

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: P630291

Luminaire Tested: GWS-SA1D-735-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630291
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-735-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5662.8 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

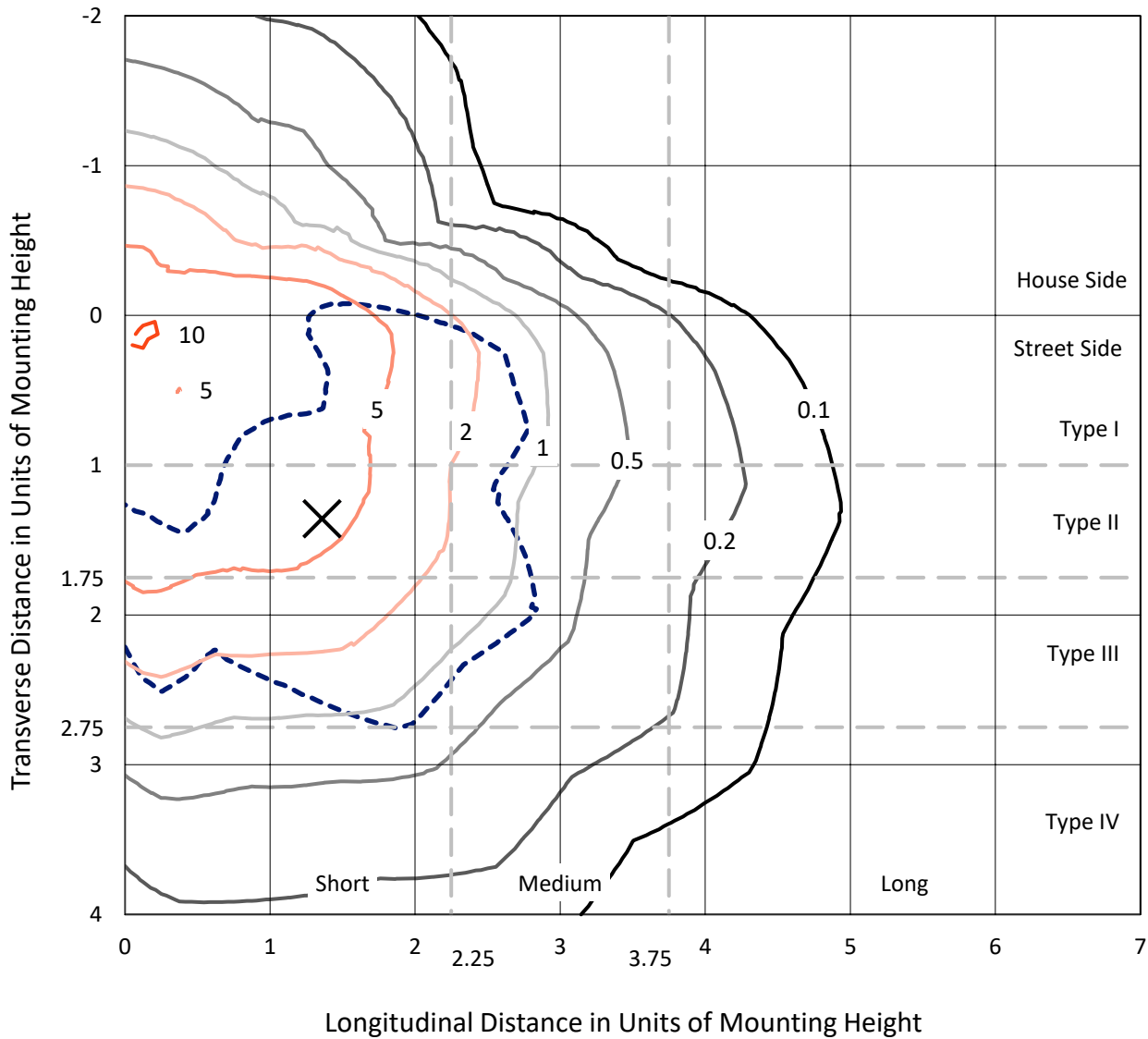
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630291
 CATALOG NUMBER: GWS-SA1D-735-U-SLR-W

