

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: P630395

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630395
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4828.1 lumens
Efficiency: N/A
Efficacy: 109.0 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

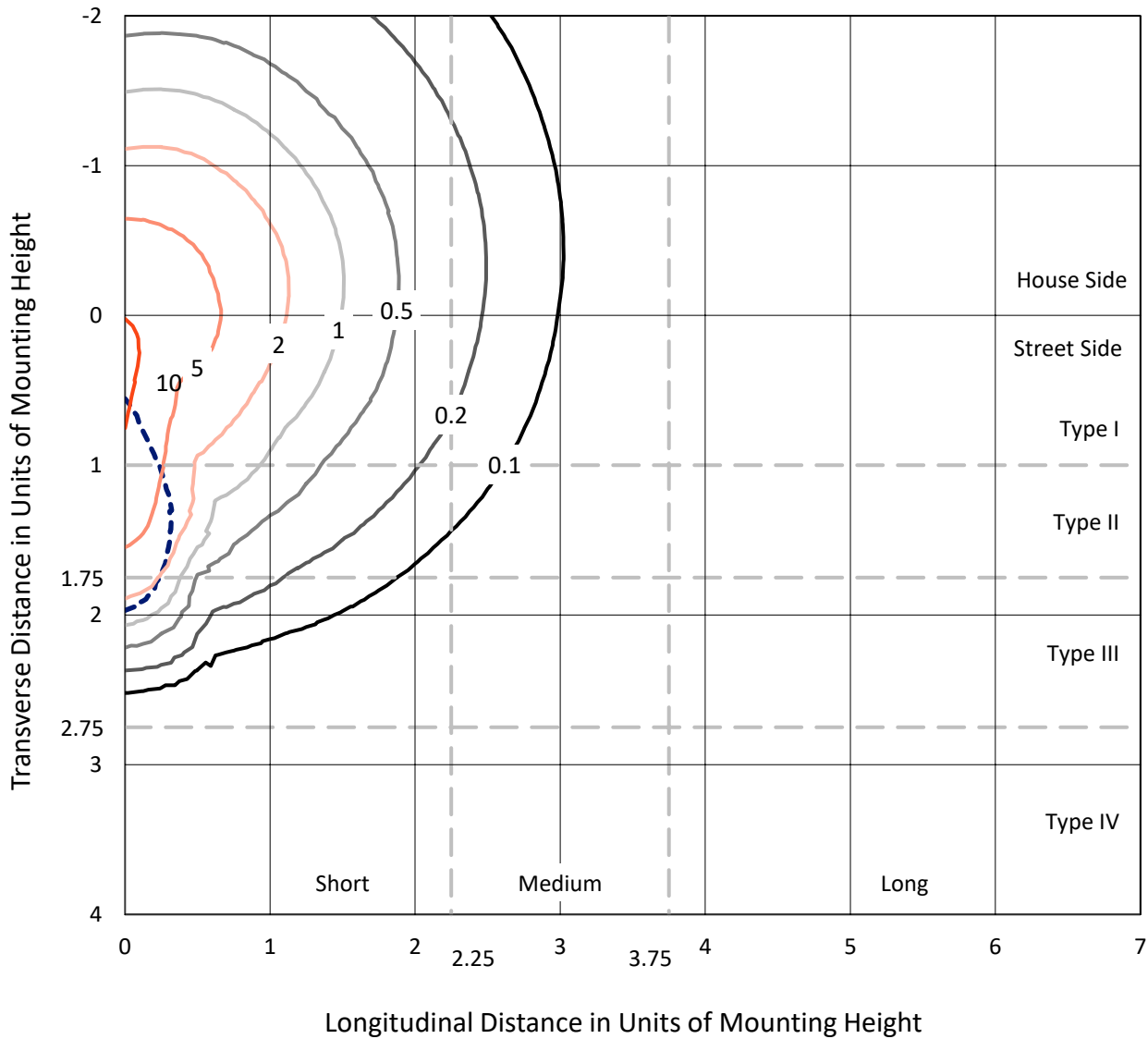
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

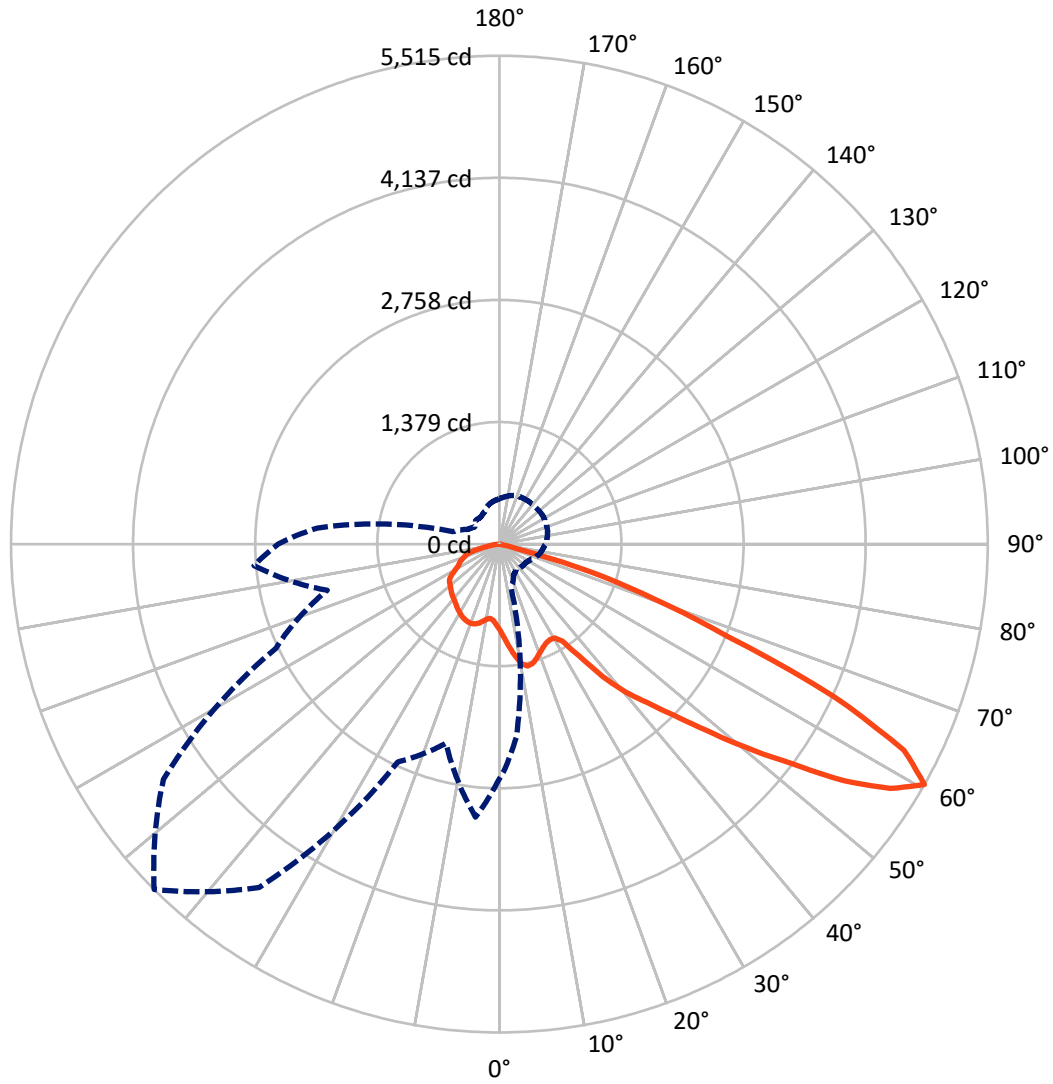
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1651.7	0.0	1651.7
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	3176.5	0.0	3176.5
	% Fixture	65.8	0.0	65.8
Total	Lumens	4828.1	0.0	4828.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.1	2.0
10°-20°	305.2	6.3
20°-30°	497.0	10.3
30°-40°	698.1	14.5
40°-50°	955.3	19.8
50°-60°	1225.6	25.4
60°-70°	825.3	17.1
70°-80°	206.3	4.3
80°-90°	20.1	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°	4828.1	100.0
0°-180°	4828.1	100.0

Coefficient of Utilization



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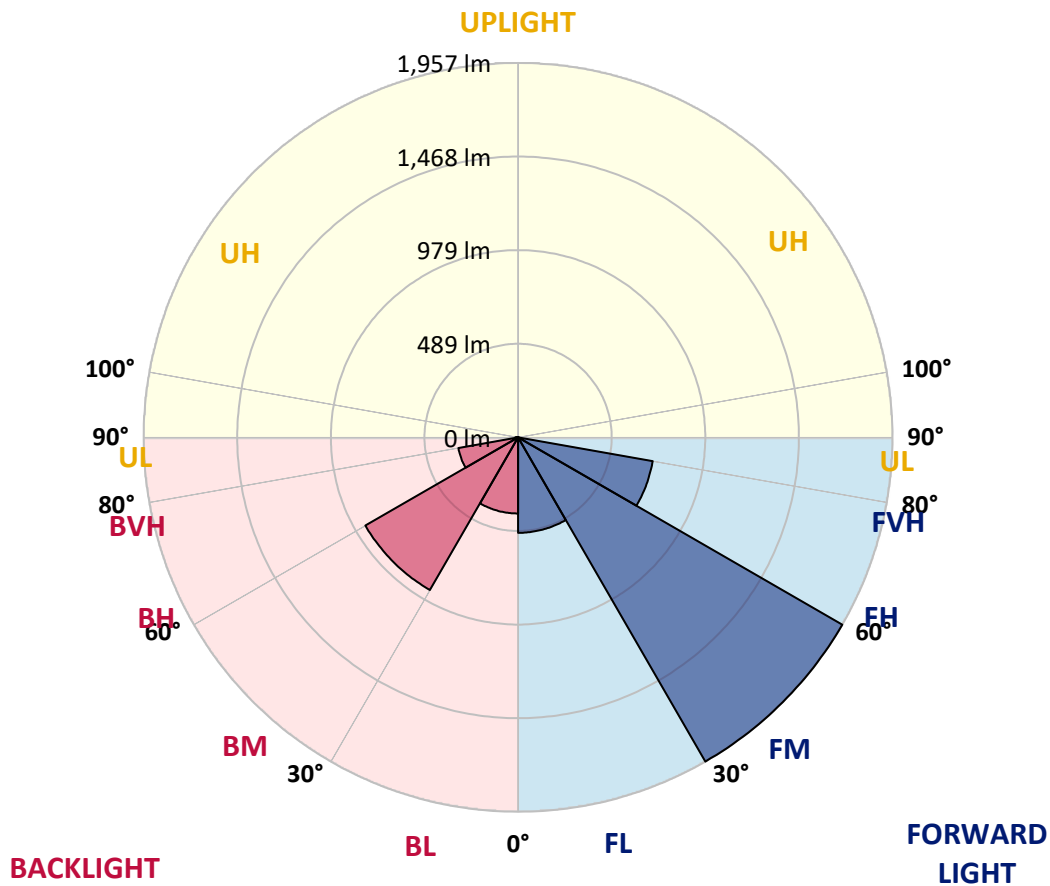
CATALOG NUMBER: GWS-SA1D-750-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	499.1	10.3			
FM (30°-60°)	1957.3	40.5			
FH (60°-80°)	714.8	14.8			G1/1800
FVH (80°-90°)	5.2	0.1			G0/10
BL (0°-30°)	398.1	8.2	B1/500		
BM (30°-60°)	921.8	19.1	B1/1000		
BH (60°-80°)	316.9	6.6	B1/500		G1/500
BVH (80°-90°)	14.9	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





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	973.8	973.8	973.8	973.8	973.8	973.8	973.8	973.8	973.8	973.8	973.8
2.5°	1030.2	1028.0	1025.8	1008.5	1004.0	991.6	982.7	971.6	955.5	946.7	939.1
5°	1094.7	1091.2	1079.2	1043.6	1020.5	995.1	974.2	951.1	926.6	910.6	898.2
