

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: P635234

Luminaire Tested: GWS-SA3D-735-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635234
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-735-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9307.2 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

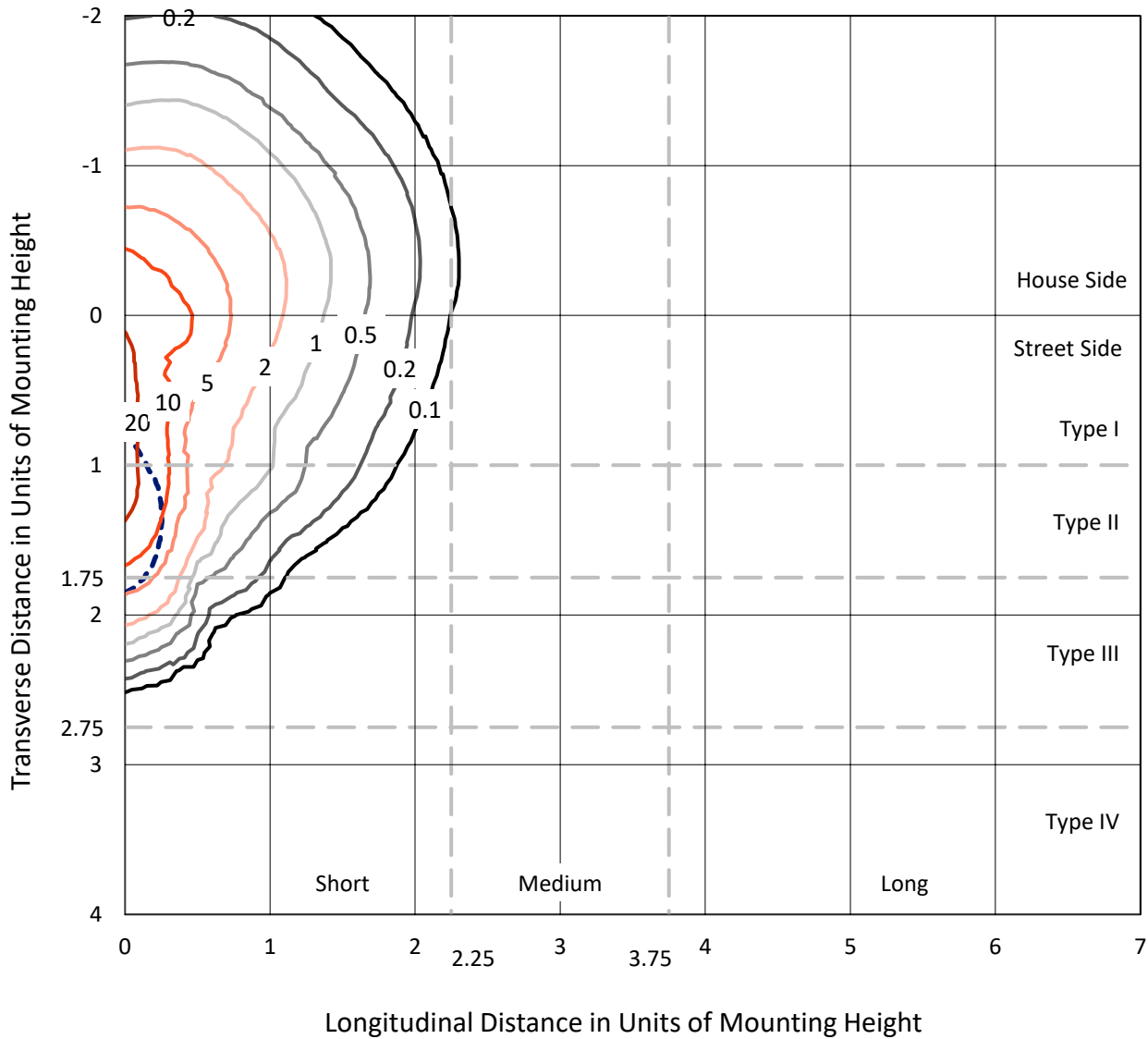
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635234
 CATALOG NUMBER: GWS-SA3D-735-U-SLL-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

