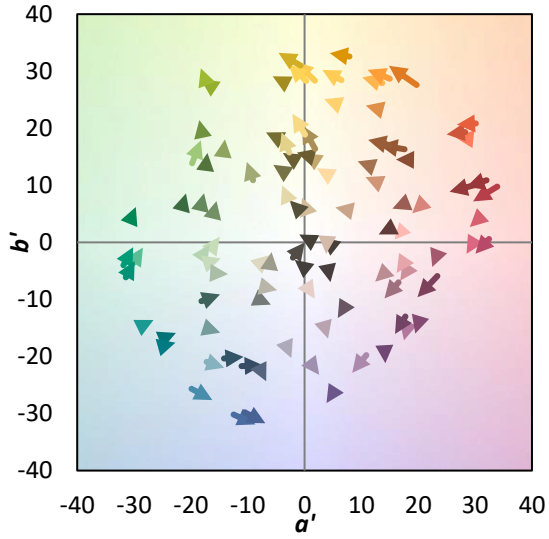


Color Vector Graphics









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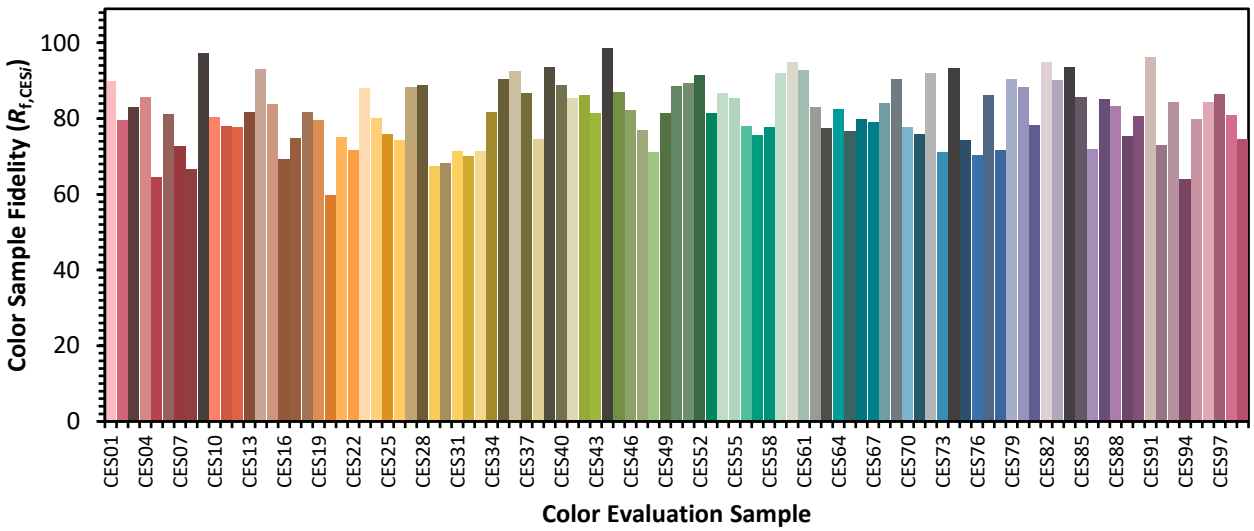
Individual Sample Fidelity Index ($R_{f,i}$)

