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: P631573

Luminaire Tested: GWS-SA1F-830-U-T3R-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:	P631573
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA1F-830-U-T3R-W
Description:	GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source:	(16) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6803.7 lumens
Efficiency:	N/A
Efficacy:	101.2 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	67.2
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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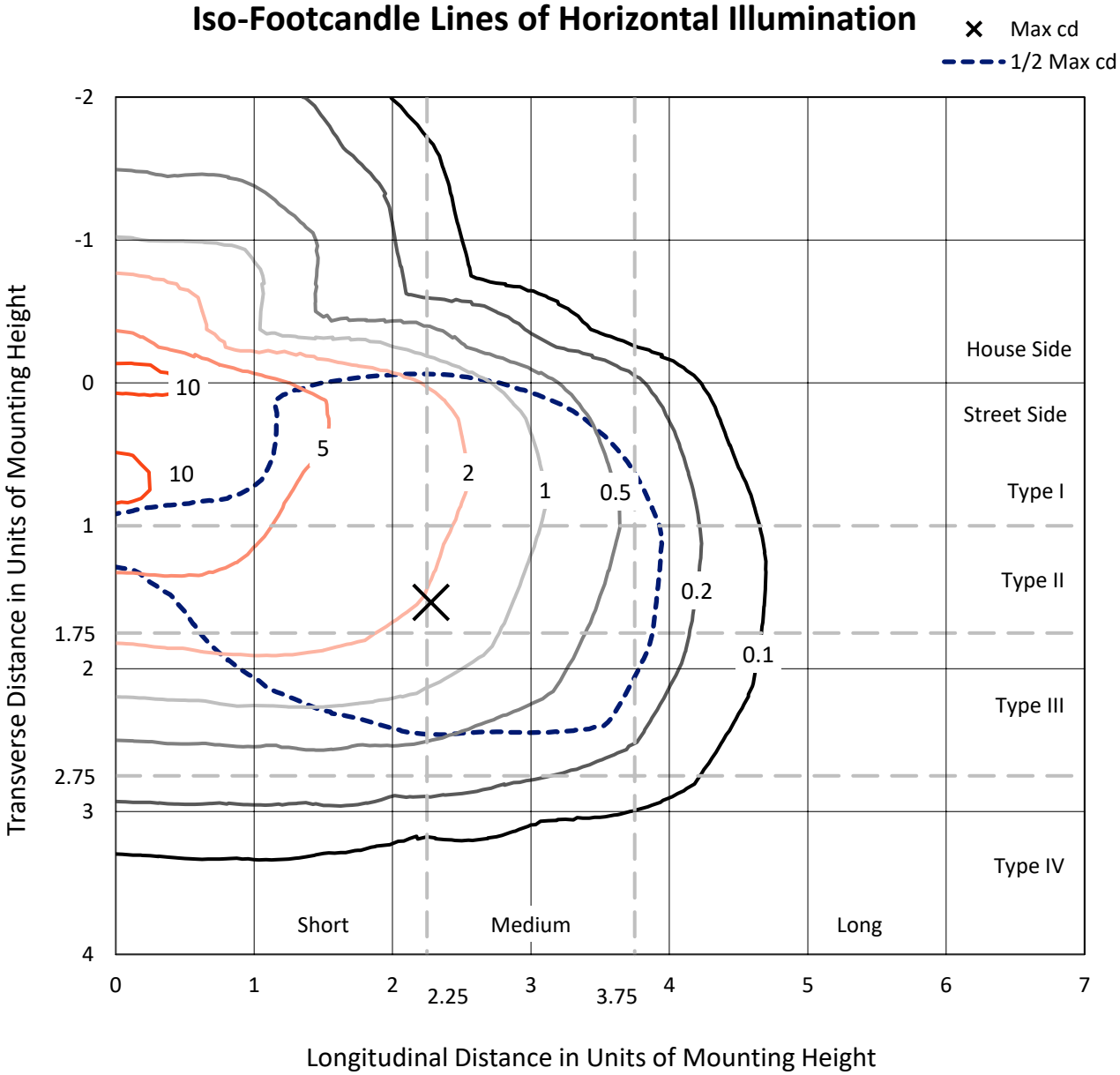
REPORT NUMBER: P631573
CATALOG NUMBER: GWS-SA1F-830-U-T3R-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 11.4 fc
Type III - Medium - N/A

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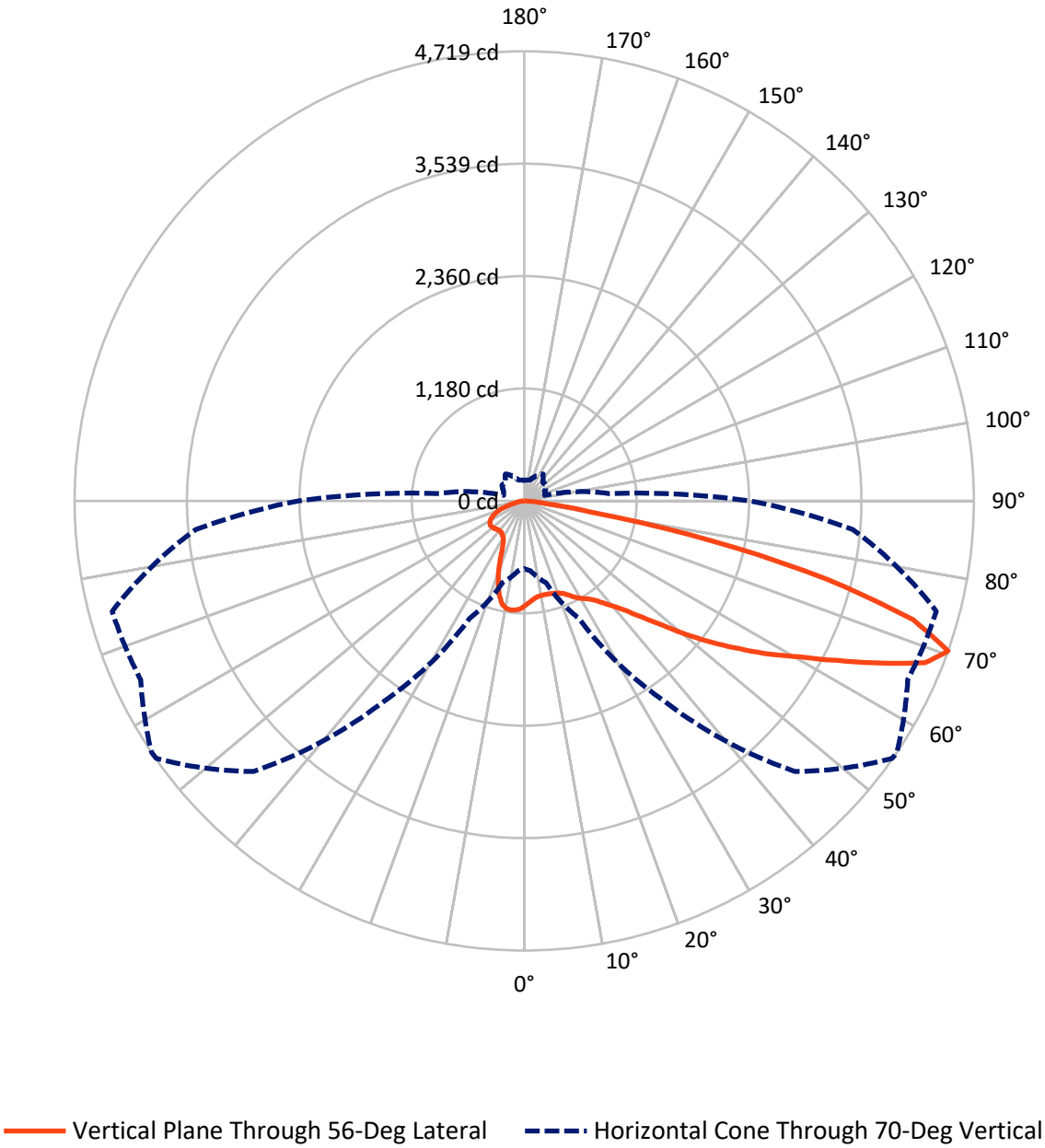
Luminous Intensity Polar Plot



