

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: P630450

Luminaire Tested: GWS-SA1D-760-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630450
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-SA1D-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4761.9 lumens
Efficiency: N/A
Efficacy: 107.5 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

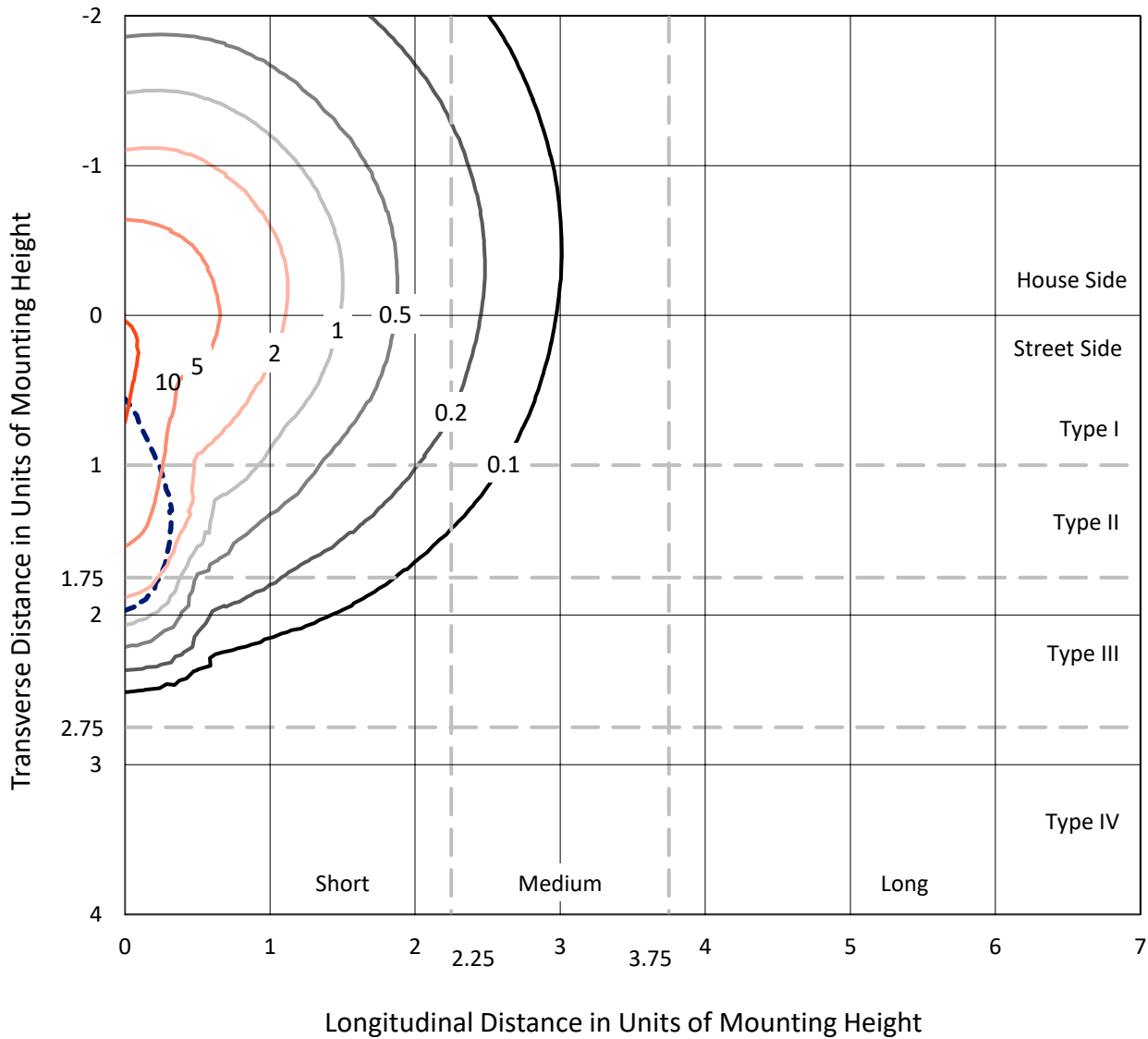
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630450
 CATALOG NUMBER: GWS-SA1D-760-U-SLL-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

