

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: P630397

Luminaire Tested: GWS-SA1D-750-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630397
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-750-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5813.4 lumens
Efficiency: N/A
Efficacy: 131.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

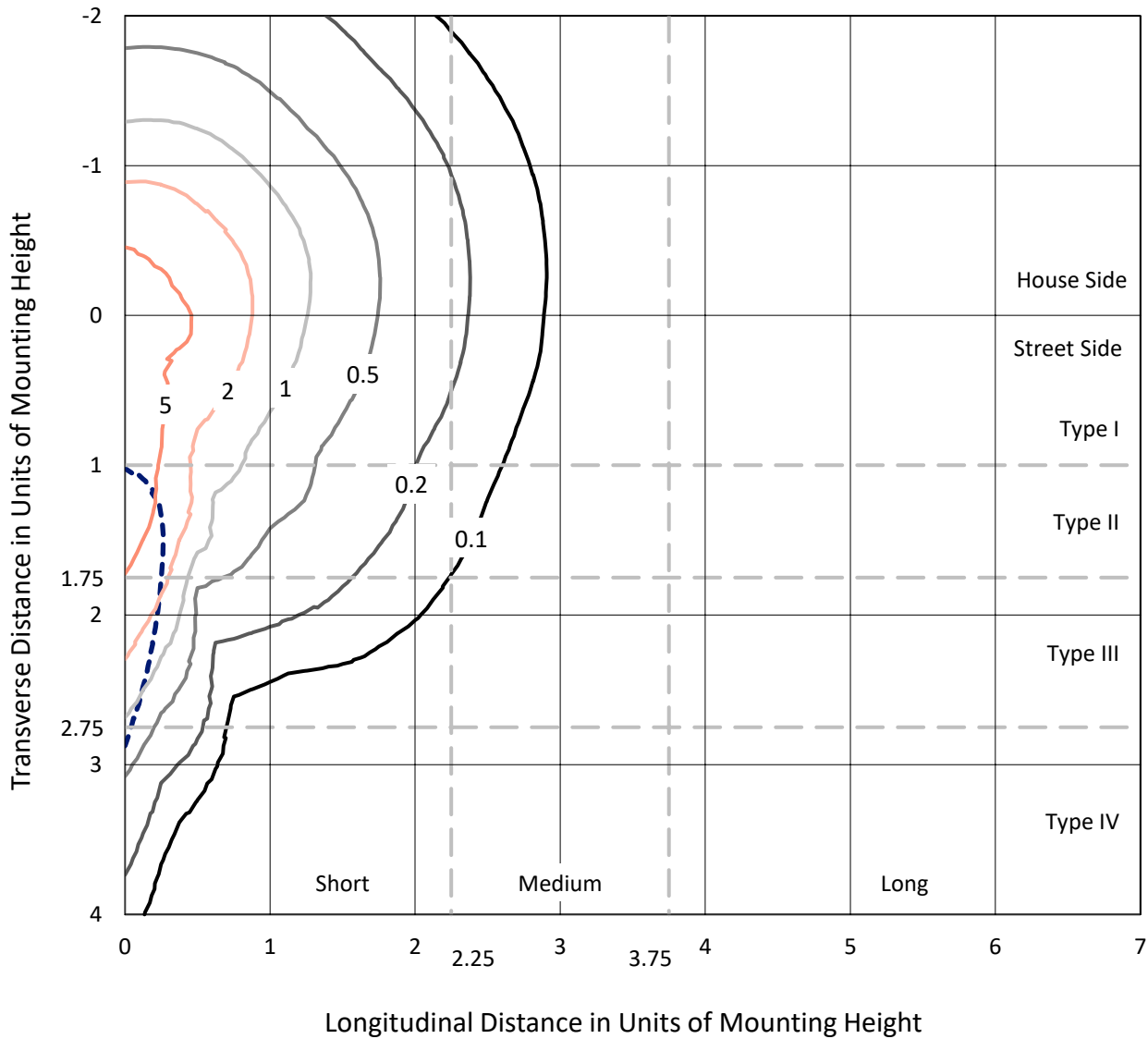
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630397
 CATALOG NUMBER: GWS-SA1D-750-U-SLL-W