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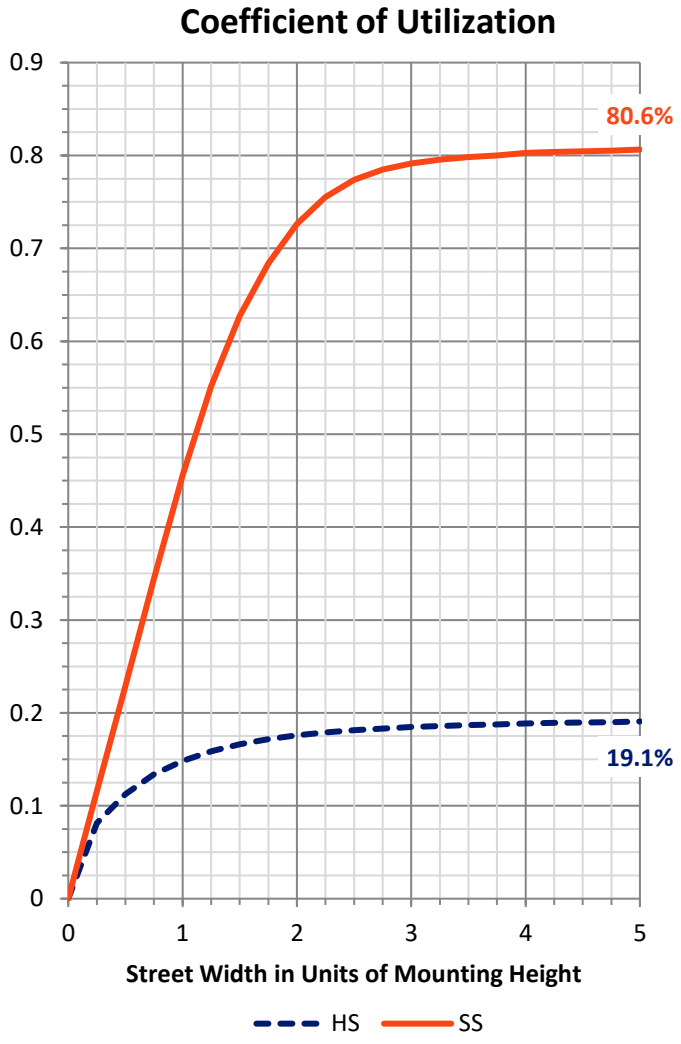
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1308.0	0.0	1308.0
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	5495.7	0.0	5495.7
	% Fixture	80.8	0.0	80.8
Total	Lumens	6803.7	0.0	6803.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.6	1.5
10°-20°	275.4	4.0
20°-30°	455.3	6.7
30°-40°	680.7	10.0
40°-50°	1012.9	14.9
50°-60°	1440.1	21.2
60°-70°	1783.6	26.2
70°-80°	984.8	14.5
80°-90°	69.4	1.0
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°	6803.7	100.0
0°-180°	6803.7	100.0



