

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: P630890

Luminaire Tested: GWS-SA1E-750-U-SLL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630890  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-39)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-750-U-SLL-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

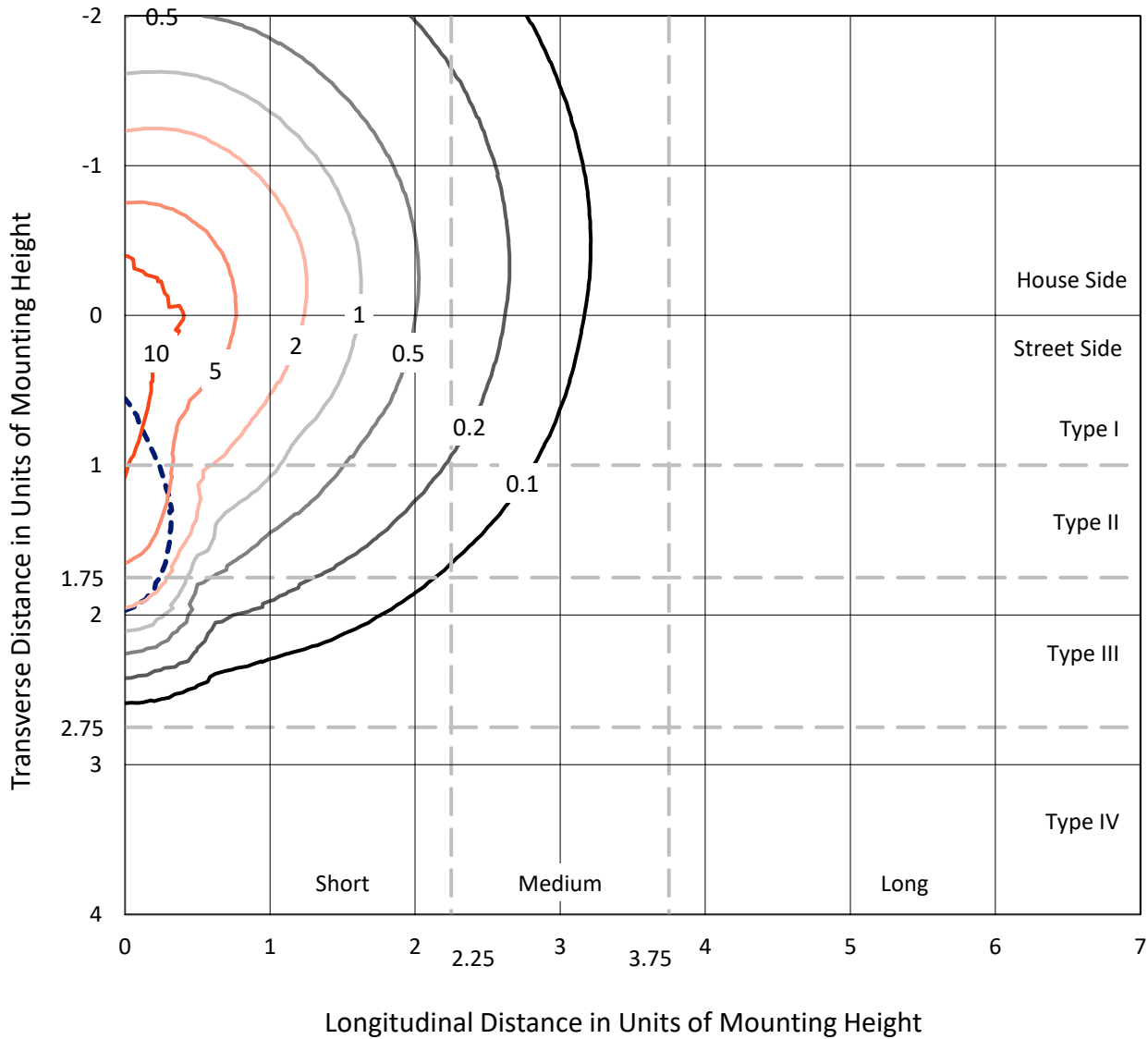
Lumens per Lamp: N/A  
Luminaire Lumens: 6033.4 lumens  
Efficiency: N/A  
Efficacy: 103.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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: P630890  
 CATALOG NUMBER: GWS-SA1E-750-U-SLL-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

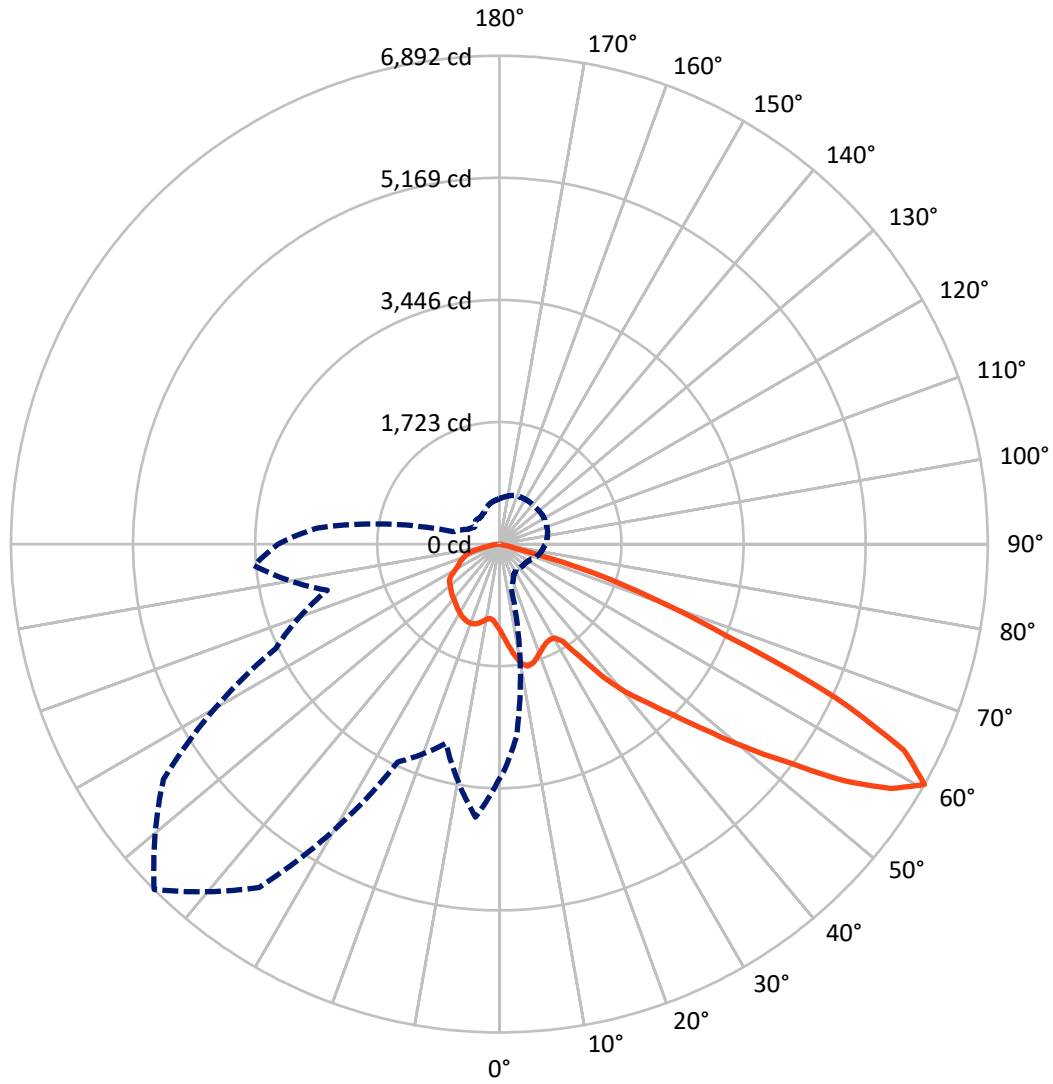
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.7 fc  
 Type III - Short - N/A

REPORT NUMBER: P630890  
CATALOG NUMBER: GWS-SA1E-750-U-SLL-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P630890

CATALOG NUMBER: GWS-SA1E-750-U-SLL-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2064.0	0.0	2064.0
	% Fixture	34.2	0.0	34.2
<b>Street Side</b>	Lumens	3969.4	0.0	3969.4
	% Fixture	65.8	0.0	65.8
<b>Total</b>	Lumens	6033.4	0.0	6033.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.9	2.0
10°-20°	381.3	6.3
20°-30°	621.0	10.3
30°-40°	872.4	14.5
40°-50°	1193.8	19.8
50°-60°	1531.6	25.4
60°-70°	1031.3	17.1
70°-80°	257.8	4.3
80°-90°	25.1	0.4
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°	6033.4	100.0
0°-180°	6033.4	100.0

**Coefficient of Utilization**



REPORT NUMBER: P630890

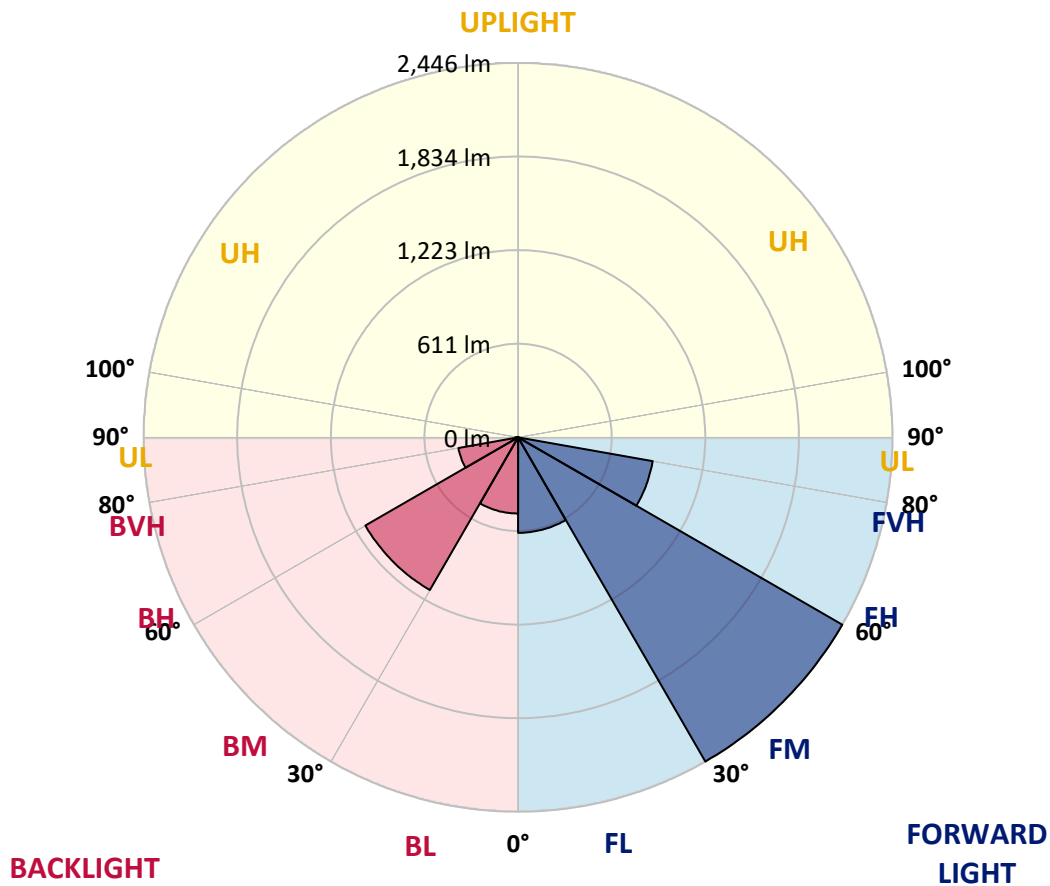
