

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: P597038

Luminaire Tested: **MSA-SA3B-835-U-SLR**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P597038
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-SA3B-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: 10382 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

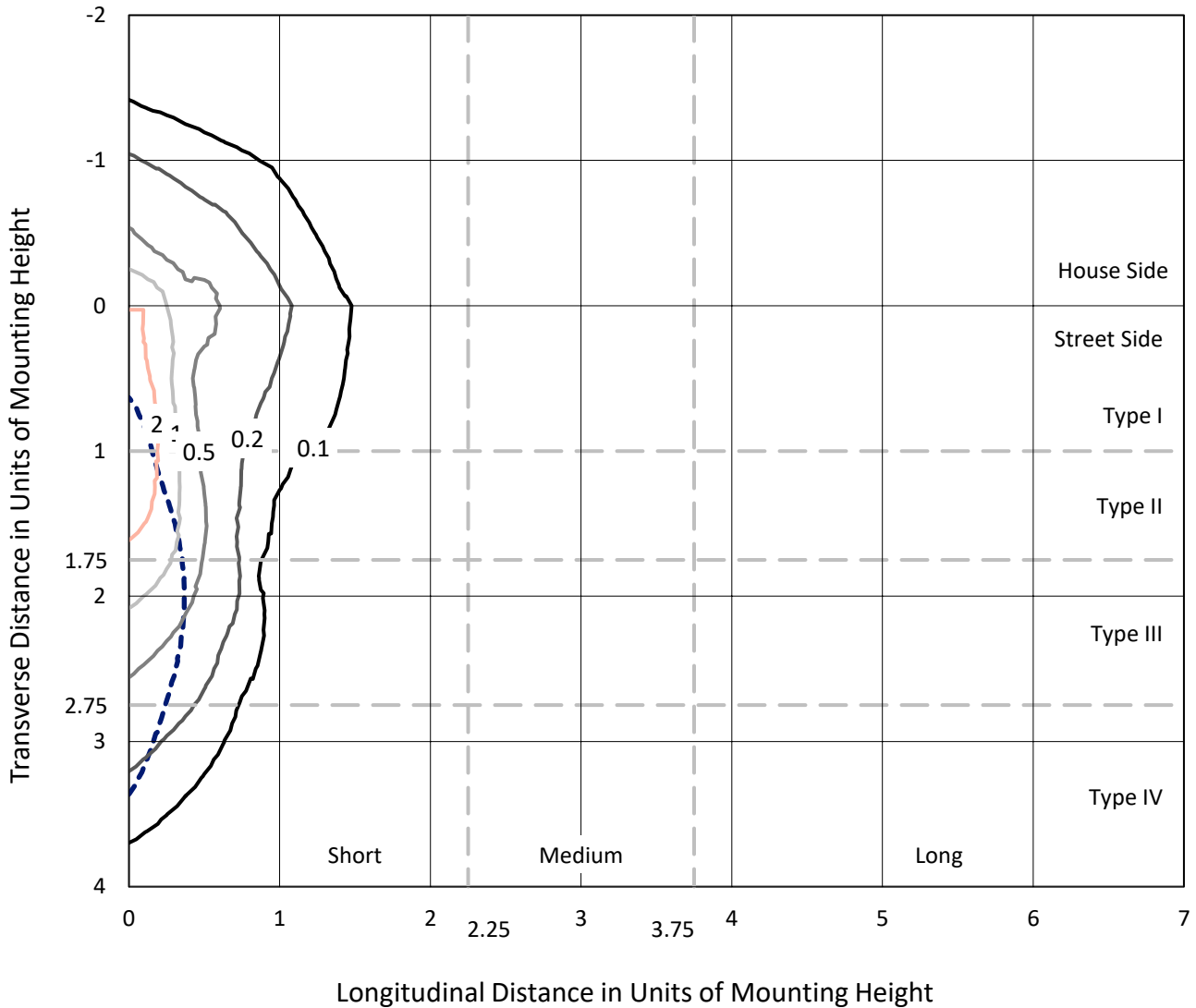
Input Watts (W): 126
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

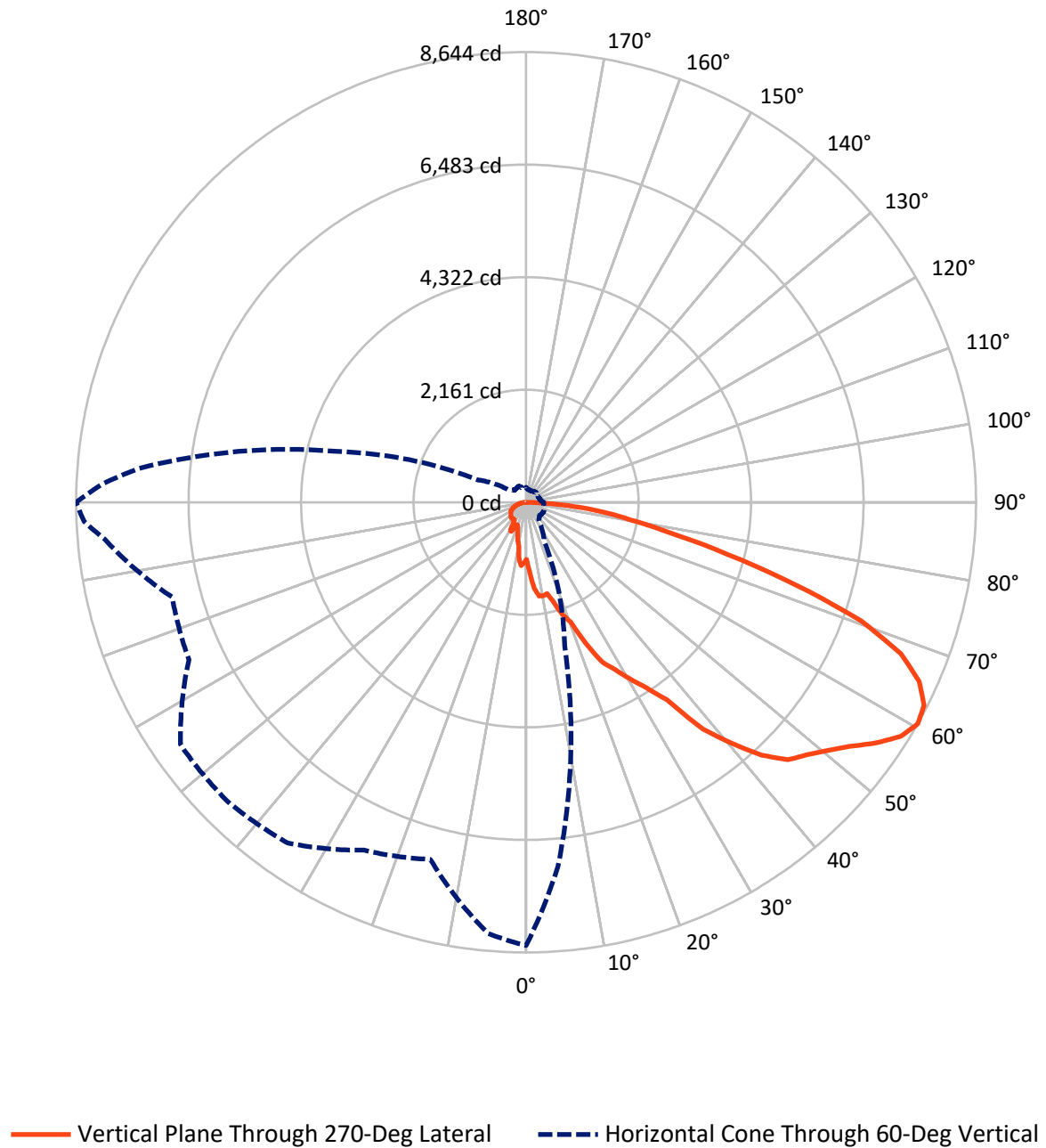
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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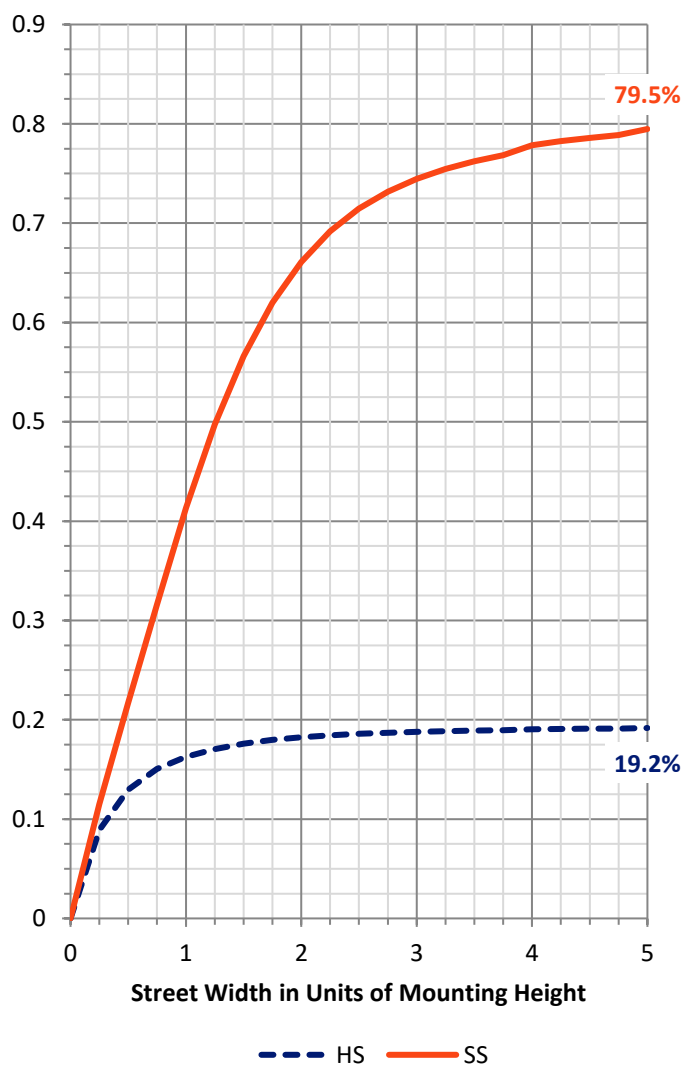
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2010.8	0.0	2010.8
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	8371.2	0.0	8371.2
	% Fixture	80.6	0.0	80.6
Total	Lumens	10382.0	0.0	10382.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.5	1.2
10°-20°	364.8	3.5
20°-30°	644.0	6.2
30°-40°	1003.0	9.7
40°-50°	1651.2	15.9
50°-60°	2356.9	22.7
60°-70°	2499.1	24.1
70°-80°	1380.3	13.3
80°-90°	357.1	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°	10382.0	100.0
0°-180°	10382.0	100.0

