

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: P631609

Luminaire Tested: GWS-SA2B-722-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631609
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-722-U-SLR-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3977.2 lumens
Efficiency: N/A
Efficacy: 85.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

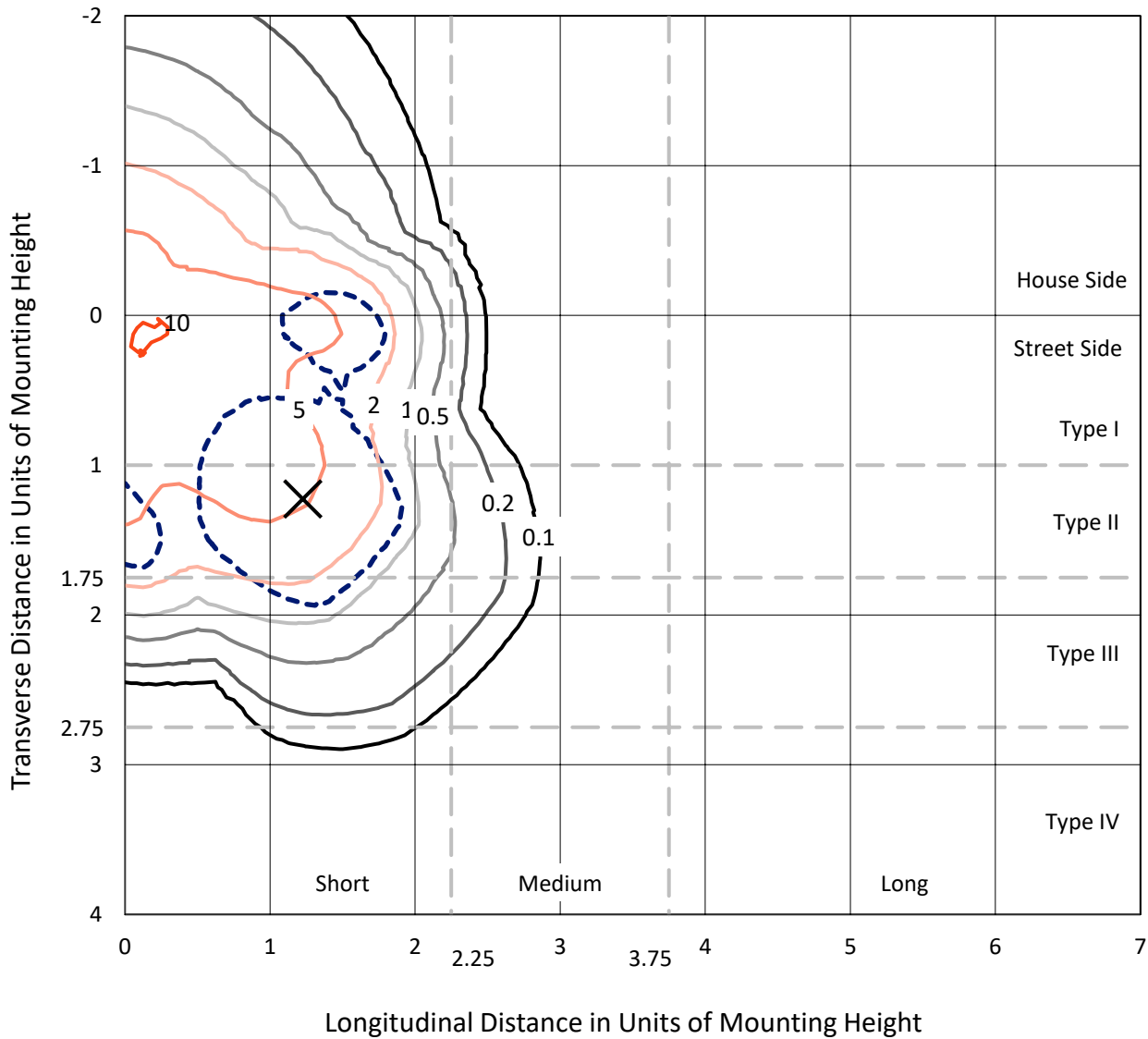
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631609
 CATALOG NUMBER: GWS-SA2B-722-U-SLR-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