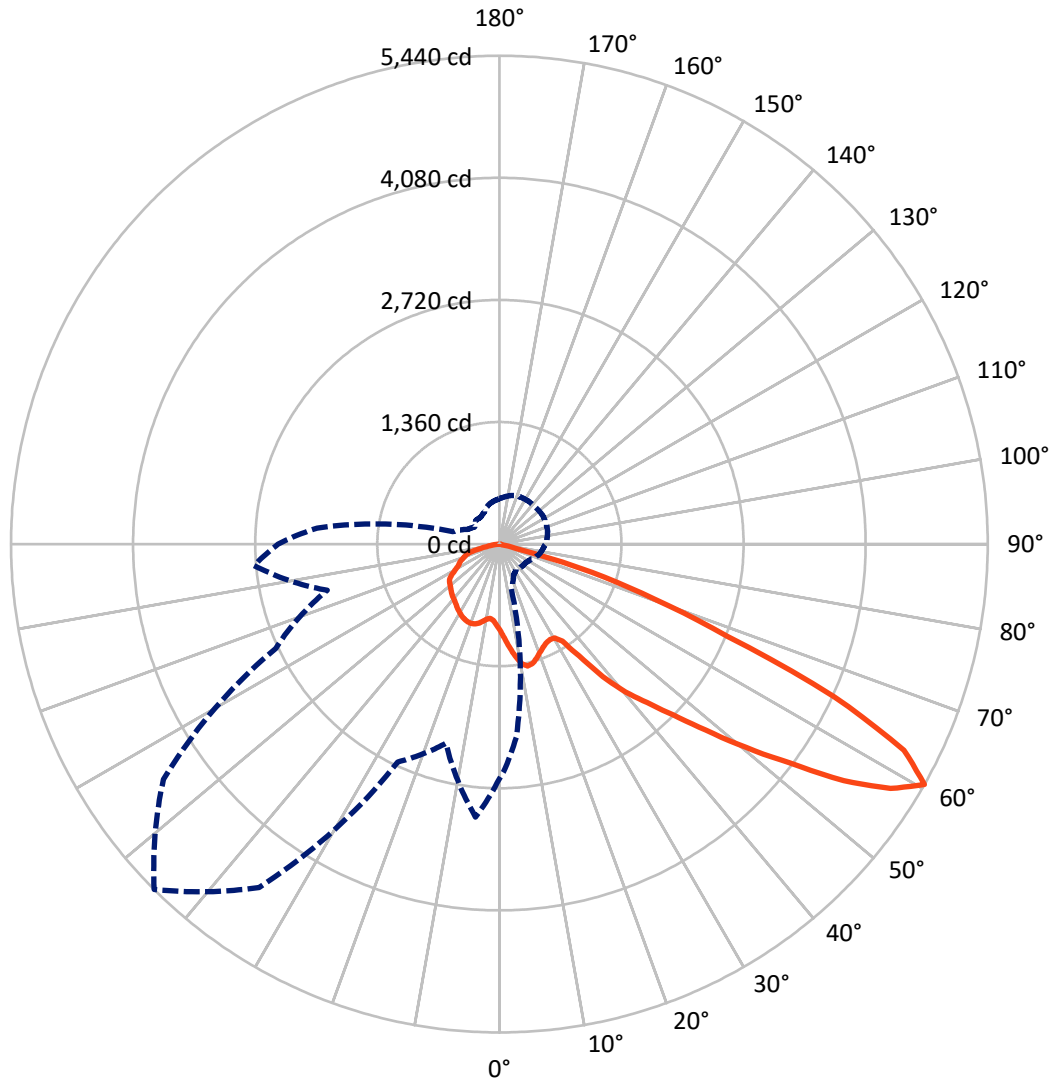
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.6 fc
 Type III - Short - N/A

REPORT NUMBER: P630450
CATALOG NUMBER: GWS-SA1D-760-U-SLL-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P630450

CATALOG NUMBER: GWS-SA1D-760-U-SLL-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1629.0	0.0	1629.0
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	3132.9	0.0	3132.9
	% Fixture	65.8	0.0	65.8
Total	Lumens	4761.9	0.0	4761.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.8	2.0
10°-20°	301.0	6.3
20°-30°	490.2	10.3
30°-40°	688.6	14.5
40°-50°	942.2	19.8
50°-60°	1208.8	25.4
60°-70°	814.0	17.1
70°-80°	203.5	4.3
80°-90°	19.8	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°	4761.9	100.0
0°-180°	4761.9	100.0