Iso-Footcandle Lines of Horizontal Illumination

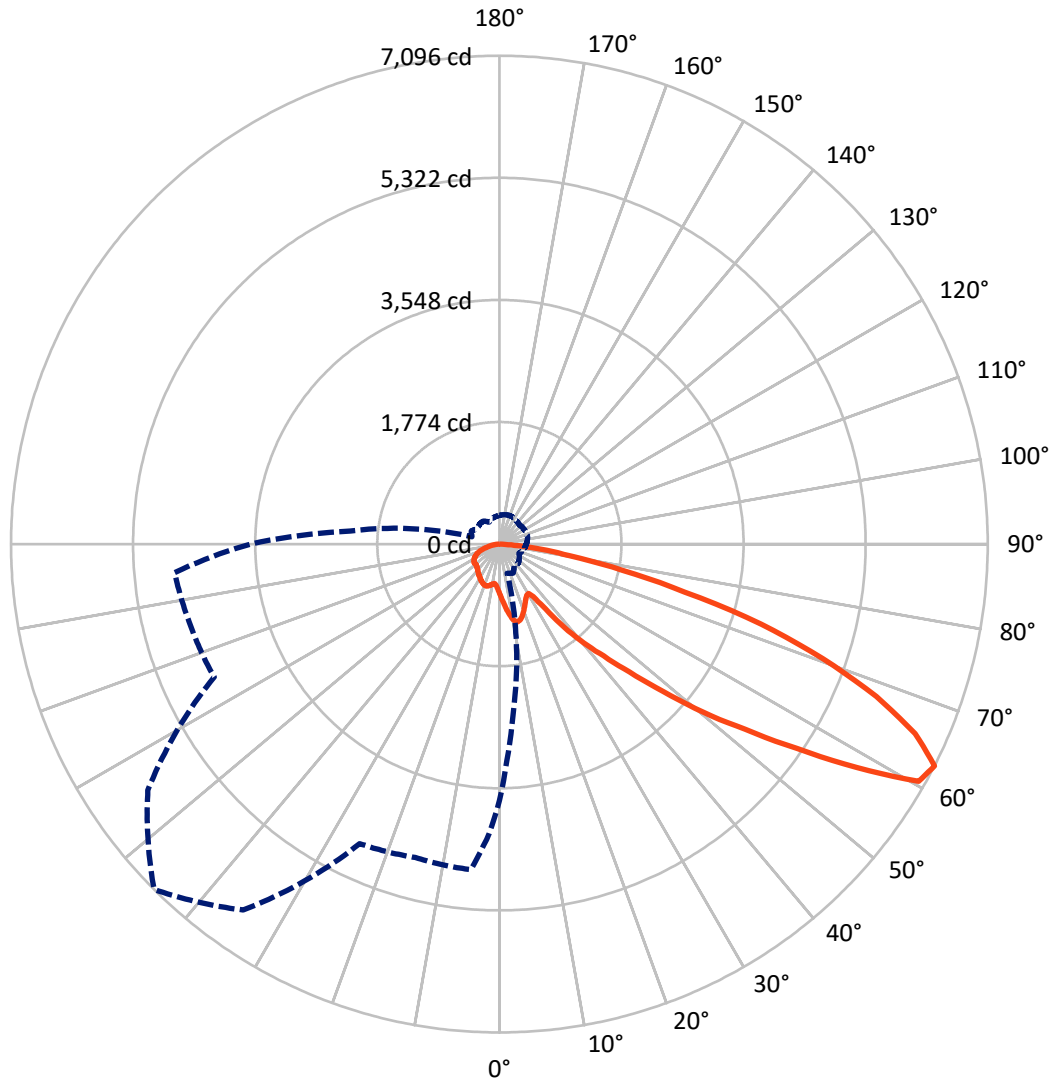
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.7 fc
 Type III - Short - N/A

REPORT NUMBER: P630397
CATALOG NUMBER: GWS-SA1D-750-U-SLL-W

Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P630397

CATALOG NUMBER: GWS-SA1D-750-U-SLL-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1390.0	0.0	1390.0
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4423.4	0.0	4423.4
	% Fixture	76.1	0.0	76.1
Total	Lumens	5813.4	0.0	5813.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.4	1.2
10°-20°	232.1	4.0
20°-30°	365.3	6.3
30°-40°	500.7	8.6
40°-50°	781.3	13.4
50°-60°	1347.1	23.2
60°-70°	1561.2	26.9
70°-80°	824.1	14.2
80°-90°	130.2	2.2
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°	5813.4	100.0
0°-180°	5813.4	100.0

