

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: P631880

Luminaire Tested: GWS-SA2B-750-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631880
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-SA2B-750-U-SLL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5494.9 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

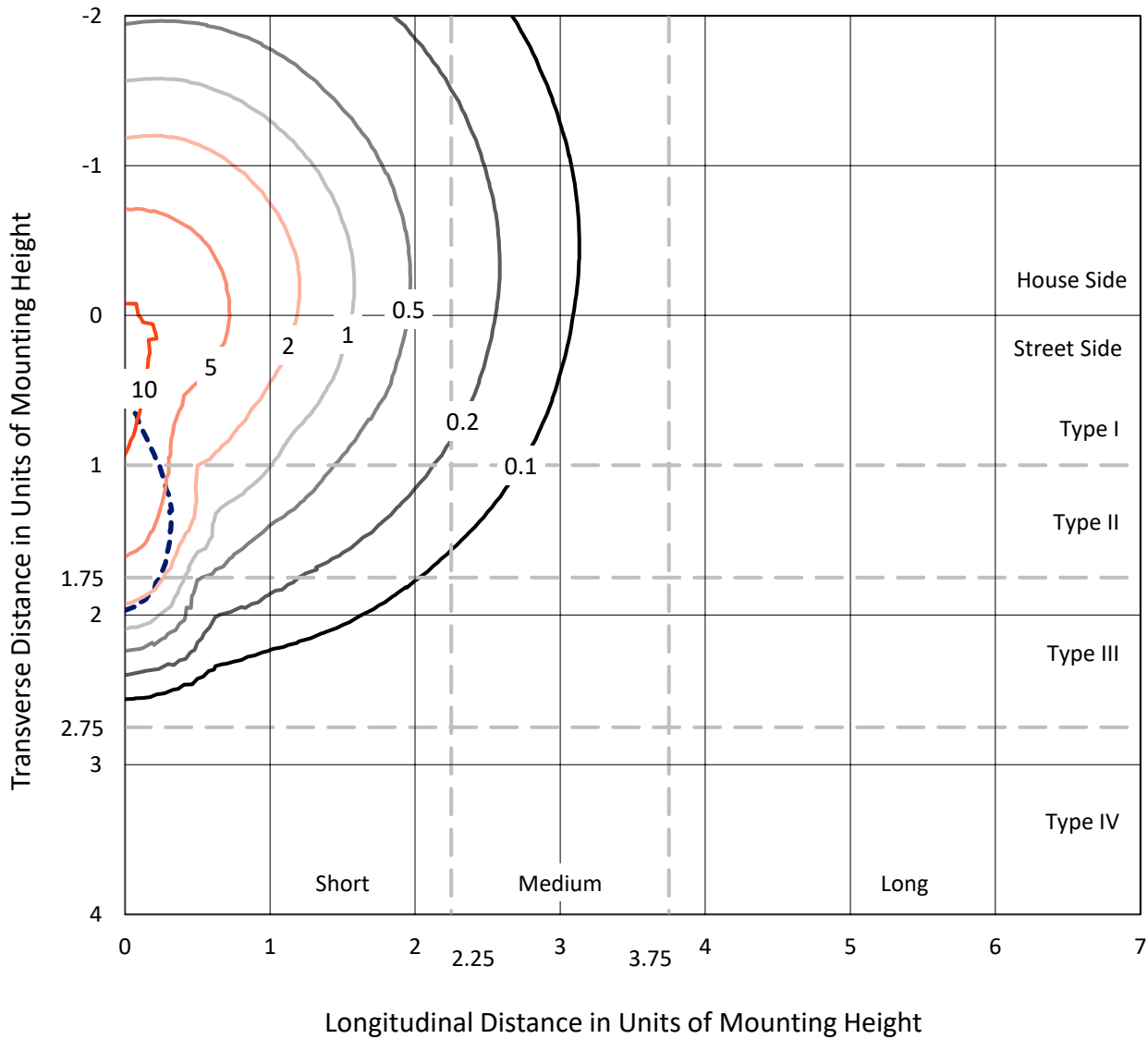
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631880
 CATALOG NUMBER: GWS-SA2B-750-U-SLL-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

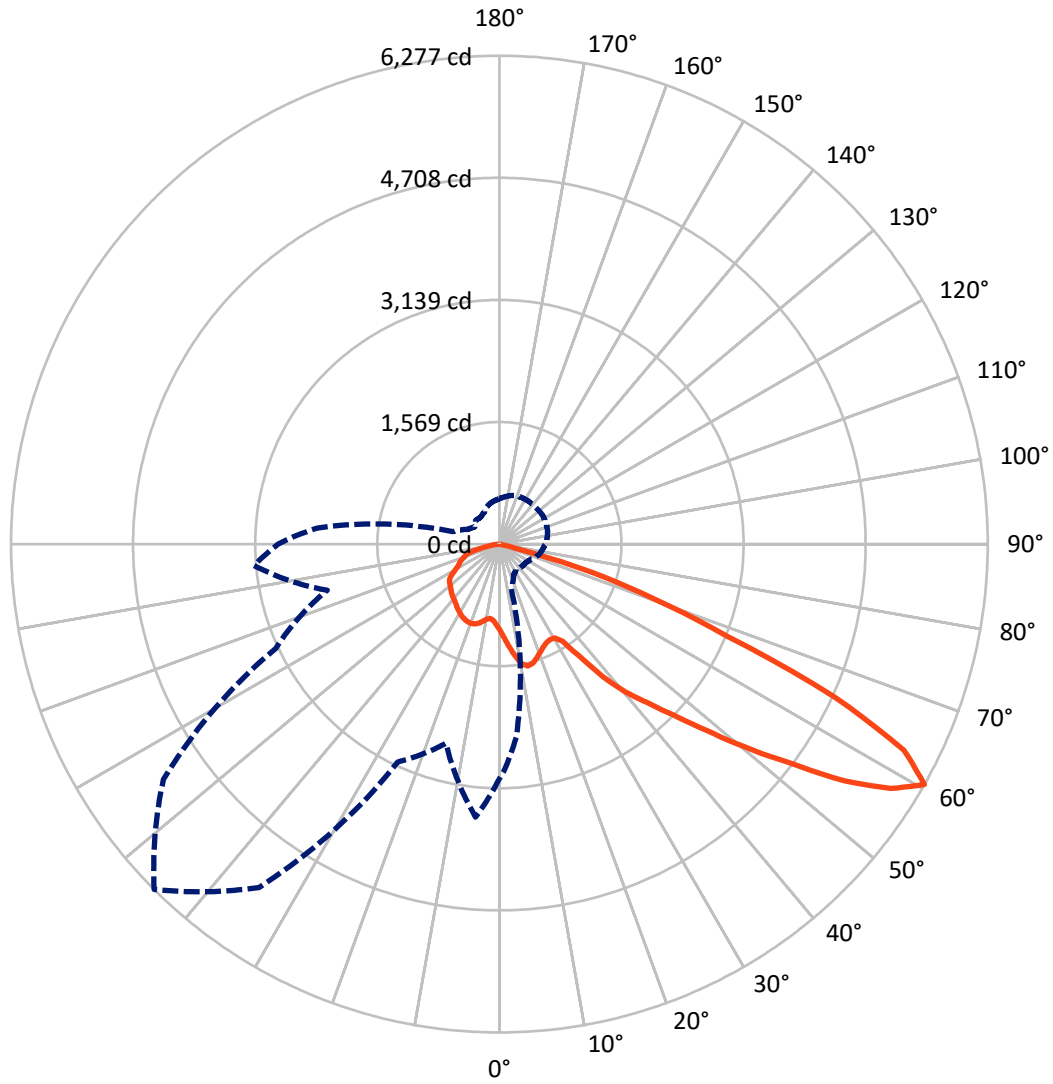
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P631880
CATALOG NUMBER: GWS-SA2B-750-U-SLL-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P631880

CATALOG NUMBER: GWS-SA2B-750-U-SLL-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1879.8	0.0	1879.8
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	3615.1	0.0	3615.1
	% Fixture	65.8	0.0	65.8
Total	Lumens	5494.9	0.0	5494.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.3	2.0
10°-20°	347.3	6.3
20°-30°	565.6	10.3
30°-40°	794.6	14.5
40°-50°	1087.3	19.8
50°-60°	1394.9	25.4
60°-70°	939.3	17.1
70°-80°	234.8	4.3
80°-90°	22.9	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°	5494.9	100.0
0°-180°	5494.9	100.0

Coefficient of Utilization



REPORT NUMBER: P631880

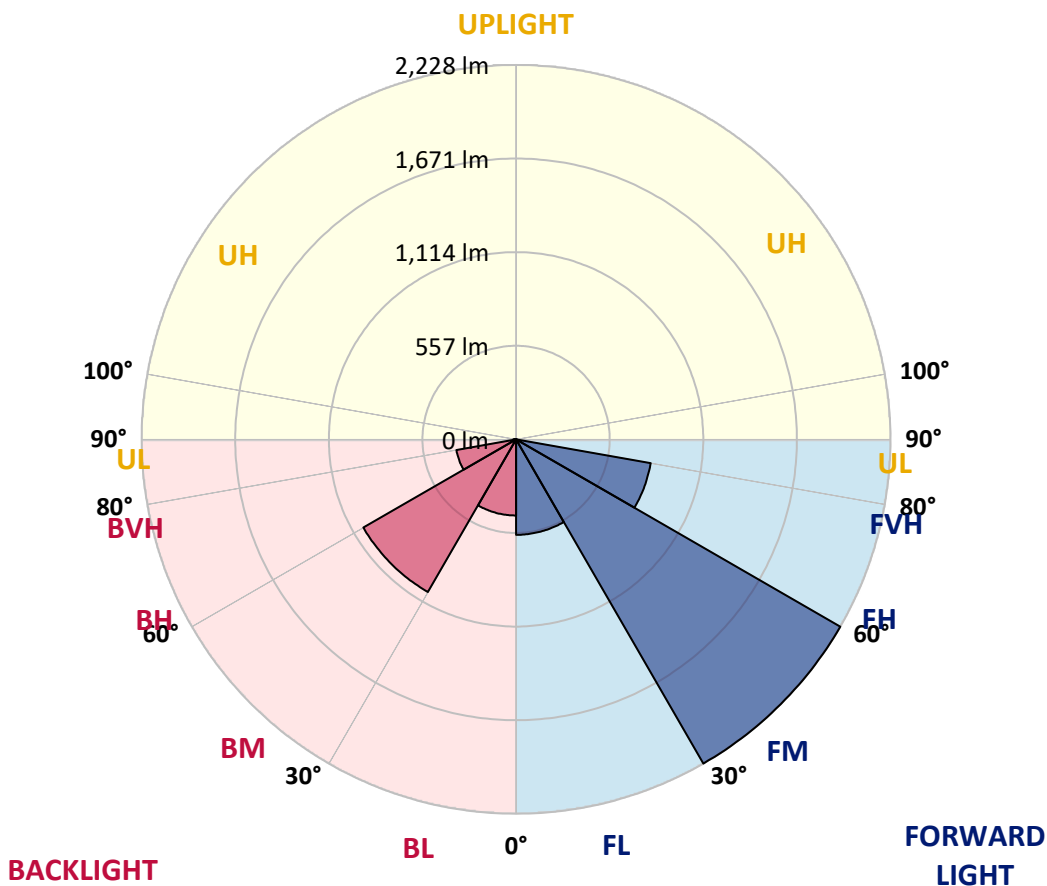
CATALOG NUMBER: GWS-SA2B-750-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	568.0	10.3			
FM (30°-60°)	2227.7	40.5			
FH (60°-80°)	813.5	14.8			G1/1800
FVH (80°-90°)	6.0	0.1			G0/10
BL (0°-30°)	453.1	8.2	B1/500		
BM (30°-60°)	1049.1	19.1	B2/2500		
