

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: P632710

Luminaire Tested: GWS-SA2D-730-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632710
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-730-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6598.4 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

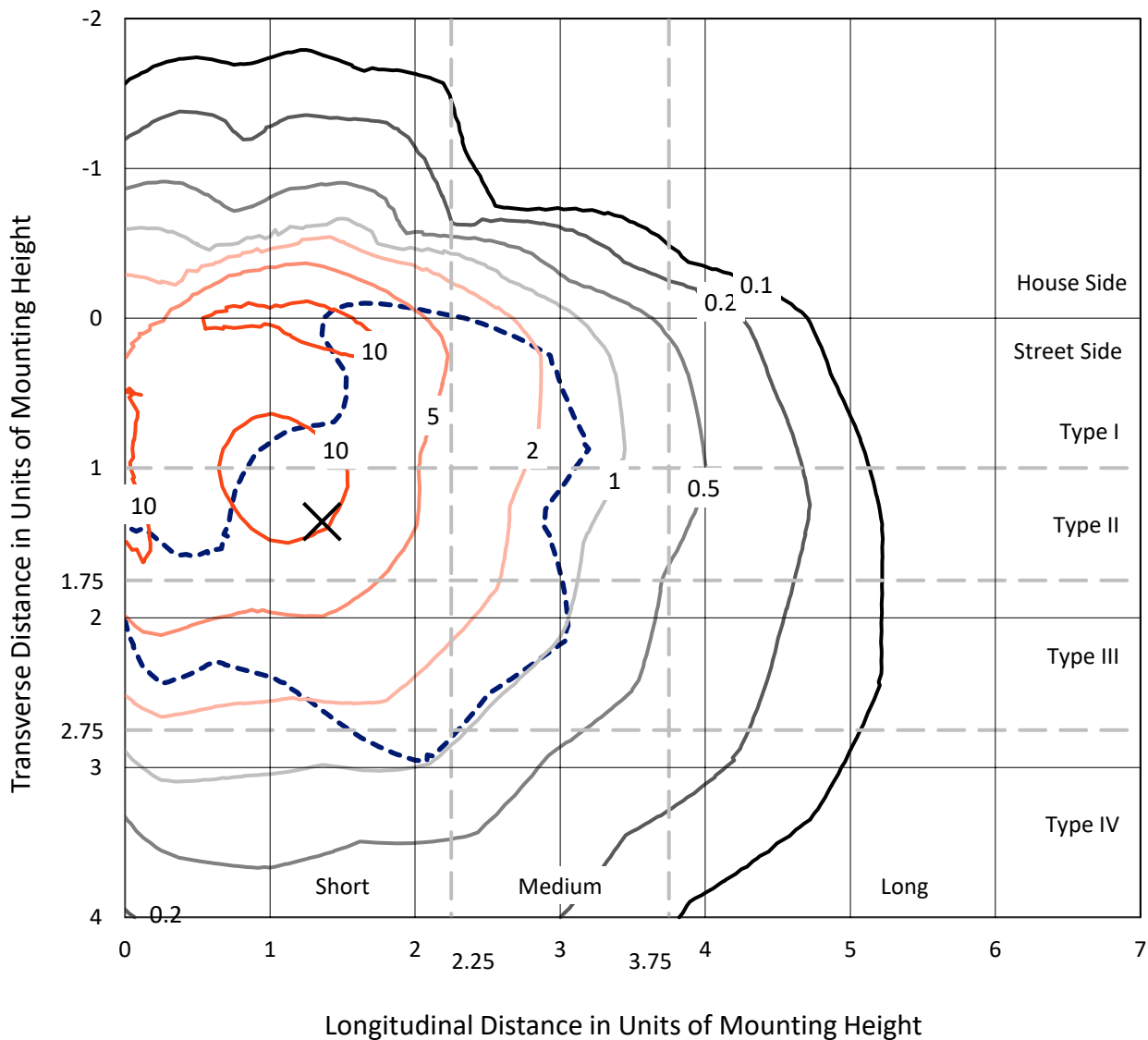
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632710
 CATALOG NUMBER: GWS-SA2D-730-U-SLR-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

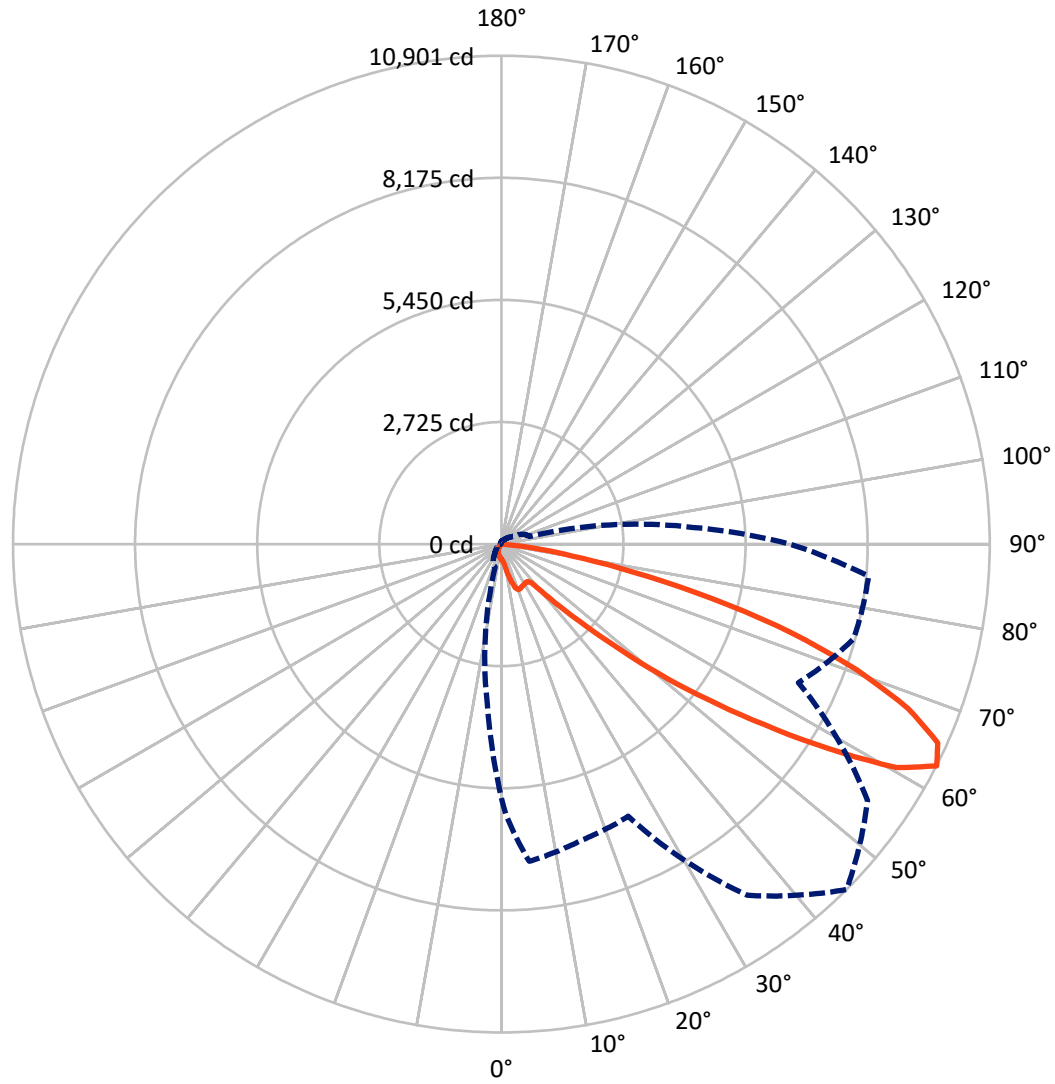
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P632710
CATALOG NUMBER: GWS-SA2D-730-U-SLR-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P632710
 CATALOG NUMBER: GWS-SA2D-730-U-SLR-W-HSS

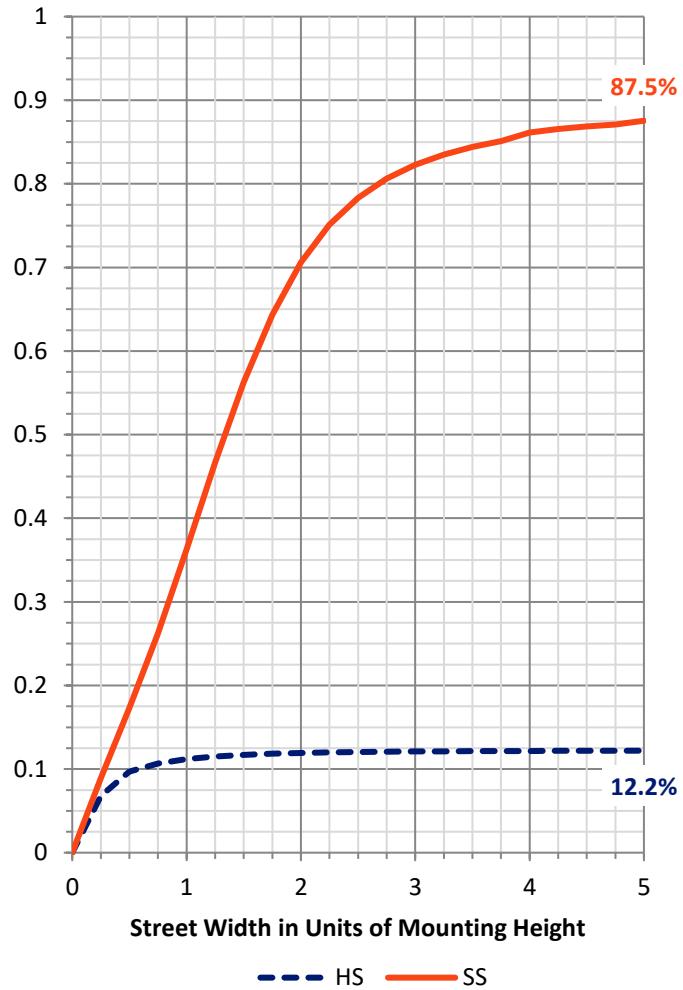
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	814.2	0.0	814.2
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	5784.2	0.0	5784.2
	% Fixture	87.7	0.0	87.7
Total	Lumens	6598.4	0.0	6598.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.4	0.5
10°-20°	115.0	1.7
20°-30°	250.1	3.8
30°-40°	410.5	6.2
40°-50°	754.6	11.4
50°-60°	1620.5	24.6
60°-70°	2176.5	33.0
70°-80°	1133.3	17.2
80°-90°	107.5	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°	6598.4	100.0
0°-180°	6598.4	100.0

Coefficient of Utilization



REPORT NUMBER: P632710

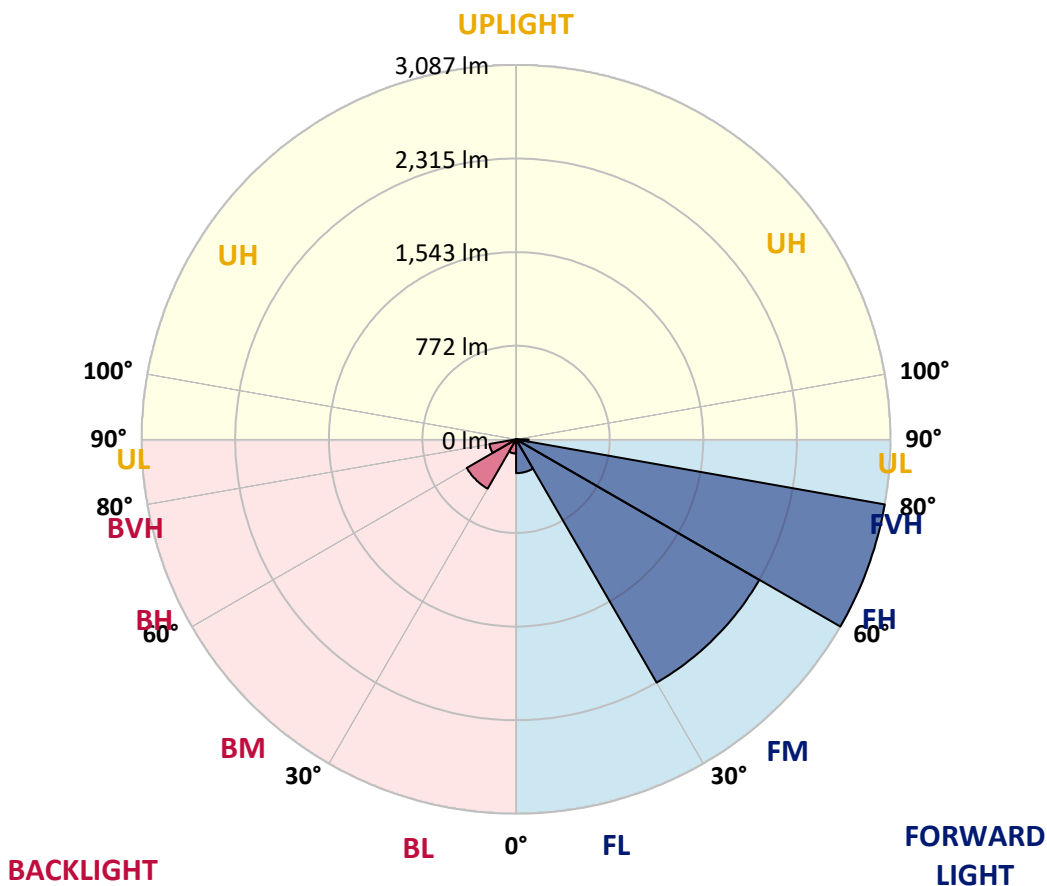
CATALOG NUMBER: GWS-SA2D-730-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	278.7	4.2			