Coefficient of Utilization



REPORT NUMBER: P630450

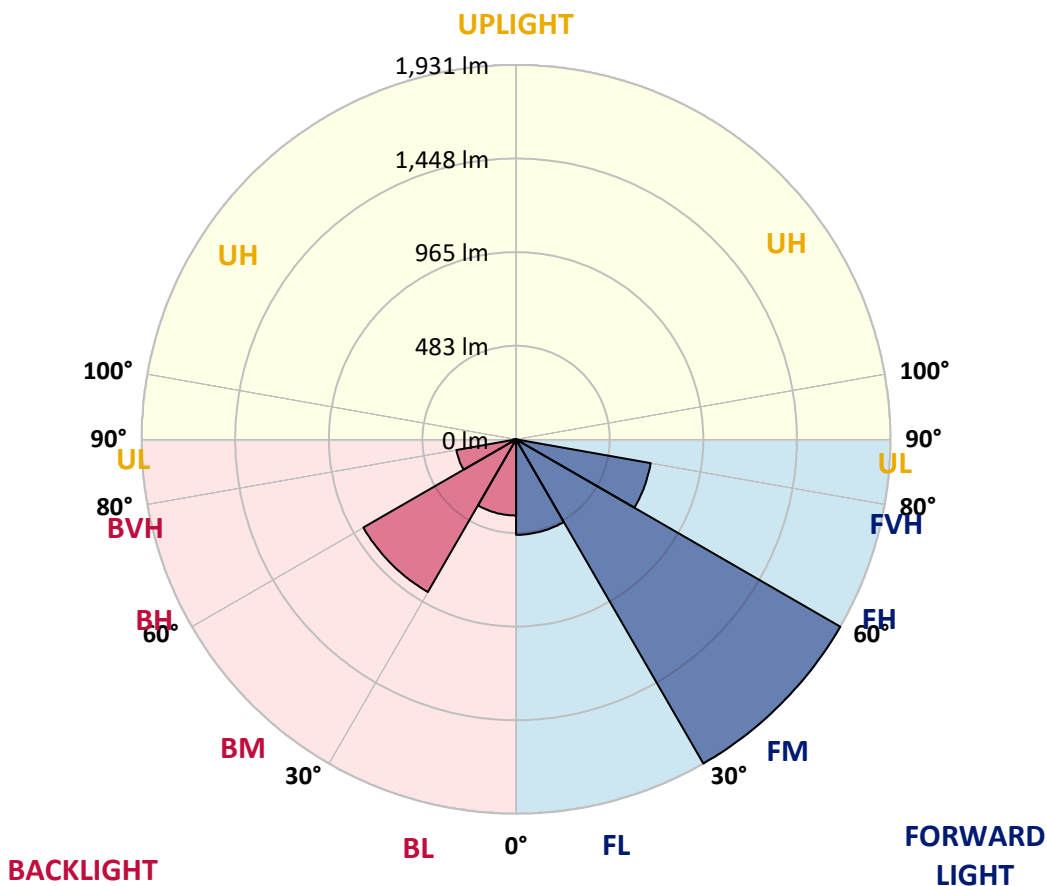
CATALOG NUMBER: GWS-SA1D-760-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	492.3	10.3			
FM (30°-60°)	1930.5	40.5			
FH (60°-80°)	705.0	14.8			G1/1800
FVH (80°-90°)	5.2	0.1			G0/10
BL (0°-30°)	392.7	8.2	B1/500		
BM (30°-60°)	909.1	19.1	B1/1000		
BH (60°-80°)	312.5	6.6	B1/500		G1/500
BVH (80°-90°)	14.7	0.3			G1/100
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: P630450

