

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: P632873

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632873
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-750-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT 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: 6371.9 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

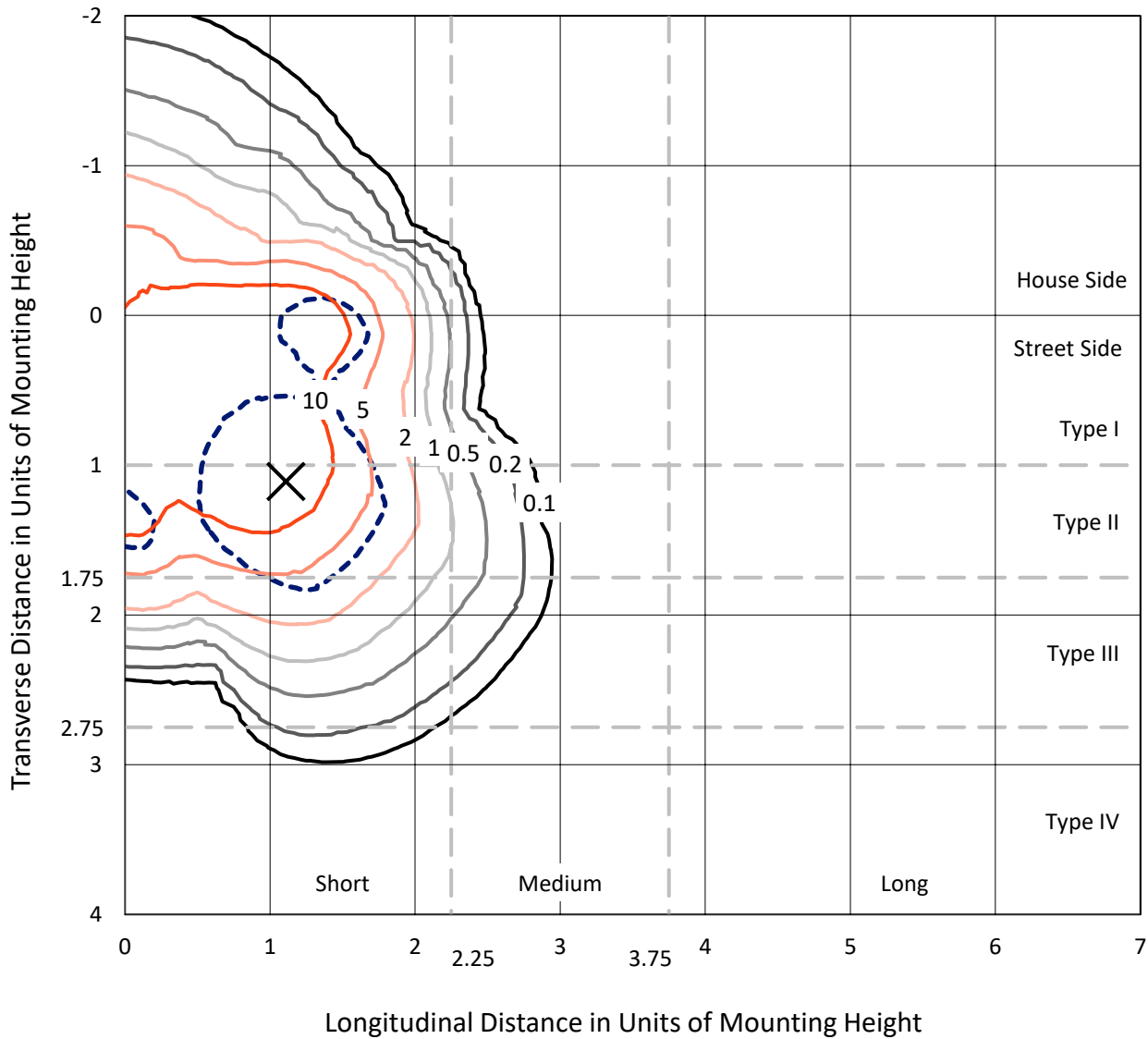
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632873
 CATALOG NUMBER: GWS-SA2D-750-U-SLR-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

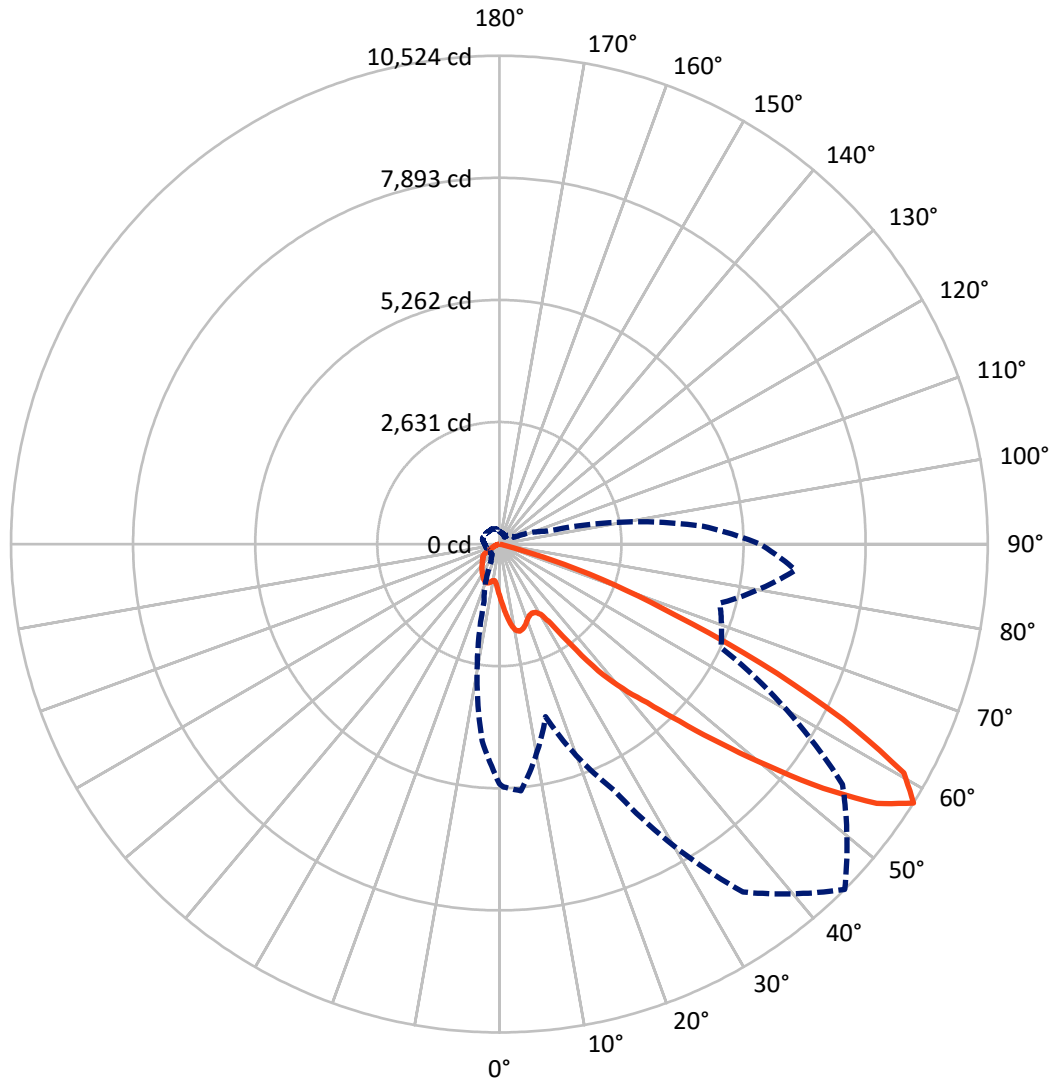
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20 fc
 Type III - Short - N/A

REPORT NUMBER: P632873
CATALOG NUMBER: GWS-SA2D-750-U-SLR-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P632873

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

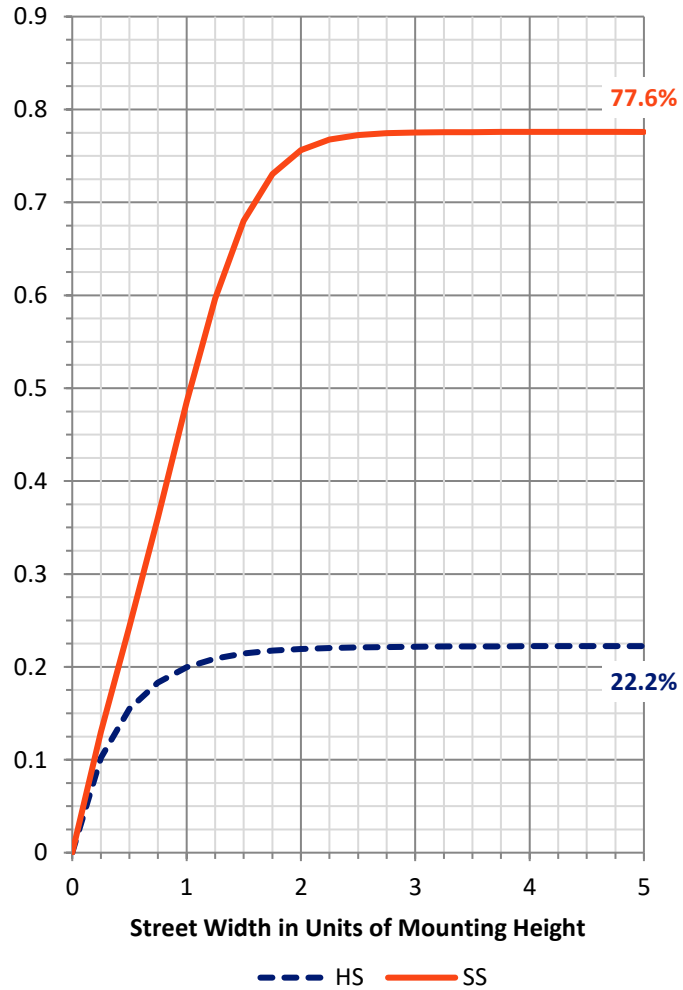
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1426.8	0.0	1426.8
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	4945.1	0.0	4945.1
	% Fixture	77.6	0.0	77.6
Total	Lumens	6371.9	0.0	6371.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.2	1.7
10°-20°	356.4	5.6
20°-30°	579.0	9.1
30°-40°	894.6	14.0
40°-50°	1434.5	22.5
50°-60°	1960.5	30.8
60°-70°	949.5	14.9
70°-80°	86.9	1.4
80°-90°	0.3	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°	6371.9	100.0
0°-180°	6371.9	100.0

Coefficient of Utilization



REPORT NUMBER: P632873

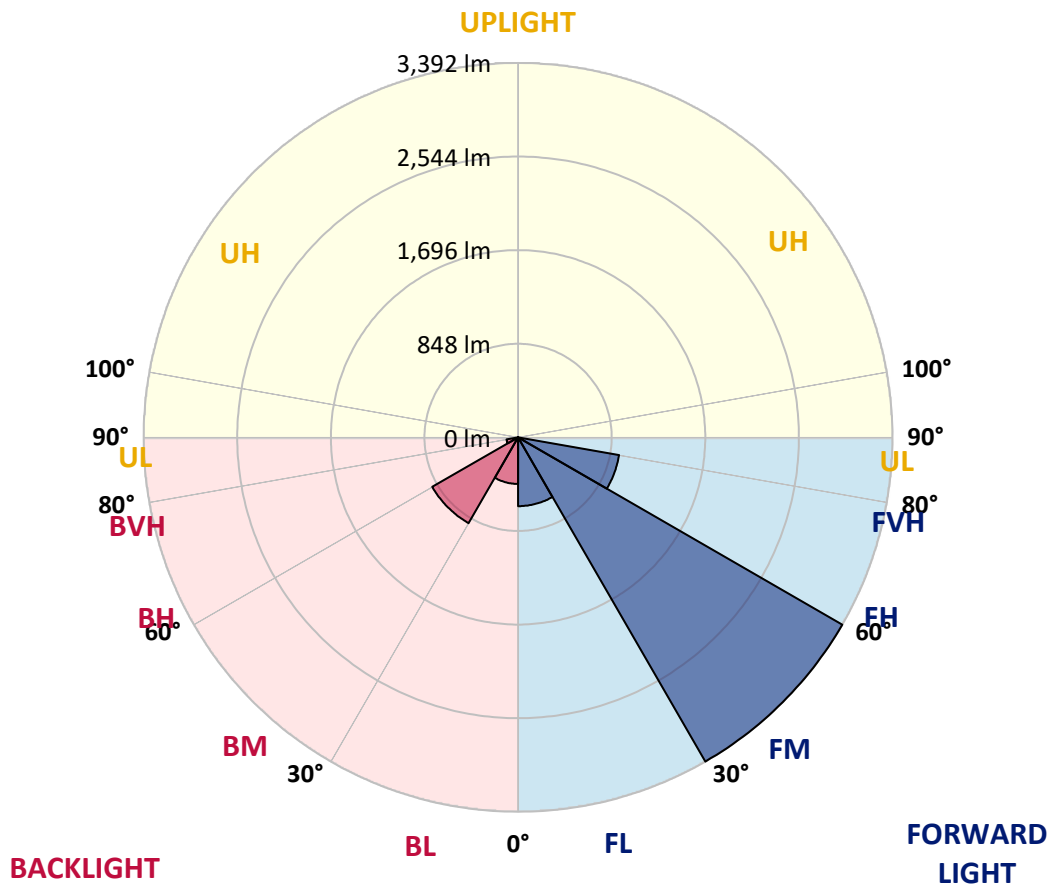