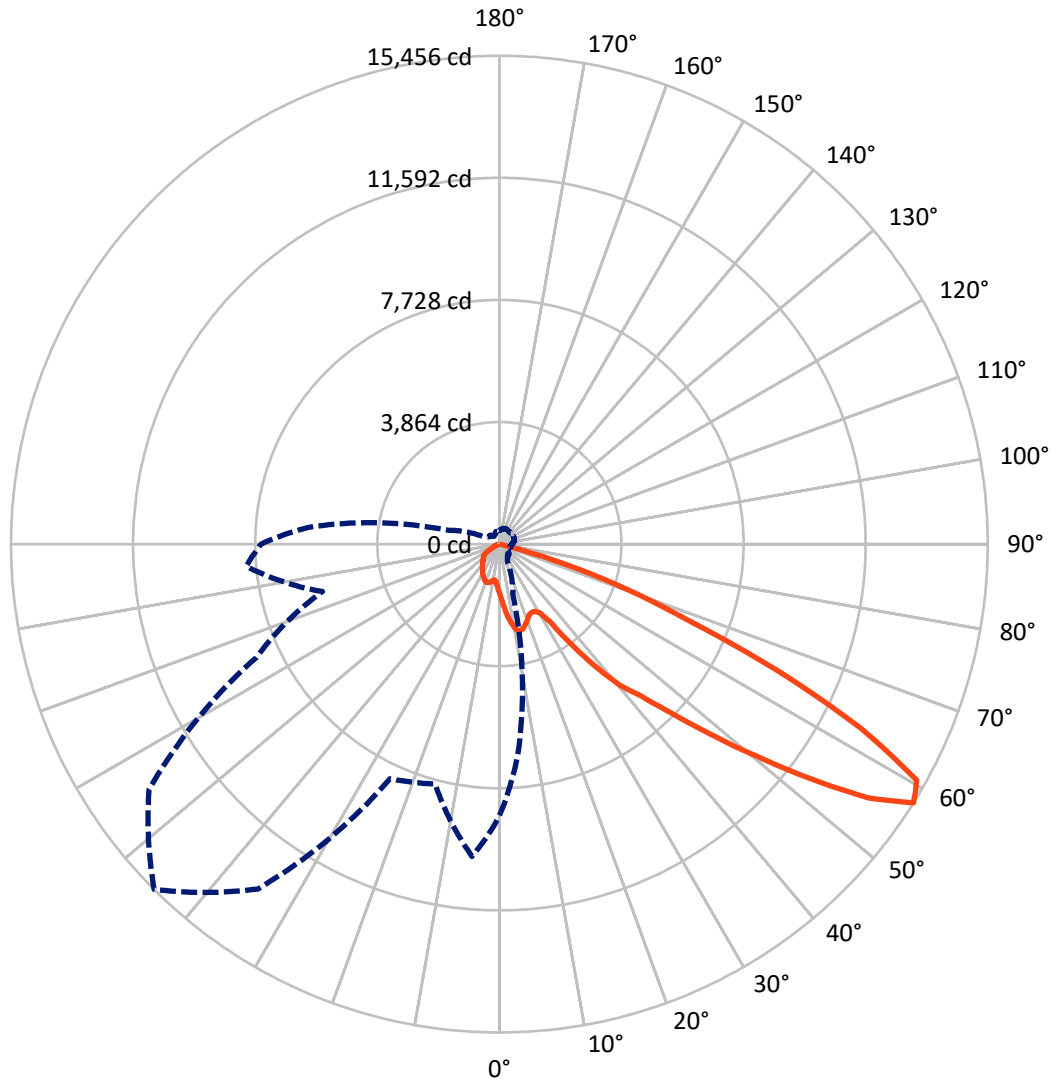
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.8 fc
 Type III - Short - N/A

