

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P597016

Luminaire Tested: **MSA-SA3A-835-U-SLR**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P597016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-24)
Test Lab: INNOVATIONS CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: MSA-SA3A-835-U-SLR
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8284 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

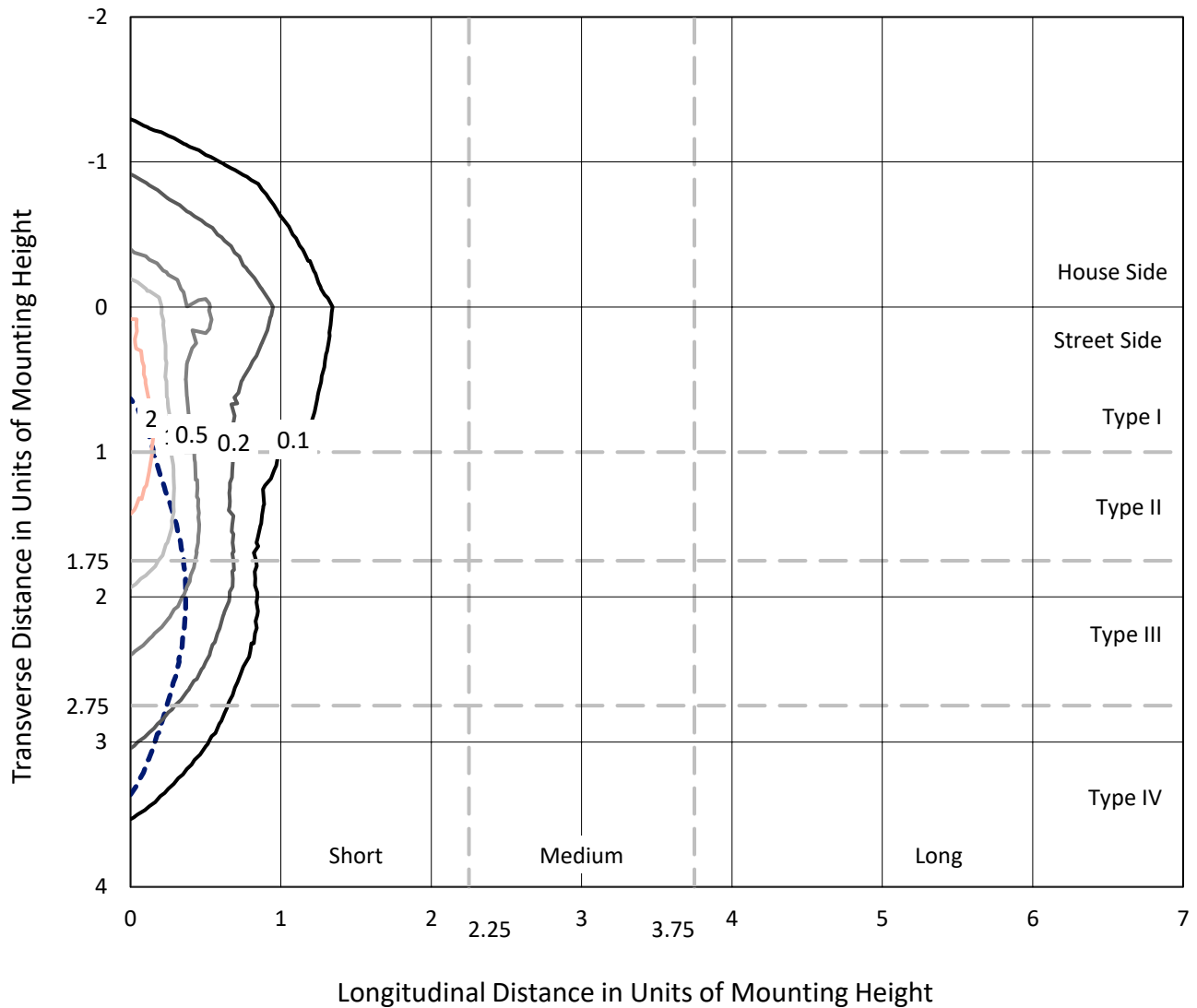
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

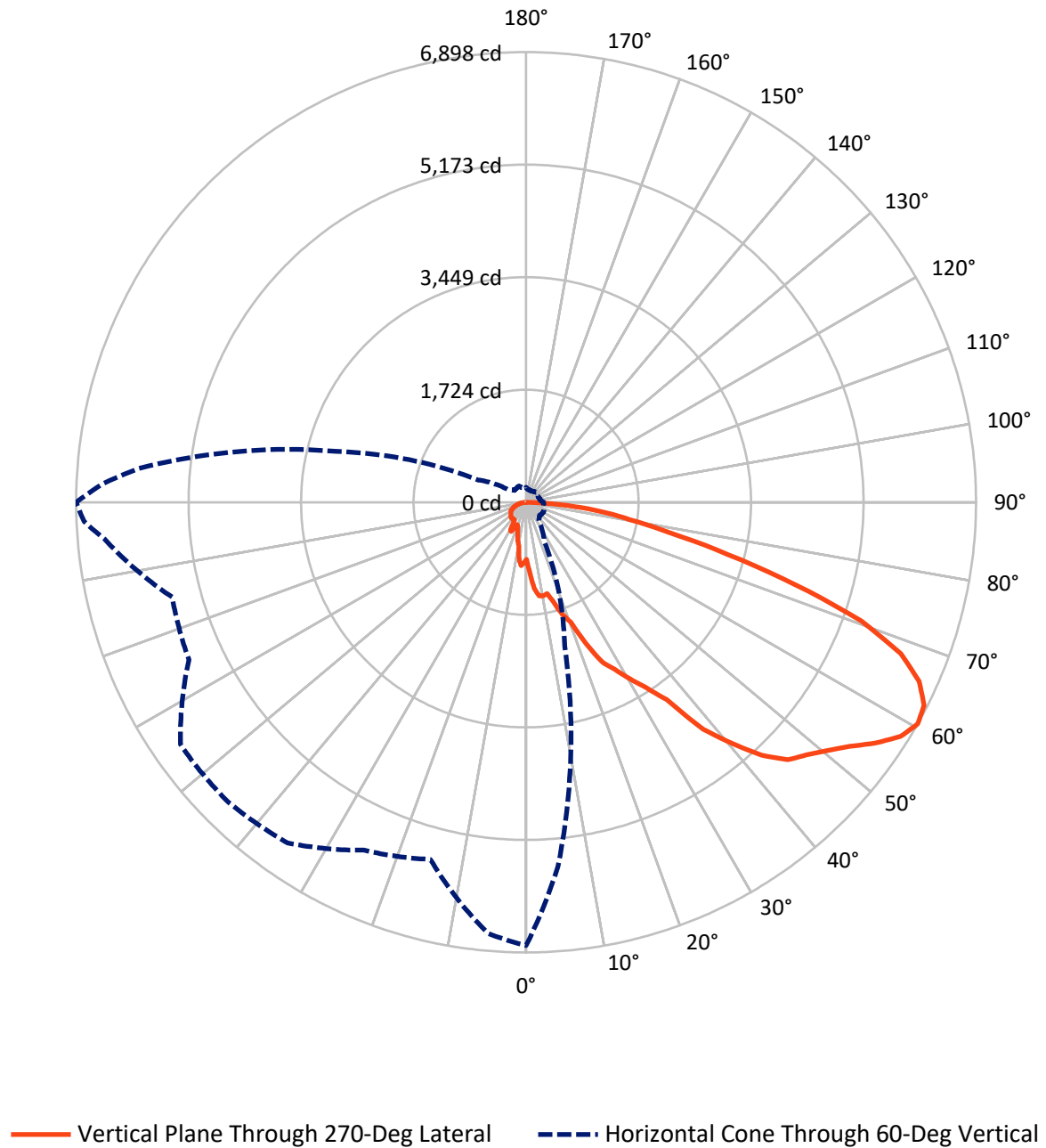
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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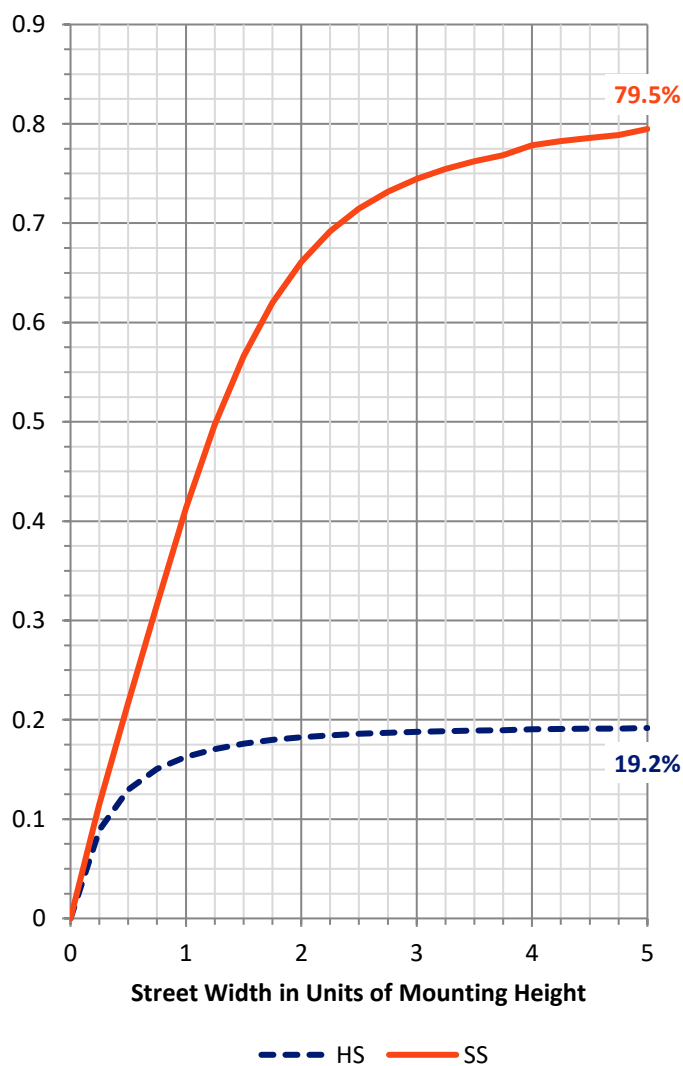
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1604.4	0.0	1604.4
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	6679.6	0.0	6679.6
	% Fixture	80.6	0.0	80.6
Total	Lumens	8284.0	0.0	8284.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.2	1.2
10°-20°	291.1	3.5
20°-30°	513.8	6.2
30°-40°	800.3	9.7
40°-50°	1317.6	15.9
50°-60°	1880.6	22.7
60°-70°	1994.1	24.1
70°-80°	1101.4	13.3
80°-90°	285.0	3.4
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°	8284.0	100.0
0°-180°	8284.0	100.0

