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: P630061

Luminaire Tested: GWS-SA1C-830-U-SL3-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:	P630061
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA1C-830-U-SL3-W
Description:	GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	(16) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3741.2 lumens
Efficiency:	N/A
Efficacy:	109.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
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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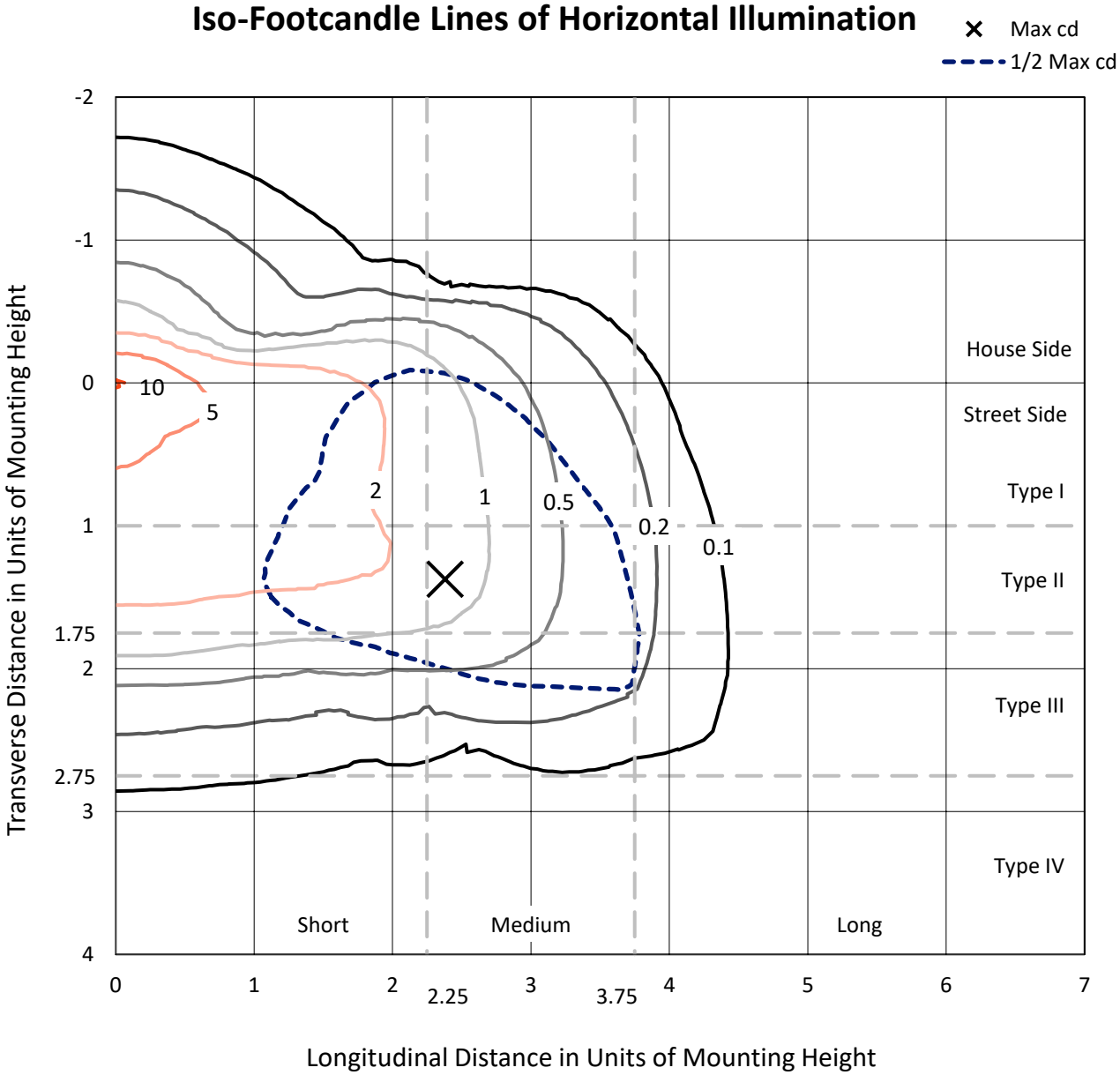
REPORT NUMBER: P630061
CATALOG NUMBER: GWS-SA1C-830-U-SL3-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
Type III - Medium - N/A

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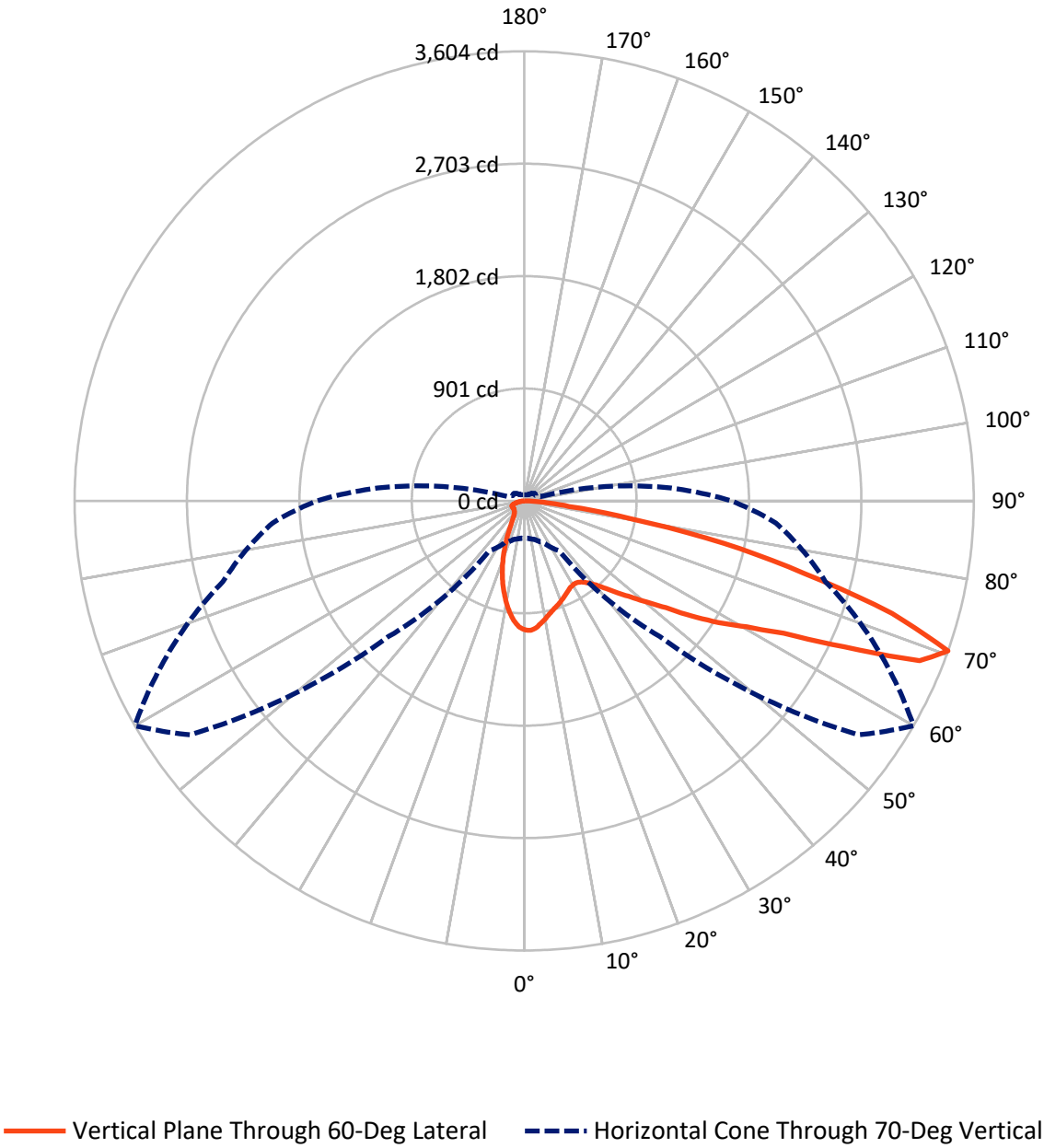
Luminous Intensity Polar Plot



