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: P630076

Luminaire Tested: GWS-SA1C-830-U-T2-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:	P630076
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA1C-830-U-T2-W
Description:	GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source:	(16) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3788.3 lumens
Efficiency:	N/A
Efficacy:	111.1 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - 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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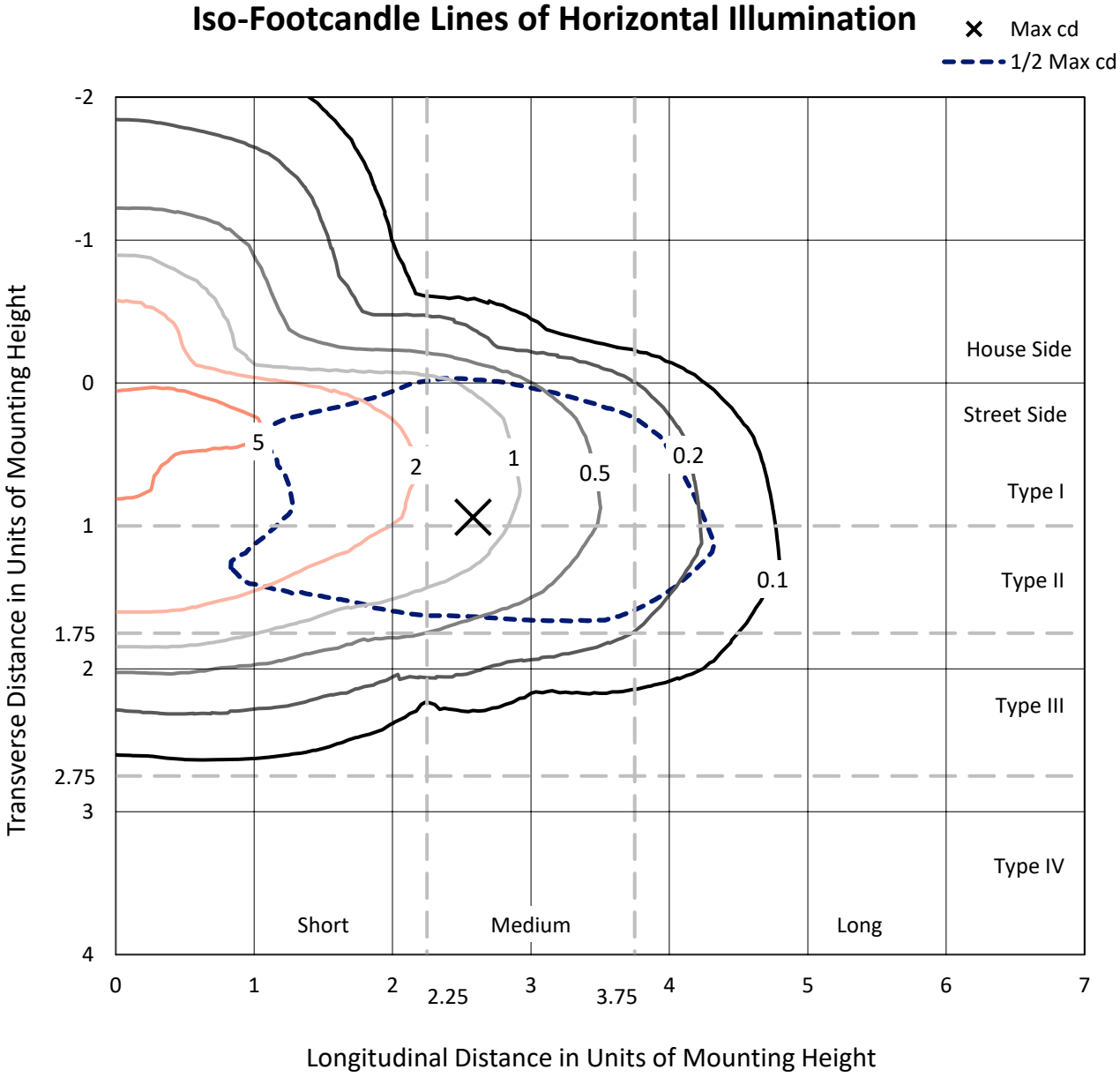
Scaled Data Report

REPORT NUMBER: P630076
CATALOG NUMBER: GWS-SA1C-830-U-T2-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
Type II - Medium - N/A

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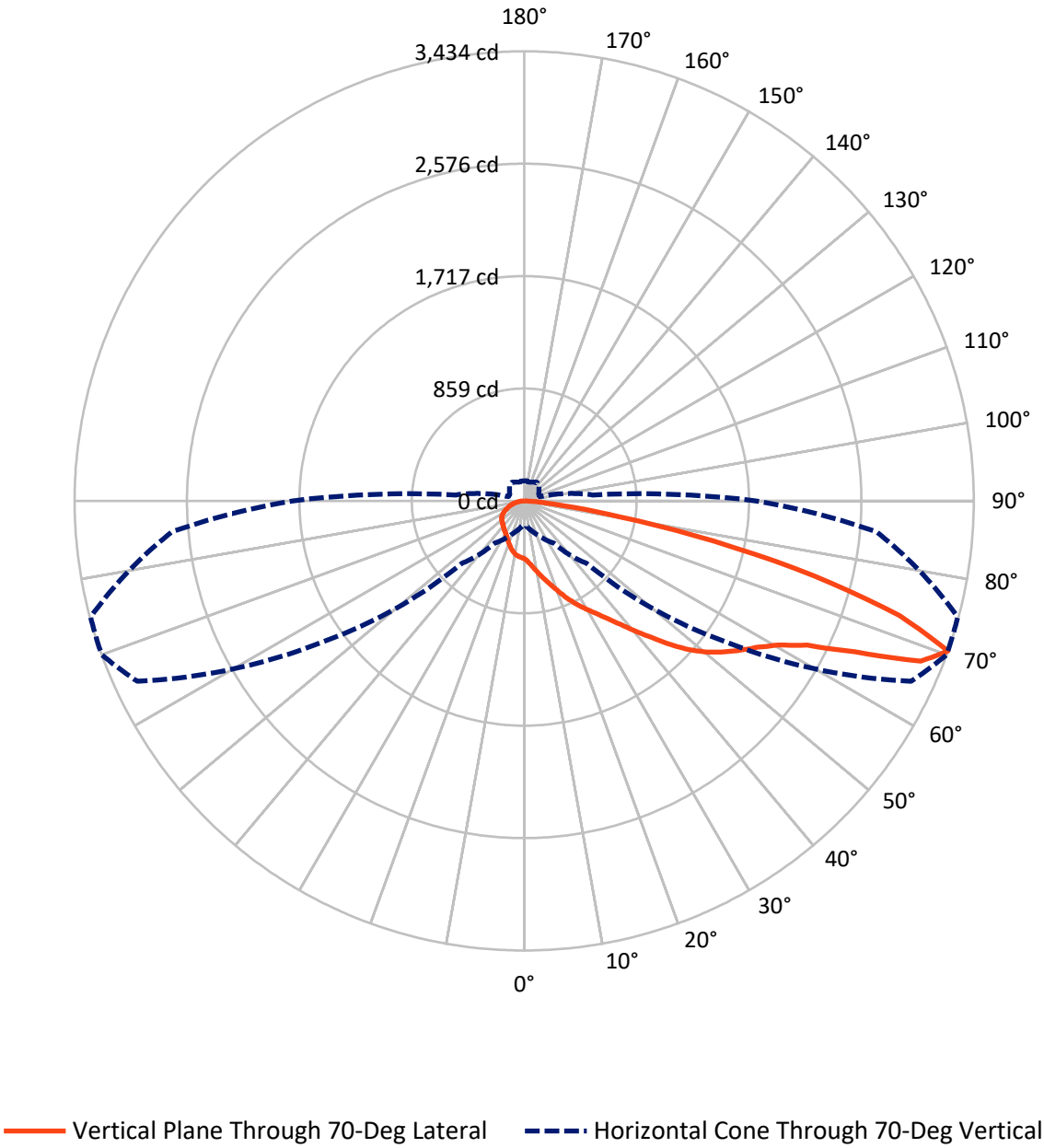
Luminous Intensity Polar Plot