CATALOG NUMBER: GWS-SA1E-750-U-SLL-W-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	623.7	10.3			
FM (30°-60°)	2446.0	40.5			
FH (60°-80°)	893.2	14.8			G1/1800
FVH (80°-90°)	6.5	0.1			G0/10
BL (0°-30°)	497.5	8.2	B1/500		
BM (30°-60°)	1151.9	19.1	B2/2500		
BH (60°-80°)	396.0	6.6	B1/500		G1/500
BVH (80°-90°)	18.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type III Short





REPORT NUMBER: P630890

CATALOG NUMBER: GWS-SA1E-750-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9
2.5°	1287.4	1284.7	1281.9	1260.2	1254.7	1239.1	1228.0	1214.1	1194.1	1183.0	1173.5
5°	1368.0	1363.6	1348.6	1304.1	1275.2	1243.5	1217.4	1188.5	1158.0	1138.0	1122.4
7.5°	1444.1	1443.0	1417.5	1344.1	1297.4	1251.9	1216.3	1174.1	1130.2	1100.2	1080.2
10°	1514.7	1506.4	1475.8	1380.2	1319.1	1266.9	1228.5	1181.9	1130.7	1090.2	1063.5
12.5°	1576.9	1566.4	1524.1	1413.6	1338.0	1273.5	1231.9	1193.5	1159.6	1125.7	1095.2
15°	1628.1	1615.3	1572.5	1444.7	1354.7	1269.7	1211.3	1181.3	1193.0	1208.0	1174.1
17.5°	1675.8	1662.5	1610.3	1467.5	1359.7	1245.8	1160.8	1148.0	1206.9	1275.2	1259.7
20°	1715.8	1700.8	1640.3	1478.6	1350.8	1200.2	1095.2	1117.4	1195.2	1276.9	1301.9
22.5°	1759.2	1747.0	1674.2	1494.7	1339.7	1137.4	1040.2	1094.6	1175.2	1246.9	1284.7
25°	1828.6	1813.6	1727.0	1523.0	1334.1	1078.5	1000.7	1072.4	1147.4	1212.4	1241.9
27.5°	1929.2	1901.4	1799.2	1572.5	1340.2	1023.0	975.7	1045.2	1115.2	1170.8	1194.6
30°	2038.7	2005.3	1879.2	1623.6	1349.1	989.1	962.4	1014.1	1065.7	1121.3	1147.4
32.5°	2168.1	2138.7	1964.8	1661.9	1330.2	973.5	952.4	980.2	1021.3	1065.7	1087.4
35°	2322.6	2269.8	2058.1	1693.1	1269.1	950.7	943.5	942.9	964.6	1007.9	1032.4