7.5°	1155.6	1154.7	1134.3	1075.6	1038.3	1001.8	973.3	939.5	904.4	880.4	864.4
10°	1212.1	1205.4	1181.0	1104.5	1055.6	1013.8	983.1	945.8	904.9	872.4	851.1
12.5°	1261.9	1253.5	1219.7	1131.2	1070.7	1019.1	985.8	955.1	928.0	900.9	876.4
15°	1302.8	1292.6	1258.4	1156.1	1084.0	1016.0	969.3	945.3	954.7	966.7	939.5
17.5°	1341.1	1330.4	1288.6	1174.3	1088.1	996.9	928.9	918.6	965.8	1020.5	1008.0
20°	1373.1	1361.1	1312.6	1183.2	1080.9	960.4	876.4	894.2	956.4	1021.8	1041.8
22.5°	1407.8	1398.0	1339.7	1196.1	1072.0	910.2	832.4	876.0	940.4	997.8	1028.0
25°	1463.3	1451.3	1382.0	1218.8	1067.6	863.1	800.8	858.2	918.2	970.2	993.8
27.5°	1543.8	1521.6	1439.8	1258.4	1072.5	818.6	780.8	836.4	892.4	936.9	956.0
30°	1631.4	1604.7	1503.8	1299.3	1079.6	791.5	770.1	811.5	852.8	897.3	918.2
32.5°	1735.0	1711.4	1572.3	1329.9	1064.5	779.0	762.1	784.4	817.3	852.8	870.2
35°	1858.6	1816.4	1647.0	1354.8	1015.6	760.8	755.0	754.6	771.9	806.6	826.2
37.5°	1991.6	1946.2	1739.0	1381.5	939.5	731.9	738.1	719.4	735.4	763.0	785.2
40°	2100.5	2052.9	1831.9	1418.0	844.4	686.5	700.8	680.8	690.5	719.0	743.9
42.5°	2207.2	2156.5	1918.7	1459.3	752.3	642.1	649.2	641.6	644.7	674.5	709.2
45°	2347.3	2290.4	2025.4	1488.7	669.6	606.9	600.3	587.4	603.8	642.5	679.4
47.5°	2581.2	2513.1	2200.1	1507.8	609.6	586.9	556.3	548.7	569.1	612.3	650.5
50°	2854.6	2795.9	2479.4	1506.9	564.7	570.0	513.6	506.9	540.7	584.3	624.7
52.5°	3078.7	3019.2	2718.1	1462.4	527.8	534.0	488.7	470.0	516.2	556.7	597.2
55°	3259.7	3192.6	2828.0	1276.6	481.1	476.7	461.5	427.3	485.6	529.1	566.9
57.5°	3162.3	3082.3	2695.0	970.7	433.1	405.1	414.9	389.5	443.8	498.4	534.9
60°	2651.4	2579.4	2189.4	516.7	381.1	338.4	358.8	362.8	398.0	461.5	498.9
62.5°	1821.3	1768.8	1483.8	313.5	300.6	271.7	303.7	332.6	358.8	412.6	445.1