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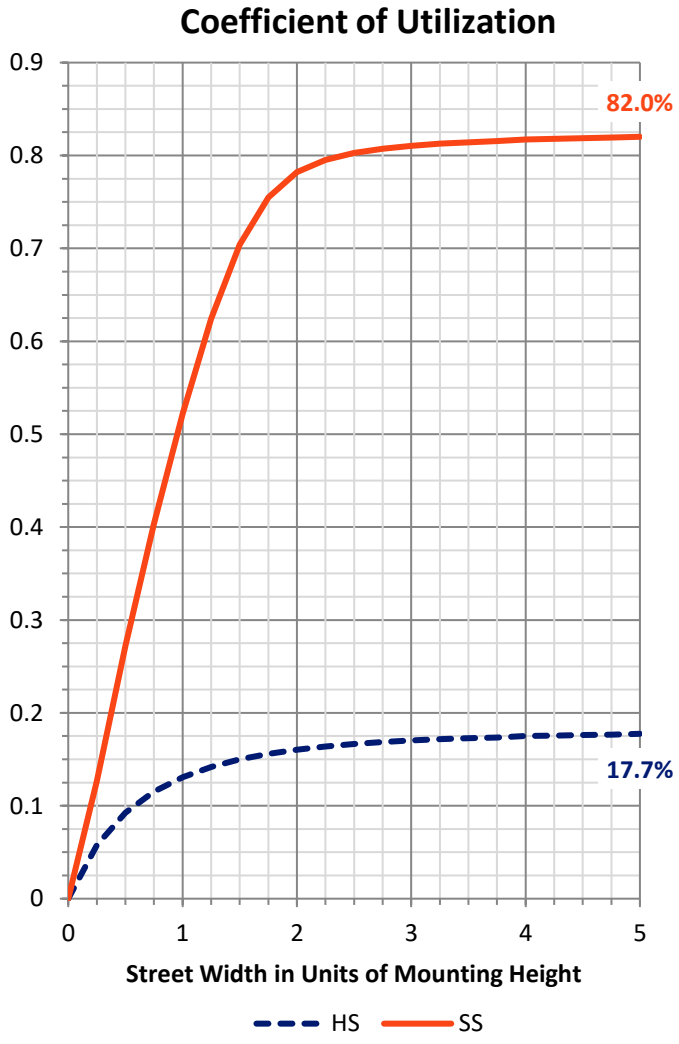
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	678.9	0.0	678.9
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	3109.4	0.0	3109.4
	% Fixture	82.1	0.0	82.1
Total	Lumens	3788.3	0.0	3788.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.9	1.2
10°-20°	146.1	3.9
20°-30°	258.8	6.8
30°-40°	389.5	10.3
40°-50°	589.2	15.6
50°-60°	844.1	22.3
60°-70°	933.0	24.6
70°-80°	526.5	13.9
80°-90°	56.3	1.5
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°	3788.3	100.0
0°-180°	3788.3	100.0



