

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: P597059

Luminaire Tested: **MSA-SA3C-835-U-SLR-HSS**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P597059
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-SA3C-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: 10948 lumens
Efficiency: N/A
Efficacy: 66.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

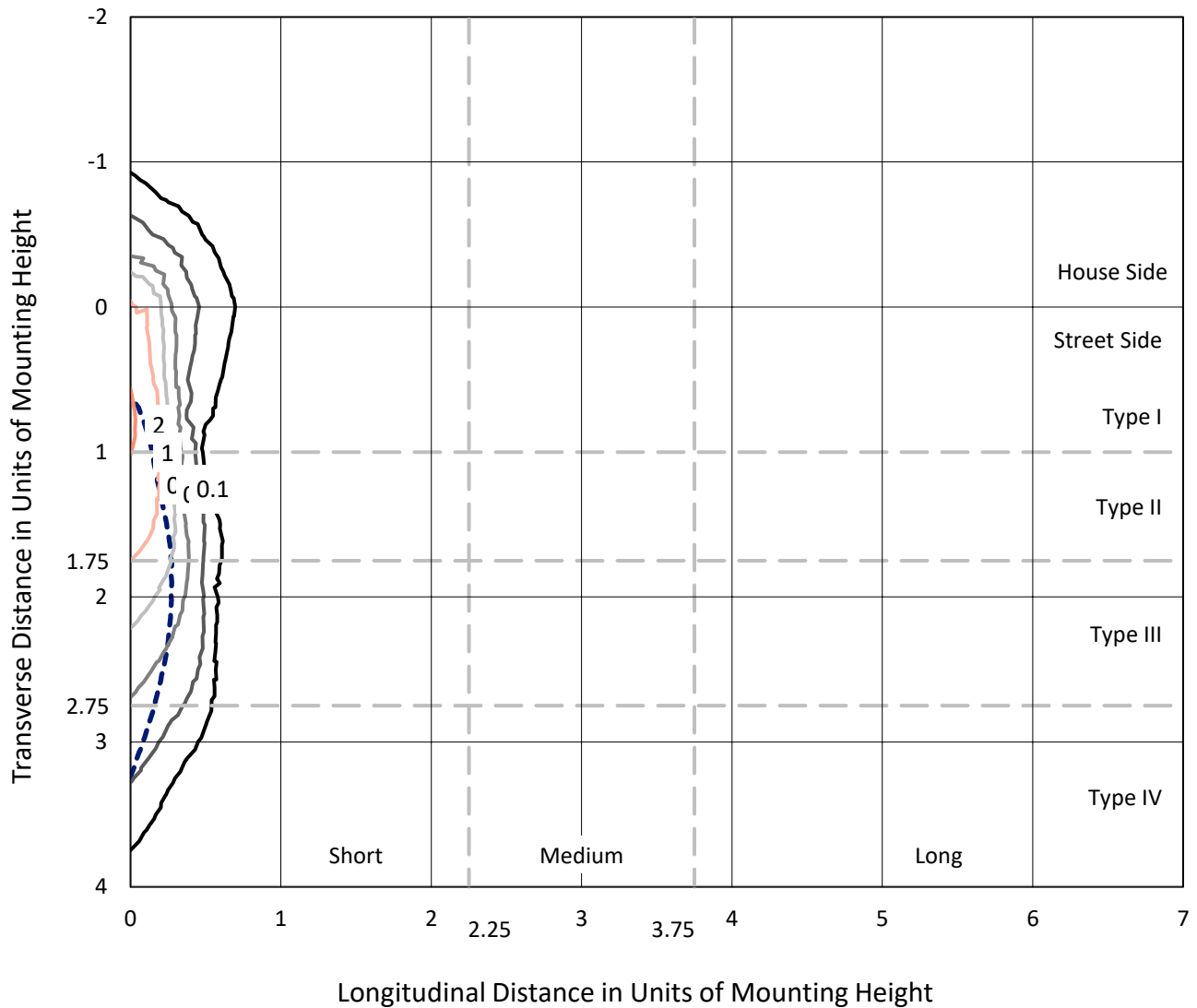
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

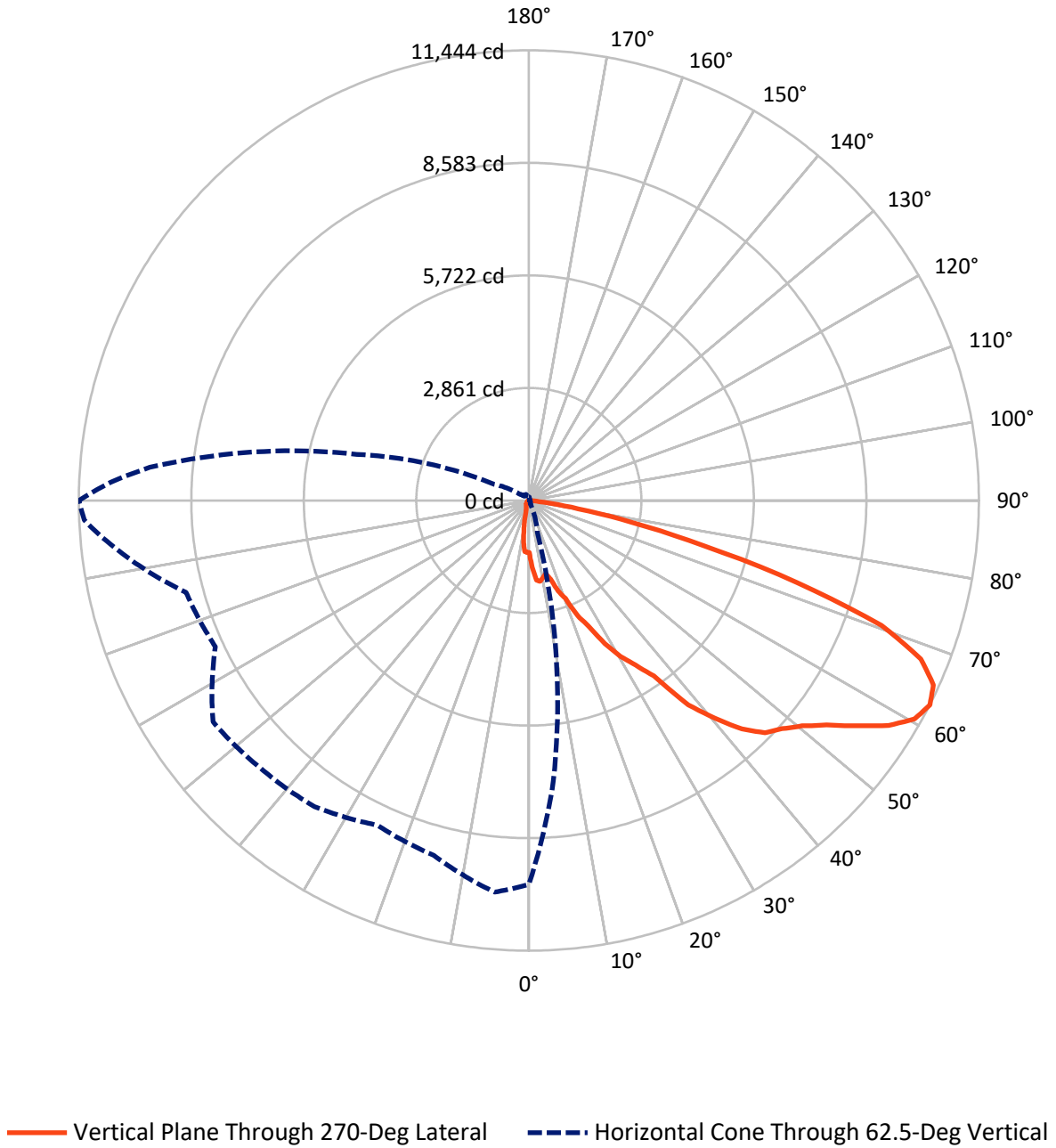
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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	1828.2	0.0	1828.2
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	9119.8	0.0	9119.8
	% Fixture	83.3	0.0	83.3
Total	Lumens	10948.0	0.0	10948.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.4	1.3
10°-20°	385.0	3.5
20°-30°	622.3	5.7
30°-40°	1042.4	9.5
40°-50°	1704.0	15.6
50°-60°	2522.5	23.0
60°-70°	2895.9	26.5
70°-80°	1431.8	13.1
80°-90°	196.7	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°	10948.0	100.0
0°-180°	10948.0	100.0

Coefficient of Utilization

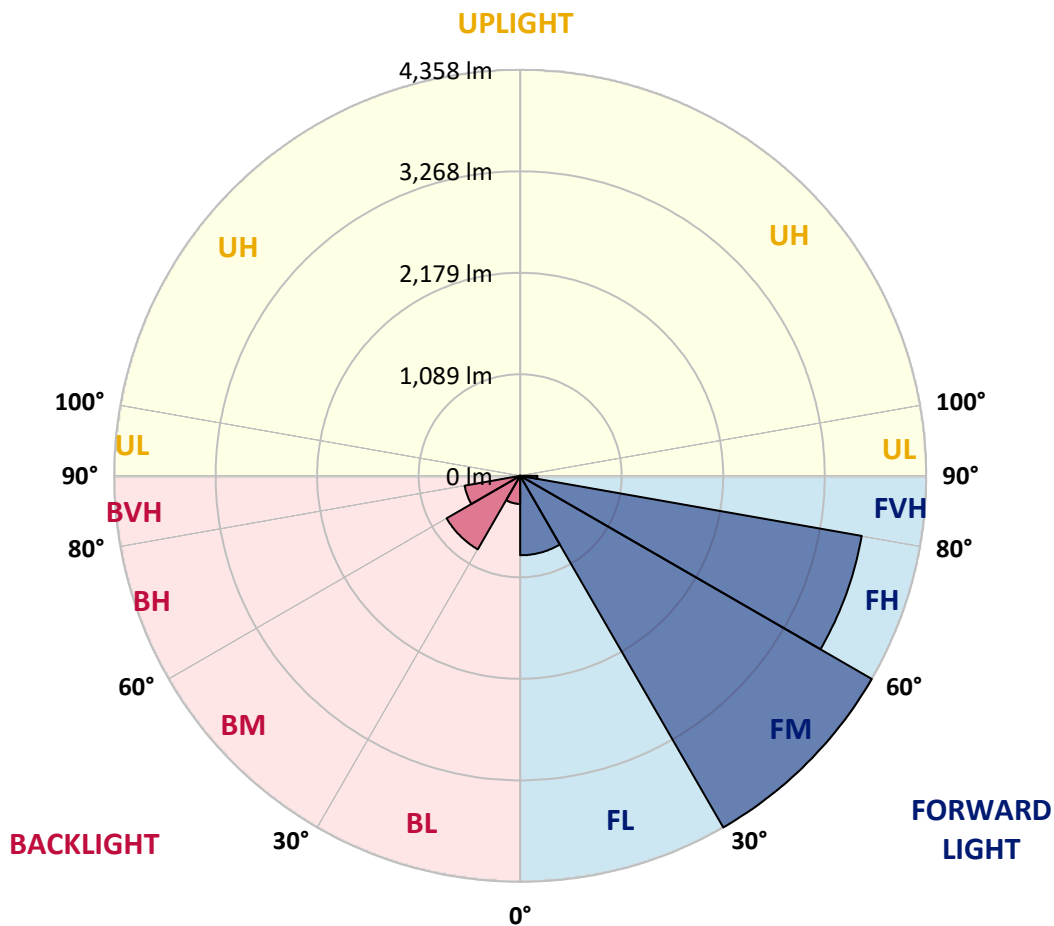


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	852.9	7.8			
FM (30°-60°)	4357.9	39.8			
FH (60°-80°)	3722.8	34.0			G2/5000
FVH (80°-90°)	186.2	1.7			G2/225
BL (0°-30°)	301.9	2.8	B1/500		
BM (30°-60°)	911.0	8.3	B1/1000		
BH (60°-80°)	604.9	5.5	B2/1000		G2/1000
BVH (80°-90°)	10.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-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°	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3
2.5°	1749.3	1771.1	1792.3	1751.8	1711.2	1670.6	1630.1	1593.9	1557.7	1520.9	1484.7
5°	2251.0	2211.1	2171.1	2116.2	2061.3	2006.4	1951.5	1925.9	1900.3	1874.7	1849.1
7.5°	2425.8	2354.6	2282.9	2234.2	2186.1	2137.4	2088.8	2012.0	1934.6	1857.9	1780.5
10°	2288.5	2213.0	2136.8	2094.4	2051.9	2009.5	1967.1	1871.6	1775.5	1680.0	1583.9
12.5°	2351.5	2269.7	2188.0	2100.6	2013.3	1925.9	1838.5	1765.5	1691.9	1618.8	1545.2
15°	2395.2	2301.6	2207.3	2107.5	2007.6	1907.8	1807.9	1721.8	1636.3	1550.2	1464.1
17.5°	2651.7	2517.5	2383.3	2229.8	2076.3	1922.8	1769.2	1669.4	1570.2	1470.3	1370.5
20°	2981.2	2790.8	2599.9	2392.1	2184.2	1976.4	1768.6	1644.4	1520.2	1396.0	1271.9
22.5°	3364.4	3126.6	2888.2	2631.7	2375.8	2119.3	1862.9	1684.4	1505.9	1327.4	1148.9
25°	3750.0	3535.4	3320.7	2975.6	2630.5	2284.7	1939.6	1713.1	1485.9	1259.4	1032.2
27.5°	4446.5	4062.7	3678.9	3239.6	2800.8	2361.5	1922.1	1662.5	1402.9	1142.7	883.1
30°	4902.1	4606.9	4311.1	3730.7	3150.9	2570.5	1990.2	1661.3	1332.4	1002.9	674.0
