

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: P631274

Luminaire Tested: GWS-SA1F-735-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631274
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-735-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4455.7 lumens
Efficiency: N/A
Efficacy: 66.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

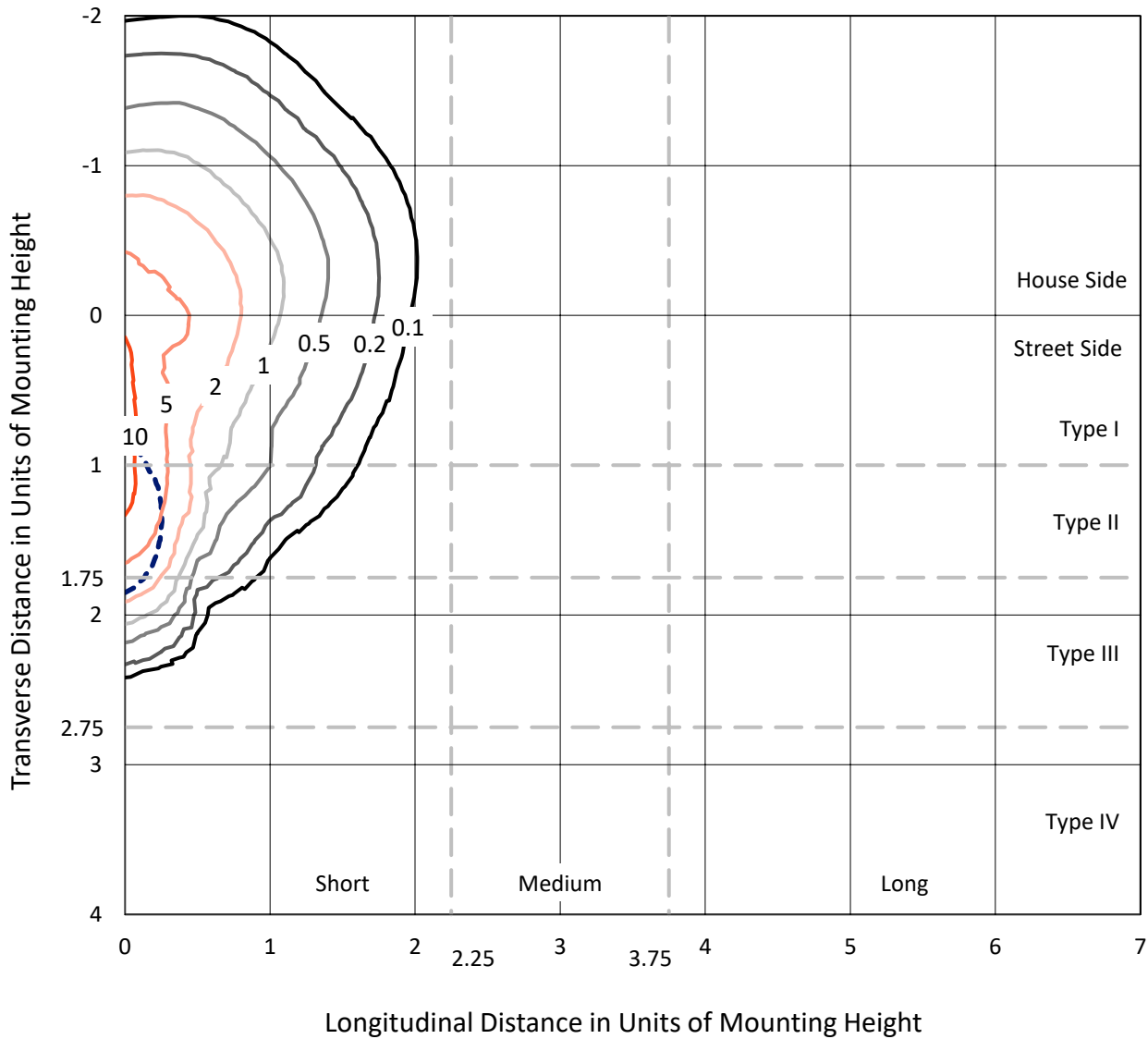
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631274
 CATALOG NUMBER: GWS-SA1F-735-U-SLL-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

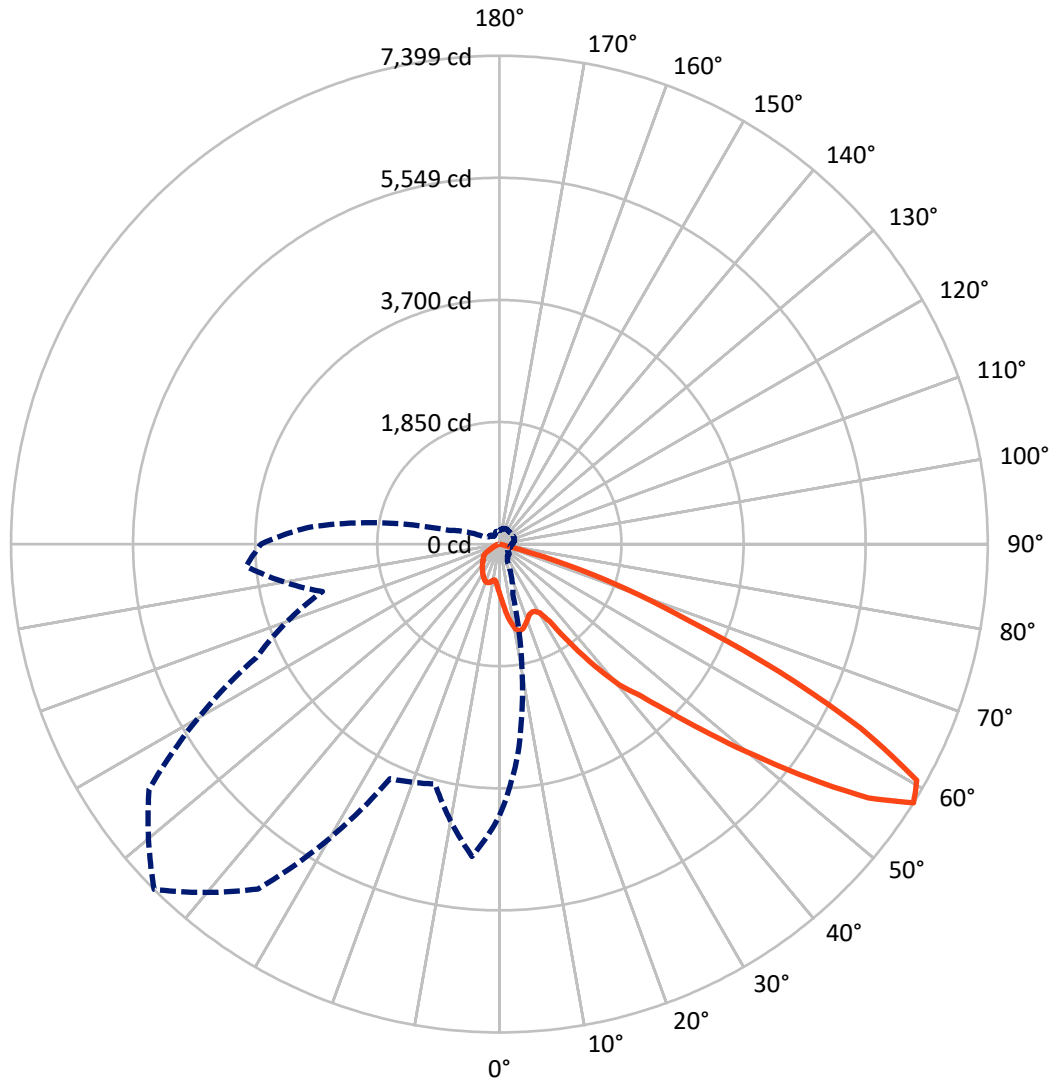
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.9 fc
 Type III - Short - N/A

REPORT NUMBER: P631274
CATALOG NUMBER: GWS-SA1F-735-U-SLL-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P631274
 CATALOG NUMBER: GWS-SA1F-735-U-SLL-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	959.9	0.0	959.9
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	3495.8	0.0	3495.8
	% Fixture	78.5	0.0	78.5
Total	Lumens	4455.7	0.0	4455.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.8	1.7
10°-20°	246.2	5.5
20°-30°	399.6	9.0
30°-40°	613.3	13.8
40°-50°	979.5	22.0
50°-60°	1371.4	30.8
60°-70°	703.2	15.8
70°-80°	67.7	1.5
80°-90°	0.0	0.0
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°	4455.7	100.0
0°-180°	4455.7	100.0

Coefficient of Utilization



REPORT NUMBER: P631274

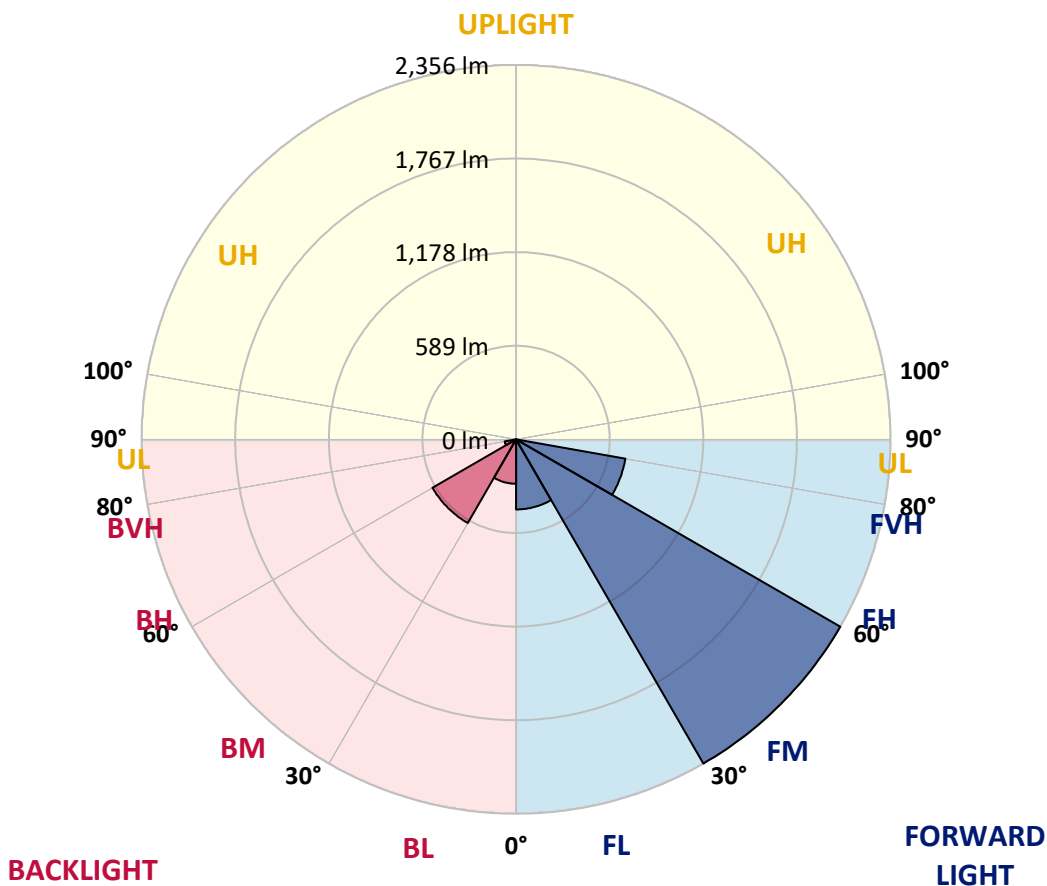
CATALOG NUMBER: GWS-SA1F-735-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	441.1	9.9			
FM (30°-60°)	2356.3	52.9			
