

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: P630120

Luminaire Tested: GWS-SA1D-722-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630120
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-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3476.7 lumens
Efficiency: N/A
Efficacy: 78.5 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

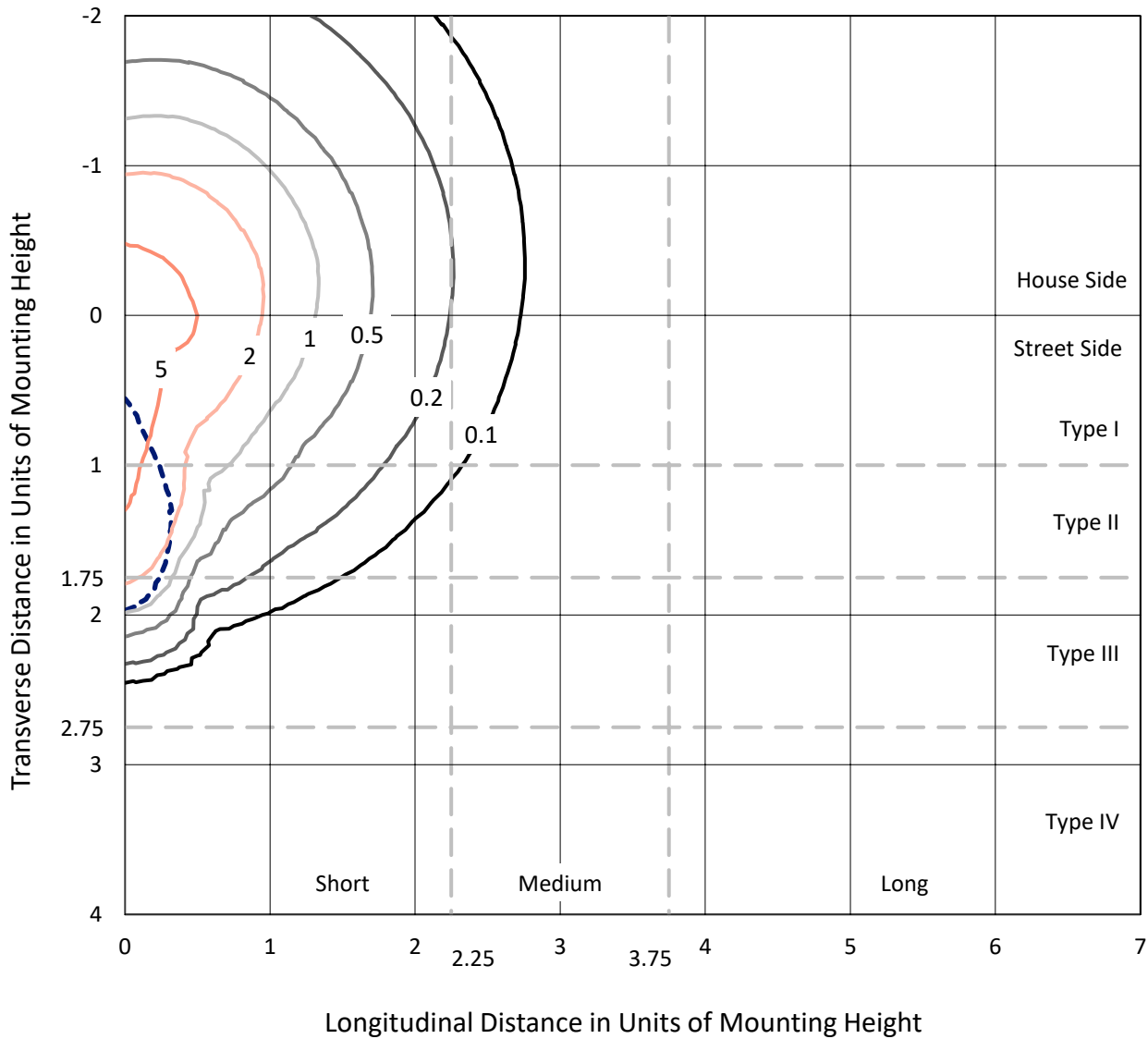
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630120
 CATALOG NUMBER: GWS-SA1D-722-U-SLL-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

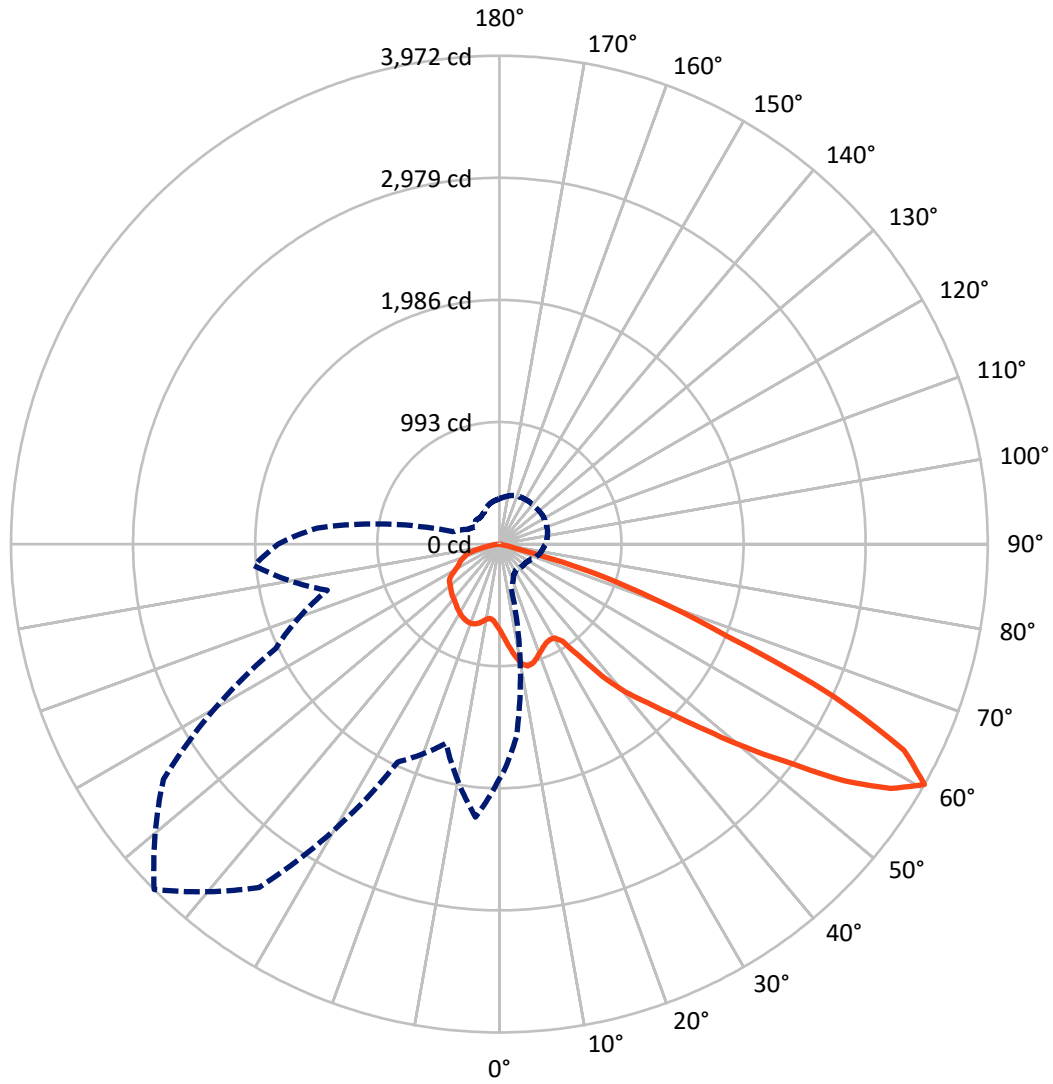
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
 Type III - Short - N/A

REPORT NUMBER: P630120
CATALOG NUMBER: GWS-SA1D-722-U-SLL-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P630120

CATALOG NUMBER: GWS-SA1D-722-U-SLL-W-GRSWH

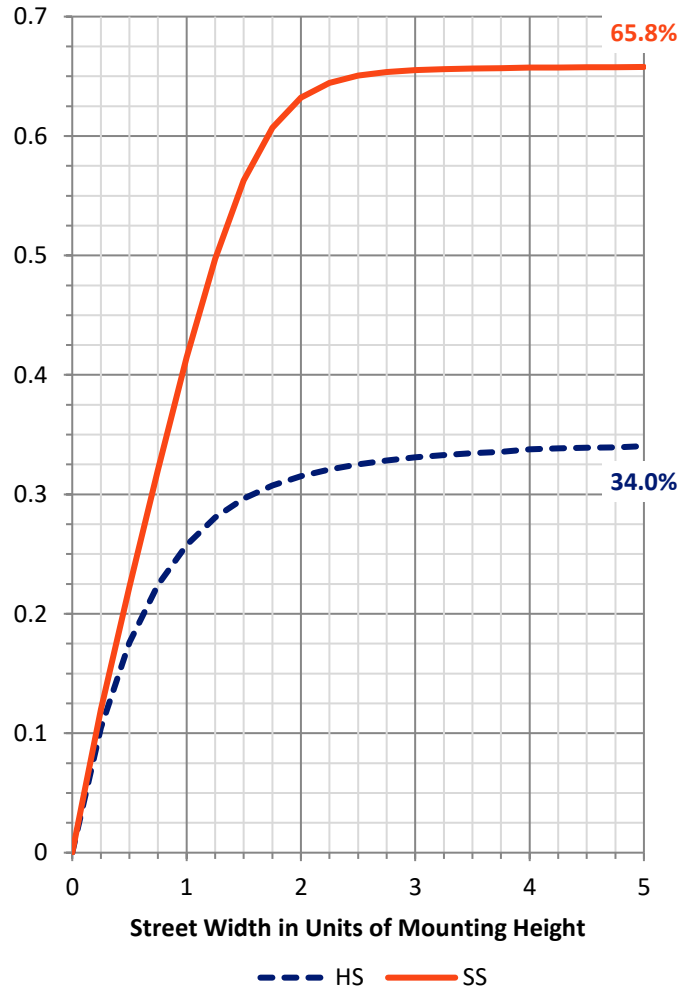
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1189.3	0.0	1189.3
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	2287.4	0.0	2287.4
	% Fixture	65.8	0.0	65.8
Total	Lumens	3476.7	0.0	3476.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.5	2.0
10°-20°	219.7	6.3
20°-30°	357.9	10.3
30°-40°	502.7	14.5
40°-50°	687.9	19.8
50°-60°	882.6	25.4
60°-70°	594.3	17.1
70°-80°	148.6	4.3
80°-90°	14.5	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°	3476.7	100.0
0°-180°	3476.7	100.0

Coefficient of Utilization



REPORT NUMBER: P630120

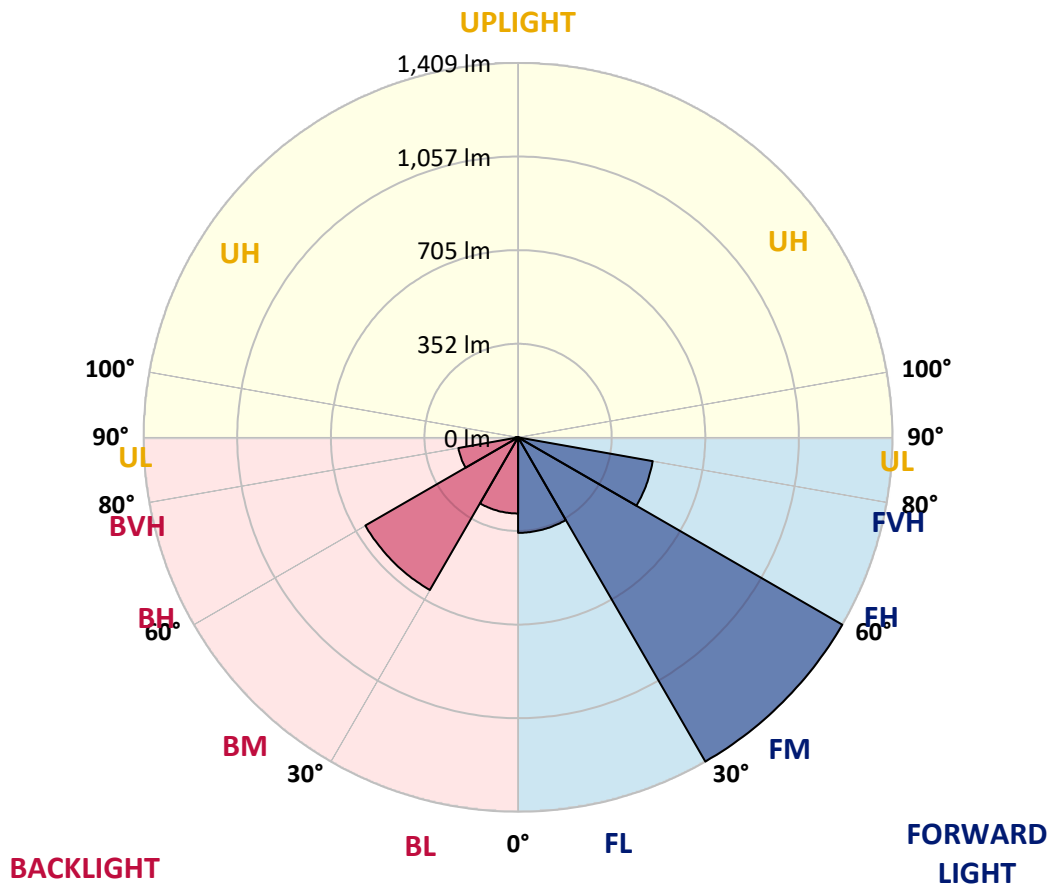
CATALOG NUMBER: GWS-SA1D-722-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	359.4	10.3			