65°	891.1	875.5	742.1	201.0	210.3	219.7	251.7	286.8	325.5	372.6	406.9
67.5°	245.4	247.2	225.0	157.0	165.9	191.6	217.0	245.0	283.7	327.3	361.9
70°	108.0	109.8	113.4	120.9	137.8	161.4	187.6	216.5	252.1	288.6	321.9
72.5°	75.1	76.9	82.3	92.0	107.2	129.4	154.3	181.9	218.8	249.4	277.0
75°	46.2	47.6	52.5	60.9	71.1	88.0	112.5	137.8	170.3	198.3	222.8
77.5°	24.5	23.6	26.7	32.5	41.4	50.2	66.7	82.7	105.8	128.5	149.0
80°	13.3	12.9	14.7	17.8	20.5	27.6	38.7	49.4	62.7	75.6	86.7
82.5°	5.8	5.3	5.8	7.6	9.3	13.3	19.6	27.1	34.7	43.6	50.7
85°	0.0	0.0	0.0	0.4	2.2	3.6	6.7	9.8	14.2	19.6	24.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	973.8	973.8	973.8	973.8	973.8	973.8	973.8	973.8	973.8	973.8	973.8
2.5°	934.6	923.5	922.6	913.7	914.6	915.1	906.2	902.6	905.7	909.3	907.5
5°	893.7	882.2	877.3	868.8	868.0	863.9	860.4	855.9	859.1	862.2	863.9
7.5°	858.2	850.6	847.5	845.3	846.2	844.4	837.3	833.3	832.8	834.2	835.9
10°	846.6	840.4	844.4	850.6	855.1	858.2	850.6	843.9	837.7	835.0	835.0
12.5°	871.5	863.5	871.5	878.2	887.1	889.3	880.8	873.7	871.5	874.2	879.5
15°	926.6	908.0	907.5	911.5	918.6	922.2	914.2	910.6	910.6	927.5	940.9
17.5°	981.8	951.1	938.2	936.0	940.4	941.8	935.1	932.0	940.0	972.9	997.8
20°	1020.5	983.1	955.1	949.8	951.1	951.5	946.2	944.0	955.5	995.6	1016.5
22.5°	1016.5	988.9	954.7	948.0	950.2	949.3	944.4	943.5	952.9	987.6	997.3
25°	988.9	967.6	938.6	934.2	937.8	937.3	932.4	930.2	934.2	957.3	958.2
27.5°	957.3	938.6	913.7	912.4	918.2	921.3	912.9	906.2	904.9	920.4	916.9
30°	919.5	905.7	885.7	886.6	897.3	899.1	888.8	879.1	876.4	884.8	880.0
32.5°	874.6	870.2	859.5	861.7	872.0	875.5	864.8	854.6	851.5	854.2	843.9
35°	836.4	834.6	835.5	839.5	848.4	851.1	842.2	834.2	829.7	820.4	807.0