Coefficient of Utilization



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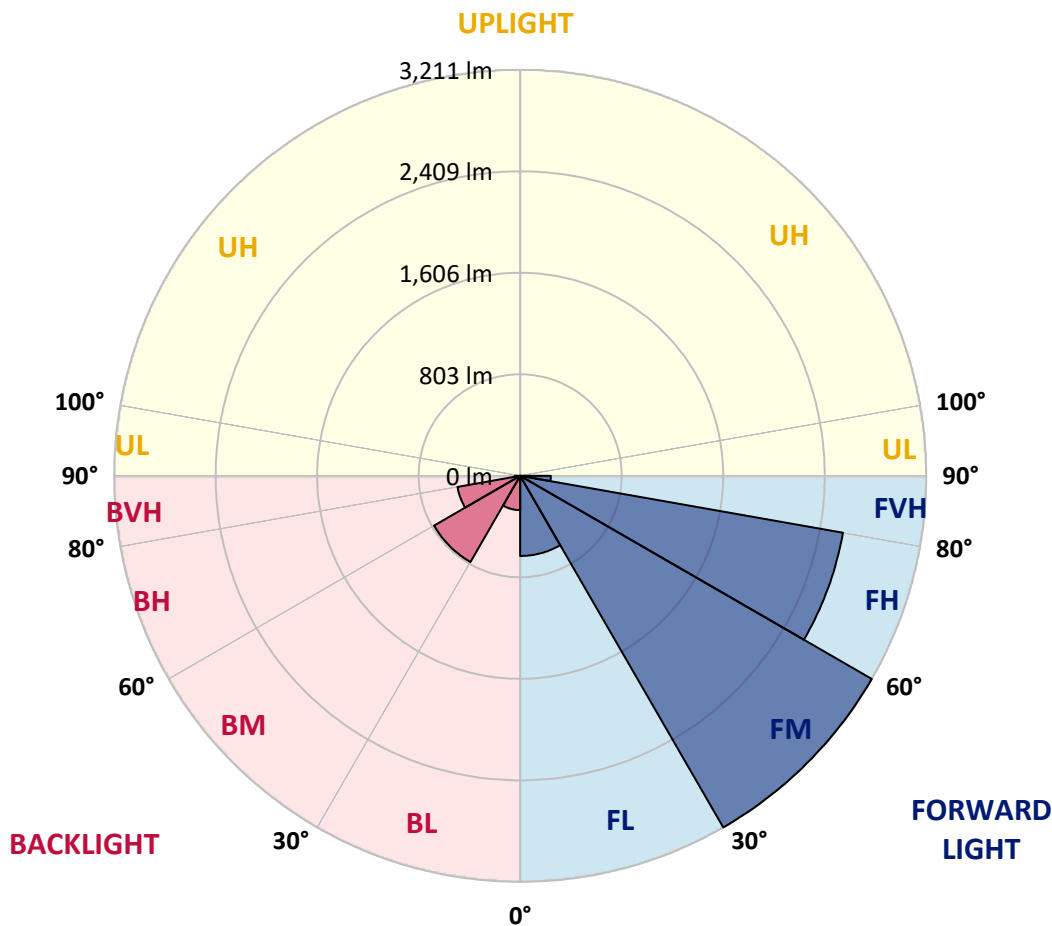
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	633.9	7.7			
FM (30°-60°)	3211.4	38.8			
FH (60°-80°)	2592.1	31.3			G2/5000
FVH (80°-90°)	242.2	2.9			G3/500
BL (0°-30°)	271.2	3.3	B1/500		
BM (30°-60°)	787.0	9.5	B1/1000		
BH (60°-80°)	503.4	6.1	B2/1000		G2/1000
BVH (80°-90°)	42.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7
2.5°	1170.1	1177.3	1184.2	1170.5	1156.8	1142.7	1129.1	1108.6	1087.7	1067.2	1046.2
5°	1405.3	1378.8	1351.8	1341.0	1330.5	1319.7	1308.8	1298.8	1288.7	1278.3	1268.2
7.5°	1478.9	1441.1	1402.9	1386.8	1370.7	1354.2	1338.2	1302.0	1265.8	1229.2	1193.0
10°	1398.1	1358.7	1318.9	1303.2	1287.1	1271.4	1255.3	1211.1	1167.3	1123.0	1078.8
12.5°	1463.2	1423.0	1382.4	1332.5	1282.7	1232.4	1182.6	1158.0	1133.5	1108.6	1084.0
15°	1525.9	1471.7	1417.0	1367.1	1317.3	1267.0	1217.1	1168.1	1119.0	1070.0	1020.9
17.5°	1755.1	1664.7	1574.2	1484.1	1393.7	1303.6	1213.1	1156.4	1099.3	1042.6	985.5
20°	2034.6	1908.7	1782.5	1645.8	1508.6	1371.9	1234.8	1163.3	1092.1	1020.5	948.9
22.5°	2367.1	2208.3	2049.5	1877.0	1704.5	1531.6	1359.1	1255.3	1151.6	1047.4	943.7
25°	2631.3	2478.5	2325.7	2107.0	1888.2	1669.5	1450.7	1332.9	1215.1	1096.9	979.1
27.5°	2887.8	2644.6	2400.9	2150.4	1900.3	1649.8	1399.3	1290.3	1181.3	1072.4	963.4
30°	3104.6	2911.5	2718.5	2391.6	2064.7	1737.4	1410.5	1276.6	1142.7	1008.8	875.0
32.5°	3421.8	3146.4	2870.5	2529.6	2188.6	1847.6	1506.6	1335.3	1164.1	992.8	821.5
35°	3792.9	3506.6	3220.4	2798.6	2377.2	1955.4	1533.6	1352.2	1170.5	989.1	807.4
37.5°	4484.9	3980.3	3475.3	3014.9	2554.5	2093.7	1633.3	1422.6	1211.9	1000.8	790.1
40°	4866.5	4400.1	3933.7	3359.9	2786.1	2211.9	1638.1	1422.6	1206.7	991.2	775.2
42.5°	5375.2	4785.3	4195.0	3574.6	2954.6	2334.1	1713.7	1474.9	1236.0	996.8	757.9
45°	5685.2	5027.8	4369.9	3706.9	3043.8	2380.8	1717.7	1475.3	1232.8	990.4	747.9
47.5°	5885.0	5253.7	4622.0	3908.3	3194.6	2480.5	1766.8	1509.5	1251.7	994.4	736.6
50°	6074.4	5449.2	4823.5	4082.4	3341.8	2600.7	1859.7	1578.6	1297.6	1016.1	735.0
52.5°	6306.8	5731.0	5154.8	4359.9	3564.5	2769.6	1974.3	1668.3	1362.3	1056.3	750.3
55°	6645.0	6077.6	5509.9	4656.6	3803.0	2949.7	2096.1	1756.3	1417.0	1077.2	737.4
57.5°	6864.1	6288.7	5713.3	4843.2	3973.1	3102.5	2232.4	1856.1	1479.7	1102.9	726.6
60°	6791.3	6197.8	5604.0	4774.4	3944.9	3115.4	2285.9	1879.4	1473.3	1066.8	660.2
62.5°	6469.7	5838.8	5207.9	4464.8	3722.2	2979.1	2236.0	1822.7	1409.7	996.4	583.0
65°	6020.1	5367.9	4715.3	4045.0	3374.8	2704.5	2034.2	1659.0	1283.5	908.3	532.8
67.5°	5468.5	4788.5	4108.2	3514.7	2921.2	2327.3	1733.8	1420.2	1107.0	793.3	479.7
70°	4776.5	4108.2	3439.9	2926.4	2413.0	1899.5	1386.0	1150.0	914.4	678.3	442.3
72.5°	3839.2	3262.6	2686.0	2281.9	1877.8	1473.7	1069.6	905.5	741.9	577.8	413.8
75°	2730.6	2391.6	2052.7	1738.2	1423.8	1109.0	794.5	688.4	582.2	476.1	369.9
77.5°	1940.5	1740.7	1540.8	1294.3	1047.9	801.4	554.9	492.6	430.6	368.3	306.0
80°	1434.7	1267.8	1100.9	915.2	729.4	543.6	357.9	327.3	297.1	266.6	236.0
82.5°	944.5	869.3	793.7	646.6	499.4	352.2	205.1	193.8	182.5	171.3	160.0
85°	423.0	446.7	470.0	380.0	289.5	199.4	109.0	103.7	98.5	93.3	88.1
87.5°	40.6	59.9	79.2	68.0	56.3	45.0	33.4	33.0	33.0	32.6	32.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7
2.5°	1051.9	1057.5	1063.1	1068.8	1062.7	1056.7	1050.3	1044.2	1036.6	1029.0	1020.9
5°	1251.3	1234.0	1217.1	1199.8	1174.1	1148.4	1122.2	1096.5	1093.3	1089.7	1086.5
7.5°	1161.2	1129.9	1098.1	1066.3	1026.1	986.3	946.1	905.9	893.9	881.8	869.7
10°	1057.5	1035.8	1014.5	992.8	967.8	942.9	917.6	892.6	859.7	826.3	793.3
12.5°	1048.7	1013.3	977.5	942.1	926.8	911.5	896.3	881.0	852.0	823.1	793.7
15°	992.4	963.4	934.9	905.9	883.8	861.7	839.6	817.5	794.1	770.4	747.1
17.5°	952.6	919.6	886.6	853.6	828.3	803.0	777.2	751.9	723.8	695.2	667.1
20°	911.1	873.7	835.9	798.2	766.0	734.2	702.1	669.9	638.9	608.4	577.4
22.5°	894.3	844.8	795.3	745.9	712.1	677.9	644.2	610.0	581.4	552.9	524.3
25°	920.0	861.3	802.2	743.1	697.6	651.8	606.4	560.5	536.8	513.1	488.9
27.5°	889.8	815.8	742.3	668.3	619.6	570.6	521.9	472.9	469.2	465.6	461.6
30°	797.3	719.7	642.1	564.5	519.9	474.9	430.2	385.2	376.8	367.9	359.5
32.5°	742.3	663.0	583.8	504.6	464.8	424.6	384.8	344.6	334.9	325.3	315.6
35°	721.4	635.3	549.3	463.2	429.0	394.9	360.7	326.5	319.7	313.2	306.4
37.5°	704.5	619.2	533.6	447.9	415.0	382.0	348.6	315.6	310.4	305.2	300.0
40°	688.4	601.9	515.1	428.2	398.9	369.9	340.6	311.2	308.0	304.8	301.2
42.5°	673.9	589.9	505.4	421.4	395.3	369.5	343.4	317.3	314.0	310.8	307.6
45°	665.9	583.8	501.8	419.8	400.9	382.0	362.7	343.8	336.1	328.5	320.5
47.5°	659.8	583.0	506.2	429.4	409.7	390.0	370.3	350.6	343.8	337.0	329.7
50°	661.0	587.5	513.5	439.5	415.8	391.6	367.9	343.8	343.0	342.2	341.4
52.5°	671.9	593.9	515.5	437.1	411.3	385.6	359.5	333.7	339.0	343.8	349.0
55°	656.2	575.0	493.4	412.1	387.6	363.5	339.0	314.4	321.3	327.7	334.5
57.5°	638.5	550.5	462.4	374.3	355.9	337.4	318.5	300.0	307.2	314.8	322.1
60°	579.8	499.4	419.0	338.6	326.1	313.6	301.2	288.7	291.9	295.1	298.4
62.5°	515.5	447.5	380.0	312.0	302.4	292.3	282.7	272.6	272.6	273.0	273.0
65°	474.5	416.2	357.9	299.6	288.7	277.8	266.6	255.7	254.1	252.5	250.9
67.5°	433.5	387.6	341.4	295.1	279.5	264.2	248.5	232.8	230.8	229.2	227.2
70°	401.3	360.3	319.3	278.2	260.6	243.3	225.6	207.9	206.3	205.1	203.5
72.5°	375.2	337.0	298.4	259.8	241.3	222.4	203.9	185.0	183.8	182.5	180.9
75°	335.7	302.0	267.8	233.6	215.5	197.8	179.7	161.6	160.0	158.8	157.2
77.5°	277.8	249.3	221.2	192.6	178.5	164.9	150.8	136.7	135.9	135.1	133.9
80°	213.9	191.8	169.3	147.2	137.9	128.3	119.0	109.4	109.0	108.6	107.8
82.5°	146.8	133.5	120.2	107.0	100.1	92.9	86.0	78.8	79.2	79.6	80.0
85°	83.6	78.8	74.4	69.6	63.9	58.7	53.1	47.4	48.7	49.9	50.7
87.5°	30.6	29.0	27.3	25.7	22.9	20.5	17.7	14.9	15.7	16.9	17.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597016
 CATALOG NUMBER: MSA-SA3A-835-U-SLR