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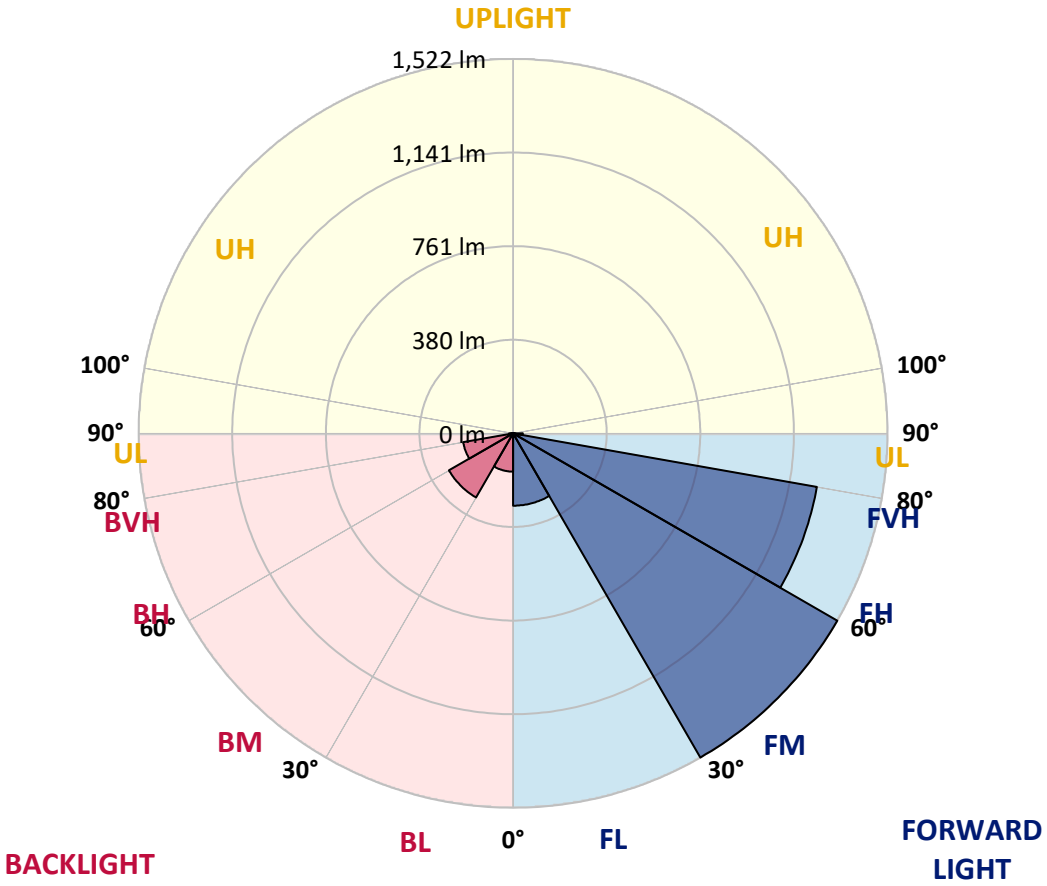
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	294.1	7.8			
FM	(30°-60°)	1521.8	40.2			
FH	(60°-80°)	1253.8	33.1			G1/1800
FVH	(80°-90°)	39.8	1.1			G1/100
BL	(0°-30°)	155.7	4.1	B1/500		
BM	(30°-60°)	300.9	7.9	B1/1000		
BH	(60°-80°)	205.8	5.4	B1/500		G1/500
BVH	(80°-90°)	16.5	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type II Medium



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Scaled Data Report

REPORT NUMBER: P630076
CATALOG NUMBER: GWS-SA1C-830-U-T2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8	*441.8*	441.8	441.8
2.5°	489.4	488.6	489.1	488.6	485.6	478.2	472.2	464.5	*459.3*	456.3	449.2
5°	546.9	546.1	544.2	541.4	536.0	525.8	510.8	494.1	*483.9*	476.3	461.2
7.5°	588.2	588.2	588.0	584.7	580.8	570.2	552.4	530.5	*515.7*	502.6	477.9
10°	609.3	610.7	612.6	617.3	616.4	610.7	594.0	570.4	*551.8*	536.5	499.8
12.5°	620.8	621.6	624.9	634.5	644.4	645.7	635.9	611.2	*591.0*	570.4	524.2
15°	635.6	635.9	640.2	651.7	666.2	680.8	678.3	653.7	*632.9*	610.1	551.3
17.5°	647.1	649.0	656.9	670.4	688.4	708.4	720.4	705.1	*679.4*	653.4	580.8
20°	651.2	652.6	663.0	683.5	708.1	736.3	763.1	759.0	*733.0*	702.4	614.2
22.5°	666.0	666.0	673.6	690.9	719.9	761.0	804.5	815.2	*792.2*	756.3	650.1
25°	698.5	697.5	701.0	708.1	730.0	780.7	845.3	877.3	*851.6*	811.3	686.0
27.5°	743.2	742.6	742.3	743.4	750.8	797.9	879.8	935.3	*909.6*	864.2	718.0
30°	791.6	790.0	793.5	790.2	788.6	818.4	909.0	987.3	*967.3*	916.4	744.5
32.5°	857.6	854.6	853.8	843.1	836.5	850.5	932.6	1046.5	*1030.6*	972.8	774.4
35°	944.6	941.9	927.9	911.0	891.5	898.1	961.9	1104.2	*1105.3*	1043.4	813.5
37.5°	1032.5	1033.0	1022.1	982.1	962.1	958.3	1006.5	1174.6	*1198.1*	1127.8	864.2
40°	1105.6	1108.9	1108.9	1066.7	1036.9	1033.3	1069.2	1258.0	*1304.9*	1231.2	928.2
42.5°	1161.1	1164.2	1173.7	1143.4	1111.9	1124.2	1145.3	1341.8	*1425.8*	1359.1	1009.2
45°	1222.2	1224.7	1229.9	1212.3	1194.0	1226.8	1231.5	1442.0	*1564.3*	1502.5	1103.4
47.5°	1303.2	1301.0	1301.6	1288.7	1274.5	1327.6	1326.5	1526.3	*1698.2*	1659.6	1205.5
50°	1403.9	1408.0	1404.2	1378.8	1362.1	1410.5	1416.8	1619.6	*1815.9*	1815.1	1308.4
52.5°	1500.8	1502.5	1522.7	1523.8	1489.6	1479.5	1495.9	1713.8	*1915.3*	1957.4	1407.2
55°	1505.8	1512.1	1572.8	1616.6	1671.9	1590.6	1575.8	1803.6	*2011.3*	2096.7	1509.9
57.5°	1400.9	1411.1	1514.3	1608.7	1762.5	1781.4	1712.7	1919.6	*2107.4*	2233.9	1628.7
60°	1177.0	1198.1	1338.2	1482.8	1721.7	1918.5	1992.7	2077.3	*2233.6*	2374.0	1772.9
62.5°	751.7	759.9	956.4	1198.4	1538.1	1905.1	2297.7	2355.1	*2425.8*	2556.6	1995.2
65°	376.4	402.7	517.9	715.2	1109.1	1678.8	2451.8	2864.0	*2777.5*	2869.2	2355.4
67.5°	255.4	263.9	322.2	429.8	650.4	1189.3	2356.2	3292.7	*3267.2*	3282.3	2739.5
70°	*188.3*	*193.8*	*239.8*	*304.4*	*393.3*	*675.3*	*1875.8*	*3260.4*	*3434.2*	*3428.7*	*2699.2*
72.5°	137.4	140.1	174.9	232.4	291.5	349.3	1145.5	2633.8	*2997.9*	3155.8	2360.6
75°	99.9	103.2	121.5	173.8	226.6	217.9	565.5	1902.4	*2286.2*	2590.0	1923.2
77.5°	74.5	78.6	87.0	108.9	158.8	156.0	244.4	1235.3	*1478.7*	1691.6	1168.3
80°	53.7	54.5	59.4	69.8	100.7	91.4	116.3	644.1	*738.5*	809.1	457.9
82.5°	32.6	33.4	39.7	43.0	62.4	57.5	60.5	208.6	*298.9*	317.2	171.1
85°	9.6	10.1	18.1	19.7	26.0	24.6	24.4	84.9	*101.3*	129.5	67.3
87.5°	0.0	0.0	0.0	0.0	0.3	1.6	3.0	15.1	*22.7*	31.5	16.4
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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Scaled Data Report

