

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: P632869

Luminaire Tested: GWS-SA2D-750-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632869
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-SA2D-750-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: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6404.4 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

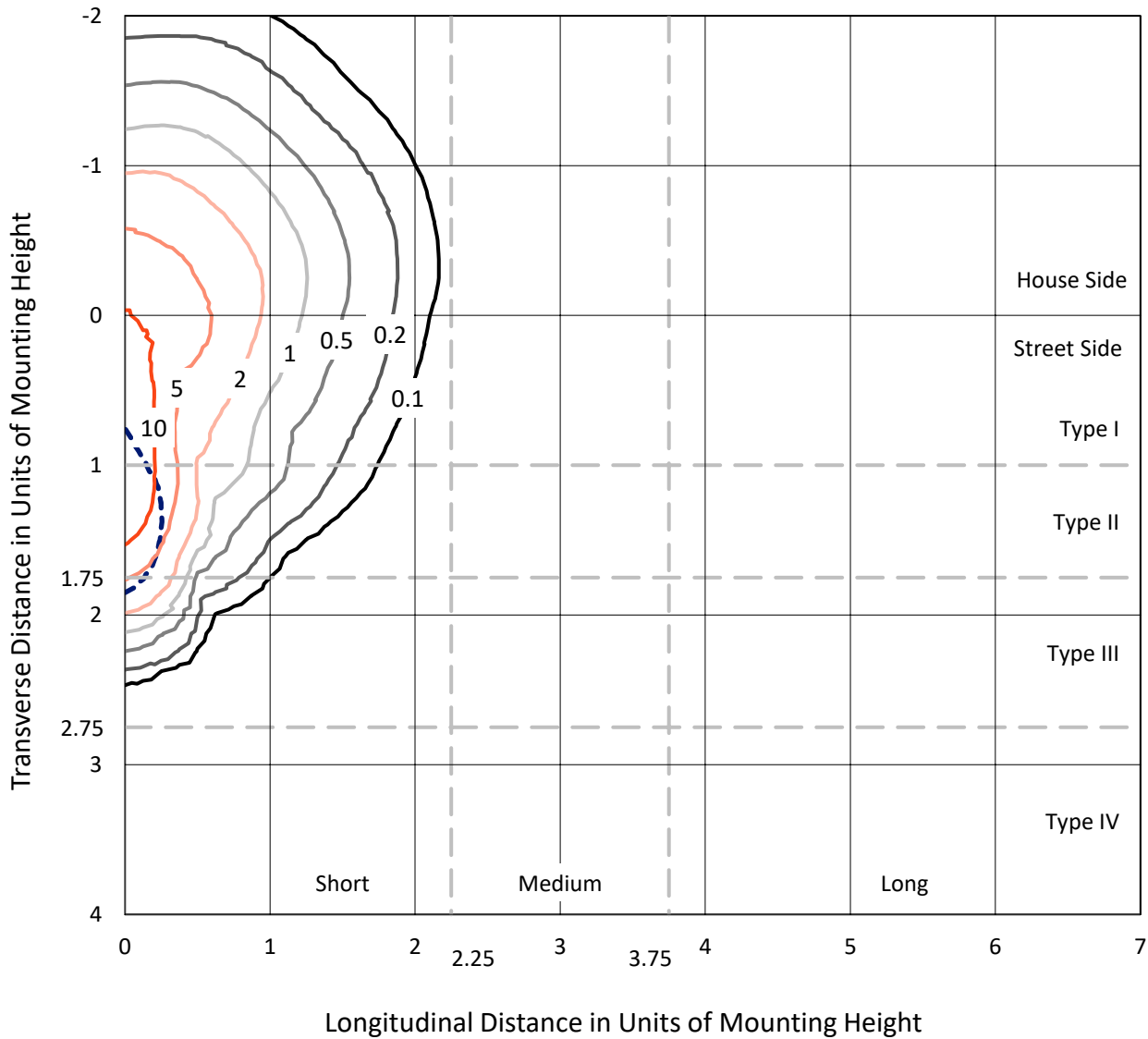
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632869
 CATALOG NUMBER: GWS-SA2D-750-U-SLL-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