FH (60°-80°)	698.4	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	279.5	6.3	B1/500		
BM (30°-60°)	607.9	13.6	B1/1000		
BH (60°-80°)	72.5	1.6	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
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 Short





REPORT NUMBER: P631274

CATALOG NUMBER: GWS-SA1F-735-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1
2.5°	841.1	839.3	833.3	813.1	800.6	780.9	766.6	748.2	727.9	715.4	702.9
5°	930.4	925.7	909.6	863.1	827.4	788.7	757.7	723.7	687.4	663.6	641.5
7.5°	1016.2	1009.1	987.6	909.0	854.8	799.4	755.3	705.9	654.6	618.9	591.5
10°	1100.2	1084.1	1050.2	953.7	880.4	813.7	761.9	705.3	645.1	599.8	569.5
12.5°	1169.3	1157.4	1110.9	996.0	901.8	816.7	752.9	700.5	660.0	629.6	601.6
15°	1228.9	1215.8	1171.7	1034.1	920.3	804.7	715.4	669.5	676.1	688.0	664.2
17.5°	1283.7	1270.0	1222.3	1065.6	927.4	775.6	663.0	640.9	677.3	721.9	713.0
20°	1340.2	1324.8	1266.4	1091.3	925.1	729.7	610.0	616.5	667.7	719.0	723.7
22.5°	1406.4	1390.3	1322.4	1124.0	923.3	674.9	564.1	595.1	649.9	693.4	701.7
25°	1493.9	1474.9	1400.4	1172.3	928.0	624.9	531.3	574.2	619.5	658.8	663.6
27.5°	1609.5	1585.1	1490.4	1231.8	938.2	585.5	517.0	545.6	580.8	615.9	620.1
30°	1760.2	1729.2	1593.4	1283.7	933.4	558.1	507.5	517.0	537.9	566.5	567.1
32.5°	1936.5	1894.2	1709.0	1328.3	892.3	537.9	494.4	487.8	492.6	514.7	518.8
35°	2143.8	2089.0	1836.4	1370.6	817.3	498.6	470.6	448.5	446.7	457.5	467.6
37.5°	2381.5	2315.9	1997.3	1424.8	728.5	457.5	435.4	413.4	403.9	409.2	424.7
40°	2600.7	2528.0	2165.2	1490.4	638.0	420.5	394.3	371.7	360.4	362.2	381.2
42.5°	2858.0	2782.9	2370.7	1576.1	562.9	395.5	351.4	328.2	313.3	321.7	343.7