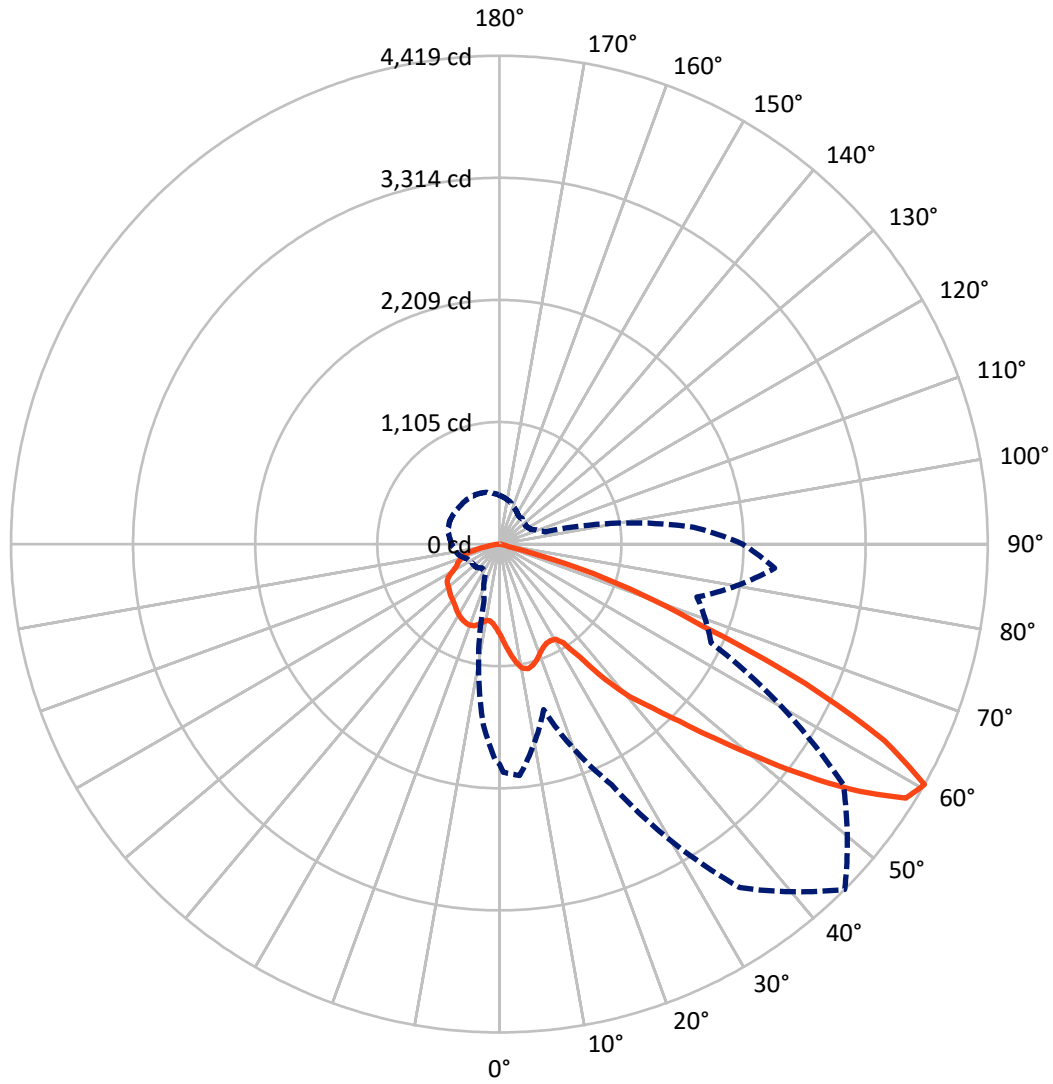
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 fc
 Type III - Short - N/A

REPORT NUMBER: P631609
CATALOG NUMBER: GWS-SA2B-722-U-SLR-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P631609

CATALOG NUMBER: GWS-SA2B-722-U-SLR-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1394.2	0.0	1394.2
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	2583.0	0.0	2583.0
	% Fixture	64.9	0.0	64.9
Total	Lumens	3977.2	0.0	3977.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.7	2.0
10°-20°	251.9	6.3
20°-30°	409.2	10.3
30°-40°	577.1	14.5
40°-50°	797.5	20.1
50°-60°	1026.6	25.8
60°-70°	650.5	16.4
70°-80°	166.9	4.2
80°-90°	17.8	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°	3977.2	100.0
0°-180°	3977.2	100.0