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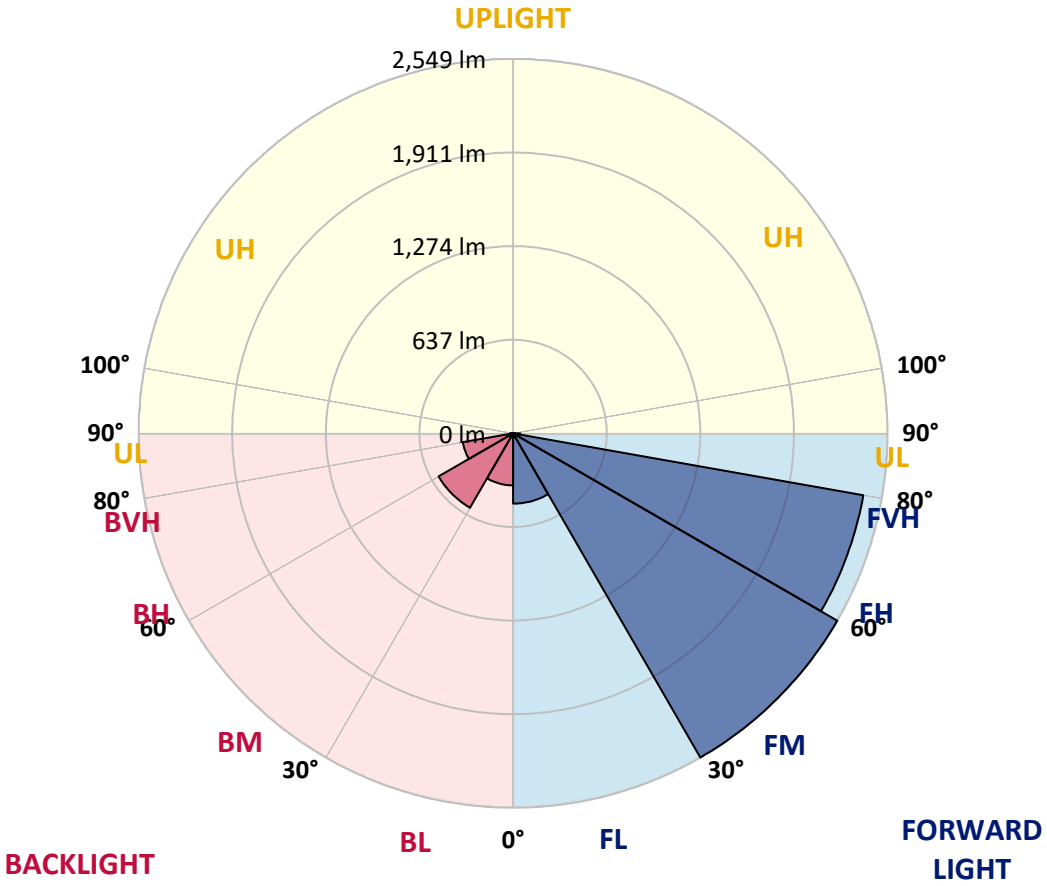
REPORT NUMBER: P631573
CATALOG NUMBER: GWS-SA1F-830-U-T3R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	478.2	7.0			
FM	(30°-60°)	2548.6	37.5			
FH	(60°-80°)	2420.8	35.6			G2/5000
FVH	(80°-90°)	48.2	0.7			G1/100
BL	(0°-30°)	354.1	5.2	B1/500		
BM	(30°-60°)	585.1	8.6	B1/1000		
BH	(60°-80°)	347.7	5.1	B1/500		G1/500
BVH	(80°-90°)	21.2	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-G2
Type III Medium