Coefficient of Utilization



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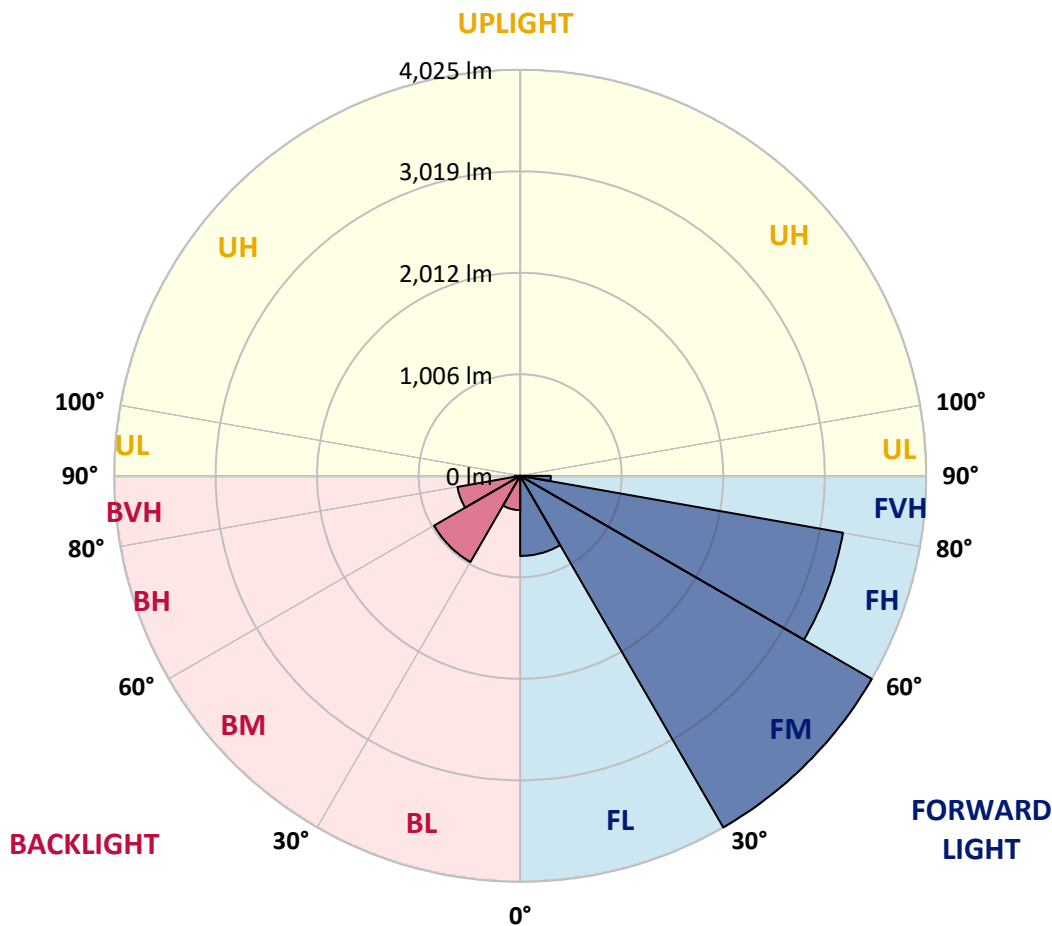
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	794.4	7.7			
FM (30°-60°)	4024.7	38.8			
FH (60°-80°)	3248.6	31.3			G2/5000
FVH (80°-90°)	303.5	2.9			G3/500
BL (0°-30°)	339.9	3.3	B1/500		
BM (30°-60°)	986.3	9.5	B1/1000		
BH (60°-80°)	630.9	6.1	B2/1000		G2/1000
BVH (80°-90°)	53.6	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°	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0
2.5°	1466.4	1475.5	1484.1	1466.9	1449.8	1432.2	1415.0	1389.3	1363.1	1337.4	1311.2
5°	1761.2	1728.0	1694.2	1680.6	1667.5	1653.9	1640.3	1627.7	1615.1	1602.0	1589.4
7.5°	1853.4	1806.1	1758.2	1738.0	1717.9	1697.2	1677.1	1631.7	1586.4	1540.5	1495.1
10°	1752.1	1702.8	1652.9	1633.2	1613.1	1593.4	1573.3	1517.8	1462.9	1407.5	1352.0
12.5°	1833.8	1783.4	1732.5	1670.0	1607.5	1544.5	1482.0	1451.3	1420.6	1389.3	1358.6
15°	1912.4	1844.4	1775.8	1713.3	1650.9	1587.9	1525.4	1463.9	1402.4	1340.9	1279.5
17.5°	2199.6	2086.3	1972.9	1860.0	1746.6	1633.7	1520.3	1449.3	1377.7	1306.7	1235.1
20°	2549.9	2392.1	2233.9	2062.6	1890.7	1719.4	1547.6	1457.9	1368.7	1279.0	1189.3
22.5°	2966.6	2767.6	2568.5	2352.3	2136.1	1919.5	1703.3	1573.3	1443.2	1312.7	1182.7
25°	3297.7	3106.2	2914.7	2640.6	2366.4	2092.3	1818.2	1670.5	1522.9	1374.7	1227.1
27.5°	3619.2	3314.3	3008.9	2695.0	2381.6	2067.6	1753.7	1617.1	1480.5	1344.0	1207.4
30°	3890.8	3648.9	3407.0	2997.3	2587.7	2177.5	1767.8	1600.0	1432.2	1264.3	1096.5
32.5°	4288.4	3943.2	3597.5	3170.2	2742.9	2315.5	1888.2	1673.5	1458.9	1244.2	1029.5
35°	4753.5	4394.7	4035.9	3507.3	2979.2	2450.6	1922.0	1694.7	1466.9	1239.7	1011.9
37.5°	5620.8	4988.4	4355.4	3778.4	3201.4	2623.9	2046.9	1782.9	1518.8	1254.3	990.2
40°	6099.0	5514.5	4929.9	4210.8	3491.7	2772.1	2053.0	1782.9	1512.3	1242.2	971.6
42.5°	6736.5	5997.2	5257.5	4479.9	3702.8	2925.3	2147.7	1848.4	1549.1	1249.2	949.9
45°	7125.0	6301.1	5476.7	4645.7	3814.7	2983.7	2152.8	1848.9	1545.0	1241.2	937.3
47.5°	7375.5	6584.3	5792.6	4898.2	4003.7	3108.7	2214.2	1891.7	1568.7	1246.2	923.2
50°	7612.8	6829.2	6045.1	5116.4	4188.1	3259.4	2330.7	1978.4	1626.2	1273.4	921.2
52.5°	7904.1	7182.5	6460.3	5464.1	4467.3	3471.0	2474.3	2090.8	1707.3	1323.8	940.3
55°	8327.9	7616.8	6905.3	5836.0	4766.1	3696.8	2627.0	2201.1	1775.8	1350.0	924.2
57.5°	8602.5	7881.4	7160.3	6069.8	4979.3	3888.3	2797.8	2326.1	1854.4	1382.3	910.6
60°	8511.3	7767.5	7023.2	5983.6	4944.0	3904.4	2864.8	2355.3	1846.4	1336.9	827.4
62.5°	8108.2	7317.5	6526.8	5595.6	4664.8	3733.6	2802.3	2284.3	1766.8	1248.7	730.7
65°	7544.8	6727.4	5909.5	5069.5	4229.4	3389.4	2549.4	2079.2	1608.5	1138.4	667.7
67.5°	6853.4	6001.3	5148.6	4404.8	3661.0	2916.7	2172.9	1779.9	1387.3	994.2	601.2
70°	5986.1	5148.6	4311.1	3667.6	3024.1	2380.5	1737.0	1441.2	1145.9	850.1	554.3
72.5°	4811.5	4088.9	3366.2	2859.8	2353.3	1846.9	1340.4	1134.8	929.7	724.1	518.5
75°	3422.2	2997.3	2572.5	2178.5	1784.4	1389.8	995.8	862.7	729.7	596.6	463.6
77.5°	2431.9	2181.5	1931.0	1622.1	1313.2	1004.3	695.4	617.3	539.7	461.6	383.5
80°	1798.0	1588.9	1379.7	1146.9	914.1	681.3	448.5	410.2	372.4	334.1	295.8
82.5°	1183.7	1089.5	994.7	810.3	625.9	441.4	257.0	242.9	228.8	214.7	200.6
85°	530.1	559.9	589.1	476.2	362.8	249.9	136.6	130.0	123.5	116.9	110.4
87.5°	50.9	75.1	99.3	85.2	70.5	56.4	41.8	41.3	41.3	40.8	40.3
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