45°	3248.8	3163.6	2670.4	1650.6	503.3	389.6	313.9	281.2	274.0	288.3	314.5
47.5°	3782.5	3678.2	3082.0	1695.9	452.7	394.9	287.7	243.0	244.8	260.9	287.1
50°	4312.0	4199.4	3557.9	1636.3	411.0	384.2	274.6	213.2	224.6	238.9	262.7
52.5°	4676.0	4529.4	3789.6	1464.1	372.9	343.7	273.4	185.3	206.7	211.5	231.7
55°	4690.3	4509.8	3671.1	1154.4	321.1	290.1	260.9	162.0	187.0	188.8	206.1
57.5°	4111.3	3948.1	3208.2	792.8	285.3	212.7	207.9	141.8	153.7	168.6	179.3
60°	3127.8	2989.0	2399.3	363.4	216.8	135.2	142.4	122.1	115.0	137.0	147.7
62.5°	1915.7	1826.9	1439.1	160.8	138.2	72.1	86.4	97.1	86.4	94.7	103.6
65°	760.7	721.3	546.2	68.5	56.6	36.3	39.3	56.6	60.8	66.7	75.1
67.5°	132.2	125.1	91.7	30.4	23.2	22.0	19.1	26.2	36.9	41.1	47.7
70°	17.3	16.7	14.9	12.5	11.9	10.7	8.3	16.7	25.0	26.2	30.4
72.5°	4.2	3.6	3.6	3.0	3.6	1.2	1.2	8.9	17.9	18.5	21.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	11.3	12.5	14.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P631274
 CATALOG NUMBER: GWS-SA1F-735-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1
2.5°	692.8	680.8	676.7	670.7	663.0	665.4	654.6	651.1	656.4	663.6	661.8
5°	629.6	616.5	607.6	593.9	591.5	586.1	582.6	577.8	583.8	592.1	593.9
7.5°	579.6	568.3	559.3	555.2	552.2	549.8	542.7	539.1	539.1	542.7	545.6
10°	558.1	549.8	548.0	549.2	554.0	553.4	546.8	542.1	536.1	533.1	536.7
12.5°	587.9	574.2	571.8	572.4	578.4	577.8	570.6	564.7	563.5	564.7	576.0
15°	638.6	617.7	602.2	599.2	602.2	601.0	595.7	592.1	593.9	611.2	630.2
17.5°	683.8	651.7	623.7	612.9	612.3	610.6	605.2	604.0	612.9	645.1	673.1
20°	696.9	665.4	625.4	611.7	608.8	607.0	601.0	602.8	614.1	652.8	676.7