37.5°	2488.8	2432.1	2173.1	1726.4	1174.1	914.6	922.4	899.0	919.0	953.5	981.3
40°	2624.9	2565.4	2289.3	1772.0	1055.2	857.9	875.7	850.7	862.9	898.5	929.6
42.5°	2758.2	2694.9	2397.6	1823.6	940.2	802.4	811.2	801.8	805.7	842.9	886.3
45°	2933.3	2862.2	2531.0	1860.3	836.8	758.5	750.1	734.0	754.6	802.9	849.0
47.5°	3225.5	3140.5	2749.4	1884.2	761.8	733.5	695.1	685.7	711.2	765.1	812.9
50°	3567.3	3493.9	3098.3	1883.1	705.7	712.3	641.8	633.4	675.7	730.1	780.7
52.5°	3847.3	3772.9	3396.7	1827.5	659.6	667.3	610.7	587.3	645.1	695.7	746.2
55°	4073.5	3989.6	3533.9	1595.3	601.2	595.7	576.8	534.0	606.8	661.2	708.5
57.5°	3951.8	3851.8	3367.8	1213.0	541.2	506.2	518.4	486.7	554.5	622.9	668.4
60°	3313.3	3223.3	2736.0	645.7	476.2	422.8	448.4	453.4	497.3	576.8	623.4
62.5°	2275.9	2210.4	1854.2	391.7	375.6	339.5	379.5	415.6	448.4	515.6	556.2
65°	1113.5	1094.1	927.4	251.2	262.8	274.5	314.5	358.4	406.7	465.6	508.4
67.5°	306.7	308.9	281.2	196.1	207.3	239.5	271.2	306.2	354.5	409.0	452.3
70°	135.0	137.2	141.7	151.1	172.3	201.7	234.5	270.6	315.1	360.6	402.3
72.5°	93.9	96.1	102.8	115.0	133.9	161.7	192.8	227.3	273.4	311.7	346.2
75°	57.8	59.5	65.6	76.1	88.9	110.0	140.6	172.3	212.8	247.8	278.4
77.5°	30.6	29.4	33.3	40.6	51.7	62.8	83.3	103.4	132.2	160.6	186.1
80°	16.7	16.1	18.3	22.2	25.6	34.5	48.3	61.7	78.3	94.5	108.4
82.5°	7.2	6.7	7.2	9.4	11.7	16.7	24.4	33.9	43.3	54.5	63.3
85°	0.0	0.0	0.0	0.6	2.8	4.4	8.3	12.2	17.8	24.4	30.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	5.0
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: P630890

CATALOG NUMBER: GWS-SA1E-750-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9