32.5°	5446.9	5015.0	4582.6	3952.9	3323.2	2693.5	2063.8	1677.5	1290.6	904.3	517.4
35°	6059.1	5589.2	5119.3	4321.7	3524.1	2725.9	1928.4	1553.9	1179.5	805.1	430.6
37.5°	7140.6	6354.3	5568.0	4638.1	3707.6	2777.7	1847.2	1473.4	1099.0	725.2	350.7
40°	7754.7	7003.9	6253.2	5091.2	3929.1	2767.1	1605.1	1273.1	941.7	609.7	277.7
42.5°	8553.5	7601.2	6648.2	5349.5	4050.8	2752.2	1453.5	1146.4	839.4	531.7	224.7
45°	9027.2	7948.2	6869.1	5461.9	4054.6	2647.3	1240.0	974.2	708.3	442.5	176.6
47.5°	9326.1	8244.0	7161.8	5651.0	4140.7	2629.8	1119.0	874.3	629.7	385.1	140.4
50°	9477.8	8392.5	7306.6	5753.9	4201.2	2647.9	1095.2	851.9	607.8	364.5	120.4
52.5°	9635.7	8589.1	7541.9	5932.4	4322.9	2713.5	1104.0	855.6	607.8	359.5	111.1
55°	9954.6	8922.3	7889.5	6188.3	4487.1	2785.9	1084.6	840.0	595.4	350.1	105.5
57.5°	10346.5	9243.1	8139.1	6375.5	4611.9	2848.3	1084.6	838.8	592.9	346.4	100.5
60°	10272.2	9074.6	7876.4	6165.2	4454.0	2742.2	1031.0	796.9	563.5	329.5	95.5
62.5°	9762.3	8462.4	7161.8	5580.4	3998.4	2417.0	835.0	648.4	461.8	274.6	88.0
65°	9163.2	7783.4	6403.0	4947.6	3491.7	2036.3	580.4	455.6	330.1	205.3	79.9
67.5°	8441.8	6970.2	5498.7	4204.4	2910.7	1616.3	322.0	259.6	197.2	134.2	71.8
70°	7189.9	5670.9	4151.3	3156.5	2162.4	1167.6	172.9	146.0	119.2	92.4	65.5
72.5°	5397.6	4005.9	2614.2	1985.8	1358.0	729.5	101.1	91.1	80.5	70.5	59.9
75°	3672.7	2629.8	1587.0	1208.2	830.0	451.2	72.4	67.4	61.8	56.8	51.2
77.5°	2496.9	1806.1	1115.2	851.2	587.3	323.3	59.3	56.2	53.0	49.3	46.2
80°	1558.9	1067.2	575.4	443.1	310.2	177.9	44.9	43.1	41.2	38.7	36.8
82.5°	1090.3	652.2	214.1	167.3	120.4	73.0	26.2	26.8	27.5	27.5	28.1
85°	457.4	247.1	36.8	31.2	25.6	20.0	14.4	15.6	17.5	18.7	20.0
87.5°	8.1	4.4	0.0	1.2	3.1	4.4	5.6	7.5	8.7	10.6	11.9
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



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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°	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3
2.5°	1494.0	1503.4	1512.1	1521.5	1514.0	1507.1	1499.6	1492.2	1480.9	1470.3	1459.1
5°	1817.9	1786.7	1755.5	1724.3	1676.9	1629.4	1581.4	1534.0	1528.3	1522.7	1516.5
7.5°	1707.5	1634.4	1560.8	1487.8	1419.1	1350.5	1281.8	1213.2	1192.0	1171.4	1150.2
10°	1527.7	1471.6	1414.8	1358.6	1309.3	1259.4	1210.1	1160.1	1108.3	1056.6	1004.1
12.5°	1486.5	1427.9	1368.6	1309.9	1265.0	1220.1	1175.1	1130.2	1072.2	1014.1	956.1
15°	1400.4	1336.8	1273.1	1209.4	1149.5	1089.6	1029.1	969.2	899.3	829.4	759.5
17.5°	1294.9	1220.1	1144.5	1069.0	990.4	911.8	833.1	754.5	674.0	594.1	513.6
20°	1169.5	1067.2	964.2	861.8	764.5	667.1	569.2	471.8	421.2	371.3	320.8