CATALOG NUMBER: GWS-SA2D-750-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	623.4	9.8			
FM (30°-60°)	3391.9	53.2			
FH (60°-80°)	929.5	14.6			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	422.2	6.6	B1/500		
BM (30°-60°)	897.7	14.1	B1/1000		
BH (60°-80°)	106.9	1.7	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: P632873
 CATALOG NUMBER: GWS-SA2D-750-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1119.9	1119.9	1119.9	1119.9	1119.9	1119.9	1119.9	1119.9	1119.9	1119.9	1119.9
2.5°	1213.3	1221.0	1233.8	1261.2	1284.3	1299.7	1306.6	1304.9	1295.5	1288.6	1274.9
5°	1343.4	1343.4	1368.2	1430.7	1478.7	1508.7	1524.1	1514.6	1495.8	1465.8	1419.6
7.5°	1457.3	1461.6	1503.5	1592.6	1665.3	1708.1	1733.0	1727.8	1694.5	1637.1	1544.6
10°	1546.3	1551.5	1607.1	1715.9	1801.5	1845.1	1882.0	1885.4	1848.6	1772.4	1666.2
12.5°	1632.8	1637.9	1696.2	1800.6	1876.0	1893.9	1926.5	1939.3	1929.9	1876.0	1765.5
15°	1726.1	1738.1	1787.8	1865.7	1897.4	1876.0	1897.4	1920.5	1952.2	1947.0	1847.7
17.5°	1817.7	1826.3	1876.8	1904.2	1869.1	1813.5	1823.7	1851.1	1923.1	1993.3	1929.1
20°	1902.5	1914.5	1956.5	1920.5	1814.3	1727.8	1728.7	1764.7	1874.3	2021.5	2012.1
22.5°	1991.6	2009.5	2039.5	1938.5	1763.8	1660.2	1664.5	1697.0	1835.7	2048.1	2106.3
25°	2108.0	2125.1	2144.8	1983.0	1747.5	1626.8	1643.1	1673.0	1835.7	2093.4	2222.7
27.5°	2265.5	2277.5	2278.4	2066.0	1775.8	1631.9	1666.2	1700.4	1890.5	2184.2	2378.6
30°	2463.3	2482.2	2457.3	2195.3	1864.0	1700.4	1751.0	1793.8	2008.7	2337.5	2608.0