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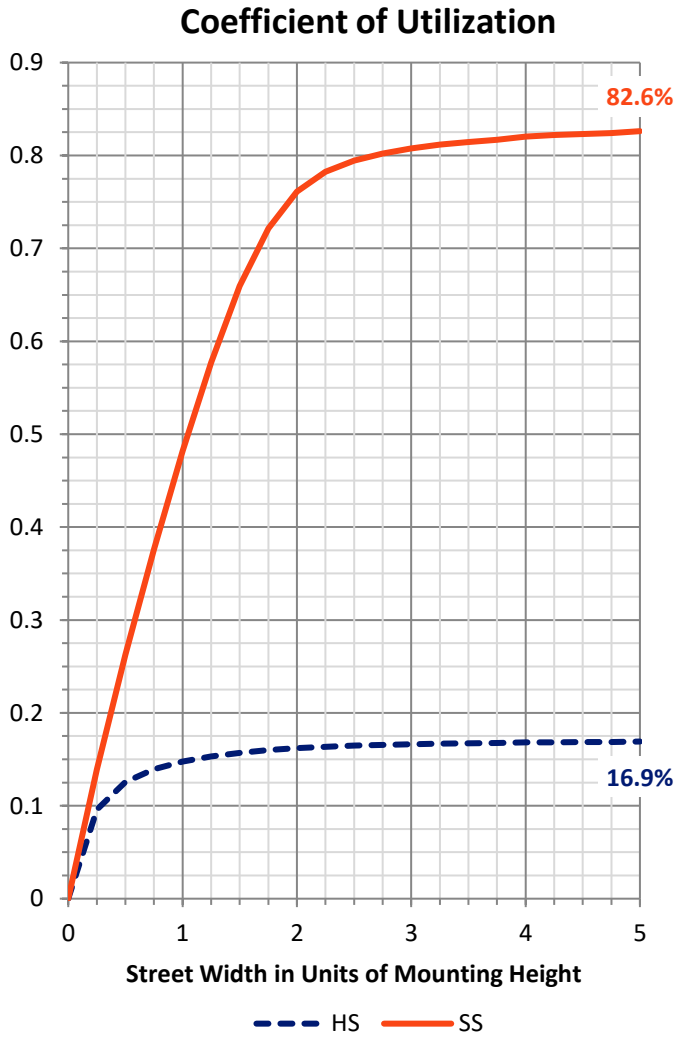
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	639.8	0.0	639.8
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	3101.4	0.0	3101.4
	% Fixture	82.9	0.0	82.9
Total	Lumens	3741.2	0.0	3741.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.2	2.4
10°-20°	199.9	5.3
20°-30°	256.0	6.8
30°-40°	336.5	9.0
40°-50°	488.2	13.0
50°-60°	761.6	20.4
60°-70°	997.2	26.7
70°-80°	551.4	14.7
80°-90°	61.2	1.6
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°	3741.2	100.0
0°-180°	3741.2	100.0