CATALOG NUMBER: GWS-SA1D-760-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	960.4	960.4	960.4	960.4	960.4	960.4	960.4	960.4	960.4	960.4	960.4
2.5°	1016.1	1013.9	1011.7	994.6	990.2	978.0	969.2	958.2	942.4	933.7	926.2
5°	1079.7	1076.2	1064.4	1029.3	1006.5	981.5	960.9	938.1	913.9	898.2	885.9
7.5°	1139.8	1138.9	1118.7	1060.9	1024.0	988.1	960.0	926.7	892.0	868.3	852.5
10°	1195.5	1188.9	1164.8	1089.4	1041.1	999.9	969.6	932.8	892.4	860.4	839.4
12.5°	1244.6	1236.3	1202.9	1115.7	1056.0	1005.2	972.3	942.0	915.3	888.5	864.4
15°	1285.0	1274.9	1241.1	1140.2	1069.2	1002.1	956.0	932.4	941.6	953.4	926.7
17.5°	1322.7	1312.1	1270.9	1158.2	1073.1	983.2	916.1	906.0	952.5	1006.5	994.2
20°	1354.2	1342.4	1294.6	1167.0	1066.1	947.3	864.4	881.9	943.3	1007.8	1027.5
22.5°	1388.4	1378.8	1321.4	1179.7	1057.3	897.7	821.0	863.9	927.5	984.1	1013.9
25°	1443.3	1431.4	1363.0	1202.1	1053.0	851.2	789.8	846.4	905.6	956.9	980.2
27.5°	1522.6	1500.7	1420.0	1241.1	1057.8	807.4	770.1	824.9	880.2	924.0	942.9
30°	1609.0	1582.7	1483.2	1281.4	1064.8	780.6	759.6	800.4	841.1	885.0	905.6
32.5°	1711.2	1688.0	1550.7	1311.7	1049.9	768.3	751.7	773.6	806.1	841.1	858.2
35°	1833.1	1791.5	1624.4	1336.3	1001.6	750.4	744.7	744.2	761.3	795.5	814.8
37.5°	1964.3	1919.5	1715.2	1362.6	926.7	721.9	728.0	709.6	725.4	752.6	774.5
40°	2071.7	2024.8	1806.8	1398.5	832.8	677.1	691.2	671.4	681.1	709.1	733.7
42.5°	2177.0	2127.0	1892.3	1439.3	742.0	633.3	640.3	632.8	635.9	665.3	699.5
45°	2315.1	2259.0	1997.6	1468.3	660.5	598.6	592.0	579.3	595.6	633.7	670.1
47.5°	2545.8	2478.7	2169.9	1487.1	601.3	578.9	548.6	541.2	561.3	603.9	641.6
50°	2815.5	2757.6	2445.4	1486.2	557.0	562.2	506.5	499.9	533.3	576.3	616.2
52.5°	3036.5	2977.8	2680.9	1442.4	520.6	526.7	482.0	463.5	509.2	549.1	589.0
55°	3215.0	3148.8	2789.2	1259.1	474.5	470.1	455.2	421.4	478.9	521.9	559.2
57.5°	3119.0	3040.0	2658.1	957.4	427.1	399.5	409.2	384.2	437.7	491.6	527.6
60°	2615.1	2544.0	2159.4	509.6	375.8	333.7	353.9	357.9	392.5	455.2	492.1
62.5°	1796.3	1744.6	1463.4	309.2	296.5	268.0	299.5	328.0	353.9	407.0	439.0
65°	878.9	863.5	731.9	198.2	207.4	216.6	248.2	282.9	321.0	367.5	401.3
67.5°	242.1	243.8	221.9	154.8	163.6	189.0	214.0	241.6	279.8	322.8	357.0
70°	106.6	108.3	111.8	119.3	136.0	159.2	185.1	213.6	248.7	284.6	317.5
72.5°	74.1	75.9	81.1	90.8	105.7	127.6	152.2	179.4	215.8	246.0	273.2
75°	45.6	46.9	51.7	60.1	70.2	86.8	111.0	136.0	168.0	195.6	219.7
77.5°	24.1	23.2	26.3	32.0	40.8	49.6	65.8	81.6	104.4	126.7	146.9
80°	13.2	12.7	14.5	17.5	20.2	27.2	38.2	48.7	61.8	74.6	85.5
82.5°	5.7	5.3	5.7	7.5	9.2	13.2	19.3	26.8	34.2	43.0	50.0
85°	0.0	0.0	0.0	0.4	2.2	3.5	6.6	9.6	14.0	19.3	23.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.9
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: P630450