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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°	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0
2.5°	1318.3	1325.3	1332.4	1339.4	1331.9	1324.3	1316.3	1308.7	1299.1	1289.5	1279.5
5°	1568.2	1546.5	1525.4	1503.7	1471.5	1439.2	1406.5	1374.2	1370.2	1365.6	1361.6
7.5°	1455.3	1416.0	1376.2	1336.4	1286.0	1236.1	1185.7	1135.3	1120.2	1105.1	1090.0
10°	1325.3	1298.1	1271.4	1244.2	1212.9	1181.7	1150.0	1118.7	1077.4	1035.6	994.2
12.5°	1314.2	1269.9	1225.0	1180.7	1161.5	1142.4	1123.3	1104.1	1067.8	1031.5	994.7
15°	1243.7	1207.4	1171.6	1135.3	1107.6	1079.9	1052.2	1024.5	995.3	965.5	936.3
17.5°	1193.8	1152.5	1111.2	1069.8	1038.1	1006.3	974.1	942.3	907.1	871.3	836.0
20°	1141.9	1095.0	1047.7	1000.3	960.0	920.2	879.9	839.5	800.7	762.4	723.6
22.5°	1120.7	1058.7	996.8	934.8	892.5	849.6	807.3	764.5	728.7	692.9	657.1
25°	1153.0	1079.4	1005.3	931.3	874.3	816.9	759.9	702.5	672.7	643.0	612.8
27.5°	1115.2	1022.5	930.2	837.5	776.5	715.1	654.1	592.6	588.1	583.5	578.5
30°	999.3	902.0	804.8	707.5	651.6	595.1	539.2	482.8	472.2	461.1	450.5
32.5°	930.2	831.0	731.7	632.4	582.5	532.1	482.3	431.9	419.8	407.7	395.6
35°	904.0	796.2	688.4	580.5	537.7	494.9	452.0	409.2	400.6	392.6	384.0
37.5°	882.9	776.0	668.7	561.4	520.1	478.7	436.9	395.6	389.0	382.5	375.9
40°	862.7	754.4	645.5	536.7	499.9	463.6	426.8	390.0	386.0	382.0	377.4
42.5°	844.6	739.3	633.4	528.1	495.4	463.1	430.4	397.6	393.6	389.5	385.5
45°	834.5	731.7	628.9	526.1	502.4	478.7	454.5	430.9	421.3	411.7	401.6
47.5°	826.9	730.7	634.4	538.2	513.5	488.8	464.1	439.4	430.9	422.3	413.2
50°	828.5	736.2	643.5	550.8	521.1	490.8	461.1	430.9	429.8	428.8	427.8
52.5°	842.1	744.3	646.0	547.8	515.5	483.3	450.5	418.3	424.8	430.9	437.4
55°	822.4	720.6	618.3	516.5	485.8	455.5	424.8	394.1	402.6	410.7	419.3
57.5°	800.2	689.9	579.5	469.2	446.0	422.8	399.1	375.9	385.0	394.6	403.6
60°	726.7	625.9	525.1	424.3	408.7	393.1	377.4	361.8	365.9	369.9	373.9
62.5°	646.0	560.9	476.2	391.0	379.0	366.4	354.3	341.7	341.7	342.2	342.2
65°	594.6	521.6	448.5	375.4	361.8	348.2	334.1	320.5	318.5	316.5	314.4
67.5°	543.2	485.8	427.8	369.9	350.2	331.1	311.4	291.8	289.3	287.2	284.7
70°	502.9	451.5	400.1	348.7	326.5	304.9	282.7	260.5	258.5	257.0	255.0
72.5°	470.2	422.3	373.9	325.5	302.4	278.7	255.5	231.8	230.3	228.8	226.8
75°	420.8	378.4	335.6	292.8	270.1	247.9	225.3	202.6	200.6	199.1	197.0
77.5°	348.2	312.4	277.2	241.4	223.7	206.6	189.0	171.3	170.3	169.3	167.8
80°	268.1	240.4	212.2	184.4	172.8	160.8	149.2	137.1	136.6	136.1	135.1
82.5°	183.9	167.3	150.7	134.0	125.5	116.4	107.8	98.8	99.3	99.8	100.3
85°	104.8	98.8	93.2	87.2	80.1	73.6	66.5	59.5	61.0	62.5	63.5
87.5°	38.3	36.3	34.3	32.3	28.7	25.7	22.2	18.6	19.7	21.2	22.2
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



REPORT NUMBER: P597038
 CATALOG NUMBER: MSA-SA3B-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: P597038

CATALOG NUMBER: MSA-SA3B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0
2.5°	1269.9	1254.8	1239.7	1224.5	1209.4	1178.2	1147.4	1116.2	1085.0	1104.1	1123.8
5°	1357.1	1331.4	1305.2	1279.5	1253.3	1238.6	1224.0	1209.4	1194.8	1202.4	1210.4
7.5°	1074.9	1059.8	1044.1	1029.0	1013.4	1006.8	1000.8	994.2	987.7	1006.3	1025.0
10°	952.4	931.3	910.1	888.4	867.3	854.7	842.1	829.5	816.9	821.9	826.9
12.5°	958.5	927.2	896.0	864.7	833.5	814.8	796.2	777.6	758.9	763.4	768.0
15°	906.6	874.3	842.1	809.8	777.6	755.9	733.7	712.0	689.9	682.3	674.3
17.5°	800.2	765.0	729.7	694.4	659.1	644.5	629.9	615.3	600.7	592.6	584.6
20°	684.8	652.1	619.3	586.6	553.8	543.7	533.7	523.1	513.0	508.0	502.4
22.5°	621.3	601.2	580.5	560.4	539.7	528.1	517.0	505.4	493.8	488.3	482.3
25°	583.0	587.1	591.6	595.6	599.7	594.6	589.1	584.0	578.5	580.5	582.0
27.5°	574.0	582.5	591.6	600.2	608.7	613.3	617.8	622.3	626.9	628.4	629.9
30°	439.4	444.0	448.0	452.5	456.6	469.2	481.8	493.8	506.4	526.1	546.3
32.5°	383.5	382.0	380.5	378.4	376.9	380.0	383.0	385.5	388.5	395.6	403.1
35°	375.4	371.9	367.9	364.3	360.3	361.8	363.3	364.8	366.4	371.9	377.4
37.5°	369.4	367.9	366.9	365.3	363.8	367.4	370.4	373.9	376.9	381.5	386.0
40°	373.4	372.9	372.4	371.4	370.9	372.9	374.9	376.9	379.0	385.0	391.0
42.5°	381.5	381.5	381.0	381.0	380.5	382.5	384.0	386.0	387.5	391.0	394.6
45°	392.1	391.0	390.5	389.5	388.5	388.0	388.0	387.5	387.0	389.0	391.6
47.5°	404.7	401.1	397.1	393.6	389.5	388.5	387.0	386.0	384.5	385.5	386.5
50°	426.8	417.3	408.2	398.6	389.0	386.5	384.0	381.5	379.0	378.4	378.4
52.5°	443.5	429.3	415.2	401.1	387.0	382.5	377.9	373.4	368.9	367.9	367.4
55°	427.3	416.7	406.7	396.1	385.5	379.0	371.9	365.3	358.3	356.8	355.3
57.5°	412.7	406.2	399.6	393.1	386.5	380.0	372.9	366.4	359.3	355.8	352.2
60°	377.9	377.9	378.4	378.4	378.4	371.4	364.3	357.3	350.2	346.7	343.7
62.5°	342.2	347.7	352.7	358.3	363.3	353.8	343.7	334.1	324.0	321.5	319.5
65°	312.4	313.9	316.0	317.5	319.0	311.4	303.9	296.3	288.7	287.2	285.2
67.5°	282.2	281.7	281.2	280.2	279.7	275.1	270.1	265.6	260.5	258.5	256.5
70°	253.0	252.5	252.0	251.0	250.5	246.4	242.4	238.4	234.3	232.8	231.3
72.5°	225.3	224.8	223.7	223.2	222.2	218.7	215.7	212.2	208.6	206.6	204.6
75°	195.0	194.0	193.0	192.0	191.0	188.0	184.9	181.4	178.4	176.4	174.4
77.5°	166.8	165.3	163.8	161.8	160.2	157.7	154.7	152.2	149.2	146.6	144.6
80°	134.5	133.5	132.5	131.0	130.0	127.5	125.0	122.0	119.4	116.4	113.9
82.5°	100.8	100.3	99.3	98.8	97.8	95.2	92.7	90.2	87.7	84.7	81.6
85°	65.0	64.5	64.0	63.5	63.0	61.0	59.5	57.4	55.4	52.4	49.9
87.5°	23.2	22.2	21.7	20.7	19.7	19.1	18.1	17.6	16.6	15.1	13.6
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: P597038
 CATALOG NUMBER: MSA-SA3B-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: P597038