Coefficient of Utilization



REPORT NUMBER: P631609

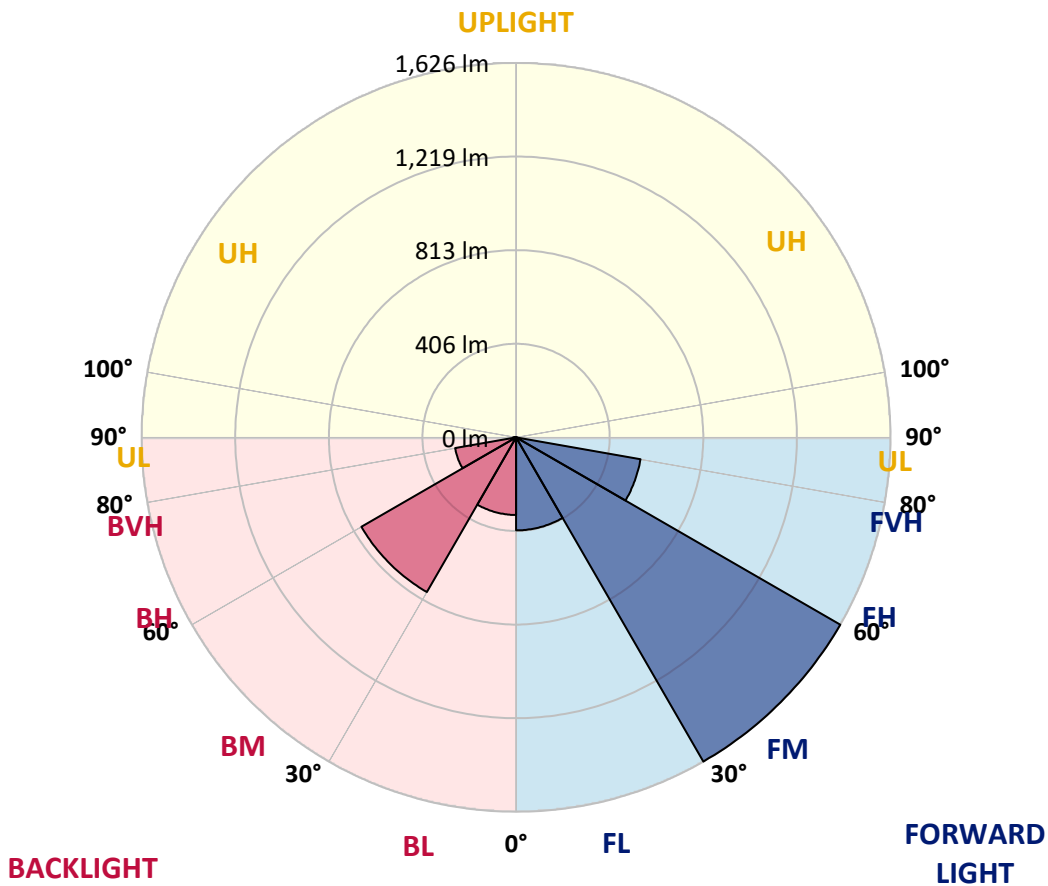
CATALOG NUMBER: GWS-SA2B-722-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	403.8	10.2			
FM (30°-60°)	1625.6	40.9			
FH (60°-80°)	548.7	13.8			G0/660
FVH (80°-90°)	4.8	0.1			G0/10
BL (0°-30°)	337.0	8.5	B1/500		
BM (30°-60°)	775.5	19.5	B1/1000		
BH (60°-80°)	268.7	6.8	B1/500		G1/500
BVH (80°-90°)	13.0	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: P631609