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REPORT NUMBER: P630061
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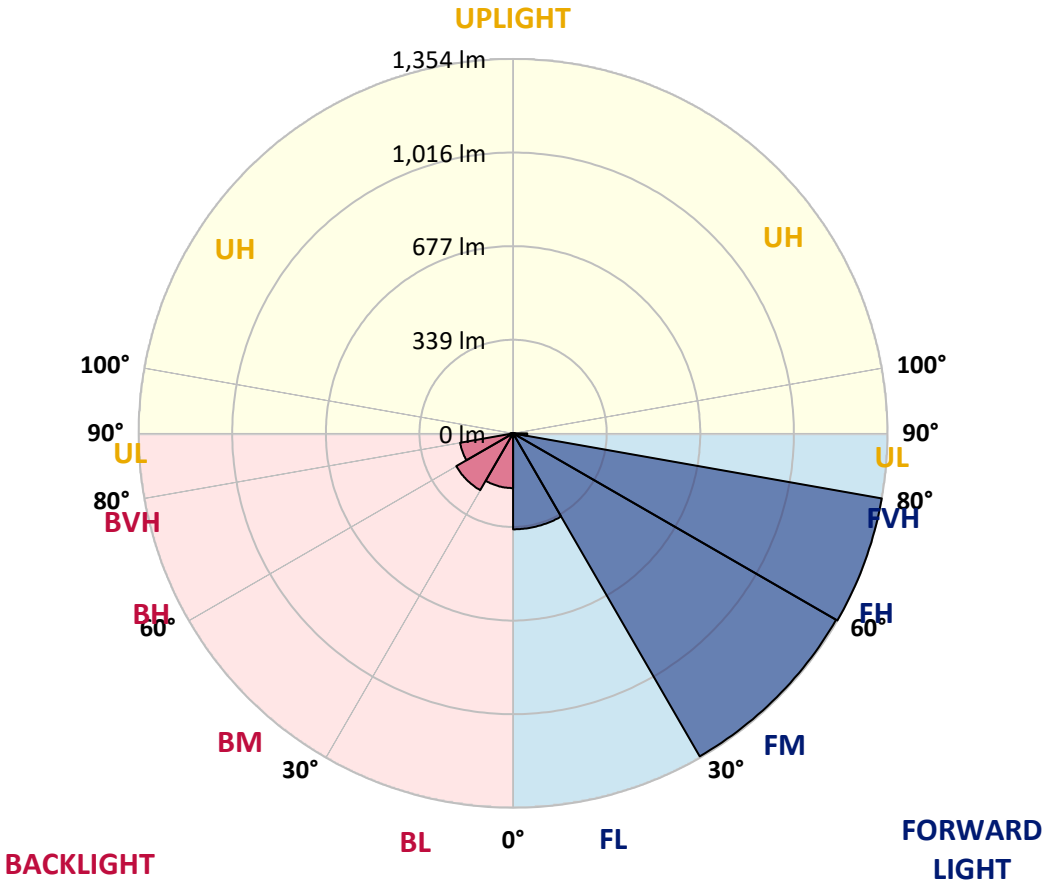
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	347.2	9.3			
FM	(30°-60°)	1349.1	36.1			
FH	(60°-80°)	1354.1	36.2			G1/1800
FVH	(80°-90°)	51.0	1.4			G1/100
BL	(0°-30°)	198.0	5.3	B1/500		
BM	(30°-60°)	237.2	6.3	B1/1000		
BH	(60°-80°)	194.4	5.2	B1/500		G1/500
BVH	(80°-90°)	10.2	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type III Medium