Iso-Footcandle Lines of Horizontal Illumination

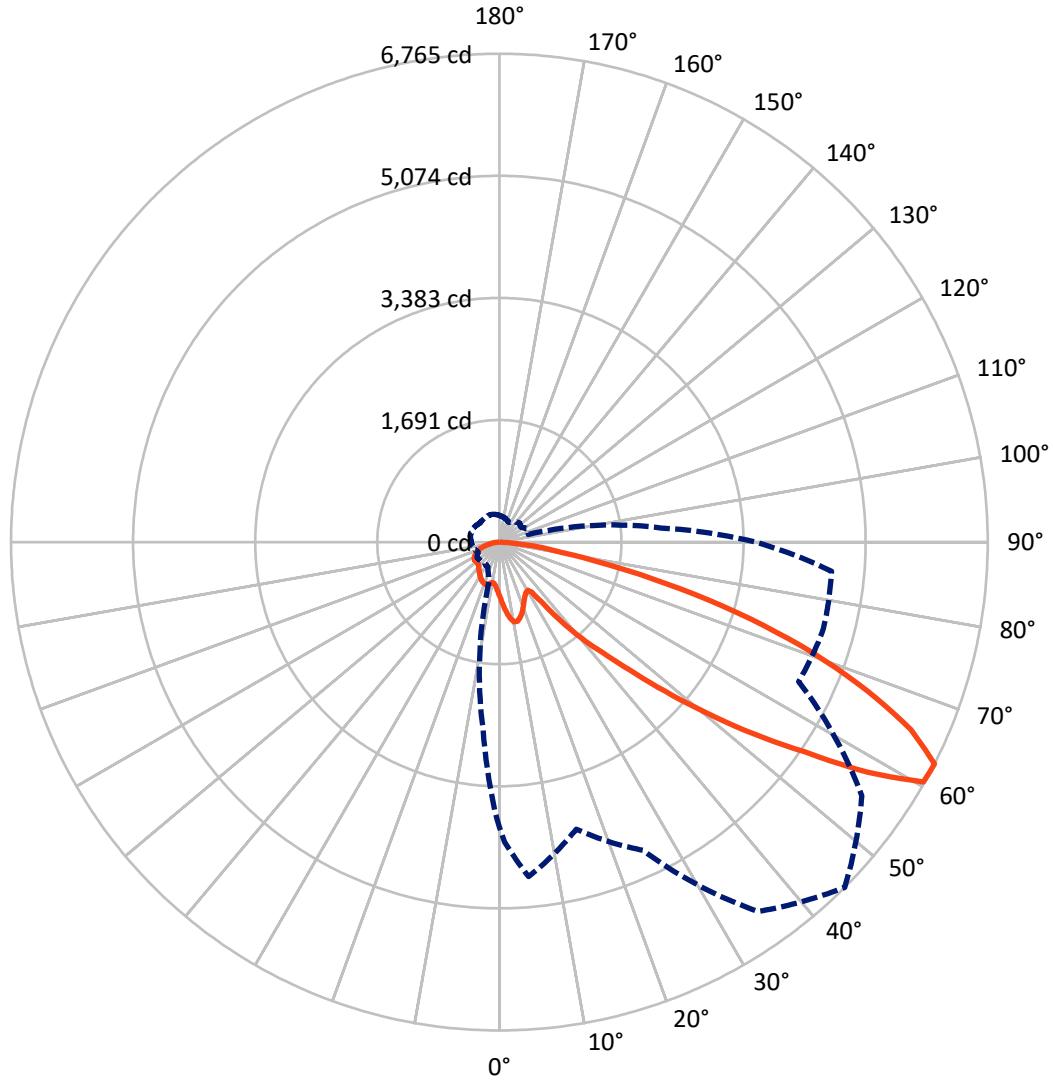
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
 Type III - Short - N/A

REPORT NUMBER: P630291
CATALOG NUMBER: GWS-SA1D-735-U-SLR-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P630291

CATALOG NUMBER: GWS-SA1D-735-U-SLR-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1351.3	0.0	1351.3
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4311.6	0.0	4311.6
	% Fixture	76.1	0.0	76.1
Total	Lumens	5662.8	0.0	5662.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.4	1.3
10°-20°	230.1	4.1
20°-30°	357.4	6.3
30°-40°	485.2	8.6
40°-50°	769.1	13.6
50°-60°	1356.6	24.0
60°-70°	1509.5	26.7
70°-80°	765.5	13.5
80°-90°	115.9	2.0
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°	5662.8	100.0
0°-180°	5662.8	100.0