Coefficient of Utilization



REPORT NUMBER: P630397

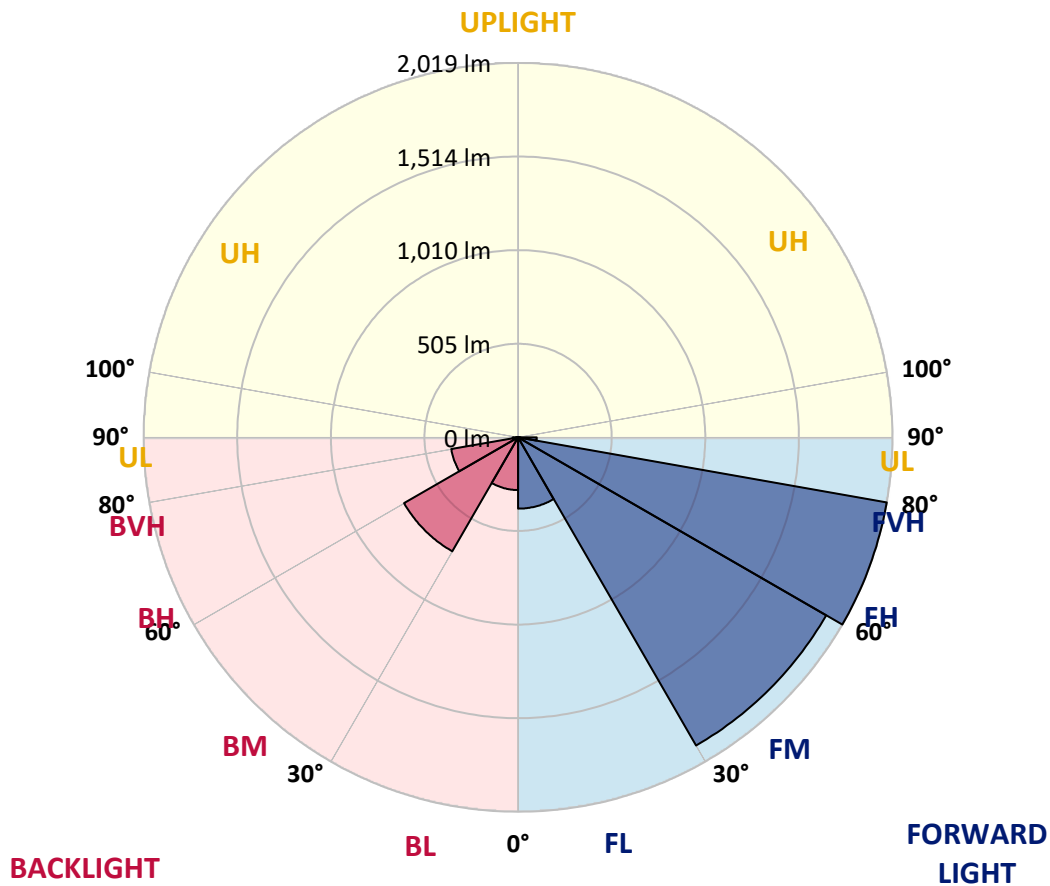
CATALOG NUMBER: GWS-SA1D-750-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	384.5	6.6			
FM (30°-60°)	1919.2	33.0			
FH (60°-80°)	2019.2	34.7			G2/5000
FVH (80°-90°)	100.5	1.7			G2/225
BL (0°-30°)	284.3	4.9	B1/500		
BM (30°-60°)	710.0	12.2	B1/1000		
BH (60°-80°)	366.0	6.3	B1/500		G1/500
BVH (80°-90°)	29.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