FM (30°-60°)	2316.0	35.1			
FH (60°-80°)	3086.8	46.8			G2/5000
FVH (80°-90°)	102.7	1.6			G2/225
BL (0°-30°)	116.8	1.8	B1/500		
BM (30°-60°)	469.5	7.1	B1/1000		
BH (60°-80°)	223.1	3.4	B1/500		G1/500
BVH (80°-90°)	4.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





REPORT NUMBER: P632710

CATALOG NUMBER: GWS-SA2D-730-U-SLR-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0
2.5°	349.8	351.4	352.9	358.2	362.0	365.1	365.8	363.6	358.2	352.9	345.3
5°	339.2	340.7	346.0	360.5	375.0	386.4	390.2	387.9	375.0	358.2	340.7
7.5°	338.4	341.5	354.4	384.9	416.1	439.8	445.9	440.5	416.1	382.6	346.8
10°	365.8	371.2	390.2	445.1	502.3	544.2	561.0	538.1	499.2	438.3	379.6
12.5°	437.5	446.6	483.2	563.2	651.7	707.3	730.2	702.0	641.0	552.6	459.6
15°	550.3	564.0	618.9	738.5	843.0	892.5	900.1	884.1	813.2	715.7	590.7
17.5°	709.6	729.4	814.8	936.7	1012.2	1029.7	1027.4	1010.6	958.8	891.7	773.6
20°	900.1	923.8	1007.6	1108.2	1115.8	1095.2	1083.8	1073.9	1056.4	1044.9	952.7
22.5°	1092.2	1121.2	1208.8	1234.0	1165.4	1105.9	1077.7	1085.3	1111.3	1167.7	1130.3
25°	1283.5	1310.9	1393.3	1325.4	1188.2	1089.1	1053.3	1071.6	1133.4	1255.3	1303.3
27.5°	1506.8	1527.4	1576.2	1387.9	1192.0	1075.4	1040.4	1068.6	1144.0	1310.2	1493.1
30°	1739.3	1751.5	1727.9	1404.7	1179.1	1054.9	1027.4	1068.6	1162.3	1346.8	1635.6
32.5°	1910.0	1912.3	1835.3	1406.2	1172.2	1038.1	1015.2	1064.0	1179.8	1377.2	1773.6
35°	2086.1	2074.6	1938.2	1429.1	1190.5	1044.2	1024.4	1077.0	1207.3	1413.1	1894.8
37.5°	2264.4	2243.8	2053.3	1466.4	1237.8	1110.5	1098.3	1143.3	1251.5	1462.6	2028.1