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REPORT NUMBER: P631573
CATALOG NUMBER: GWS-SA1F-830-U-T3R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1098.2	1098.2	1098.2	1098.2	1098.2	1098.2	1098.2	1098.2	1098.2	1098.2	1098.2
2.5°	1027.7	1021.9	1028.7	1032.0	1040.6	1053.1	1064.2	1064.6	1070.4	1084.3	1097.7
5°	981.2	978.3	980.2	990.3	999.4	1015.2	1032.0	1033.5	1049.8	1077.1	1104.0
7.5°	945.2	941.3	948.5	961.5	973.0	990.8	1012.8	1014.7	1037.8	1079.0	1120.3
10°	893.4	890.5	903.9	921.2	946.1	975.4	1004.7	1007.1	1037.3	1091.5	1149.1
12.5°	870.8	870.8	876.6	892.9	920.2	959.1	1003.2	1007.1	1045.0	1110.7	1186.0
15°	905.8	908.2	903.4	902.5	913.5	950.4	1005.1	1010.9	1059.4	1130.4	1222.5
17.5°	976.4	978.8	966.3	946.6	935.6	958.6	1012.3	1018.6	1074.7	1152.0	1261.8
20°	1075.2	1078.1	1050.7	1020.5	982.6	982.1	1026.3	1032.0	1094.4	1175.5	1303.6
22.5°	1190.8	1192.7	1158.2	1110.2	1052.2	1025.8	1050.2	1056.0	1119.8	1208.1	1348.7
25°	1324.7	1330.4	1288.7	1219.1	1140.4	1085.7	1090.1	1096.8	1165.4	1251.8	1401.9
27.5°	1467.7	1474.9	1426.9	1350.1	1241.7	1152.0	1141.4	1147.2	1213.8	1278.6	1430.2
30°	1614.0	1619.3	1571.3	1483.5	1350.6	1226.8	1184.6	1187.9	1235.0	1291.6	1459.0
32.5°	1776.6	1772.3	1726.3	1625.0	1476.3	1316.5	1224.9	1223.9	1258.5	1317.5	1500.3
35°	1929.2	1935.4	1886.5	1774.7	1614.5	1427.4	1285.3	1281.5	1308.4	1359.7	1558.3
37.5°	2113.9	2112.0	2053.5	1932.6	1753.1	1533.4	1370.3	1363.5	1373.1	1425.4	1639.4
40°	2245.9	2259.3	2221.4	2108.6	1915.3	1663.9	1469.6	1454.7	1457.1	1506.5	1747.8
42.5°	2353.8	2366.3	2370.1	2298.2	2101.0	1825.1	1593.4	1578.5	1579.9	1650.0	1881.2
45°	2436.8	2453.6	2507.8	2486.7	2310.2	2011.2	1760.8	1745.4	1746.4	1824.1	2042.4
47.5°	2470.9	2489.1	2599.0	2649.4	2532.3	2233.9	1969.0	1946.5	1949.8	2035.7	2226.7
50°	2459.8	2484.3	2633.0	2774.6	2718.4	2460.3	2218.0	2202.2	2189.2	2314.0	2426.7
52.5°	2364.8	2391.7	2629.7	2854.2	2870.5	2674.3	2475.2	2466.1	2463.2	2609.5	2650.3
55°	2085.1	2130.2	2514.1	2875.3	2989.5	2875.8	2754.0	2738.6	2753.5	2926.2	2876.3
57.5°	1930.2	1963.7	2287.6	2851.8	3086.9	3067.7	3032.2	3033.7	3050.5	3270.2	3150.3
60°	1841.9	1881.2	2161.9	2787.5	3180.5	3300.9	3323.5	3323.5	3353.7	3641.1	3428.5
62.5°	1724.8	1764.6	2044.4	2663.8	3266.8	3575.3	3689.5	3688.1	3700.1	4038.8	3700.6
65°	1487.3	1524.3	1808.3	2468.5	3309.1	3877.6	4105.5	4101.2	4077.2	4392.9	3880.5
67.5°	1080.0	1115.0	1385.1	2097.1	3157.0	4121.3	4533.9	4535.9	4392.4	4616.0	3890.1
70°	712.0	736.0	890.5	1362.1	2567.3	4016.3	4713.4	4719.1	4440.9	4476.8	3462.1
72.5°	444.3	461.1	556.1	812.3	1517.1	3179.0	4252.8	4268.6	3995.1	3934.2	2844.6
75°	295.1	306.6	369.9	473.5	701.9	1720.5	3232.8	3283.6	3202.1	3084.0	1982.0
77.5°	177.5	187.1	235.6	300.8	310.9	672.2	1887.0	2018.4	2030.0	1610.1	830.0
80°	81.1	92.1	130.0	171.8	165.5	234.1	665.5	696.2	821.4	511.4	262.0
82.5°	48.0	52.8	86.4	85.4	70.5	113.7	239.4	245.6	208.7	187.1	111.8
85°	19.2	22.5	36.5	32.1	25.9	36.9	90.2	94.5	90.7	81.6	41.3
87.5°	0.0	0.0	0.0	0.0	0.5	1.0	8.2	8.6	12.5	22.5	12.5
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: P631573
CATALOG NUMBER: GWS-SA1F-830-U-T3R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1098.2	1098.2	1098.2	1098.2	1098.2	1098.2	1098.2	1098.2	1098.2	1098.2	1098.2
2.5°	1106.4	1103.5	1117.9	1128.9	1133.7	1138.5	1134.2	1132.8	1132.8	1123.2	1118.4
5°	1118.4	1119.8	1139.5	1148.6	1148.6	1144.8	1133.2	1125.1	1122.2	1109.7	1106.4
7.5°	1140.9	1147.2	1165.4	1164.9	1151.5	1130.4	1101.6	1079.5	1059.4	1050.7	1045.4
10°	1177.9	1186.0	1198.5	1178.3	1140.9	1085.3	1024.3	976.4	947.6	924.5	924.5
12.5°	1220.1	1227.8	1225.4	1178.8	1101.6	997.5	909.7	854.5	814.2	793.1	793.1
15°	1262.3	1268.5	1242.6	1156.8	1019.5	880.9	784.9	718.7	683.7	664.0	664.0
17.5°	1305.0	1304.5	1249.8	1105.9	912.5	751.8	657.8	606.4	594.5	591.1	590.6
20°	1346.3	1335.2	1240.7	1021.0	788.3	621.8	562.3	565.7	583.4	591.1	592.1
22.5°	1392.8	1365.5	1213.8	912.5	647.2	531.6	535.4	563.3	589.2	600.7	602.1
25°	1440.3	1391.4	1168.7	785.4	529.2	498.5	528.2	559.4	588.7	603.6	605.0
27.5°	1459.5	1391.4	1092.0	638.1	466.3	484.6	517.2	547.4	578.1	595.4	598.8
30°	1475.3	1379.4	984.5	505.2	440.4	471.1	499.5	527.3	557.5	578.6	582.5
32.5°	1497.4	1368.8	854.5	424.6	428.4	458.2	477.9	501.4	528.7	542.6	541.2
35°	1523.3	1352.5	697.6	386.2	418.4	447.2	461.1	475.0	462.5	462.0	463.5
37.5°	1560.3	1338.1	560.9	369.0	411.7	439.5	451.0	421.2	404.0	396.8	393.9
40°	1613.5	1332.4	442.4	358.9	410.7	439.0	430.8	384.8	361.3	336.3	335.8
42.5°	1680.7	1328.0	365.6	354.1	414.1	450.0	403.0	360.8	312.3	301.3	300.3
45°	1767.0	1321.3	327.2	353.1	422.2	458.7	400.1	327.7	294.6	289.8	289.8
47.5°	1871.2	1310.8	309.9	353.1	431.3	454.8	391.5	320.5	286.4	291.7	295.1
50°	1990.6	1297.3	300.8	352.2	440.4	454.8	373.3	319.1	284.5	311.9	322.9
52.5°	2118.2	1282.0	294.6	348.3	446.7	455.3	374.2	323.9	286.4	316.7	325.8
55°	2259.3	1279.6	286.0	340.2	448.6	442.8	376.6	334.4	289.3	286.9	287.4
57.5°	2437.3	1308.4	279.7	328.2	440.9	417.4	381.4	342.1	286.0	286.4	289.8
60°	2623.4	1362.6	285.0	316.7	425.1	393.4	384.8	338.2	269.6	262.0	262.9
62.5°	2781.8	1403.8	289.3	311.4	402.1	372.3	381.4	329.6	260.5	258.6	262.9
65°	2848.0	1369.8	278.8	300.3	368.5	346.4	374.2	318.6	252.8	245.6	246.1
67.5°	2774.6	1210.0	258.1	275.9	330.6	313.3	362.7	304.2	242.3	233.7	231.7
70°	*2370.1*	*889.0*	*222.6*	*237.0*	*284.5*	*274.4*	*345.0*	*285.5*	*225.5*	*219.3*	*214.9*
72.5°	1910.0	629.5	184.7	188.6	223.1	231.3	314.3	262.0	206.3	188.6	182.3
75°	1329.5	395.3	154.0	150.2	161.2	176.6	245.2	217.3	178.0	159.3	153.5
77.5°	571.9	202.9	120.4	118.5	107.5	122.3	188.1	181.4	149.2	127.6	124.3
80°	191.4	117.5	86.8	83.5	71.5	85.9	132.4	144.9	117.1	94.5	88.8
82.5°	96.0	68.1	55.2	49.9	48.0	54.2	78.2	90.2	81.1	65.3	55.2
85°	47.0	38.9	30.2	29.7	24.9	23.5	32.6	38.4	36.5	26.9	25.4
87.5°	17.3	15.4	9.6	7.7	4.8	3.4	1.9	1.9	1.4	1.4	1.4
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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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