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Scaled Data Report

REPORT NUMBER: P630061
CATALOG NUMBER: GWS-SA1C-830-U-SL3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2
2.5°	1020.7	1021.8	1024.8	1029.2	1033.6	1035.8	1041.3	1039.6	1038.5	1036.3	1033.6
5°	975.6	977.8	980.5	989.0	998.6	1006.2	1018.5	1019.9	1020.5	1021.6	1017.2
7.5°	918.1	918.6	925.2	936.4	949.0	962.2	982.7	988.4	993.4	998.8	995.3
10°	854.6	855.9	860.9	877.0	898.6	918.1	945.7	955.3	965.7	977.8	972.8
12.5°	802.6	802.8	810.8	828.0	851.6	877.8	912.3	923.8	937.5	956.4	952.0
15°	761.2	761.2	768.6	783.4	810.5	841.4	882.5	897.3	915.9	941.3	933.7
17.5°	728.4	728.7	733.3	748.9	773.0	807.2	855.9	875.9	896.5	930.1	918.6
20°	711.1	709.8	710.6	720.2	740.7	773.8	829.4	852.7	880.3	922.5	904.9
22.5°	710.3	707.9	704.3	705.1	717.2	744.5	800.9	829.1	863.9	916.2	891.0
25°	724.3	721.5	715.3	708.1	707.0	723.5	774.1	806.1	846.9	913.4	877.6
27.5°	747.8	745.9	737.7	727.0	715.8	715.3	753.8	787.2	834.6	916.2	868.0
30°	779.0	775.7	770.5	756.9	739.9	722.4	745.9	777.1	826.4	924.9	863.9
32.5°	814.3	812.4	807.5	793.8	775.7	747.8	752.2	779.3	826.4	940.3	864.7
35°	851.8	851.6	851.6	842.5	822.6	787.8	777.1	797.9	839.0	964.9	873.5
37.5°	888.2	888.0	896.7	900.0	877.3	839.8	819.5	835.1	866.6	1001.3	895.1
40°	917.8	918.9	938.1	954.5	941.9	907.1	878.7	886.6	911.5	1053.0	932.9
42.5°	947.6	950.7	979.4	1008.4	1013.3	983.2	954.5	959.1	975.8	1121.5	989.3
45°	980.2	981.6	1021.8	1062.3	1086.2	1068.4	1044.8	1051.1	1054.9	1206.0	1073.3
47.5°	1011.7	1015.3	1067.3	1122.8	1168.0	1166.4	1153.2	1151.3	1152.1	1309.0	1172.6
50°	1054.7	1059.9	1120.9	1188.0	1254.2	1284.6	1288.4	1273.9	1267.9	1423.4	1296.4
52.5°	1136.2	1136.2	1191.0	1257.0	1345.9	1421.2	1446.9	1423.1	1403.9	1544.4	1427.8
55°	1238.3	1242.7	1286.2	1339.6	1452.4	1564.9	1651.9	1625.7	1571.5	1676.0	1565.4
57.5°	1283.8	1289.3	1358.2	1441.2	1591.7	1728.3	1849.0	1839.7	1760.6	1812.9	1708.3
60°	1201.7	1213.2	1308.1	1447.2	1717.9	1991.9	2077.0	2049.9	1936.9	1956.6	1863.3
62.5°	1002.4	1015.0	1120.4	1314.4	1700.4	2276.9	2436.5	2336.5	2157.0	2138.1	2069.7
65°	598.1	597.5	724.3	981.6	1484.4	2356.0	3005.3	2818.8	2496.9	2387.2	2282.1
67.5°	380.2	379.4	405.9	520.1	987.9	2162.2	3371.0	3419.4	2958.7	2570.3	2299.6
70°	300.0	299.7	318.9	370.9	488.6	1538.6	3269.1	3604.4	3237.7	2500.5	2024.8
72.5°	218.7	219.3	248.8	310.7	376.9	772.5	2647.2	3084.1	2977.9	2207.3	1643.7
75°	157.1	157.9	175.7	237.9	347.6	422.4	1760.3	2319.0	2265.6	1769.4	1130.8
77.5°	99.9	101.0	116.6	166.7	280.8	341.1	1067.3	1637.2	1507.4	996.9	402.1
80°	61.0	64.6	77.7	124.3	224.5	255.9	533.5	862.5	754.9	273.5	135.2
82.5°	31.5	34.2	46.8	76.9	154.7	224.7	301.9	362.4	233.8	114.4	72.0
85°	9.9	11.5	16.4	31.2	73.6	139.3	199.8	180.1	107.3	53.9	33.4
87.5°	2.5	2.5	2.7	2.7	3.0	6.3	38.6	40.8	28.5	17.0	13.7
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: P630061
CATALOG NUMBER: GWS-SA1C-830-U-SL3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2	1035.2
2.5°	1028.1	1021.6	1018.8	1018.5	1011.7	1001.8	995.3	990.6	987.9	987.3	987.3
5°	1009.8	1001.3	990.1	981.6	963.2	944.6	929.0	920.3	910.1	908.8	908.5
7.5°	985.4	973.1	951.8	927.9	895.9	865.0	838.7	820.9	803.1	799.8	798.7
10°	959.1	942.4	906.0	864.2	816.3	770.0	729.8	698.3	677.5	662.7	660.0
12.5°	933.1	911.0	857.6	795.2	729.5	666.3	605.8	554.3	517.1	495.4	491.6
15°	908.8	877.8	804.8	725.1	639.7	553.2	467.5	400.7	348.5	329.8	325.5
17.5°	886.6	848.0	753.6	652.6	546.1	433.0	335.6	276.2	245.5	236.2	234.0
20°	864.4	817.4	701.6	576.2	446.7	320.0	245.3	217.3	205.8	202.3	201.2
22.5°	840.6	783.7	644.9	500.9	346.3	239.5	200.6	188.3	184.8	185.0	184.8
25°	816.8	749.5	585.5	419.1	257.9	194.3	175.2	170.5	171.4	173.8	174.4
27.5°	797.1	719.1	527.2	329.3	201.5	167.2	158.2	157.9	161.0	164.2	164.8
30°	782.9	692.0	469.7	253.2	165.9	148.6	145.1	146.7	150.3	152.7	153.6
32.5°	772.7	668.7	408.4	199.0	145.3	135.5	133.9	135.5	137.7	140.1	140.7
35°	769.2	651.7	348.2	162.3	131.4	125.9	124.8	125.6	126.7	128.1	128.7
37.5°	777.1	643.3	285.2	141.2	122.9	119.6	118.0	117.4	117.7	118.3	118.5
40°	800.7	647.1	233.8	128.9	117.4	114.4	111.7	110.6	110.3	110.9	110.6
42.5°	841.2	663.2	196.5	121.8	113.0	108.7	105.7	104.6	104.6	105.9	105.9
45°	900.6	695.0	169.7	116.6	109.2	103.7	100.5	99.9	101.0	103.2	103.5
47.5°	987.6	741.5	153.6	112.8	105.7	99.4	96.1	95.8	98.0	101.6	101.8
50°	1090.8	808.6	144.8	110.0	103.2	95.8	92.5	92.8	95.3	99.1	99.9
52.5°	1215.1	900.0	145.3	108.9	101.8	93.6	90.3	89.8	92.2	96.1	96.9
55°	1343.5	1011.2	156.0	109.2	99.9	92.5	88.1	86.2	88.4	91.2	91.4
57.5°	1484.7	1136.5	182.6	108.7	97.4	91.4	86.2	81.8	83.2	84.9	85.7
60°	1644.0	1284.1	239.8	109.8	96.4	89.0	82.4	76.6	76.4	77.5	77.7
62.5°	1857.0	1484.7	304.1	111.7	98.8	86.0	76.6	70.6	69.5	70.1	70.3
65°	2019.8	1580.5	283.9	110.0	104.0	83.8	71.2	64.9	62.7	62.1	62.1
67.5°	1953.6	1453.8	197.6	105.7	106.5	84.0	66.8	58.9	56.1	54.7	54.5
70°	*1662.3*	*1180.9*	*137.4*	*101.3*	*103.7*	*83.5*	*62.1*	*53.9*	*50.4*	*48.4*	*48.2*
72.5°	1313.3	901.7	111.1	92.5	94.2	75.3	55.3	48.4	45.4	43.0	43.0
75°	845.3	550.2	92.8	82.4	76.9	58.6	47.9	43.2	40.2	37.8	37.8
77.5°	284.4	204.2	72.0	69.8	57.5	44.1	40.2	37.2	34.8	32.6	32.3
80°	115.5	96.9	52.8	52.8	40.2	33.7	31.5	30.1	28.5	25.7	25.7
82.5°	67.1	58.9	37.0	32.0	26.8	23.3	21.9	20.5	20.5	18.6	18.6
85°	32.3	32.6	22.2	19.7	15.3	13.4	12.9	12.0	11.8	10.7	10.4
87.5°	17.5	17.8	11.2	8.8	6.0	5.2	4.4	4.1	3.8	3.6	3.6
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