REPORT NUMBER: P635234
CATALOG NUMBER: GWS-SA3D-735-U-SLL-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P635234
 CATALOG NUMBER: GWS-SA3D-735-U-SLL-W-GRSBK

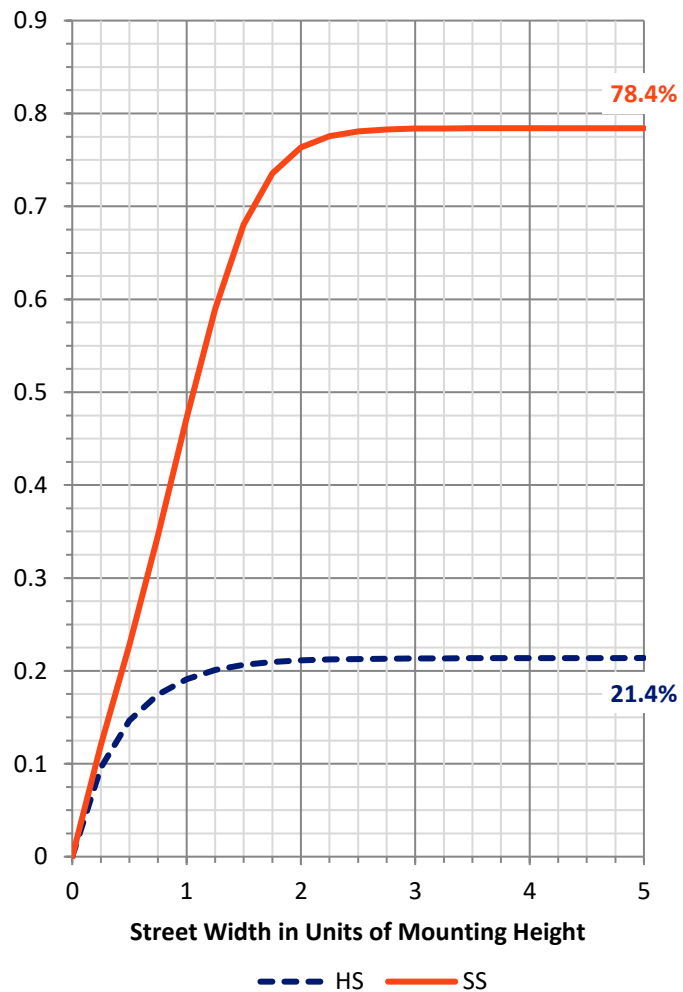
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2005.1	0.0	2005.1
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	7302.1	0.0	7302.1
	% Fixture	78.5	0.0	78.5
Total	Lumens	9307.2	0.0	9307.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.3	1.7
10°-20°	514.3	5.5
20°-30°	834.7	9.0
30°-40°	1281.1	13.8
40°-50°	2045.9	22.0
50°-60°	2864.7	30.8
60°-70°	1468.8	15.8
70°-80°	141.4	1.5
80°-90°	0.0	0.0
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°	9307.2	100.0
0°-180°	9307.2	100.0