22.5°	1016.6	883.7	751.4	618.5	538.6	458.1	378.2	297.7	275.8	254.0	232.2
25°	881.8	731.4	581.0	430.6	380.1	329.5	279.0	228.4	218.4	207.8	197.8
27.5°	741.4	600.4	458.7	317.0	288.3	259.0	230.3	201.0	194.1	187.8	181.0
30°	568.5	463.1	357.0	251.5	232.8	214.1	194.7	176.0	172.9	169.1	166.0
32.5°	440.6	363.2	286.4	209.1	198.5	187.8	177.2	166.6	161.6	156.6	151.0
35°	368.2	306.4	244.0	181.6	174.1	166.0	158.5	150.4	145.4	139.8	134.8
37.5°	305.2	260.2	214.7	169.1	161.0	152.9	144.2	136.0	132.3	128.6	124.8
40°	251.5	225.3	199.1	172.9	161.0	149.2	137.3	125.4	122.3	119.2	116.1
42.5°	207.8	191.0	173.5	156.6	147.9	139.8	131.1	122.3	117.9	113.0	108.6
45°	167.9	158.5	149.8	140.4	141.0	141.7	141.7	142.3	131.1	119.2	108.0
47.5°	136.0	131.7	126.7	122.3	127.3	132.3	136.7	141.7	129.8	117.9	105.5
50°	116.7	113.6	109.8	106.1	111.1	116.7	121.7	126.7	121.7	117.3	112.3
52.5°	106.7	102.3	98.0	93.6	95.5	98.0	99.9	101.7	101.7	101.7	101.7
55°	100.5	96.1	91.1	86.1	84.2	81.8	79.9	77.4	74.3	71.8	68.6
57.5°	95.5	90.5	84.9	79.9	76.8	73.0	69.9	66.2	63.0	59.3	56.2
60°	90.5	85.5	79.9	74.9	71.8	68.6	64.9	61.8	58.0	54.9	51.2
62.5°	83.6	79.3	74.9	70.5	67.4	64.9	61.8	58.7	54.9	51.2	46.8
65°	76.1	73.0	69.3	65.5	62.4	59.3	56.2	53.0	49.3	46.2	42.4
67.5°	69.3	66.2	63.7	60.5	56.8	53.7	49.9	46.2	43.7	41.2	38.1
70°	63.7	61.2	59.3	56.8	53.0	49.9	46.2	42.4	40.6	38.1	36.2
72.5°	58.0	56.2	53.7	51.8	48.7	45.6	42.4	39.3	37.4	35.6	33.7
75°	49.9	48.7	47.4	46.2	43.1	39.9	36.2	33.1	32.5	31.8	31.2
77.5°	44.9	44.3	43.1	41.8	38.7	35.6	32.5	29.3	30.0	30.6	30.6
80°	36.8	36.8	36.2	36.2	33.7	31.2	28.1	25.6	26.8	28.7	30.0
82.5°	28.1	28.1	28.1	28.1	25.6	23.1	20.6	18.1	20.0	21.2	23.1
85°	19.3	18.7	18.1	17.5	15.6	14.4	12.5	10.6	13.1	15.0	17.5
87.5°	11.9	12.5	12.5	12.5	11.2	9.4	8.1	6.2	7.5	8.1	9.4
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: P597059
 CATALOG NUMBER: MSA-SA3C-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: P597059
 CATALOG NUMBER: MSA-SA3C-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3
2.5°	1447.8	1429.1	1410.4	1391.1	1372.3	1328.6	1285.0	1241.3	1197.6	1230.0	1261.9
5°	1510.9	1474.7	1437.9	1401.7	1364.8	1348.6	1333.0	1316.8	1300.6	1303.1	1306.2
7.5°	1128.9	1105.2	1081.5	1057.2	1033.5	1028.5	1024.1	1019.1	1014.1	1024.7	1034.7
10°	952.3	919.3	885.6	852.5	818.8	800.7	782.6	764.5	746.4	744.5	742.0
12.5°	898.0	847.5	797.6	747.0	696.5	657.1	617.8	578.5	539.2	542.3	545.4
15°	689.6	639.0	589.1	538.6	488.0	456.2	423.7	391.9	359.5	350.1	340.7
17.5°	433.1	395.7	358.2	320.1	282.7	272.1	262.1	251.5	240.9	237.8	234.7