REPORT NUMBER: P630076
CATALOG NUMBER: GWS-SA1C-830-U-T2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8	441.8
2.5°	446.4	440.2	436.9	431.1	427.0	422.9	418.8	415.0	413.3	410.9	411.4
5°	454.4	444.5	434.7	423.5	413.9	405.9	398.8	392.5	389.8	387.3	388.4
7.5°	466.4	451.6	432.8	412.2	397.2	386.2	378.8	374.5	373.1	371.2	371.2
10°	481.8	459.6	426.5	397.2	379.1	370.4	367.1	366.8	368.2	368.4	367.9
12.5°	498.7	467.3	417.2	379.4	364.1	361.3	363.8	368.4	373.1	375.6	375.0
15°	516.2	472.2	401.3	362.4	353.1	356.7	364.6	373.9	382.9	387.6	387.3
17.5°	532.7	473.3	380.8	346.0	343.5	352.6	366.2	380.8	393.1	399.6	399.9
20°	551.0	471.4	359.7	331.2	333.9	348.7	366.8	384.3	398.8	405.4	407.0
22.5°	567.7	464.8	339.1	317.2	325.7	344.1	362.4	378.8	391.7	398.0	400.2
25°	582.8	452.2	316.7	305.5	319.4	337.5	351.5	363.0	372.0	375.8	378.8
27.5°	591.0	433.3	299.7	296.2	313.4	328.2	335.9	339.4	342.4	341.3	343.5
30°	592.6	409.8	284.9	288.8	304.4	315.3	317.0	313.4	308.2	299.7	301.6
32.5°	591.0	382.7	272.6	280.8	294.3	300.8	298.6	289.3	276.7	263.6	264.4
35°	591.5	355.3	262.5	272.1	282.5	286.0	280.6	267.7	254.3	242.2	241.7
37.5°	597.5	332.3	254.0	263.6	271.0	271.5	265.5	252.1	245.3	236.2	235.1
40°	614.2	315.3	246.4	255.1	259.8	259.5	252.6	243.1	247.7	244.7	243.9
42.5°	641.6	304.9	240.1	246.1	249.4	249.9	244.4	238.4	248.5	244.7	243.3
45°	685.7	304.4	235.7	237.0	242.2	246.1	242.2	235.4	239.2	220.6	217.1
47.5°	738.0	313.7	232.4	229.1	238.1	245.0	239.0	228.0	220.1	203.1	200.6
50°	800.9	332.6	229.4	220.6	232.1	240.9	234.9	219.8	207.8	198.7	197.4
52.5°	875.7	357.5	225.6	211.0	223.1	238.7	234.9	219.0	203.1	194.9	193.5
55°	953.9	386.2	221.2	199.5	213.0	239.2	236.8	213.2	199.5	195.2	194.1
57.5°	1051.1	420.7	213.2	186.1	203.9	234.3	229.1	209.9	197.1	193.5	192.4
60°	1177.3	471.9	198.2	172.4	193.5	225.6	222.3	204.5	190.5	187.5	186.7
62.5°	1377.1	558.7	179.8	159.3	181.2	207.2	212.1	194.1	182.3	182.0	181.8
65°	1702.9	663.0	158.2	147.5	168.3	192.2	198.7	183.4	173.8	176.8	176.6
67.5°	1931.1	672.0	140.4	135.2	153.3	175.7	185.3	172.4	162.0	167.8	167.5
70°	*1768.8*	*524.2*	*125.1*	*122.4*	*137.1*	*157.9*	*170.8*	*158.8*	*148.4*	*153.8*	*152.7*
72.5°	1491.8	401.8	110.6	108.9	120.7	139.3	152.2	145.1	134.1	134.1	131.7
75°	1198.9	331.5	95.3	94.4	102.4	120.4	134.9	122.9	112.8	112.2	110.6
77.5°	687.6	217.3	79.9	79.4	81.8	100.7	104.8	102.4	94.7	91.2	90.1
80°	274.0	113.0	63.0	59.4	61.9	73.9	82.7	78.6	72.0	67.6	65.1
82.5°	106.2	56.7	44.3	38.9	42.4	53.4	59.9	58.6	54.2	44.3	41.6
85°	43.2	27.6	26.6	22.4	24.6	28.7	34.5	29.8	24.6	17.5	16.7
87.5°	11.5	10.1	9.9	6.0	4.7	1.4	0.3	0.0	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