BH (60°-80°)	360.6	6.6	B1/500		G1/500
BVH (80°-90°)	16.9	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: P631880

CATALOG NUMBER: GWS-SA2B-750-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1108.3	1108.3	1108.3	1108.3	1108.3	1108.3	1108.3	1108.3	1108.3	1108.3	1108.3
2.5°	1172.5	1170.0	1167.5	1147.7	1142.7	1128.5	1118.4	1105.7	1087.5	1077.4	1068.8
5°	1245.9	1241.9	1228.2	1187.7	1161.4	1132.6	1108.8	1082.5	1054.6	1036.4	1022.2
7.5°	1315.2	1314.2	1290.9	1224.1	1181.6	1140.1	1107.8	1069.3	1029.3	1002.0	983.8
10°	1379.5	1371.9	1344.1	1257.0	1201.4	1153.8	1118.9	1076.4	1029.8	992.9	968.6
12.5°	1436.2	1426.6	1388.1	1287.4	1218.6	1159.9	1121.9	1087.0	1056.1	1025.3	997.4
15°	1482.7	1471.1	1432.1	1315.7	1233.8	1156.3	1103.2	1075.9	1086.5	1100.2	1069.3
17.5°	1526.3	1514.1	1466.6	1336.5	1238.3	1134.6	1057.2	1045.5	1099.2	1161.4	1147.2
20°	1562.7	1549.0	1493.9	1346.6	1230.2	1093.1	997.4	1017.7	1088.5	1162.9	1185.7
22.5°	1602.2	1591.0	1524.7	1361.3	1220.1	1035.9	947.3	996.9	1070.3	1135.6	1170.0
25°	1665.4	1651.8	1572.8	1387.1	1215.0	982.3	911.4	976.7	1045.0	1104.2	1131.0
27.5°	1757.0	1731.7	1638.6	1432.1	1220.6	931.6	888.6	951.9	1015.7	1066.3	1088.0
30°	1856.7	1826.4	1711.5	1478.7	1228.7	900.8	876.5	923.6	970.6	1021.2	1045.0
32.5°	1974.6	1947.8	1789.4	1513.6	1211.5	886.6	867.4	892.7	930.1	970.6	990.4
35°	2115.3	2067.2	1874.4	1542.0	1155.8	865.9	859.3	858.8	878.5	918.0	940.3
37.5°	2266.6	2215.0	1979.2	1572.3	1069.3	833.0	840.1	818.8	837.0	868.4	893.7
40°	2390.6	2336.5	2085.0	1613.8	961.0	781.4	797.5	774.8	785.9	818.3	846.6