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597016
 CATALOG NUMBER: MSA-SA3A-835-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7
2.5°	1013.3	1001.2	989.1	977.1	965.0	940.1	915.6	890.6	865.7	881.0	896.7
5°	1082.8	1062.3	1041.4	1020.9	1000.0	988.3	976.7	965.0	953.4	959.4	965.8
7.5°	857.7	845.6	833.1	821.1	808.6	803.4	798.6	793.3	788.1	803.0	817.9
10°	760.0	743.1	726.2	708.9	692.0	681.9	671.9	661.8	651.8	655.8	659.8
12.5°	764.8	739.8	714.9	690.0	665.1	650.2	635.3	620.4	605.6	609.2	612.8
15°	723.4	697.6	671.9	646.2	620.4	603.1	585.4	568.2	550.5	544.4	538.0
17.5°	638.5	610.4	582.2	554.1	525.9	514.3	502.6	491.0	479.3	472.9	466.4
20°	546.4	520.3	494.2	468.0	441.9	433.9	425.8	417.4	409.3	405.3	400.9
22.5°	495.8	479.7	463.2	447.1	430.6	421.4	412.5	403.3	394.1	389.6	384.8
25°	465.2	468.4	472.1	475.3	478.5	474.5	470.0	466.0	461.6	463.2	464.4
27.5°	458.0	464.8	472.1	478.9	485.7	489.3	493.0	496.6	500.2	501.4	502.6
30°	350.6	354.2	357.5	361.1	364.3	374.3	384.4	394.1	404.1	419.8	435.9
32.5°	306.0	304.8	303.6	302.0	300.8	303.2	305.6	307.6	310.0	315.6	321.7
35°	299.6	296.7	293.5	290.7	287.5	288.7	289.9	291.1	292.3	296.7	301.2
37.5°	294.7	293.5	292.7	291.5	290.3	293.1	295.5	298.4	300.8	304.4	308.0
40°	298.0	297.5	297.1	296.3	295.9	297.5	299.2	300.8	302.4	307.2	312.0
42.5°	304.4	304.4	304.0	304.0	303.6	305.2	306.4	308.0	309.2	312.0	314.8
45°	312.8	312.0	311.6	310.8	310.0	309.6	309.6	309.2	308.8	310.4	312.4
47.5°	322.9	320.1	316.8	314.0	310.8	310.0	308.8	308.0	306.8	307.6	308.4
50°	340.6	332.9	325.7	318.1	310.4	308.4	306.4	304.4	302.4	302.0	302.0
52.5°	353.8	342.6	331.3	320.1	308.8	305.2	301.6	298.0	294.3	293.5	293.1
55°	341.0	332.5	324.5	316.0	307.6	302.4	296.7	291.5	285.9	284.7	283.5
57.5°	329.3	324.1	318.9	313.6	308.4	303.2	297.5	292.3	286.7	283.9	281.1
60°	301.6	301.6	302.0	302.0	302.0	296.3	290.7	285.1	279.5	276.6	274.2
62.5°	273.0	277.4	281.5	285.9	289.9	282.3	274.2	266.6	258.5	256.5	254.9
65°	249.3	250.5	252.1	253.3	254.5	248.5	242.5	236.4	230.4	229.2	227.6
67.5°	225.2	224.8	224.4	223.6	223.2	219.5	215.5	211.9	207.9	206.3	204.7
70°	201.9	201.4	201.0	200.2	199.8	196.6	193.4	190.2	187.0	185.8	184.6
72.5°	179.7	179.3	178.5	178.1	177.3	174.5	172.1	169.3	166.5	164.9	163.2
75°	155.6	154.8	154.0	153.2	152.4	150.0	147.6	144.8	142.3	140.7	139.1
77.5°	133.1	131.9	130.7	129.1	127.9	125.9	123.4	121.4	119.0	117.0	115.4
80°	107.4	106.6	105.8	104.5	103.7	101.7	99.7	97.3	95.3	92.9	90.9
82.5°	80.4	80.0	79.2	78.8	78.0	76.0	74.0	72.0	70.0	67.6	65.1
85°	51.9	51.5	51.1	50.7	50.3	48.7	47.4	45.8	44.2	41.8	39.8
87.5°	18.5	17.7	17.3	16.5	15.7	15.3	14.5	14.1	13.3	12.1	10.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597016
 CATALOG NUMBER: MSA-SA3A-835-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597016