32.5°	2703.9	2730.5	2697.1	2387.1	2048.1	1936.8	2028.4	2053.2	2197.0	2559.2	2868.3
35°	2986.5	3008.7	2972.8	2652.6	2477.9	2498.4	2664.5	2632.9	2575.5	2832.4	3172.3
37.5°	3296.4	3317.0	3247.6	3055.0	3113.2	3202.2	3467.7	3358.9	3174.0	3184.3	3501.9
40°	3580.7	3603.0	3494.2	3492.5	3612.4	3775.1	4095.3	3945.4	3693.7	3644.9	3811.0
42.5°	3875.2	3890.6	3792.2	3725.4	3997.7	4332.5	4671.5	4469.4	4037.9	3984.8	4198.0
45°	4295.6	4328.2	4152.6	3840.1	4344.4	4973.8	5446.4	5051.7	4272.5	4229.7	4790.5
47.5°	4913.8	4937.8	4579.9	3912.0	4667.2	5772.6	6414.8	5806.9	4478.9	4381.3	5600.5
50°	5425.0	5441.2	4972.9	3990.8	5010.6	6634.0	7518.4	6702.5	4710.9	4632.1	6356.5
52.5°	5801.7	5863.4	5489.2	4152.6	5461.8	7646.9	8740.2	7763.3	5073.1	5116.7	6983.3
55°	5879.6	5963.5	5842.0	4252.0	5859.1	8678.6	9868.7	8712.8	5434.4	5484.1	7193.9
57.5°	5167.3	5234.0	5335.1	3851.3	5849.7	9151.2	10523.7	9027.9	5270.0	4918.1	6405.3
60°	3871.0	3917.2	4100.4	2943.7	5379.6	8733.4	10013.4	8491.9	4608.2	3752.8	4880.4
62.5°	2295.5	2316.1	2548.1	1906.8	4465.2	7521.0	8304.4	7327.5	3641.5	2524.1	2989.0
65°	881.0	872.5	1049.7	941.0	3283.6	5990.9	6176.7	5585.9	2498.4	1156.7	1139.6
67.5°	136.1	130.1	175.5	278.3	2368.3	4151.8	4075.6	4025.9	1565.2	269.7	235.5
70°	30.8	30.8	37.7	82.2	1447.0	2439.4	2610.6	2489.0	1001.8	57.4	30.8
72.5°	14.6	14.6	18.0	35.1	524.0	1005.2	1171.3	1153.3	325.4	18.8	11.1
75°	5.1	6.0	6.0	7.7	31.7	52.2	119.9	85.6	20.5	0.0	0.0