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

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

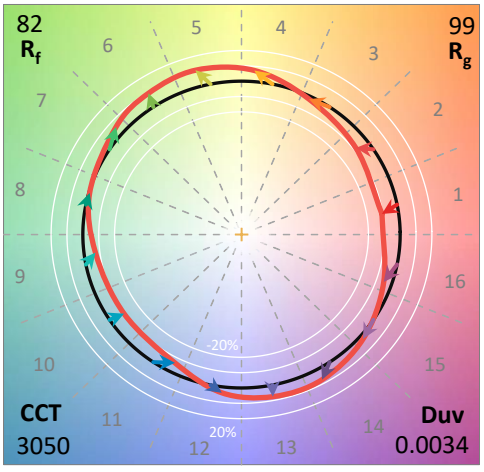
Test Information

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

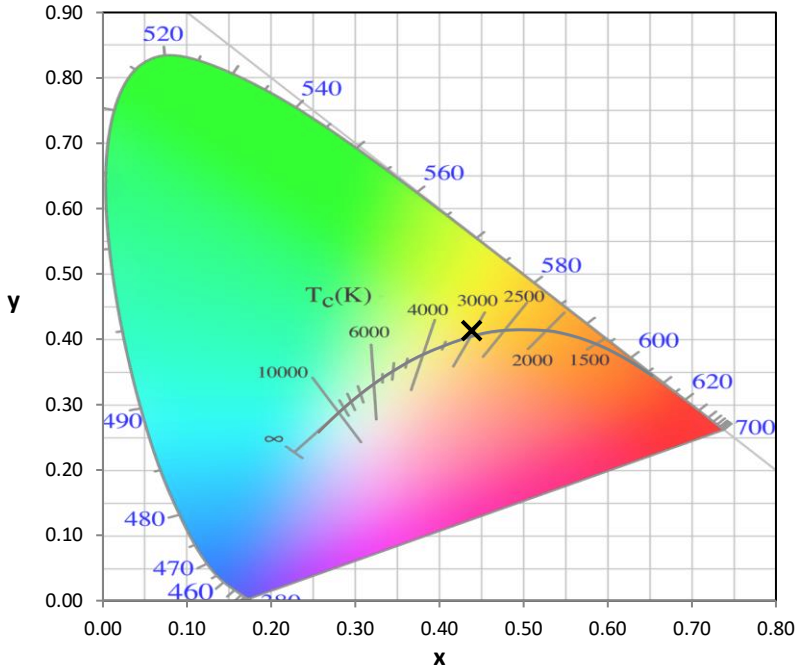
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

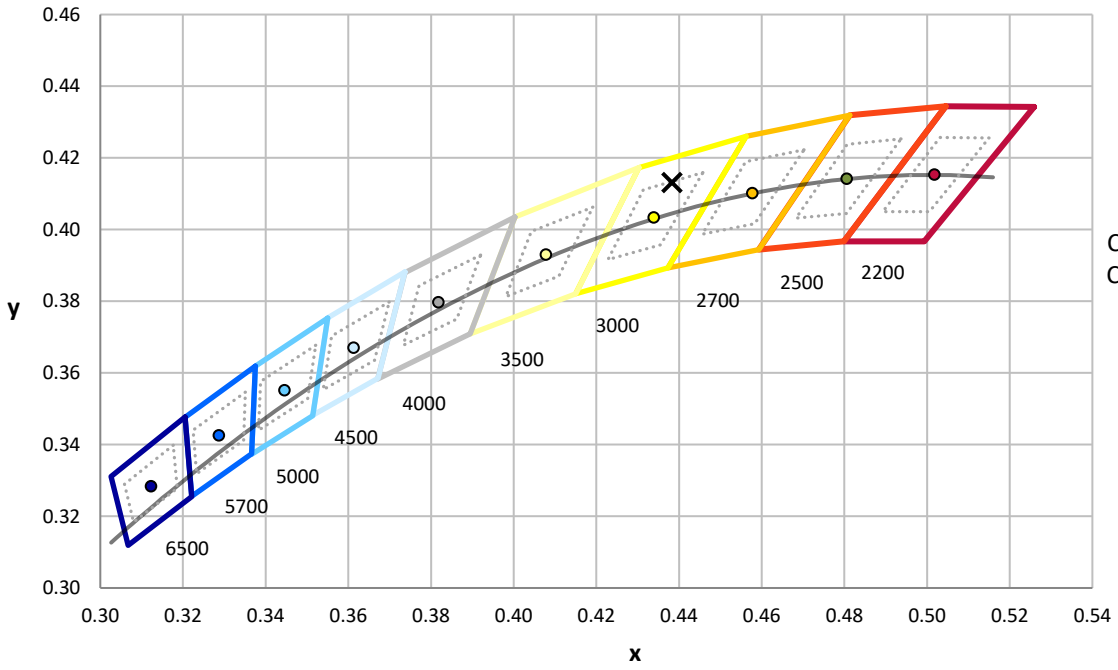
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