REPORT NUMBER: P630397
 CATALOG NUMBER: GWS-SA1D-750-U-SLL-W

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	724.8	724.8	724.8	724.8	724.8	724.8	724.8	724.8	724.8	724.8	724.8
2.5°	787.5	784.4	779.9	764.8	755.5	744.8	733.7	720.8	706.1	695.9	685.7
5°	854.2	849.3	838.6	802.6	777.7	750.6	727.9	702.1	676.8	659.4	642.1
7.5°	918.2	912.0	895.6	840.4	800.0	760.8	726.6	689.2	651.4	625.6	605.2
10°	982.3	969.4	948.5	876.4	823.1	777.7	738.6	692.8	642.5	607.4	585.6
12.5°	1031.2	1019.2	996.5	909.3	846.2	789.3	745.3	703.0	660.3	623.0	600.7
15°	1077.0	1061.4	1035.6	940.0	865.3	788.8	731.9	695.0	688.8	679.5	650.6
17.5°	1109.9	1095.7	1069.0	964.9	876.0	775.1	695.0	673.2	701.2	729.7	702.1
20°	1138.8	1122.3	1095.2	982.3	878.2	744.4	650.1	650.6	694.6	733.7	727.0
22.5°	1163.3	1145.0	1121.0	1001.8	877.3	701.7	611.0	637.7	681.7	712.4	713.2
25°	1193.5	1178.4	1158.4	1030.7	877.3	658.1	582.5	622.1	659.9	685.7	684.8
27.5°	1230.4	1220.2	1203.7	1074.8	885.3	621.6	566.5	602.1	631.9	654.1	653.7
30°	1271.8	1262.4	1250.0	1121.5	899.1	594.5	557.6	577.2	599.0	616.8	616.8
32.5°	1314.0	1310.4	1297.1	1158.8	888.4	586.1	550.1	552.3	563.8	578.5	577.2
35°	1372.7	1369.1	1352.2	1187.7	842.2	574.1	538.0	526.9	528.3	537.6	540.7
37.5°	1458.5	1453.2	1428.3	1221.5	772.4	543.8	518.5	500.3	496.3	500.3	506.0
40°	1562.1	1554.1	1520.3	1267.3	691.9	502.9	487.8	472.7	466.0	467.3	474.0
42.5°	1692.0	1675.1	1626.6	1315.8	612.3	466.9	453.6	444.2	436.7	435.8	448.7
45°	1902.7	1856.5	1779.6	1358.9	545.2	447.8	422.9	416.2	410.0	413.5	428.7
47.5°	2270.9	2185.5	2035.7	1395.8	504.3	448.2	398.4	391.3	390.9	398.0	414.9
50°	2777.0	2653.8	2422.6	1420.7	482.9	453.6	383.7	372.2	380.6	387.8	403.8
52.5°	3261.6	3073.6	2798.3	1420.3	473.6	454.5	387.8	354.4	380.6	382.4	397.5
55°	3675.6	3335.0	2899.7	1274.4	460.2	450.9	403.3	340.6	375.7	382.4	394.4
57.5°	4004.7	3501.3	2892.1	1029.4	500.7	431.3	412.7	337.5	361.5	383.3	397.1
60°	3968.2	3425.3	2705.8	631.9	496.7	396.6	411.3	343.3	337.5	371.3	394.0
62.5°	3725.9	3152.7	2385.2	438.4	466.5	376.6	389.5	353.5	315.3	354.0	378.9
65°	3386.6	2801.0	1987.7	336.2	386.4	377.5	352.6	346.4	295.7	326.4	353.1
67.5°	2937.9	2364.8	1569.2	266.4	269.5	326.8	320.2	307.7	277.5	301.9	325.9
70°	2208.7	1725.8	1079.7	214.3	204.1	273.0	287.7	276.6	259.7	266.8	292.1
72.5°	1556.3	1126.8	591.4	169.9	157.4	209.9	249.9	248.1	229.4	234.8	259.7
75°	1156.6	797.3	369.5	134.3	128.1	150.3	209.4	214.8	199.2	205.4	224.6
77.5°	769.7	516.3	205.4	99.6	99.6	109.8	156.1	181.0	169.4	174.3	187.7
80°	424.7	262.8	102.7	65.4	67.1	75.6	113.8	130.3	130.7	142.7	146.3
82.5°	134.3	83.6	45.8	38.2	36.0	43.1	73.4	93.4	87.2	111.2	102.3
85°	30.7	19.6	8.4	8.4	9.3	14.2	28.0	49.8	63.6	76.5	55.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	19.6	28.9	25.8