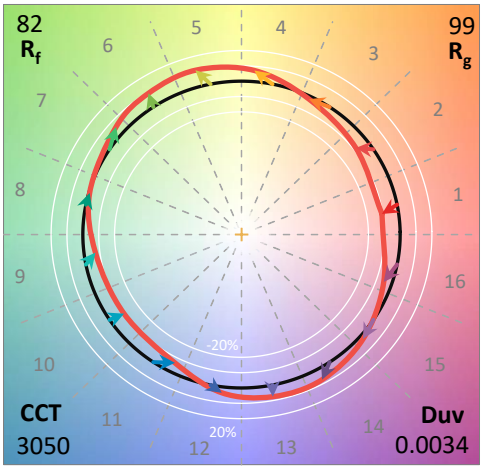
Test Information

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

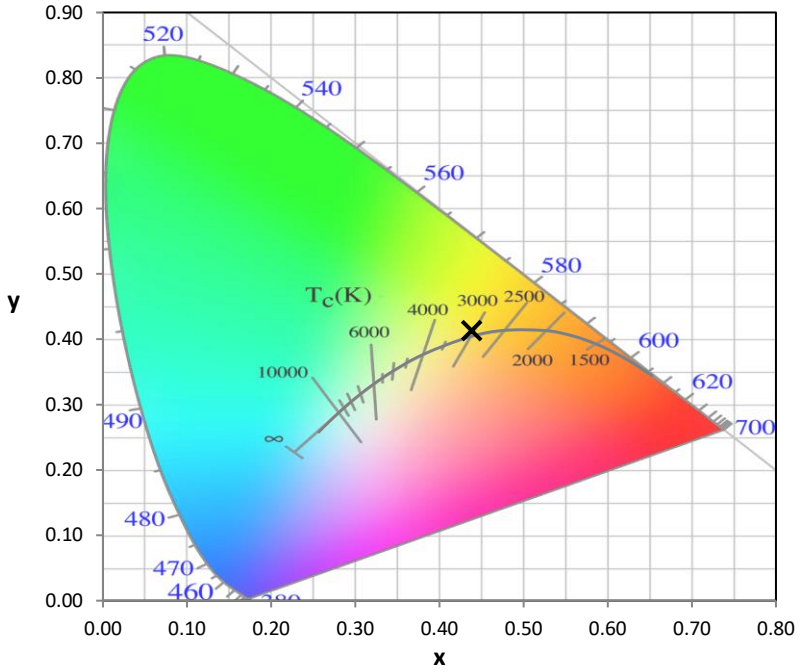
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

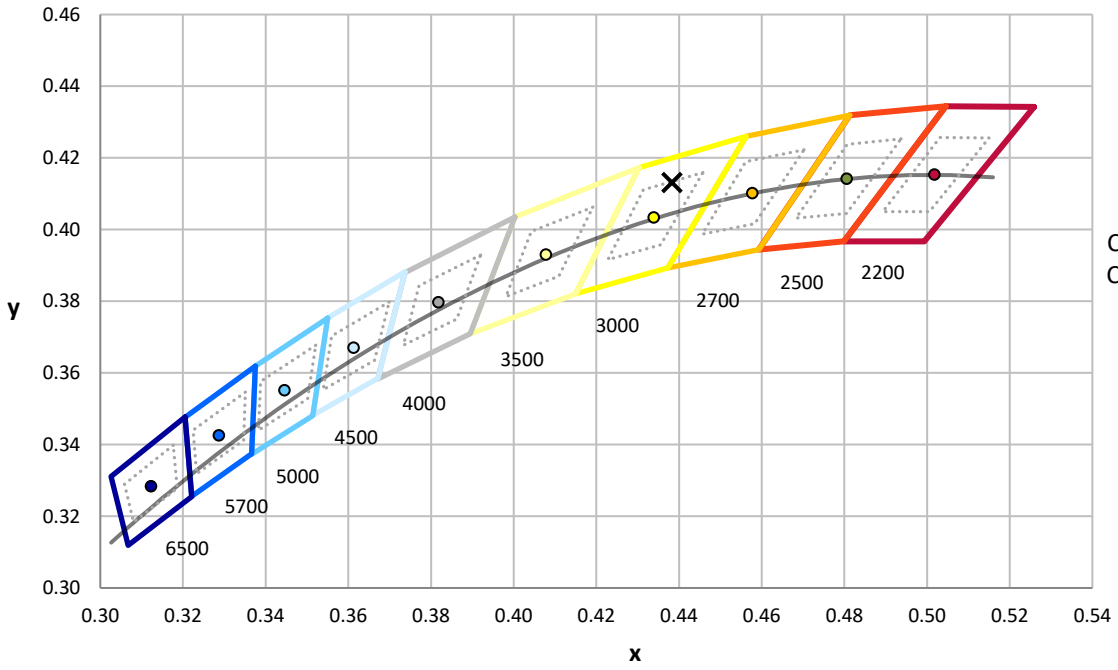
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