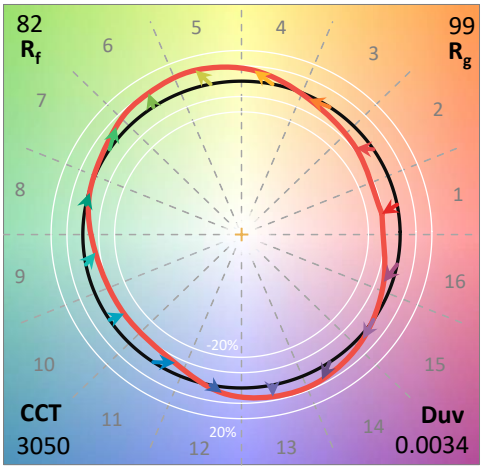
Test Information

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

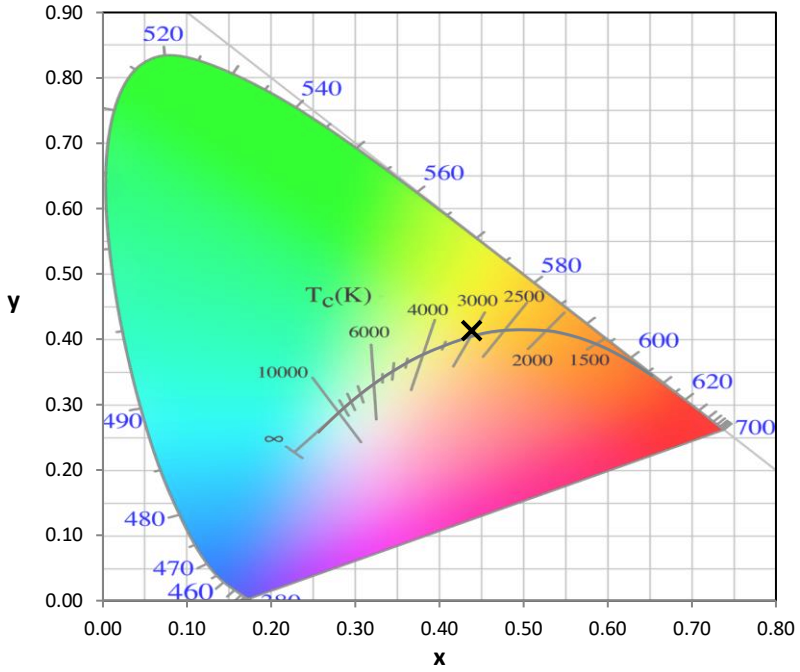
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

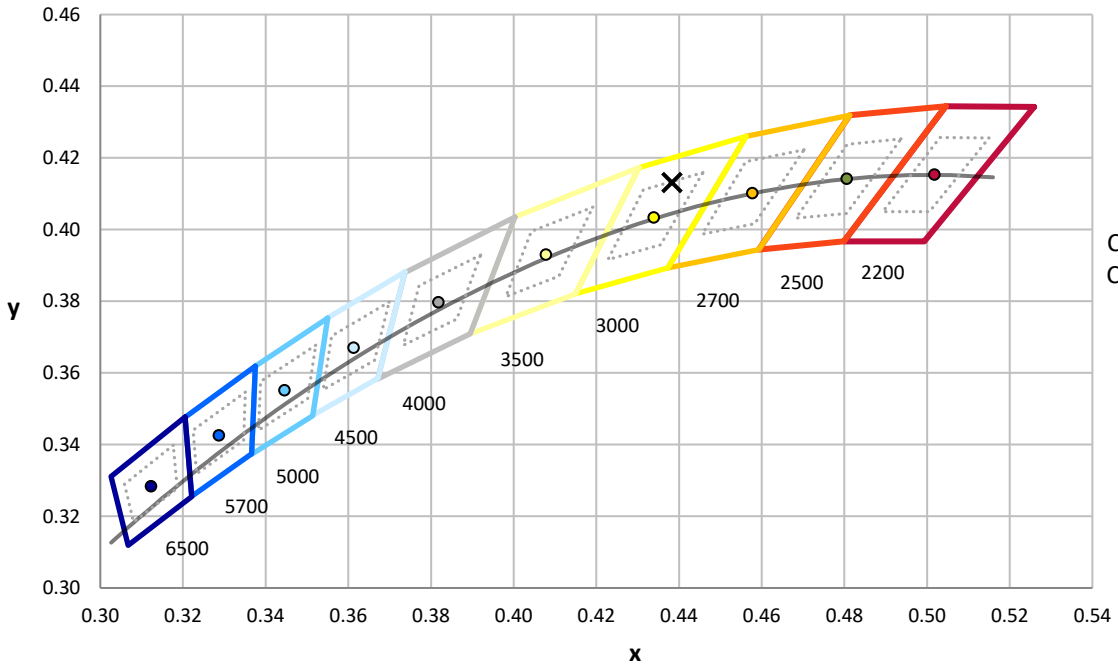
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

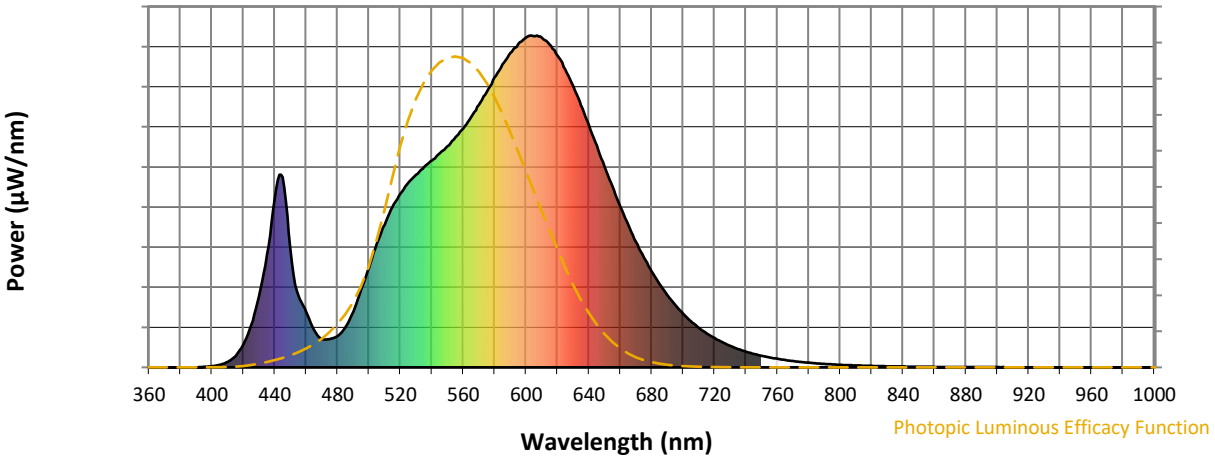


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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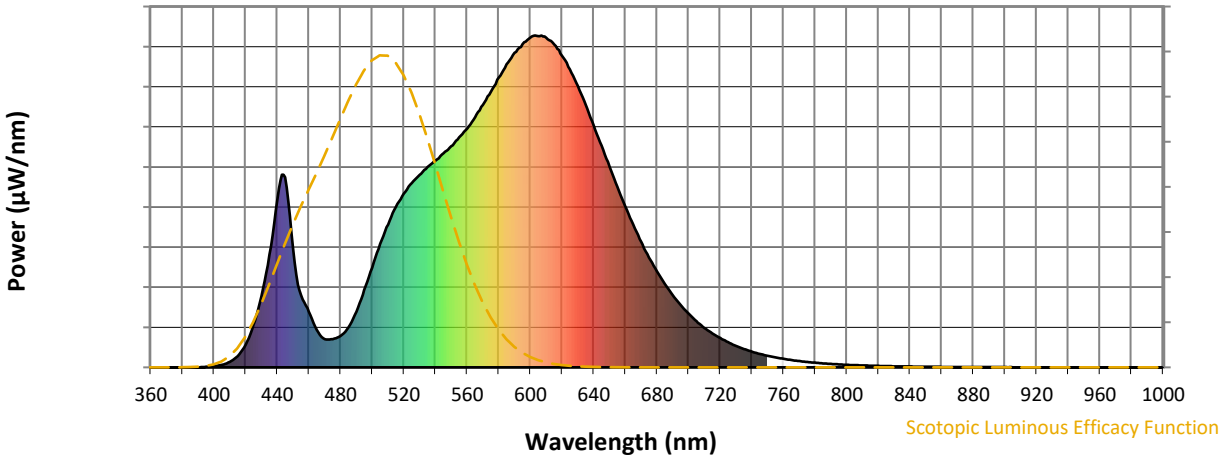
Scotopic Flux vs. Wavelength