42.5°	2512.1	2454.4	2183.6	1660.9	856.2	730.7	738.8	730.2	733.8	767.7	807.2
45°	2671.5	2606.7	2305.1	1694.3	762.1	690.8	683.2	668.5	687.2	731.3	773.3
47.5°	2937.7	2860.2	2504.0	1716.0	693.8	668.0	633.1	624.5	647.8	696.8	740.4
50°	3248.9	3182.1	2821.8	1715.0	642.7	648.8	584.5	576.9	615.4	665.0	711.0
52.5°	3503.9	3436.1	3093.5	1664.4	600.7	607.8	556.2	534.9	587.5	633.6	679.6
55°	3709.9	3633.5	3218.5	1452.9	547.6	542.5	525.3	486.3	552.6	602.2	645.2
57.5°	3599.1	3508.0	3067.2	1104.7	492.9	461.0	472.2	443.3	505.0	567.3	608.8
60°	3017.6	2935.6	2491.8	588.0	433.7	385.1	408.4	412.9	452.9	525.3	567.8
62.5°	2072.8	2013.1	1688.7	356.8	342.1	309.2	345.6	378.5	408.4	469.6	506.6
65°	1014.1	996.4	844.6	228.7	239.4	250.0	286.4	326.4	370.4	424.1	463.0
67.5°	279.3	281.4	256.1	178.6	188.8	218.1	247.0	278.8	322.9	372.5	411.9
70°	123.0	125.0	129.0	137.6	156.9	183.7	213.6	246.4	286.9	328.4	366.4
72.5°	85.5	87.5	93.6	104.8	122.0	147.3	175.6	207.0	249.0	283.9	315.3
75°	52.6	54.1	59.7	69.3	81.0	100.2	128.0	156.9	193.8	225.7	253.5
77.5°	27.8	26.8	30.4	36.9	47.1	57.2	75.9	94.1	120.4	146.3	169.5
80°	15.2	14.7	16.7	20.2	23.3	31.4	44.0	56.2	71.4	86.0	98.7
82.5°	6.6	6.1	6.6	8.6	10.6	15.2	22.3	30.9	39.5	49.6	57.7
85°	0.0	0.0	0.0	0.5	2.5	4.0	7.6	11.1	16.2	22.3	27.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.6
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: P631880

CATALOG NUMBER: GWS-SA2B-750-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1108.3	1108.3	1108.3	1108.3	1108.3	1108.3	1108.3	1108.3	1108.3	1108.3	1108.3
2.5°	1063.7	1051.1	1050.1	1039.9	1041.0	1041.5	1031.3	1027.3	1030.8	1034.9	1032.9