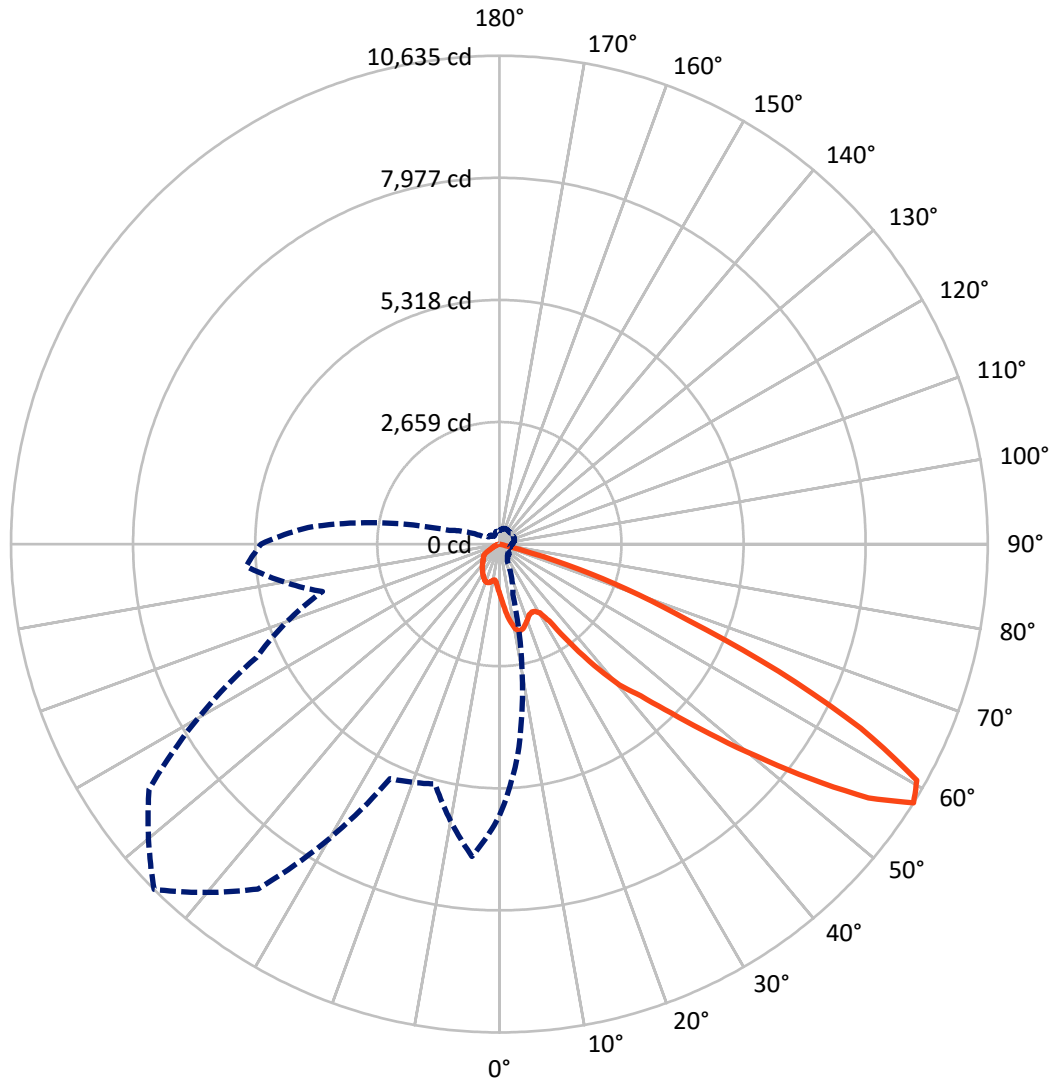
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.1 fc
 Type III - Short - N/A