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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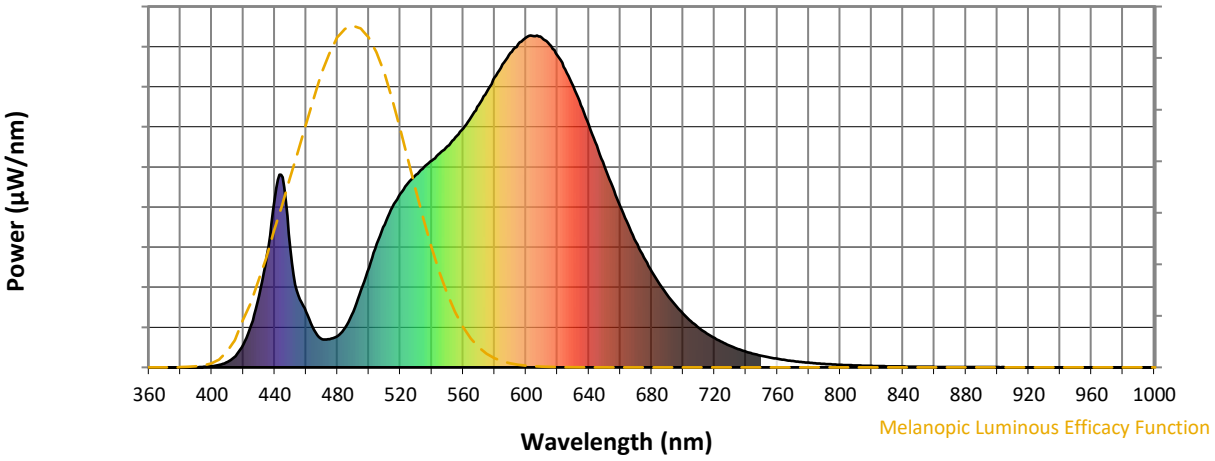
Melanopic Flux vs. Wavelength



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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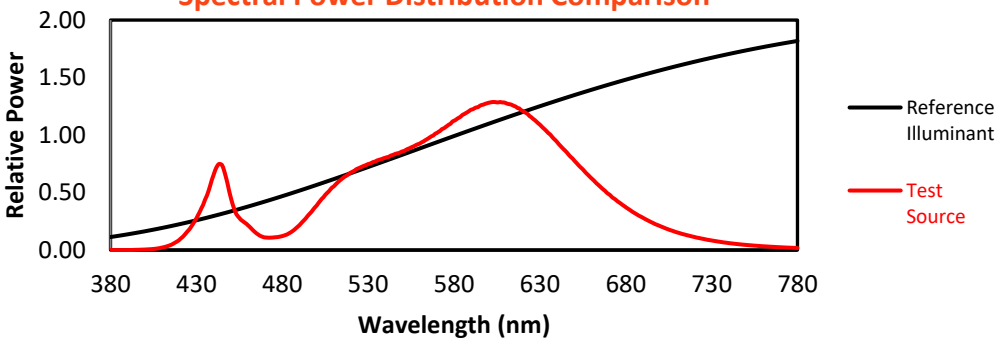
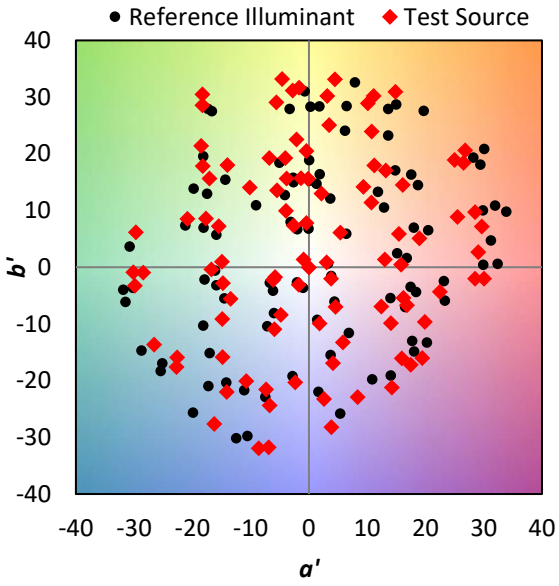
Summary

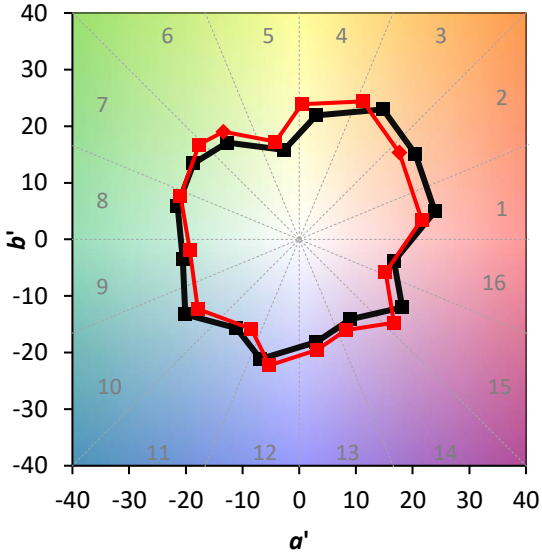
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