Coefficient of Utilization



REPORT NUMBER: P635234

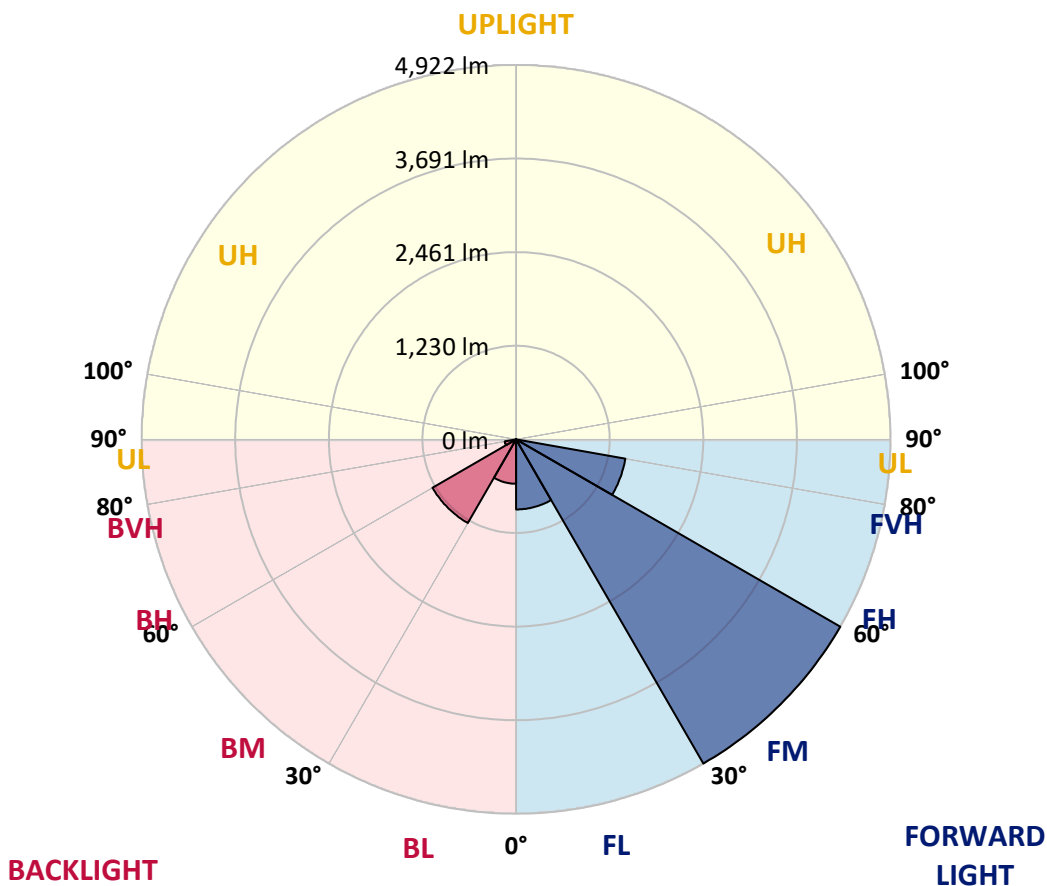
CATALOG NUMBER: GWS-SA3D-735-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	921.5	9.9			
FM (30°-60°)	4921.9	52.9			
FH (60°-80°)	1458.8	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	583.8	6.3	B2/1000		
BM (30°-60°)	1269.8	13.6	B2/2500		
BH (60°-80°)	151.4	1.6	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type III Short