FM (30°-60°)	1409.5	40.5			
FH (60°-80°)	514.7	14.8			G0/660
FVH (80°-90°)	3.8	0.1			G0/10
BL (0°-30°)	286.7	8.2	B1/500		
BM (30°-60°)	663.8	19.1	B1/1000		
BH (60°-80°)	228.2	6.6	B1/500		G1/500
BVH (80°-90°)	10.7	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: P630120

CATALOG NUMBER: GWS-SA1D-722-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	701.2	701.2	701.2	701.2	701.2	701.2	701.2	701.2	701.2	701.2	701.2
2.5°	741.9	740.3	738.7	726.2	723.0	714.0	707.6	699.6	688.1	681.7	676.2
5°	788.3	785.7	777.1	751.5	734.8	716.6	701.5	684.9	667.3	655.7	646.8
7.5°	832.2	831.5	816.8	774.5	747.6	721.4	700.9	676.6	651.3	634.0	622.4
10°	872.8	868.0	850.4	795.3	760.1	730.0	707.9	681.0	651.6	628.2	612.8
12.5°	908.7	902.6	878.3	814.6	771.0	733.9	709.9	687.8	668.2	648.7	631.1
15°	938.2	930.8	906.1	832.5	780.6	731.6	698.0	680.7	687.4	696.1	676.6
17.5°	965.7	958.0	927.9	845.6	783.5	717.9	668.9	661.5	695.5	734.8	725.9
20°	988.7	980.1	945.2	852.0	778.4	691.6	631.1	643.9	688.7	735.8	750.2
22.5°	1013.7	1006.7	964.7	861.3	772.0	655.4	599.4	630.8	677.2	718.5	740.3
25°	1053.7	1045.1	995.1	877.6	768.8	621.5	576.7	618.0	661.2	698.7	715.6
27.5°	1111.7	1095.7	1036.8	906.1	772.3	589.5	562.3	602.3	642.6	674.6	688.4
30°	1174.8	1155.6	1082.9	935.6	777.4	569.9	554.6	584.3	614.1	646.1	661.2
32.5°	1249.4	1232.4	1132.2	957.7	766.5	561.0	548.8	564.8	588.5	614.1	626.6
35°	1338.4	1308.0	1186.0	975.6	731.3	547.8	543.7	543.4	555.8	580.8	594.9
37.5°	1434.1	1401.5	1252.3	994.8	676.6	527.0	531.5	518.1	529.6	549.4	565.5