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: P630397
 CATALOG NUMBER: GWS-SA1D-750-U-SLL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	724.8	724.8	724.8	724.8	724.8	724.8	724.8	724.8	724.8	724.8	724.8
2.5°	679.5	670.6	667.9	660.3	659.4	652.3	649.7	649.7	652.8	652.8	655.9
5°	635.0	623.9	617.6	608.8	606.5	601.2	597.6	598.1	602.1	604.7	610.1
7.5°	595.9	588.3	583.9	579.8	579.0	578.1	574.1	573.6	575.0	579.0	583.0
10°	579.4	574.1	575.4	578.5	583.4	586.1	582.5	580.7	579.4	582.1	585.6
12.5°	595.4	590.1	592.7	598.1	604.7	607.4	606.1	605.6	607.0	617.2	624.8
15°	630.5	620.3	616.8	619.0	624.3	627.0	625.6	627.4	635.9	662.6	681.7
17.5°	674.1	649.2	635.0	631.0	633.2	635.4	635.4	639.9	654.6	693.7	717.7
20°	697.7	665.2	641.2	631.4	632.3	634.5	634.5	640.8	657.2	699.0	714.6
22.5°	691.5	661.7	632.3	621.6	622.1	623.9	623.9	629.2	643.9	680.8	687.9
25°	667.0	640.8	611.9	602.5	603.4	606.5	605.6	608.8	619.9	650.1	654.1
27.5°	637.7	614.5	586.1	579.0	583.0	589.2	583.9	584.3	594.5	619.9	620.3
30°	606.1	587.0	561.6	556.3	563.8	567.0	562.1	562.1	572.3	589.6	589.2
32.5°	571.8	559.8	541.6	535.8	544.3	549.2	542.9	543.8	551.8	563.4	558.9
35°	539.8	533.6	525.2	521.2	526.5	530.9	526.9	528.7	536.3	539.4	533.2
37.5°	509.1	508.3	509.1	509.1	510.5	511.8	509.1	513.6	520.3	516.3	509.1
40°	482.5	486.0	494.5	492.2	490.9	492.2	490.5	498.0	504.7	497.6	489.1
42.5°	460.2	466.9	479.8	479.8	477.1	478.0	477.1	486.5	491.4	481.6	472.2
45°	441.1	450.9	467.3	469.6	465.1	465.1	466.9	478.5	480.2	466.9	457.1
47.5°	427.8	439.8	458.5	462.5	455.8	455.3	460.2	472.7	472.7	457.1	446.0
50°	418.4	431.8	454.0	459.3	452.7	450.9	458.9	470.9	468.2	449.6	438.4
52.5°	412.2	426.0	453.6	461.1	456.7	454.9	462.9	471.3	464.7	444.7	433.1
55°	408.2	423.3	454.9	461.1	456.2	453.1	461.1	468.7	465.1	442.0	430.9
57.5°	410.4	425.5	453.1	456.2	450.4	445.1	454.5	465.1	463.8	442.9	431.8
60°	406.9	420.7	443.3	444.2	434.4	426.0	439.8	455.8	455.8	439.8	430.0
62.5°	390.4	404.2	424.2	425.1	414.0	404.6	420.7	439.8	439.3	426.4	416.2
65°	363.3	376.2	398.9	401.1	390.0	380.2	396.6	414.4	415.8	404.2	395.3
67.5°	333.5	345.1	362.0	370.9	361.5	351.3	366.4	383.3	382.9	369.1	359.7
70°	297.9	308.6	324.2	331.7	325.9	316.2	329.9	338.8	334.8	328.2	321.9
72.5°	262.8	273.0	287.7	287.7	281.5	272.1	276.1	292.1	297.0	292.1	288.1
75°	225.9	234.8	245.0	247.2	233.5	216.6	235.2	249.0	254.8	252.6	247.7
77.5°	188.1	194.8	209.9	205.9	180.1	171.2	186.3	206.8	210.8	209.4	202.8
80°	145.0	149.0	165.0	157.0	137.0	131.2	137.8	153.9	154.7	150.3	141.8
82.5°	97.4	102.7	113.4	97.8	97.4	92.0	86.7	88.5	96.5	95.6	89.8
85°	49.8	52.5	62.7	58.7	50.2	43.6	41.4	44.0	39.6	36.0	31.1
87.5°	20.9	22.7	31.1	17.3	5.3	0.0	0.0	2.7	4.0	5.8	6.2
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: P630397
 CATALOG NUMBER: GWS-SA1D-750-U-SLL-W