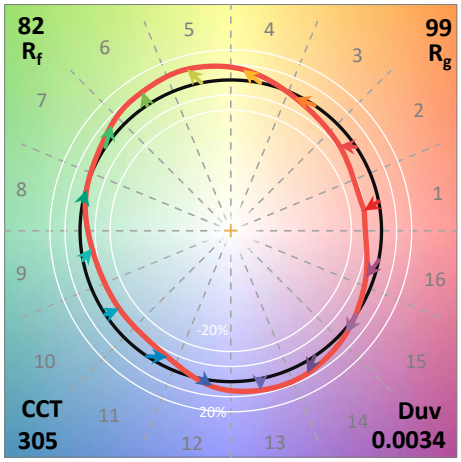
Spectral Power Distribution Comparison

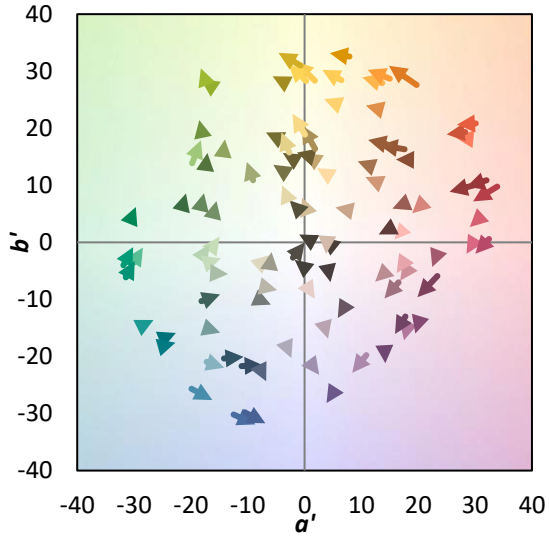


Color Vector Graphics









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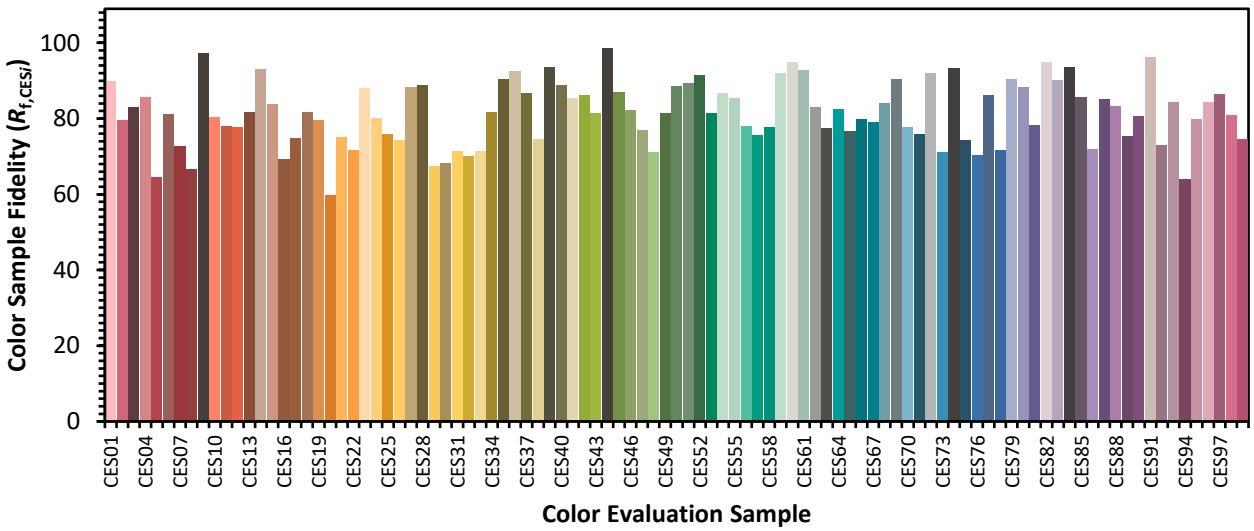
Individual Sample Fidelity Index ($R_{f,i}$)