20°	270.2	254.0	237.8	220.9	204.7	202.2	199.7	197.2	194.7	196.6	198.5
22.5°	210.3	203.4	196.0	189.1	181.6	179.1	176.6	174.1	171.6	173.5	174.7
25°	187.2	182.2	177.2	172.2	167.3	164.8	161.6	159.1	156.0	157.3	159.1
27.5°	174.1	169.7	165.4	161.0	156.6	152.3	148.5	144.2	139.8	142.3	144.2
30°	162.3	157.3	152.9	147.9	142.9	138.5	134.2	129.2	124.8	127.3	129.8
32.5°	146.0	141.7	136.7	132.3	127.3	124.8	122.3	119.2	116.7	118.6	119.8
35°	129.2	125.4	122.3	118.6	114.8	112.3	110.5	108.0	105.5	106.1	107.3
37.5°	121.1	116.7	112.3	108.0	103.6	102.3	101.1	99.2	98.0	98.0	98.0
40°	113.0	108.6	104.2	99.2	94.9	93.0	91.1	89.2	87.4	87.4	87.4
42.5°	103.6	99.2	94.9	90.5	86.1	84.2	81.8	79.9	77.4	77.4	77.4
45°	96.1	91.7	88.0	83.6	79.3	76.1	73.0	69.3	66.2	65.5	64.9
47.5°	93.6	87.4	81.1	74.9	68.6	65.5	62.4	58.7	55.5	54.9	54.3
50°	107.3	94.9	82.4	69.9	57.4	54.9	52.4	49.9	47.4	46.2	45.6
52.5°	101.7	88.6	75.5	62.4	49.3	47.4	45.6	43.7	41.8	40.6	39.3
55°	65.5	59.9	54.9	49.3	43.7	42.4	41.2	39.3	38.1	36.8	35.6
57.5°	52.4	49.3	46.8	43.7	40.6	39.3	38.1	36.2	34.9	33.1	31.8
60°	47.4	44.9	42.4	39.9	37.4	36.2	34.9	33.7	32.5	30.6	29.3
62.5°	43.1	41.2	39.3	37.4	35.6	34.3	33.1	31.8	30.6	28.7	26.8
65°	38.7	37.4	36.2	34.9	33.7	32.5	31.2	29.3	28.1	26.2	24.3
67.5°	35.6	34.9	34.3	33.7	33.1	31.8	30.0	28.7	26.8	25.0	22.5
70°	33.7	33.7	33.7	33.1	33.1	31.8	30.0	28.7	26.8	24.3	22.5
72.5°	31.8	32.5	33.1	33.1	33.7	31.8	30.0	28.1	26.2	23.7	21.8
75°	30.6	31.2	31.8	31.8	32.5	31.2	30.0	28.1	26.8	24.3	21.8
77.5°	31.2	31.8	31.8	32.5	32.5	31.2	30.0	28.1	26.8	23.7	20.6
80°	31.2	30.6	30.0	28.7	28.1	25.6	23.1	20.0	17.5	13.7	10.6
82.5°	24.3	23.1	22.5	21.2	20.0	17.5	15.0	12.5	10.0	7.5	5.0
85°	19.3	18.1	17.5	16.2	15.0	13.1	10.6	8.7	6.2	5.0	3.1
87.5°	10.0	9.4	8.1	7.5	6.2	5.0	3.1	1.9	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: P597059
 CATALOG NUMBER: MSA-SA3C-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: P597059
 CATALOG NUMBER: MSA-SA3C-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°	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3
2.5°	1294.3	1326.2	1321.8	1317.4	1338.0	1358.6	1343.6	1329.3	1314.3	1299.3	1268.1
5°	1308.7	1311.2	1306.8	1301.8	1302.4	1303.1	1293.1	1283.1	1273.1	1263.1	1261.2
7.5°	1045.3	1055.3	1069.0	1082.1	1082.8	1082.8	1075.3	1067.8	1059.7	1052.2	1055.9
10°	740.1	737.7	741.4	745.1	744.5	743.3	763.2	783.2	802.6	822.5	808.2
12.5°	547.9	551.1	535.5	519.9	525.5	530.5	533.6	536.7	539.8	542.9	551.7
15°	331.4	322.0	310.8	299.6	305.2	310.2	315.8	320.8	326.4	331.4	337.0
17.5°	230.9	227.8	222.8	217.2	217.8	218.4	219.0	219.7	219.7	220.3	221.5