40°	1512.6	1478.3	1319.2	1021.1	608.0	494.4	504.6	490.2	497.3	517.7	535.7
42.5°	1589.4	1552.9	1381.6	1050.9	541.8	462.4	467.5	462.0	464.3	485.7	510.7
45°	1690.3	1649.3	1458.5	1072.0	482.2	437.1	432.3	423.0	434.8	462.7	489.2
47.5°	1858.7	1809.7	1584.3	1085.8	439.0	422.6	400.6	395.1	409.8	440.9	468.4
50°	2055.6	2013.3	1785.4	1085.1	406.6	410.5	369.8	365.0	389.3	420.7	449.9
52.5°	2217.0	2174.1	1957.3	1053.1	380.1	384.5	351.9	338.4	371.7	400.9	430.0
55°	2347.3	2299.0	2036.4	919.3	346.4	343.2	332.4	307.7	349.6	381.0	408.2
57.5°	2277.2	2219.5	1940.7	699.0	311.9	291.7	298.7	280.5	319.5	358.9	385.2
60°	1909.3	1857.4	1576.6	372.1	274.4	243.7	258.4	261.3	286.6	332.4	359.3
62.5°	1311.5	1273.7	1068.5	225.7	216.4	195.6	218.7	239.5	258.4	297.1	320.5
65°	641.7	630.5	534.4	144.7	151.4	158.2	181.2	206.5	234.4	268.3	293.0
67.5°	176.7	178.0	162.0	113.0	119.4	138.0	156.3	176.4	204.3	235.7	260.6
70°	77.8	79.1	81.6	87.1	99.3	116.2	135.1	155.9	181.5	207.8	231.8
72.5°	54.1	55.4	59.2	66.3	77.2	93.2	111.1	131.0	157.5	179.6	199.5
75°	33.3	34.3	37.8	43.9	51.2	63.4	81.0	99.3	122.6	142.8	160.4
77.5°	17.6	17.0	19.2	23.4	29.8	36.2	48.0	59.6	76.2	92.5	107.3
80°	9.6	9.3	10.6	12.8	14.7	19.9	27.9	35.5	45.1	54.4	62.4
82.5°	4.2	3.8	4.2	5.4	6.7	9.6	14.1	19.5	25.0	31.4	36.5
85°	0.0	0.0	0.0	0.3	1.6	2.6	4.8	7.0	10.2	14.1	17.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.9
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: P630120

CATALOG NUMBER: GWS-SA1D-722-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	701.2	701.2	701.2	701.2	701.2	701.2	701.2	701.2	701.2	701.2	701.2