REPORT NUMBER: P632869
CATALOG NUMBER: GWS-SA2D-750-U-SLL-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P632869

CATALOG NUMBER: GWS-SA2D-750-U-SLL-W-GRSBK

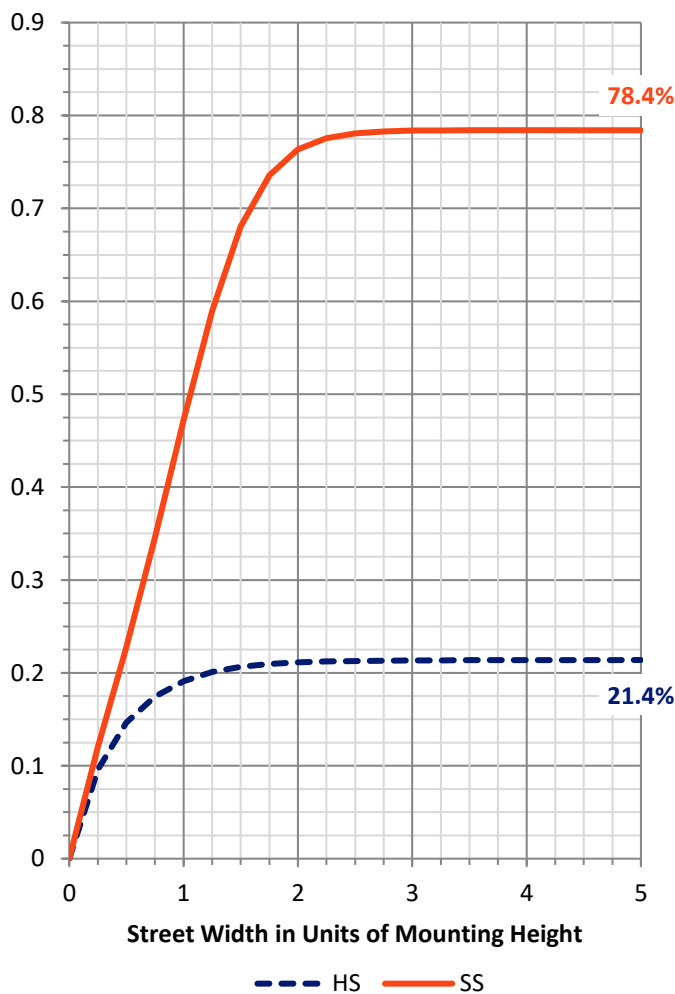
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1379.7	0.0	1379.7
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	5024.7	0.0	5024.7
	% Fixture	78.5	0.0	78.5
Total	Lumens	6404.4	0.0	6404.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.6	1.7
10°-20°	353.9	5.5
20°-30°	574.4	9.0
30°-40°	881.5	13.8
40°-50°	1407.8	22.0
50°-60°	1971.2	30.8
60°-70°	1010.7	15.8
70°-80°	97.3	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°	6404.4	100.0
0°-180°	6404.4	100.0