CATALOG NUMBER: MSA-SA3A-835-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7
2.5°	911.9	927.2	927.6	927.6	934.9	941.7	927.6	913.6	899.1	885.0	870.9
5°	971.9	977.9	976.3	974.3	965.4	956.6	947.3	938.1	928.8	919.6	920.0
7.5°	832.7	847.6	859.7	871.3	860.1	848.8	842.8	836.8	830.7	824.7	823.9
10°	663.5	667.5	672.3	676.7	669.9	662.6	674.7	686.8	698.4	710.5	697.2
12.5°	616.4	620.0	611.6	602.7	599.9	597.1	594.3	591.1	588.3	585.0	583.4
15°	532.0	525.5	519.1	512.3	510.7	508.6	506.6	504.2	502.2	499.8	492.6
17.5°	460.0	453.6	442.7	431.4	427.0	422.2	421.0	419.8	418.2	417.0	410.1
20°	396.9	392.4	389.6	386.4	382.0	377.6	373.1	368.7	363.9	359.5	353.0
22.5°	380.4	375.6	371.9	367.9	367.1	366.3	358.3	349.8	341.8	333.3	329.7
25°	466.0	467.2	445.1	422.6	420.6	418.6	404.1	389.2	374.7	359.9	347.4
27.5°	503.4	504.6	503.8	503.0	496.6	489.7	465.2	440.3	415.8	390.8	373.1
30°	451.5	467.2	473.3	479.3	474.9	470.0	444.3	419.0	393.2	367.5	355.9
32.5°	327.3	332.9	343.0	352.6	357.9	362.7	354.6	346.6	338.6	330.5	328.5
35°	305.2	309.6	311.6	313.6	310.4	307.2	301.2	295.1	288.7	282.7	281.5
37.5°	311.2	314.8	318.9	322.9	314.0	304.8	298.0	291.5	284.7	277.8	272.2
40°	316.8	321.7	324.1	326.5	317.7	308.8	300.4	292.3	283.9	275.4	269.8
42.5°	317.7	320.5	324.9	329.3	316.8	304.0	296.3	288.3	280.7	272.6	267.0
45°	314.0	315.6	319.7	323.7	309.2	294.3	287.5	280.3	273.4	266.2	261.4
47.5°	308.8	309.6	312.8	315.6	300.4	284.7	278.2	271.8	265.0	258.5	253.7
50°	301.6	301.2	303.6	305.6	289.9	274.2	267.8	261.8	255.3	248.9	244.9
52.5°	292.3	291.5	293.9	295.9	279.5	263.0	257.3	252.1	246.5	240.9	237.6
55°	281.9	280.7	282.7	284.7	268.6	252.1	247.3	242.1	237.2	232.0	229.2
57.5°	277.8	275.0	276.2	277.4	259.3	241.3	236.4	231.6	226.8	222.0	219.9
60°	271.4	268.6	269.8	270.6	251.3	231.6	227.2	222.4	217.9	213.1	211.1
62.5°	252.9	250.9	252.5	254.1	236.8	219.1	215.1	211.5	207.5	203.5	200.6
65°	226.4	224.8	228.0	231.2	216.3	201.4	199.0	196.6	193.8	191.4	188.6
67.5°	203.1	201.4	204.7	207.9	197.0	186.2	183.8	181.3	178.9	176.5	174.9
70°	183.4	182.1	185.0	187.8	178.5	169.3	166.9	164.9	162.4	160.0	158.8
72.5°	161.2	159.6	163.2	166.5	158.8	150.8	148.8	146.4	144.4	141.9	141.1
75°	137.5	135.9	139.1	141.9	136.7	131.1	129.1	127.1	125.1	123.0	122.6
77.5°	113.4	111.4	114.6	117.4	114.2	110.6	109.0	107.0	105.3	103.3	103.3
80°	88.5	86.0	88.5	90.5	89.3	88.1	86.9	85.2	84.0	82.4	82.8
82.5°	62.7	60.3	61.5	62.7	63.5	64.3	64.3	64.3	64.3	64.3	64.3
85°	37.4	35.0	35.4	35.8	37.0	38.2	38.6	39.0	39.4	39.8	40.2
87.5°	9.7	8.4	7.6	6.4	7.6	8.4	9.2	9.7	10.5	10.9	10.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597016
 CATALOG NUMBER: MSA-SA3A-835-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597016

CATALOG NUMBER: MSA-SA3A-835-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7
2.5°	856.9	842.4	828.3	837.2	845.6	854.4	862.9	863.3	863.3	863.7	863.7
5°	920.8	921.2	921.6	913.2	905.1	896.7	888.2	883.8	879.4	874.6	870.1
7.5°	822.7	821.9	820.7	812.6	804.6	796.5	788.5	769.2	749.5	730.2	710.5
10°	683.6	670.3	656.6	653.4	650.6	647.4	644.2	638.9	634.1	628.9	623.6
12.5°	581.8	580.2	578.6	570.2	561.7	552.9	544.4	544.4	544.4	544.4	544.4
15°	484.9	477.7	470.0	466.0	461.6	457.6	453.2	451.1	449.1	447.1	445.1
17.5°	402.9	396.1	388.8	388.0	387.2	386.4	385.6	383.6	381.6	379.6	377.6
20°	346.6	340.2	333.7	336.1	338.6	340.6	343.0	341.0	339.0	336.6	334.5
22.5°	325.7	322.1	318.1	316.0	314.0	311.6	309.6	309.6	310.0	310.0	310.0
25°	335.3	322.9	310.4	304.4	298.4	291.9	285.9	283.5	281.5	279.1	276.6
27.5°	355.4	337.4	319.7	309.2	298.8	288.3	277.8	273.4	268.6	264.2	259.3
30°	343.8	332.1	320.1	308.0	295.9	283.9	271.8	266.2	260.6	254.5	248.9
32.5°	326.5	324.1	322.1	310.8	299.6	287.9	276.6	274.2	272.2	269.8	267.4
35°	279.9	278.6	277.0	274.2	271.4	268.6	265.8	262.6	259.3	256.1	252.9
37.5°	267.0	261.4	255.7	254.5	253.3	252.1	250.9	249.7	248.5	246.9	245.7
40°	264.2	258.5	252.9	250.9	248.9	246.5	244.5	244.9	245.7	246.1	246.5
42.5°	261.0	255.3	249.3	247.7	246.1	244.5	242.9	243.3	244.1	244.5	244.9
45°	256.9	252.1	247.3	244.5	242.1	239.2	236.4	238.8	241.3	243.3	245.7
47.5°	248.9	243.7	238.8	237.2	235.6	233.6	232.0	234.4	236.8	238.8	241.3
50°	240.5	236.4	232.0	231.6	231.2	230.4	230.0	231.6	233.2	234.8	236.4
52.5°	234.0	230.8	227.2	227.2	226.8	226.8	226.4	228.0	229.6	230.8	232.4
55°	226.8	224.0	221.2	221.6	222.4	222.8	223.2	224.8	226.8	228.4	230.0
57.5°	217.5	215.5	213.1	214.7	215.9	217.5	218.7	219.9	221.6	222.8	224.0
60°	208.7	206.7	204.3	205.9	207.9	209.5	211.1	212.3	213.5	214.7	215.9
62.5°	197.8	194.6	191.8	194.2	196.2	198.6	200.6	201.4	202.7	203.5	204.3
65°	186.2	183.4	180.5	182.1	183.8	185.0	186.6	187.8	189.0	190.2	191.4
67.5°	172.9	171.3	169.3	170.5	171.7	172.9	174.1	174.5	174.5	174.9	174.9
70°	157.2	156.0	154.4	155.2	156.4	157.2	158.0	158.0	158.0	157.6	157.6
72.5°	140.7	139.9	139.1	139.5	140.3	140.7	141.1	140.7	140.3	139.9	139.5
75°	122.2	121.8	121.4	121.8	122.6	123.0	123.4	123.0	122.2	121.8	121.0
77.5°	103.7	103.7	103.7	103.7	104.1	104.1	104.1	103.3	102.5	101.7	100.9
80°	83.2	83.6	84.0	84.0	84.0	84.0	84.0	83.2	82.4	81.2	80.4
82.5°	64.3	64.3	64.3	64.3	64.7	64.7	64.7	62.7	61.1	59.1	57.1
85°	40.2	40.6	40.6	41.0	41.4	41.4	41.8	39.0	36.6	33.8	31.0
87.5°	10.9	10.9	10.9	10.9	10.9	10.5	10.5	8.0	5.2	2.8	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
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597016
 CATALOG NUMBER: MSA-SA3A-835-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597016