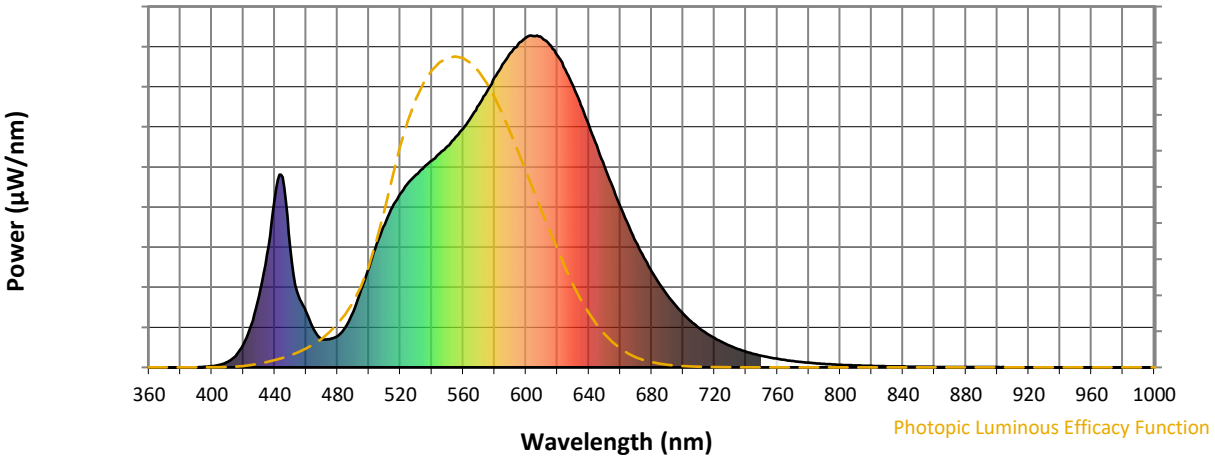


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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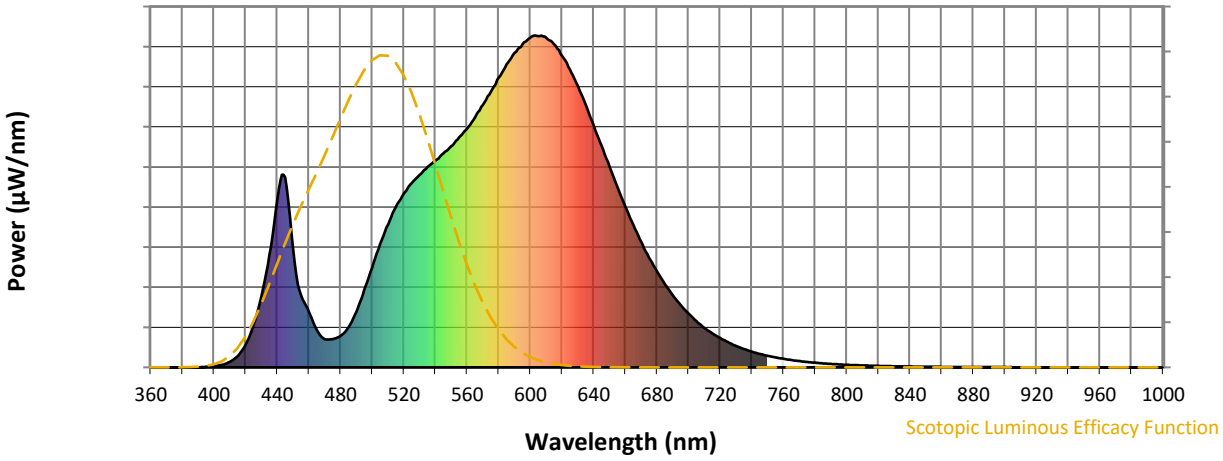
Scotopic Flux vs. Wavelength



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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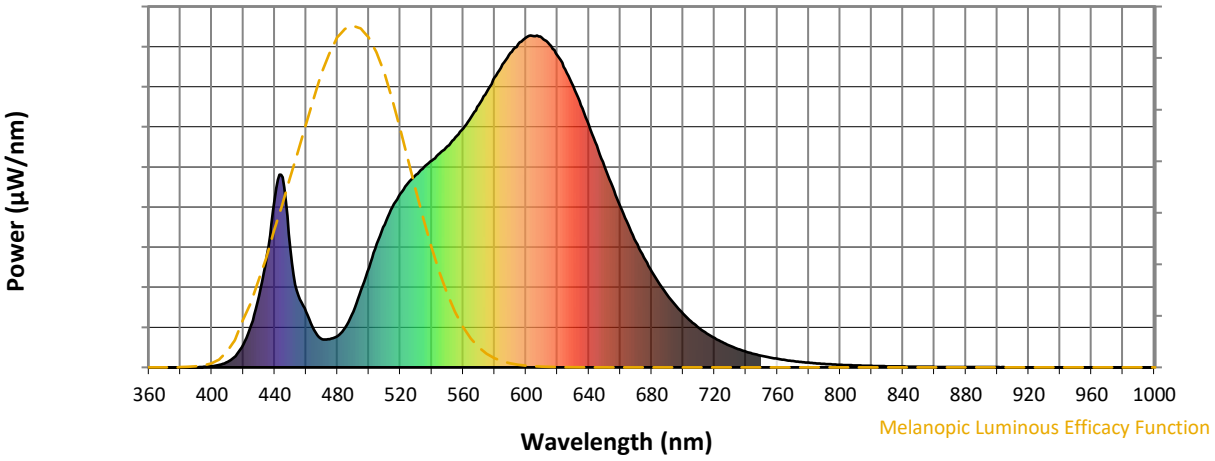
Melanopic Flux vs. Wavelength



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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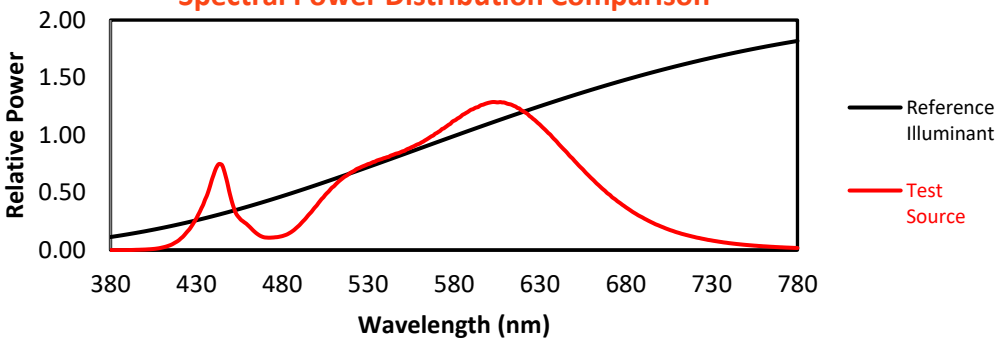
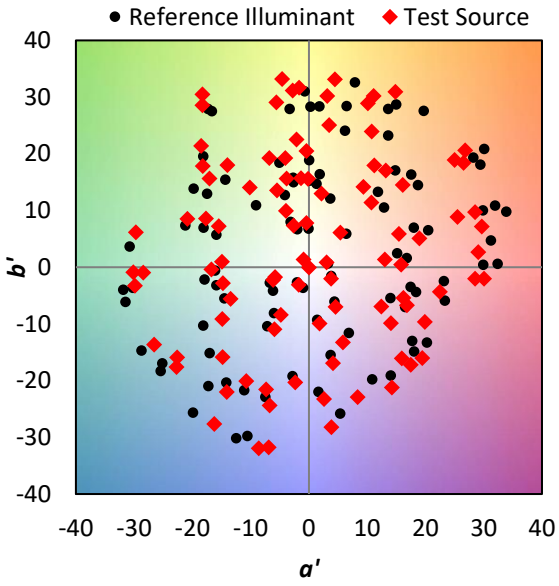
Summary

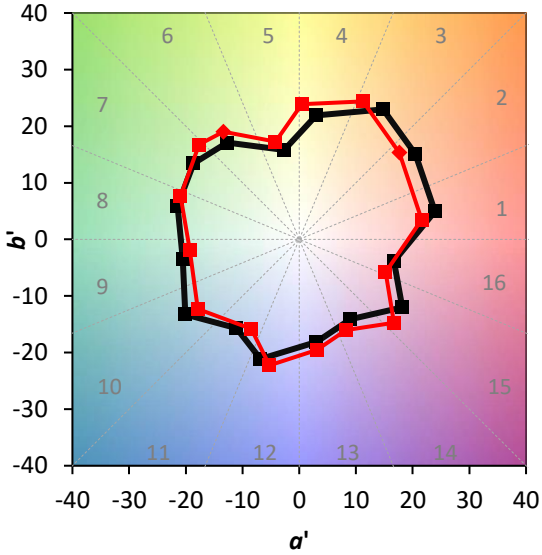
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