2.5°	673.0	665.0	664.4	658.0	658.6	658.9	652.5	650.0	652.2	654.8	653.5
5°	643.6	635.3	631.7	625.6	625.0	622.1	619.6	616.4	618.6	620.8	622.1
7.5°	618.0	612.5	610.3	608.7	609.3	608.0	602.9	600.0	599.7	600.7	602.0
10°	609.6	605.2	608.0	612.5	615.7	618.0	612.5	607.7	603.2	601.3	601.3
12.5°	627.6	621.8	627.6	632.4	638.8	640.4	634.3	629.2	627.6	629.5	633.3
15°	667.3	653.8	653.5	656.4	661.5	664.1	658.3	655.7	655.7	667.9	677.5
17.5°	707.0	684.9	675.6	674.0	677.2	678.2	673.4	671.1	676.9	700.6	718.5
20°	734.8	707.9	687.8	683.9	684.9	685.2	681.4	679.8	688.1	716.9	732.0
22.5°	732.0	712.1	687.4	682.6	684.2	683.6	680.1	679.4	686.2	711.1	718.2
25°	712.1	696.7	675.9	672.7	675.3	675.0	671.4	669.8	672.7	689.4	690.0
27.5°	689.4	675.9	658.0	657.0	661.2	663.4	657.3	652.5	651.6	662.8	660.2
30°	662.2	652.2	637.8	638.5	646.1	647.4	640.1	633.0	631.1	637.2	633.7
32.5°	629.8	626.6	618.9	620.5	627.9	630.5	622.8	615.4	613.2	615.1	607.7
35°	602.3	601.0	601.6	604.5	610.9	612.8	606.4	600.7	597.5	590.7	581.1
37.5°	573.8	577.3	586.6	592.0	595.6	594.9	591.4	587.2	582.1	569.6	557.8
40°	547.2	556.2	572.8	578.9	580.2	580.5	577.9	574.4	568.0	551.4	537.9
42.5°	526.7	536.6	558.7	568.0	568.7	569.3	566.7	563.9	554.9	532.8	519.7
45°	505.3	518.4	544.3	555.5	554.9	554.6	552.3	551.0	540.5	514.9	500.5
47.5°	487.0	502.4	530.2	539.8	539.5	539.2	537.6	537.6	527.0	499.2	482.8
50°	469.1	486.7	515.8	523.8	524.5	523.8	523.2	524.1	511.7	481.9	465.9
52.5°	449.5	469.4	499.8	507.2	511.0	512.6	512.6	510.4	495.7	464.6	447.0