REPORT NUMBER: P635234

CATALOG NUMBER: GWS-SA3D-735-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4
2.5°	1756.9	1753.1	1740.7	1698.4	1672.3	1631.2	1601.3	1562.8	1520.5	1494.3	1468.2
5°	1943.5	1933.6	1900.0	1802.9	1728.3	1647.4	1582.7	1511.8	1435.9	1386.1	1340.0
7.5°	2122.7	2107.7	2063.0	1898.7	1785.5	1669.8	1577.7	1474.4	1367.4	1292.8	1235.5
10°	2298.1	2264.5	2193.6	1992.0	1839.0	1699.6	1591.4	1473.2	1347.5	1253.0	1189.5
12.5°	2442.4	2417.6	2320.5	2080.4	1883.8	1705.9	1572.7	1463.2	1378.6	1315.2	1256.7
15°	2566.9	2539.5	2447.4	2160.0	1922.4	1681.0	1494.3	1398.5	1412.2	1437.1	1387.3
17.5°	2681.3	2652.7	2553.2	2225.9	1937.3	1620.0	1384.8	1338.8	1414.7	1508.0	1489.4
20°	2799.5	2767.2	2645.3	2279.5	1932.3	1524.2	1274.1	1287.8	1394.8	1501.8	1511.8
22.5°	2937.7	2904.1	2762.2	2347.9	1928.6	1409.7	1178.3	1243.0	1357.5	1448.3	1465.7
25°	3120.6	3080.7	2925.2	2448.7	1938.5	1305.2	1109.9	1199.4	1294.0	1376.1	1386.1
27.5°	3361.9	3310.9	3113.1	2573.1	1959.7	1223.1	1080.0	1139.7	1213.1	1286.5	1295.3
30°	3676.7	3612.0	3328.3	2681.3	1949.7	1165.9	1060.1	1080.0	1123.6	1183.3	1184.5
32.5°	4045.0	3956.7	3569.7	2774.7	1863.9	1123.6	1032.7	1019.0	1029.0	1075.0	1083.7
35°	4478.0	4363.6	3836.0	2863.0	1707.1	1041.4	983.0	936.9	933.2	955.6	976.7
37.5°	4974.5	4837.6	4171.9	2976.2	1521.7	955.6	909.5	863.5	843.6	854.8	887.1
40°	5432.4	5280.6	4522.8	3113.1	1332.6	878.4	823.7	776.4	752.8	756.5	796.3
42.5°	5969.9	5813.1	4952.1	3292.3	1175.8	826.2	734.1	685.6	654.5	671.9	717.9
45°	6786.1	6608.2	5577.9	3447.8	1051.4	813.7	655.7	587.3	572.4	602.2	657.0
47.5°	7900.9	7683.2	6437.7	3542.4	945.6	824.9	601.0	507.7	511.4	545.0	599.7
50°	9007.1	8771.9	7431.9	3417.9	858.5	802.5	573.6	445.4	469.1	498.9	548.7
52.5°	9767.3	9461.2	7915.9	3058.3	778.9	717.9	571.1	387.0	431.8	441.7	484.0
55°	9797.2	9420.2	7668.3	2411.3	670.6	605.9	545.0	338.4	390.7	394.4	430.5
57.5°	8587.8	8246.8	6701.5	1656.1	596.0	444.2	434.2	296.1	321.0	352.1	374.5
60°	6533.5	6243.6	5011.8	759.0	452.9	282.4	297.4	255.1	240.1	286.2	308.6
62.5°	4001.5	3816.1	3006.1	335.9	288.7	150.6	180.4	202.8	180.4	197.8	216.5
65°	1588.9	1506.8	1141.0	143.1	118.2	75.9	82.1	118.2	126.9	139.4	156.8
67.5°	276.2	261.3	191.6	63.5	48.5	46.0	39.8	54.7	77.1	85.9	99.5
70°	36.1	34.8	31.1	26.1	24.9	22.4	17.4	34.8	52.3	54.7	63.5
72.5°	8.7	7.5	7.5	6.2	7.5	2.5	2.5	18.7	37.3	38.6	44.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	23.6	26.1	31.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