CATALOG NUMBER: GWS-SA2B-722-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0
2.5°	854.6	860.4	864.0	871.0	883.4	890.3	897.9	889.6	891.7	890.6	877.2
5°	905.2	912.1	921.6	942.0	965.0	977.7	989.8	987.9	976.7	957.7	944.2
7.5°	952.6	960.6	977.0	1010.2	1044.1	1063.7	1078.3	1068.8	1059.4	1029.5	995.6
10°	989.8	994.5	1016.7	1061.2	1100.6	1122.8	1140.6	1138.5	1125.3	1091.8	1046.3
12.5°	1024.8	1028.0	1052.1	1096.5	1131.9	1141.7	1156.3	1161.0	1156.7	1131.5	1086.7
15°	1062.3	1068.5	1090.7	1124.6	1140.6	1130.4	1135.5	1148.7	1161.0	1161.0	1119.9
17.5°	1097.3	1102.7	1125.3	1139.9	1124.6	1097.6	1099.1	1115.9	1145.4	1176.4	1150.1
20°	1128.2	1133.4	1155.6	1141.7	1093.3	1053.9	1052.8	1073.2	1121.0	1186.2	1182.5
22.5°	1162.1	1169.4	1188.0	1143.2	1064.1	1014.2	1013.8	1035.0	1099.5	1196.0	1219.7
25°	1210.2	1221.5	1231.0	1155.9	1048.4	988.3	993.0	1013.1	1092.5	1212.1	1274.7
27.5°	1281.7	1290.8	1290.1	1182.5	1047.7	977.7	987.6	1010.9	1104.9	1240.5	1332.7
30°	1358.9	1363.7	1356.0	1219.7	1064.5	984.3	998.9	1026.6	1136.3	1287.5	1418.0
32.5°	1444.6	1450.4	1435.8	1275.5	1103.5	1032.8	1064.8	1078.3	1180.4	1355.3	1508.3
35°	1543.0	1554.3	1524.0	1349.1	1218.3	1209.5	1256.2	1238.7	1274.0	1435.5	1604.9
37.5°	1646.5	1646.8	1603.5	1458.1	1443.5	1458.4	1551.7	1497.0	1472.6	1524.7	1703.3
40°	1734.3	1732.1	1665.4	1604.9	1639.5	1698.9	1811.5	1727.7	1663.6	1644.6	1784.9
42.5°	1822.1	1814.1	1746.7	1698.2	1774.7	1896.8	2024.0	1921.2	1786.0	1753.6	1865.5
45°	1934.4	1931.8	1850.5	1735.4	1896.8	2118.4	2287.1	2120.6	1858.6	1817.0	1999.6
47.5°	2115.5	2103.1	1951.8	1732.5	2011.2	2413.6	2626.8	2371.7	1909.2	1818.5	2216.0
50°	2292.6	2277.3	2072.8	1732.1	2129.3	2719.7	3027.6	2676.7	1961.0	1827.2	2436.2
52.5°	2471.5	2471.5	2271.4	1773.3	2253.2	3061.5	3490.8	3056.8	2049.1	1941.6	2706.9
55°	2577.9	2606.3	2494.8	1842.9	2398.3	3463.8	3948.9	3467.1	2185.4	2148.3	2956.9
57.5°	2442.7	2495.9	2479.9	1794.4	2483.9	3759.4	4337.3	3778.3	2252.9	2172.7	2919.4
60°	1990.5	2064.4	2101.3	1549.5	2399.4	3793.6	4418.6	3798.7	2113.6	1850.2	2500.7
62.5°	1323.2	1384.1	1440.2	1107.1	2077.2	3412.8	3908.1	3413.9	1765.3	1380.8	1732.5
65°	649.0	694.2	754.7	654.5	1622.8	2851.6	3046.9	2758.7	1276.9	772.9	883.7
67.5°	169.8	182.6	191.0	254.0	1162.5	2048.8	1987.2	2017.8	820.3	252.5	231.0
70°	88.2	88.9	88.6	105.0	785.7	1302.1	1369.5	1267.1	572.5	105.7	91.1
72.5°	63.0	63.4	62.3	70.7	379.4	746.0	772.9	764.6	299.9	62.7	62.3
75°	41.2	41.5	40.8	41.5	57.2	84.9	78.4	82.4	49.9	39.7	39.7
77.5°	24.4	24.8	24.4	25.1	24.4	24.4	22.6	22.6	21.5	21.5	21.9
80°	16.4	16.4	16.0	16.8	15.3	15.3	14.6	14.2	13.1	12.8	12.8
82.5°	9.8	10.2	9.8	9.8	9.1	9.1	8.4	8.0	6.9	6.9	6.6
85°	5.1	5.1	4.7	4.7	4.0	3.6	2.9	2.9	2.2	1.8	1.8
87.5°	0.7	0.7	0.4	0.4	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: P631609