77.5°	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.9	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: P632873

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1119.9	1119.9	1119.9	1119.9	1119.9	1119.9	1119.9	1119.9	1119.9	1119.9	1119.9
2.5°	1244.9	1238.9	1216.7	1186.7	1157.6	1131.9	1105.4	1073.7	1050.6	1024.0	1015.5
5°	1383.6	1346.0	1285.2	1221.8	1163.6	1113.9	1066.0	1014.6	976.9	939.3	926.4
7.5°	1500.9	1445.3	1346.8	1251.8	1172.2	1101.9	1032.6	962.4	907.6	863.1	849.4
10°	1606.3	1542.0	1410.2	1292.9	1192.7	1111.4	1027.5	939.3	868.2	815.1	802.3
12.5°	1697.0	1622.5	1464.1	1323.7	1201.3	1107.9	1026.6	956.4	892.2	831.4	815.1
15°	1773.2	1691.0	1509.5	1344.3	1188.4	1065.1	994.1	982.9	977.8	911.0	879.3
17.5°	1847.7	1755.2	1546.3	1353.7	1152.5	989.8	938.4	988.9	1042.9	999.2	959.0
20°	1925.6	1820.3	1584.0	1355.4	1092.5	905.0	896.5	976.1	1044.6	1030.9	993.2
22.5°	2017.2	1901.7	1631.1	1354.5	1017.2	833.1	865.6	951.3	1006.9	1006.1	976.1
25°	2150.0	2004.4	1694.5	1359.7	935.0	777.4	831.4	909.3	954.7	953.0	928.1
27.5°	2292.1	2126.8	1776.6	1372.5	864.8	744.9	791.1	851.9	891.3	889.6	868.2
30°	2491.6	2268.1	1855.4	1373.4	814.3	727.8	746.6	788.6	826.2	822.0	805.7
32.5°	2733.9	2427.4	1921.3	1324.6	782.6	711.5	700.4	721.8	750.9	744.9	740.6
35°	3026.7	2616.6	1977.9	1217.5	733.8	679.0	649.0	653.3	673.8	677.3	675.6
37.5°	3360.6	2841.8	2048.1	1076.3	667.8	631.9	591.6	588.2	600.2	611.3	619.9
40°	3690.3	3095.2	2143.1	933.3	607.9	572.0	533.4	524.9	530.0	549.7	567.7
42.5°	4061.0	3388.9	2245.9	810.8	566.8	506.0	469.2	452.9	467.5	499.2	520.6