Coefficient of Utilization



REPORT NUMBER: P630291

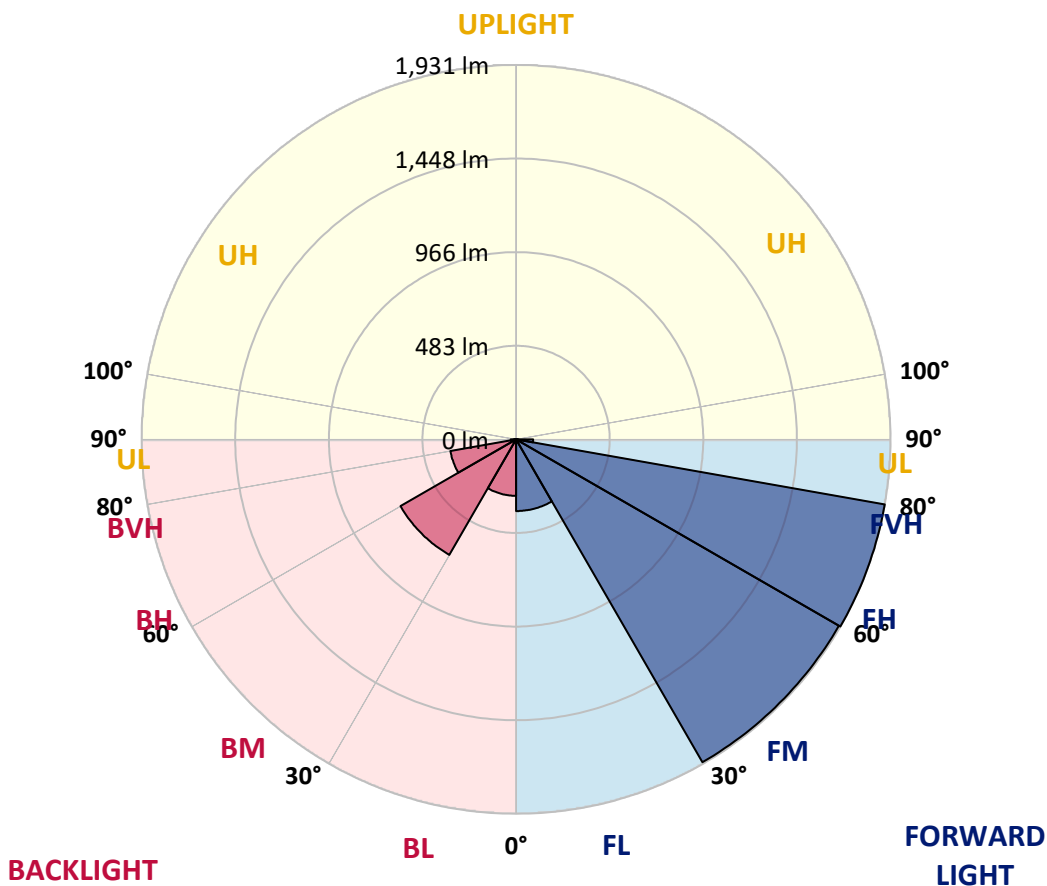
CATALOG NUMBER: GWS-SA1D-735-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	369.7	6.5			
FM (30°-60°)	1922.8	34.0			
FH (60°-80°)	1931.1	34.1			G2/5000
FVH (80°-90°)	88.0	1.6			G1/100
BL (0°-30°)	291.2	5.1	B1/500		
BM (30°-60°)	688.2	12.2	B1/1000		
BH (60°-80°)	344.0	6.1	B1/500		G1/500
BVH (80°-90°)	27.9	0.5			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 Short