CATALOG NUMBER: MSA-SA3A-835-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7
2.5°	866.1	868.5	870.5	872.9	873.3	873.7	873.7	874.1	865.7	857.3	848.4
5°	876.2	881.8	887.8	893.4	892.2	891.0	889.8	888.6	886.2	884.2	881.8
7.5°	706.1	702.1	697.6	693.2	696.8	700.4	704.1	707.7	709.3	710.9	712.1
10°	613.6	603.5	593.5	583.4	577.8	571.8	566.1	560.1	559.3	558.9	558.1
12.5°	534.0	523.1	512.7	501.8	498.6	495.0	491.8	488.1	491.4	494.6	497.4
15°	440.7	436.7	432.2	427.8	431.4	435.1	438.7	442.3	445.5	448.3	451.5
17.5°	375.6	373.9	371.9	369.9	373.1	376.8	380.0	383.2	390.4	397.7	404.9
20°	332.9	331.7	330.1	328.5	327.3	325.7	324.5	322.9	333.3	343.4	353.8
22.5°	307.6	305.2	302.8	300.4	300.8	301.2	301.2	301.6	310.0	318.9	327.3
25°	275.8	275.0	274.2	273.4	275.8	278.2	280.3	282.7	290.3	298.0	305.2
27.5°	259.8	260.2	260.6	261.0	264.2	267.8	271.0	274.2	279.5	284.7	289.9
30°	250.9	253.3	255.3	257.3	258.5	259.8	261.0	262.2	267.4	272.2	277.4
32.5°	264.2	261.0	257.3	254.1	255.7	257.7	259.3	261.0	265.8	270.6	275.4
35°	251.7	250.1	248.9	247.3	249.3	251.3	252.9	254.9	259.3	263.4	267.8
37.5°	245.3	244.9	244.5	244.1	245.3	246.5	247.3	248.5	252.5	256.5	260.2
40°	244.9	242.9	241.3	239.2	240.5	241.7	242.5	243.7	248.5	253.3	258.1
42.5°	242.5	240.0	237.2	234.8	236.0	237.6	238.8	240.0	245.3	250.1	255.3
45°	242.1	238.4	234.4	230.8	232.4	234.0	235.6	237.2	241.3	245.3	248.9
47.5°	237.6	234.0	230.4	226.8	227.6	228.4	228.8	229.6	233.2	236.4	240.0
50°	234.0	231.2	228.8	226.0	224.8	224.0	222.8	221.6	224.4	227.2	230.0
52.5°	229.6	226.8	223.6	220.7	219.1	217.5	215.9	214.3	216.7	218.7	221.2
55°	226.8	223.2	219.9	216.3	214.3	212.3	210.3	208.3	209.9	211.1	212.7
57.5°	220.7	217.5	213.9	210.7	208.3	205.9	203.1	200.6	201.4	202.3	203.1
60°	212.7	209.1	205.9	202.3	199.4	196.6	193.4	190.6	191.0	191.8	192.2
62.5°	201.0	197.8	194.2	191.0	187.8	185.0	181.7	178.5	179.3	179.7	180.5
65°	188.2	184.6	181.3	177.7	174.9	172.1	168.9	166.1	166.9	167.7	168.1
67.5°	172.5	169.7	167.3	164.5	162.0	159.2	156.8	154.0	154.4	154.8	155.2
70°	155.6	153.2	151.2	148.8	146.8	144.8	142.7	140.7	140.7	141.1	141.1
72.5°	137.5	135.5	133.5	131.5	129.5	127.9	125.9	123.8	124.6	125.5	125.9
75°	119.0	117.4	115.4	113.4	111.8	110.2	108.2	106.6	107.4	108.2	108.6
77.5°	99.7	98.5	96.9	95.7	94.1	92.5	90.5	88.9	89.7	90.5	90.9
80°	79.6	78.8	77.6	76.8	75.2	73.6	72.0	70.4	70.8	70.8	71.2
82.5°	57.5	57.9	57.9	58.3	57.1	55.5	54.3	52.7	52.7	52.7	52.3
85°	32.2	33.8	35.0	36.2	35.0	33.8	32.6	31.4	31.0	31.0	30.6
87.5°	1.2	2.0	3.2	4.0	3.6	3.2	2.4	2.0	2.4	2.8	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597016
 CATALOG NUMBER: MSA-SA3A-835-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597016
 CATALOG NUMBER: MSA-SA3A-835-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7
2.5°	840.0	846.8	853.6	860.5	867.3	877.8	888.2	899.1	909.9	903.9	897.5
5°	879.4	883.4	887.8	891.8	895.9	907.5	918.8	932.9	946.5	944.9	942.9
7.5°	713.7	719.3	725.0	730.2	735.8	753.5	771.2	786.1	801.0	799.0	796.5
10°	557.3	569.0	581.0	592.7	604.3	618.8	632.9	645.4	657.8	678.7	699.2
12.5°	500.6	518.7	536.8	554.9	573.0	583.4	593.5	609.6	625.7	636.9	648.6
15°	454.4	471.3	488.1	505.0	521.9	522.7	523.5	540.4	557.3	566.9	576.2
17.5°	412.1	421.4	430.6	439.5	448.7	445.5	442.3	450.3	458.0	462.0	466.4
20°	363.9	370.3	376.8	383.2	389.6	394.1	398.1	402.9	407.3	403.3	398.9
22.5°	335.7	345.4	355.4	365.1	374.7	377.6	380.0	377.2	374.3	373.1	371.9
25°	312.8	324.5	336.6	348.2	359.9	365.5	371.1	373.5	375.6	371.1	366.7
27.5°	295.1	309.2	322.9	337.0	350.6	360.7	370.7	373.5	376.0	372.7	369.1
30°	282.3	297.5	312.8	328.1	343.4	358.7	373.5	386.8	399.7	398.5	397.3
32.5°	280.3	290.7	301.2	311.6	322.1	331.7	341.0	341.8	342.2	339.0	335.3
35°	271.8	278.6	285.5	292.3	299.2	305.2	310.8	310.0	309.2	306.0	302.8
37.5°	264.2	271.0	278.2	285.1	291.9	302.4	312.4	310.4	308.0	304.8	301.6
40°	263.0	270.6	278.2	285.5	293.1	302.8	312.4	310.4	308.4	304.4	300.4
42.5°	260.2	267.8	275.0	282.7	289.9	301.6	312.8	309.2	305.2	302.0	298.8
45°	252.9	259.8	266.6	273.4	280.3	292.7	305.2	300.8	296.3	295.1	293.5
47.5°	243.3	250.1	256.9	263.8	270.6	283.1	295.1	291.5	287.5	287.1	286.3
50°	232.8	239.2	246.1	252.5	258.9	271.4	283.5	280.3	277.0	277.4	277.4
52.5°	223.2	229.2	234.8	240.9	246.5	258.9	271.0	268.6	265.8	266.6	267.0
55°	213.9	218.7	223.6	228.4	233.2	245.3	257.3	253.7	250.1	251.3	252.5
57.5°	203.9	207.9	211.9	215.5	219.5	231.6	243.3	239.2	234.8	236.8	238.4
60°	192.6	196.2	199.8	203.1	206.7	217.5	228.0	224.4	220.3	223.2	225.6
62.5°	180.9	183.8	186.6	189.4	192.2	202.3	212.3	209.5	206.7	209.9	212.7
65°	168.9	170.9	173.3	175.3	177.3	187.0	196.2	194.2	192.2	195.0	197.8
67.5°	155.6	157.2	159.2	160.8	162.4	171.3	180.1	178.1	175.7	178.1	180.1
70°	141.1	142.7	143.9	145.6	146.8	154.8	162.8	160.0	156.8	159.2	161.2
72.5°	126.7	127.5	128.7	129.5	130.3	136.3	142.3	139.9	137.5	139.9	141.9
75°	109.4	110.2	111.0	111.8	112.6	117.8	122.6	119.8	116.6	119.0	121.4
77.5°	91.7	92.1	92.9	93.3	93.7	97.3	100.5	97.7	94.5	97.3	100.1
80°	71.2	71.6	72.0	72.0	72.4	73.6	74.8	72.8	70.4	74.0	77.6
82.5°	52.3	51.9	51.9	51.5	51.1	51.1	50.7	49.5	47.8	51.1	54.3
85°	30.2	29.8	29.0	28.5	27.7	26.5	25.3	24.9	24.5	27.3	30.2
87.5°	3.2	2.8	2.0	1.6	0.8	0.4	0.0	0.0	0.0	1.6	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597016
 CATALOG NUMBER: MSA-SA3A-835-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597016

CATALOG NUMBER: MSA-SA3A-835-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7
2.5°	891.4	885.0	879.0	872.9	866.9	860.9	872.1	883.4	894.7	905.9	916.0
5°	941.3	939.3	934.1	929.2	924.0	918.8	921.6	924.8	927.6	930.4	936.5
7.5°	794.5	792.1	803.4	814.2	825.5	836.4	839.2	841.6	844.4	846.8	845.2
10°	720.1	740.7	745.9	750.7	755.9	760.8	768.8	776.8	784.5	792.5	796.9
12.5°	659.8	671.1	689.6	708.5	727.0	745.5	757.5	769.6	781.7	793.7	818.7
15°	585.8	595.1	609.2	623.2	637.3	651.4	668.7	686.4	703.7	721.0	748.3
17.5°	470.4	474.5	484.9	495.4	505.4	515.9	539.2	562.1	585.4	608.4	639.7
20°	394.9	390.4	390.4	390.8	390.8	390.8	414.2	437.1	460.4	483.3	524.7
22.5°	370.3	369.1	364.7	359.9	355.4	350.6	362.7	375.2	387.2	399.3	433.1
25°	361.9	357.5	351.8	346.2	340.6	334.9	342.6	350.2	357.9	365.5	392.0
27.5°	365.9	362.3	365.1	367.5	370.3	372.7	375.2	377.6	380.0	382.4	391.6
30°	396.1	394.9	399.3	403.3	407.7	411.7	406.1	400.9	395.3	389.6	392.8
32.5°	332.1	328.5	326.9	325.3	323.7	322.1	321.7	321.3	320.5	320.1	327.3
35°	299.6	296.3	293.9	291.5	288.7	286.3	287.5	288.3	289.5	290.3	298.4
37.5°	298.4	295.1	292.3	289.5	286.3	283.5	284.7	286.3	287.5	288.7	294.7
40°	296.3	292.3	290.7	289.1	287.5	285.9	286.7	287.5	287.9	288.7	293.1
42.5°	295.1	291.9	291.1	290.3	289.5	288.7	289.5	290.3	290.7	291.5	296.7
45°	292.3	290.7	291.5	292.3	293.1	293.9	293.9	293.9	293.9	293.9	299.6
47.5°	285.9	285.1	287.5	289.9	292.3	294.7	298.8	302.8	306.4	310.4	311.6
50°	277.8	277.8	281.9	285.9	289.5	293.5	303.2	312.4	322.1	331.3	325.3
52.5°	267.8	268.2	274.2	279.9	285.9	291.5	300.4	309.2	317.7	326.5	317.7
55°	253.3	254.5	262.2	269.4	277.0	284.3	291.1	298.0	304.8	311.6	302.4
57.5°	240.5	242.1	250.1	257.7	265.8	273.4	277.4	281.9	285.9	289.9	283.9
60°	228.4	230.8	241.3	251.7	261.8	272.2	269.0	265.8	262.2	258.9	258.5
62.5°	215.9	218.7	228.4	238.0	247.3	256.9	252.1	247.3	242.1	237.2	239.2
65°	200.2	203.1	207.5	211.9	215.9	220.3	219.9	219.9	219.5	219.1	223.2
67.5°	182.5	184.6	187.4	189.8	192.6	195.0	196.6	198.6	200.2	201.9	206.7
70°	163.7	165.7	168.5	170.9	173.7	176.1	178.1	180.1	181.7	183.8	188.6
72.5°	144.4	146.4	149.2	152.0	154.4	157.2	158.8	160.4	161.6	163.2	167.3
75°	123.8	126.3	129.1	131.5	134.3	136.7	137.9	139.1	140.3	141.5	145.2
77.5°	102.9	105.8	108.6	111.4	114.2	117.0	117.4	117.8	118.2	118.6	121.8
80°	80.8	84.4	87.3	90.1	92.9	95.7	95.7	95.7	95.7	95.7	97.3
82.5°	57.5	60.7	63.9	66.7	70.0	72.8	72.8	72.4	72.4	72.0	72.0
85°	33.0	35.8	37.8	40.2	42.2	44.2	44.2	44.2	43.8	43.8	43.0
87.5°	5.2	6.8	7.6	8.8	9.7	10.5	10.1	10.1	9.7	9.2	8.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597016
 CATALOG NUMBER: MSA-SA3A-835-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597016