45°	4595.3	3800.7	2346.0	713.2	549.7	447.8	398.1	396.4	412.7	453.8	477.8
47.5°	5345.4	4333.3	2412.0	637.0	548.8	402.4	343.3	353.6	372.5	412.7	440.1
50°	6076.6	5000.3	2339.2	578.8	530.9	372.5	302.2	322.8	341.6	376.7	405.0
52.5°	6517.5	5359.1	2055.8	524.0	475.2	358.8	262.0	298.0	301.4	333.1	363.0
55°	6471.3	5127.0	1574.6	439.2	393.0	339.1	220.0	268.9	270.6	294.5	320.2
57.5°	5616.8	4401.8	1081.4	356.2	295.4	280.0	181.5	226.9	243.2	257.7	276.6
60°	4186.0	3211.7	482.0	289.4	187.5	189.2	155.0	171.2	196.1	213.2	229.5
62.5°	2466.8	1847.7	196.1	173.8	103.6	119.0	125.0	125.0	140.4	153.3	163.5
65°	932.4	646.4	79.6	87.3	53.9	55.7	73.6	90.8	102.7	113.9	127.6
67.5°	163.5	113.0	41.1	32.5	31.7	28.3	37.7	59.1	65.9	74.5	80.5
70°	27.4	23.1	17.1	16.3	14.6	15.4	24.8	42.0	46.2	48.8	51.4
72.5°	7.7	6.8	5.1	4.3	3.4	4.3	15.4	32.5	34.2	36.0	38.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	6.0	23.1	24.8	25.7	28.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	6.8	8.6	6.8
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: P632873

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

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1119.9	1119.9	1119.9	1119.9	1119.9	1119.9	1119.9	1119.9	1119.9	1119.9	1119.9
2.5°	1010.3	993.2	983.8	978.7	978.7	971.8	964.1	961.5	972.7	972.7	991.5
5°	910.2	896.5	881.0	871.6	857.1	859.6	851.1	850.2	861.4	866.5	886.2
7.5°	840.8	823.7	814.3	808.3	800.6	797.1	789.4	786.9	792.9	801.4	820.3