Coefficient of Utilization

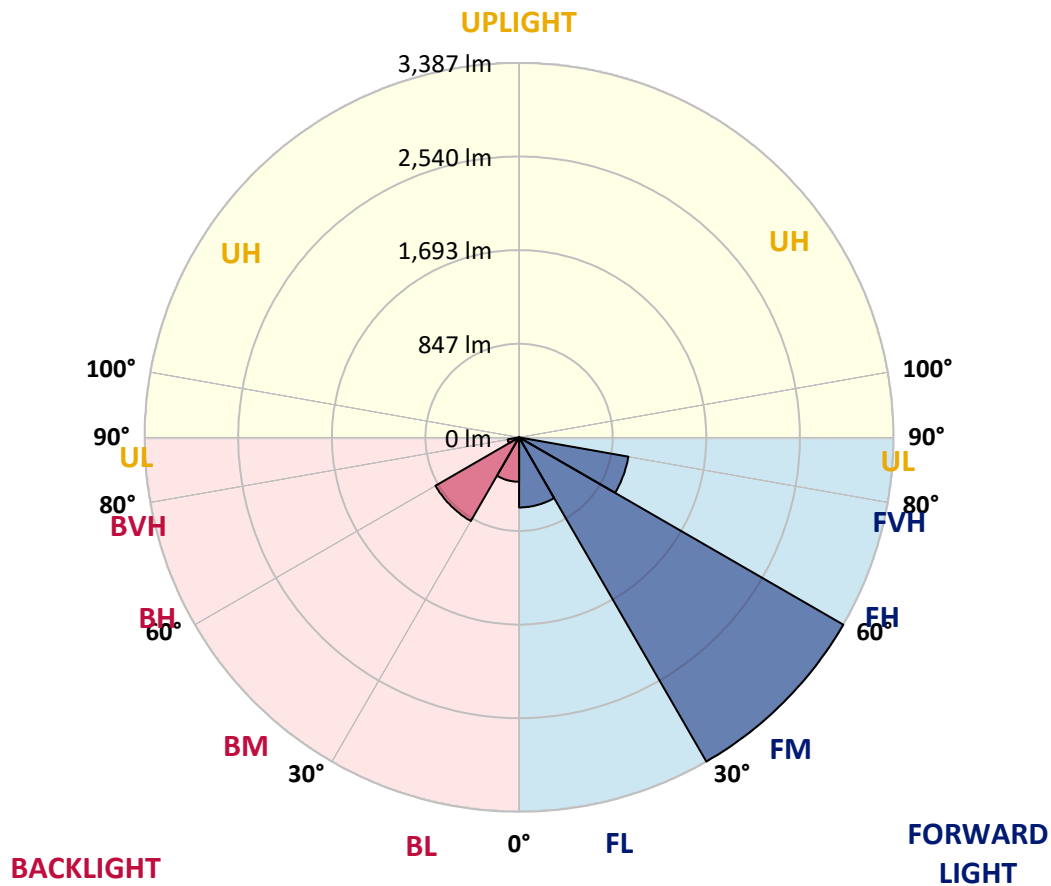


REPORT NUMBER: P632869
 CATALOG NUMBER: GWS-SA2D-750-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	634.1	9.9			
FM (30°-60°)	3386.8	52.9			
FH (60°-80°)	1003.8	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	401.8	6.3	B1/500		
BM (30°-60°)	873.8	13.6	B1/1000		
BH (60°-80°)	104.2	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: P632869

CATALOG NUMBER: GWS-SA2D-750-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2
2.5°	1208.9	1206.4	1197.8	1168.7	1150.7	1122.4	1101.9	1075.4	1046.2	1028.3	1010.3
5°	1337.4	1330.5	1307.4	1240.6	1189.2	1133.6	1089.1	1040.3	988.0	953.8	922.1
7.5°	1460.6	1450.4	1419.5	1306.5	1228.6	1149.0	1085.6	1014.6	940.9	889.6	850.2
10°	1581.4	1558.2	1509.4	1370.7	1265.4	1169.5	1095.1	1013.7	927.2	862.2	818.5
12.5°	1680.7	1663.6	1596.8	1431.5	1296.3	1173.8	1082.2	1006.9	948.6	905.0	864.7
15°	1766.3	1747.5	1684.1	1486.3	1322.8	1156.7	1028.3	962.3	971.8	988.9	954.6
17.5°	1845.1	1825.4	1756.9	1531.7	1333.1	1114.7	952.9	921.2	973.5	1037.7	1024.8
20°	1926.4	1904.1	1820.2	1568.5	1329.6	1048.8	876.7	886.1	959.8	1033.4	1040.3
22.5°	2021.4	1998.3	1900.7	1615.6	1327.1	970.0	810.8	855.3	934.1	996.6	1008.6
25°	2147.3	2119.9	2012.9	1685.0	1333.9	898.1	763.7	825.4	890.4	946.9	953.8
27.5°	2313.4	2278.3	2142.2	1770.6	1348.5	841.6	743.2	784.3	834.8	885.3	891.3
30°	2530.0	2485.5	2290.3	1845.1	1341.6	802.2	729.5	743.2	773.1	814.2	815.1
32.5°	2783.4	2722.6	2456.4	1909.3	1282.6	773.1	710.6	701.2	708.1	739.7	745.7
35°	3081.4	3002.6	2639.6	1970.1	1174.7	716.6	676.4	644.7	642.1	657.5	672.1
37.5°	3423.0	3328.8	2870.8	2048.0	1047.1	657.5	625.9	594.2	580.5	588.2	610.5
40°	3738.1	3633.6	3112.2	2142.2	917.0	604.5	566.8	534.3	518.0	520.6	548.0
42.5°	4107.9	4000.1	3407.6	2265.4	809.1	568.5	505.1	471.8	450.3	462.3	494.0
45°	4669.6	4547.2	3838.2	2372.5	723.5	559.9	451.2	404.1	393.8	414.4	452.1
47.5°	5436.7	5286.9	4429.9	2437.5	650.7	567.6	413.5	349.3	351.9	375.0	412.7
50°	6197.9	6036.1	5114.0	2351.9	590.8	552.2	394.7	306.5	322.8	343.3	377.6
52.5°	6721.0	6510.4	5447.0	2104.5	536.0	494.0	393.0	266.3	297.1	303.9	333.1
55°	6741.5	6482.1	5276.6	1659.3	461.5	417.0	375.0	232.9	268.8	271.4	296.2
57.5°	5909.3	5674.7	4611.4	1139.6	410.1	305.7	298.8	203.8	220.9	242.3	257.7
60°	4495.8	4296.3	3448.7	522.3	311.6	194.4	204.6	175.5	165.2	196.9	212.3
62.5°	2753.5	2625.9	2068.5	231.2	198.6	103.6	124.1	139.6	124.1	136.1	149.0
65°	1093.3	1036.8	785.1	98.5	81.3	52.2	56.5	81.3	87.3	95.9	107.9
67.5°	190.1	179.8	131.9	43.7	33.4	31.7	27.4	37.7	53.1	59.1	68.5
70°	24.8	24.0	21.4	18.0	17.1	15.4	12.0	24.0	36.0	37.7	43.7
72.5°	6.0	5.1	5.1	4.3	5.1	1.7	1.7	12.8	25.7	26.5	30.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	16.3	18.0	21.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
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: P632869