REPORT NUMBER: P630291
 CATALOG NUMBER: GWS-SA1D-735-U-SLR-W

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	751.6	751.6	751.6	751.6	751.6	751.6	751.6	751.6	751.6	751.6	751.6
2.5°	807.7	807.3	815.5	827.9	839.5	844.6	853.2	852.3	845.5	836.5	833.5
5°	871.2	872.9	887.0	914.5	944.9	957.8	963.4	961.2	948.8	932.9	905.1
7.5°	928.6	931.6	953.5	994.7	1032.4	1049.5	1063.3	1060.7	1042.7	1013.1	971.9
10°	970.7	974.1	1000.2	1048.7	1090.7	1105.7	1123.3	1124.1	1108.3	1068.4	1026.4
12.5°	1012.7	1016.1	1040.5	1084.7	1112.1	1112.6	1122.9	1128.4	1129.3	1110.8	1068.8
15°	1056.4	1059.4	1081.7	1106.6	1105.3	1081.3	1081.3	1092.0	1115.6	1128.9	1099.7
17.5°	1093.7	1097.6	1114.7	1106.6	1068.4	1025.1	1020.0	1033.7	1074.8	1125.9	1122.9
20°	1124.6	1127.6	1137.0	1083.0	1013.5	956.9	947.1	962.9	1018.7	1107.4	1140.4
22.5°	1154.1	1155.9	1150.7	1052.1	954.4	889.6	877.6	894.3	954.4	1074.8	1155.4
25°	1189.3	1187.6	1163.2	1020.0	900.3	836.5	824.0	842.9	905.5	1031.5	1171.7
27.5°	1230.0	1223.6	1173.9	985.2	858.8	797.0	788.4	808.6	866.9	991.7	1184.6
30°	1264.8	1252.3	1175.6	954.4	837.3	780.3	775.1	794.0	848.0	964.6	1200.9
32.5°	1303.3	1286.2	1185.4	946.2	849.3	820.6	827.5	828.7	853.2	956.9	1225.3
35°	1358.7	1336.4	1212.5	969.8	972.8	1021.2	1046.1	1012.7	930.8	974.1	1271.6
37.5°	1442.3	1414.0	1267.3	1071.8	1227.9	1336.4	1396.4	1320.1	1166.6	1038.8	1341.5
40°	1543.9	1507.9	1337.6	1260.5	1466.3	1639.9	1746.7	1634.8	1409.2	1200.5	1439.7
42.5°	1685.8	1648.1	1474.0	1445.7	1687.1	1945.6	2084.9	1918.2	1623.2	1409.2	1597.0
45°	1933.2	1896.7	1723.9	1631.3	1945.6	2322.0	2517.5	2285.6	1840.6	1618.9	1891.1
47.5°	2390.2	2347.3	2095.2	1837.1	2240.6	2810.8	3084.3	2746.5	2066.5	1859.0	2385.0
50°	2939.0	2897.8	2561.3	2080.6	2566.4	3333.4	3713.7	3288.0	2326.7	2151.0	2975.4
52.5°	3599.2	3591.5	3226.2	2388.5	2905.5	3890.8	4412.1	3887.8	2611.8	2544.1	3644.2
55°	4194.3	4269.8	4070.8	2857.9	3343.7	4590.9	5130.2	4542.0	2998.6	3194.1	4427.5
57.5°	4515.0	4717.8	5023.5	3815.7	3980.8	5427.8	6016.4	5340.7	3663.1	4276.2	5153.8
60°	4303.2	4533.0	5086.9	4536.9	4612.7	6098.3	6747.8	6012.1	4315.6	5027.3	5112.6
62.5°	3950.8	4157.0	4649.6	4115.8	4710.5	6245.8	6765.0	6129.2	4575.0	4646.2	4618.3
65°	3532.8	3740.7	4262.5	3592.8	4399.7	5895.5	6265.9	5784.9	4109.0	4197.7	4208.0
67.5°	2977.6	3169.6	3700.8	3194.5	4010.4	5381.5	5499.8	5294.4	3784.0	3925.5	3777.6
70°	2224.7	2397.9	2866.9	2596.0	3380.6	4711.8	4616.2	4646.6	3419.1	3559.8	3155.5
72.5°	1520.3	1650.6	2052.8	2039.9	2588.7	3772.0	3638.7	3927.2	2855.8	3042.3	2405.6
75°	1063.3	1164.9	1483.8	1611.6	1956.7	2795.8	2591.3	2939.4	2230.3	2496.5	1755.2
77.5°	652.5	719.8	937.2	1194.0	1258.8	1913.4	1609.5	2211.8	1566.2	1820.8	1170.9
80°	326.3	358.8	455.3	750.7	834.7	1127.6	888.8	1284.1	1059.8	1127.6	647.8
82.5°	98.6	108.9	133.3	285.1	432.6	649.1	525.2	746.0	578.8	528.6	255.1
85°	26.2	29.6	36.9	84.5	151.8	232.8	177.5	361.4	277.4	195.1	96.0