10°	794.6	792.0	791.1	795.4	795.4	791.1	784.3	780.0	781.7	798.0	819.4
12.5°	806.6	811.7	813.4	820.3	823.7	820.3	815.1	816.8	828.0	857.9	889.6
15°	858.8	854.5	852.8	856.2	858.8	855.4	853.6	866.5	905.0	947.8	983.8
17.5°	914.4	887.0	875.1	875.1	876.8	875.1	876.8	901.6	964.1	1006.9	1033.5
20°	942.7	892.2	873.3	869.1	872.5	873.3	879.3	907.6	976.1	1006.1	1012.0
22.5°	934.1	870.8	849.4	845.9	849.4	852.8	858.8	882.8	947.0	962.4	959.8
25°	891.3	828.8	811.7	811.7	819.4	818.5	821.1	838.2	891.3	900.7	896.5
27.5°	837.4	778.3	763.7	772.3	779.2	777.4	778.3	792.9	832.2	834.8	830.5
30°	782.6	731.2	717.5	727.8	737.2	735.5	736.3	750.9	775.7	773.2	767.2
32.5°	726.9	689.3	679.0	685.0	699.5	697.8	701.2	716.7	726.1	714.9	708.1
35°	675.6	655.9	648.2	651.6	662.7	665.3	671.3	681.5	681.5	667.8	655.9
37.5°	627.6	625.0	619.9	615.6	625.9	633.6	642.2	654.1	637.0	617.3	606.2
40°	583.1	594.2	587.4	576.2	582.2	593.4	610.5	619.9	599.4	579.7	560.8
42.5°	542.0	560.8	558.3	544.6	549.7	560.0	579.7	587.4	563.4	541.1	523.1
45°	502.6	529.1	530.9	513.7	518.9	529.1	552.3	554.8	524.0	500.0	487.2
47.5°	468.3	497.5	498.3	485.5	487.2	501.7	523.1	524.0	488.9	466.6	450.4
50°	435.8	469.2	471.8	460.6	462.4	479.5	497.5	494.0	456.4	433.2	418.7
52.5°	396.4	441.8	447.8	442.7	449.5	463.2	474.3	462.4	418.7	395.6	382.7
55°	353.6	412.7	425.5	422.1	429.8	441.0	443.5	435.8	381.0	357.9	345.9
57.5°	304.0	339.9	362.2	355.3	361.3	372.5	380.2	374.2	333.1	315.1	304.8
60°	251.7	275.7	280.8	269.7	264.6	284.3	302.2	294.5	259.4	248.3	236.3