37.5°	796.8	801.7	814.6	822.2	827.0	826.2	821.3	815.5	808.4	791.0	774.6
40°	759.9	772.4	795.5	803.9	805.7	806.1	802.6	797.7	788.8	765.7	747.0
42.5°	731.4	745.2	775.9	788.8	789.7	790.6	787.0	783.0	770.6	739.9	721.7
45°	701.7	719.9	755.9	771.5	770.6	770.1	767.0	765.2	750.6	715.0	695.0
47.5°	676.3	697.7	736.3	749.7	749.2	748.8	746.6	746.6	731.9	693.2	670.5
50°	651.4	675.9	716.3	727.4	728.3	727.4	726.6	727.9	710.5	669.2	647.0
52.5°	624.3	651.9	694.1	704.3	709.7	711.9	711.9	708.8	688.3	645.2	620.7
55°	594.5	620.7	669.6	683.4	687.9	691.9	691.9	685.6	666.5	623.0	596.7
57.5°	557.6	580.7	619.4	633.2	643.8	646.5	646.5	636.3	620.7	578.9	557.6
60°	517.6	537.6	563.8	578.5	586.5	581.2	585.2	582.5	570.0	531.4	513.6
62.5°	464.2	484.7	513.6	528.7	532.2	526.9	532.2	531.8	514.9	480.2	458.9
65°	426.0	446.0	474.4	494.0	499.8	498.4	502.0	496.7	475.8	442.9	422.4
67.5°	380.6	402.0	434.9	456.7	468.7	470.0	474.9	463.8	442.4	406.4	380.6
70°	337.5	355.7	381.1	401.5	418.4	426.9	427.8	411.7	385.1	355.3	336.6
72.5°	292.1	310.8	341.5	363.7	385.1	394.8	394.8	375.3	346.4	313.5	293.5
75°	237.0	254.3	282.4	306.4	330.8	343.3	342.8	325.9	293.9	262.8	241.9
77.5°	160.5	173.4	191.2	209.4	213.0	222.8	227.7	206.3	188.5	171.6	153.0
80°	93.4	101.4	111.2	121.4	123.6	126.7	118.7	110.7	101.4	90.3	81.8
82.5°	54.7	60.0	64.9	72.9	74.3	75.1	68.0	64.5	56.9	50.2	44.9
85°	26.7	28.5	32.9	36.9	35.1	34.2	31.1	27.6	24.5	21.8	19.1
87.5°	5.3	5.3	8.0	7.6	6.2	5.3	3.1	4.0	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



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	973.8	973.8	973.8	973.8	973.8	973.8	973.8	973.8	973.8	973.8	973.8
2.5°	913.3	920.9	930.2	942.7	956.9	972.0	986.7	997.8	1008.9	1025.4	1022.7