CATALOG NUMBER: GWS-SA2B-722-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0
2.5°	873.5	866.2	855.3	844.7	834.9	824.7	813.0	801.0	790.8	780.2	774.8
5°	926.4	911.4	883.0	857.8	835.3	816.7	796.6	779.5	763.5	750.3	743.8
7.5°	974.1	950.8	907.8	868.1	837.4	811.9	784.2	758.7	737.2	721.2	715.0
10°	1018.2	990.5	934.0	883.7	848.0	819.6	785.7	751.1	722.6	701.5	696.4
12.5°	1053.9	1022.2	954.8	896.5	854.2	823.6	793.7	763.8	735.8	708.4	704.1
15°	1085.6	1048.1	970.5	904.5	852.0	813.0	787.9	784.2	784.2	753.3	744.5
17.5°	1112.9	1071.8	983.2	908.1	838.2	781.7	766.4	798.1	833.8	811.6	791.9
20°	1144.3	1094.4	993.8	908.1	812.7	742.0	740.5	794.4	847.3	847.6	826.9
22.5°	1176.0	1120.6	1006.2	904.9	777.7	696.0	723.0	779.9	826.9	846.9	832.7
25°	1227.4	1157.0	1025.8	902.3	736.9	664.7	707.3	760.5	800.3	821.4	812.3
27.5°	1292.6	1205.1	1055.7	906.3	696.4	646.1	690.6	735.4	771.5	790.1	783.5
30°	1365.5	1260.5	1087.8	913.2	667.3	636.6	670.5	706.6	738.7	757.3	754.4
32.5°	1458.4	1320.7	1115.5	903.8	650.9	631.9	649.4	675.3	706.2	717.9	720.5
35°	1569.6	1387.0	1136.6	866.6	635.9	626.8	626.4	642.5	664.3	682.9	684.7
37.5°	1672.0	1464.6	1160.0	802.8	608.9	614.1	599.5	608.9	630.4	649.0	656.3
40°	1773.3	1543.3	1192.4	721.6	573.6	585.6	568.5	575.1	592.2	616.6	628.3
42.5°	1871.7	1614.4	1226.6	638.5	538.3	545.9	533.1	539.7	557.6	588.2	601.3
45°	1978.8	1710.6	1253.2	560.1	507.6	504.4	494.2	503.6	530.6	564.1	579.8
47.5°	2181.4	1862.2	1270.7	508.0	491.2	467.6	455.9	476.3	506.9	540.8	559.8
50°	2428.9	2081.6	1265.6	474.8	477.0	429.7	425.6	452.6	485.4	520.8	541.5
52.5°	2624.9	2296.9	1207.7	443.1	449.3	405.6	393.9	433.3	464.6	500.7	522.2
55°	2774.7	2369.5	1029.9	405.6	404.1	388.1	363.7	413.3	443.9	477.4	500.7
57.5°	2652.6	2208.0	763.5	353.9	345.1	353.5	329.8	379.4	418.4	451.5	472.3
60°	2201.5	1760.5	425.3	313.4	288.6	309.0	305.4	343.6	390.7	425.6	443.5
62.5°	1494.5	1172.3	252.2	247.8	234.0	263.1	282.4	307.6	353.9	382.3	399.0
65°	744.9	569.6	167.6	185.5	187.3	216.5	252.9	280.6	319.2	348.4	365.2
67.5°	216.1	177.1	127.5	141.8	161.4	184.8	213.9	246.7	284.2	318.9	338.5
70°	93.3	94.4	101.3	118.1	137.4	161.4	190.6	222.7	254.4	281.0	295.9
72.5°	66.0	68.5	76.2	93.3	111.5	134.5	163.6	194.6	217.6	244.5	260.2
75°	42.3	44.1	50.3	63.4	76.9	99.1	126.8	155.2	178.9	198.2	213.2
77.5°	23.3	23.7	28.8	36.4	45.6	59.8	80.2	102.4	119.9	130.8	144.3
80°	13.5	13.5	16.0	20.8	26.2	35.0	46.3	57.2	67.8	74.7	81.3
82.5°	7.3	7.3	8.4	11.3	14.2	19.3	25.9	31.3	37.9	41.5	45.9
85°	2.2	2.2	2.9	4.0	5.1	7.3	10.2	13.1	16.0	18.6	21.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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: P631609