2.5°	1168.0	1154.1	1153.0	1141.9	1143.0	1143.5	1132.4	1128.0	1131.9	1136.3	1134.1
5°	1116.9	1102.4	1096.3	1085.7	1084.6	1079.6	1075.2	1069.6	1073.5	1077.4	1079.6
7.5°	1072.4	1063.0	1059.1	1056.3	1057.4	1055.2	1046.3	1041.3	1040.7	1042.4	1044.6
10°	1058.0	1050.2	1055.2	1063.0	1068.5	1072.4	1063.0	1054.6	1046.8	1043.5	1043.5
12.5°	1089.1	1079.1	1089.1	1097.4	1108.5	1111.3	1100.7	1091.9	1089.1	1092.4	1099.1
15°	1158.0	1134.6	1134.1	1139.1	1148.0	1152.4	1142.4	1138.0	1138.0	1159.1	1175.8
17.5°	1226.9	1188.5	1172.4	1169.6	1175.2	1176.9	1168.5	1164.6	1174.6	1215.8	1246.9
20°	1275.2	1228.5	1193.5	1186.9	1188.5	1189.1	1182.4	1179.6	1194.1	1244.1	1270.2
22.5°	1270.2	1235.8	1193.0	1184.6	1187.4	1186.3	1180.2	1179.1	1190.8	1234.1	1246.3
25°	1235.8	1209.1	1173.0	1167.4	1171.9	1171.3	1165.2	1162.4	1167.4	1196.3	1197.4
27.5°	1196.3	1173.0	1141.9	1140.2	1147.4	1151.3	1140.7	1132.4	1130.7	1150.2	1145.7
30°	1149.1	1131.9	1106.9	1108.0	1121.3	1123.5	1110.7	1098.5	1095.2	1105.7	1099.6
32.5°	1093.0	1087.4	1074.1	1076.8	1089.6	1094.1	1080.7	1068.0	1064.1	1067.4	1054.6
35°	1045.2	1043.0	1044.1	1049.1	1060.2	1063.5	1052.4	1042.4	1036.8	1025.2	1008.5
37.5°	995.7	1001.8	1018.0	1027.4	1033.5	1032.4	1026.3	1019.1	1010.2	988.5	967.9
40°	949.6	965.2	994.1	1004.6	1006.8	1007.4	1002.9	996.8	985.7	956.8	933.5
42.5°	914.0	931.3	969.6	985.7	986.8	987.9	983.5	978.5	962.9	924.6	901.8
45°	876.8	899.6	944.6	964.1	962.9	962.4	958.5	956.3	937.9	893.5	868.5
47.5°	845.1	871.8	920.2	936.8	936.3	935.7	932.9	932.9	914.6	866.3	837.9
50°	814.0	844.6	895.2	909.0	910.2	909.0	907.9	909.6	887.9	836.3	808.5