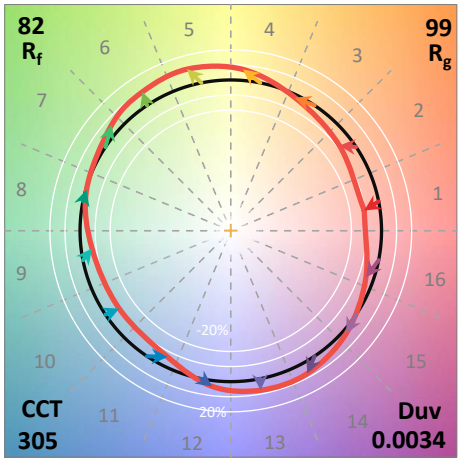
Spectral Power Distribution Comparison

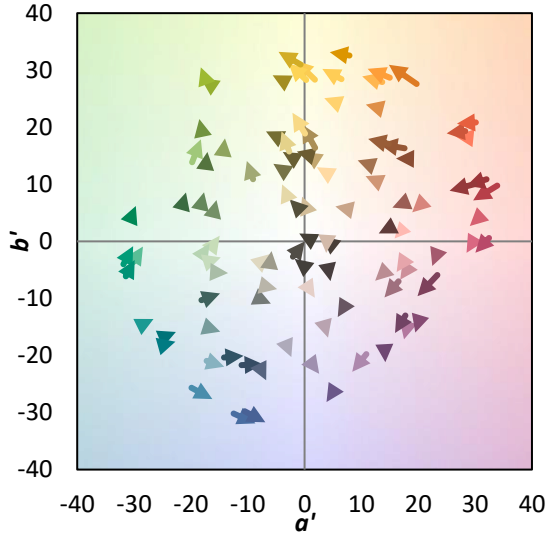


Color Vector Graphics









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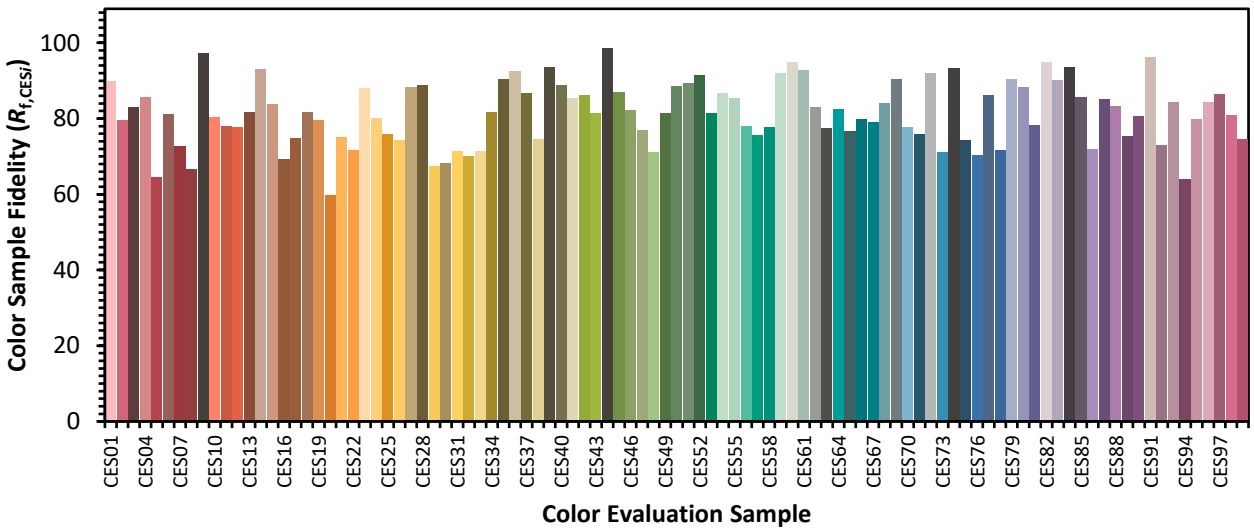
Individual Sample Fidelity Index ($R_{f,i}$)