5°	1017.2	1004.0	998.4	988.8	987.8	983.3	979.2	974.2	977.7	981.2	983.3
7.5°	976.7	968.1	964.5	962.0	963.0	961.0	952.9	948.3	947.8	949.4	951.4
10°	963.5	956.4	961.0	968.1	973.1	976.7	968.1	960.5	953.4	950.4	950.4
12.5°	991.9	982.8	991.9	999.5	1009.6	1012.1	1002.5	994.4	991.9	994.9	1001.0
15°	1054.6	1033.4	1032.9	1037.4	1045.5	1049.6	1040.5	1036.4	1036.4	1055.6	1070.8
17.5°	1117.4	1082.5	1067.8	1065.2	1070.3	1071.8	1064.2	1060.7	1069.8	1107.3	1135.6
20°	1161.4	1118.9	1087.0	1080.9	1082.5	1083.0	1076.9	1074.4	1087.5	1133.1	1156.8
22.5°	1156.8	1125.5	1086.5	1078.9	1081.4	1080.4	1074.9	1073.9	1084.5	1124.0	1135.1
25°	1125.5	1101.2	1068.3	1063.2	1067.3	1066.8	1061.2	1058.7	1063.2	1089.5	1090.6
27.5°	1089.5	1068.3	1039.9	1038.4	1045.0	1048.5	1038.9	1031.3	1029.8	1047.5	1043.5
30°	1046.5	1030.8	1008.1	1009.1	1021.2	1023.2	1011.6	1000.5	997.4	1007.1	1001.5
32.5°	995.4	990.4	978.2	980.7	992.4	996.4	984.3	972.6	969.1	972.1	960.5
35°	951.9	949.9	950.9	955.4	965.6	968.6	958.5	949.4	944.3	933.7	918.5
37.5°	906.9	912.4	927.1	935.7	941.3	940.3	934.7	928.1	920.0	900.3	881.5
40°	864.8	879.0	905.3	914.9	917.0	917.5	913.4	907.9	897.7	871.4	850.2
42.5°	832.5	848.2	883.1	897.7	898.8	899.8	895.7	891.2	877.0	842.1	821.3
45°	798.6	819.3	860.3	878.0	877.0	876.5	872.9	870.9	854.2	813.7	791.0
47.5°	769.7	794.0	838.0	853.2	852.7	852.2	849.7	849.7	833.0	788.9	763.1
50°	741.4	769.2	815.3	827.9	828.9	827.9	826.9	828.4	808.7	761.6	736.3
52.5°	710.5	741.9	790.0	801.6	807.7	810.2	810.2	806.7	783.4	734.3	706.5
55°	676.6	706.5	762.1	777.8	782.9	787.4	787.4	780.3	758.6	709.0	679.1
57.5°	634.6	660.9	704.9	720.6	732.8	735.8	735.8	724.2	706.5	658.9	634.6