55°	428.1	447.0	482.2	492.1	495.3	498.2	498.2	493.7	480.0	448.6	429.7
57.5°	401.5	418.2	446.0	455.9	463.6	465.6	465.6	458.2	447.0	416.9	401.5
60°	372.7	387.1	406.0	416.6	422.3	418.5	421.4	419.4	410.5	382.6	369.8
62.5°	334.3	349.0	369.8	380.7	383.3	379.4	383.3	382.9	370.8	345.8	330.4
65°	306.7	321.1	341.6	355.7	359.9	358.9	361.5	357.7	342.6	318.9	304.2
67.5°	274.1	289.5	313.1	328.8	337.5	338.4	342.0	334.0	318.6	292.7	274.1
70°	243.0	256.2	274.4	289.1	301.3	307.4	308.0	296.5	277.3	255.8	242.4
72.5°	210.4	223.8	245.9	261.9	277.3	284.3	284.3	270.2	249.4	225.7	211.3
75°	170.7	183.1	203.3	220.6	238.2	247.2	246.9	234.7	211.6	189.2	174.2
77.5°	115.6	124.9	137.7	150.8	153.4	160.4	163.9	148.6	135.8	123.6	110.1
80°	67.2	73.0	80.0	87.4	89.0	91.3	85.5	79.7	73.0	65.0	58.9
82.5°	39.4	43.2	46.7	52.5	53.5	54.1	49.0	46.4	41.0	36.2	32.3
85°	19.2	20.5	23.7	26.6	25.3	24.7	22.4	19.9	17.6	15.7	13.8
87.5°	3.8	3.8	5.8	5.4	4.5	3.8	2.2	2.9	0.6	0.6	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: P630120

CATALOG NUMBER: GWS-SA1D-722-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	701.2	701.2	701.2	701.2	701.2	701.2	701.2	701.2	701.2	701.2	701.2
2.5°	657.7	663.1	669.8	678.8	689.0	699.9	710.5	718.5	726.5	738.4	736.4
5°	624.0	633.3	643.9	657.7	674.3	693.2	714.3	735.5	758.2	777.4	785.7
7.5°	604.5	614.8	627.2	645.2	666.6	689.7	719.5	753.7	790.5	815.8	831.5
10°	604.5	617.6	634.0	651.3	670.2	693.8	730.7	773.6	821.0	854.3	872.5
12.5°	639.4	652.5	656.1	655.4	666.0	692.2	739.6	794.4	851.1	886.3	908.7
15°	693.8	698.3	671.8	647.4	649.0	680.7	743.8	811.0	877.0	919.3	943.6
