

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: P597037

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P597037
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-25)
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-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8840 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

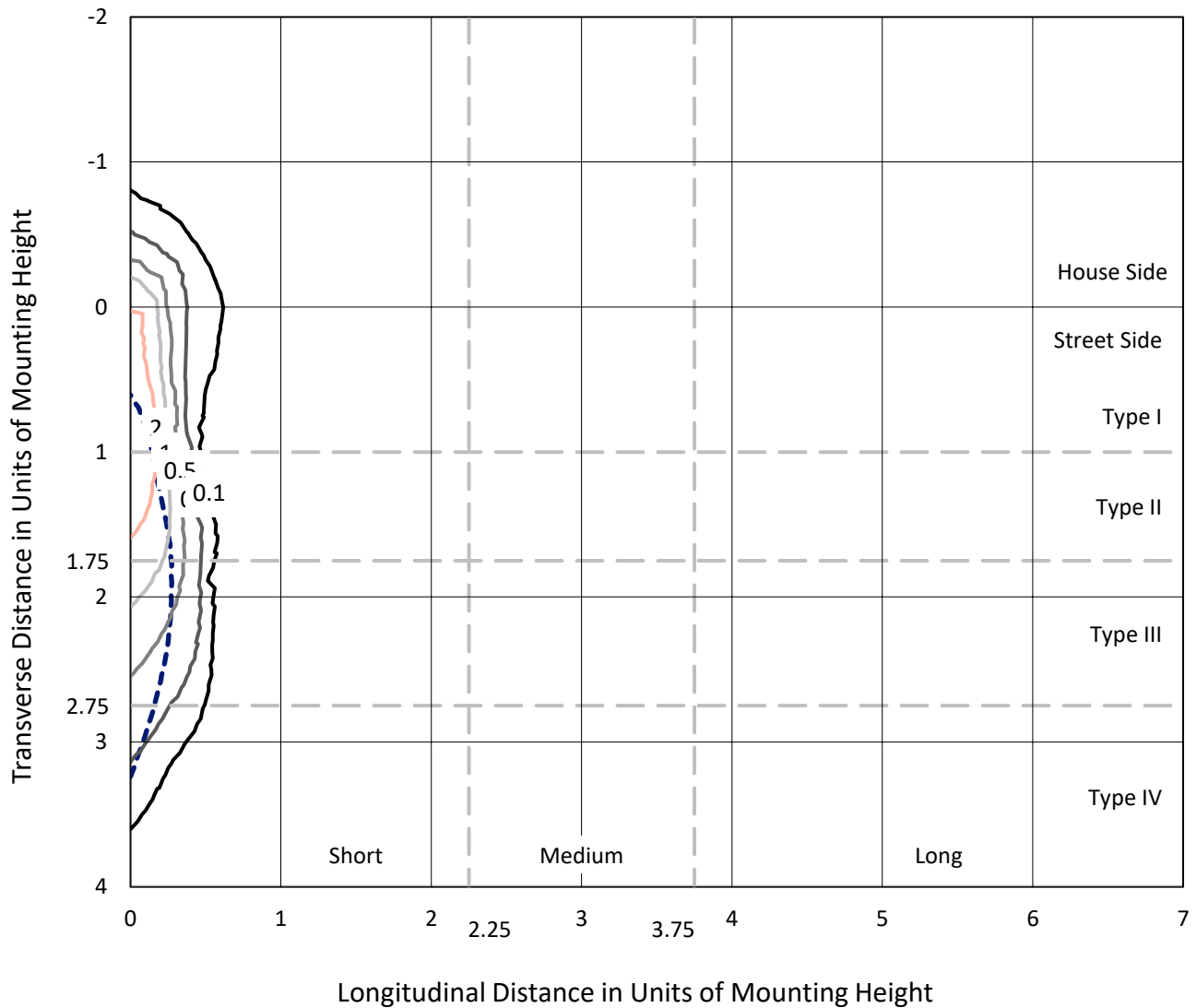
Input Watts (W): 126
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

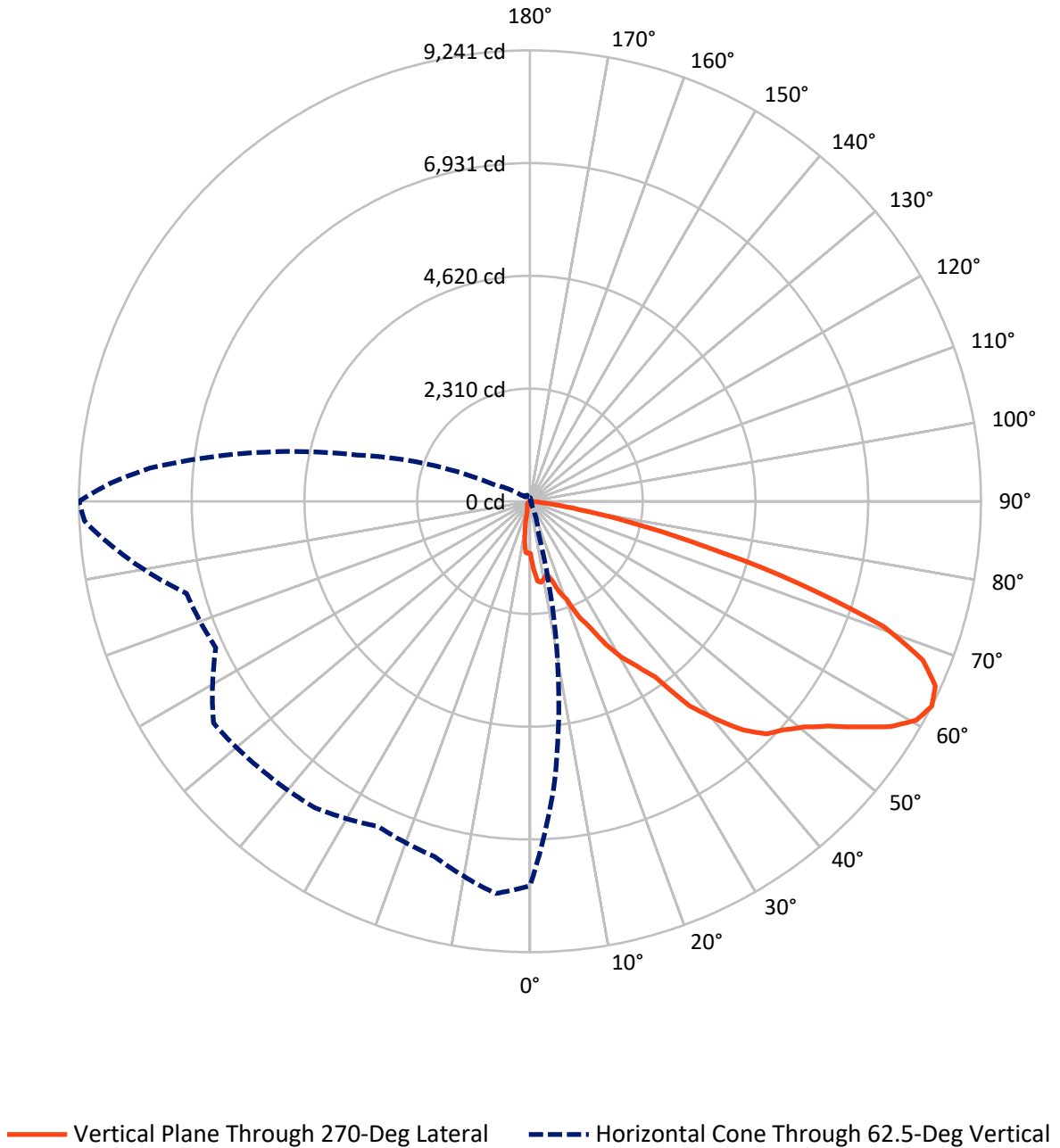
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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	1476.2	0.0	1476.2
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	7363.8	0.0	7363.8
	% Fixture	83.3	0.0	83.3
Total	Lumens	8840.0	0.0	8840.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.0	1.3
10°-20°	310.9	3.5
20°-30°	502.5	5.7
30°-40°	841.7	9.5
40°-50°	1375.9	15.6
50°-60°	2036.8	23.0
60°-70°	2338.3	26.5
70°-80°	1156.1	13.1
80°-90°	158.8	1.8
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°	8840.0	100.0
0°-180°	8840.0	100.0