40°	2447.3	2419.1	2173.0	1522.8	1343.0	1336.1	1378.0	1372.7	1372.7	1525.9	2165.3
42.5°	2670.7	2637.9	2349.8	1682.1	1588.4	1741.6	1855.9	1785.0	1653.9	1671.4	2343.7
45°	2965.6	2937.4	2656.2	1987.0	1973.3	2325.4	2479.4	2339.1	2012.9	2007.6	2641.7
47.5°	3437.4	3432.1	3144.7	2340.6	2444.3	3068.5	3365.8	3096.0	2422.2	2363.5	3205.7
50°	4100.5	4084.5	3753.7	2755.3	3004.5	3989.2	4519.7	4070.0	2916.8	2778.9	3961.0
52.5°	4847.4	4864.2	4606.6	3208.0	3599.8	5013.6	5752.1	5185.8	3454.2	3307.1	4911.5
55°	5550.9	5647.0	5579.1	3737.7	4181.3	6144.7	7105.8	6409.9	4119.6	3998.4	5977.0
57.5°	6101.2	6371.8	6847.4	4507.5	4865.0	7467.8	8617.1	7736.8	4896.2	5121.1	7427.4
60°	6131.7	6489.9	7594.3	6118.0	5744.5	8602.7	10126.3	9033.3	6117.2	7027.3	8563.8
62.5°	5672.1	6056.2	7108.0	6849.7	6702.6	9568.3	10900.6	9978.4	7318.4	8143.8	8226.9
65°	5146.2	5534.2	6565.4	6019.7	6591.3	9527.2	10704.0	10000.5	7427.4	7384.7	7624.0
67.5°	4351.3	4699.6	5633.2	5328.4	6075.3	9067.6	9795.5	9370.2	6842.8	6906.8	7013.5
70°	3176.0	3511.3	4377.9	4393.2	5305.5	8239.1	8416.7	8358.0	6301.7	6369.5	6064.6
72.5°	2294.1	2576.9	3324.6	3602.8	4235.4	6909.1	6786.4	7012.8	5406.9	5672.9	4871.1
75°	1649.3	1861.2	2439.0	3134.1	3357.4	5131.0	4858.1	5431.3	4338.3	4884.8	3662.3
77.5°	669.2	743.9	959.6	2111.2	2206.5	3451.9	2974.0	3945.0	3092.9	3209.5	1775.1
80°	27.4	30.5	39.6	1089.9	1512.9	1942.0	1591.4	2108.9	2042.6	1292.6	419.2
82.5°	3.0	3.0	6.9	314.0	662.3	1071.6	750.0	1214.9	1034.3	548.0	190.5