22.5°	679.7	649.3	607.6	593.9	591.5	590.9	584.9	587.3	596.9	630.8	650.5
25°	646.9	621.3	577.8	565.9	565.9	564.7	559.3	560.5	566.5	596.3	615.3
27.5°	607.0	582.6	546.2	534.3	536.1	537.9	531.3	529.5	534.3	562.3	573.6
30°	561.1	543.8	515.2	504.5	503.9	511.1	502.1	499.8	506.3	528.4	530.7
32.5°	516.4	508.1	487.8	479.5	480.1	481.3	476.5	476.5	482.5	494.4	493.8
35°	473.0	467.6	464.0	458.1	457.5	455.1	455.1	456.3	462.8	467.0	459.3
37.5°	431.3	436.6	440.8	434.8	430.1	430.1	430.1	435.4	441.4	439.6	426.5
40°	394.3	405.6	418.8	412.2	400.9	400.3	402.7	411.6	420.5	409.8	397.9
42.5°	362.8	377.1	395.5	391.9	379.4	377.7	379.4	390.8	397.9	384.2	371.1
45°	331.8	349.7	371.7	371.7	358.0	356.2	356.8	371.7	375.9	359.8	343.1
47.5°	305.6	325.2	348.5	348.5	337.1	333.6	336.6	352.0	355.0	332.4	316.9
50°	280.6	302.0	327.6	325.8	318.1	315.1	320.5	337.1	333.6	308.6	292.5
52.5°	249.0	271.6	306.8	308.6	304.4	305.0	311.5	322.3	312.1	281.7	268.0
55°	220.4	243.6	278.8	288.3	288.3	287.7	290.7	299.0	290.7	254.3	237.7
57.5°	189.4	209.1	238.3	240.6	242.4	235.9	240.1	251.4	247.2	216.2	206.7
60°	155.5	172.1	188.8	190.6	182.9	169.2	176.9	190.0	193.0	169.8	159.0
62.5°	110.2	126.3	145.9	145.9	138.2	124.5	134.6	145.9	141.8	117.9	111.4
65°	82.2	97.1	112.0	118.5	112.0	102.5	110.2	118.5	112.0	92.3	82.8
67.5°	53.0	63.1	72.1	77.4	78.6	77.4	81.0	78.6	70.9	57.8	52.4
70°	32.2	37.5	42.3	47.1	50.6	52.4	54.2	48.8	41.1	34.0	32.2
72.5°	23.2	28.0	32.2	35.7	39.9	41.1	41.1	37.5	30.4	23.8	22.0
75°	16.1	20.3	23.8	26.2	29.8	31.0	31.0	28.0	22.6	17.3	15.5