CATALOG NUMBER: GWS-SA1D-760-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	960.4	960.4	960.4	960.4	960.4	960.4	960.4	960.4	960.4	960.4	960.4
2.5°	921.8	910.9	910.0	901.2	902.1	902.5	893.8	890.3	893.3	896.8	895.1
5°	881.5	870.1	865.3	856.9	856.0	852.1	848.6	844.2	847.3	850.3	852.1
7.5°	846.4	838.9	835.9	833.7	834.6	832.8	825.8	821.8	821.4	822.7	824.5
10°	835.0	828.9	832.8	838.9	843.3	846.4	838.9	832.4	826.2	823.6	823.6
12.5°	859.6	851.7	859.6	866.1	874.9	877.1	868.8	861.8	859.6	862.2	867.5
15°	913.9	895.5	895.1	899.0	906.0	909.6	901.7	898.2	898.2	914.8	928.0
17.5°	968.3	938.1	925.3	923.1	927.5	928.8	922.3	919.2	927.1	959.5	984.1
20°	1006.5	969.6	942.0	936.7	938.1	938.5	933.2	931.0	942.4	981.9	1002.5
22.5°	1002.5	975.3	941.6	935.0	937.2	936.3	931.5	930.6	939.8	974.0	983.7
25°	975.3	954.3	925.8	921.4	924.9	924.5	919.6	917.4	921.4	944.2	945.1
27.5°	944.2	925.8	901.2	899.9	905.6	908.7	900.3	893.8	892.4	907.8	904.3
30°	906.9	893.3	873.6	874.5	885.0	886.7	876.7	867.0	864.4	872.7	867.9
32.5°	862.6	858.2	847.7	849.9	860.0	863.5	853.0	842.9	839.8	842.5	832.4
35°	824.9	823.2	824.0	828.0	836.8	839.4	830.6	822.7	818.3	809.1	796.0
37.5°	785.9	790.7	803.4	810.9	815.7	814.8	810.0	804.3	797.3	780.2	764.0
40°	749.5	761.8	784.6	792.9	794.7	795.1	791.6	786.8	778.0	755.2	736.8
42.5°	721.4	735.0	765.3	778.0	778.9	779.7	776.2	772.3	760.0	729.7	711.8
45°	692.0	710.0	745.5	760.9	760.0	759.6	756.5	754.7	740.3	705.2	685.5
47.5°	667.0	688.1	726.2	739.4	739.0	738.5	736.3	736.3	721.9	683.7	661.3
50°	642.5	666.6	706.5	717.5	718.3	717.5	716.6	717.9	700.8	660.0	638.1
52.5°	615.7	642.9	684.6	694.7	699.9	702.1	702.1	699.0	678.9	636.3	612.2
55°	586.3	612.2	660.5	674.1	678.4	682.4	682.4	676.2	657.4	614.4	588.5
57.5°	549.9	572.7	610.9	624.5	635.0	637.7	637.7	627.6	612.2	571.0	549.9
60°	510.5	530.2	556.1	570.6	578.4	573.2	577.1	574.5	562.2	524.1	506.5
62.5°	457.8	478.0	506.5	521.4	524.9	519.7	524.9	524.5	507.8	473.6	452.6
65°	420.1	439.9	467.9	487.2	492.9	491.6	495.1	489.9	469.2	436.8	416.6
67.5°	375.4	396.4	428.9	450.4	462.2	463.5	468.4	457.4	436.4	400.8	375.4
70°	332.9	350.8	375.8	396.0	412.7	421.0	421.9	406.1	379.8	350.4	332.0
72.5°	288.1	306.5	336.8	358.7	379.8	389.4	389.4	370.1	341.6	309.2	289.4
75°	233.7	250.9	278.5	302.2	326.3	338.6	338.1	321.5	289.9	259.2	238.6
77.5°	158.3	171.0	188.6	206.6	210.1	219.7	224.5	203.5	185.9	169.3	150.9
80°	92.1	100.0	109.6	119.7	121.9	125.0	117.1	109.2	100.0	89.0	80.7
82.5°	53.9	59.2	64.0	71.9	73.2	74.1	67.1	63.6	56.1	49.6	44.3
85°	26.3	28.1	32.5	36.4	34.6	33.8	30.7	27.2	24.1	21.5	18.9
87.5°	5.3	5.3	7.9	7.5	6.1	5.3	3.1	3.9	0.9	0.9	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: P630450