85°	0.8	0.8	1.5	35.8	155.5	171.5	101.4	372.7	480.9	224.1	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	6.9	7.6	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



REPORT NUMBER: P632710

CATALOG NUMBER: GWS-SA2D-730-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0
2.5°	345.3	341.5	336.9	332.3	330.0	323.9	321.6	320.1	318.6	319.4	319.4
5°	333.8	325.4	315.5	305.6	300.3	294.2	291.2	289.6	290.4	293.4	293.4
7.5°	332.3	316.3	295.0	282.0	275.9	271.3	268.3	266.8	267.5	271.3	272.9
10°	357.5	329.3	291.2	269.0	262.2	257.6	254.6	252.3	250.8	253.8	254.6
12.5°	411.6	372.7	309.4	267.5	255.3	249.2	246.9	242.4	240.1	241.6	242.4
15°	523.6	456.5	346.0	273.6	249.2	242.4	238.6	234.7	230.9	230.2	230.9
17.5°	670.0	573.9	401.7	288.1	244.7	236.3	230.9	225.6	220.3	219.5	218.7
20°	851.3	718.0	479.4	311.0	240.8	230.9	223.3	215.7	208.8	206.5	206.5
22.5°	1016.7	891.7	579.3	339.2	235.5	223.3	214.2	205.0	197.4	193.6	192.8
25°	1218.7	1076.2	698.9	371.9	227.9	213.4	203.5	194.4	186.7	182.2	180.6
27.5°	1422.2	1270.5	834.6	414.6	218.7	203.5	194.4	186.0	177.6	172.3	170.7
30°	1619.6	1480.1	987.0	468.0	211.9	193.6	186.0	177.6	170.0	161.6	159.3
32.5°	1831.5	1694.3	1157.7	527.4	206.5	186.7	178.3	170.7	160.8	153.2	149.4
35°	2035.8	1915.3	1346.0	585.4	201.2	180.6	171.5	163.9	153.2	144.8	139.5
37.5°	2241.6	2140.2	1542.6	620.4	193.6	172.3	163.9	157.8	145.6	135.7	129.6
40°	2459.5	2372.7	1755.3	605.9	186.7	163.1	158.5	151.7	138.0	126.5	118.9
42.5°	2698.9	2594.4	1971.7	550.3	180.6	155.5	150.9	144.1	131.1	117.4	107.5