20°	200.3	202.2	198.5	194.1	192.8	191.0	189.7	188.5	186.6	185.3	183.5
22.5°	176.6	177.9	178.5	178.5	176.0	172.9	170.4	168.5	166.0	163.5	162.3
25°	160.4	161.6	160.4	158.5	157.3	156.0	154.8	152.9	151.6	149.8	149.2
27.5°	146.7	148.5	148.5	147.9	146.7	144.8	141.7	139.2	136.0	132.9	133.6
30°	132.3	134.8	134.8	134.2	133.6	132.9	129.8	126.7	123.6	120.4	121.7
32.5°	121.7	122.9	122.3	121.7	121.7	121.1	118.6	116.7	114.2	111.7	111.7
35°	108.0	108.6	108.6	108.6	108.6	108.0	106.1	104.2	102.3	100.5	101.1
37.5°	98.0	98.0	99.9	101.1	99.9	98.6	97.4	95.5	94.2	92.4	92.4
40°	86.7	86.7	88.6	89.9	88.6	87.4	86.7	85.5	84.9	83.6	83.6
42.5°	76.8	76.8	78.6	79.9	79.9	79.3	78.0	76.8	75.5	74.3	74.9
45°	64.3	63.7	66.8	69.3	68.0	66.8	66.8	66.2	66.2	65.5	66.2
47.5°	53.0	52.4	54.9	57.4	56.8	55.5	55.5	55.5	55.5	55.5	56.2
50°	44.3	43.1	45.6	47.4	46.8	45.6	45.6	46.2	46.2	46.2	46.8
52.5°	38.1	36.8	38.7	39.9	39.3	38.7	38.7	39.3	39.3	39.3	39.9
55°	33.7	32.5	34.3	35.6	34.9	33.7	34.3	34.3	34.9	34.9	34.9
57.5°	30.0	28.1	29.3	30.6	30.6	30.0	30.6	30.6	31.2	31.2	31.2
60°	27.5	25.6	26.8	27.5	27.5	26.8	27.5	27.5	28.1	28.1	28.1
62.5°	24.3	22.5	23.7	24.3	24.3	23.7	24.3	24.3	25.0	25.0	25.0
65°	21.8	20.0	20.6	21.2	21.2	21.2	21.8	21.8	22.5	22.5	22.5
67.5°	20.6	18.1	18.7	19.3	19.3	19.3	20.0	20.0	20.6	20.6	21.2
70°	20.0	17.5	18.1	18.1	18.7	18.7	18.7	19.3	19.3	19.3	19.3
72.5°	19.3	16.8	16.8	16.8	17.5	17.5	17.5	18.1	18.1	18.1	18.1
75°	19.3	16.8	16.2	15.6	16.2	16.2	16.2	16.8	16.8	16.8	16.8
77.5°	16.8	13.7	12.5	10.6	12.5	13.7	14.4	14.4	15.0	15.0	15.0
80°	6.9	3.1	1.9	0.0	0.6	1.2	1.9	2.5	3.1	3.7	4.4
82.5°	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.9	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: P597059
 CATALOG NUMBER: MSA-SA3C-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: P597059
 CATALOG NUMBER: MSA-SA3C-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3
2.5°	1236.9	1205.7	1174.5	1189.5	1204.5	1219.4	1234.4	1233.2	1231.3	1230.0	1228.2
5°	1260.0	1258.1	1256.3	1247.5	1239.4	1230.7	1221.9	1220.1	1217.6	1215.7	1213.2
7.5°	1059.7	1062.8	1066.5	1056.6	1046.6	1036.6	1026.6	1001.0	975.4	949.2	923.6
10°	793.8	778.8	764.5	763.2	762.0	760.7	759.5	757.0	754.5	751.4	748.9
12.5°	561.0	569.8	578.5	575.4	572.3	568.5	565.4	569.8	574.8	579.1	583.5
15°	342.0	347.6	352.6	363.8	375.1	386.3	397.5	401.9	406.9	411.3	415.6
17.5°	222.8	223.4	224.7	237.1	249.0	261.5	273.3	281.5	289.6	297.1	305.2
20°	181.6	179.7	177.9	184.7	191.6	198.5	205.3	212.8	220.3	227.8	235.3
22.5°	161.6	160.4	159.1	161.6	164.1	166.0	168.5	174.1	180.4	186.0	191.6
25°	148.5	147.3	146.7	147.9	149.2	150.4	151.6	154.8	157.9	161.0	164.1