CATALOG NUMBER: MSA-SA3B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0
2.5°	1142.9	1162.1	1162.6	1162.6	1171.6	1180.2	1162.6	1144.9	1126.8	1109.1	1091.5
5°	1218.0	1225.5	1223.5	1221.0	1209.9	1198.8	1187.2	1175.7	1164.1	1152.5	1153.0
7.5°	1043.6	1062.3	1077.4	1092.0	1077.9	1063.8	1056.2	1048.7	1041.1	1033.6	1032.5
10°	831.5	836.5	842.6	848.1	839.5	830.5	845.6	860.7	875.3	890.4	873.8
12.5°	772.5	777.1	766.5	755.4	751.9	748.3	744.8	740.8	737.2	733.2	731.2
15°	666.7	658.6	650.6	642.0	640.0	637.5	634.9	631.9	629.4	626.4	617.3
17.5°	576.5	568.4	554.8	540.7	535.2	529.1	527.6	526.1	524.1	522.6	514.0
20°	497.4	491.8	488.3	484.3	478.7	473.2	467.6	462.1	456.1	450.5	442.4
22.5°	476.7	470.7	466.1	461.1	460.1	459.1	449.0	438.4	428.3	417.8	413.2
25°	584.0	585.6	557.8	529.6	527.1	524.6	506.4	487.8	469.7	451.0	435.4
27.5°	630.9	632.4	631.4	630.4	622.3	613.8	583.0	551.8	521.1	489.8	467.6
30°	565.9	585.6	593.1	600.7	595.1	589.1	556.8	525.1	492.8	460.6	446.0
32.5°	410.2	417.3	429.8	441.9	448.5	454.5	444.5	434.4	424.3	414.2	411.7
35°	382.5	388.0	390.5	393.1	389.0	385.0	377.4	369.9	361.8	354.3	352.7
37.5°	390.0	394.6	399.6	404.7	393.6	382.0	373.4	365.3	356.8	348.2	341.2
40°	397.1	403.1	406.2	409.2	398.1	387.0	376.4	366.4	355.8	345.2	338.1
42.5°	398.1	401.6	407.2	412.7	397.1	381.0	371.4	361.3	351.7	341.7	334.6
45°	393.6	395.6	400.6	405.7	387.5	368.9	360.3	351.2	342.7	333.6	327.6
47.5°	387.0	388.0	392.1	395.6	376.4	356.8	348.7	340.7	332.1	324.0	318.0
50°	377.9	377.4	380.5	383.0	363.3	343.7	335.6	328.1	320.0	311.9	306.9
52.5°	366.4	365.3	368.4	370.9	350.2	329.6	322.5	316.0	308.9	301.9	297.8
55°	353.3	351.7	354.3	356.8	336.6	316.0	309.9	303.4	297.3	290.8	287.2
57.5°	348.2	344.7	346.2	347.7	325.0	302.4	296.3	290.3	284.2	278.2	275.6
60°	340.1	336.6	338.1	339.1	315.0	290.3	284.7	278.7	273.1	267.1	264.6
62.5°	317.0	314.4	316.5	318.5	296.8	274.6	269.6	265.1	260.0	255.0	251.5
65°	283.7	281.7	285.7	289.8	271.1	252.5	249.4	246.4	242.9	239.9	236.3
67.5°	254.5	252.5	256.5	260.5	246.9	233.3	230.3	227.3	224.2	221.2	219.2
70°	229.8	228.3	231.8	235.3	223.7	212.2	209.1	206.6	203.6	200.6	199.1
72.5°	202.1	200.1	204.6	208.6	199.1	189.0	186.5	183.4	180.9	177.9	176.9
75°	172.3	170.3	174.4	177.9	171.3	164.3	161.8	159.2	156.7	154.2	153.7
77.5°	142.1	139.6	143.6	147.1	143.1	138.6	136.6	134.0	132.0	129.5	129.5
80°	110.9	107.8	110.9	113.4	111.9	110.4	108.8	106.8	105.3	103.3	103.8
82.5°	78.6	75.6	77.1	78.6	79.6	80.6	80.6	80.6	80.6	80.6	80.6
85°	46.9	43.8	44.3	44.8	46.4	47.9	48.4	48.9	49.4	49.9	50.4
87.5°	12.1	10.6	9.6	8.1	9.6	10.6	11.6	12.1	13.1	13.6	13.6
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: P597038
 CATALOG NUMBER: MSA-SA3B-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: P597038

CATALOG NUMBER: MSA-SA3B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0
2.5°	1073.9	1055.7	1038.1	1049.2	1059.8	1070.8	1081.4	1081.9	1081.9	1082.4	1082.4
5°	1154.0	1154.5	1155.0	1144.4	1134.3	1123.8	1113.2	1107.6	1102.1	1096.0	1090.5
7.5°	1031.0	1030.0	1028.5	1018.4	1008.4	998.3	988.2	964.0	939.3	915.1	890.4
10°	856.7	840.0	822.9	818.9	815.4	811.3	807.3	800.7	794.7	788.1	781.6
12.5°	729.2	727.2	725.1	714.6	704.0	692.9	682.3	682.3	682.3	682.3	682.3
15°	607.7	598.7	589.1	584.0	578.5	573.5	567.9	565.4	562.9	560.4	557.8
17.5°	504.9	496.4	487.3	486.3	485.3	484.3	483.3	480.7	478.2	475.7	473.2
20°	434.4	426.3	418.3	421.3	424.3	426.8	429.8	427.3	424.8	421.8	419.3
22.5°	408.2	403.6	398.6	396.1	393.6	390.5	388.0	388.0	388.5	388.5	388.5
25°	420.3	404.7	389.0	381.5	373.9	365.9	358.3	355.3	352.7	349.7	346.7
27.5°	445.5	422.8	400.6	387.5	374.4	361.3	348.2	342.7	336.6	331.1	325.0
30°	430.9	416.2	401.1	386.0	370.9	355.8	340.7	333.6	326.5	319.0	311.9
32.5°	409.2	406.2	403.6	389.5	375.4	360.8	346.7	343.7	341.2	338.1	335.1
35°	350.7	349.2	347.2	343.7	340.1	336.6	333.1	329.1	325.0	321.0	317.0
37.5°	334.6	327.6	320.5	319.0	317.5	316.0	314.4	312.9	311.4	309.4	307.9
40°	331.1	324.0	317.0	314.4	311.9	308.9	306.4	306.9	307.9	308.4	308.9
42.5°	327.0	320.0	312.4	310.4	308.4	306.4	304.4	304.9	305.9	306.4	306.9
45°	322.0	316.0	309.9	306.4	303.4	299.8	296.3	299.3	302.4	304.9	307.9
47.5°	311.9	305.4	299.3	297.3	295.3	292.8	290.8	293.8	296.8	299.3	302.4
50°	301.3	296.3	290.8	290.3	289.8	288.7	288.2	290.3	292.3	294.3	296.3
52.5°	293.3	289.3	284.7	284.7	284.2	284.2	283.7	285.7	287.7	289.3	291.3
55°	284.2	280.7	277.2	277.7	278.7	279.2	279.7	281.7	284.2	286.2	288.2
57.5°	272.6	270.1	267.1	269.1	270.6	272.6	274.1	275.6	277.7	279.2	280.7
60°	261.5	259.0	256.0	258.0	260.5	262.5	264.6	266.1	267.6	269.1	270.6
62.5°	247.9	243.9	240.4	243.4	245.9	248.9	251.5	252.5	254.0	255.0	256.0
65°	233.3	229.8	226.3	228.3	230.3	231.8	233.8	235.3	236.8	238.4	239.9
67.5°	216.7	214.7	212.2	213.7	215.2	216.7	218.2	218.7	218.7	219.2	219.2
70°	197.0	195.5	193.5	194.5	196.0	197.0	198.0	198.0	198.0	197.5	197.5
72.5°	176.4	175.4	174.4	174.9	175.9	176.4	176.9	176.4	175.9	175.4	174.9
75°	153.2	152.7	152.2	152.7	153.7	154.2	154.7	154.2	153.2	152.7	151.7
77.5°	130.0	130.0	130.0	130.0	130.5	130.5	130.5	129.5	128.5	127.5	126.5
80°	104.3	104.8	105.3	105.3	105.3	105.3	105.3	104.3	103.3	101.8	100.8
82.5°	80.6	80.6	80.6	80.6	81.1	81.1	81.1	78.6	76.6	74.1	71.6
85°	50.4	50.9	50.9	51.4	51.9	51.9	52.4	48.9	45.9	42.3	38.8
87.5°	13.6	13.6	13.6	13.6	13.6	13.1	13.1	10.1	6.6	3.5	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: P597038
 CATALOG NUMBER: MSA-SA3B-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: P597038