17.5°	730.4	718.5	671.1	628.5	619.6	661.2	743.8	827.0	904.5	952.2	975.0
20°	733.2	703.8	654.8	610.3	587.2	635.3	738.7	839.2	931.1	983.9	1008.3
22.5°	707.9	678.8	637.5	594.6	560.7	603.9	730.4	848.5	953.8	1013.7	1043.8
25°	679.1	654.8	619.9	578.6	542.4	572.2	722.7	864.2	985.5	1054.1	1084.5
27.5°	650.9	630.5	598.8	565.1	532.2	544.6	717.9	887.2	1023.3	1111.4	1137.6
30°	623.4	604.8	576.0	552.3	526.7	526.7	713.7	913.8	1073.3	1175.7	1202.0
32.5°	595.6	577.9	554.6	539.8	523.5	519.7	702.2	938.8	1124.8	1246.2	1273.1
35°	569.6	552.0	534.1	528.0	521.9	514.2	673.7	958.3	1175.1	1328.5	1351.5
37.5°	545.3	528.3	514.9	513.3	513.9	499.5	628.9	974.7	1237.8	1412.7	1424.8
40°	524.1	505.3	494.7	494.4	497.6	475.8	572.2	998.0	1309.6	1484.1	1479.0
42.5°	505.3	485.4	472.6	475.5	473.6	452.1	516.8	1019.5	1372.0	1551.0	1540.7
45°	486.7	467.5	449.5	453.7	451.5	437.4	469.7	1035.2	1441.2	1631.4	1632.6
47.5°	468.8	449.9	431.9	426.8	426.5	432.9	433.5	1040.3	1553.9	1760.7	1731.6
50°	452.1	433.2	414.6	397.4	404.1	423.9	406.6	1036.5	1722.6	1903.5	1822.2
52.5°	434.8	416.9	396.4	365.3	382.9	402.5	382.6	1022.7	1825.7	2029.7	1981.0
55°	415.0	398.0	370.1	332.4	353.8	358.0	358.0	889.5	1869.6	2154.6	2184.6
57.5°	388.4	366.0	321.8	291.4	310.6	294.6	331.7	622.4	1797.2	2115.2	2232.0
60°	358.3	334.3	287.5	265.8	271.5	243.3	282.7	390.3	1489.5	1799.8	2002.1
62.5°	318.6	296.5	257.8	240.8	228.9	198.5	227.7	246.9	1021.1	1336.5	1474.5
65°	292.0	267.7	233.1	210.7	186.3	159.8	151.1	162.0	549.1	748.0	841.1
67.5°	260.6	236.6	204.0	175.8	156.3	137.0	122.0	118.1	188.3	249.1	269.6