52.5°	780.1	814.6	867.4	880.1	886.8	889.6	889.6	885.7	860.1	806.2	775.7
55°	742.9	775.7	836.8	854.0	859.6	864.6	864.6	856.8	832.9	778.5	745.7
57.5°	696.8	725.7	774.0	791.2	804.6	807.9	807.9	795.1	775.7	723.5	696.8
60°	646.8	671.8	704.6	722.9	732.9	726.2	731.2	727.9	712.3	664.0	641.8
62.5°	580.1	605.7	641.8	660.7	665.1	658.4	665.1	664.6	643.4	600.1	573.4
65°	532.3	557.3	592.9	617.3	624.6	622.9	627.3	620.7	594.5	553.4	527.9
67.5°	475.6	502.3	543.4	570.7	585.7	587.3	593.4	579.5	552.9	507.9	475.6
70°	421.7	444.5	476.2	501.8	522.9	533.4	534.5	514.5	481.2	444.0	420.6
72.5°	365.1	388.4	426.7	454.5	481.2	493.4	493.4	469.0	432.9	391.7	366.7
75°	296.2	317.8	352.8	382.8	413.4	429.0	428.4	407.3	367.3	328.4	302.3
77.5°	200.6	216.7	238.9	261.7	266.2	278.4	284.5	257.8	235.6	214.5	191.1
80°	116.7	126.7	138.9	151.7	154.5	158.4	148.4	138.4	126.7	112.8	102.2
82.5°	68.3	75.0	81.1	91.1	92.8	93.9	85.0	80.6	71.1	62.8	56.1
85°	33.3	35.6	41.1	46.1	43.9	42.8	38.9	34.5	30.6	27.2	23.9
87.5°	6.7	6.7	10.0	9.4	7.8	6.7	3.9	5.0	1.1	1.1	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: P630890

CATALOG NUMBER: GWS-SA1E-750-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9
2.5°	1141.3	1150.8	1162.4	1178.0	1195.8	1214.7	1233.0	1246.9	1260.8	1281.3	1278.0
5°	1083.0	1099.1	1117.4	1141.3	1170.2	1203.0	1239.7	1276.3	1315.8	1349.1	1363.6
7.5°	1049.1	1066.8	1088.5	1119.6	1156.9	1196.9	1248.5	1308.0	1371.9	1415.8	1443.0
10°	1049.1	1071.8	1100.2	1130.2	1163.0	1204.1	1268.0	1342.4	1424.7	1482.5	1514.1
12.5°	1109.6	1132.4	1138.5	1137.4	1155.8	1201.3	1283.6	1378.6	1476.9	1538.0	1576.9