60°	589.0	611.8	641.7	658.4	667.5	661.4	666.0	662.9	648.8	604.7	584.5
62.5°	528.3	551.6	584.5	601.7	605.7	599.7	605.7	605.2	586.0	546.5	522.2
65°	484.8	507.6	540.0	562.2	568.8	567.3	571.3	565.3	541.5	504.0	480.8
67.5°	433.2	457.5	494.9	519.7	533.4	534.9	540.5	527.8	503.5	462.5	433.2
70°	384.1	404.8	433.7	457.0	476.2	485.8	486.8	468.6	438.2	404.3	383.1
72.5°	332.5	353.7	388.7	414.0	438.2	449.4	449.4	427.1	394.2	356.8	334.0
75°	269.7	289.5	321.3	348.7	376.5	390.7	390.2	370.9	334.5	299.1	275.3
77.5°	182.7	197.4	217.6	238.4	242.4	253.5	259.1	234.8	214.6	195.3	174.1
80°	106.3	115.4	126.5	138.2	140.7	144.2	135.1	126.0	115.4	102.7	93.1
82.5°	62.2	68.3	73.9	83.0	84.5	85.5	77.4	73.4	64.8	57.2	51.1
85°	30.4	32.4	37.4	42.0	40.0	39.0	35.4	31.4	27.8	24.8	21.8
87.5°	6.1	6.1	9.1	8.6	7.1	6.1	3.5	4.6	1.0	1.0	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: P631880

CATALOG NUMBER: GWS-SA2B-750-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1108.3	1108.3	1108.3	1108.3	1108.3	1108.3	1108.3	1108.3	1108.3	1108.3	1108.3
2.5°	1039.4	1048.0	1058.7	1072.8	1089.0	1106.2	1122.9	1135.6	1148.2	1167.0	1163.9
5°	986.3	1001.0	1017.7	1039.4	1065.8	1095.6	1129.0	1162.4	1198.3	1228.7	1241.9
7.5°	955.4	971.6	991.4	1019.7	1053.6	1090.0	1137.1	1191.3	1249.5	1289.4	1314.2
10°	955.4	976.2	1002.0	1029.3	1059.2	1096.6	1154.8	1222.6	1297.5	1350.2	1379.0
12.5°	1010.6	1031.3	1036.9	1035.9	1052.6	1094.1	1169.0	1255.5	1345.1	1400.8	1436.2
15°	1096.6	1103.7	1061.7	1023.2	1025.8	1075.9	1175.6	1281.8	1386.1	1452.9	1491.3
17.5°	1154.3	1135.6	1060.7	993.4	979.2	1045.0	1175.6	1307.1	1429.6	1505.0	1540.9