REPORT NUMBER: P635234

CATALOG NUMBER: GWS-SA3D-735-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4
2.5°	1447.1	1422.2	1413.5	1401.0	1384.8	1389.8	1367.4	1360.0	1371.2	1386.1	1382.4
5°	1315.2	1287.8	1269.1	1240.5	1235.5	1224.3	1216.9	1206.9	1219.4	1236.8	1240.5
7.5°	1210.6	1187.0	1168.3	1159.6	1153.4	1148.4	1133.5	1126.0	1126.0	1133.5	1139.7
10°	1165.9	1148.4	1144.7	1147.2	1157.1	1155.9	1142.2	1132.3	1119.8	1113.6	1121.1
12.5°	1228.1	1199.4	1194.5	1195.7	1208.2	1206.9	1192.0	1179.5	1177.1	1179.5	1203.2
15°	1333.8	1290.3	1257.9	1251.7	1257.9	1255.4	1244.2	1236.8	1240.5	1276.6	1316.4
17.5°	1428.4	1361.2	1302.7	1280.3	1279.1	1275.3	1264.1	1261.7	1280.3	1347.5	1406.0
20°	1455.8	1389.8	1306.5	1277.8	1271.6	1267.9	1255.4	1259.2	1282.8	1363.7	1413.5
22.5°	1419.7	1356.2	1269.1	1240.5	1235.5	1234.3	1221.8	1226.8	1246.7	1317.7	1358.7
25°	1351.2	1297.7	1206.9	1182.0	1182.0	1179.5	1168.3	1170.8	1183.3	1245.5	1285.3
27.5°	1267.9	1216.9	1141.0	1116.1	1119.8	1123.6	1109.9	1106.1	1116.1	1174.6	1198.2
30°	1172.1	1136.0	1076.3	1053.9	1052.6	1067.6	1048.9	1043.9	1057.6	1103.6	1108.6
32.5°	1078.8	1061.3	1019.0	1001.6	1002.9	1005.3	995.4	995.4	1007.8	1032.7	1031.5
35°	987.9	976.7	969.3	956.8	955.6	950.6	950.6	953.1	966.8	975.5	959.3
37.5°	900.8	912.0	920.7	908.3	898.3	898.3	898.3	909.5	922.0	918.3	890.9
40°	823.7	847.3	874.7	861.0	837.4	836.1	841.1	859.8	878.4	856.0	831.2
42.5°	757.7	787.6	826.2	818.7	792.6	788.8	792.6	816.2	831.2	802.5	775.2
45°	693.0	730.4	776.4	776.4	747.8	744.1	745.3	776.4	785.1	751.5	716.7
47.5°	638.3	679.4	727.9	727.9	704.2	696.8	703.0	735.3	741.6	694.3	661.9
50°	586.0	630.8	684.3	680.6	664.4	658.2	669.4	704.2	696.8	644.5	610.9
52.5°	520.1	567.4	640.8	644.5	635.8	637.1	650.7	673.1	652.0	588.5	559.9
55°	460.4	508.9	582.3	602.2	602.2	601.0	607.2	624.6	607.2	531.3	496.5
57.5°	395.7	436.7	497.7	502.7	506.4	492.7	501.4	525.1	516.4	451.7	431.8
60°	324.7	359.6	394.4	398.2	382.0	353.4	369.5	396.9	403.1	354.6	332.2
62.5°	230.2	263.8	304.8	304.8	288.7	260.0	281.2	304.8	296.1	246.4	232.7
65°	171.7	202.8	233.9	247.6	233.9	214.0	230.2	247.6	233.9	192.9	172.9
67.5°	110.7	131.9	150.6	161.8	164.2	161.8	169.2	164.2	148.1	120.7	109.5
70°	67.2	78.4	88.3	98.3	105.8	109.5	113.2	102.0	85.9	70.9	67.2
72.5°	48.5	58.5	67.2	74.7	83.4	85.9	85.9	78.4	63.5	49.8	46.0
75°	33.6	42.3	49.8	54.7	62.2	64.7	64.7	58.5	47.3	36.1	32.4
77.5°	1.2	8.7	8.7	7.5	10.0	12.4	12.4	14.9	13.7	10.0	8.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