15°	1204.1	1211.9	1165.8	1123.5	1126.3	1181.3	1290.8	1407.5	1521.9	1595.3	1637.5
17.5°	1267.4	1246.9	1164.6	1090.7	1075.2	1147.4	1290.8	1435.2	1569.7	1652.5	1692.0
20°	1272.4	1221.3	1136.3	1059.1	1019.1	1102.4	1281.9	1456.4	1615.8	1707.5	1749.7
22.5°	1228.5	1178.0	1106.3	1031.8	972.9	1048.0	1267.4	1472.5	1655.3	1759.2	1811.4
25°	1178.5	1136.3	1075.7	1004.1	941.3	992.9	1254.1	1499.7	1710.3	1829.2	1882.0
27.5°	1129.6	1094.1	1039.1	980.7	923.5	945.2	1245.8	1539.7	1775.9	1928.7	1974.2
30°	1081.8	1049.6	999.6	958.5	914.0	914.0	1238.5	1585.8	1862.5	2040.3	2085.9
32.5°	1033.5	1002.9	962.4	936.8	908.5	901.8	1218.5	1629.2	1952.0	2162.6	2209.3
35°	988.5	957.9	926.8	916.3	905.7	892.4	1169.1	1663.1	2039.2	2305.4	2345.4
37.5°	946.3	916.8	893.5	890.7	891.8	866.8	1091.3	1691.4	2148.1	2451.5	2472.6
40°	909.6	876.8	858.5	857.9	863.5	825.7	992.9	1732.0	2272.6	2575.4	2566.5
42.5°	876.8	842.4	820.1	825.1	821.8	784.6	896.8	1769.2	2381.0	2691.6	2673.8
45°	844.6	811.2	780.1	787.4	783.5	759.0	815.1	1796.4	2501.0	2831.0	2833.3
47.5°	813.5	780.7	749.6	740.7	740.1	751.2	752.3	1805.3	2696.6	3055.5	3005.0
50°	784.6	751.8	719.6	689.6	701.2	735.7	705.7	1798.6	2989.4	3303.3	3162.2
52.5°	754.6	723.5	687.9	634.0	664.6	698.5	664.0	1774.7	3168.3	3522.3	3437.8
55°	720.1	690.7	642.3	576.8	614.0	621.2	621.2	1543.6	3244.4	3739.0	3791.2
57.5°	674.0	635.1	558.4	505.6	539.0	511.2	575.7	1080.2	3118.9	3670.6	3873.4
60°	621.8	580.1	499.0	461.2	471.2	422.3	490.6	677.3	2584.9	3123.3	3474.5
62.5°	552.9	514.5	447.3	417.8	397.3	344.5	395.1	428.4	1772.0	2319.3	2558.8
65°	506.8	464.5	404.5	365.6	323.4	277.3	262.3	281.2	952.9	1298.0	1459.7