Coefficient of Utilization



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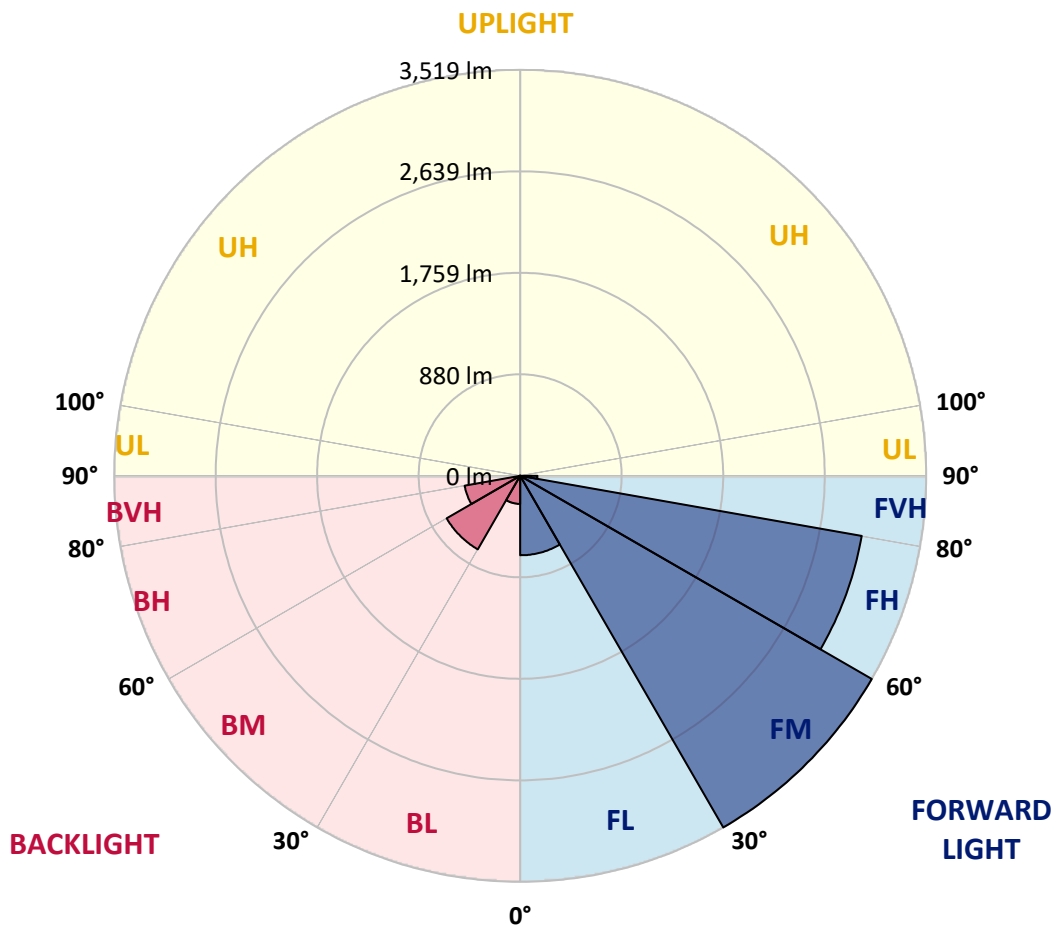
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	688.7	7.8			
FM (30°-60°)	3518.8	39.8			
FH (60°-80°)	3006.0	34.0			G2/5000
FVH (80°-90°)	150.4	1.7			G2/225
BL (0°-30°)	243.8	2.8	B1/500		
BM (30°-60°)	735.6	8.3	B1/1000		
BH (60°-80°)	488.4	5.5	B1/500		G1/500
BVH (80°-90°)	8.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

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°	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3
2.5°	1412.5	1430.1	1447.2	1414.5	1381.7	1349.0	1316.2	1287.0	1257.8	1228.0	1198.8
5°	1817.6	1785.3	1753.1	1708.8	1664.4	1620.1	1575.7	1555.1	1534.4	1513.7	1493.1
7.5°	1958.7	1901.2	1843.3	1804.0	1765.2	1725.9	1686.6	1624.6	1562.1	1500.1	1437.6
10°	1847.8	1786.9	1725.4	1691.1	1656.8	1622.6	1588.3	1511.2	1433.6	1356.5	1278.9
12.5°	1898.7	1832.7	1766.7	1696.2	1625.6	1555.1	1484.5	1425.6	1366.1	1307.1	1247.7
15°	1934.0	1858.4	1782.3	1701.7	1621.1	1540.4	1459.8	1390.3	1321.2	1251.7	1182.2
17.5°	2141.1	2032.8	1924.4	1800.5	1676.5	1552.5	1428.6	1348.0	1267.8	1187.2	1106.6
20°	2407.2	2253.5	2099.3	1931.5	1763.7	1595.9	1428.1	1327.8	1227.5	1127.2	1027.0
22.5°	2716.6	2524.6	2332.1	2125.0	1918.4	1711.3	1504.2	1360.0	1215.9	1071.8	927.7
25°	3028.0	2854.6	2681.3	2402.6	2124.0	1844.8	1566.1	1383.2	1199.8	1016.9	833.5
27.5°	3590.3	3280.4	2970.5	2615.8	2261.5	1906.8	1552.0	1342.4	1132.8	922.7	713.0
30°	3958.2	3719.8	3481.0	3012.4	2544.2	2075.6	1607.0	1341.4	1075.8	809.8	544.2
32.5°	4398.1	4049.4	3700.2	3191.8	2683.3	2174.9	1666.4	1354.5	1042.1	730.2	417.7
35°	4892.4	4513.0	4133.6	3489.6	2845.6	2201.1	1557.1	1254.7	952.4	650.0	347.7
37.5°	5765.7	5130.8	4495.9	3745.0	2993.7	2242.9	1491.6	1189.7	887.4	585.5	283.2
40°	6261.6	5655.4	5049.2	4110.9	3172.6	2234.3	1296.1	1028.0	760.4	492.3	224.2
42.5°	6906.6	6137.6	5368.1	4319.5	3270.9	2222.2	1173.6	925.7	677.8	429.3	181.4
45°	7289.0	6417.8	5546.5	4410.2	3273.9	2137.6	1001.3	786.6	571.9	357.3	142.6
47.5°	7530.4	6656.6	5782.8	4562.9	3343.4	2123.5	903.5	706.0	508.4	310.9	113.4
50°	7652.9	6776.6	5899.8	4646.0	3392.3	2138.1	884.4	687.8	490.8	294.3	97.3
52.5°	7780.3	6935.3	6089.7	4790.1	3490.6	2191.0	891.4	690.9	490.8	290.3	89.7
55°	8037.8	7204.4	6370.4	4996.8	3623.1	2249.4	875.8	678.3	480.7	282.7	85.2
57.5°	8354.3	7463.4	6572.0	5147.9	3723.9	2299.8	875.8	677.3	478.7	279.7	81.1
60°	8294.3	7327.3	6359.8	4978.1	3596.4	2214.2	832.5	643.5	455.0	266.1	77.1
62.5°	7882.6	6833.0	5782.8	4505.9	3228.5	1951.6	674.2	523.6	372.9	221.7	71.1
65°	7398.9	6284.7	5170.1	3995.0	2819.4	1644.3	468.6	367.9	266.6	165.8	64.5
67.5°	6816.4	5628.1	4439.9	3394.8	2350.2	1305.1	260.0	209.6	159.2	108.3	57.9
70°	5805.5	4579.0	3352.0	2548.8	1746.0	942.8	139.6	117.9	96.2	74.6	52.9
72.5°	4358.3	3234.6	2110.9	1603.4	1096.5	589.1	81.6	73.6	65.0	56.9	48.4
75°	2965.5	2123.5	1281.4	975.6	670.2	364.3	58.5	54.4	49.9	45.9	41.3
77.5°	2016.1	1458.3	900.5	687.3	474.2	261.0	47.9	45.4	42.8	39.8	37.3
80°	1258.8	861.7	464.6	357.8	250.4	143.6	36.3	34.8	33.3	31.2	29.7
82.5°	880.3	526.6	172.8	135.0	97.3	59.0	21.2	21.7	22.2	22.2	22.7
85°	369.4	199.5	29.7	25.2	20.7	16.1	11.6	12.6	14.1	15.1	16.1
87.5°	6.6	3.5	0.0	1.0	2.5	3.5	4.5	6.0	7.1	8.6	9.6
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