27.5°	133.6	134.2	134.2	135.4	136.0	137.3	137.9	139.2	141.0	142.3	143.5
30°	122.3	123.6	124.2	125.4	126.1	127.3	127.9	127.3	126.7	126.1	125.4
32.5°	111.7	111.1	111.1	112.3	113.0	114.2	114.8	116.1	117.3	117.9	119.2
35°	101.1	101.7	101.7	101.7	102.3	102.3	102.3	103.6	105.5	106.7	108.0
37.5°	91.7	91.7	91.1	93.0	94.2	96.1	97.4	98.6	100.5	101.7	103.0
40°	83.6	83.6	83.6	84.9	86.1	86.7	88.0	91.1	94.2	97.4	100.5
42.5°	74.9	75.5	75.5	76.8	78.0	78.6	79.9	82.4	84.2	86.7	88.6
45°	66.8	67.4	68.0	69.3	69.9	71.1	71.8	73.0	73.6	74.9	75.5
47.5°	57.4	58.0	58.7	59.9	60.5	61.8	62.4	61.8	61.8	61.2	60.5
50°	48.1	48.7	49.3	51.2	52.4	54.3	55.5	54.3	53.0	51.2	49.9
52.5°	40.6	40.6	41.2	42.4	43.7	44.3	45.6	44.9	44.3	43.7	43.1
55°	34.9	34.9	34.9	35.6	36.2	36.8	37.4	38.1	38.1	38.7	38.7
57.5°	31.2	30.6	30.6	31.2	31.8	31.8	32.5	33.1	33.1	33.7	33.7
60°	28.1	27.5	27.5	28.1	28.7	29.3	30.0	30.0	30.0	29.3	29.3
62.5°	25.0	25.0	25.0	25.6	25.6	26.2	26.2	26.2	26.8	26.8	26.8
65°	23.1	23.1	23.1	23.1	23.1	22.5	22.5	23.1	23.1	23.7	23.7
67.5°	21.2	21.8	21.8	21.2	20.6	20.0	19.3	20.0	20.0	20.6	20.6
70°	19.3	19.3	19.3	18.7	18.1	17.5	16.8	16.8	16.8	16.2	16.2
72.5°	18.1	17.5	17.5	16.8	15.6	15.0	13.7	13.1	13.1	12.5	11.9
75°	16.8	16.2	16.2	15.0	13.7	12.5	11.2	10.6	9.4	8.7	7.5
77.5°	15.0	15.0	15.0	13.1	11.9	10.0	8.1	6.9	5.6	3.7	2.5
80°	5.0	5.6	6.2	5.6	5.6	5.0	4.4	3.1	2.5	1.2	0.0
82.5°	0.6	0.6	0.6	0.6	0.6	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: P597059
 CATALOG NUMBER: MSA-SA3C-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: P597059

CATALOG NUMBER: MSA-SA3C-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°	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3
2.5°	1235.0	1241.9	1248.8	1255.6	1256.3	1256.9	1257.5	1258.1	1242.5	1226.3	1210.7
5°	1225.7	1238.8	1251.3	1263.7	1256.9	1250.0	1243.1	1236.3	1235.7	1235.7	1235.0
7.5°	925.5	926.7	928.6	929.9	932.4	934.9	936.7	939.2	949.2	959.2	968.6
10°	740.8	732.7	723.9	715.8	709.6	702.7	696.5	689.6	694.6	700.2	705.2
12.5°	576.6	569.8	562.3	555.4	552.9	550.4	547.3	544.8	561.0	577.3	592.9
15°	414.4	413.1	411.3	410.0	418.1	426.2	434.4	442.5	456.2	469.3	483.0
17.5°	308.3	311.4	314.5	317.7	322.6	327.6	332.0	337.0	347.0	357.6	367.6
20°	239.0	243.4	247.1	250.9	249.6	248.4	246.5	245.3	253.4	261.5	269.0
22.5°	195.3	198.5	202.2	205.3	205.9	206.6	207.2	207.8	212.8	217.2	222.2
25°	167.3	171.0	174.1	177.2	177.9	178.5	179.1	179.7	186.0	192.2	197.8
27.5°	147.9	151.6	156.0	159.8	161.0	162.3	163.5	164.8	168.5	171.6	175.4
30°	130.4	135.4	140.4	145.4	147.3	149.2	151.0	152.9	156.6	161.0	164.8