77.5°	0.6	4.2	4.2	3.6	4.8	6.0	6.0	7.1	6.6	4.8	4.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P631274
 CATALOG NUMBER: GWS-SA1F-735-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1
2.5°	665.4	686.8	692.8	714.8	734.5	754.1	777.9	792.2	813.7	828.6	836.9
5°	599.8	617.7	639.1	671.9	705.9	743.4	788.7	828.0	877.4	913.7	925.7
7.5°	552.2	575.4	600.4	641.5	688.0	738.0	801.8	866.1	941.7	991.2	1022.8
10°	543.2	567.1	600.4	640.9	689.8	747.0	825.0	908.4	1003.1	1063.3	1099.0
12.5°	586.1	611.7	626.0	644.5	681.4	745.2	845.2	951.3	1062.7	1128.2	1166.3
15°	649.3	671.9	648.7	625.4	649.3	726.1	856.6	987.0	1115.1	1190.7	1230.0
17.5°	692.8	694.5	643.9	594.5	601.0	691.6	860.7	1022.8	1171.1	1250.3	1291.4
20°	688.6	674.3	623.1	568.3	548.0	646.9	856.0	1054.3	1227.7	1310.5	1351.0
22.5°	656.4	639.7	596.3	542.7	503.3	593.9	847.6	1082.9	1279.5	1373.6	1411.7
25°	617.7	599.8	564.1	517.0	474.7	542.7	841.1	1122.2	1345.0	1455.8	1485.6
27.5°	572.4	556.9	526.6	492.6	462.8	503.9	839.3	1174.1	1424.2	1555.9	1576.7
30°	528.4	514.1	490.2	470.6	458.1	481.3	833.3	1229.5	1518.9	1670.8	1693.5
32.5°	486.1	471.8	456.9	453.9	454.5	473.0	813.1	1284.3	1631.5	1837.6	1854.3
35°	449.7	433.0	427.1	434.2	447.3	458.7	755.9	1329.5	1752.4	2019.3	2033.0
37.5°	415.2	398.5	397.9	415.2	429.5	436.6	688.6	1374.2	1915.7	2204.0	2221.2
40°	383.6	366.9	372.9	393.7	405.1	408.6	607.0	1442.1	2088.4	2398.7	2389.2
42.5°	356.8	339.5	343.1	369.9	380.0	389.6	531.9	1498.7	2254.6	2583.4	2580.4
45°	330.6	317.5	315.1	344.3	353.2	391.4	477.1	1542.2	2468.4	2818.7	2823.4
47.5°	305.0	294.9	295.4	308.0	330.0	400.3	430.7	1570.8	2778.8	3191.6	3108.8