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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°	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3
2.5°	1206.4	1213.9	1221.0	1228.5	1222.5	1216.9	1210.9	1204.8	1195.8	1187.2	1178.1
5°	1467.9	1442.7	1417.5	1392.3	1354.0	1315.7	1276.9	1238.6	1234.1	1229.5	1224.5
7.5°	1378.7	1319.7	1260.3	1201.3	1145.9	1090.5	1035.0	979.6	962.5	945.8	928.7
10°	1233.6	1188.2	1142.4	1097.0	1057.2	1016.9	977.1	936.8	894.9	853.1	810.8
12.5°	1200.3	1152.9	1105.1	1057.7	1021.4	985.1	948.9	912.6	865.7	818.9	772.0
15°	1130.8	1079.4	1028.0	976.6	928.2	879.8	830.9	782.6	726.1	669.7	613.3
17.5°	1045.6	985.1	924.2	863.2	799.7	736.2	672.7	609.2	544.2	479.7	414.7
20°	944.3	861.7	778.5	695.9	617.3	538.7	459.6	381.0	340.1	299.8	259.0
22.5°	820.9	713.5	606.7	499.4	434.9	369.9	305.4	240.4	222.7	205.1	187.5
25°	712.0	590.6	469.1	347.7	306.9	266.1	225.2	184.4	176.4	167.8	159.7
27.5°	598.6	484.8	370.4	256.0	232.8	209.1	185.9	162.3	156.7	151.7	146.1
30°	459.1	373.9	288.2	203.1	188.0	172.8	157.2	142.1	139.6	136.6	134.0
32.5°	355.8	293.3	231.3	168.8	160.2	151.7	143.1	134.5	130.5	126.5	121.9
35°	297.3	247.4	197.0	146.6	140.6	134.0	128.0	121.4	117.4	112.9	108.8
37.5°	246.4	210.1	173.3	136.6	130.0	123.5	116.4	109.9	106.8	103.8	100.8
40°	203.1	181.9	160.7	139.6	130.0	120.4	110.9	101.3	98.8	96.2	93.7
42.5°	167.8	154.2	140.1	126.5	119.4	112.9	105.8	98.8	95.2	91.2	87.7
45°	135.6	128.0	120.9	113.4	113.9	114.4	114.4	114.9	105.8	96.2	87.2
47.5°	109.9	106.3	102.3	98.8	102.8	106.8	110.4	114.4	104.8	95.2	85.2
50°	94.2	91.7	88.7	85.7	89.7	94.2	98.3	102.3	98.3	94.7	90.7
52.5°	86.2	82.6	79.1	75.6	77.1	79.1	80.6	82.1	82.1	82.1	82.1
55°	81.1	77.6	73.6	69.5	68.0	66.0	64.5	62.5	60.0	57.9	55.4
57.5°	77.1	73.1	68.5	64.5	62.0	59.0	56.4	53.4	50.9	47.9	45.4
60°	73.1	69.0	64.5	60.5	57.9	55.4	52.4	49.9	46.9	44.3	41.3
62.5°	67.5	64.0	60.5	56.9	54.4	52.4	49.9	47.4	44.3	41.3	37.8
65°	61.5	59.0	55.9	52.9	50.4	47.9	45.4	42.8	39.8	37.3	34.3
67.5°	55.9	53.4	51.4	48.9	45.9	43.3	40.3	37.3	35.3	33.3	30.7
70°	51.4	49.4	47.9	45.9	42.8	40.3	37.3	34.3	32.8	30.7	29.2
72.5°	46.9	45.4	43.3	41.8	39.3	36.8	34.3	31.7	30.2	28.7	27.2
75°	40.3	39.3	38.3	37.3	34.8	32.3	29.2	26.7	26.2	25.7	25.2
77.5°	36.3	35.8	34.8	33.8	31.2	28.7	26.2	23.7	24.2	24.7	24.7
80°	29.7	29.7	29.2	29.2	27.2	25.2	22.7	20.7	21.7	23.2	24.2
82.5°	22.7	22.7	22.7	22.7	20.7	18.6	16.6	14.6	16.1	17.1	18.6
85°	15.6	15.1	14.6	14.1	12.6	11.6	10.1	8.6	10.6	12.1	14.1
87.5°	9.6	10.1	10.1	10.1	9.1	7.6	6.6	5.0	6.0	6.6	7.6
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



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

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: P597037
 CATALOG NUMBER: MSA-SA3B-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3
2.5°	1169.1	1153.9	1138.8	1123.2	1108.1	1072.8	1037.5	1002.3	967.0	993.2	1018.9
5°	1220.0	1190.7	1161.0	1131.8	1102.0	1088.9	1076.3	1063.2	1050.1	1052.2	1054.7
7.5°	911.6	892.4	873.3	853.6	834.5	830.4	826.9	822.9	818.9	827.4	835.5
10°	769.0	742.3	715.0	688.3	661.1	646.5	631.9	617.3	602.7	601.2	599.1
12.5°	725.1	684.3	644.0	603.2	562.4	530.6	498.9	467.1	435.4	437.9	440.4
15°	556.8	516.0	475.7	434.9	394.1	368.4	342.2	316.5	290.3	282.7	275.1
17.5°	349.7	319.5	289.2	258.5	228.3	219.7	211.6	203.1	194.5	192.0	189.5
20°	218.2	205.1	192.0	178.4	165.3	163.3	161.3	159.2	157.2	158.7	160.2
22.5°	169.8	164.3	158.2	152.7	146.6	144.6	142.6	140.6	138.6	140.1	141.1
25°	151.2	147.1	143.1	139.1	135.0	133.0	130.5	128.5	126.0	127.0	128.5
27.5°	140.6	137.1	133.5	130.0	126.5	123.0	119.9	116.4	112.9	114.9	116.4
30°	131.0	127.0	123.5	119.4	115.4	111.9	108.3	104.3	100.8	102.8	104.8
32.5°	117.9	114.4	110.4	106.8	102.8	100.8	98.8	96.2	94.2	95.7	96.8
35°	104.3	101.3	98.8	95.7	92.7	90.7	89.2	87.2	85.2	85.7	86.7
37.5°	97.8	94.2	90.7	87.2	83.6	82.6	81.6	80.1	79.1	79.1	79.1
40°	91.2	87.7	84.2	80.1	76.6	75.1	73.6	72.1	70.5	70.5	70.5
42.5°	83.6	80.1	76.6	73.1	69.5	68.0	66.0	64.5	62.5	62.5	62.5
45°	77.6	74.1	71.1	67.5	64.0	61.5	59.0	55.9	53.4	52.9	52.4
47.5°	75.6	70.5	65.5	60.5	55.4	52.9	50.4	47.4	44.8	44.3	43.8
50°	86.7	76.6	66.5	56.4	46.4	44.3	42.3	40.3	38.3	37.3	36.8
52.5°	82.1	71.6	61.0	50.4	39.8	38.3	36.8	35.3	33.8	32.8	31.7
55°	52.9	48.4	44.3	39.8	35.3	34.3	33.3	31.7	30.7	29.7	28.7
57.5°	42.3	39.8	37.8	35.3	32.8	31.7	30.7	29.2	28.2	26.7	25.7
60°	38.3	36.3	34.3	32.3	30.2	29.2	28.2	27.2	26.2	24.7	23.7
62.5°	34.8	33.3	31.7	30.2	28.7	27.7	26.7	25.7	24.7	23.2	21.7
65°	31.2	30.2	29.2	28.2	27.2	26.2	25.2	23.7	22.7	21.2	19.7
67.5°	28.7	28.2	27.7	27.2	26.7	25.7	24.2	23.2	21.7	20.2	18.1
70°	27.2	27.2	27.2	26.7	26.7	25.7	24.2	23.2	21.7	19.7	18.1
72.5°	25.7	26.2	26.7	26.7	27.2	25.7	24.2	22.7	21.2	19.1	17.6
75°	24.7	25.2	25.7	25.7	26.2	25.2	24.2	22.7	21.7	19.7	17.6
77.5°	25.2	25.7	25.7	26.2	26.2	25.2	24.2	22.7	21.7	19.1	16.6
80°	25.2	24.7	24.2	23.2	22.7	20.7	18.6	16.1	14.1	11.1	8.6
82.5°	19.7	18.6	18.1	17.1	16.1	14.1	12.1	10.1	8.1	6.0	4.0
85°	15.6	14.6	14.1	13.1	12.1	10.6	8.6	7.1	5.0	4.0	2.5
87.5°	8.1	7.6	6.6	6.0	5.0	4.0	2.5	1.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P597037
 CATALOG NUMBER: MSA-SA3B-835-U-SLR-HSS