62.5°	184.1	211.5	214.9	200.4	194.4	215.8	231.2	223.5	184.9	173.0	163.5
65°	147.3	173.0	179.8	166.1	162.7	178.9	188.4	169.5	142.1	129.3	119.0
67.5°	96.8	117.3	135.3	134.4	127.6	132.7	125.9	110.5	90.8	83.9	77.1
70°	59.9	71.9	83.1	87.3	86.5	84.8	75.3	64.2	58.2	55.7	52.2
72.5°	46.2	58.2	66.8	69.4	70.2	67.6	59.9	49.7	43.7	40.2	37.7
75°	34.2	43.7	50.5	53.9	55.7	53.9	46.2	39.4	33.4	30.8	28.3
77.5°	12.0	14.6	18.0	19.7	18.8	18.0	16.3	16.3	12.8	12.0	10.3
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: P632873

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1119.9	1119.9	1119.9	1119.9	1119.9	1119.9	1119.9	1119.9	1119.9	1119.9
2.5°	1012.9	1028.3	1056.6	1082.3	1109.7	1137.9	1168.7	1200.4	1215.0	1213.3
5°	916.2	949.5	995.8	1046.3	1102.8	1163.6	1231.2	1300.6	1330.6	1343.4
7.5°	855.4	902.5	963.2	1027.5	1101.9	1188.4	1290.3	1399.1	1442.7	1457.3
10°	863.1	917.9	968.4	1030.9	1110.5	1222.7	1349.4	1478.7	1530.1	1546.3
12.5°	925.6	937.6	951.3	1002.6	1102.8	1248.4	1403.3	1557.5	1616.5	1632.8
15°	982.1	926.4	900.7	947.8	1075.4	1266.3	1458.1	1642.2	1707.3	1726.1
17.5°	984.6	900.7	843.4	880.2	1030.9	1274.0	1512.1	1728.7	1799.8	1817.7
20°	953.0	872.5	798.8	799.7	970.1	1272.3	1556.6	1806.6	1886.2	1902.5
22.5°	906.7	839.1	762.9	736.3	905.0	1268.9	1605.4	1889.7	1976.1	1991.6
25°	855.4	796.3	728.6	688.4	839.9	1272.3	1673.9	1998.4	2093.4	2108.0
27.5°	799.7	749.2	702.1	669.6	785.1	1285.2	1756.1	2137.1	2250.1	2265.5
30°	741.5	703.8	685.0	665.3	750.9	1288.6	1845.1	2298.9	2441.9	2463.3