45°	2999.9	2837.6	2149.3	466.5	183.7	147.9	138.7	137.2	125.0	107.5	95.3
47.5°	3517.4	3211.0	2287.3	412.3	204.3	139.5	128.8	132.6	119.7	97.6	83.8
50°	4309.3	3829.9	2416.1	408.5	235.5	135.7	119.7	129.6	114.3	87.7	73.9
52.5°	5063.9	4458.7	2498.4	442.1	263.0	145.6	110.5	125.8	110.5	80.8	67.1
55°	5785.7	4821.5	2351.3	466.5	288.9	175.3	103.7	119.7	105.9	77.0	64.8
57.5°	6563.8	4983.1	1851.3	516.0	307.2	200.5	105.2	110.5	99.8	74.7	64.0
60°	6796.3	4776.5	1117.3	580.8	297.2	208.1	116.6	98.3	91.5	70.1	61.7
62.5°	6435.0	4286.5	659.3	528.9	288.9	196.6	133.4	90.7	83.1	64.0	57.2
65°	5894.7	3621.1	429.9	446.6	306.4	175.3	141.8	86.9	75.5	57.9	50.3
67.5°	5277.3	2916.8	301.1	263.7	282.8	157.8	119.7	86.1	67.8	48.8	41.2
70°	4445.0	2184.4	211.9	174.5	235.5	140.2	93.0	83.8	59.4	39.6	32.0
72.5°	3434.4	1367.3	157.8	112.8	167.7	114.3	73.9	70.9	48.0	32.8	24.4
75°	2532.7	779.7	111.3	81.6	110.5	86.9	54.9	50.3	41.2	31.2	22.1
77.5°	1322.4	390.2	69.4	62.5	63.3	54.1	39.6	36.6	38.1	31.2	20.6
80°	253.8	77.7	41.9	45.7	34.3	34.3	29.0	30.5	33.5	25.2	17.5
82.5°	105.9	16.8	22.9	25.9	21.3	23.6	23.6	24.4	23.6	18.3	13.0
85°	0.0	0.0	9.9	10.7	14.5	14.5	12.2	12.2	12.2	10.7	7.6
87.5°	0.0	0.0	0.0	0.0	0.8	2.3	4.6	5.3	6.1	4.6	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P632710

CATALOG NUMBER: GWS-SA2D-730-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0
2.5°	318.6	317.1	319.4	320.9	322.4	322.4	320.9	319.4	317.1	319.4	317.1
5°	294.2	296.5	300.3	301.8	303.3	300.3	298.8	294.2	290.4	291.2	289.6