CATALOG NUMBER: MSA-SA3B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0
2.5°	1085.5	1088.5	1091.0	1094.0	1094.5	1095.0	1095.0	1095.5	1085.0	1074.4	1063.3
5°	1098.1	1105.1	1112.7	1119.7	1118.2	1116.7	1115.2	1113.7	1110.7	1108.1	1105.1
7.5°	884.9	879.9	874.3	868.8	873.3	877.8	882.4	886.9	888.9	890.9	892.5
10°	769.0	756.4	743.8	731.2	724.1	716.6	709.5	702.0	701.0	700.5	699.4
12.5°	669.2	655.6	642.5	628.9	624.9	620.3	616.3	611.8	615.8	619.8	623.4
15°	552.3	547.3	541.7	536.2	540.7	545.2	549.8	554.3	558.3	561.9	565.9
17.5°	470.7	468.7	466.1	463.6	467.6	472.2	476.2	480.2	489.3	498.4	507.5
20°	417.3	415.7	413.7	411.7	410.2	408.2	406.7	404.7	417.8	430.4	443.5
22.5°	385.5	382.5	379.5	376.4	376.9	377.4	377.4	377.9	388.5	399.6	410.2
25°	345.7	344.7	343.7	342.7	345.7	348.7	351.2	354.3	363.8	373.4	382.5
27.5°	325.5	326.0	326.5	327.0	331.1	335.6	339.6	343.7	350.2	356.8	363.3
30°	314.4	317.5	320.0	322.5	324.0	325.5	327.0	328.6	335.1	341.2	347.7
32.5°	331.1	327.0	322.5	318.5	320.5	323.0	325.0	327.0	333.1	339.1	345.2
35°	315.5	313.4	311.9	309.9	312.4	315.0	317.0	319.5	325.0	330.1	335.6
37.5°	307.4	306.9	306.4	305.9	307.4	308.9	309.9	311.4	316.5	321.5	326.0
40°	306.9	304.4	302.4	299.8	301.3	302.9	303.9	305.4	311.4	317.5	323.5
42.5°	303.9	300.8	297.3	294.3	295.8	297.8	299.3	300.8	307.4	313.4	320.0
45°	303.4	298.8	293.8	289.3	291.3	293.3	295.3	297.3	302.4	307.4	311.9
47.5°	297.8	293.3	288.7	284.2	285.2	286.2	286.7	287.7	292.3	296.3	300.8
50°	293.3	289.8	286.7	283.2	281.7	280.7	279.2	277.7	281.2	284.7	288.2
52.5°	287.7	284.2	280.2	276.7	274.6	272.6	270.6	268.6	271.6	274.1	277.2
55°	284.2	279.7	275.6	271.1	268.6	266.1	263.6	261.0	263.0	264.6	266.6
57.5°	276.7	272.6	268.1	264.1	261.0	258.0	254.5	251.5	252.5	253.5	254.5
60°	266.6	262.0	258.0	253.5	249.9	246.4	242.4	238.9	239.4	240.4	240.9
62.5°	252.0	247.9	243.4	239.4	235.3	231.8	227.8	223.7	224.8	225.3	226.3
65°	235.8	231.3	227.3	222.7	219.2	215.7	211.6	208.1	209.1	210.1	210.6
67.5°	216.2	212.7	209.6	206.1	203.1	199.6	196.5	193.0	193.5	194.0	194.5
70°	195.0	192.0	189.5	186.5	183.9	181.4	178.9	176.4	176.4	176.9	176.9
72.5°	172.3	169.8	167.3	164.8	162.3	160.2	157.7	155.2	156.2	157.2	157.7
75°	149.2	147.1	144.6	142.1	140.1	138.1	135.6	133.5	134.5	135.6	136.1
77.5°	125.0	123.5	121.4	119.9	117.9	115.9	113.4	111.4	112.4	113.4	113.9
80°	99.8	98.8	97.3	96.2	94.2	92.2	90.2	88.2	88.7	88.7	89.2
82.5°	72.1	72.6	72.6	73.1	71.6	69.5	68.0	66.0	66.0	66.0	65.5
85°	40.3	42.3	43.8	45.4	43.8	42.3	40.8	39.3	38.8	38.8	38.3
87.5°	1.5	2.5	4.0	5.0	4.5	4.0	3.0	2.5	3.0	3.5	3.5
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: P597038
 CATALOG NUMBER: MSA-SA3B-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: P597038

CATALOG NUMBER: MSA-SA3B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0
2.5°	1052.7	1061.3	1069.8	1078.4	1087.0	1100.1	1113.2	1126.8	1140.4	1132.8	1124.8
5°	1102.1	1107.1	1112.7	1117.7	1122.7	1137.4	1151.5	1169.1	1186.2	1184.2	1181.7
7.5°	894.5	901.5	908.6	915.1	922.2	944.4	966.5	985.2	1003.8	1001.3	998.3
10°	698.4	713.1	728.2	742.8	757.4	775.5	793.2	808.8	824.4	850.6	876.3
12.5°	627.4	650.1	672.7	695.4	718.1	731.2	743.8	764.0	784.1	798.2	812.8
15°	569.4	590.6	611.8	632.9	654.1	655.1	656.1	677.3	698.4	710.5	722.1
17.5°	516.5	528.1	539.7	550.8	562.4	558.3	554.3	564.4	574.0	579.0	584.6
20°	456.1	464.1	472.2	480.2	488.3	493.8	498.9	504.9	510.5	505.4	499.9
22.5°	420.8	432.9	445.5	457.6	469.7	473.2	476.2	472.7	469.2	467.6	466.1
25°	392.1	406.7	421.8	436.4	451.0	458.1	465.1	468.1	470.7	465.1	459.6
27.5°	369.9	387.5	404.7	422.3	439.4	452.0	464.6	468.1	471.2	467.1	462.6
30°	353.8	372.9	392.1	411.2	430.4	449.5	468.1	484.8	500.9	499.4	497.9
32.5°	351.2	364.3	377.4	390.5	403.6	415.7	427.3	428.3	428.8	424.8	420.3
35°	340.7	349.2	357.8	366.4	374.9	382.5	389.5	388.5	387.5	383.5	379.5
37.5°	331.1	339.6	348.7	357.3	365.9	379.0	391.6	389.0	386.0	382.0	377.9
40°	329.6	339.1	348.7	357.8	367.4	379.5	391.6	389.0	386.5	381.5	376.4
42.5°	326.0	335.6	344.7	354.3	363.3	377.9	392.1	387.5	382.5	378.4	374.4
45°	317.0	325.5	334.1	342.7	351.2	366.9	382.5	376.9	371.4	369.9	367.9
47.5°	304.9	313.4	322.0	330.6	339.1	354.8	369.9	365.3	360.3	359.8	358.8
50°	291.8	299.8	308.4	316.5	324.5	340.1	355.3	351.2	347.2	347.7	347.7
52.5°	279.7	287.2	294.3	301.9	308.9	324.5	339.6	336.6	333.1	334.1	334.6
55°	268.1	274.1	280.2	286.2	292.3	307.4	322.5	318.0	313.4	315.0	316.5
57.5°	255.5	260.5	265.6	270.1	275.1	290.3	304.9	299.8	294.3	296.8	298.8
60°	241.4	245.9	250.5	254.5	259.0	272.6	285.7	281.2	276.2	279.7	282.7
62.5°	226.8	230.3	233.8	237.3	240.9	253.5	266.1	262.5	259.0	263.0	266.6
65°	211.6	214.2	217.2	219.7	222.2	234.3	245.9	243.4	240.9	244.4	247.9
67.5°	195.0	197.0	199.6	201.6	203.6	214.7	225.8	223.2	220.2	223.2	225.8
70°	176.9	178.9	180.4	182.4	183.9	194.0	204.1	200.6	196.5	199.6	202.1
72.5°	158.7	159.7	161.3	162.3	163.3	170.8	178.4	175.4	172.3	175.4	177.9
75°	137.1	138.1	139.1	140.1	141.1	147.7	153.7	150.2	146.1	149.2	152.2
77.5°	114.9	115.4	116.4	116.9	117.4	122.0	126.0	122.5	118.4	122.0	125.5
80°	89.2	89.7	90.2	90.2	90.7	92.2	93.7	91.2	88.2	92.7	97.3
82.5°	65.5	65.0	65.0	64.5	64.0	64.0	63.5	62.0	60.0	64.0	68.0
85°	37.8	37.3	36.3	35.8	34.8	33.3	31.7	31.2	30.7	34.3	37.8
87.5°	4.0	3.5	2.5	2.0	1.0	0.5	0.0	0.0	0.0	2.0	4.5
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: P597038
 CATALOG NUMBER: MSA-SA3B-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: P597038

CATALOG NUMBER: MSA-SA3B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0
2.5°	1117.2	1109.1	1101.6	1094.0	1086.5	1078.9	1093.0	1107.1	1121.2	1135.3	1147.9
5°	1179.7	1177.2	1170.6	1164.6	1158.0	1151.5	1155.0	1159.0	1162.6	1166.1	1173.6
7.5°	995.8	992.7	1006.8	1020.4	1034.6	1048.2	1051.7	1054.7	1058.2	1061.3	1059.3
10°	902.5	928.2	934.8	940.8	947.4	953.4	963.5	973.6	983.2	993.2	998.8
12.5°	826.9	841.1	864.2	887.9	911.1	934.3	949.4	964.5	979.6	994.7	1026.0
15°	734.2	745.8	763.4	781.1	798.7	816.4	838.0	860.2	881.9	903.5	937.8
17.5°	589.6	594.6	607.7	620.8	633.4	646.5	675.8	704.5	733.7	762.4	801.7
20°	494.9	489.3	489.3	489.8	489.8	489.8	519.0	547.8	577.0	605.7	657.6
22.5°	464.1	462.6	457.1	451.0	445.5	439.4	454.5	470.2	485.3	500.4	542.7
25°	453.5	448.0	440.9	433.9	426.8	419.8	429.3	438.9	448.5	458.1	491.3
27.5°	458.6	454.0	457.6	460.6	464.1	467.1	470.2	473.2	476.2	479.2	490.8
30°	496.4	494.9	500.4	505.4	511.0	516.0	509.0	502.4	495.4	488.3	492.3
32.5°	416.2	411.7	409.7	407.7	405.7	403.6	403.1	402.6	401.6	401.1	410.2
35°	375.4	371.4	368.4	365.3	361.8	358.8	360.3	361.3	362.8	363.8	373.9
37.5°	373.9	369.9	366.4	362.8	358.8	355.3	356.8	358.8	360.3	361.8	369.4
40°	371.4	366.4	364.3	362.3	360.3	358.3	359.3	360.3	360.8	361.8	367.4
42.5°	369.9	365.9	364.8	363.8	362.8	361.8	362.8	363.8	364.3	365.3	371.9
45°	366.4	364.3	365.3	366.4	367.4	368.4	368.4	368.4	368.4	368.4	375.4
47.5°	358.3	357.3	360.3	363.3	366.4	369.4	374.4	379.5	384.0	389.0	390.5
50°	348.2	348.2	353.3	358.3	362.8	367.9	380.0	391.6	403.6	415.2	407.7
52.5°	335.6	336.1	343.7	350.7	358.3	365.3	376.4	387.5	398.1	409.2	398.1
55°	317.5	319.0	328.6	337.6	347.2	356.3	364.8	373.4	382.0	390.5	379.0
57.5°	301.3	303.4	313.4	323.0	333.1	342.7	347.7	353.3	358.3	363.3	355.8
60°	286.2	289.3	302.4	315.5	328.1	341.2	337.1	333.1	328.6	324.5	324.0
62.5°	270.6	274.1	286.2	298.3	309.9	322.0	316.0	309.9	303.4	297.3	299.8
65°	251.0	254.5	260.0	265.6	270.6	276.2	275.6	275.6	275.1	274.6	279.7
67.5°	228.8	231.3	234.8	237.9	241.4	244.4	246.4	248.9	251.0	253.0	259.0
70°	205.1	207.6	211.1	214.2	217.7	220.7	223.2	225.8	227.8	230.3	236.3
72.5°	180.9	183.4	187.0	190.5	193.5	197.0	199.1	201.1	202.6	204.6	209.6
75°	155.2	158.2	161.8	164.8	168.3	171.3	172.8	174.4	175.9	177.4	181.9
77.5°	129.0	132.5	136.1	139.6	143.1	146.6	147.1	147.7	148.2	148.7	152.7
80°	101.3	105.8	109.4	112.9	116.4	119.9	119.9	119.9	119.9	119.9	122.0
82.5°	72.1	76.1	80.1	83.7	87.7	91.2	91.2	90.7	90.7	90.2	90.2
85°	41.3	44.8	47.4	50.4	52.9	55.4	55.4	55.4	54.9	54.9	53.9
87.5°	6.6	8.6	9.6	11.1	12.1	13.1	12.6	12.6	12.1	11.6	10.1
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: P597038
 CATALOG NUMBER: MSA-SA3B-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: P597038