32.5°	684.1	663.6	664.4	667.8	718.4	1264.6	1926.5	2478.7	2669.7	2703.9
35°	631.0	625.0	642.2	659.3	671.3	1203.0	1997.6	2691.1	2951.4	2986.5
37.5°	585.7	590.8	612.2	629.3	619.9	1115.6	2091.7	2956.5	3266.5	3296.4
40°	542.0	554.8	579.7	587.4	580.5	1013.8	2204.8	3212.5	3539.6	3580.7
42.5°	501.7	511.2	546.3	548.0	569.4	910.2	2313.5	3488.2	3853.8	3875.2
45°	469.2	467.5	503.5	514.6	583.9	795.4	2419.7	3855.5	4264.8	4295.6
47.5°	437.5	435.8	444.4	494.9	589.9	689.3	2525.0	4393.2	4860.7	4913.8
50°	407.6	410.1	383.6	485.5	557.4	607.9	2572.9	4890.7	5402.7	5425.0
52.5°	381.0	371.6	325.4	454.7	488.0	530.9	2436.8	5116.7	5738.4	5801.7
55°	343.3	291.1	268.0	369.0	385.3	463.2	1995.8	4985.7	5767.5	5879.6
57.5°	293.7	228.6	227.8	272.3	272.3	429.8	1278.3	4259.7	4970.3	5167.3
60°	226.0	177.2	188.4	189.2	174.7	313.4	717.5	3085.8	3674.9	3871.0
62.5°	161.0	135.3	142.1	113.0	100.2	156.7	344.2	1776.6	2268.1	2295.5
65°	107.9	91.6	74.5	62.5	61.6	66.8	142.1	642.2	780.9	881.0
67.5°	71.1	55.7	39.4	39.4	44.5	44.5	53.9	106.2	149.0	136.1
70°	46.2	38.5	24.8	24.0	29.1	29.1	27.4	29.1	30.8	30.8
72.5°	34.2	29.1	14.6	12.8	16.3	17.1	15.4	14.6	14.6	14.6
75°	25.7	20.5	8.6	6.0	7.7	10.3	8.6	6.0	6.0	5.1
77.5°	10.3	7.7	3.4	2.6	4.3	6.0	5.1	2.6	1.7	1.7
80°	0.9	1.7	1.7	1.7	2.6	3.4	4.3	1.7	0.9	0.9
82.5°	0.0	0.9	0.9	0.9	1.7	2.6	3.4	1.7	0.9	0.9
85°	0.0	0.0	0.0	0.0	1.7	2.6	1.7	0.9	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.9	2.6	1.7	0.9	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)