32.5°	121.7	124.8	127.3	129.8	134.2	137.9	142.3	146.0	150.4	155.4	159.8
35°	111.7	114.8	118.6	121.7	124.8	127.9	130.4	133.6	136.0	138.5	140.4
37.5°	105.5	108.6	111.1	113.6	114.8	116.1	116.7	117.9	119.2	120.4	121.1
40°	100.5	99.9	99.9	99.2	100.5	102.3	103.6	104.8	108.6	111.7	115.5
42.5°	87.4	85.5	84.2	82.4	85.5	88.0	91.1	93.6	98.6	103.6	108.6
45°	74.3	73.0	71.1	69.9	74.3	78.6	83.0	87.4	93.0	98.0	103.6
47.5°	61.2	61.8	61.8	62.4	66.8	71.1	74.9	79.3	84.9	90.5	96.1
50°	51.2	52.4	53.7	54.9	59.3	63.0	67.4	71.1	77.4	83.0	89.2
52.5°	44.9	46.8	48.1	49.9	53.7	58.0	61.8	65.5	71.1	76.8	82.4
55°	40.6	43.1	44.9	46.8	49.9	53.0	56.2	59.3	64.9	70.5	75.5
57.5°	35.6	37.4	39.3	41.2	44.3	47.4	49.9	53.0	58.0	63.7	68.6
60°	31.2	32.5	34.3	35.6	38.1	41.2	43.7	46.2	51.2	56.2	60.5
62.5°	27.5	28.7	29.3	30.0	32.5	34.9	37.4	39.9	44.3	49.3	53.7
65°	24.3	25.0	25.0	25.6	27.5	30.0	31.8	33.7	38.7	43.1	48.1
67.5°	20.6	21.2	21.2	21.2	23.1	25.0	26.8	28.7	33.1	38.1	42.4
70°	16.2	16.8	16.8	16.8	18.7	21.2	23.1	25.0	28.7	32.5	36.2
72.5°	12.5	12.5	13.1	13.1	15.0	17.5	19.3	21.2	24.3	27.5	30.6
75°	8.1	8.7	8.7	9.4	11.2	13.7	15.6	17.5	20.6	23.7	26.2
77.5°	3.1	4.4	5.0	5.6	7.5	9.4	11.2	13.1	15.6	18.7	21.2
80°	0.0	0.6	0.6	0.6	1.9	2.5	3.7	4.4	6.2	8.7	10.6
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: P597059
 CATALOG NUMBER: MSA-SA3C-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: P597059
 CATALOG NUMBER: MSA-SA3C-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3
2.5°	1194.5	1228.8	1263.1	1297.4	1331.8	1374.2	1416.6	1422.9	1429.1	1421.6	1414.8
5°	1234.4	1251.3	1267.5	1284.3	1300.6	1349.2	1397.3	1397.9	1397.9	1398.5	1398.5
7.5°	978.5	992.9	1007.2	1021.0	1035.3	1067.2	1099.0	1110.8	1122.1	1119.6	1117.1
10°	710.2	728.9	747.0	765.7	783.8	813.2	842.5	853.7	864.3	898.7	933.6
12.5°	609.1	627.2	645.3	662.8	680.9	710.8	740.8	762.6	783.8	805.1	826.3
15°	496.1	510.5	525.5	539.8	554.2	567.9	581.6	608.5	634.7	655.9	677.1
17.5°	377.6	383.8	389.4	395.7	401.3	407.5	413.8	425.0	435.6	454.3	472.4
20°	277.1	282.1	287.1	291.4	296.4	302.7	308.9	317.0	324.5	328.9	332.6
22.5°	226.5	234.0	241.5	248.4	255.9	260.2	264.6	267.1	269.6	271.5	273.3
25°	204.1	210.9	217.2	224.0	230.3	232.2	234.0	239.0	244.0	244.0	244.0
27.5°	178.5	187.8	197.8	207.2	216.6	219.0	220.9	222.8	224.0	221.5	218.4
30°	168.5	177.9	187.2	196.0	205.3	209.1	212.2	214.1	215.9	212.8	209.7
32.5°	164.1	172.9	181.0	189.7	197.8	202.8	207.2	212.2	216.6	217.2	218.4
35°	142.9	148.5	154.8	160.4	166.0	168.5	171.0	172.9	174.1	174.1	174.1
37.5°	122.3	129.8	137.9	145.4	152.9	158.5	164.1	164.8	164.8	166.0	167.9