CATALOG NUMBER: GWS-SA1D-760-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	960.4	960.4	960.4	960.4	960.4	960.4	960.4	960.4	960.4	960.4	960.4
2.5°	900.8	908.2	917.4	929.7	943.8	958.7	973.1	984.1	995.1	1011.3	1008.7
5°	854.7	867.5	881.9	900.8	923.6	949.5	978.4	1007.3	1038.5	1064.8	1076.2
7.5°	828.0	842.0	859.1	883.7	913.1	944.6	985.4	1032.3	1082.8	1117.4	1138.9
10°	828.0	846.0	868.3	892.0	917.9	950.3	1000.8	1059.5	1124.4	1170.1	1195.0
12.5°	875.8	893.8	898.6	897.7	912.2	948.1	1013.1	1088.0	1165.7	1213.9	1244.6
15°	950.3	956.5	920.1	886.7	888.9	932.4	1018.8	1110.8	1201.2	1259.1	1292.4
17.5°	1000.3	984.1	919.2	860.9	848.6	905.6	1018.8	1132.8	1238.9	1304.2	1335.4
20°	1004.3	963.9	896.8	835.9	804.3	870.1	1011.7	1149.4	1275.3	1347.7	1381.0
22.5°	969.6	929.7	873.2	814.4	767.9	827.1	1000.3	1162.2	1306.4	1388.4	1429.7
25°	930.2	896.8	849.0	792.5	742.9	783.7	989.8	1183.6	1349.9	1443.7	1485.4
27.5°	891.6	863.5	820.1	774.0	728.9	746.0	983.2	1215.2	1401.6	1522.2	1558.2
30°	853.9	828.4	789.0	756.5	721.4	721.4	977.5	1251.6	1470.0	1610.4	1646.3
32.5°	815.7	791.6	759.6	739.4	717.0	711.8	961.7	1285.8	1540.6	1706.8	1743.7
35°	780.2	756.1	731.5	723.2	714.8	704.3	922.7	1312.6	1609.5	1819.5	1851.1
37.5°	746.9	723.6	705.2	703.0	703.9	684.1	861.3	1334.9	1695.4	1934.9	1951.5
40°	717.9	692.0	677.6	677.1	681.5	651.7	783.7	1367.0	1793.7	2032.7	2025.7
42.5°	692.0	664.8	647.3	651.2	648.6	619.2	707.8	1396.3	1879.2	2124.3	2110.3
45°	666.6	640.3	615.7	621.4	618.4	599.1	643.4	1417.8	1973.9	2234.4	2236.2
47.5°	642.0	616.2	591.6	584.6	584.1	592.9	593.8	1424.8	2128.3	2411.6	2371.7
50°	619.2	593.4	567.9	544.2	553.5	580.6	557.0	1419.6	2359.4	2607.2	2495.8
52.5°	595.6	571.0	542.9	500.4	524.5	551.3	524.1	1400.7	2500.6	2780.0	2713.3
55°	568.4	545.1	507.0	455.2	484.6	490.3	490.3	1218.3	2560.7	2951.0	2992.2
57.5°	532.0	501.3	440.7	399.1	425.4	403.5	454.3	852.5	2461.6	2897.1	3057.1
60°	490.7	457.8	393.8	364.0	371.9	333.3	387.2	534.6	2040.1	2465.1	2742.3
62.5°	436.4	406.1	353.0	329.8	313.6	271.9	311.8	338.1	1398.5	1830.5	2019.5
65°	400.0	366.6	319.3	288.6	255.2	218.8	207.0	221.9	752.1	1024.5	1152.1
67.5°	357.0	324.1	279.4	240.8	214.0	187.7	167.1	161.8	257.9	341.2	369.3
70°	316.2	284.6	247.3	211.4	184.6	158.8	138.6	124.1	119.3	118.4	116.7
72.5°	274.5	245.1	214.0	180.7	151.3	127.6	109.6	93.0	86.0	83.8	81.6
75°	225.0	201.7	170.6	134.6	111.0	89.0	75.0	64.0	57.9	55.7	53.1
77.5°	144.7	134.2	107.0	86.8	67.1	53.1	45.6	38.6	34.6	33.8	31.6
80°	77.2	71.9	59.2	50.0	39.9	32.5	28.5	24.6	22.4	21.5	20.6
82.5°	43.0	39.0	32.9	28.9	23.2	19.7	17.5	15.8	14.5	14.0	13.6
85°	19.3	16.7	13.2	12.3	11.0	10.1	9.6	8.8	8.3	7.9	7.5
87.5°	0.9	1.8	2.2	1.8	1.8	2.6	3.1	3.1	2.6	2.6	2.2
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: P630450