87.5°	2.1	2.1	1.7	1.7	0.9	0.0	0.0	25.7	51.9	29.6	16.7
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: P630291
 CATALOG NUMBER: GWS-SA1D-735-U-SLR-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	751.6	751.6	751.6	751.6	751.6	751.6	751.6	751.6	751.6	751.6	751.6
2.5°	818.5	816.7	799.2	786.3	771.3	756.7	741.7	728.4	713.4	698.4	694.1
5°	884.5	872.5	835.2	803.9	773.0	746.0	722.4	698.0	678.3	659.0	651.7
7.5°	942.8	921.8	867.8	820.2	777.3	743.9	709.1	673.5	645.7	618.2	611.4
10°	995.5	967.7	899.5	839.5	791.9	753.7	713.0	665.4	625.1	591.7	582.6
12.5°	1034.5	1004.1	926.9	857.9	803.9	761.0	720.7	678.7	636.2	592.9	583.1
15°	1065.4	1033.7	949.6	872.0	804.3	749.0	710.0	695.4	682.1	639.7	621.7
17.5°	1090.3	1056.8	969.4	880.6	792.7	712.6	678.7	700.1	734.0	707.4	673.5
20°	1113.0	1079.1	984.4	886.6	767.0	662.4	643.5	689.0	740.0	739.1	708.7
22.5°	1137.9	1104.8	1006.2	890.1	731.0	611.4	622.5	672.7	714.3	726.7	707.8
25°	1169.6	1140.4	1036.7	897.8	690.3	576.2	607.1	651.7	686.4	689.4	678.3
27.5°	1206.5	1184.6	1082.1	915.8	650.8	558.2	589.1	622.1	653.8	655.1	641.8
30°	1246.8	1232.2	1124.1	930.8	621.2	552.6	565.9	592.5	612.7	616.1	604.5
32.5°	1298.2	1285.3	1161.4	920.9	603.7	551.4	544.5	558.2	574.9	574.9	565.9
35°	1368.9	1350.9	1200.9	883.2	582.2	546.2	521.8	525.6	532.9	534.2	529.1
37.5°	1469.3	1439.7	1240.8	808.6	547.1	527.8	495.6	490.9	493.5	496.9	495.6
40°	1593.6	1545.2	1299.1	719.0	505.0	492.2	468.6	459.6	457.5	464.3	466.9
42.5°	1750.1	1675.9	1361.7	635.4	466.9	451.5	436.9	429.2	425.7	437.3	444.2
45°	2000.0	1877.9	1421.7	552.6	445.5	416.7	406.9	401.3	403.0	416.7	425.3
47.5°	2431.8	2186.1	1478.7	500.3	443.7	391.9	379.9	381.1	385.9	400.4	410.7
50°	2978.0	2599.0	1516.9	478.5	448.9	376.9	361.0	367.9	375.1	389.3	401.3
52.5°	3534.0	2983.6	1471.4	466.5	448.5	377.3	343.4	364.0	367.4	381.6	394.4
55°	3916.5	3026.4	1271.2	448.0	441.6	394.4	329.7	362.3	364.4	377.3	388.9
57.5°	4062.2	2879.8	969.4	453.2	421.0	407.7	323.7	350.3	365.7	376.9	388.9
60°	3886.0	2603.3	589.1	466.5	388.0	406.9	327.6	328.4	355.0	373.9	385.9
62.5°	3553.8	2248.3	413.7	428.7	364.0	384.1	336.6	302.7	336.1	358.8	369.6
65°	3173.1	1830.7	315.5	369.1	352.4	349.0	339.6	280.0	310.4	332.7	342.1
67.5°	2776.5	1423.0	256.4	275.2	318.5	315.5	310.4	259.8	280.0	295.8	306.5
70°	2277.0	995.5	216.5	206.6	273.1	283.0	271.4	234.5	240.9	257.2	265.8
72.5°	1665.6	620.4	177.9	170.6	219.5	247.4	241.4	206.6	209.7	225.1	231.9
75°	1197.9	355.0	142.8	140.6	167.6	211.8	199.8	177.9	181.4	192.9	197.6
77.5°	761.4	197.6	110.2	113.2	120.0	158.2	170.6	152.2	152.2	159.1	162.9
80°	407.7	113.2	80.6	81.9	84.0	120.9	134.6	117.9	117.9	113.2	117.9
82.5°	166.3	65.2	55.3	51.4	56.2	82.7	94.3	75.0	78.5	70.7	72.5
85°	54.9	32.6	27.4	27.0	26.6	36.4	45.4	37.3	44.6	28.3	29.6
87.5°	7.3	6.0	3.4	2.6	3.0	1.3	2.6	3.0	3.0	2.1	2.1
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: P630291
 CATALOG NUMBER: GWS-SA1D-735-U-SLR-W