CATALOG NUMBER: MSA-SA3A-835-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7
2.5°	926.0	936.1	946.1	944.5	942.9	941.3	939.7	945.7	951.3	957.4	963.0
5°	942.1	948.1	953.8	958.2	962.6	967.0	971.5	992.0	1012.1	1032.6	1052.7
7.5°	843.6	841.6	840.0	858.9	878.2	897.1	916.0	942.1	968.2	994.4	1020.5
10°	801.4	805.8	810.2	817.9	825.9	833.5	841.2	866.9	892.6	918.4	944.1
12.5°	843.2	868.1	892.6	898.7	905.1	911.1	917.2	922.4	927.6	932.5	937.7
15°	775.6	803.0	830.3	846.0	861.7	877.0	892.6	932.0	971.1	1010.5	1049.5
17.5°	670.7	702.1	733.0	771.6	810.2	848.8	887.4	923.6	959.8	995.6	1031.8
20°	566.1	607.2	648.6	690.8	732.6	774.8	816.6	852.0	887.4	922.4	957.8
22.5°	466.4	500.2	533.6	585.0	636.1	687.6	738.6	804.6	870.1	936.1	1001.6
25°	418.2	444.7	470.8	523.9	577.0	629.7	682.8	768.4	853.6	939.3	1024.5
27.5°	401.3	410.5	419.8	468.0	515.9	564.1	612.0	704.5	796.9	889.0	981.5
30°	396.1	399.3	402.5	440.3	478.1	515.9	553.7	645.0	736.6	827.9	919.2
32.5°	334.1	341.4	348.2	385.2	421.8	458.8	495.4	587.5	679.1	771.2	862.9
35°	306.4	314.4	322.5	358.7	394.9	430.6	466.8	563.7	661.0	757.9	854.8
37.5°	300.8	306.8	312.8	353.8	394.9	435.9	476.9	575.0	673.1	771.2	869.3
40°	298.0	302.4	306.8	346.6	386.8	426.6	466.4	569.4	671.9	774.8	877.4
42.5°	301.6	306.8	311.6	347.8	383.6	419.8	455.6	562.1	668.3	774.8	881.0
45°	304.8	310.4	315.6	349.4	383.2	417.0	450.7	564.5	677.9	791.7	905.1
47.5°	312.4	313.6	314.4	343.8	372.7	402.1	431.0	546.8	662.6	778.0	893.9
50°	318.9	312.8	306.4	337.0	367.1	397.7	427.8	537.6	647.4	756.7	866.5
52.5°	308.8	299.6	290.7	323.7	356.7	389.2	422.2	532.0	642.1	751.9	861.7
55°	293.5	284.3	275.0	308.4	341.8	375.2	408.5	517.9	627.7	737.0	846.4
57.5°	278.2	272.2	266.2	293.5	321.3	348.6	376.0	494.6	612.8	731.4	849.6
60°	258.1	257.3	256.9	278.2	300.0	321.3	342.6	458.8	574.6	690.8	806.6
62.5°	240.9	242.9	244.5	261.8	279.1	295.9	313.2	425.4	538.0	650.2	762.4
65°	227.6	231.6	235.6	255.3	275.0	294.3	314.0	408.1	502.2	596.3	690.4
67.5°	211.5	216.3	221.2	246.9	272.6	298.4	324.1	401.7	479.3	556.9	634.5
70°	193.0	197.8	202.3	235.2	267.8	300.8	333.3	402.1	471.3	540.0	608.8
72.5°	171.3	175.3	179.3	214.7	250.1	285.5	320.9	379.2	437.5	495.4	553.7
75°	149.2	152.8	156.4	187.0	217.5	248.1	278.6	323.7	368.3	413.4	458.0
77.5°	124.6	127.9	130.7	151.2	171.7	192.2	212.7	247.3	281.5	316.0	350.2
80°	98.9	100.5	102.1	114.2	125.9	137.9	149.6	172.5	195.4	217.9	240.9
82.5°	72.4	72.4	72.4	80.0	88.1	95.7	103.3	115.0	126.3	137.9	149.2
85°	42.2	41.0	40.2	45.4	50.7	55.9	61.1	65.9	70.8	75.6	80.4
87.5°	6.8	5.2	4.0	7.2	10.5	13.7	16.9	18.5	20.5	22.1	23.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597016
 CATALOG NUMBER: MSA-SA3A-835-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597016

CATALOG NUMBER: MSA-SA3A-835-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7
2.5°	949.3	936.1	922.4	908.7	928.8	948.9	969.0	989.1	1042.6	1074.4	1076.4
5°	1069.6	1086.5	1103.3	1120.2	1137.1	1154.0	1170.5	1187.4	1274.2	1327.7	1337.8
7.5°	1048.3	1076.4	1104.1	1131.9	1179.7	1227.6	1275.4	1323.3	1396.9	1449.9	1484.9
10°	978.7	1013.3	1047.9	1082.4	1139.1	1196.2	1252.9	1309.6	1387.6	1457.6	1491.0
12.5°	992.8	1047.9	1102.5	1157.6	1206.7	1256.1	1305.2	1354.2	1408.1	1434.7	1495.4
15°	1087.7	1125.9	1164.1	1202.3	1276.2	1349.8	1423.8	1497.4	1527.9	1588.7	1643.4
17.5°	1102.1	1172.1	1242.5	1312.4	1402.9	1493.4	1583.8	1674.3	1731.0	1809.4	1875.4
20°	1057.1	1156.0	1255.3	1354.2	1470.9	1587.9	1704.5	1821.1	1893.0	1959.0	2061.1
22.5°	1111.0	1220.3	1329.3	1438.7	1593.5	1747.9	1902.7	2057.1	2207.5	2354.7	2423.8
25°	1170.5	1316.9	1462.8	1608.8	1802.2	1995.2	2188.6	2381.6	2575.0	2712.9	2792.5
27.5°	1128.7	1275.4	1422.6	1569.4	1808.6	2048.3	2287.5	2526.7	2733.8	2899.9	2968.2
30°	1099.3	1279.5	1459.6	1639.7	1920.4	2201.1	2481.7	2762.4	2953.8	3139.1	3239.7
32.5°	1094.1	1325.3	1556.1	1787.3	2114.2	2440.7	2767.6	3094.1	3221.2	3385.6	3521.1
35°	1108.6	1362.7	1616.4	1870.1	2244.9	2619.6	2994.0	3368.7	3549.3	3712.1	3830.7
37.5°	1152.8	1436.3	1719.3	2002.8	2454.4	2906.3	3357.9	3809.4	4112.2	4410.1	4463.2
40°	1177.7	1478.5	1778.9	2079.2	2604.4	3129.5	3654.6	4179.7	4528.0	4854.9	4877.0
42.5°	1207.1	1533.2	1858.9	2185.0	2767.2	3349.8	3932.1	4514.3	4945.3	5296.8	5307.2
45°	1240.9	1576.2	1911.9	2247.3	2855.3	3462.8	4070.8	4678.3	5199.5	5626.5	5522.3
47.5°	1254.1	1614.8	1975.1	2335.4	2983.5	3631.3	4279.5	4927.2	5394.9	5783.3	5683.6
50°	1259.4	1652.6	2045.4	2438.3	3109.8	3781.7	4453.2	5124.7	5600.3	5979.1	5826.3
52.5°	1291.9	1722.2	2152.4	2582.6	3282.3	3981.9	4681.6	5381.2	5849.2	6213.1	6023.3
55°	1335.7	1825.1	2314.0	2803.4	3527.6	4251.3	4975.5	5699.3	6168.9	6507.5	6272.2
57.5°	1376.4	1903.5	2430.2	2957.0	3707.3	4458.0	5208.3	5958.6	6434.3	6769.2	6541.2
60°	1356.7	1906.7	2456.8	3006.8	3744.3	4481.3	5218.8	5955.8	6495.8	6897.5	6780.9
62.5°	1297.1	1831.9	2366.3	2901.1	3601.1	4300.8	5000.8	5700.5	6332.5	6847.6	6842.4
65°	1182.6	1674.7	2166.5	2658.6	3306.4	3954.6	4602.3	5250.1	5995.2	6620.8	6661.5
67.5°	1043.0	1451.6	1860.1	2268.6	2878.6	3488.6	4098.5	4708.5	5505.0	6195.4	6230.4
70°	907.9	1207.5	1506.6	1805.8	2341.4	2877.0	3412.2	3947.7	4752.3	5450.8	5482.9
72.5°	749.5	945.3	1140.7	1336.6	1770.4	2204.3	2637.7	3071.6	3778.1	4315.3	4496.6
75°	574.2	690.4	806.6	922.8	1273.8	1624.9	1975.5	2326.5	2796.1	3192.6	3396.9
77.5°	410.5	470.8	531.2	591.5	889.8	1188.2	1486.1	1784.5	2031.4	2256.1	2394.1
80°	269.4	297.5	326.1	354.2	602.3	850.4	1098.1	1346.2	1496.6	1617.2	1686.8
82.5°	163.2	177.3	191.0	205.1	406.1	607.2	807.8	1008.8	1094.9	1152.4	1214.3
85°	88.1	95.7	103.3	111.0	240.0	368.7	497.8	626.5	634.9	641.7	733.8
87.5°	25.7	28.1	30.2	32.2	53.1	74.4	95.3	116.2	72.4	45.0	92.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597016
 CATALOG NUMBER: MSA-SA3A-835-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597016