7.5°	275.1	277.4	282.0	285.1	285.1	283.5	279.0	274.4	268.3	268.3	267.5
10°	257.6	260.7	266.0	269.8	271.3	269.8	265.2	259.1	253.8	253.8	251.5
12.5°	243.1	246.9	253.0	258.4	259.9	258.4	253.8	247.7	241.6	241.6	240.1
15°	230.9	235.5	242.4	248.5	250.8	248.5	243.1	235.5	229.4	230.2	227.9
17.5°	219.5	223.3	232.5	239.3	241.6	239.3	232.5	222.6	216.5	218.0	216.5
20°	206.5	211.1	220.3	227.9	230.2	227.9	220.3	209.6	203.5	203.5	204.3
22.5°	192.8	197.4	206.5	211.9	214.9	212.6	205.0	195.1	189.0	189.0	189.8
25°	180.6	182.9	189.8	195.1	195.9	193.6	187.5	179.9	175.3	177.6	178.3
27.5°	169.2	169.2	172.3	175.3	174.5	172.3	170.0	163.9	163.1	165.4	167.7
30°	157.0	153.2	151.7	149.4	148.6	147.9	150.1	150.1	151.7	154.7	157.0
32.5°	146.3	138.7	131.9	125.0	121.2	124.2	130.3	135.7	141.0	145.6	147.9
35°	134.1	121.9	110.5	101.4	95.3	99.8	109.8	119.7	128.8	134.9	138.7
37.5°	121.9	104.4	90.7	79.3	74.7	78.5	89.2	102.9	116.6	124.2	129.6
40°	109.0	86.9	70.9	61.7	57.2	61.0	71.6	85.4	103.7	113.6	120.4
42.5°	96.0	71.6	57.2	48.0	45.7	48.0	56.4	70.1	89.9	102.1	111.3
45°	83.1	59.4	45.7	38.9	36.6	38.9	45.7	57.2	77.0	90.7	101.4
47.5°	71.6	50.3	38.1	32.0	30.5	32.8	38.1	48.0	64.8	78.5	90.7
50°	62.5	44.2	32.8	27.4	25.9	28.2	32.8	40.4	54.9	67.1	80.0
52.5°	56.4	41.2	29.0	23.6	22.9	24.4	28.2	34.3	46.5	57.2	69.4
55°	54.9	41.2	26.7	21.3	20.6	22.1	25.2	29.7	40.4	49.5	60.2
57.5°	56.4	44.2	25.2	18.3	17.5	19.1	22.1	25.9	35.1	42.7	52.6
60°	56.4	45.0	22.1	14.5	13.7	15.2	18.3	22.9	31.2	37.3	45.7