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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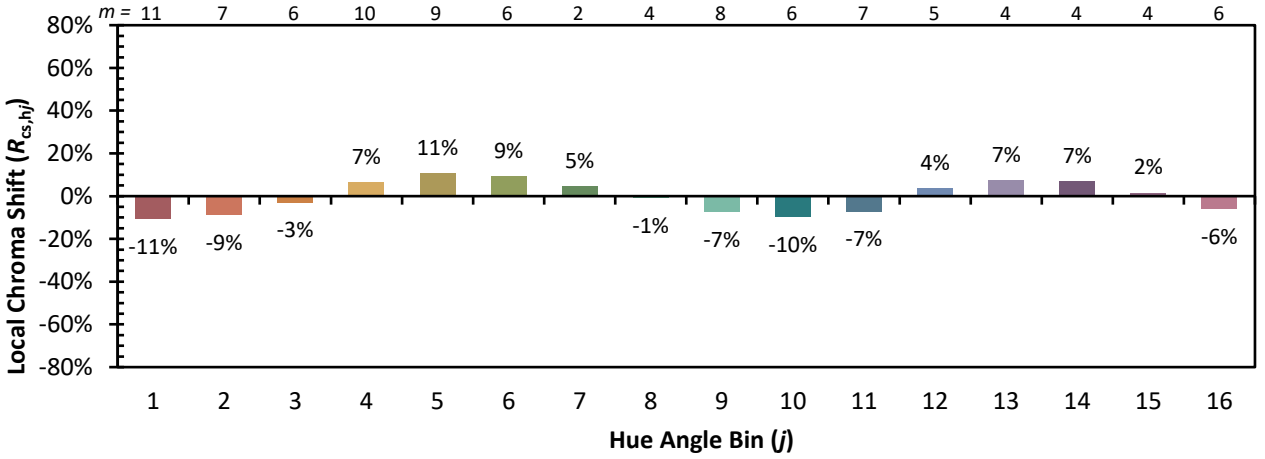
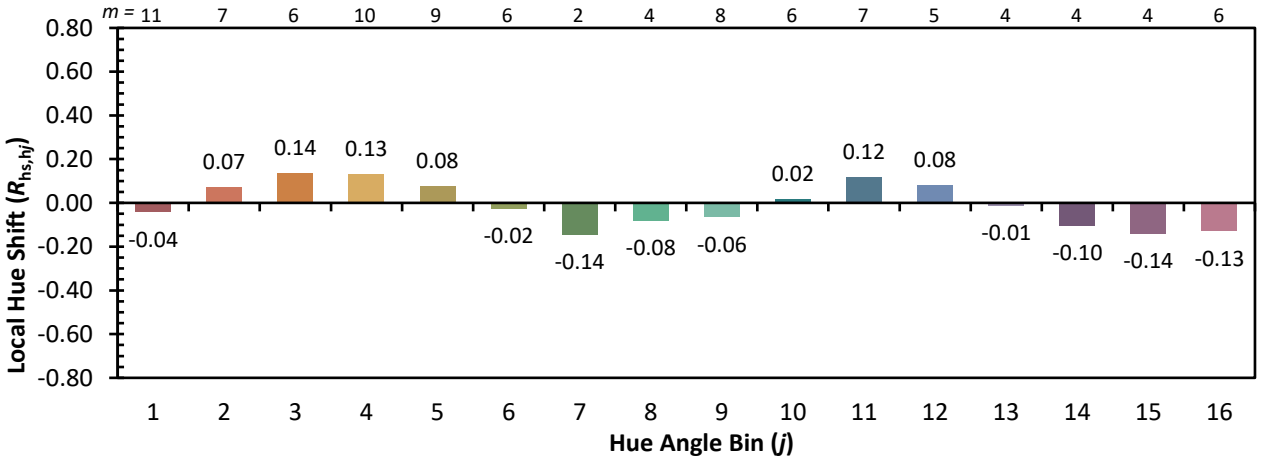
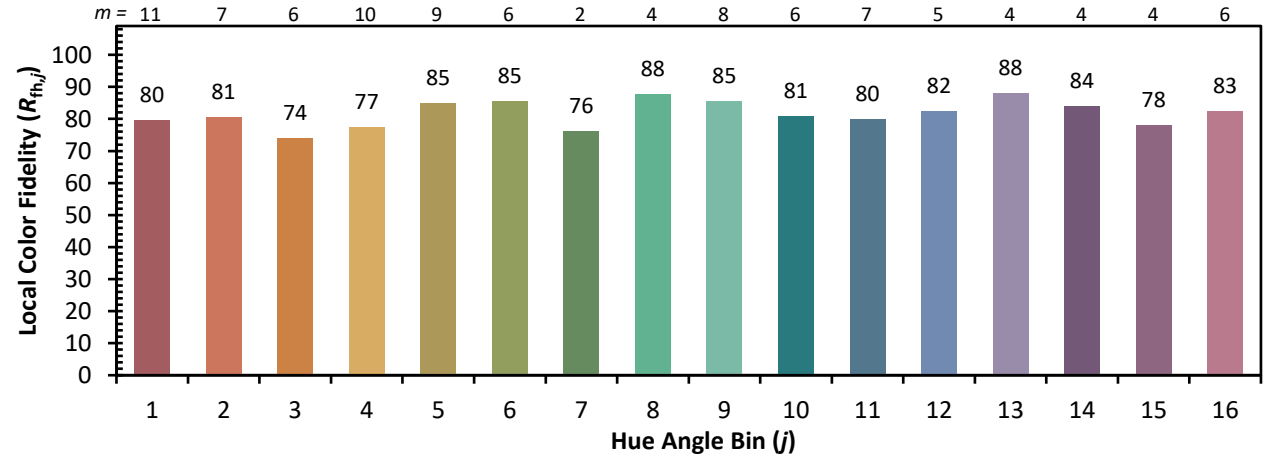
Color Rendition by Hue-Angle Bin