CATALOG NUMBER: GWS-SA2D-750-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2
2.5°	995.7	978.6	972.6	964.1	952.9	956.4	940.9	935.8	943.5	953.8	951.2
5°	905.0	886.1	873.3	853.6	850.2	842.5	837.3	830.5	839.1	851.0	853.6
7.5°	833.1	816.8	804.0	798.0	793.7	790.3	780.0	774.8	774.8	780.0	784.3
10°	802.2	790.3	787.7	789.4	796.2	795.4	786.0	779.1	770.6	766.3	771.4
12.5°	845.0	825.4	821.9	822.8	831.3	830.5	820.2	811.7	809.9	811.7	827.9
15°	917.8	887.9	865.6	861.3	865.6	863.9	856.2	851.0	853.6	878.4	905.8
17.5°	982.9	936.7	896.4	881.0	880.2	877.6	869.9	868.2	881.0	927.2	967.5
20°	1001.7	956.4	899.0	879.3	875.0	872.4	863.9	866.5	882.7	938.4	972.6
22.5°	976.9	933.2	873.3	853.6	850.2	849.3	840.8	844.2	857.9	906.7	934.9
25°	929.8	893.0	830.5	813.4	813.4	811.7	804.0	805.7	814.2	857.0	884.4
27.5°	872.4	837.3	785.1	768.0	770.6	773.1	763.7	761.1	768.0	808.2	824.5
30°	806.5	781.7	740.6	725.2	724.3	734.6	721.8	718.3	727.8	759.4	762.9
32.5°	742.3	730.3	701.2	689.2	690.1	691.8	684.9	684.9	693.5	710.6	709.8
35°	679.8	672.1	667.0	658.4	657.5	654.1	654.1	655.8	665.3	671.2	660.1
37.5°	619.9	627.6	633.6	625.0	618.2	618.2	618.2	625.9	634.4	631.9	613.0
40°	566.8	583.1	601.9	592.5	576.2	575.4	578.8	591.6	604.5	589.1	571.9
42.5°	521.4	542.0	568.5	563.4	545.4	542.8	545.4	561.7	571.9	552.2	533.4
45°	476.9	502.6	534.3	534.3	514.6	512.0	512.9	534.3	540.2	517.1	493.2
47.5°	439.2	467.5	500.9	500.9	484.6	479.5	483.7	506.0	510.3	477.7	455.5
50°	403.3	434.1	470.9	468.3	457.2	452.9	460.6	484.6	479.5	443.5	420.4
52.5°	357.9	390.4	440.9	443.5	437.5	438.4	447.8	463.2	448.6	405.0	385.3
55°	316.8	350.2	400.7	414.4	414.4	413.5	417.8	429.8	417.8	365.6	341.6
57.5°	272.3	300.5	342.5	345.9	348.5	339.0	345.0	361.3	355.3	310.8	297.1
60°	223.5	247.4	271.4	274.0	262.8	243.2	254.3	273.1	277.4	244.0	228.6
62.5°	158.4	181.5	209.8	209.8	198.6	178.9	193.5	209.8	203.8	169.5	160.1
65°	118.2	139.6	161.0	170.4	161.0	147.3	158.4	170.4	161.0	132.7	119.0
67.5°	76.2	90.8	103.6	111.3	113.0	111.3	116.4	113.0	101.9	83.0	75.3
70°	46.2	53.9	60.8	67.6	72.8	75.3	77.9	70.2	59.1	48.8	46.2
72.5°	33.4	40.2	46.2	51.4	57.4	59.1	59.1	53.9	43.7	34.2	31.7
75°	23.1	29.1	34.2	37.7	42.8	44.5	44.5	40.2	32.5	24.8	22.3
77.5°	0.9	6.0	6.0	5.1	6.8	8.6	8.6	10.3	9.4	6.8	6.0
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: P632869
 CATALOG NUMBER: GWS-SA2D-750-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2