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: P597037
 CATALOG NUMBER: MSA-SA3B-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3
2.5°	1045.1	1070.8	1067.3	1063.7	1080.4	1097.0	1084.9	1073.3	1061.2	1049.1	1023.9
5°	1056.7	1058.7	1055.2	1051.2	1051.7	1052.2	1044.1	1036.0	1028.0	1019.9	1018.4
7.5°	844.0	852.1	863.2	873.8	874.3	874.3	868.2	862.2	855.6	849.6	852.6
10°	597.6	595.6	598.6	601.7	601.2	600.2	616.3	632.4	648.0	664.2	652.6
12.5°	442.4	445.0	432.4	419.8	424.3	428.3	430.8	433.4	435.9	438.4	445.5
15°	267.6	260.0	250.9	241.9	246.4	250.4	255.0	259.0	263.5	267.6	272.1
17.5°	186.4	183.9	179.9	175.4	175.9	176.4	176.9	177.4	177.4	177.9	178.9
20°	161.8	163.3	160.2	156.7	155.7	154.2	153.2	152.2	150.7	149.7	148.1
22.5°	142.6	143.6	144.1	144.1	142.1	139.6	137.6	136.1	134.0	132.0	131.0
25°	129.5	130.5	129.5	128.0	127.0	126.0	125.0	123.5	122.4	120.9	120.4
27.5°	118.4	119.9	119.9	119.4	118.4	116.9	114.4	112.4	109.9	107.3	107.8
30°	106.8	108.8	108.8	108.3	107.8	107.3	104.8	102.3	99.8	97.3	98.3
32.5°	98.3	99.3	98.8	98.3	98.3	97.8	95.7	94.2	92.2	90.2	90.2
35°	87.2	87.7	87.7	87.7	87.7	87.2	85.7	84.2	82.6	81.1	81.6
37.5°	79.1	79.1	80.6	81.6	80.6	79.6	78.6	77.1	76.1	74.6	74.6
40°	70.0	70.0	71.6	72.6	71.6	70.5	70.0	69.0	68.5	67.5	67.5
42.5°	62.0	62.0	63.5	64.5	64.5	64.0	63.0	62.0	61.0	60.0	60.5
45°	51.9	51.4	53.9	55.9	54.9	53.9	53.9	53.4	53.4	52.9	53.4
47.5°	42.8	42.3	44.3	46.4	45.9	44.8	44.8	44.8	44.8	44.8	45.4
50°	35.8	34.8	36.8	38.3	37.8	36.8	36.8	37.3	37.3	37.3	37.8
52.5°	30.7	29.7	31.2	32.3	31.7	31.2	31.2	31.7	31.7	31.7	32.3
55°	27.2	26.2	27.7	28.7	28.2	27.2	27.2	27.7	28.2	28.2	28.2
57.5°	24.2	22.7	23.7	24.7	24.7	24.2	24.7	24.7	25.2	25.2	25.2
60°	22.2	20.7	21.7	22.2	22.2	21.7	22.2	22.2	22.7	22.7	22.7
62.5°	19.7	18.1	19.1	19.7	19.7	19.1	19.7	19.7	20.2	20.2	20.2
65°	17.6	16.1	16.6	17.1	17.1	17.1	17.6	17.6	18.1	18.1	18.1
67.5°	16.6	14.6	15.1	15.6	15.6	15.6	16.1	16.1	16.6	16.6	17.1
70°	16.1	14.1	14.6	14.6	15.1	15.1	15.1	15.6	15.6	15.6	15.6
72.5°	15.6	13.6	13.6	13.6	14.1	14.1	14.1	14.6	14.6	14.6	14.6
75°	15.6	13.6	13.1	12.6	13.1	13.1	13.1	13.6	13.6	13.6	13.6
77.5°	13.6	11.1	10.1	8.6	10.1	11.1	11.6	11.6	12.1	12.1	12.1
80°	5.5	2.5	1.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5
82.5°	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P597037
 CATALOG NUMBER: MSA-SA3B-835-U-SLR-HSS

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: P597037
 CATALOG NUMBER: MSA-SA3B-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3
2.5°	998.7	973.6	948.4	960.4	972.5	984.6	996.7	995.7	994.2	993.2	991.7
5°	1017.4	1015.9	1014.4	1007.3	1000.8	993.7	986.7	985.1	983.1	981.6	979.6
7.5°	855.6	858.2	861.2	853.1	845.1	837.0	828.9	808.3	787.6	766.4	745.8
10°	641.0	628.9	617.3	616.3	615.3	614.3	613.3	611.2	609.2	606.7	604.7
12.5°	453.0	460.1	467.1	464.6	462.1	459.1	456.5	460.1	464.1	467.6	471.2
15°	276.1	280.7	284.7	293.8	302.8	311.9	321.0	324.5	328.5	332.1	335.6
17.5°	179.9	180.4	181.4	191.5	201.1	211.1	220.7	227.3	233.8	239.9	246.4
20°	146.6	145.1	143.6	149.2	154.7	160.2	165.8	171.8	177.9	183.9	190.0
22.5°	130.5	129.5	128.5	130.5	132.5	134.0	136.1	140.6	145.6	150.2	154.7
25°	119.9	118.9	118.4	119.4	120.4	121.4	122.4	125.0	127.5	130.0	132.5
27.5°	107.8	108.3	108.3	109.3	109.9	110.9	111.4	112.4	113.9	114.9	115.9
30°	98.8	99.8	100.3	101.3	101.8	102.8	103.3	102.8	102.3	101.8	101.3
32.5°	90.2	89.7	89.7	90.7	91.2	92.2	92.7	93.7	94.7	95.2	96.2
35°	81.6	82.1	82.1	82.1	82.6	82.6	82.6	83.6	85.2	86.2	87.2
37.5°	74.1	74.1	73.6	75.1	76.1	77.6	78.6	79.6	81.1	82.1	83.1
40°	67.5	67.5	67.5	68.5	69.5	70.0	71.1	73.6	76.1	78.6	81.1
42.5°	60.5	61.0	61.0	62.0	63.0	63.5	64.5	66.5	68.0	70.0	71.6
45°	53.9	54.4	54.9	55.9	56.4	57.4	57.9	59.0	59.5	60.5	61.0
47.5°	46.4	46.9	47.4	48.4	48.9	49.9	50.4	49.9	49.9	49.4	48.9
50°	38.8	39.3	39.8	41.3	42.3	43.8	44.8	43.8	42.8	41.3	40.3
52.5°	32.8	32.8	33.3	34.3	35.3	35.8	36.8	36.3	35.8	35.3	34.8
55°	28.2	28.2	28.2	28.7	29.2	29.7	30.2	30.7	30.7	31.2	31.2
57.5°	25.2	24.7	24.7	25.2	25.7	25.7	26.2	26.7	26.7	27.2	27.2
60°	22.7	22.2	22.2	22.7	23.2	23.7	24.2	24.2	24.2	23.7	23.7
62.5°	20.2	20.2	20.2	20.7	20.7	21.2	21.2	21.2	21.7	21.7	21.7
65°	18.6	18.6	18.6	18.6	18.6	18.1	18.1	18.6	18.6	19.1	19.1
67.5°	17.1	17.6	17.6	17.1	16.6	16.1	15.6	16.1	16.1	16.6	16.6
70°	15.6	15.6	15.6	15.1	14.6	14.1	13.6	13.6	13.6	13.1	13.1
72.5°	14.6	14.1	14.1	13.6	12.6	12.1	11.1	10.6	10.6	10.1	9.6
75°	13.6	13.1	13.1	12.1	11.1	10.1	9.1	8.6	7.6	7.1	6.0
77.5°	12.1	12.1	12.1	10.6	9.6	8.1	6.6	5.5	4.5	3.0	2.0
80°	4.0	4.5	5.0	4.5	4.5	4.0	3.5	2.5	2.0	1.0	0.0
82.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P597037
 CATALOG NUMBER: MSA-SA3B-835-U-SLR-HSS

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: P597037
 CATALOG NUMBER: MSA-SA3B-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3
2.5°	997.2	1002.8	1008.3	1013.9	1014.4	1014.9	1015.4	1015.9	1003.3	990.2	977.6
5°	989.7	1000.3	1010.3	1020.4	1014.9	1009.3	1003.8	998.2	997.7	997.7	997.2
7.5°	747.3	748.3	749.8	750.8	752.8	754.9	756.4	758.4	766.4	774.5	782.1
10°	598.1	591.6	584.5	578.0	572.9	567.4	562.4	556.8	560.8	565.4	569.4
12.5°	465.6	460.1	454.0	448.5	446.5	444.4	441.9	439.9	453.0	466.1	478.7
15°	334.6	333.6	332.1	331.1	337.6	344.2	350.7	357.3	368.4	378.9	390.0
17.5°	248.9	251.5	254.0	256.5	260.5	264.6	268.1	272.1	280.2	288.7	296.8
20°	193.0	196.5	199.5	202.6	201.6	200.6	199.0	198.0	204.6	211.1	217.2
22.5°	157.7	160.2	163.3	165.8	166.3	166.8	167.3	167.8	171.8	175.4	179.4
25°	135.0	138.1	140.6	143.1	143.6	144.1	144.6	145.1	150.2	155.2	159.7
27.5°	119.4	122.4	126.0	129.0	130.0	131.0	132.0	133.0	136.1	138.6	141.6
30°	105.3	109.3	113.4	117.4	118.9	120.4	121.9	123.5	126.5	130.0	133.0
32.5°	98.3	100.8	102.8	104.8	108.3	111.4	114.9	117.9	121.4	125.5	129.0
35°	90.2	92.7	95.7	98.3	100.8	103.3	105.3	107.8	109.9	111.9	113.4
37.5°	85.2	87.7	89.7	91.7	92.7	93.7	94.2	95.2	96.2	97.3	97.8
40°	81.1	80.6	80.6	80.1	81.1	82.6	83.6	84.7	87.7	90.2	93.2
42.5°	70.5	69.0	68.0	66.5	69.0	71.1	73.6	75.6	79.6	83.6	87.7
45°	60.0	59.0	57.4	56.4	60.0	63.5	67.0	70.5	75.1	79.1	83.6
47.5°	49.4	49.9	49.9	50.4	53.9	57.4	60.5	64.0	68.5	73.1	77.6
50°	41.3	42.3	43.3	44.3	47.9	50.9	54.4	57.4	62.5	67.0	72.1
52.5°	36.3	37.8	38.8	40.3	43.3	46.9	49.9	52.9	57.4	62.0	66.5
55°	32.8	34.8	36.3	37.8	40.3	42.8	45.4	47.9	52.4	56.9	61.0
57.5°	28.7	30.2	31.7	33.3	35.8	38.3	40.3	42.8	46.9	51.4	55.4
60°	25.2	26.2	27.7	28.7	30.7	33.3	35.3	37.3	41.3	45.4	48.9
62.5°	22.2	23.2	23.7	24.2	26.2	28.2	30.2	32.3	35.8	39.8	43.3
65°	19.7	20.2	20.2	20.7	22.2	24.2	25.7	27.2	31.2	34.8	38.8
67.5°	16.6	17.1	17.1	17.1	18.6	20.2	21.7	23.2	26.7	30.7	34.3
70°	13.1	13.6	13.6	13.6	15.1	17.1	18.6	20.2	23.2	26.2	29.2
72.5°	10.1	10.1	10.6	10.6	12.1	14.1	15.6	17.1	19.7	22.2	24.7
75°	6.6	7.1	7.1	7.6	9.1	11.1	12.6	14.1	16.6	19.1	21.2
77.5°	2.5	3.5	4.0	4.5	6.0	7.6	9.1	10.6	12.6	15.1	17.1
80°	0.0	0.5	0.5	0.5	1.5	2.0	3.0	3.5	5.0	7.1	8.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P597037
 CATALOG NUMBER: MSA-SA3B-835-U-SLR-HSS