REPORT NUMBER: P635234

CATALOG NUMBER: GWS-SA3D-735-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4
2.5°	1389.8	1434.6	1447.1	1493.1	1534.1	1575.2	1625.0	1654.8	1699.6	1730.7	1748.2
5°	1253.0	1290.3	1335.1	1403.5	1474.4	1552.8	1647.4	1729.5	1832.8	1908.7	1933.6
7.5°	1153.4	1201.9	1254.2	1340.0	1437.1	1541.6	1674.7	1809.1	1967.1	2070.4	2136.4
10°	1134.7	1184.5	1254.2	1338.8	1440.8	1560.3	1723.3	1897.5	2095.3	2221.0	2295.6
12.5°	1224.3	1277.8	1307.7	1346.3	1423.4	1556.5	1765.6	1987.1	2219.7	2356.6	2436.2
15°	1356.2	1403.5	1355.0	1306.5	1356.2	1516.7	1789.2	2061.7	2329.2	2487.2	2569.4
17.5°	1447.1	1450.8	1345.0	1241.8	1255.4	1444.6	1797.9	2136.4	2446.2	2611.7	2697.5
20°	1438.3	1408.5	1301.5	1187.0	1144.7	1351.2	1788.0	2202.3	2564.4	2737.3	2821.9
22.5°	1371.2	1336.3	1245.5	1133.5	1051.4	1240.5	1770.6	2262.0	2672.6	2869.2	2948.9
25°	1290.3	1253.0	1178.3	1080.0	991.7	1133.5	1756.9	2344.2	2809.5	3040.9	3103.1
27.5°	1195.7	1163.4	1099.9	1029.0	966.8	1052.6	1753.1	2452.4	2975.0	3250.0	3293.5
30°	1103.6	1073.8	1024.0	983.0	956.8	1005.3	1740.7	2568.1	3172.8	3490.1	3537.4
32.5°	1015.3	985.4	954.3	948.1	949.4	987.9	1698.4	2682.6	3408.0	3838.5	3873.3
35°	939.4	904.6	892.1	907.1	934.4	958.1	1578.9	2777.1	3660.6	4218.0	4246.6
37.5°	867.2	832.4	831.2	867.2	897.1	912.0	1438.3	2870.5	4001.5	4603.7	4639.8
40°	801.3	766.5	778.9	822.4	846.1	853.5	1267.9	3012.3	4362.3	5010.6	4990.7
42.5°	745.3	709.2	716.7	772.7	793.8	813.7	1111.1	3130.5	4709.5	5396.3	5390.1
45°	690.6	663.2	658.2	719.2	737.8	817.5	996.6	3221.3	5156.1	5887.8	5897.7
47.5°	637.1	615.9	617.1	643.3	689.3	836.1	899.6	3281.1	5804.4	6666.6	6493.7
50°	588.5	572.4	586.0	556.2	658.2	812.5	816.2	3268.6	6528.5	7413.2	7066.0
52.5°	535.0	531.3	537.5	465.3	608.4	716.7	737.8	3103.1	6868.2	7923.3	7725.5
55°	480.3	479.0	429.3	372.0	508.9	572.4	632.1	2589.3	6857.0	8194.6	8434.7
57.5°	415.6	405.6	326.0	303.6	395.7	398.2	576.1	1695.9	6076.9	7545.1	8042.8
60°	314.8	307.3	238.9	246.4	276.2	255.1	459.1	844.8	4541.5	5877.8	6439.0
62.5°	217.7	207.8	177.9	190.4	177.9	145.6	281.2	418.1	2751.0	3711.6	4220.5
65°	159.3	148.1	121.9	104.5	83.4	83.4	107.0	160.5	1065.1	1577.7	1902.4
67.5°	98.3	93.3	72.2	52.3	51.0	54.7	56.0	79.6	171.7	273.7	334.7
70°	63.5	58.5	48.5	33.6	31.1	32.4	33.6	37.3	43.5	47.3	57.2
72.5°	43.5	41.1	34.8	18.7	14.9	16.2	17.4	17.4	21.2	19.9	23.6
75°	31.1	28.6	24.9	8.7	5.0	6.2	7.5	6.2	7.5	5.0	6.2
77.5°	8.7	8.7	6.2	1.2	0.0	1.2	2.5	2.5	1.2	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