20°	1158.9	1112.3	1034.9	964.5	928.1	1004.0	1167.5	1326.4	1471.6	1555.1	1593.6
22.5°	1118.9	1072.8	1007.6	939.7	886.1	954.4	1154.3	1341.0	1507.5	1602.2	1649.7
25°	1073.3	1034.9	979.7	914.4	857.3	904.3	1142.2	1365.8	1557.6	1665.9	1714.0
27.5°	1028.8	996.4	946.3	893.2	841.1	860.8	1134.6	1402.3	1617.4	1756.5	1798.0
30°	985.3	955.9	910.4	872.9	832.5	832.5	1128.0	1444.3	1696.3	1858.2	1899.7
32.5°	941.3	913.4	876.5	853.2	827.4	821.3	1109.8	1483.8	1777.8	1969.6	2012.1
35°	900.3	872.4	844.1	834.5	824.9	812.7	1064.7	1514.6	1857.2	2099.6	2136.1
37.5°	861.8	835.0	813.7	811.2	812.2	789.4	993.9	1540.4	1956.4	2232.7	2251.9
40°	828.4	798.6	781.9	781.4	786.4	752.0	904.3	1577.4	2069.8	2345.6	2337.5
42.5°	798.6	767.2	746.9	751.5	748.5	714.6	816.8	1611.3	2168.5	2451.3	2435.1
45°	769.2	738.8	710.5	717.1	713.5	691.3	742.4	1636.1	2277.8	2578.4	2580.4
47.5°	740.9	711.0	682.7	674.6	674.1	684.2	685.2	1644.2	2455.9	2782.8	2736.8
50°	714.6	684.7	655.3	628.0	638.6	670.0	642.7	1638.1	2722.6	3008.5	2880.0
52.5°	687.2	658.9	626.5	577.4	605.2	636.1	604.7	1616.3	2885.5	3207.9	3131.0
55°	655.8	629.0	585.0	525.3	559.2	565.8	565.8	1405.8	2954.9	3405.3	3452.8
57.5°	613.8	578.4	508.6	460.5	490.9	465.6	524.3	983.8	2840.5	3343.0	3527.7
60°	566.3	528.3	454.4	420.0	429.1	384.6	446.8	616.9	2354.2	2844.5	3164.4
62.5°	503.5	468.6	407.4	380.6	361.8	313.8	359.8	390.2	1613.8	2112.3	2330.4
65°	461.5	423.1	368.4	333.0	294.5	252.5	238.9	256.1	867.9	1182.1	1329.4
67.5°	411.9	374.0	322.4	277.8	247.0	216.6	192.8	186.7	297.6	393.7	426.1
70°	364.9	328.4	285.4	243.9	213.0	183.2	159.9	143.2	137.6	136.6	134.6