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: P597037
 CATALOG NUMBER: MSA-SA3B-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3
2.5°	964.5	992.2	1019.9	1047.6	1075.3	1109.6	1143.9	1148.9	1153.9	1147.9	1142.4
5°	996.7	1010.3	1023.4	1037.0	1050.1	1089.4	1128.2	1128.8	1128.8	1129.3	1129.3
7.5°	790.1	801.7	813.3	824.4	836.0	861.7	887.4	897.0	906.0	904.0	902.0
10°	573.4	588.6	603.2	618.3	632.9	656.6	680.3	689.3	697.9	725.6	753.8
12.5°	491.8	506.4	521.0	535.2	549.8	574.0	598.1	615.8	632.9	650.0	667.2
15°	400.6	412.2	424.3	435.9	447.5	458.6	469.6	491.3	512.5	529.6	546.7
17.5°	304.9	309.9	314.4	319.5	324.0	329.1	334.1	343.2	351.7	366.8	381.5
20°	223.7	227.8	231.8	235.3	239.4	244.4	249.4	256.0	262.0	265.6	268.6
22.5°	182.9	189.0	195.0	200.6	206.6	210.1	213.7	215.7	217.7	219.2	220.7
25°	164.8	170.3	175.4	180.9	185.9	187.5	189.0	193.0	197.0	197.0	197.0
27.5°	144.1	151.7	159.7	167.3	174.9	176.9	178.4	179.9	180.9	178.9	176.4
30°	136.1	143.6	151.2	158.2	165.8	168.8	171.3	172.8	174.4	171.8	169.3
32.5°	132.5	139.6	146.1	153.2	159.7	163.8	167.3	171.3	174.9	175.4	176.4
35°	115.4	119.9	125.0	129.5	134.0	136.1	138.1	139.6	140.6	140.6	140.6
37.5°	98.8	104.8	111.4	117.4	123.5	128.0	132.5	133.0	133.0	134.0	135.6
40°	95.7	101.8	107.8	113.4	119.4	124.5	129.0	129.5	130.0	131.0	132.0
42.5°	91.7	98.3	104.8	111.4	117.9	123.0	127.5	127.5	127.0	128.5	129.5
45°	87.7	94.2	100.3	106.8	112.9	119.4	125.5	124.0	121.9	124.5	126.5
47.5°	82.1	89.2	96.2	102.8	109.9	115.9	121.4	120.4	118.9	121.4	124.0
50°	76.6	83.6	90.7	97.8	104.8	111.4	117.4	116.4	115.4	118.4	120.9
52.5°	71.1	78.1	85.7	92.7	99.8	105.3	110.4	109.9	109.3	112.4	115.9
55°	65.5	72.1	79.1	85.7	92.2	98.3	103.8	102.8	101.8	104.3	106.8
57.5°	59.5	66.0	72.1	78.6	84.7	89.7	94.2	92.7	91.2	94.2	97.3
60°	52.9	59.0	65.0	70.5	76.6	80.6	84.2	83.1	81.6	84.7	87.7
62.5°	46.9	52.4	57.9	63.0	68.5	71.6	74.6	73.6	72.6	75.6	79.1
65°	42.3	46.9	50.9	55.4	59.5	62.5	65.5	64.0	62.5	66.0	69.0
67.5°	37.8	41.3	45.4	48.9	52.4	54.9	57.4	56.4	54.9	57.4	60.0
70°	32.3	35.8	39.3	42.3	45.9	48.4	50.9	49.4	47.4	49.9	52.4
72.5°	27.2	30.2	33.3	35.8	38.8	40.8	42.8	41.3	39.8	41.8	43.8
75°	23.7	26.2	28.7	30.7	33.3	34.3	35.3	34.8	33.8	35.8	37.3
77.5°	19.1	21.2	23.7	25.7	27.7	27.7	27.7	28.2	28.2	30.2	32.8
80°	10.1	12.1	14.1	15.6	17.6	17.6	17.1	18.1	18.6	21.2	23.7
82.5°	0.0	1.5	3.0	4.5	6.0	5.5	4.5	5.0	5.0	6.0	7.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P597037
 CATALOG NUMBER: MSA-SA3B-835-U-SLR-HSS

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: P597037

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

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3
2.5°	1136.3	1130.3	1126.2	1122.7	1118.7	1114.6	1119.7	1124.7	1129.3	1134.3	1149.4
5°	1129.8	1129.8	1126.2	1122.7	1119.2	1115.7	1123.2	1130.3	1137.8	1144.9	1144.4
7.5°	899.5	897.5	918.6	939.3	960.4	981.1	986.7	992.2	997.2	1002.8	1001.3
10°	781.6	809.3	818.3	827.4	836.5	845.6	856.6	867.7	878.8	889.9	893.9
12.5°	684.3	701.4	730.7	759.4	788.6	817.3	832.0	847.1	861.7	876.3	905.0
15°	563.9	581.0	606.2	631.4	656.6	681.8	705.0	728.7	751.8	775.0	809.8
17.5°	396.6	411.2	430.3	449.5	468.1	487.3	523.1	558.8	594.6	630.4	667.2
20°	272.1	275.1	284.2	293.8	302.8	311.9	344.2	376.9	409.2	441.4	489.8
22.5°	221.7	223.2	227.8	232.3	236.3	240.9	257.5	274.6	291.3	307.9	347.2
25°	196.5	196.5	199.5	202.6	205.6	208.6	217.7	226.8	235.3	244.4	269.6
27.5°	174.4	171.8	176.4	180.9	185.4	190.0	196.5	203.6	210.1	216.7	233.8
30°	166.8	164.3	169.8	175.4	180.9	186.4	193.0	199.5	205.6	212.1	223.7
32.5°	176.9	177.4	179.4	181.4	182.9	184.9	188.0	191.5	194.5	197.5	207.6
35°	140.6	140.6	144.1	147.6	150.7	154.2	159.7	165.3	170.8	176.4	186.9
37.5°	136.6	137.6	140.6	144.1	147.1	150.2	157.2	164.8	171.8	178.9	187.5
40°	132.5	133.5	137.6	141.6	145.6	149.7	156.7	163.3	170.3	176.9	184.9
42.5°	131.0	132.0	137.1	142.6	147.6	152.7	158.7	164.8	170.3	176.4	187.5
45°	129.0	131.0	137.1	143.6	149.7	155.7	161.3	166.8	172.3	177.9	191.5
47.5°	126.0	128.5	135.6	142.1	149.2	155.7	166.3	177.4	188.0	198.5	205.1
50°	124.0	126.5	134.0	141.6	149.2	156.7	173.8	191.0	207.6	224.7	221.2
52.5°	118.9	121.9	131.5	141.1	150.7	160.2	175.4	190.5	205.6	220.7	213.7
55°	109.3	111.9	123.0	134.0	144.6	155.7	166.8	177.9	188.5	199.5	191.5
57.5°	99.8	102.8	113.4	124.0	134.0	144.6	150.2	155.7	161.3	166.8	163.8
60°	90.7	93.7	107.8	121.9	136.1	150.2	145.1	140.1	134.5	129.5	133.0
62.5°	82.1	85.2	98.8	111.9	125.5	138.6	131.5	124.5	117.4	110.4	115.9
65°	72.6	75.6	80.6	86.2	91.2	96.2	95.7	94.7	94.2	93.2	99.3
67.5°	62.5	65.0	67.5	70.5	73.1	75.6	77.1	79.1	80.6	82.1	87.2
70°	54.4	56.9	60.0	62.5	65.5	68.0	69.0	70.0	70.5	71.6	76.1
72.5°	45.4	47.4	51.4	55.4	59.0	63.0	63.5	63.5	64.0	64.0	67.5
75°	39.3	40.8	43.8	46.9	49.4	52.4	53.9	55.4	56.4	57.9	60.0
77.5°	34.8	36.8	37.8	38.3	39.3	39.8	40.8	41.8	42.8	43.8	44.3
80°	25.7	28.2	29.2	29.7	30.7	31.2	31.2	30.7	30.7	30.2	30.7
82.5°	8.1	9.1	10.6	12.1	13.6	15.1	15.6	16.1	16.1	16.6	16.1
85°	1.5	2.0	3.0	4.0	4.5	5.5	5.0	4.0	3.5	2.5	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P597037
 CATALOG NUMBER: MSA-SA3B-835-U-SLR-HSS