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	751.6	751.6	751.6	751.6	751.6	751.6	751.6	751.6	751.6	751.6	751.6
2.5°	691.1	687.7	675.3	678.3	676.1	672.7	676.1	669.7	674.8	676.5	687.3
5°	646.1	638.0	626.0	619.9	618.7	615.2	615.7	612.7	613.5	620.8	632.8
7.5°	605.8	598.1	588.7	584.4	580.5	576.6	576.2	575.8	579.2	585.6	597.2
10°	576.6	572.4	568.5	570.2	568.5	566.8	563.8	563.8	569.4	580.9	595.1
12.5°	576.6	575.8	576.6	581.8	581.4	581.8	577.9	580.1	595.5	615.2	635.4
15°	607.5	600.7	600.7	603.2	602.4	602.4	602.4	611.4	646.5	677.0	698.4
17.5°	645.2	625.1	616.5	615.2	614.8	614.8	616.5	635.8	690.7	722.8	735.3
20°	671.4	633.2	619.1	613.5	613.9	614.8	619.9	646.5	707.0	723.3	720.3
22.5°	676.1	626.8	609.7	601.5	602.8	603.7	611.4	639.7	684.7	687.3	681.3
25°	654.2	608.8	590.4	583.9	585.6	585.2	592.1	612.7	644.8	644.0	640.5
27.5°	621.7	580.1	566.4	562.1	565.1	561.6	563.8	579.6	604.5	603.7	602.4
30°	588.2	552.2	539.8	537.6	541.5	536.3	536.8	550.1	567.2	566.4	565.9
32.5°	554.8	524.3	513.2	513.2	517.1	511.5	512.3	523.9	535.5	532.1	532.1
35°	523.1	501.6	492.6	490.9	493.9	490.0	491.8	502.5	506.8	502.0	499.0
37.5°	495.2	485.8	476.8	470.7	471.2	471.6	476.8	484.9	482.3	475.5	471.6
40°	469.5	469.5	460.9	449.7	448.5	451.5	460.0	469.0	461.7	454.0	449.3
42.5°	451.0	454.9	446.7	435.6	433.0	438.2	447.6	454.0	445.5	436.9	430.4
45°	433.9	443.3	437.7	425.3	421.9	427.9	439.9	442.5	430.9	422.7	418.0
47.5°	421.9	434.7	430.9	418.9	413.7	422.3	434.7	434.3	419.7	411.2	407.3
50°	413.3	429.6	429.2	418.9	413.3	424.0	435.2	429.6	413.7	404.7	400.9
52.5°	406.4	429.2	432.2	426.2	422.3	431.7	438.6	427.9	409.4	400.0	397.0
55°	403.4	430.9	433.0	427.4	424.0	432.6	438.6	431.3	409.4	400.9	398.3
57.5°	404.3	428.7	429.2	421.4	415.4	426.2	435.6	433.4	414.2	404.3	401.3
60°	399.2	417.2	418.0	406.0	399.2	412.0	428.7	427.4	412.0	401.7	396.1
62.5°	382.0	397.9	398.3	387.1	377.3	395.7	414.2	413.7	399.6	389.3	382.9
65°	353.3	370.0	374.3	363.6	355.8	375.6	394.9	394.0	379.9	370.4	364.0
67.5°	317.7	335.7	343.8	336.6	333.6	351.6	369.6	369.1	357.6	348.6	343.0
70°	274.4	289.4	303.1	303.1	301.0	321.5	340.8	339.1	328.4	321.5	317.3
72.5°	238.4	250.0	254.2	258.5	265.0	286.4	302.7	304.0	296.3	292.8	296.3
75°	202.8	210.1	213.9	210.5	221.7	243.9	265.4	267.5	259.4	253.8	255.1
77.5°	166.8	174.9	178.8	171.1	170.2	198.5	224.7	229.4	222.5	213.9	216.5
80°	120.5	131.2	137.6	132.5	130.8	143.2	179.2	184.4	177.9	171.1	174.9
82.5°	73.7	79.7	81.5	86.6	97.3	102.5	115.3	132.5	127.8	121.8	132.5
85°	29.2	34.7	38.6	43.7	51.0	60.5	71.2	84.9	77.2	74.6	87.9
87.5°	1.7	0.4	0.0	0.9	7.3	14.1	30.4	42.0	35.2	37.7	45.4
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: P630291
 CATALOG NUMBER: GWS-SA1D-735-U-SLR-W