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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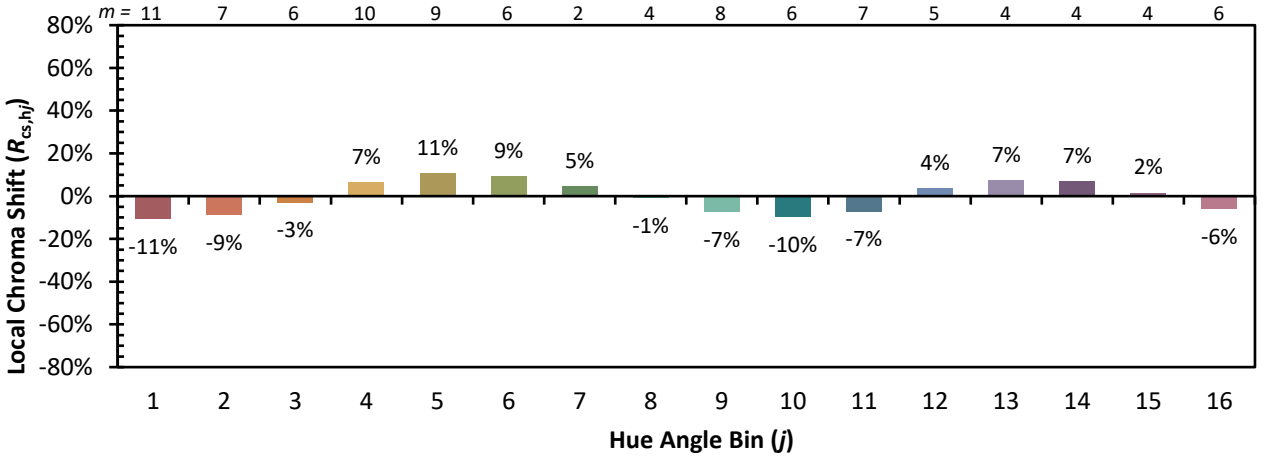
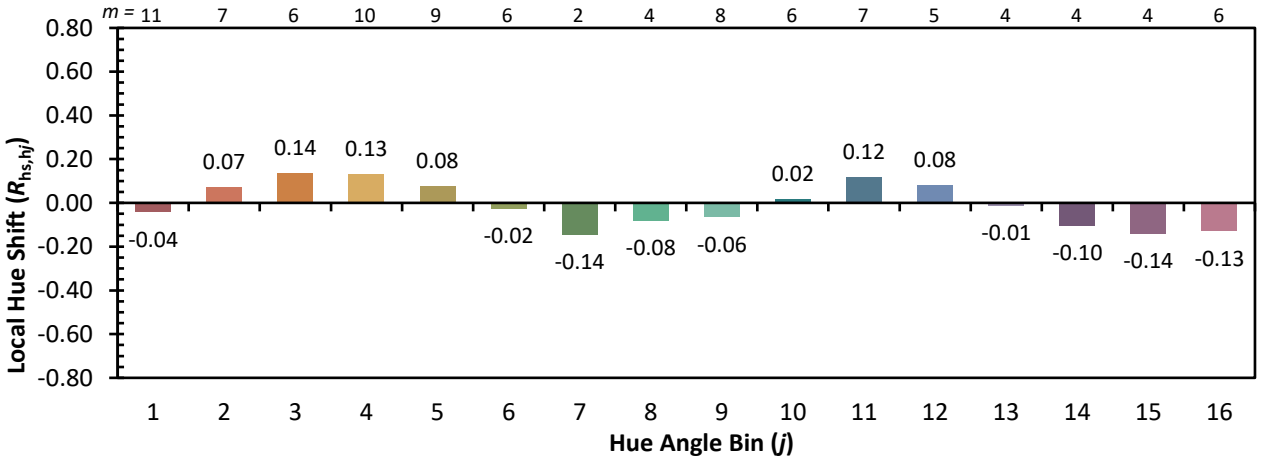
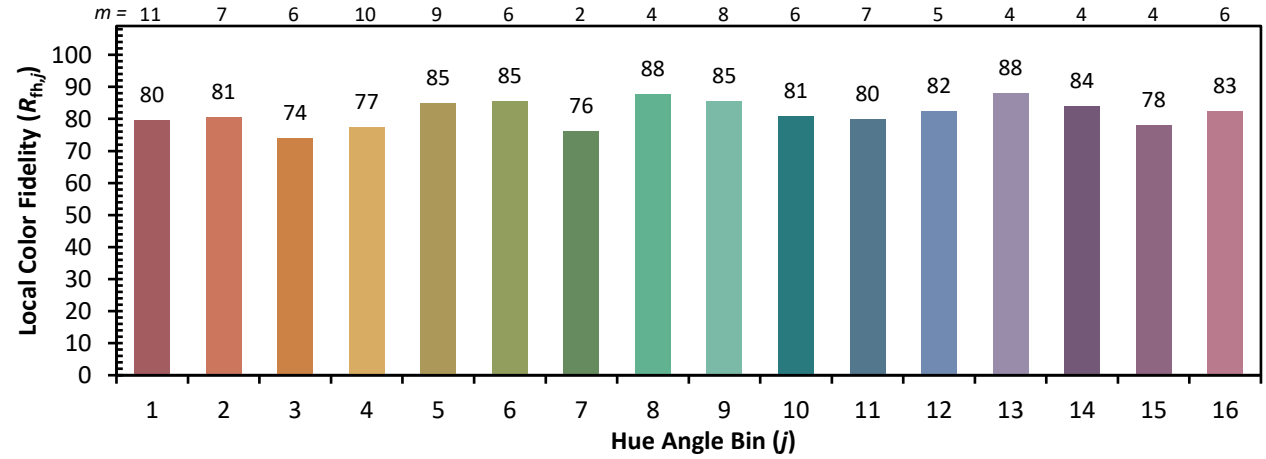
Color Rendition by Hue-Angle Bin







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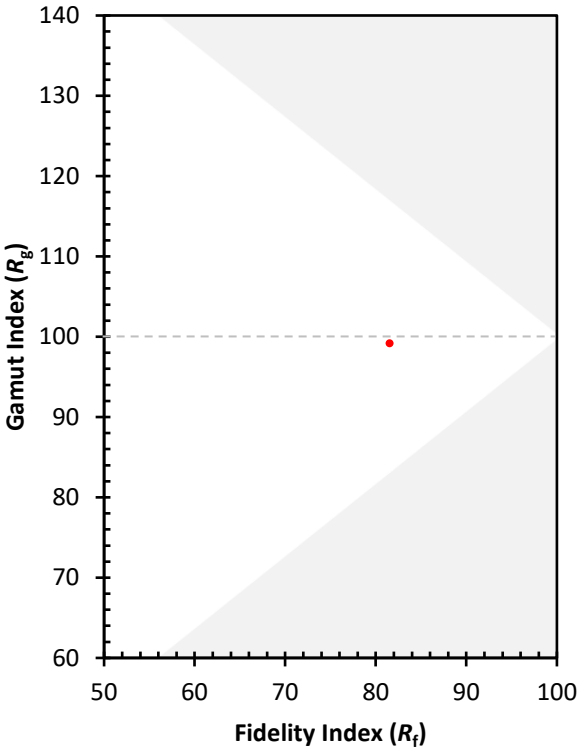
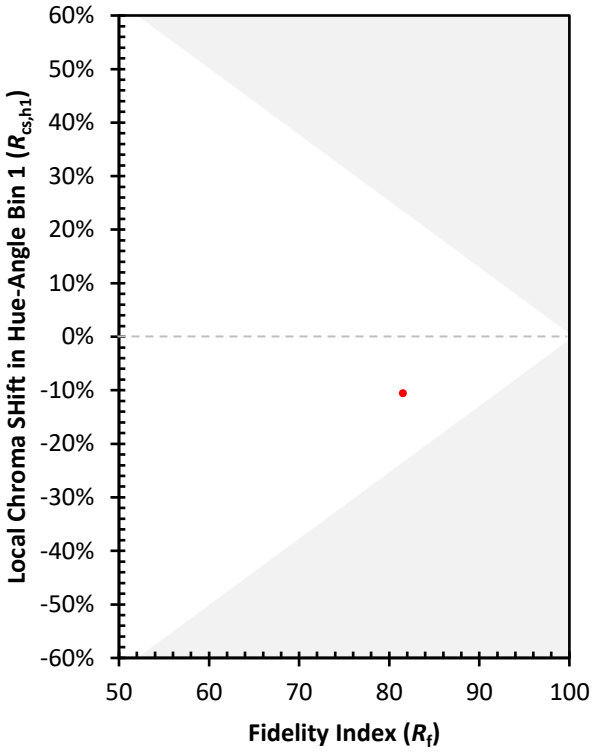
Measure Comparisons





(END OF REPORT)