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: P597037
 CATALOG NUMBER: MSA-SA3B-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3
2.5°	1164.5	1179.1	1194.3	1188.2	1182.2	1176.1	1170.1	1171.1	1172.6	1173.6	1174.6
5°	1143.9	1142.9	1142.4	1159.5	1177.1	1194.3	1211.4	1230.0	1249.2	1267.8	1286.5
7.5°	999.8	997.7	996.2	1018.4	1040.6	1062.7	1084.9	1110.6	1136.8	1162.5	1188.2
10°	898.0	902.0	906.0	915.1	924.7	933.7	942.8	967.5	992.2	1016.4	1041.1
12.5°	933.7	962.0	990.7	996.2	1001.3	1006.8	1011.8	1015.4	1018.9	1022.4	1026.0
15°	845.1	879.8	914.6	929.2	943.3	957.9	972.0	1009.3	1046.1	1083.4	1120.2
17.5°	704.0	740.2	777.0	820.9	864.7	908.5	952.4	992.7	1033.0	1073.3	1113.6
20°	538.7	587.1	635.4	690.9	746.8	802.2	857.7	898.0	937.8	978.1	1017.9
22.5°	387.0	426.3	465.6	532.6	599.1	666.2	732.7	802.7	873.3	943.3	1013.4
25°	294.8	319.5	344.7	410.7	476.7	542.2	608.2	704.5	800.7	897.0	993.2
27.5°	250.4	267.6	284.2	343.7	403.1	462.1	521.5	635.9	750.3	864.7	979.1
30°	235.8	247.4	259.0	309.4	360.3	410.7	461.1	577.0	692.9	808.8	924.7
32.5°	217.7	227.3	237.3	281.7	326.0	369.9	414.2	527.6	641.0	753.8	867.2
35°	197.0	207.6	217.7	262.0	306.4	350.2	394.6	512.0	629.4	746.8	864.2
37.5°	195.5	204.1	212.1	263.5	315.4	366.8	418.2	535.7	653.1	770.0	887.4
40°	193.5	201.6	209.6	262.0	313.9	366.3	418.2	541.2	664.2	787.1	910.1
42.5°	198.5	209.1	220.2	266.6	312.9	358.8	405.1	534.6	664.2	793.2	922.7
45°	205.6	219.2	232.8	275.1	317.5	359.8	402.1	542.7	683.3	823.4	964.0
47.5°	212.1	218.7	225.2	265.6	305.4	345.7	385.5	529.1	672.7	816.3	959.9
50°	218.2	214.7	211.1	255.5	299.8	343.7	388.0	525.1	661.6	798.7	935.3
52.5°	206.1	199.0	191.5	238.9	286.2	333.1	380.5	518.5	656.6	794.7	932.7
55°	183.4	175.4	167.3	214.2	260.5	307.4	353.7	491.3	628.9	766.4	904.0
57.5°	160.2	157.2	153.7	189.5	225.2	260.5	296.3	449.0	602.2	754.9	907.5
60°	136.6	139.6	143.1	168.8	194.5	219.7	245.4	395.1	544.2	693.9	843.0
62.5°	120.9	126.5	131.5	153.2	175.4	197.0	218.7	359.8	500.9	642.0	783.1
65°	105.8	111.9	117.9	143.6	169.8	195.5	221.2	340.6	460.1	579.5	698.9
67.5°	92.2	96.8	101.8	135.6	169.3	203.1	236.8	334.6	431.8	529.6	626.9
70°	80.6	84.7	89.2	128.5	167.8	207.1	246.4	329.6	413.2	496.3	579.5
72.5°	71.1	74.6	78.1	117.9	157.7	197.5	237.3	311.4	385.0	459.1	532.6
75°	62.0	63.5	65.5	99.3	132.5	166.3	199.5	248.9	298.8	348.2	397.6
77.5°	44.8	44.8	45.4	55.4	65.0	75.1	84.7	115.4	146.1	176.4	207.1
80°	30.7	31.2	31.2	35.3	38.8	42.8	46.4	52.9	59.0	65.5	71.6
82.5°	15.6	14.6	14.1	18.1	22.2	26.2	30.2	31.7	32.8	34.3	35.3
85°	1.5	0.5	0.0	2.5	5.0	7.6	10.1	12.1	14.1	16.1	18.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P597037
 CATALOG NUMBER: MSA-SA3B-835-U-SLR-HSS

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: P597037

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3
2.5°	1170.6	1166.5	1162.5	1158.5	1183.2	1208.4	1233.1	1257.8	1327.8	1373.7	1368.6
5°	1304.6	1322.8	1340.9	1359.0	1388.3	1418.0	1447.2	1476.5	1580.3	1643.7	1652.8
7.5°	1216.4	1244.1	1272.4	1300.1	1356.5	1412.5	1468.9	1524.8	1610.0	1676.0	1713.3
10°	1072.8	1104.6	1135.8	1167.6	1231.0	1295.0	1358.5	1422.0	1517.8	1609.0	1655.8
12.5°	1075.8	1125.7	1175.6	1225.5	1280.9	1336.4	1391.3	1446.7	1505.2	1535.9	1601.9
15°	1159.5	1198.8	1238.1	1277.4	1350.0	1422.5	1494.6	1567.2	1601.9	1676.0	1753.1
17.5°	1190.2	1267.3	1343.9	1420.5	1511.2	1601.4	1692.1	1782.3	1847.8	1950.6	2030.2
20°	1133.3	1248.7	1363.6	1479.0	1603.4	1727.9	1852.4	1976.8	2048.4	2146.1	2269.1
22.5°	1135.8	1258.3	1380.2	1502.7	1674.5	1845.8	2017.6	2189.0	2381.0	2569.4	2629.4
25°	1153.4	1313.7	1473.4	1633.7	1832.2	2030.7	2229.3	2427.8	2659.6	2857.7	2937.3
27.5°	1159.5	1339.9	1519.8	1700.2	1982.4	2264.6	2546.8	2828.9	3105.6	3329.3	3414.5
30°	1144.9	1365.6	1585.8	1806.0	2152.2	2498.4	2844.6	3190.7	3453.3	3713.8	3819.6
32.5°	1148.4	1429.6	1710.8	1991.9	2399.6	2807.8	3215.4	3623.1	3790.9	4025.7	4212.2
35°	1172.6	1481.0	1788.9	2097.3	2548.3	2999.3	3450.3	3901.3	4176.4	4424.3	4582.5
37.5°	1229.0	1570.7	1911.8	2253.5	2807.8	3362.6	3916.9	4471.2	4897.0	5322.8	5395.3
40°	1270.9	1631.7	1992.5	2353.3	2996.7	3640.2	4283.7	4927.2	5408.9	5871.0	5920.4
42.5°	1318.2	1713.3	2108.9	2503.9	3223.5	3943.1	4662.7	5382.2	5940.1	6411.2	6444.0
45°	1370.1	1776.8	2182.9	2589.1	3342.9	4096.3	4850.1	5603.5	6255.0	6802.3	6678.8
47.5°	1394.8	1829.7	2264.6	2699.4	3507.7	4315.5	5123.7	5931.5	6516.0	6998.8	6854.7
50°	1414.0	1892.2	2370.9	2849.1	3696.7	4544.2	5391.8	6239.4	6825.4	7270.9	7045.1
52.5°	1467.9	2002.5	2537.7	3072.3	3973.8	4874.8	5776.3	6677.3	7244.2	7653.4	7336.9
55°	1520.3	2136.1	2752.3	3368.1	4337.6	5307.7	6277.2	7246.7	7811.1	8161.8	7732.0
57.5°	1586.3	2265.6	2944.3	3623.1	4660.1	5697.2	6733.7	7770.8	8322.5	8710.0	8263.6
60°	1569.2	2294.8	3020.9	3746.6	4802.7	5858.9	6915.1	7971.3	8626.9	9103.1	8800.2
62.5°	1502.7	2222.2	2941.3	3660.9	4698.4	5735.5	6773.0	7810.1	8595.7	9240.7	9138.9
65°	1368.1	2036.8	2706.0	3374.7	4365.4	5356.5	6347.2	7337.9	8307.4	9128.3	9164.6
67.5°	1191.2	1755.6	2319.5	2883.9	3808.0	4732.2	5655.9	6580.0	7724.4	8681.8	8789.7
70°	1003.8	1427.6	1851.9	2275.6	3089.0	3902.3	4715.1	5528.4	6718.1	7681.6	7885.2
72.5°	804.7	1077.4	1349.5	1621.6	2208.6	2795.2	3382.2	3968.8	5015.4	5763.2	6118.5
75°	521.5	645.5	769.5	893.4	1284.5	1675.0	2066.0	2456.6	3151.4	3702.2	4103.8
77.5°	232.3	257.5	282.2	307.4	609.2	911.1	1212.9	1514.7	1816.6	2149.2	2243.4
80°	83.1	94.2	105.8	116.9	265.1	413.7	561.9	710.0	856.1	1028.0	1069.8
82.5°	34.8	34.8	34.3	33.8	86.7	139.6	192.5	245.4	283.7	326.0	334.1
85°	14.1	10.6	6.6	2.5	11.1	20.2	28.7	37.3	60.0	54.4	100.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P597037
 CATALOG NUMBER: MSA-SA3B-835-U-SLR-HSS