67.5°	452.3	410.6	353.9	305.1	271.2	237.8	211.7	205.0	326.7	432.3	467.9
70°	400.6	360.6	313.4	267.8	233.9	201.1	175.6	157.2	151.1	150.0	147.8
72.5°	347.8	310.6	271.2	228.9	191.7	161.7	138.9	117.8	108.9	106.1	103.4
75°	285.0	255.6	216.1	170.6	140.6	112.8	95.0	81.1	73.3	70.6	67.2
77.5°	183.4	170.0	135.6	110.0	85.0	67.2	57.8	48.9	43.9	42.8	40.0
80°	97.8	91.1	75.0	63.3	50.6	41.1	36.1	31.1	28.3	27.2	26.1
82.5°	54.5	49.5	41.7	36.7	29.4	25.0	22.2	20.0	18.3	17.8	17.2
85°	24.4	21.1	16.7	15.6	13.9	12.8	12.2	11.1	10.6	10.0	9.4
87.5°	1.1	2.2	2.8	2.2	2.2	3.3	3.9	3.9	3.3	3.3	2.8
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: P630890

CATALOG NUMBER: GWS-SA1E-750-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9	1216.9
2.5°	1298.6	1315.2	1316.9	1322.4	1315.2	1313.6	1301.9	1295.2	1289.1	1287.4
5°	1399.7	1433.0	1446.4	1455.8	1446.9	1442.5	1416.9	1390.2	1375.2	1368.0
7.5°	1503.6	1553.6	1579.7	1591.4	1592.5	1572.5	1528.6	1478.6	1453.6	1444.1
10°	1596.4	1658.1	1692.5	1714.7	1707.0	1682.5	1622.5	1554.7	1523.0	1514.7
12.5°	1665.3	1724.2	1750.9	1765.3	1764.7	1751.4	1694.7	1621.4	1585.3	1576.9
15°	1709.7	1744.7	1746.4	1749.7	1759.2	1777.0	1747.5	1679.7	1639.7	1628.1
17.5°	1744.7	1730.8	1704.7	1695.8	1717.0	1766.4	1784.2	1729.2	1685.8	1675.8
20°	1767.0	1697.0	1650.8	1633.6	1658.1	1738.6	1806.4	1773.6	1728.6	1715.8
22.5°	1784.2	1665.3	1590.8	1579.2	1604.7	1708.6	1829.2	1826.4	1777.0	1759.2
25°	1811.4	1644.2	1548.6	1540.3	1564.2	1694.2	1859.8	1898.1	1854.2	1828.6
27.5°	1854.2	1641.9	1526.9	1524.1	1556.9	1707.0	1903.7	2003.1	1948.1	1929.2
30°	1913.7	1663.1	1531.9	1537.5	1577.5	1753.1	1972.0	2123.1	2068.1	2038.7