CATALOG NUMBER: GWS-SA2B-722-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0
2.5°	773.7	768.6	765.6	762.0	763.1	759.8	758.0	759.1	752.5	759.1	765.6
5°	741.2	733.9	728.1	723.4	721.2	716.8	714.3	714.3	710.3	716.8	724.8
7.5°	712.8	707.0	704.1	701.1	697.9	693.9	689.5	688.0	685.5	692.4	699.3
10°	693.9	694.6	696.4	700.4	699.7	697.1	690.6	686.9	686.9	695.0	705.5
12.5°	702.6	710.3	714.6	721.9	723.4	721.2	714.6	711.7	719.0	731.0	748.5
15°	736.5	741.6	745.2	751.1	750.7	748.9	743.8	746.0	770.0	793.3	809.0
17.5°	773.3	767.5	766.7	770.4	771.5	769.3	766.4	776.2	815.9	837.8	845.8
20°	799.9	779.9	775.5	776.9	779.9	778.8	778.8	794.8	836.0	846.2	836.0
22.5°	807.9	779.5	772.9	773.3	777.3	777.7	779.5	796.3	820.3	820.7	805.0
25°	795.2	767.8	763.1	763.8	768.6	768.2	768.9	778.4	789.0	784.6	772.9
27.5°	771.1	747.4	746.0	750.0	756.2	752.9	750.7	753.3	758.4	752.9	742.7
30°	743.8	723.7	724.5	732.1	738.7	733.2	727.8	729.2	729.6	723.7	712.1
32.5°	715.0	700.1	702.6	710.6	718.3	712.4	706.6	705.9	699.0	692.0	680.7
35°	686.2	680.4	683.7	690.2	696.8	692.0	688.4	686.2	671.3	661.1	651.6
37.5°	660.0	664.3	670.2	674.2	676.4	676.0	673.8	668.7	649.0	637.0	624.6
40°	636.6	650.1	656.3	658.1	661.4	660.7	660.3	653.0	627.2	614.4	600.2
42.5°	615.5	634.5	645.0	646.8	648.7	649.0	647.9	637.4	607.9	592.9	579.4
45°	595.1	619.9	633.4	631.5	634.1	634.1	635.2	621.3	588.9	573.6	559.4
47.5°	577.2	606.4	618.8	616.6	618.1	619.2	620.2	604.2	568.1	553.6	539.0
50°	560.8	591.8	602.4	603.1	603.1	605.7	605.3	589.6	550.6	535.0	520.4
52.5°	543.4	576.9	588.2	592.9	594.4	595.5	590.4	572.1	532.8	513.8	500.4
55°	522.9	561.6	571.8	578.0	580.9	580.2	573.2	554.6	514.6	495.6	480.3
57.5°	492.0	528.8	543.4	546.3	551.0	548.1	540.1	524.4	485.4	466.5	450.8
60°	458.1	484.7	496.3	498.9	495.2	496.3	495.2	480.3	446.4	431.5	415.4
62.5°	413.6	437.3	449.7	453.0	446.8	450.8	449.3	430.7	396.9	381.2	367.0
65°	380.1	406.0	420.5	422.4	420.5	422.4	417.3	394.7	362.6	346.6	332.0
67.5°	353.9	380.5	395.8	400.9	399.0	398.7	390.7	364.4	331.3	313.8	295.2
70°	308.7	332.0	351.7	364.1	364.1	357.1	341.8	317.4	290.8	275.9	261.3
72.5°	273.3	302.8	322.1	334.9	337.5	333.4	311.9	286.1	255.5	240.5	225.2
75°	225.2	254.0	274.8	291.5	294.8	290.4	265.7	240.2	211.7	197.2	181.8
77.5°	150.5	167.6	184.4	199.7	196.4	199.3	182.6	163.3	145.8	134.8	127.9
80°	84.9	96.2	101.3	109.7	109.7	109.7	98.8	89.6	79.8	73.6	66.7
82.5°	48.1	55.4	57.6	64.5	66.3	66.7	59.4	53.6	47.4	44.1	39.4
85°	22.2	26.2	26.6	30.6	32.1	35.0	31.7	27.7	24.1	22.6	19.7
87.5°	0.7	2.2	2.9	5.5	7.3	8.4	9.1	9.1	7.7	6.9	5.8
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: P631609