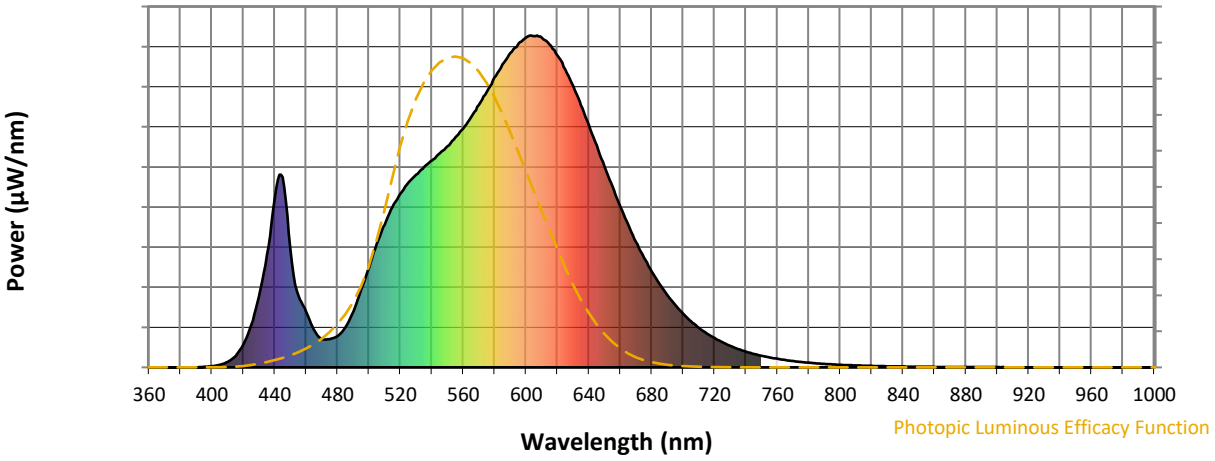


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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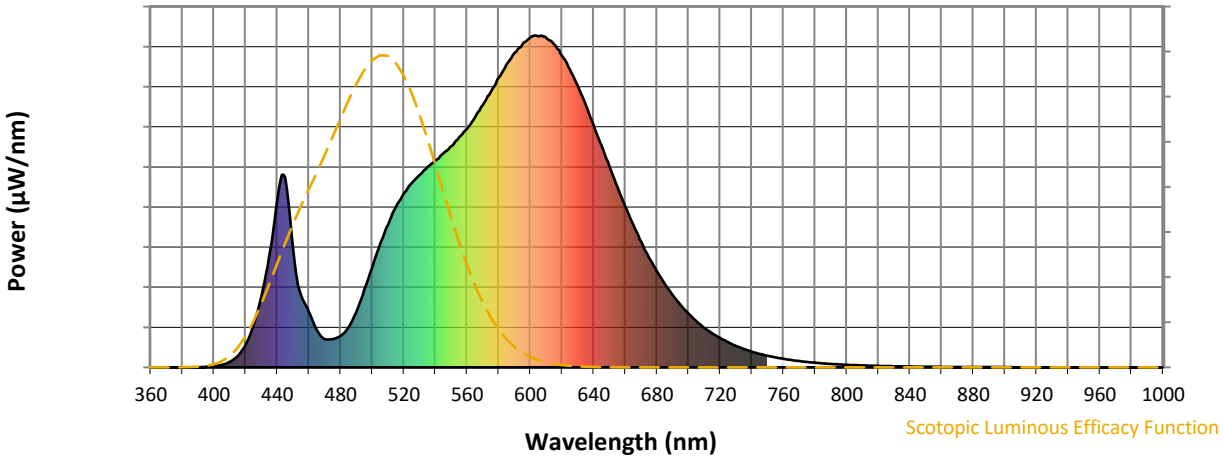
Scotopic Flux vs. Wavelength



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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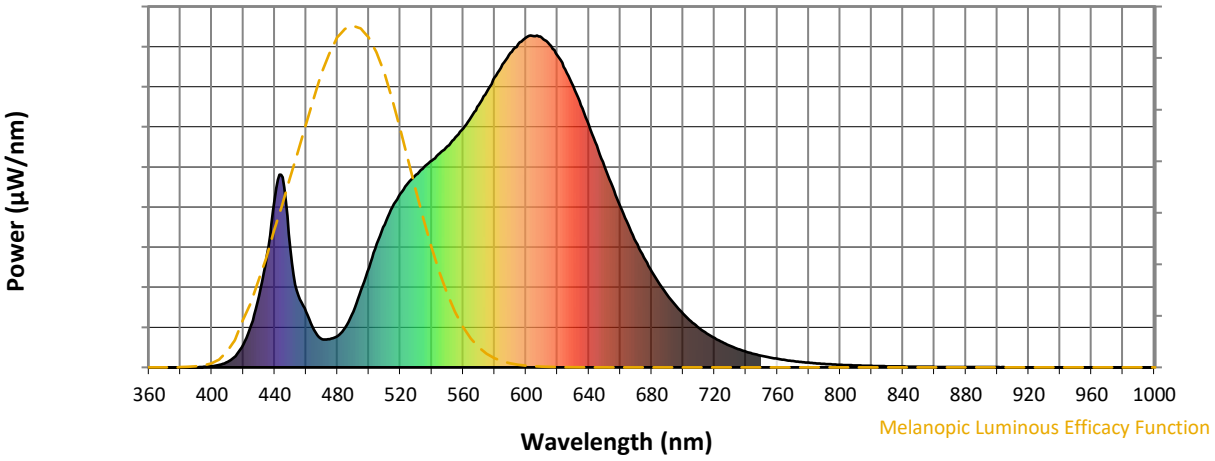
Melanopic Flux vs. Wavelength



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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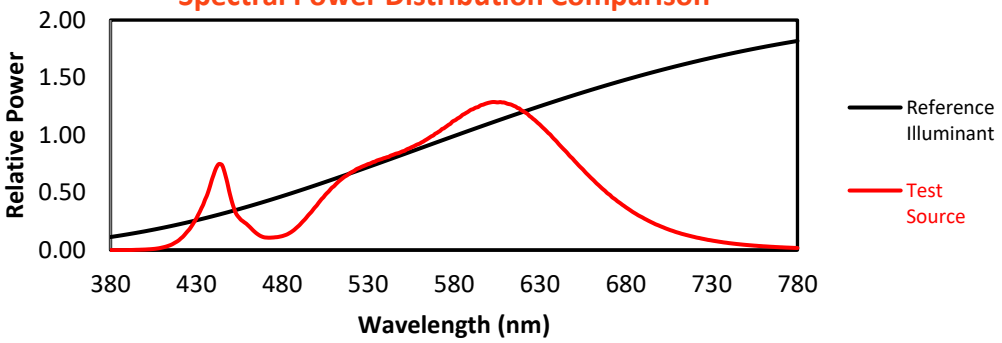
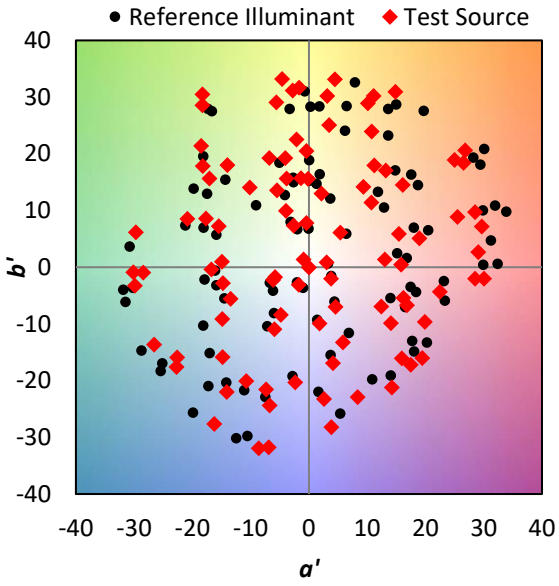
Summary

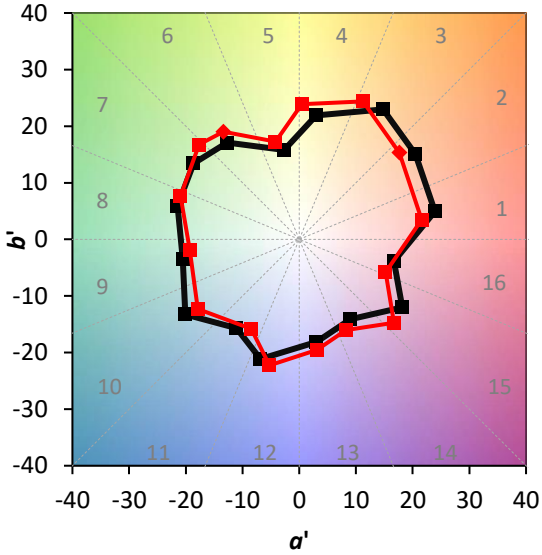
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