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	724.8	724.8	724.8	724.8	724.8	724.8	724.8	724.8	724.8	724.8	724.8
2.5°	663.0	667.9	679.9	695.0	709.7	724.8	741.3	751.5	763.9	779.9	780.4
5°	616.8	627.9	645.2	668.3	692.3	719.9	751.9	778.6	810.6	836.0	846.2
7.5°	588.3	604.3	626.1	655.4	687.0	721.3	763.1	808.0	860.4	894.2	914.2
10°	591.0	615.4	637.2	662.1	690.6	727.5	781.3	840.9	905.3	949.8	974.7
12.5°	638.5	664.3	660.3	659.0	678.1	723.0	796.0	874.2	952.9	997.4	1027.2
15°	698.6	708.4	670.6	642.1	653.7	707.0	804.0	904.0	992.5	1046.8	1076.1
17.5°	729.3	709.7	663.9	621.2	618.1	682.6	808.0	934.2	1037.0	1091.2	1122.3
20°	715.0	686.6	647.9	607.4	585.2	649.2	805.7	958.3	1077.4	1137.9	1163.3
22.5°	684.3	659.4	629.2	590.5	558.5	612.8	800.0	982.3	1113.5	1174.4	1196.6
25°	651.0	632.3	607.4	573.6	543.4	580.7	796.0	1014.3	1154.8	1213.1	1227.3
27.5°	617.6	603.9	583.4	557.2	539.8	558.5	797.3	1056.1	1208.2	1263.3	1257.5
30°	584.7	572.7	558.5	546.9	539.4	553.2	793.7	1100.6	1266.9	1318.0	1283.8
32.5°	553.6	542.5	533.6	535.4	539.8	555.4	775.5	1141.0	1320.7	1364.2	1312.2
35°	526.9	515.4	515.4	521.6	538.0	547.8	728.4	1172.6	1380.3	1423.8	1352.7
37.5°	502.0	491.8	498.5	508.7	524.3	527.4	667.9	1203.3	1467.0	1507.9	1415.4
40°	480.2	470.0	482.0	494.9	502.9	501.6	606.5	1246.0	1569.2	1611.5	1498.5
42.5°	462.9	453.6	464.2	480.7	482.0	483.4	561.6	1286.9	1688.0	1741.8	1641.7
45°	448.7	442.0	447.3	463.8	463.8	484.2	533.6	1321.1	1866.7	1961.9	1904.5
47.5°	437.6	433.6	436.2	441.6	450.4	500.3	515.8	1347.3	2192.2	2379.0	2321.2
50°	431.3	427.3	430.9	419.8	446.4	508.3	510.0	1367.4	2621.3	2913.9	2842.3
52.5°	426.0	424.7	426.9	401.1	455.3	502.9	505.6	1340.7	2909.0	3440.4	3511.1
55°	424.2	425.1	414.4	387.3	466.0	485.1	492.2	1149.9	2987.3	3894.4	4333.3
57.5°	425.1	422.4	395.3	388.6	466.5	449.6	511.4	820.4	2873.5	4091.8	5137.7
60°	422.0	408.7	372.2	400.6	446.0	407.8	497.6	534.9	2573.3	3940.2	5184.4
62.5°	408.2	388.6	352.2	407.3	409.5	382.9	451.8	412.2	2173.1	3615.6	4734.4
65°	388.2	362.0	335.3	393.5	372.6	371.3	339.7	330.4	1747.5	3229.2	4307.5
67.5°	355.3	329.1	322.8	362.0	335.3	329.1	273.0	273.9	1394.5	2817.4	3878.4
70°	317.9	291.7	296.6	327.3	298.4	273.5	221.0	228.1	1057.9	2347.4	3299.9
72.5°	293.5	258.4	258.8	288.1	262.4	221.4	181.9	188.1	671.5	1769.3	2623.5
75°	247.7	227.7	217.9	233.5	222.8	172.5	153.0	151.6	398.0	1268.2	1964.5
77.5°	206.8	191.2	186.3	192.5	166.3	127.6	123.2	120.9	225.4	812.4	1287.3
80°	149.9	145.9	145.4	148.5	128.1	93.8	93.8	94.3	121.4	441.1	725.7
82.5°	95.2	104.1	92.0	102.3	87.2	66.7	62.3	70.7	69.8	188.1	305.9
85°	39.6	54.2	50.7	53.8	41.4	36.5	39.1	42.2	40.5	72.5	119.2
87.5°	7.6	8.9	9.8	9.3	9.3	11.6	12.9	15.6	15.6	20.9	36.0
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: P630397
 CATALOG NUMBER: GWS-SA1D-750-U-SLL-W