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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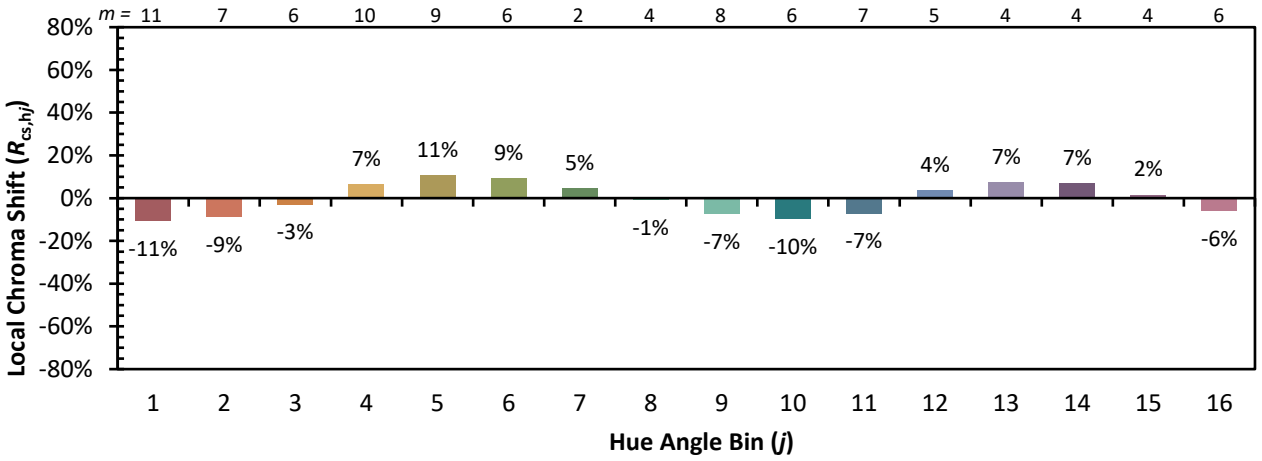
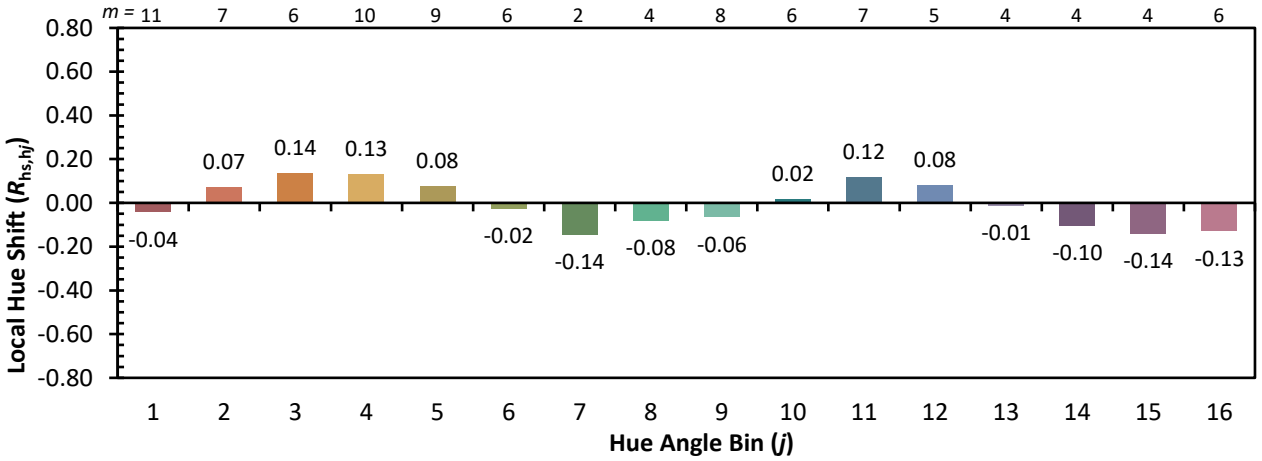
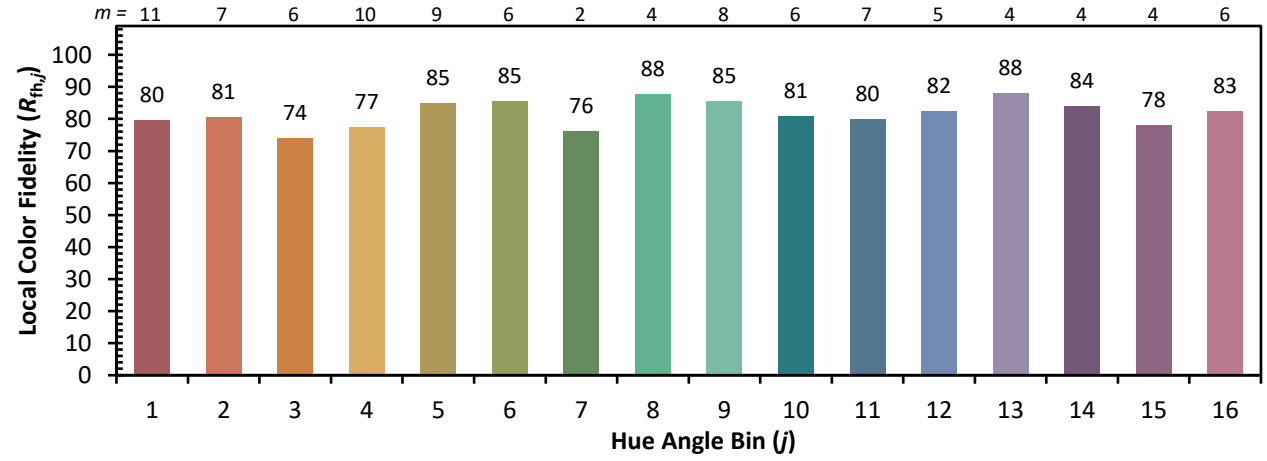
Color Rendition by Hue-Angle Bin







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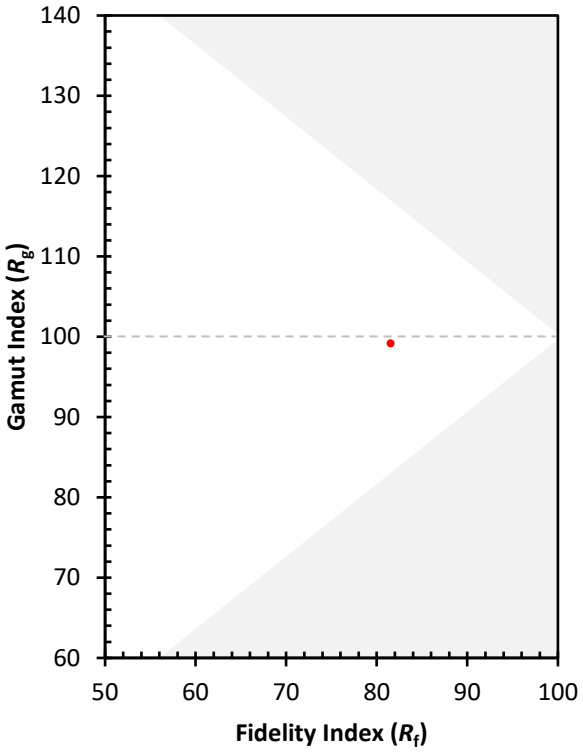
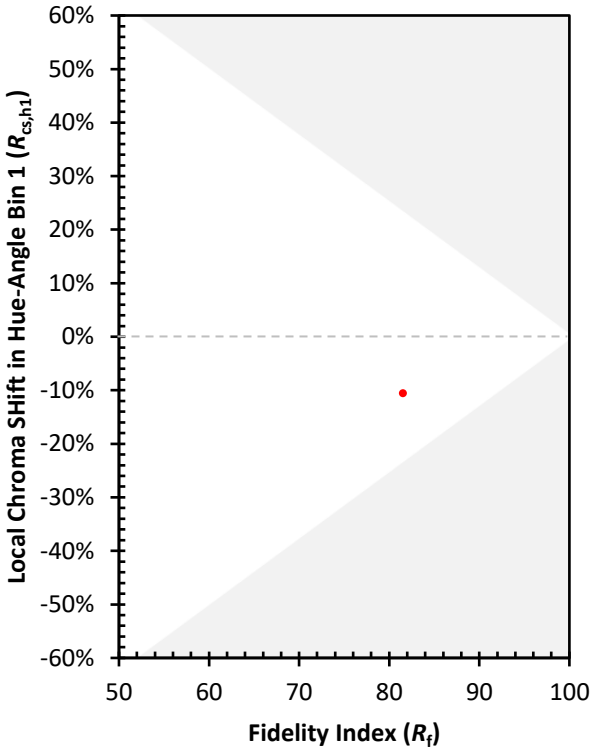
Measure Comparisons





(END OF REPORT)