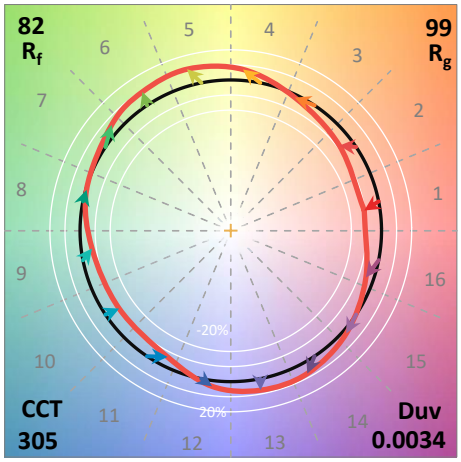
Spectral Power Distribution Comparison

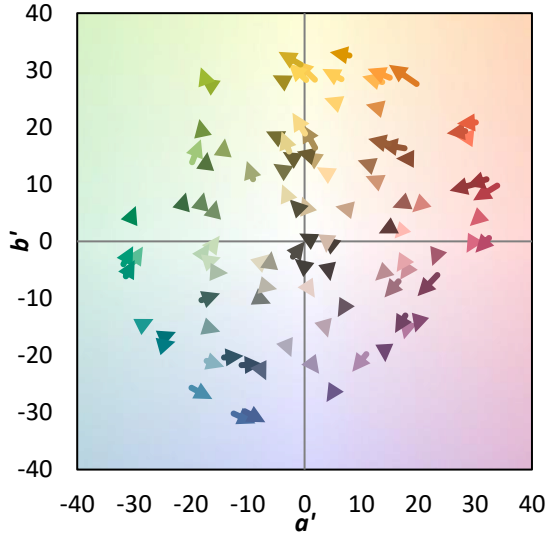


Color Vector Graphics









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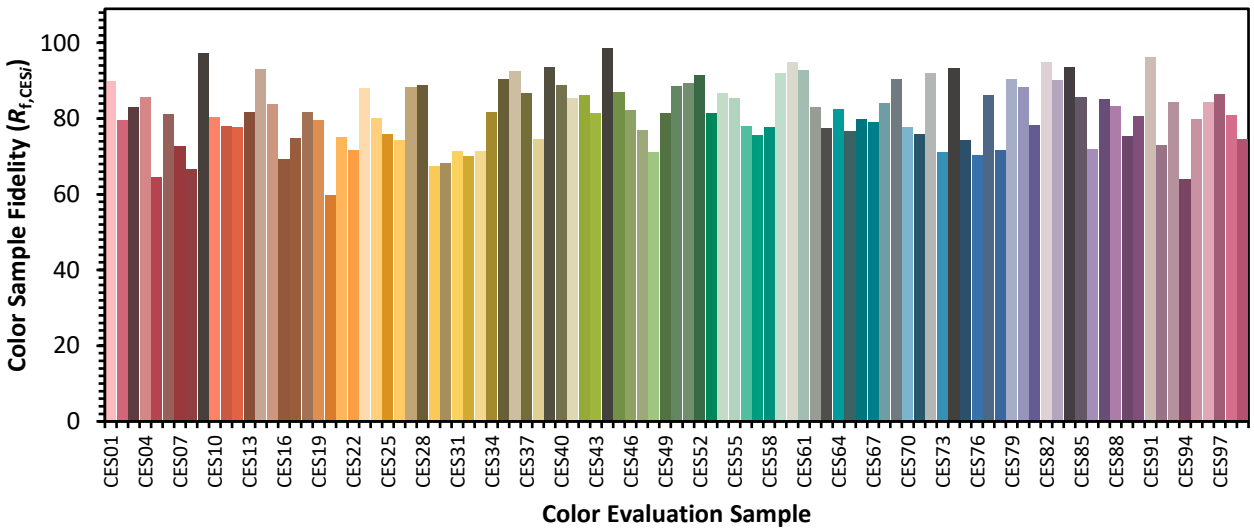
Individual Sample Fidelity Index ($R_{f,i}$)