32.5°	1999.2	1719.7	1608.0	1631.9	1661.4	1827.0	2072.0	2253.2	2211.5	2168.1
35°	2112.0	1875.3	1833.1	1934.8	1907.0	1988.7	2192.6	2411.0	2360.4	2322.6
37.5°	2262.6	2194.3	2233.2	2373.2	2305.9	2294.3	2339.8	2554.3	2526.5	2488.8
40°	2473.8	2487.6	2559.3	2743.2	2646.0	2571.0	2520.4	2662.1	2671.6	2624.9
42.5°	2613.8	2677.7	2850.5	3059.4	2925.5	2746.0	2671.6	2799.9	2800.5	2758.2
45°	2666.0	2833.3	3194.4	3435.0	3211.1	2846.0	2754.9	2987.2	2981.6	2933.3
47.5°	2647.1	2964.4	3551.7	3919.6	3577.8	2917.2	2743.2	3253.9	3298.9	3225.5
50°	2607.7	3096.1	3969.0	4513.0	4027.9	2992.7	2725.5	3549.5	3623.9	3567.3
52.5°	2647.7	3242.8	4462.4	5126.4	4592.4	3113.3	2845.5	3929.0	3915.7	3847.3
55°	2774.4	3416.1	5062.0	5897.1	5212.5	3317.2	3153.9	4290.7	4155.1	4073.5
57.5°	2768.2	3540.0	5587.6	6506.7	5752.1	3484.5	3261.1	4329.1	4055.1	3951.8
60°	2512.6	3483.4	5787.6	6892.3	5914.9	3392.2	2908.3	3866.8	3421.7	3313.3
62.5°	1875.3	3091.1	5399.8	6409.4	5454.3	2929.9	2187.0	2775.5	2458.7	2275.9
65°	1199.6	2418.2	4539.7	5192.5	4495.8	2240.9	1302.4	1488.0	1165.8	1113.5
67.5°	510.6	1707.0	3528.9	3470.6	3363.3	1451.9	502.9	419.0	312.3	306.7
70°	168.9	1161.3	2175.4	2314.8	2008.7	1000.2	166.1	140.6	140.0	135.0
72.5°	110.6	623.4	1224.7	1363.6	1292.4	575.7	100.6	93.9	96.1	93.9
75°	66.1	135.6	206.1	267.8	206.1	96.7	60.6	59.5	60.6	57.8
77.5°	38.9	37.8	36.7	36.7	36.1	33.3	30.6	29.4	30.0	30.6
80°	25.0	23.9	22.8	22.2	19.4	18.3	17.2	16.1	16.1	16.7
82.5°	16.1	15.0	13.9	12.2	10.0	8.3	7.8	6.7	6.7	7.2
85°	8.3	6.7	5.0	3.9	2.2	1.1	0.0	0.0	0.0	0.0
87.5°	1.7	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)