70°	230.9	207.8	180.6	154.3	134.8	115.9	101.2	90.6	87.1	86.5	85.2
72.5°	200.4	179.0	156.3	131.9	110.5	93.2	80.0	67.9	62.8	61.2	59.6
75°	164.3	147.3	124.6	98.3	81.0	65.0	54.8	46.7	42.3	40.7	38.7
77.5°	105.7	98.0	78.1	63.4	49.0	38.7	33.3	28.2	25.3	24.7	23.1
80°	56.4	52.5	43.2	36.5	29.1	23.7	20.8	17.9	16.3	15.7	15.0
82.5°	31.4	28.5	24.0	21.1	17.0	14.4	12.8	11.5	10.6	10.2	9.9
85°	14.1	12.2	9.6	9.0	8.0	7.4	7.0	6.4	6.1	5.8	5.4
87.5°	0.6	1.3	1.6	1.3	1.3	1.9	2.2	2.2	1.9	1.9	1.6
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: P630120

CATALOG NUMBER: GWS-SA1D-722-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	701.2	701.2	701.2	701.2	701.2	701.2	701.2	701.2	701.2	701.2
2.5°	748.3	757.9	758.8	762.0	757.9	756.9	750.2	746.4	742.8	741.9
5°	806.6	825.8	833.5	838.9	833.8	831.2	816.5	801.1	792.5	788.3
7.5°	866.4	895.2	910.3	917.0	917.7	906.1	880.8	852.0	837.6	832.2
10°	919.9	955.4	975.3	988.1	983.6	969.5	935.0	895.9	877.6	872.8
12.5°	959.6	993.5	1008.9	1017.2	1016.9	1009.2	976.6	934.3	913.5	908.7
15°	985.2	1005.4	1006.4	1008.3	1013.7	1024.0	1007.0	967.9	944.9	938.2
17.5°	1005.4	997.4	982.3	977.2	989.4	1017.9	1028.1	996.4	971.5	965.7
20°	1018.2	977.9	951.3	941.4	955.4	1001.9	1040.9	1022.0	996.1	988.7
22.5°	1028.1	959.6	916.7	910.0	924.7	984.6	1054.1	1052.5	1024.0	1013.7
25°	1043.8	947.4	892.4	887.6	901.3	976.3	1071.7	1093.8	1068.5	1053.7
27.5°	1068.5	946.2	879.9	878.3	897.2	983.6	1097.0	1154.3	1122.6	1111.7
30°	1102.7	958.3	882.8	886.0	909.0	1010.2	1136.3	1223.4	1191.7	1174.8