50°	281.7	274.0	280.6	266.3	315.1	389.0	390.8	1564.8	3125.5	3549.0	3382.8
52.5°	256.1	254.3	257.3	222.8	291.3	343.1	353.2	1485.6	3288.1	3793.2	3698.5
55°	229.9	229.3	205.5	178.1	243.6	274.0	302.6	1239.6	3282.7	3923.0	4038.0
57.5°	199.0	194.2	156.1	145.3	189.4	190.6	275.8	811.9	2909.2	3612.1	3850.4
60°	150.7	147.1	114.4	117.9	132.2	122.1	219.8	404.5	2174.2	2813.9	3082.6
62.5°	104.2	99.5	85.2	91.1	85.2	69.7	134.6	200.1	1317.0	1776.9	2020.5
65°	76.2	70.9	58.4	50.0	39.9	39.9	51.2	76.8	509.9	755.3	910.8
67.5°	47.1	44.7	34.5	25.0	24.4	26.2	26.8	38.1	82.2	131.0	160.2
70°	30.4	28.0	23.2	16.1	14.9	15.5	16.1	17.9	20.8	22.6	27.4
72.5°	20.8	19.7	16.7	8.9	7.1	7.7	8.3	8.3	10.1	9.5	11.3
75°	14.9	13.7	11.9	4.2	2.4	3.0	3.6	3.0	3.6	2.4	3.0
77.5°	4.2	4.2	3.0	0.6	0.0	0.6	1.2	1.2	0.6	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P631274

CATALOG NUMBER: GWS-SA1F-735-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1
2.5°	858.4	872.1	877.4	869.7	876.2	865.5	861.3	845.2	844.1	841.1
5°	973.9	1004.9	1023.4	1034.7	1021.6	1007.3	985.8	948.9	937.6	930.4
7.5°	1087.7	1135.9	1167.5	1182.4	1178.8	1149.6	1110.9	1049.0	1026.9	1016.2
10°	1186.6	1245.5	1283.7	1302.1	1294.4	1268.8	1213.4	1135.9	1106.7	1100.2
12.5°	1255.7	1309.9	1336.1	1352.2	1352.8	1342.6	1290.2	1212.2	1177.6	1169.3
15°	1299.1	1322.4	1323.0	1332.5	1349.2	1371.8	1347.4	1278.3	1241.4	1228.9
17.5°	1326.5	1300.9	1274.7	1277.1	1304.5	1364.7	1389.7	1336.7	1297.4	1283.7
20°	1346.2	1265.2	1216.3	1216.9	1244.9	1336.1	1418.9	1393.3	1352.8	1340.2
22.5°	1358.7	1233.6	1163.9	1162.1	1191.9	1302.1	1445.7	1460.6	1420.7	1406.4