CATALOG NUMBER: MSA-SA3A-835-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7
2.5°	1064.7	1059.5	1054.3	1048.7	1043.4	1021.3	999.6	977.5	955.4	976.7	997.6
5°	1326.1	1342.2	1357.9	1373.9	1390.0	1391.2	1392.0	1393.2	1394.1	1398.1	1402.1
7.5°	1514.3	1542.8	1571.0	1599.5	1628.1	1650.2	1672.3	1694.8	1716.9	1696.8	1676.7
10°	1530.4	1590.7	1651.0	1711.3	1771.6	1782.5	1792.9	1803.8	1814.6	1829.1	1843.2
12.5°	1546.4	1620.0	1693.2	1766.8	1840.4	1872.5	1904.3	1936.5	1968.2	1983.9	1999.2
15°	1716.5	1760.0	1803.0	1846.4	1889.4	1911.5	1933.3	1955.4	1977.5	1990.8	2003.6
17.5°	1935.3	1951.4	1967.0	1983.1	1999.2	2014.1	2029.0	2043.8	2058.7	2061.1	2063.5
20°	2134.7	2137.9	2140.7	2144.0	2146.8	2115.4	2084.4	2053.1	2021.7	2027.3	2032.6
22.5°	2433.9	2416.2	2398.9	2381.2	2363.9	2304.8	2246.1	2187.0	2128.3	2102.9	2078.0
25°	2884.2	2839.2	2794.1	2749.1	2704.1	2610.0	2516.3	2422.2	2328.5	2273.4	2218.7
27.5°	3029.4	2931.3	2833.5	2735.4	2637.3	2566.2	2495.4	2424.2	2353.4	2266.2	2178.9
30°	3322.9	3168.1	3013.7	2858.9	2704.1	2635.3	2566.6	2497.4	2428.6	2339.4	2250.5
32.5°	3583.0	3422.2	3261.4	3100.1	2939.3	2809.0	2678.7	2548.5	2418.2	2357.9	2297.6
35°	3884.2	3682.0	3479.7	3277.5	3075.2	2963.4	2852.0	2740.3	2628.9	2537.6	2446.7
37.5°	4322.9	4107.8	3892.7	3677.1	3462.0	3310.8	3160.0	3008.9	2858.1	2807.8	2757.9
40°	4741.1	4486.9	4233.2	3979.1	3725.4	3609.6	3493.8	3377.6	3261.8	3176.9	3092.1
42.5°	5091.3	4840.0	4589.1	4337.8	4086.9	4002.4	3918.4	3833.9	3749.9	3679.9	3610.0
45°	5211.5	5006.4	4801.8	4596.7	4391.6	4361.9	4332.5	4302.8	4273.4	4221.6	4169.7
47.5°	5404.9	5195.8	4987.1	4778.1	4569.0	4579.8	4590.7	4601.9	4612.8	4615.6	4618.0
50°	5518.7	5320.1	5121.8	4923.2	4725.0	4777.7	4829.9	4882.6	4935.3	5054.7	5173.7
52.5°	5684.8	5489.8	5295.2	5100.1	4905.1	4994.4	5083.2	5172.5	5261.4	5428.6	5595.9
55°	5893.1	5706.5	5520.3	5333.8	5147.6	5234.4	5320.9	5407.7	5494.2	5680.4	5866.5
57.5°	6169.3	5969.5	5770.0	5570.2	5370.7	5450.8	5530.4	5610.4	5690.0	5866.9	6043.8
60°	6483.7	6266.6	6049.5	5831.9	5614.8	5636.9	5658.6	5680.8	5702.5	5894.3	6085.7
62.5°	6638.1	6437.1	6236.4	6035.4	5834.4	5772.8	5711.3	5649.4	5587.9	5759.6	5930.9
65°	6504.2	6365.9	6228.0	6089.7	5951.4	5842.8	5734.6	5626.1	5517.5	5624.9	5731.8
67.5°	6078.0	5999.6	5921.6	5843.2	5764.8	5582.6	5400.5	5217.9	5035.8	5043.0	5049.9
70°	5387.2	5366.3	5345.8	5324.9	5304.0	5030.2	4756.7	4482.9	4209.1	4167.3	4125.5
72.5°	4511.9	4525.5	4538.8	4552.5	4566.2	4271.8	3977.5	3683.2	3388.8	3319.3	3249.7
75°	3494.6	3570.2	3645.8	3721.8	3797.4	3515.9	3234.4	2952.6	2671.1	2585.5	2499.8
77.5°	2469.2	2610.4	2751.1	2892.2	3033.4	2778.9	2524.7	2270.2	2015.7	1960.2	1904.7
80°	1721.8	1790.9	1860.1	1929.2	1998.4	1870.5	1742.7	1614.8	1486.9	1502.2	1517.1
82.5°	1254.1	1270.2	1285.9	1302.0	1318.1	1265.8	1213.5	1160.8	1108.6	1148.4	1188.2
85°	803.4	860.9	918.0	975.5	1032.6	974.7	916.8	858.5	800.6	827.1	853.6
87.5°	179.7	284.3	388.8	493.8	598.3	542.0	486.1	429.8	373.5	348.2	323.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597016
 CATALOG NUMBER: MSA-SA3A-835-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597016

CATALOG NUMBER: MSA-SA3A-835-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7
2.5°	1018.9	1040.2	1033.8	1027.7	1021.3	1014.9	1026.5	1038.2	1050.3	1061.9	1057.9
5°	1406.5	1410.5	1372.3	1334.5	1296.3	1258.1	1281.9	1305.6	1329.3	1353.0	1344.6
7.5°	1656.6	1636.5	1614.4	1592.3	1569.8	1547.7	1542.8	1538.0	1532.8	1527.9	1521.5
10°	1857.7	1871.7	1857.3	1843.2	1828.7	1814.2	1780.5	1746.7	1712.5	1678.7	1664.7
12.5°	2014.9	2030.6	2034.2	2037.4	2041.0	2044.6	2006.8	1969.4	1931.7	1893.9	1859.7
15°	2016.9	2030.2	2041.8	2053.1	2064.7	2076.0	2052.7	2029.8	2006.4	1983.1	1972.3
17.5°	2066.4	2068.8	2059.1	2049.9	2040.2	2031.0	2021.7	2012.9	2003.6	1994.8	1977.5
20°	2038.2	2043.8	2042.6	2041.4	2039.8	2038.6	2039.4	2039.8	2040.6	2041.0	2031.4
22.5°	2052.7	2027.3	2032.6	2037.4	2042.6	2047.5	2061.9	2076.4	2091.3	2105.8	2144.4
25°	2163.7	2108.6	2100.1	2092.1	2083.6	2075.6	2113.4	2150.8	2188.6	2226.4	2289.1
27.5°	2091.3	2004.0	1984.7	1965.4	1946.1	1926.8	1984.3	2041.4	2098.9	2156.4	2220.4
30°	2161.2	2072.4	2029.8	1987.1	1944.1	1901.5	1956.6	2011.3	2066.4	2121.0	2191.8
32.5°	2237.2	2176.9	2148.4	2120.2	2091.7	2063.5	2068.0	2072.4	2076.8	2081.2	2180.9
35°	2355.5	2264.2	2236.0	2207.9	2179.7	2151.6	2198.6	2245.3	2292.3	2339.0	2423.4
37.5°	2707.7	2657.4	2606.8	2556.1	2505.0	2454.4	2482.1	2509.9	2537.6	2565.3	2645.0
40°	3007.2	2922.4	2914.0	2905.9	2897.5	2889.0	2891.4	2893.5	2895.9	2898.3	2966.2
42.5°	3539.6	3469.7	3426.6	3383.6	3340.6	3297.6	3294.7	3291.9	3288.7	3285.9	3337.0
45°	4117.4	4065.6	4033.4	4001.2	3968.6	3936.5	3885.4	3834.3	3782.9	3731.8	3776.4
47.5°	4620.8	4623.7	4682.0	4739.9	4798.2	4856.5	4769.2	4682.0	4594.7	4507.5	4450.0
50°	5293.1	5412.2	5426.2	5439.9	5454.0	5468.1	5320.1	5172.5	5024.5	4876.6	4816.3
52.5°	5763.6	5930.9	5909.1	5887.8	5866.1	5844.4	5758.8	5673.5	5587.9	5502.2	5370.7
55°	6053.1	6239.3	6222.8	6206.7	6190.2	6173.7	6111.4	6049.1	5986.7	5924.4	5780.1
57.5°	6220.8	6397.7	6402.5	6407.3	6412.2	6417.0	6400.5	6384.0	6367.5	6351.0	6163.3
60°	6277.5	6469.3	6471.3	6472.9	6474.9	6476.5	6450.4	6424.2	6397.7	6371.6	6248.9
62.5°	6102.6	6273.8	6281.5	6288.7	6296.4	6304.0	6285.9	6267.8	6249.7	6231.6	6140.8
65°	5839.2	5946.5	5948.6	5950.2	5952.2	5954.2	5908.3	5862.9	5817.1	5771.2	5749.5
67.5°	5057.1	5064.3	5107.0	5149.6	5192.2	5234.8	5238.5	5242.1	5246.1	5249.7	5218.4
70°	4083.6	4041.8	4088.1	4134.3	4180.6	4226.8	4246.5	4266.2	4286.3	4306.0	4320.5
72.5°	3179.7	3110.2	3144.4	3178.5	3213.1	3247.3	3217.9	3188.6	3159.2	3129.9	3222.8
75°	2414.2	2328.5	2324.1	2320.1	2315.6	2311.6	2296.7	2281.9	2266.6	2251.7	2338.6
77.5°	1848.8	1793.3	1796.1	1798.6	1801.4	1803.8	1788.5	1773.6	1758.3	1743.1	1776.4
80°	1532.4	1547.3	1547.7	1548.1	1548.5	1548.9	1534.4	1520.3	1505.8	1491.4	1467.2
82.5°	1228.4	1268.2	1267.8	1267.8	1267.4	1267.0	1266.2	1265.4	1264.2	1263.4	1224.0
85°	880.2	906.7	879.4	852.0	824.7	797.3	817.5	837.6	858.1	878.2	861.7
87.5°	298.0	273.0	240.5	208.3	175.7	143.1	178.1	213.1	248.5	283.5	303.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597016
 CATALOG NUMBER: MSA-SA3A-835-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597016