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	751.6	751.6	751.6	751.6	751.6	751.6	751.6	751.6	751.6	751.6
2.5°	695.8	707.0	722.0	734.4	750.3	765.3	780.7	796.2	804.3	807.7
5°	646.5	667.1	691.1	717.7	748.6	781.2	814.2	848.0	869.5	871.2
7.5°	616.9	646.5	679.5	713.0	751.1	796.2	848.5	900.8	922.6	928.6
10°	626.4	659.4	685.5	716.8	758.9	815.0	876.8	938.1	963.4	970.7
12.5°	664.1	670.5	678.7	707.4	758.9	831.3	905.9	978.8	1005.8	1012.7
15°	695.4	664.5	650.0	680.4	748.6	845.5	936.8	1017.4	1050.0	1056.4
17.5°	698.0	644.8	613.1	640.5	730.6	855.3	966.4	1060.3	1087.7	1093.7
20°	671.8	623.8	582.6	599.4	706.1	859.6	987.8	1091.6	1118.6	1124.6
22.5°	642.2	606.7	562.1	561.2	676.5	864.3	1013.5	1121.1	1150.3	1154.1
25°	614.4	583.1	545.3	533.3	642.2	873.3	1048.3	1165.7	1188.0	1189.3
27.5°	581.8	557.8	532.1	520.5	612.2	890.5	1099.7	1218.9	1232.2	1230.0
30°	552.2	534.2	522.6	519.2	593.4	903.3	1148.6	1271.2	1272.1	1264.8
32.5°	520.9	514.1	514.1	525.2	577.9	900.3	1188.4	1322.2	1314.1	1303.3
35°	493.0	494.3	503.3	529.5	552.2	870.3	1226.6	1386.1	1374.1	1358.7
37.5°	466.5	476.3	489.2	514.5	518.3	825.7	1271.2	1476.6	1461.6	1442.3
40°	443.7	458.7	473.8	486.2	482.3	762.3	1333.4	1582.9	1566.2	1543.9
42.5°	425.7	440.3	457.0	458.3	459.6	696.3	1399.4	1713.2	1710.2	1685.8
45°	414.2	423.6	439.5	437.3	458.3	623.4	1460.3	1912.1	1951.6	1933.2
47.5°	406.4	413.7	415.4	424.4	469.5	558.2	1538.7	2301.4	2411.2	2390.2
50°	402.2	409.4	390.1	425.3	471.2	516.2	1647.2	2790.2	2966.8	2939.0
52.5°	401.7	400.0	370.9	434.3	461.7	490.5	1703.8	3146.9	3538.8	3599.2
55°	402.6	381.1	361.0	436.9	442.9	481.0	1514.3	3318.4	4066.5	4194.3
57.5°	394.9	360.6	366.6	426.6	407.3	506.3	1119.4	3257.1	4277.5	4515.0
60°	380.3	340.8	376.9	398.7	370.9	463.0	770.9	2983.6	4058.8	4303.2
62.5°	359.3	327.1	375.6	362.7	357.6	379.0	529.9	2600.7	3712.0	3950.8
65°	335.7	316.0	355.4	328.0	331.0	291.5	374.7	2168.5	3297.8	3532.8
67.5°	310.4	309.1	325.8	292.0	279.5	231.1	273.1	1738.1	2765.8	2977.6
70°	281.7	291.1	296.3	259.4	226.8	181.4	202.8	1215.5	2040.3	2224.7
72.5°	253.0	253.8	261.1	225.5	169.8	145.3	152.2	736.1	1386.1	1520.3
75°	223.8	215.7	222.5	183.5	126.5	119.2	117.5	454.9	957.4	1063.3
77.5°	192.5	183.5	174.5	138.1	101.6	92.2	90.0	255.1	587.4	652.5
80°	156.5	144.5	130.3	101.2	74.2	66.0	65.6	124.3	292.8	326.3
82.5°	121.8	99.0	95.2	63.0	45.9	40.3	42.9	47.6	88.3	98.6
85°	85.3	72.0	50.6	25.3	20.6	16.7	16.3	14.1	23.6	26.2
87.5°	47.6	31.3	16.3	3.0	3.4	3.9	3.0	2.1	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)