32.5°	1152.0	991.0	926.6	940.4	957.4	1052.8	1194.0	1298.4	1274.4	1249.4
35°	1217.0	1080.6	1056.3	1114.9	1098.9	1146.0	1263.5	1389.3	1360.2	1338.4
37.5°	1303.8	1264.4	1286.8	1367.5	1328.8	1322.1	1348.3	1471.9	1455.9	1434.1
40°	1425.5	1433.5	1474.8	1580.8	1524.7	1481.5	1452.4	1534.0	1539.5	1512.6
42.5°	1506.2	1543.0	1642.6	1763.0	1685.8	1582.4	1539.5	1613.4	1613.8	1589.4
45°	1536.3	1632.6	1840.8	1979.4	1850.4	1640.0	1587.5	1721.3	1718.1	1690.3
47.5°	1525.4	1708.2	2046.6	2258.6	2061.7	1681.0	1580.8	1875.0	1901.0	1858.7
50°	1502.6	1784.1	2287.1	2600.6	2321.0	1724.5	1570.5	2045.4	2088.3	2055.6
52.5°	1525.7	1868.6	2571.4	2954.1	2646.4	1794.0	1639.7	2264.1	2256.4	2217.0
55°	1598.7	1968.5	2916.9	3398.2	3003.7	1911.5	1817.4	2472.5	2394.4	2347.3
57.5°	1595.2	2039.9	3219.8	3749.4	3314.6	2007.9	1879.2	2494.6	2336.7	2277.2
60°	1447.9	2007.3	3335.1	3971.6	3408.4	1954.8	1675.9	2228.2	1971.7	1909.3
62.5°	1080.6	1781.2	3111.6	3693.4	3143.0	1688.4	1260.3	1599.3	1416.8	1311.5
65°	691.3	1393.5	2615.9	2992.2	2590.6	1291.3	750.5	857.5	671.8	641.7
67.5°	294.3	983.6	2033.5	1999.9	1938.1	836.7	289.8	241.4	179.9	176.7
70°	97.3	669.2	1253.5	1333.9	1157.5	576.3	95.7	81.0	80.7	77.8
72.5°	63.7	359.3	705.7	785.7	744.8	331.7	58.0	54.1	55.4	54.1
75°	38.1	78.1	118.8	154.3	118.8	55.7	34.9	34.3	34.9	33.3
77.5°	22.4	21.8	21.1	21.1	20.8	19.2	17.6	17.0	17.3	17.6
80°	14.4	13.8	13.1	12.8	11.2	10.6	9.9	9.3	9.3	9.6
82.5°	9.3	8.6	8.0	7.0	5.8	4.8	4.5	3.8	3.8	4.2
85°	4.8	3.8	2.9	2.2	1.3	0.6	0.0	0.0	0.0	0.0
87.5°	1.0	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)