62.5°	51.1	41.2	18.3	11.4	9.9	11.4	15.2	19.1	27.4	33.5	40.4
65°	44.2	35.1	15.2	8.4	6.9	8.4	12.2	16.0	23.6	29.0	36.6
67.5°	35.8	26.7	11.4	6.1	4.6	6.1	9.1	13.0	19.8	25.2	32.8
70°	26.7	19.1	9.1	5.3	4.6	5.3	8.4	12.2	17.5	22.9	30.5
72.5°	19.8	13.0	7.6	5.3	3.8	5.3	7.6	11.4	16.8	22.1	29.0
75°	16.8	10.7	6.9	4.6	3.8	4.6	6.9	10.7	15.2	20.6	27.4
77.5°	16.0	9.9	6.1	3.8	3.0	3.8	6.1	9.1	13.7	19.1	26.7
80°	13.7	8.4	5.3	3.0	2.3	3.0	5.3	7.6	10.7	14.5	20.6
82.5°	10.7	6.9	3.8	1.5	0.8	1.5	3.8	4.6	6.9	8.4	12.2
85°	6.9	3.8	1.5	0.0	0.0	0.0	1.5	3.0	3.0	3.8	6.1
87.5°	3.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P632710
 CATALOG NUMBER: GWS-SA2D-730-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0
2.5°	321.6	322.4	323.9	326.2	331.5	336.1	340.7	346.8	349.8	349.8
5°	291.2	291.9	292.7	295.7	303.3	309.4	319.4	331.5	337.6	339.2
7.5°	267.5	269.0	270.6	272.9	280.5	288.9	301.8	324.7	336.1	338.4
10°	253.8	256.1	259.1	263.7	270.6	279.7	301.8	343.0	362.0	365.8
12.5°	243.1	246.9	250.0	255.3	263.7	278.2	322.4	394.8	428.3	437.5
15°	232.5	237.0	241.6	246.9	256.1	283.5	362.0	487.8	543.4	550.3
17.5°	221.8	227.1	233.2	239.3	250.8	296.5	424.5	616.6	694.3	709.6
20°	209.6	216.5	224.8	232.5	245.4	317.1	511.4	769.8	867.4	900.1
22.5°	196.6	205.0	214.9	224.8	239.3	342.2	616.6	934.4	1070.9	1092.2
25°	186.0	194.4	203.5	213.4	229.4	372.7	743.9	1138.7	1262.9	1283.5
27.5°	176.1	184.4	192.8	202.0	219.5	412.3	897.1	1355.9	1485.5	1506.8
30°	165.4	175.3	183.7	192.8	210.4	461.1	1073.9	1596.8	1719.5	1739.3