CATALOG NUMBER: MSA-SA3A-835-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7	873.7
2.5°	1054.3	1050.3	1046.6	1021.3	995.6	970.2	944.5	991.2	1038.2	1084.8	1131.5
5°	1336.6	1328.1	1320.1	1318.1	1316.0	1313.6	1311.6	1335.3	1359.1	1382.4	1406.1
7.5°	1515.1	1508.6	1502.2	1485.3	1468.8	1452.0	1435.1	1449.5	1463.6	1478.1	1492.2
10°	1651.0	1636.9	1622.8	1586.3	1550.1	1513.5	1476.9	1466.0	1455.2	1444.3	1433.5
12.5°	1825.5	1790.9	1756.7	1715.3	1673.5	1632.1	1590.3	1584.6	1579.0	1573.8	1568.2
15°	1961.8	1951.0	1940.1	1907.1	1874.2	1841.2	1808.2	1764.0	1719.3	1675.1	1630.9
17.5°	1960.6	1943.3	1926.4	1970.7	2014.5	2058.7	2102.5	2055.5	2008.0	1961.0	1914.0
20°	2021.7	2011.7	2002.0	2083.6	2164.9	2246.5	2327.7	2302.0	2275.8	2250.1	2224.0
22.5°	2182.6	2221.2	2259.4	2329.3	2398.9	2468.8	2538.4	2567.8	2597.1	2626.5	2655.8
25°	2351.4	2414.2	2476.9	2581.0	2684.8	2788.9	2893.1	2914.0	2934.9	2955.8	2976.7
27.5°	2283.9	2347.8	2411.7	2490.6	2569.0	2647.8	2726.2	2817.9	2909.9	3001.6	3093.3
30°	2262.2	2332.9	2403.3	2511.5	2619.2	2727.4	2835.6	2961.8	3088.1	3213.9	3340.2
32.5°	2280.3	2380.0	2479.7	2626.1	2772.0	2918.4	3064.7	3197.4	3330.5	3463.2	3595.9
35°	2507.4	2591.9	2675.9	2839.6	3003.2	3166.9	3330.5	3486.1	3641.7	3797.0	3952.6
37.5°	2724.2	2803.8	2883.4	3050.7	3217.5	3384.8	3552.1	3797.8	4043.8	4289.5	4535.2
40°	3033.8	3101.7	3169.3	3312.4	3455.6	3598.7	3741.9	4038.2	4334.6	4630.9	4927.2
42.5°	3387.6	3438.7	3489.4	3637.7	3786.1	3934.5	4082.8	4405.3	4728.2	5050.7	5373.2
45°	3820.7	3865.3	3909.9	4012.1	4114.2	4216.7	4318.9	4651.4	4983.9	5316.5	5649.0
47.5°	4392.5	4335.0	4277.5	4327.7	4378.0	4428.2	4478.5	4807.4	5136.3	5464.8	5793.7
50°	4755.9	4695.6	4635.3	4639.7	4643.8	4648.2	4652.6	4959.4	5266.2	5572.6	5879.4
52.5°	5239.3	5107.4	4975.9	4974.7	4973.5	4971.9	4970.7	5238.1	5505.8	5773.2	6040.6
55°	5635.7	5491.4	5347.0	5318.9	5290.7	5262.2	5234.0	5498.6	5762.8	6027.4	6291.5
57.5°	5975.5	5787.3	5599.5	5555.3	5511.1	5466.8	5422.6	5707.7	5993.2	6278.3	6563.3
60°	6126.7	6004.0	5881.8	5827.5	5773.2	5719.0	5664.7	5907.5	6150.4	6392.9	6635.7
62.5°	6050.3	5959.4	5868.9	5881.4	5893.9	5906.3	5918.8	6057.5	6196.6	6335.4	6474.1
65°	5728.2	5706.5	5685.2	5785.7	5886.2	5986.7	6087.3	6089.3	6091.3	6093.3	6095.3
67.5°	5187.0	5155.6	5124.3	5333.3	5542.0	5751.1	5960.2	5860.9	5761.6	5662.7	5563.3
70°	4334.6	4349.0	4363.1	4647.8	4932.1	5216.7	5501.4	5357.5	5213.1	5069.2	4924.8
72.5°	3315.7	3408.9	3501.8	3797.0	4092.1	4387.2	4682.4	4517.9	4353.0	4188.6	4023.7
75°	2425.4	2512.3	2599.1	2890.6	3182.2	3474.1	3765.6	3570.2	3374.8	3179.7	2984.3
77.5°	1809.8	1843.6	1877.0	2119.4	2361.5	2603.9	2846.0	2649.8	2453.6	2257.7	2061.5
80°	1443.5	1419.4	1395.7	1530.0	1664.3	1798.6	1932.9	1793.7	1654.2	1515.1	1376.0
82.5°	1185.0	1145.6	1106.6	1156.4	1206.3	1256.5	1306.4	1195.0	1083.6	972.3	860.9
85°	845.2	828.7	812.2	826.7	840.8	855.2	869.7	761.2	652.6	544.4	435.9
87.5°	323.3	343.4	363.5	386.4	408.9	431.8	454.4	355.9	257.3	159.2	60.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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):

	357.5°	360°
0°	873.7	873.7
2.5°	1150.8	1170.1
5°	1405.7	1405.3
7.5°	1485.7	1478.9
10°	1415.8	1398.1
12.5°	1515.9	1463.2
15°	1578.6	1525.9
17.5°	1834.7	1755.1
20°	2129.5	2034.6
22.5°	2511.5	2367.1
25°	2804.2	2631.3
27.5°	2990.8	2887.8
30°	3222.4	3104.6
32.5°	3509.1	3421.8
35°	3873.0	3792.9
37.5°	4510.3	4484.9
40°	4897.1	4866.5
42.5°	5374.4	5375.2
45°	5667.1	5685.2
47.5°	5839.6	5885.0
50°	5977.1	6074.4
52.5°	6173.7	6306.8
55°	6468.5	6645.0
57.5°	6713.7	6864.1
60°	6713.7	6791.3
62.5°	6472.1	6469.7
65°	6057.9	6020.1
67.5°	5515.9	5468.5
70°	4850.8	4776.5
72.5°	3931.7	3839.2
75°	2857.7	2730.6
77.5°	2001.2	1940.5
80°	1405.3	1434.7
82.5°	902.7	944.5
85°	429.4	423.0
87.5°	50.7	40.6
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0



REPORT NUMBER: P597016
CATALOG NUMBER: MSA-SA3A-835-U-SLR

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	0.0	0.0
115°	0.0	0.0
117.5°	0.0	0.0
120°	0.0	0.0
122.5°	0.0	0.0
125°	0.0	0.0
127.5°	0.0	0.0
130°	0.0	0.0
132.5°	0.0	0.0
135°	0.0	0.0
137.5°	0.0	0.0
140°	0.0	0.0
142.5°	0.0	0.0
145°	0.0	0.0
147.5°	0.0	0.0
150°	0.0	0.0
152.5°	0.0	0.0
155°	0.0	0.0
157.5°	0.0	0.0
160°	0.0	0.0
162.5°	0.0	0.0
165°	0.0	0.0
167.5°	0.0	0.0
170°	0.0	0.0
172.5°	0.0	0.0
175°	0.0	0.0
177.5°	0.0	0.0
180°	0.0	0.0

(END OF REPORT)