5°	866.6	879.5	894.2	913.3	936.4	962.7	992.0	1021.4	1052.9	1079.6	1091.2
7.5°	839.5	853.7	871.1	896.0	925.8	957.8	999.1	1046.7	1097.8	1133.0	1154.7
10°	839.5	857.7	880.4	904.4	930.6	963.5	1014.7	1074.3	1140.1	1186.3	1211.7
12.5°	888.0	906.2	911.1	910.2	924.9	961.3	1027.1	1103.2	1181.9	1230.8	1261.9
15°	963.5	969.8	932.9	899.1	901.3	945.3	1032.9	1126.3	1217.9	1276.6	1310.4
17.5°	1014.2	997.8	932.0	872.8	860.4	918.2	1032.9	1148.5	1256.1	1322.4	1353.9
20°	1018.2	977.3	909.3	847.5	815.5	882.2	1025.8	1165.4	1293.0	1366.4	1400.2
22.5°	983.1	942.7	885.3	825.7	778.6	838.6	1014.2	1178.3	1324.6	1407.8	1449.5
25°	943.1	909.3	860.8	803.5	753.2	794.6	1003.6	1200.1	1368.6	1463.8	1506.0
27.5°	904.0	875.5	831.5	784.8	739.0	756.3	996.9	1232.1	1421.1	1543.4	1579.8
30°	865.7	839.9	799.9	767.0	731.4	731.4	991.1	1269.0	1490.5	1632.7	1669.2
32.5°	827.0	802.6	770.1	749.7	727.0	721.7	975.1	1303.7	1562.0	1730.6	1767.9
35°	791.0	766.6	741.7	733.2	724.8	714.1	935.5	1330.8	1631.9	1844.8	1876.9
37.5°	757.2	733.7	715.0	712.8	713.7	693.6	873.3	1353.5	1719.0	1961.8	1978.7
40°	727.9	701.7	687.0	686.5	691.0	660.7	794.6	1386.0	1818.6	2060.9	2053.8
42.5°	701.7	674.1	656.3	660.3	657.6	627.8	717.7	1415.8	1905.3	2153.9	2139.6
45°	675.9	649.2	624.3	630.1	627.0	607.4	652.3	1437.5	2001.4	2265.5	2267.3
47.5°	651.0	624.7	599.8	592.7	592.3	601.2	602.1	1444.7	2157.9	2445.1	2404.6
50°	627.8	601.6	575.8	551.8	561.1	588.7	564.7	1439.3	2392.2	2643.4	2530.5
52.5°	603.8	578.9	550.5	507.3	531.8	558.9	531.4	1420.2	2535.4	2818.6	2751.0
55°	576.3	552.7	514.0	461.5	491.3	497.1	497.1	1235.2	2596.3	2992.0	3033.8
57.5°	539.4	508.2	446.9	404.6	431.3	409.1	460.7	864.4	2495.8	2937.3	3099.6
60°	497.6	464.2	399.3	369.1	377.1	337.9	392.6	542.0	2068.5	2499.4	2780.4