CATALOG NUMBER: GWS-SA2B-722-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0
2.5°	773.7	782.4	792.6	799.9	813.0	824.0	835.3	847.6	856.8	854.6
5°	734.7	749.3	767.8	785.0	809.4	834.2	861.5	889.6	906.0	905.2
7.5°	712.8	733.6	756.2	779.1	807.9	843.6	885.5	929.3	951.5	952.6
10°	724.5	746.7	762.0	781.3	811.6	856.4	906.7	959.2	984.7	989.8
12.5°	761.3	759.5	758.4	772.2	808.7	865.5	927.1	989.8	1018.6	1024.8
15°	796.3	758.7	736.1	745.6	795.5	871.3	947.1	1023.3	1055.7	1062.3
17.5°	802.8	746.0	704.1	710.6	774.8	873.2	966.4	1056.1	1091.1	1097.3
20°	784.6	729.6	680.7	671.6	748.5	868.4	978.5	1083.4	1121.7	1128.2
22.5°	761.6	715.0	663.2	639.6	716.5	863.7	992.0	1112.2	1156.3	1162.1
25°	737.6	696.4	646.8	610.8	680.0	860.8	1014.6	1150.1	1203.3	1210.2
27.5°	712.1	673.8	632.6	596.9	646.5	864.4	1046.6	1211.3	1271.8	1281.7
30°	684.7	651.2	623.5	592.2	623.5	867.7	1082.0	1274.0	1345.1	1358.9
32.5°	656.3	630.4	614.1	594.4	609.3	860.0	1112.9	1344.4	1432.5	1444.6
35°	627.9	609.3	602.0	598.4	590.4	832.0	1138.1	1415.4	1532.4	1543.0
37.5°	601.3	587.4	585.3	589.3	561.2	786.1	1167.2	1505.8	1630.4	1646.5
40°	576.5	563.8	563.4	562.7	529.1	723.4	1206.6	1597.6	1727.0	1734.3
42.5°	553.6	537.5	540.4	531.7	502.9	655.6	1243.8	1676.0	1817.0	1822.1
45°	533.1	512.0	515.3	504.4	490.5	584.5	1276.6	1768.5	1931.1	1934.4
47.5°	513.5	490.9	481.8	481.0	488.3	518.9	1308.6	1946.7	2109.6	2115.5
50°	495.2	470.8	445.0	461.0	474.8	469.7	1348.7	2137.7	2294.0	2292.6
52.5°	477.8	445.7	408.9	439.9	439.9	433.3	1337.4	2253.6	2446.4	2471.5
55°	457.7	405.2	371.3	404.5	388.5	400.5	1137.4	2291.5	2542.2	2577.9
57.5°	418.0	355.3	325.8	343.6	319.6	371.3	817.0	2103.4	2379.3	2442.7
60°	379.7	318.5	299.2	295.9	264.6	302.8	529.5	1646.8	1958.4	1990.5
62.5°	334.9	286.8	270.4	245.3	212.8	220.5	320.7	1083.8	1315.9	1323.2
65°	301.0	259.8	228.5	198.6	174.2	160.0	189.5	522.6	657.8	649.0
67.5°	258.4	222.7	192.8	171.3	151.2	133.4	126.1	155.2	175.7	169.8
70°	230.0	195.7	166.9	146.5	127.9	110.1	97.3	91.5	89.6	88.2
72.5°	198.2	168.4	138.5	118.8	101.3	84.9	73.2	66.3	64.5	63.0
75°	158.2	130.1	102.8	84.2	68.9	57.2	49.6	43.7	42.6	41.2
77.5°	104.6	83.5	61.2	49.9	40.8	34.6	29.5	25.9	25.1	24.4
80°	57.6	48.1	37.5	30.2	24.4	21.1	19.3	17.1	16.8	16.4
82.5°	34.3	28.8	21.5	17.1	14.2	12.8	11.7	10.6	10.2	9.8
85°	17.1	13.5	9.5	8.0	7.3	6.6	6.6	5.5	5.1	5.1
87.5°	4.4	3.6	2.2	1.8	1.8	1.8	1.5	1.1	1.1	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)