CATALOG NUMBER: GWS-SA1D-760-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	960.4	960.4	960.4	960.4	960.4	960.4	960.4	960.4	960.4	960.4
2.5°	1024.9	1038.0	1039.4	1043.7	1038.0	1036.7	1027.5	1022.3	1017.4	1016.1
5°	1104.7	1131.0	1141.5	1149.0	1142.0	1138.5	1118.3	1097.3	1085.4	1079.7
7.5°	1186.7	1226.2	1246.8	1256.0	1256.9	1241.1	1206.5	1167.0	1147.2	1139.8
10°	1260.0	1308.6	1335.8	1353.4	1347.2	1327.9	1280.6	1227.1	1202.1	1195.5
12.5°	1314.3	1360.8	1381.9	1393.3	1392.8	1382.3	1337.6	1279.7	1251.2	1244.6
15°	1349.4	1377.0	1378.4	1381.0	1388.4	1402.5	1379.2	1325.7	1294.2	1285.0
17.5°	1377.0	1366.1	1345.5	1338.5	1355.1	1394.2	1408.2	1364.8	1330.6	1322.7
20°	1394.6	1339.3	1302.9	1289.3	1308.6	1372.2	1425.7	1399.9	1364.3	1354.2
22.5°	1408.2	1314.3	1255.6	1246.4	1266.5	1348.5	1443.7	1441.5	1402.5	1388.4
25°	1429.7	1297.7	1222.2	1215.7	1234.5	1337.1	1467.8	1498.1	1463.4	1443.3
27.5°	1463.4	1295.9	1205.1	1202.9	1228.8	1347.2	1502.5	1581.0	1537.6	1522.6
30°	1510.4	1312.6	1209.1	1213.5	1245.0	1383.6	1556.4	1675.7	1632.3	1609.0
32.5°	1577.9	1357.3	1269.2	1288.0	1311.3	1442.0	1635.4	1778.3	1745.4	1711.2
35°	1666.9	1480.1	1446.8	1527.0	1505.1	1569.6	1730.5	1902.9	1863.0	1833.1
37.5°	1785.8	1731.8	1762.5	1873.0	1820.0	1810.8	1846.7	2016.0	1994.1	1964.3
40°	1952.4	1963.4	2020.0	2165.1	2088.4	2029.2	1989.3	2101.1	2108.5	2071.7
42.5°	2062.9	2113.4	2249.8	2414.7	2309.0	2167.3	2108.5	2209.9	2210.3	2177.0
45°	2104.2	2236.2	2521.2	2711.1	2534.4	2246.3	2174.3	2357.6	2353.3	2315.1
47.5°	2089.3	2339.7	2803.2	3093.5	2823.8	2302.4	2165.1	2568.1	2603.7	2545.8
50°	2058.1	2443.6	3132.6	3561.9	3179.0	2362.0	2151.1	2801.5	2860.2	2815.5
52.5°	2089.7	2559.4	3522.0	4046.1	3624.6	2457.2	2245.8	3101.0	3090.5	3036.5
55°	2189.7	2696.2	3995.2	4654.3	4114.0	2618.1	2489.2	3386.5	3279.5	3215.0
57.5°	2184.9	2794.0	4410.1	5135.4	4539.9	2750.1	2573.9	3416.7	3200.5	3119.0
60°	1983.1	2749.3	4567.9	5439.8	4668.4	2677.3	2295.4	3051.9	2700.6	2615.1
62.5°	1480.1	2439.7	4261.8	5058.7	4304.8	2312.5	1726.1	2190.6	1940.6	1796.3
65°	946.8	1908.6	3583.0	4098.3	3548.3	1768.7	1028.0	1174.4	920.1	878.9
67.5°	403.0	1347.2	2785.2	2739.2	2654.5	1145.9	396.9	330.7	246.5	242.1
70°	133.3	916.6	1716.9	1827.0	1585.4	789.4	131.1	111.0	110.5	106.6
72.5°	87.3	492.1	966.6	1076.2	1020.1	454.3	79.4	74.1	75.9	74.1
75°	52.2	107.0	162.7	211.4	162.7	76.3	47.8	46.9	47.8	45.6
77.5°	30.7	29.8	28.9	28.9	28.5	26.3	24.1	23.2	23.7	24.1
80°	19.7	18.9	18.0	17.5	15.3	14.5	13.6	12.7	12.7	13.2
82.5°	12.7	11.8	11.0	9.6	7.9	6.6	6.1	5.3	5.3	5.7
85°	6.6	5.3	3.9	3.1	1.8	0.9	0.0	0.0	0.0	0.0
87.5°	1.3	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)