REPORT NUMBER: P635234

CATALOG NUMBER: GWS-SA3D-735-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4	1581.4
2.5°	1793.0	1821.6	1832.8	1816.6	1830.3	1807.9	1799.2	1765.6	1763.1	1756.9
5°	2034.3	2099.0	2137.6	2161.2	2133.9	2104.0	2059.2	1982.1	1958.4	1943.5
7.5°	2272.0	2372.8	2438.7	2469.8	2462.4	2401.4	2320.5	2191.1	2145.1	2122.7
10°	2478.5	2601.7	2681.3	2719.9	2703.7	2650.2	2534.5	2372.8	2311.8	2298.1
12.5°	2622.9	2736.1	2790.8	2824.4	2825.7	2804.5	2695.0	2532.0	2459.9	2442.4
15°	2713.7	2762.2	2763.5	2783.4	2818.2	2865.5	2814.5	2670.1	2593.0	2566.9
17.5°	2770.9	2717.4	2662.7	2667.7	2724.9	2850.6	2902.8	2792.1	2710.0	2681.3
20°	2812.0	2642.8	2540.7	2542.0	2600.5	2790.8	2963.8	2910.3	2825.7	2799.5
22.5°	2838.1	2576.8	2431.2	2427.5	2489.7	2719.9	3019.8	3050.9	2967.5	2937.7
25°	2891.6	2545.7	2365.3	2386.5	2441.2	2697.5	3095.7	3237.5	3160.4	3120.6
27.5°	2987.4	2576.8	2359.1	2407.6	2469.8	2763.5	3227.6	3486.4	3406.7	3361.9
30°	3152.9	2693.8	2454.9	2522.1	2596.7	2936.4	3449.0	3833.5	3719.0	3676.7
32.5°	3419.2	2936.4	2751.0	2895.4	2967.5	3220.1	3781.3	4223.0	4129.6	4045.0
35°	3786.2	3490.1	3468.9	3804.9	3787.5	3757.6	4189.4	4700.7	4560.1	4478.0
37.5°	4291.4	4381.0	4537.7	4871.2	4860.0	4632.3	4725.6	5152.4	5080.2	4974.5
40°	4922.2	5112.6	5378.9	5856.6	5707.3	5421.2	5383.8	5615.3	5556.8	5432.4
42.5°	5294.2	5622.7	6130.4	6559.6	6440.2	5940.0	5897.7	6233.7	6105.5	5969.9
45°	5467.2	6038.3	7033.7	7614.8	7252.7	6284.7	6268.5	7039.9	6967.8	6786.1
47.5°	5546.8	6457.6	8091.3	8971.0	8294.1	6587.0	6528.5	8209.5	8114.9	7900.9
50°	5635.2	7036.2	9365.4	10542.5	9552.0	6929.2	6971.5	9299.5	9259.6	9007.1
52.5°	5829.3	7648.4	10934.4	12339.1	11077.5	7465.5	7731.7	10327.2	10058.4	9767.3
55°	6120.4	8315.3	12566.8	14174.4	12634.0	8185.9	8554.2	10873.4	10119.4	9797.2
57.5°	5798.2	8482.0	13533.6	15456.0	13324.6	8188.4	7858.6	9926.6	8900.1	8587.8
60°	4601.2	7891.0	13161.6	15178.5	12736.1	7271.3	6017.2	7750.4	6742.5	6533.5
62.5°	3110.6	6618.1	11586.4	12836.8	10900.8	5719.8	3910.7	5040.4	4174.4	4001.5
65°	1704.6	4937.2	9361.7	9711.3	8531.8	3995.3	2011.9	2187.4	1666.0	1588.9
67.5°	470.3	3436.6	6888.1	6442.7	5986.0	2601.7	520.1	390.7	278.7	276.2
70°	118.2	2273.2	4127.1	4254.1	3670.5	1666.0	99.5	47.3	37.3	36.1
72.5°	49.8	978.0	1958.4	2250.8	1878.8	771.4	36.1	13.7	11.2	8.7
75°	6.2	78.4	166.7	252.6	172.9	83.4	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	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)