62.5°	442.4	411.7	357.9	334.4	317.9	275.7	316.1	342.8	1418.0	1856.0	2047.6
65°	405.5	371.7	323.7	292.6	258.8	221.9	209.9	225.0	762.6	1038.7	1168.1
67.5°	361.9	328.6	283.2	244.1	217.0	190.3	169.4	164.1	261.5	345.9	374.4
70°	320.6	288.6	250.8	214.3	187.2	161.0	140.5	125.8	120.9	120.1	118.3
72.5°	278.3	248.6	217.0	183.2	153.4	129.4	111.2	94.3	87.2	84.9	82.7
75°	228.1	204.5	173.0	136.5	112.5	90.3	76.0	64.9	58.7	56.5	53.8
77.5°	146.7	136.1	108.5	88.0	68.0	53.8	46.2	39.1	35.1	34.2	32.0
80°	78.3	72.9	60.0	50.7	40.5	32.9	28.9	24.9	22.7	21.8	20.9
82.5°	43.6	39.6	33.3	29.3	23.6	20.0	17.8	16.0	14.7	14.2	13.8
85°	19.6	16.9	13.3	12.5	11.1	10.2	9.8	8.9	8.4	8.0	7.6
87.5°	0.9	1.8	2.2	1.8	1.8	2.7	3.1	3.1	2.7	2.7	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: P630395

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	973.8	973.8	973.8	973.8	973.8	973.8	973.8	973.8	973.8	973.8
2.5°	1039.1	1052.5	1053.8	1058.3	1052.5	1051.1	1041.8	1036.5	1031.6	1030.2
5°	1120.1	1146.7	1157.4	1165.0	1157.9	1154.3	1133.8	1112.5	1100.5	1094.7
7.5°	1203.2	1243.2	1264.1	1273.5	1274.4	1258.4	1223.2	1183.2	1163.2	1155.6
10°	1277.5	1326.8	1354.4	1372.2	1366.0	1346.4	1298.4	1244.1	1218.8	1212.1
12.5°	1332.6	1379.7	1401.1	1412.6	1412.2	1401.5	1356.2	1297.5	1268.6	1261.9
15°	1368.2	1396.2	1397.5	1400.2	1407.8	1422.0	1398.4	1344.2	1312.2	1302.8
17.5°	1396.2	1385.1	1364.2	1357.1	1374.0	1413.5	1427.8	1383.7	1349.1	1341.1
20°	1414.0	1358.0	1321.0	1307.3	1326.8	1391.3	1445.5	1419.3	1383.3	1373.1
22.5°	1427.8	1332.6	1273.0	1263.7	1284.1	1367.3	1463.8	1461.6	1422.0	1407.8
25°	1449.5	1315.7	1239.2	1232.6	1251.7	1355.7	1488.2	1518.9	1483.8	1463.3
27.5°	1483.8	1313.9	1221.9	1219.7	1245.9	1366.0	1523.4	1603.0	1558.9	1543.8