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: P597037

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3
2.5°	1349.5	1348.5	1347.4	1346.4	1345.4	1327.3	1309.7	1291.5	1273.9	1296.1	1318.2
5°	1638.2	1664.4	1690.6	1717.3	1743.5	1751.1	1758.6	1766.2	1773.8	1789.9	1806.0
7.5°	1744.5	1788.9	1832.7	1877.1	1920.9	1961.7	2002.0	2042.8	2083.7	2073.6	2063.5
10°	1707.7	1787.9	1868.0	1948.6	2028.7	2046.4	2064.0	2082.1	2099.8	2145.6	2191.5
12.5°	1667.9	1764.2	1860.4	1956.7	2052.9	2106.3	2159.2	2212.7	2266.1	2312.4	2358.8
15°	1856.9	1918.4	1979.9	2041.8	2103.3	2150.2	2196.5	2243.4	2289.8	2322.0	2353.8
17.5°	2105.3	2135.6	2165.8	2196.5	2226.8	2263.6	2300.3	2337.1	2373.9	2393.1	2412.2
20°	2367.9	2381.0	2394.1	2407.2	2420.3	2391.0	2361.8	2332.6	2303.4	2321.5	2339.1
22.5°	2631.4	2635.9	2641.0	2645.5	2650.1	2582.0	2514.0	2446.0	2377.9	2349.2	2320.5
25°	3037.1	3003.8	2970.5	2937.3	2904.0	2823.4	2742.8	2662.1	2581.5	2510.5	2439.4
27.5°	3476.5	3363.6	3251.2	3138.3	3026.0	2945.3	2864.7	2784.1	2703.5	2596.6	2489.8
30°	3919.4	3737.5	3556.1	3374.2	3192.8	3097.0	3001.3	2905.0	2809.3	2702.5	2596.1
32.5°	4325.5	4106.8	3888.2	3669.0	3450.3	3289.0	3127.8	2966.5	2805.3	2730.7	2656.1
35°	4662.2	4403.7	4145.1	3886.1	3627.6	3467.9	3308.2	3148.4	2988.7	2877.8	2767.5
37.5°	5237.6	4946.9	4656.1	4365.4	4074.6	3856.4	3638.7	3420.5	3202.3	3128.3	3054.2
40°	5768.2	5401.9	5035.6	4669.2	4302.9	4120.0	3937.5	3754.6	3572.2	3450.8	3329.8
42.5°	6190.0	5804.0	5418.5	5032.5	4646.5	4465.6	4285.2	4104.3	3923.4	3842.3	3761.7
45°	6281.2	5917.4	5554.1	5190.3	4826.4	4721.1	4616.3	4511.0	4406.2	4350.2	4294.8
47.5°	6461.1	6066.5	5672.5	5277.9	4883.4	4836.0	4788.6	4740.8	4693.4	4720.1	4746.8
50°	6561.9	6159.3	5756.6	5354.0	4951.4	4965.0	4978.1	4991.7	5005.3	5194.8	5383.8
52.5°	6757.4	6350.8	5944.1	5537.4	5130.8	5216.5	5301.6	5387.3	5472.4	5733.5	5994.0
55°	7106.6	6707.0	6307.4	5907.3	5507.7	5620.6	5733.5	5846.8	5959.7	6236.9	6513.5
57.5°	7624.1	7227.6	6831.5	6434.9	6038.8	6151.2	6263.6	6375.9	6488.3	6738.8	6988.7
60°	8275.7	7868.5	7461.9	7054.7	6648.1	6690.4	6732.2	6774.5	6816.9	7086.0	7354.5
62.5°	8783.1	8408.7	8034.8	7660.4	7286.5	7239.6	7193.3	7146.4	7100.1	7304.6	7508.7
65°	8901.0	8637.5	8374.4	8110.9	7847.4	7703.2	7559.6	7415.5	7271.4	7354.0	7436.7
67.5°	8563.4	8385.5	8208.2	8030.3	7852.4	7551.6	7250.7	6949.4	6648.6	6604.7	6560.9
70°	7779.8	7682.6	7585.8	7488.6	7391.8	6928.2	6465.1	6001.5	5538.5	5427.1	5315.7
72.5°	6139.1	6199.6	6260.0	6321.0	6381.5	5885.1	5389.3	4892.9	4396.6	4255.5	4114.9
75°	4329.1	4534.2	4739.3	4944.3	5149.4	4696.9	4244.9	3792.4	3339.9	3204.4	3069.3
77.5°	2347.2	2731.7	3116.2	3500.6	3885.1	3511.7	3138.8	2765.4	2392.1	2297.8	2204.1
80°	1112.6	1334.3	1555.6	1777.3	1999.0	1914.9	1830.7	1746.0	1661.9	1682.5	1703.2
82.5°	341.1	501.4	661.6	821.9	982.1	994.7	1006.8	1019.4	1032.0	1063.2	1094.0
85°	114.4	156.7	199.0	241.4	283.7	358.3	432.9	507.9	582.5	534.1	486.3
87.5°	0.0	1.5	2.5	4.0	5.0	15.6	26.2	36.8	47.4	40.8	34.8
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



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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: P597037

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

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3
2.5°	1340.9	1363.1	1363.6	1364.6	1365.1	1365.6	1368.1	1370.6	1373.7	1376.2	1359.5
5°	1822.6	1838.8	1809.0	1779.3	1749.1	1719.3	1746.0	1772.7	1799.5	1826.2	1814.6
7.5°	2052.9	2042.8	2039.3	2036.3	2032.8	2029.7	2039.8	2049.9	2060.0	2070.1	2069.0
10°	2237.4	2283.2	2294.3	2305.4	2317.0	2328.1	2304.9	2281.7	2258.5	2235.3	2225.8
12.5°	2405.2	2451.5	2488.3	2525.1	2562.4	2599.2	2565.9	2533.1	2499.9	2467.1	2435.9
15°	2386.0	2417.8	2448.0	2478.2	2508.5	2538.7	2527.6	2517.0	2505.9	2494.8	2489.8
17.5°	2431.9	2451.0	2444.0	2436.9	2429.3	2422.3	2418.8	2415.7	2412.2	2408.7	2396.6
20°	2357.3	2375.4	2370.9	2366.9	2362.3	2357.8	2354.8	2351.7	2348.7	2345.7	2336.1
22.5°	2291.8	2263.1	2255.5	2248.4	2240.9	2233.8	2234.8	2235.8	2236.3	2237.4	2280.7
25°	2368.4	2297.3	2269.6	2241.9	2213.7	2186.0	2198.6	2210.6	2223.2	2235.8	2298.3
27.5°	2382.5	2275.6	2231.3	2187.0	2142.6	2098.3	2143.6	2189.0	2234.3	2279.7	2381.0
30°	2489.3	2383.0	2321.0	2259.5	2197.5	2136.1	2194.0	2252.0	2309.9	2367.9	2477.7
32.5°	2581.0	2506.4	2462.1	2417.8	2373.4	2329.1	2331.6	2333.6	2336.1	2338.6	2493.3
35°	2656.6	2546.2	2505.9	2466.1	2425.8	2386.0	2446.0	2505.9	2565.9	2625.9	2764.9
37.5°	2980.1	2906.0	2832.0	2758.4	2684.3	2610.7	2658.6	2706.5	2754.9	2802.7	2956.4
40°	3208.4	3087.4	3068.3	3049.7	3030.5	3011.9	3036.5	3060.7	3085.4	3110.1	3244.7
42.5°	3680.5	3599.4	3547.5	3496.1	3444.2	3392.8	3412.5	3432.1	3452.3	3471.9	3599.4
45°	4238.9	4182.9	4148.7	4114.4	4079.6	4045.4	4015.6	3986.4	3956.7	3927.5	4057.0
47.5°	4773.5	4800.2	4875.8	4950.9	5026.5	5101.6	5040.1	4978.6	4916.6	4855.2	4855.7
50°	5573.2	5762.2	5800.5	5838.3	5876.6	5914.4	5783.4	5652.3	5520.8	5389.8	5374.2
52.5°	6255.0	6515.5	6529.1	6542.7	6556.9	6570.5	6517.5	6464.6	6411.2	6358.3	6217.7
55°	6790.7	7067.3	7086.0	7104.1	7122.7	7140.9	7094.5	7048.7	7002.3	6955.9	6813.8
57.5°	7239.1	7489.1	7500.2	7510.7	7521.8	7532.9	7536.4	7540.0	7544.0	7547.5	7355.5
60°	7623.6	7892.7	7870.5	7848.9	7826.7	7805.0	7771.8	7738.5	7705.3	7672.0	7548.0
62.5°	7713.3	7917.9	7883.6	7849.9	7815.6	7781.9	7753.6	7725.9	7697.7	7669.5	7590.4
65°	7519.3	7602.0	7566.7	7531.4	7495.6	7460.4	7442.2	7424.6	7406.4	7388.3	7378.2
67.5°	6516.5	6472.7	6514.5	6556.3	6598.2	6640.0	6696.9	6753.9	6811.3	6868.3	6835.0
70°	5203.9	5092.5	5138.9	5184.7	5231.1	5276.9	5363.1	5449.3	5535.9	5622.1	5598.9
72.5°	3973.8	3832.7	3839.3	3845.8	3852.9	3859.4	3856.9	3854.9	3852.4	3849.9	3890.2
75°	2933.8	2798.2	2734.2	2670.2	2606.2	2542.2	2526.6	2511.0	2495.4	2479.7	2554.8
77.5°	2109.9	2016.1	1972.3	1929.0	1885.1	1841.8	1864.0	1886.1	1908.8	1931.0	1957.2
80°	1724.4	1745.0	1711.3	1678.0	1644.3	1610.5	1635.7	1660.4	1685.6	1710.8	1632.7
82.5°	1125.2	1156.0	1052.2	948.4	844.5	740.7	803.7	866.7	930.2	993.2	961.0
85°	437.9	390.0	332.6	275.6	218.2	160.7	209.1	257.5	305.9	354.2	386.5
87.5°	28.2	22.2	17.6	13.1	8.1	3.5	7.6	11.6	16.1	20.2	33.8
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: P597037
 CATALOG NUMBER: MSA-SA3B-835-U-SLR-HSS