2.5°	956.4	987.2	995.7	1027.4	1055.7	1083.9	1118.2	1138.7	1169.5	1190.9	1202.9
5°	862.2	887.9	918.7	965.8	1014.6	1068.5	1133.6	1190.1	1261.2	1313.4	1330.5
7.5°	793.7	827.1	863.0	922.1	988.9	1060.8	1152.4	1244.9	1353.6	1424.7	1470.1
10°	780.8	815.1	863.0	921.2	991.5	1073.6	1185.8	1305.7	1441.8	1528.3	1579.6
12.5°	842.5	879.3	899.8	926.4	979.5	1071.1	1214.9	1367.3	1527.4	1621.6	1676.4
15°	933.2	965.8	932.4	899.0	933.2	1043.7	1231.2	1418.7	1602.8	1711.5	1768.0
17.5°	995.7	998.3	925.5	854.5	863.9	994.0	1237.2	1470.1	1683.2	1797.1	1856.2
20°	989.7	969.2	895.6	816.8	787.7	929.8	1230.3	1515.4	1764.6	1883.6	1941.8
22.5°	943.5	919.5	857.0	780.0	723.5	853.6	1218.3	1556.5	1839.1	1974.3	2029.1
25°	887.9	862.2	810.8	743.2	682.4	780.0	1208.9	1613.0	1933.3	2092.5	2135.3
27.5°	822.8	800.5	756.9	708.1	665.3	724.3	1206.4	1687.5	2047.1	2236.3	2266.3
30°	759.4	738.9	704.6	676.4	658.4	691.8	1197.8	1767.2	2183.3	2401.6	2434.1
32.5°	698.6	678.1	656.7	652.4	653.3	679.8	1168.7	1845.9	2345.1	2641.3	2665.3
35°	646.4	622.4	613.9	624.2	643.0	659.3	1086.5	1911.0	2518.9	2902.4	2922.1
37.5°	596.8	572.8	571.9	596.8	617.3	627.6	989.7	1975.2	2753.5	3167.9	3192.7
40°	551.4	527.4	536.0	565.9	582.2	587.3	872.4	2072.8	3001.8	3447.8	3434.1
42.5°	512.9	488.0	493.2	531.7	546.2	559.9	764.6	2154.1	3240.6	3713.2	3709.0
45°	475.2	456.3	452.9	494.9	507.7	562.5	685.8	2216.6	3548.0	4051.4	4058.3
47.5°	438.4	423.8	424.7	442.6	474.3	575.4	619.0	2257.7	3994.1	4587.4	4468.4
50°	405.0	393.8	403.3	382.7	452.9	559.1	561.7	2249.2	4492.4	5101.1	4862.2
52.5°	368.2	365.6	369.9	320.2	418.7	493.2	507.7	2135.3	4726.1	5452.1	5316.0
55°	330.5	329.6	295.4	256.0	350.2	393.8	434.9	1781.7	4718.4	5638.8	5804.0
57.5°	286.0	279.1	224.3	208.9	272.3	274.0	396.4	1167.0	4181.6	5191.9	5534.3
60°	216.6	211.5	164.4	169.5	190.1	175.5	315.9	581.3	3125.1	4044.6	4430.7
62.5°	149.8	143.0	122.4	131.0	122.4	100.2	193.5	287.7	1893.0	2554.0	2904.2
65°	109.6	101.9	83.9	71.9	57.4	57.4	73.6	110.4	732.9	1085.6	1309.1
67.5°	67.6	64.2	49.7	36.0	35.1	37.7	38.5	54.8	118.2	188.4	230.3
70°	43.7	40.2	33.4	23.1	21.4	22.3	23.1	25.7	30.0	32.5	39.4
72.5°	30.0	28.3	24.0	12.8	10.3	11.1	12.0	12.0	14.6	13.7	16.3
75°	21.4	19.7	17.1	6.0	3.4	4.3	5.1	4.3	5.1	3.4	4.3
77.5°	6.0	6.0	4.3	0.9	0.0	0.9	1.7	1.7	0.9	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	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: P632869