32.5°	156.2	166.2	174.5	183.7	203.5	514.5	1259.9	1810.2	1910.0	1910.0
35°	148.6	159.3	165.4	177.6	198.2	548.8	1435.9	2013.7	2089.1	2086.1
37.5°	140.2	153.2	157.8	166.2	191.3	552.6	1601.3	2228.6	2284.2	2264.4
40°	131.9	145.6	152.4	157.0	183.7	521.3	1782.7	2426.0	2473.3	2447.3
42.5°	124.2	134.9	144.8	150.1	179.1	466.5	1928.3	2637.1	2693.5	2670.7
45°	116.6	125.8	131.9	141.8	182.2	428.3	2053.3	2883.3	2982.4	2965.6
47.5°	109.0	116.6	120.4	135.7	202.7	410.8	2129.5	3264.4	3451.1	3437.4
50°	100.6	109.8	109.8	134.1	233.2	416.9	2195.8	3816.2	4105.1	4100.5
52.5°	92.2	102.1	100.6	145.6	256.9	445.1	2271.3	4303.2	4805.5	4847.4
55°	83.8	93.0	94.5	168.4	270.6	469.5	1979.4	4508.3	5403.8	5550.9
57.5°	74.7	80.0	98.3	186.0	266.0	540.4	1355.9	4545.6	5785.7	6101.2
60°	64.8	69.4	111.3	182.2	251.5	499.2	853.6	4210.3	5731.6	6131.7
62.5°	56.4	64.0	117.4	160.8	256.1	432.9	544.2	3588.3	5215.6	5672.1
65°	49.5	61.7	106.7	145.6	259.1	293.4	367.4	2919.1	4711.8	5146.2
67.5°	44.2	68.6	87.7	129.6	222.6	206.5	252.3	2268.2	3961.8	4351.3
70°	40.4	70.1	71.6	111.3	172.3	132.6	166.2	1526.6	2730.9	3176.0
72.5°	36.6	51.8	54.1	89.2	111.3	80.8	107.5	873.5	1990.8	2294.1
75°	35.1	35.1	37.3	57.9	61.7	58.7	69.4	521.3	1427.6	1649.3
77.5°	32.8	26.7	23.6	37.3	33.5	41.9	41.2	231.7	618.9	669.2
80°	25.9	19.1	16.0	23.6	22.9	28.2	24.4	19.1	28.2	27.4
82.5°	16.0	12.2	11.4	14.5	13.0	14.5	11.4	3.0	3.0	3.0
85°	7.6	6.9	6.1	6.1	6.9	6.1	4.6	1.5	0.8	0.8
87.5°	3.8	3.8	3.0	2.3	3.0	3.0	2.3	0.8	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

(END OF REPORT)