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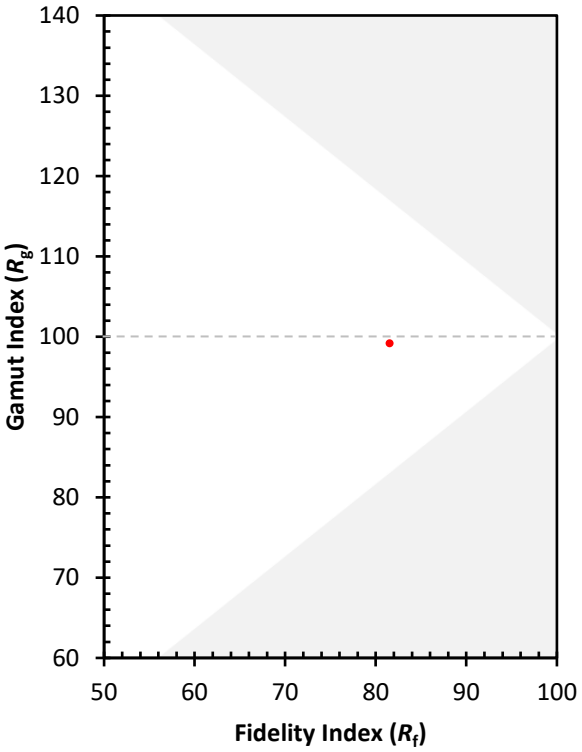
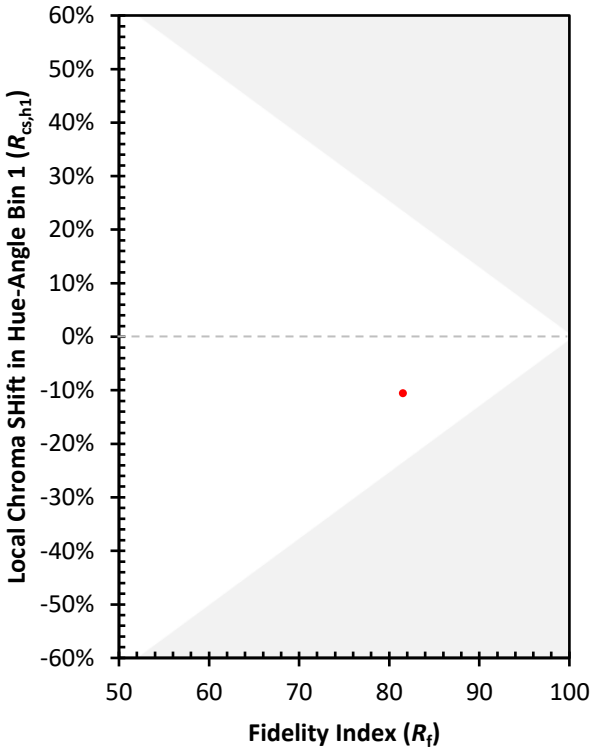
Measure Comparisons





(END OF REPORT)