72.5°	316.8	282.9	247.0	208.5	174.6	147.3	126.5	107.3	99.2	96.7	94.1
75°	259.6	232.8	196.9	155.4	128.0	102.7	86.5	73.9	66.8	64.3	61.2
77.5°	167.0	154.9	123.5	100.2	77.4	61.2	52.6	44.5	40.0	39.0	36.4
80°	89.1	83.0	68.3	57.7	46.1	37.4	32.9	28.3	25.8	24.8	23.8
82.5°	49.6	45.0	38.0	33.4	26.8	22.8	20.2	18.2	16.7	16.2	15.7
85°	22.3	19.2	15.2	14.2	12.7	11.6	11.1	10.1	9.6	9.1	8.6
87.5°	1.0	2.0	2.5	2.0	2.0	3.0	3.5	3.5	3.0	3.0	2.5
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: P631880

CATALOG NUMBER: GWS-SA2B-750-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1108.3	1108.3	1108.3	1108.3	1108.3	1108.3	1108.3	1108.3	1108.3	1108.3
2.5°	1182.7	1197.8	1199.4	1204.4	1197.8	1196.3	1185.7	1179.6	1174.1	1172.5
5°	1274.8	1305.1	1317.3	1325.9	1317.8	1313.7	1290.4	1266.2	1252.5	1245.9
7.5°	1369.4	1414.9	1438.7	1449.3	1450.4	1432.1	1392.2	1346.6	1323.8	1315.2
10°	1453.9	1510.1	1541.4	1561.7	1554.6	1532.3	1477.7	1415.9	1387.1	1379.5
12.5°	1516.7	1570.3	1594.6	1607.7	1607.2	1595.1	1543.5	1476.7	1443.8	1436.2
15°	1557.1	1589.0	1590.5	1593.6	1602.2	1618.4	1591.5	1529.8	1493.4	1482.7
17.5°	1589.0	1576.4	1552.6	1544.5	1563.7	1608.8	1624.9	1574.8	1535.4	1526.3
20°	1609.3	1545.5	1503.5	1487.8	1510.1	1583.4	1645.2	1615.3	1574.3	1562.7
22.5°	1624.9	1516.7	1448.8	1438.2	1461.5	1556.1	1665.9	1663.4	1618.4	1602.2
25°	1649.7	1497.4	1410.4	1402.8	1424.5	1543.0	1693.8	1728.7	1688.7	1665.4
27.5°	1688.7	1495.4	1390.6	1388.1	1418.0	1554.6	1733.7	1824.3	1774.2	1757.0
30°	1742.9	1514.6	1395.2	1400.3	1436.7	1596.6	1796.0	1933.6	1883.5	1856.7
32.5°	1820.8	1566.2	1464.5	1486.3	1513.1	1663.9	1887.1	2052.1	2014.1	1974.6