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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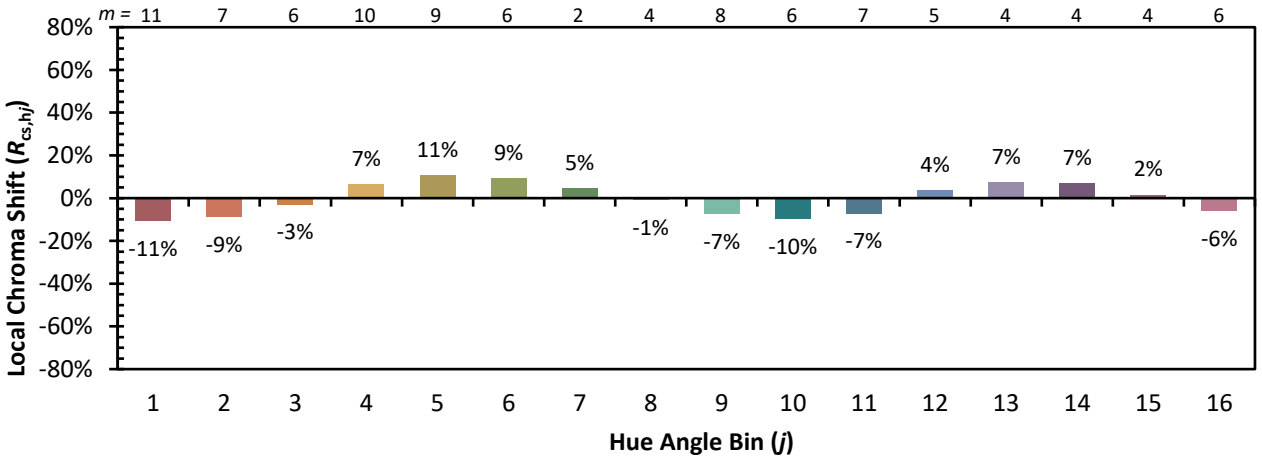
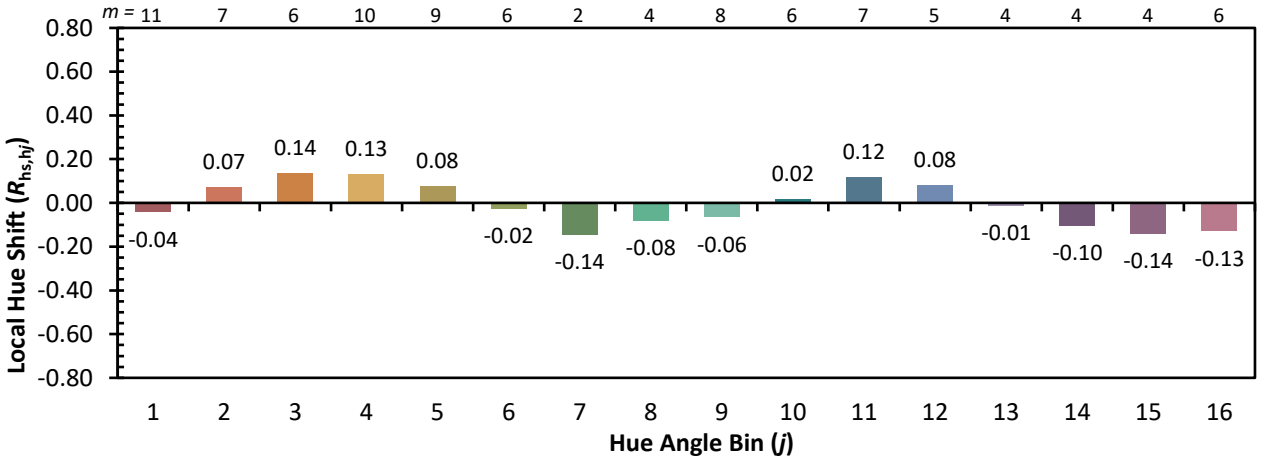
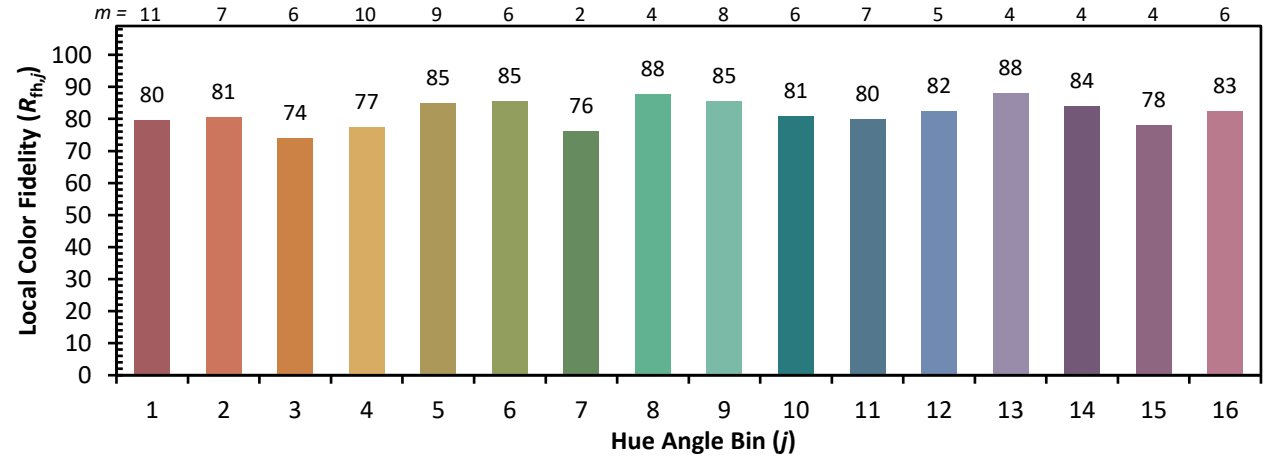
Color Rendition by Hue-Angle Bin







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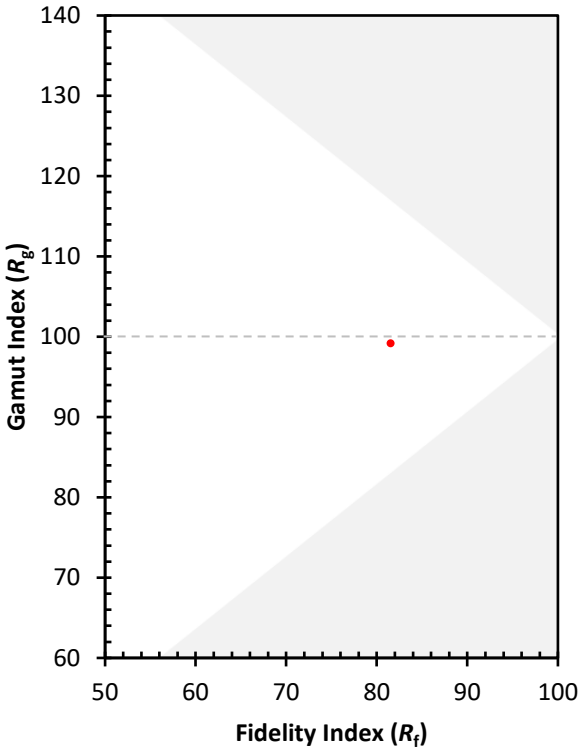
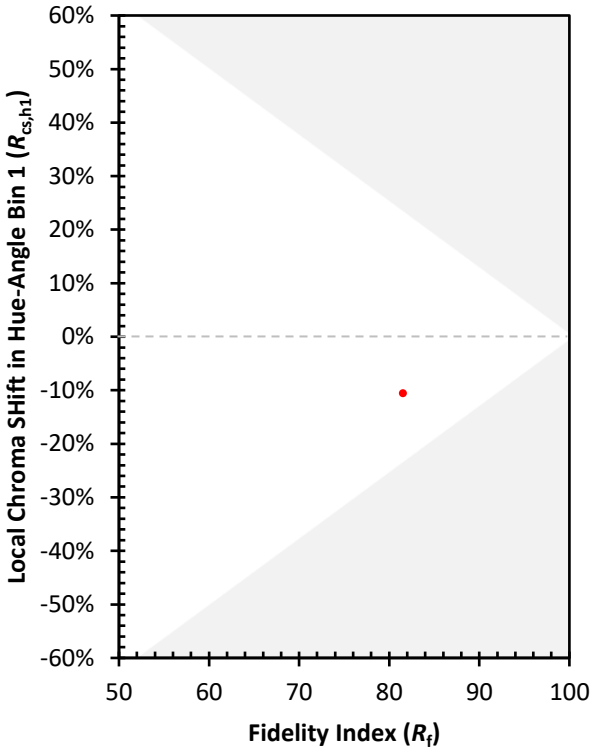
Measure Comparisons





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