30°	1531.4	1330.8	1225.9	1230.3	1262.4	1402.9	1578.1	1699.0	1655.0	1631.4
32.5°	1599.8	1376.2	1286.8	1305.9	1329.5	1462.0	1658.1	1803.0	1769.7	1735.0
35°	1690.1	1500.7	1466.9	1548.3	1526.0	1591.4	1754.6	1929.3	1888.9	1858.6
37.5°	1810.6	1755.9	1787.0	1899.1	1845.3	1835.9	1872.4	2044.0	2021.8	1991.6
40°	1979.6	1990.7	2048.0	2195.2	2117.4	2057.4	2016.9	2130.3	2137.9	2100.5
42.5°	2091.6	2142.8	2281.0	2448.2	2341.1	2197.4	2137.9	2240.6	2241.0	2207.2
45°	2133.4	2267.3	2556.3	2748.8	2569.6	2277.5	2204.6	2390.4	2386.0	2347.3
47.5°	2118.3	2372.2	2842.2	3136.5	2863.1	2334.4	2195.2	2603.9	2639.9	2581.2
50°	2086.7	2477.6	3176.1	3611.4	3223.2	2394.9	2181.0	2840.4	2900.0	2854.6
52.5°	2118.7	2595.0	3571.0	4102.3	3675.0	2491.4	2277.0	3144.1	3133.4	3078.7
55°	2220.1	2733.7	4050.7	4719.0	4171.2	2654.5	2523.8	3433.6	3325.1	3259.7
57.5°	2215.2	2832.8	4471.4	5206.8	4603.0	2788.4	2609.6	3464.2	3245.0	3162.3
60°	2010.7	2787.5	4631.4	5515.4	4733.3	2714.6	2327.3	3094.3	2738.1	2651.4
62.5°	1500.7	2473.6	4321.1	5129.0	4364.7	2344.6	1750.1	2221.0	1967.6	1821.3
65°	960.0	1935.1	3632.8	4155.2	3597.6	1793.3	1042.3	1190.8	932.9	891.1
67.5°	408.6	1366.0	2824.0	2777.3	2691.4	1161.9	402.4	335.3	249.9	245.4
70°	135.2	929.3	1740.8	1852.4	1607.4	800.4	132.9	112.5	112.1	108.0
72.5°	88.5	498.9	980.0	1091.2	1034.2	460.7	80.5	75.1	76.9	75.1
75°	52.9	108.5	165.0	214.3	165.0	77.4	48.5	47.6	48.5	46.2
77.5°	31.1	30.2	29.3	29.3	28.9	26.7	24.5	23.6	24.0	24.5
80°	20.0	19.1	18.2	17.8	15.6	14.7	13.8	12.9	12.9	13.3
82.5°	12.9	12.0	11.1	9.8	8.0	6.7	6.2	5.3	5.3	5.8
85°	6.7	5.3	4.0	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

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