35°	1923.5	1707.9	1669.5	1762.1	1736.8	1811.2	1996.9	2195.8	2149.7	2115.3
37.5°	2060.7	1998.4	2033.8	2161.4	2100.1	2089.5	2131.0	2326.3	2301.0	2266.6
40°	2253.0	2265.6	2330.9	2498.4	2409.8	2341.5	2295.5	2424.5	2433.1	2390.6
42.5°	2380.5	2438.7	2596.1	2786.3	2664.4	2500.9	2433.1	2550.0	2550.5	2512.1
45°	2428.1	2580.4	2909.3	3128.4	2924.5	2592.0	2509.0	2720.6	2715.5	2671.5
47.5°	2410.9	2699.8	3234.7	3569.7	3258.5	2656.8	2498.4	2963.5	3004.5	2937.7
50°	2374.9	2819.7	3614.8	4110.2	3668.4	2725.6	2482.2	3232.7	3300.5	3248.9
52.5°	2411.4	2953.3	4064.1	4668.9	4182.6	2835.4	2591.5	3578.3	3566.2	3503.9
55°	2526.7	3111.2	4610.2	5370.8	4747.3	3021.2	2872.4	3907.8	3784.3	3709.9
57.5°	2521.2	3224.1	5088.9	5925.9	5238.7	3173.5	2970.0	3942.7	3693.2	3599.1
60°	2288.4	3172.5	5271.1	6277.1	5387.0	3089.5	2648.7	3521.6	3116.3	3017.6
62.5°	1707.9	2815.2	4917.9	5837.4	4967.4	2668.4	1991.8	2527.8	2239.3	2072.8
65°	1092.6	2202.4	4134.5	4729.1	4094.5	2040.9	1186.2	1355.2	1061.7	1014.1
67.5°	465.1	1554.6	3214.0	3160.8	3063.2	1322.3	458.0	381.6	284.4	279.3
70°	153.8	1057.7	1981.2	2108.2	1829.4	910.9	151.3	128.0	127.5	123.0
72.5°	100.7	567.8	1115.3	1241.9	1177.1	524.3	91.6	85.5	87.5	85.5
75°	60.2	123.5	187.7	243.9	187.7	88.1	55.2	54.1	55.2	52.6
77.5°	35.4	34.4	33.4	33.4	32.9	30.4	27.8	26.8	27.3	27.8
80°	22.8	21.8	20.7	20.2	17.7	16.7	15.7	14.7	14.7	15.2
82.5°	14.7	13.7	12.7	11.1	9.1	7.6	7.1	6.1	6.1	6.6
85°	7.6	6.1	4.6	3.5	2.0	1.0	0.0	0.0	0.0	0.0
87.5°	1.5	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

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