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: P597037

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

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3	1065.3
2.5°	1343.4	1326.8	1310.7	1278.9	1247.2	1215.4	1183.7	1228.0	1272.4	1316.7	1361.1
5°	1803.5	1791.9	1780.8	1783.8	1786.9	1790.4	1793.4	1800.0	1806.5	1812.6	1819.1
7.5°	2068.5	2067.5	2066.5	2043.3	2020.2	1996.5	1973.3	1984.9	1996.5	2008.1	2019.7
10°	2216.7	2207.1	2197.5	2146.6	2095.8	2044.4	1993.5	1971.3	1948.6	1926.4	1904.3
12.5°	2404.6	2372.9	2341.7	2287.2	2233.3	2178.9	2124.5	2104.3	2083.7	2063.5	2042.8
15°	2485.3	2480.2	2475.7	2436.9	2397.6	2358.8	2319.5	2250.5	2180.9	2111.9	2042.8
17.5°	2384.5	2371.9	2359.8	2421.3	2482.3	2543.7	2605.2	2533.6	2462.1	2390.5	2319.0
20°	2326.5	2317.0	2307.4	2421.8	2535.7	2650.1	2763.9	2732.2	2699.9	2668.2	2636.4
22.5°	2324.0	2367.9	2411.2	2511.5	2611.3	2711.5	2811.3	2866.2	2921.7	2976.6	3031.5
25°	2360.8	2423.8	2486.3	2652.6	2818.9	2985.7	3151.9	3214.9	3277.4	3340.4	3402.9
27.5°	2481.7	2583.0	2683.8	2828.9	2974.1	3119.7	3264.8	3402.4	3540.5	3678.0	3815.6
30°	2587.1	2696.9	2806.8	2979.6	3151.9	3324.8	3497.1	3669.5	3841.8	4014.1	4186.5
32.5°	2648.0	2803.2	2957.9	3168.1	3377.7	3587.8	3798.0	3986.9	4175.9	4364.3	4553.3
35°	2904.0	3043.6	3182.7	3415.0	3647.3	3880.1	4112.4	4346.2	4580.0	4813.3	5047.1
37.5°	3110.1	3264.3	3418.0	3672.0	3925.4	4179.4	4433.4	4756.4	5079.9	5402.9	5725.9
40°	3379.2	3513.8	3648.3	3886.1	4123.5	4361.3	4599.2	5008.8	5418.5	5827.7	6237.4
42.5°	3726.4	3853.9	3981.4	4235.9	4490.3	4744.8	4999.3	5452.8	5906.3	6359.3	6812.8
45°	4186.5	4316.5	4446.0	4648.6	4851.1	5053.7	5256.3	5738.5	6220.2	6702.5	7184.2
47.5°	4856.2	4856.7	4857.2	5003.3	5149.4	5296.1	5442.2	5928.0	6413.2	6899.0	7384.3
50°	5358.6	5342.4	5326.8	5402.4	5477.5	5553.1	5628.7	6075.6	6523.1	6970.1	7417.0
52.5°	6077.6	5937.0	5797.0	5841.8	5886.1	5931.0	5975.3	6353.8	6732.7	7111.1	7489.6
55°	6672.2	6530.1	6388.0	6371.4	6354.8	6338.2	6321.5	6669.7	7017.9	7366.1	7714.3
57.5°	7164.1	6972.1	6780.6	6742.3	6704.5	6666.2	6627.9	6995.3	7362.1	7729.4	8096.3
60°	7424.6	7300.6	7176.7	7152.0	7126.8	7102.1	7076.9	7378.2	7679.6	7980.9	8282.2
62.5°	7511.8	7432.6	7354.0	7400.4	7446.8	7493.6	7540.0	7672.5	7804.5	7937.1	8069.1
65°	7368.6	7358.6	7348.5	7443.7	7538.5	7633.7	7728.9	7696.2	7662.9	7630.2	7597.4
67.5°	6802.3	6769.0	6736.2	6945.4	7154.0	7363.1	7572.2	7413.5	7254.3	7095.5	6936.8
70°	5575.7	5552.1	5528.9	5830.2	6131.6	6433.4	6734.7	6542.2	6349.7	6157.3	5964.8
72.5°	3930.0	3970.3	4010.6	4365.9	4720.6	5075.9	5430.6	5236.6	5042.6	4848.6	4654.6
75°	2629.4	2704.5	2779.6	3145.4	3511.2	3877.6	4243.4	4015.6	3787.9	3560.1	3332.3
77.5°	1983.4	2009.6	2035.8	2267.1	2498.4	2730.2	2961.5	2773.5	2585.0	2397.1	2208.6
80°	1554.6	1475.9	1397.8	1473.9	1550.0	1626.1	1702.2	1589.8	1477.5	1365.6	1253.2
82.5°	928.7	896.5	864.2	905.5	946.3	987.7	1029.0	980.6	931.7	883.4	834.5
85°	418.2	450.5	482.2	524.1	565.4	607.2	649.0	581.5	514.0	446.5	378.9
87.5°	46.9	60.5	74.1	91.7	109.3	127.0	144.6	112.9	80.6	48.9	17.1
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: P597037
 CATALOG NUMBER: MSA-SA3B-835-U-SLR-HSS

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: P597037
 CATALOG NUMBER: MSA-SA3B-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1065.3	1065.3
2.5°	1386.8	1412.5
5°	1818.6	1817.6
7.5°	1989.4	1958.7
10°	1876.0	1847.8
12.5°	1970.8	1898.7
15°	1988.4	1934.0
17.5°	2230.3	2141.1
20°	2522.1	2407.2
22.5°	2874.3	2716.6
25°	3215.4	3028.0
27.5°	3703.2	3590.3
30°	4072.6	3958.2
32.5°	4475.7	4398.1
35°	4970.0	4892.4
37.5°	5746.1	5765.7
40°	6249.5	6261.6
42.5°	6859.7	6906.6
45°	7236.6	7289.0
47.5°	7457.3	7530.4
50°	7534.9	7652.9
52.5°	7635.2	7780.3
55°	7876.1	8037.8
57.5°	8225.3	8354.3
60°	8288.3	8294.3
62.5°	7975.9	7882.6
65°	7498.2	7398.9
67.5°	6876.8	6816.4
70°	5885.1	5805.5
72.5°	4506.4	4358.3
75°	3148.9	2965.5
77.5°	2112.4	2016.1
80°	1256.2	1258.8
82.5°	857.7	880.3
85°	374.4	369.4
87.5°	12.1	6.6
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: P597037
CATALOG NUMBER: MSA-SA3B-835-U-SLR-HSS

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)