CATALOG NUMBER: MSA-SA3B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0
2.5°	1160.5	1173.1	1185.7	1183.7	1181.7	1179.7	1177.7	1185.2	1192.3	1199.8	1206.9
5°	1180.7	1188.3	1195.3	1200.9	1206.4	1211.9	1217.5	1243.2	1268.4	1294.1	1319.3
7.5°	1057.2	1054.7	1052.7	1076.4	1100.6	1124.3	1147.9	1180.7	1213.5	1246.2	1279.0
10°	1004.3	1009.9	1015.4	1025.0	1035.1	1044.6	1054.2	1086.5	1118.7	1151.0	1183.2
12.5°	1056.7	1088.0	1118.7	1126.3	1134.3	1141.9	1149.5	1156.0	1162.6	1168.6	1175.2
15°	972.1	1006.3	1040.6	1060.3	1079.9	1099.1	1118.7	1168.1	1217.0	1266.4	1315.2
17.5°	840.5	879.9	918.7	967.0	1015.4	1063.8	1112.2	1157.5	1202.9	1247.7	1293.1
20°	709.5	760.9	812.8	865.7	918.2	971.1	1023.5	1067.8	1112.2	1156.0	1200.4
22.5°	584.6	626.9	668.7	733.2	797.2	861.7	925.7	1008.4	1090.5	1173.1	1255.3
25°	524.1	557.3	590.1	656.6	723.1	789.1	855.7	963.0	1069.8	1177.2	1284.0
27.5°	502.9	514.5	526.1	586.6	646.5	707.0	767.0	882.9	998.8	1114.2	1230.1
30°	496.4	500.4	504.4	551.8	599.2	646.5	693.9	808.3	923.2	1037.6	1152.0
32.5°	418.8	427.8	436.4	482.8	528.6	575.0	620.8	736.2	851.1	966.5	1081.4
35°	384.0	394.1	404.1	449.5	494.9	539.7	585.1	706.5	828.5	949.9	1071.3
37.5°	376.9	384.5	392.1	443.5	494.9	546.3	597.7	720.6	843.6	966.5	1089.5
40°	373.4	379.0	384.5	434.4	484.8	534.7	584.6	713.6	842.1	971.1	1099.6
42.5°	377.9	384.5	390.5	435.9	480.7	526.1	570.9	704.5	837.5	971.1	1104.1
45°	382.0	389.0	395.6	437.9	480.2	522.6	564.9	707.5	849.6	992.2	1134.3
47.5°	391.6	393.1	394.1	430.9	467.1	503.9	540.2	685.3	830.5	975.1	1120.2
50°	399.6	392.1	384.0	422.3	460.1	498.4	536.2	673.7	811.3	948.4	1086.0
52.5°	387.0	375.4	364.3	405.7	447.0	487.8	529.1	666.7	804.8	942.3	1079.9
55°	367.9	356.3	344.7	386.5	428.3	470.2	512.0	649.1	786.6	923.7	1060.8
57.5°	348.7	341.2	333.6	367.9	402.6	436.9	471.2	619.8	768.0	916.6	1064.8
60°	323.5	322.5	322.0	348.7	375.9	402.6	429.3	575.0	720.1	865.7	1010.9
62.5°	301.9	304.4	306.4	328.1	349.7	370.9	392.6	533.2	674.3	814.8	955.4
65°	285.2	290.3	295.3	320.0	344.7	368.9	393.6	511.5	629.4	747.3	865.2
67.5°	265.1	271.1	277.2	309.4	341.7	373.9	406.2	503.4	600.7	697.9	795.2
70°	241.9	247.9	253.5	294.8	335.6	376.9	417.8	503.9	590.6	676.8	762.9
72.5°	214.7	219.7	224.8	269.1	313.4	357.8	402.1	475.2	548.3	620.8	693.9
75°	187.0	191.5	196.0	234.3	272.6	310.9	349.2	405.7	461.6	518.0	574.0
77.5°	156.2	160.2	163.8	189.5	215.2	240.9	266.6	309.9	352.7	396.1	438.9
80°	124.0	126.0	128.0	143.1	157.7	172.8	187.5	216.2	244.9	273.1	301.9
82.5°	90.7	90.7	90.7	100.3	110.4	119.9	129.5	144.1	158.2	172.8	187.0
85°	52.9	51.4	50.4	56.9	63.5	70.0	76.6	82.6	88.7	94.7	100.8
87.5°	8.6	6.6	5.0	9.1	13.1	17.1	21.2	23.2	25.7	27.7	29.7
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: P597038
 CATALOG NUMBER: MSA-SA3B-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: P597038

CATALOG NUMBER: MSA-SA3B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0
2.5°	1189.8	1173.1	1156.0	1138.9	1164.1	1189.3	1214.5	1239.7	1306.7	1346.5	1349.0
5°	1340.4	1361.6	1382.8	1403.9	1425.1	1446.3	1466.9	1488.1	1596.9	1664.0	1676.6
7.5°	1313.7	1349.0	1383.8	1418.6	1478.5	1538.5	1598.5	1658.4	1750.6	1817.2	1861.0
10°	1226.6	1269.9	1313.2	1356.6	1427.6	1499.2	1570.2	1641.3	1739.0	1826.7	1868.6
12.5°	1244.2	1313.2	1381.8	1450.8	1512.3	1574.3	1635.7	1697.2	1764.7	1798.0	1874.1
15°	1363.1	1411.0	1458.9	1506.7	1599.5	1691.7	1784.4	1876.6	1914.9	1991.0	2059.5
17.5°	1381.3	1468.9	1557.1	1644.8	1758.2	1871.6	1985.0	2098.3	2169.4	2267.7	2350.3
20°	1324.8	1448.8	1573.3	1697.2	1843.4	1990.0	2136.1	2282.3	2372.5	2455.1	2583.1
22.5°	1392.3	1529.4	1666.0	1803.0	1997.1	2190.6	2384.6	2578.1	2766.6	2951.0	3037.7
25°	1466.9	1650.4	1833.3	2016.2	2258.6	2500.5	2742.9	2984.8	3227.1	3400.0	3499.8
27.5°	1414.5	1598.5	1782.9	1966.8	2266.7	2567.0	2866.8	3166.7	3426.2	3634.3	3720.0
30°	1377.7	1603.5	1829.3	2055.0	2406.7	2758.5	3110.2	3462.0	3701.8	3934.1	4060.1
32.5°	1371.2	1660.9	1950.2	2239.9	2649.6	3058.8	3468.5	3877.7	4036.9	4243.1	4412.9
35°	1389.3	1707.8	2025.8	2343.8	2813.4	3283.1	3752.2	4221.9	4448.2	4652.2	4800.9
37.5°	1444.8	1800.0	2154.8	2510.1	3076.0	3642.4	4208.3	4774.2	5153.6	5527.1	5593.6
40°	1476.0	1852.9	2229.4	2605.8	3263.9	3922.1	4580.2	5238.3	5674.7	6084.4	6112.1
42.5°	1512.8	1921.5	2329.6	2738.3	3468.0	4198.2	4927.9	5657.6	6197.8	6638.2	6651.3
45°	1555.1	1975.4	2396.2	2816.4	3578.4	4339.8	5101.7	5863.2	6516.3	7051.4	6920.9
47.5°	1571.7	2023.8	2475.3	2926.8	3739.1	4551.0	5363.3	6175.1	6761.2	7248.0	7123.0
50°	1578.3	2071.1	2563.5	3055.8	3897.4	4739.4	5581.0	6422.5	7018.7	7493.4	7301.9
52.5°	1619.1	2158.3	2697.5	3236.7	4113.5	4990.4	5867.2	6744.0	7330.6	7786.7	7548.8
55°	1674.0	2287.3	2900.1	3513.4	4420.9	5328.0	6235.6	7142.6	7731.2	8155.5	7860.7
57.5°	1724.9	2385.6	3045.7	3705.9	4646.2	5587.0	6527.3	7467.7	8063.8	8483.6	8197.9
60°	1700.2	2389.6	3079.0	3768.4	4692.6	5616.3	6540.5	7464.1	8140.9	8644.3	8498.2
62.5°	1625.7	2295.9	2965.6	3635.8	4513.2	5390.0	6267.3	7144.2	7936.3	8581.9	8575.3
65°	1482.0	2098.9	2715.2	3332.0	4143.8	4956.1	5767.9	6579.8	7513.5	8297.6	8348.5
67.5°	1307.2	1819.2	2331.2	2843.1	3607.6	4372.1	5136.5	5901.0	6899.2	7764.5	7808.3
70°	1137.9	1513.3	1888.2	2263.1	2934.4	3605.6	4276.3	4947.5	5955.9	6831.2	6871.5
72.5°	939.3	1184.7	1429.6	1675.0	2218.8	2762.5	3305.8	3849.5	4734.9	5408.1	5635.4
75°	719.6	865.2	1010.9	1156.5	1596.4	2036.4	2475.8	2915.7	3504.3	4001.2	4257.2
77.5°	514.5	590.1	665.7	741.3	1115.2	1489.1	1862.5	2236.4	2545.8	2827.5	3000.4
80°	337.6	372.9	408.7	444.0	754.9	1065.8	1376.2	1687.1	1875.6	2026.8	2114.0
82.5°	204.6	222.2	239.4	257.0	509.0	760.9	1012.4	1264.3	1372.2	1444.3	1521.9
85°	110.4	119.9	129.5	139.1	300.8	462.1	623.9	785.1	795.7	804.3	919.7
87.5°	32.3	35.3	37.8	40.3	66.5	93.2	119.4	145.6	90.7	56.4	115.9
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: P597038
 CATALOG NUMBER: MSA-SA3B-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: P597038