CATALOG NUMBER: GWS-SA2D-750-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2	1088.2
2.5°	1233.8	1253.4	1261.2	1250.0	1259.4	1244.0	1238.0	1214.9	1213.2	1208.9
5°	1399.9	1444.4	1470.9	1487.2	1468.3	1447.8	1417.0	1363.9	1347.6	1337.4
7.5°	1563.4	1632.7	1678.1	1699.5	1694.4	1652.4	1596.8	1507.7	1476.1	1460.6
10°	1705.5	1790.3	1845.1	1871.6	1860.5	1823.7	1744.0	1632.7	1590.8	1581.4
12.5°	1804.8	1882.7	1920.4	1943.5	1944.4	1929.8	1854.5	1742.3	1692.7	1680.7
15°	1867.3	1900.7	1901.6	1915.3	1939.2	1971.8	1936.7	1837.4	1784.3	1766.3
17.5°	1906.7	1869.9	1832.2	1835.6	1875.0	1961.5	1997.5	1921.3	1864.8	1845.1
20°	1935.0	1818.5	1748.3	1749.2	1789.4	1920.4	2039.4	2002.6	1944.4	1926.4
22.5°	1952.9	1773.1	1673.0	1670.4	1713.2	1871.6	2077.9	2099.3	2042.0	2021.4
25°	1989.8	1751.7	1627.6	1642.1	1679.8	1856.2	2130.2	2227.8	2174.7	2147.3
27.5°	2055.7	1773.1	1623.3	1656.7	1699.5	1901.6	2220.9	2399.0	2344.2	2313.4
30°	2169.6	1853.6	1689.2	1735.5	1786.8	2020.6	2373.3	2637.9	2559.1	2530.0
32.5°	2352.8	2020.6	1893.0	1992.3	2042.0	2215.8	2601.9	2905.9	2841.7	2783.4
35°	2605.4	2401.6	2387.0	2618.2	2606.2	2585.7	2882.8	3234.6	3137.9	3081.4
37.5°	2953.0	3014.6	3122.5	3351.9	3344.2	3187.6	3251.8	3545.4	3495.8	3423.0
40°	3387.0	3518.0	3701.3	4030.0	3927.3	3730.4	3704.7	3863.9	3823.7	3738.1
42.5°	3643.0	3869.1	4218.4	4513.8	4431.6	4087.4	4058.3	4289.5	4201.3	4107.9
45°	3762.0	4155.0	4840.0	5239.8	4990.7	4324.6	4313.4	4844.3	4794.6	4669.6
47.5°	3816.8	4443.6	5567.7	6173.0	5707.3	4532.6	4492.4	5649.1	5584.0	5436.7
50°	3877.6	4841.7	6444.5	7254.4	6572.9	4768.1	4797.2	6399.1	6371.7	6197.9
52.5°	4011.2	5262.9	7524.1	8490.7	7622.6	5137.1	5320.3	7106.3	6921.3	6721.0
55°	4211.5	5721.8	8647.4	9753.6	8693.6	5632.8	5886.2	7482.1	6963.3	6741.5
57.5°	3989.8	5836.6	9312.6	10635.4	9168.8	5634.5	5407.6	6830.6	6124.2	5909.3
60°	3166.1	5429.9	9056.7	10444.5	8763.8	5003.5	4140.5	5333.1	4639.6	4495.8
62.5°	2140.4	4554.0	7972.7	8833.2	7501.0	3935.9	2691.0	3468.4	2872.5	2753.5
65°	1173.0	3397.3	6441.9	6682.5	5870.8	2749.2	1384.4	1505.2	1146.4	1093.3
67.5°	323.6	2364.8	4739.8	4433.3	4119.1	1790.3	357.9	268.8	191.8	190.1
70°	81.3	1564.2	2839.9	2927.3	2525.7	1146.4	68.5	32.5	25.7	24.8
72.5°	34.2	673.0	1347.6	1548.8	1292.8	530.8	24.8	9.4	7.7	6.0
75°	4.3	53.9	114.7	173.8	119.0	57.4	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)