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	724.8	724.8	724.8	724.8	724.8	724.8	724.8	724.8	724.8	724.8
2.5°	797.3	810.2	807.5	813.3	805.7	808.4	793.3	789.3	786.6	787.5
5°	879.1	905.3	910.2	920.0	913.4	913.4	886.7	866.7	859.5	854.2
7.5°	962.3	1000.1	1025.0	1027.6	1024.1	1017.0	978.3	942.3	929.4	918.2
10°	1036.1	1081.4	1109.4	1122.8	1116.1	1105.0	1057.0	1007.6	992.1	982.3
12.5°	1092.6	1132.6	1151.2	1160.1	1159.3	1155.3	1116.1	1062.8	1046.3	1031.2
15°	1129.0	1149.0	1141.9	1141.5	1147.7	1163.7	1151.7	1109.9	1090.8	1077.0
17.5°	1152.6	1133.5	1101.9	1087.2	1100.6	1138.4	1165.9	1142.4	1125.0	1109.9
20°	1161.0	1093.0	1047.2	1020.1	1035.6	1090.3	1158.4	1165.9	1151.2	1138.8
22.5°	1151.2	1043.6	981.4	949.4	964.5	1029.9	1136.1	1185.0	1175.3	1163.3
25°	1127.2	992.1	917.4	888.4	904.9	971.6	1096.6	1202.8	1203.3	1193.5
27.5°	1097.4	944.5	872.4	845.3	861.3	923.6	1057.9	1218.4	1234.0	1230.4
30°	1067.2	916.0	851.1	832.0	844.0	899.1	1018.3	1234.4	1265.5	1271.8
32.5°	1053.4	929.8	901.3	909.8	894.2	913.4	1004.1	1257.1	1303.8	1314.0
35°	1071.7	1052.1	1124.1	1157.5	1102.3	1029.9	1022.3	1291.3	1357.6	1372.7
37.5°	1160.1	1314.0	1421.6	1539.0	1443.4	1283.8	1112.6	1349.6	1434.5	1458.5
40°	1352.7	1542.6	1736.9	1888.5	1744.0	1529.2	1284.2	1436.3	1540.3	1562.1
42.5°	1534.1	1756.9	2024.6	2220.7	2033.0	1729.8	1469.2	1582.1	1680.0	1692.0
45°	1712.0	1967.2	2372.8	2645.3	2390.5	1920.5	1658.2	1828.5	1902.3	1902.7
47.5°	1920.5	2204.2	2809.4	3197.6	2865.0	2131.7	1835.6	2218.5	2321.2	2270.9
50°	2170.0	2439.9	3259.0	3840.2	3443.5	2391.4	2061.0	2693.8	2833.9	2777.0
52.5°	2503.9	2699.6	3754.3	4466.7	4074.1	2687.1	2387.9	3321.7	3367.9	3261.6
55°	2973.9	3074.4	4390.2	5240.4	4778.0	3051.3	2865.9	4109.6	3980.2	3675.6
57.5°	4044.3	3667.6	5206.6	6123.1	5574.4	3713.0	3913.5	4978.5	4518.3	4004.7
60°	4939.8	4388.0	5962.1	6999.1	6256.9	4442.2	4897.1	5129.7	4498.3	3968.2
62.5°	4637.9	4571.6	6234.7	7095.6	6489.9	4801.1	4714.4	4748.6	4204.8	3725.9
65°	4069.2	4217.2	5991.5	6638.0	6231.6	4479.6	4264.4	4396.4	3869.1	3386.6
67.5°	3733.4	3842.4	5558.8	5905.7	5762.0	4131.9	3914.4	3818.8	3347.9	2937.9
70°	3390.2	3480.4	4951.4	4986.5	5029.7	3553.8	3200.7	2916.1	2495.5	2208.7
72.5°	2929.5	2934.4	4183.4	3979.8	4061.6	2781.0	2576.4	2180.2	1816.5	1556.3
75°	2457.7	2323.4	3311.5	2781.8	2945.9	2163.3	2139.3	1643.1	1370.0	1156.6
77.5°	1873.8	1716.9	2419.0	1829.4	2069.0	1440.7	1608.4	1114.3	964.0	769.7
80°	1258.0	1160.1	1336.7	1032.5	1353.6	992.9	1049.0	631.4	547.4	424.7
82.5°	663.4	566.5	826.2	612.3	816.4	545.6	393.5	195.2	166.3	134.3
85°	257.0	297.5	405.1	217.9	316.6	194.8	113.8	48.5	40.5	30.7
87.5°	49.8	76.9	42.2	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)