CATALOG NUMBER: MSA-SA3B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0
2.5°	1334.4	1327.8	1321.3	1314.2	1307.7	1280.0	1252.8	1225.0	1197.3	1224.0	1250.2
5°	1661.9	1682.1	1701.8	1721.9	1742.1	1743.6	1744.6	1746.1	1747.1	1752.1	1757.2
7.5°	1897.8	1933.6	1968.8	2004.6	2040.4	2068.1	2095.8	2124.0	2151.8	2126.6	2101.4
10°	1917.9	1993.5	2069.1	2144.7	2220.3	2233.9	2247.0	2260.6	2274.2	2292.4	2310.0
12.5°	1938.1	2030.3	2122.0	2214.2	2306.5	2346.8	2386.6	2426.9	2466.7	2486.4	2505.5
15°	2151.3	2205.7	2259.6	2314.0	2367.9	2395.7	2422.9	2450.6	2478.3	2494.9	2511.1
17.5°	2425.4	2445.6	2465.2	2485.4	2505.5	2524.2	2542.8	2561.5	2580.1	2583.1	2586.1
20°	2675.3	2679.4	2682.9	2686.9	2690.5	2651.2	2612.4	2573.0	2533.7	2540.8	2547.3
22.5°	3050.3	3028.1	3006.4	2984.2	2962.6	2888.5	2814.9	2740.9	2667.3	2635.5	2604.3
25°	3614.7	3558.2	3501.8	3445.3	3388.9	3271.0	3153.6	3035.6	2918.2	2849.2	2780.7
27.5°	3796.6	3673.6	3551.2	3428.2	3305.2	3216.1	3127.4	3038.2	2949.5	2840.1	2730.8
30°	4164.4	3970.4	3776.9	3582.9	3388.9	3302.7	3216.6	3129.9	3043.7	2931.8	2820.5
32.5°	4490.5	4288.9	4087.3	3885.3	3683.7	3520.4	3357.2	3193.9	3030.6	2955.0	2879.4
35°	4867.9	4614.4	4361.0	4107.5	3854.0	3713.9	3574.3	3434.3	3294.7	3180.3	3066.4
37.5°	5417.7	5148.1	4878.5	4608.4	4338.8	4149.3	3960.4	3770.9	3581.9	3518.9	3456.4
40°	5941.8	5623.3	5305.3	4986.8	4668.9	4523.7	4378.6	4233.0	4087.8	3981.5	3875.2
42.5°	6380.7	6065.8	5751.3	5436.3	5121.9	5016.1	4910.8	4804.9	4699.6	4611.9	4524.2
45°	6531.4	6274.4	6017.9	5760.9	5503.9	5466.6	5429.8	5392.5	5355.7	5290.7	5225.7
47.5°	6773.8	6511.7	6250.2	5988.1	5726.1	5739.7	5753.3	5767.4	5781.0	5784.6	5787.6
50°	6916.4	6667.4	6419.0	6170.1	5921.6	5987.6	6053.2	6119.2	6185.2	6334.8	6484.0
52.5°	7124.5	6880.1	6636.2	6391.8	6147.4	6259.3	6370.6	6482.5	6593.9	6803.5	7013.1
55°	7385.5	7151.7	6918.4	6684.6	6451.3	6560.1	6668.4	6777.3	6885.6	7119.0	7352.3
57.5°	7731.7	7481.3	7231.3	6980.9	6730.9	6831.2	6931.0	7031.3	7131.1	7352.8	7574.5
60°	8125.8	7853.7	7581.6	7308.9	7036.8	7064.5	7091.7	7119.5	7146.7	7387.0	7626.9
62.5°	8319.3	8067.3	7815.9	7563.9	7312.0	7234.9	7157.8	7080.2	7003.1	7218.2	7432.9
65°	8151.5	7978.2	7805.3	7632.0	7458.6	7322.5	7187.0	7050.9	6914.9	7049.4	7183.5
67.5°	7617.3	7519.1	7421.3	7323.0	7224.8	6996.5	6768.2	6539.4	6311.2	6320.2	6328.8
70°	6751.6	6725.4	6699.7	6673.5	6647.3	6304.1	5961.4	5618.3	5275.1	5222.7	5170.3
72.5°	5654.5	5671.7	5688.3	5705.4	5722.6	5353.7	4984.8	4616.0	4247.1	4159.9	4072.7
75°	4379.6	4474.4	4569.1	4664.3	4759.1	4406.3	4053.6	3700.3	3347.6	3240.2	3132.9
77.5°	3094.6	3271.5	3447.9	3624.7	3801.6	3482.6	3164.1	2845.2	2526.2	2456.6	2387.1
80°	2157.8	2244.5	2331.2	2417.8	2504.5	2344.3	2184.0	2023.8	1863.5	1882.7	1901.3
82.5°	1571.7	1591.9	1611.6	1631.7	1651.9	1586.4	1520.8	1454.8	1389.3	1439.2	1489.1
85°	1006.8	1078.9	1150.5	1222.5	1294.1	1221.5	1149.0	1075.9	1003.3	1036.6	1069.8
87.5°	225.3	356.3	487.3	618.8	749.8	679.3	609.2	538.7	468.1	436.4	405.2
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



REPORT NUMBER: P597038
 CATALOG NUMBER: MSA-SA3B-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: P597038