25°	1384.3	1218.7	1132.4	1142.5	1168.7	1291.4	1482.0	1549.9	1513.0	1493.9
27.5°	1430.2	1233.6	1129.4	1152.6	1182.4	1323.0	1545.2	1669.1	1630.9	1609.5
30°	1509.4	1289.6	1175.2	1207.4	1243.2	1405.8	1651.2	1835.2	1780.4	1760.2
32.5°	1636.9	1405.8	1317.0	1386.1	1420.7	1541.6	1810.2	2021.7	1977.0	1936.5
35°	1812.6	1670.8	1660.7	1821.5	1813.2	1798.9	2005.6	2250.4	2183.1	2143.8
37.5°	2054.4	2097.3	2172.4	2332.0	2326.7	2217.7	2262.3	2466.6	2432.1	2381.5
40°	2356.4	2447.6	2575.1	2803.8	2732.3	2595.3	2577.4	2688.2	2660.2	2600.7
42.5°	2534.6	2691.8	2934.8	3140.3	3083.2	2843.7	2823.4	2984.3	2922.9	2858.0
45°	2617.3	2890.8	3367.3	3645.5	3472.1	3008.7	3001.0	3370.3	3335.7	3248.8
47.5°	2655.5	3091.5	3873.6	4294.7	3970.7	3153.4	3125.5	3930.2	3884.9	3782.5
50°	2697.8	3368.5	4483.6	5047.1	4572.9	3317.3	3337.5	4452.0	4432.9	4312.0
52.5°	2790.7	3661.5	5234.7	5907.2	5303.2	3574.0	3701.5	4944.0	4815.4	4676.0
55°	2930.1	3980.8	6016.2	6785.8	6048.4	3918.9	4095.2	5205.5	4844.5	4690.3
57.5°	2775.8	4060.6	6479.0	7399.3	6379.0	3920.1	3762.2	4752.2	4260.8	4111.3
60°	2202.8	3777.7	6300.9	7266.5	6097.2	3481.1	2880.6	3710.4	3227.9	3127.8
62.5°	1489.2	3168.3	5546.8	6145.5	5218.6	2738.3	1872.2	2413.0	1998.5	1915.7
65°	816.1	2363.6	4481.8	4649.2	4084.5	1912.7	963.2	1047.2	797.6	760.7
67.5°	225.2	1645.2	3297.6	3084.4	2865.7	1245.5	249.0	187.0	133.4	132.2
70°	56.6	1088.3	1975.8	2036.6	1757.2	797.6	47.7	22.6	17.9	17.3
72.5°	23.8	468.2	937.6	1077.6	899.5	369.3	17.3	6.6	5.4	4.2
75°	3.0	37.5	79.8	120.9	82.8	39.9	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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

(END OF REPORT)