CATALOG NUMBER: MSA-SA3B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0
2.5°	1276.9	1303.7	1295.6	1288.0	1280.0	1271.9	1286.5	1301.1	1316.3	1330.9	1325.8
5°	1762.7	1767.8	1719.9	1672.5	1624.7	1576.8	1606.5	1636.2	1666.0	1695.7	1685.1
7.5°	2076.2	2051.0	2023.3	1995.5	1967.3	1939.6	1933.6	1927.5	1921.0	1914.9	1906.9
10°	2328.1	2345.8	2327.6	2310.0	2291.9	2273.7	2231.4	2189.1	2146.2	2103.9	2086.3
12.5°	2525.2	2544.8	2549.4	2553.4	2557.9	2562.5	2515.1	2468.2	2420.9	2373.5	2330.7
15°	2527.7	2544.3	2558.9	2573.0	2587.7	2601.8	2572.5	2543.8	2514.6	2485.4	2471.8
17.5°	2589.7	2592.7	2580.6	2569.0	2556.9	2545.3	2533.7	2522.7	2511.1	2500.0	2478.3
20°	2554.4	2561.5	2559.9	2558.4	2556.4	2554.9	2555.9	2556.4	2557.4	2557.9	2545.8
22.5°	2572.5	2540.8	2547.3	2553.4	2559.9	2566.0	2584.1	2602.3	2620.9	2639.1	2687.4
25°	2711.6	2642.6	2632.0	2621.9	2611.3	2601.3	2648.6	2695.5	2742.9	2790.2	2868.8
27.5°	2620.9	2511.6	2487.4	2463.2	2439.0	2414.8	2486.9	2558.4	2630.5	2702.6	2782.7
30°	2708.6	2597.2	2543.8	2490.4	2436.5	2383.1	2452.1	2520.6	2589.7	2658.2	2746.9
32.5°	2803.8	2728.3	2692.5	2657.2	2621.4	2586.1	2591.7	2597.2	2602.8	2608.3	2733.3
35°	2952.0	2837.6	2802.3	2767.1	2731.8	2696.5	2755.5	2813.9	2872.9	2931.3	3037.2
37.5°	3393.4	3330.4	3266.9	3203.5	3139.5	3076.0	3110.7	3145.5	3180.3	3215.0	3314.8
40°	3768.9	3662.5	3651.9	3641.9	3631.3	3620.7	3623.7	3626.2	3629.3	3632.3	3717.5
42.5°	4436.1	4348.4	4294.5	4240.5	4186.6	4132.7	4129.2	4125.6	4121.6	4118.1	4182.1
45°	5160.2	5095.2	5054.9	5014.6	4973.7	4933.4	4869.4	4805.4	4740.9	4676.9	4732.9
47.5°	5791.1	5794.6	5867.7	5940.3	6013.3	6086.4	5977.1	5867.7	5758.4	5649.0	5576.9
50°	6633.7	6782.8	6800.5	6817.6	6835.2	6852.9	6667.4	6482.5	6297.1	6111.6	6036.0
52.5°	7223.3	7432.9	7405.7	7379.0	7351.8	7324.6	7217.2	7110.4	7003.1	6895.7	6730.9
55°	7586.1	7819.4	7798.8	7778.6	7757.9	7737.3	7659.2	7581.1	7502.9	7424.8	7243.9
57.5°	7796.2	8018.0	8024.0	8030.1	8036.1	8042.1	8021.5	8000.8	7980.2	7959.5	7724.2
60°	7867.3	8107.7	8110.2	8112.2	8114.7	8116.7	8084.0	8051.2	8018.0	7985.2	7831.5
62.5°	7648.1	7862.8	7872.3	7881.4	7891.0	7900.5	7877.9	7855.2	7832.5	7809.8	7696.0
65°	7318.0	7452.6	7455.1	7457.1	7459.6	7462.1	7404.7	7347.7	7290.3	7232.8	7205.6
67.5°	6337.9	6346.9	6400.4	6453.8	6507.2	6560.6	6565.1	6569.7	6574.7	6579.3	6539.9
70°	5117.9	5065.5	5123.4	5181.4	5239.3	5297.3	5322.0	5346.7	5371.8	5396.5	5414.7
72.5°	3985.0	3897.9	3940.7	3983.5	4026.9	4069.7	4032.9	3996.1	3959.3	3922.6	4039.0
75°	3025.6	2918.2	2912.7	2907.7	2902.1	2897.1	2878.4	2859.8	2840.6	2822.0	2930.8
77.5°	2317.1	2247.5	2251.0	2254.1	2257.6	2260.6	2241.5	2222.8	2203.7	2184.5	2226.3
80°	1920.5	1939.1	1939.6	1940.1	1940.6	1941.1	1923.0	1905.3	1887.2	1869.1	1838.8
82.5°	1539.5	1589.4	1588.9	1588.9	1588.4	1587.9	1586.9	1585.9	1584.3	1583.3	1533.9
85°	1103.1	1136.4	1102.1	1067.8	1033.6	999.3	1024.5	1049.7	1075.4	1100.6	1079.9
87.5°	373.4	342.2	301.3	261.0	220.2	179.4	223.2	267.1	311.4	355.3	380.5
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: P597038
 CATALOG NUMBER: MSA-SA3B-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: P597038

CATALOG NUMBER: MSA-SA3B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0	1095.0
2.5°	1321.3	1316.3	1311.7	1280.0	1247.7	1216.0	1183.7	1242.2	1301.1	1359.6	1418.0
5°	1675.0	1664.5	1654.4	1651.9	1649.3	1646.3	1643.8	1673.5	1703.3	1732.5	1762.2
7.5°	1898.8	1890.7	1882.7	1861.5	1840.8	1819.7	1798.5	1816.7	1834.3	1852.4	1870.1
10°	2069.1	2051.5	2033.8	1988.0	1942.6	1896.8	1850.9	1837.3	1823.7	1810.1	1796.5
12.5°	2287.8	2244.5	2201.7	2149.7	2097.3	2045.4	1993.0	1986.0	1978.9	1972.4	1965.3
15°	2458.7	2445.0	2431.4	2390.1	2348.8	2307.5	2266.2	2210.7	2154.8	2099.4	2043.9
17.5°	2457.1	2435.5	2414.3	2469.7	2524.7	2580.1	2635.0	2576.1	2516.6	2457.6	2398.7
20°	2533.7	2521.1	2509.0	2611.3	2713.1	2815.4	2917.2	2885.0	2852.2	2820.0	2787.2
22.5°	2735.3	2783.7	2831.6	2919.2	3006.4	3094.1	3181.3	3218.1	3254.9	3291.6	3328.4
25°	2947.0	3025.6	3104.2	3234.7	3364.7	3495.2	3625.7	3651.9	3678.2	3704.4	3730.6
27.5°	2862.3	2942.4	3022.5	3121.3	3219.6	3318.4	3416.6	3531.5	3646.9	3761.8	3876.7
30°	2835.1	2923.8	3012.0	3147.5	3282.6	3418.1	3553.7	3711.9	3870.1	4027.9	4186.1
32.5°	2857.8	2982.7	3107.7	3291.1	3474.1	3657.5	3840.9	4007.2	4174.0	4340.3	4506.6
35°	3142.5	3248.3	3353.6	3558.7	3763.8	3968.9	4174.0	4369.0	4564.1	4758.6	4953.6
37.5°	3414.1	3513.9	3613.7	3823.3	4032.4	4242.0	4451.7	4759.6	5068.0	5375.9	5683.8
40°	3802.1	3887.3	3971.9	4151.3	4330.7	4510.1	4689.5	5060.9	5432.3	5803.7	6175.1
42.5°	4245.6	4309.6	4373.1	4559.0	4745.0	4930.9	5116.9	5521.0	5925.7	6329.8	6734.0
45°	4788.3	4844.2	4900.2	5028.2	5156.2	5284.7	5412.7	5829.4	6246.2	6662.9	7079.7
47.5°	5504.9	5432.8	5360.8	5423.8	5486.7	5549.7	5612.7	6024.9	6437.1	6848.9	7261.1
50°	5960.4	5884.8	5809.3	5814.8	5819.8	5825.4	5830.9	6215.4	6599.9	6983.9	7368.4
52.5°	6566.2	6400.9	6236.1	6234.6	6233.1	6231.0	6229.5	6564.6	6900.3	7235.4	7570.5
55°	7063.0	6882.1	6701.2	6665.9	6630.7	6594.9	6559.6	6891.2	7222.3	7553.8	7884.9
57.5°	7488.8	7253.0	7017.7	6962.2	6906.8	6851.4	6795.9	7153.2	7511.0	7868.3	8225.6
60°	7678.3	7524.6	7371.4	7303.4	7235.4	7167.3	7099.3	7403.7	7708.0	8011.9	8316.3
62.5°	7582.6	7468.7	7355.3	7370.9	7386.5	7402.2	7417.8	7591.6	7766.0	7939.9	8113.7
65°	7178.9	7151.7	7125.0	7251.0	7377.0	7502.9	7628.9	7631.4	7634.0	7636.5	7639.0
67.5°	6500.6	6461.3	6422.0	6684.1	6945.6	7207.6	7469.7	7345.2	7220.8	7096.8	6972.3
70°	5432.3	5450.5	5468.1	5824.9	6181.2	6537.9	6894.7	6714.3	6533.4	6353.0	6172.1
72.5°	4155.4	4272.3	4388.7	4758.6	5128.5	5498.3	5868.2	5662.1	5455.5	5249.4	5042.8
75°	3039.7	3148.5	3257.4	3622.7	3988.1	4353.9	4719.3	4474.4	4229.4	3985.0	3740.1
77.5°	2268.2	2310.5	2352.3	2656.2	2959.6	3263.4	3566.8	3320.9	3075.0	2829.5	2583.6
80°	1809.1	1778.9	1749.1	1917.4	2085.7	2254.1	2422.4	2248.0	2073.2	1898.8	1724.4
82.5°	1485.1	1435.7	1386.8	1449.3	1511.8	1574.8	1637.3	1497.7	1358.1	1218.5	1078.9
85°	1059.3	1038.6	1017.9	1036.1	1053.7	1071.8	1090.0	953.9	817.9	682.3	546.3
87.5°	405.2	430.4	455.5	484.3	512.5	541.2	569.4	446.0	322.5	199.6	76.1
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: P597038
 CATALOG NUMBER: MSA-SA3B-835-U-SLR

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



REPORT NUMBER: P597038
 CATALOG NUMBER: MSA-SA3B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1095.0	1095.0
2.5°	1442.2	1466.4
5°	1761.7	1761.2
7.5°	1862.0	1853.4
10°	1774.3	1752.1
12.5°	1899.8	1833.8
15°	1978.4	1912.4
17.5°	2299.4	2199.6
20°	2668.8	2549.9
22.5°	3147.5	2966.6
25°	3514.4	3297.7
27.5°	3748.2	3619.2
30°	4038.5	3890.8
32.5°	4397.8	4288.4
35°	4853.8	4753.5
37.5°	5652.5	5620.8
40°	6137.3	6099.0
42.5°	6735.5	6736.5
45°	7102.3	7125.0
47.5°	7318.5	7375.5
50°	7490.9	7612.8
52.5°	7737.3	7904.1
55°	8106.7	8327.9
57.5°	8414.0	8602.5
60°	8414.0	8511.3
62.5°	8111.2	8108.2
65°	7592.1	7544.8
67.5°	6912.9	6853.4
70°	6079.4	5986.1
72.5°	4927.4	4811.5
75°	3581.4	3422.2
77.5°	2508.0	2431.9
80°	1761.2	1798.0
82.5°	1131.3	1183.7
85°	538.2	530.1
87.5°	63.5	50.9
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: P597038
CATALOG NUMBER: MSA-SA3B-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)