40°	118.6	126.1	133.6	140.4	147.9	154.1	159.8	160.4	161.0	162.3	163.5
42.5°	113.6	121.7	129.8	137.9	146.0	152.3	157.9	157.9	157.3	159.1	160.4
45°	108.6	116.7	124.2	132.3	139.8	147.9	155.4	153.5	151.0	154.1	156.6
47.5°	101.7	110.5	119.2	127.3	136.0	143.5	150.4	149.2	147.3	150.4	153.5
50°	94.9	103.6	112.3	121.1	129.8	137.9	145.4	144.2	142.9	146.7	149.8
52.5°	88.0	96.7	106.1	114.8	123.6	130.4	136.7	136.0	135.4	139.2	143.5
55°	81.1	89.2	98.0	106.1	114.2	121.7	128.6	127.3	126.1	129.2	132.3
57.5°	73.6	81.8	89.2	97.4	104.8	111.1	116.7	114.8	113.0	116.7	120.4
60°	65.5	73.0	80.5	87.4	94.9	99.9	104.2	103.0	101.1	104.8	108.6
62.5°	58.0	64.9	71.8	78.0	84.9	88.6	92.4	91.1	89.9	93.6	98.0
65°	52.4	58.0	63.0	68.6	73.6	77.4	81.1	79.3	77.4	81.8	85.5
67.5°	46.8	51.2	56.2	60.5	64.9	68.0	71.1	69.9	68.0	71.1	74.3
70°	39.9	44.3	48.7	52.4	56.8	59.9	63.0	61.2	58.7	61.8	64.9
72.5°	33.7	37.4	41.2	44.3	48.1	50.5	53.0	51.2	49.3	51.8	54.3
75°	29.3	32.5	35.6	38.1	41.2	42.4	43.7	43.1	41.8	44.3	46.2
77.5°	23.7	26.2	29.3	31.8	34.3	34.3	34.3	34.9	34.9	37.4	40.6
80°	12.5	15.0	17.5	19.3	21.8	21.8	21.2	22.5	23.1	26.2	29.3
82.5°	0.0	1.9	3.7	5.6	7.5	6.9	5.6	6.2	6.2	7.5	8.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2
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: P597059
 CATALOG NUMBER: MSA-SA3C-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: P597059

CATALOG NUMBER: MSA-SA3C-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°	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3
2.5°	1407.3	1399.8	1394.8	1390.4	1385.4	1380.4	1386.7	1392.9	1398.5	1404.8	1423.5
5°	1399.2	1399.2	1394.8	1390.4	1386.1	1381.7	1391.1	1399.8	1409.2	1417.9	1417.3
7.5°	1114.0	1111.5	1137.7	1163.3	1189.5	1215.1	1221.9	1228.8	1235.0	1241.9	1240.0
10°	967.9	1002.3	1013.5	1024.7	1036.0	1047.2	1060.9	1074.6	1088.4	1102.1	1107.1
12.5°	847.5	868.7	904.9	940.5	976.7	1012.2	1030.3	1049.1	1067.2	1085.3	1120.8
15°	698.3	719.6	750.8	782.0	813.2	844.4	873.1	902.4	931.1	959.8	1002.9
17.5°	491.1	509.2	533.0	556.7	579.8	603.5	647.8	692.1	736.4	780.7	826.3
20°	337.0	340.7	352.0	363.8	375.1	386.3	426.2	466.8	506.7	546.7	606.6
22.5°	274.6	276.5	282.1	287.7	292.7	298.3	318.9	340.1	360.7	381.3	430.0
25°	243.4	243.4	247.1	250.9	254.6	258.4	269.6	280.8	291.4	302.7	333.9
27.5°	215.9	212.8	218.4	224.0	229.7	235.3	243.4	252.1	260.2	268.4	289.6
30°	206.6	203.4	210.3	217.2	224.0	230.9	239.0	247.1	254.6	262.7	277.1
32.5°	219.0	219.7	222.2	224.7	226.5	229.0	232.8	237.1	240.9	244.6	257.1
35°	174.1	174.1	178.5	182.9	186.6	191.0	197.8	204.7	211.6	218.4	231.5
37.5°	169.1	170.4	174.1	178.5	182.2	186.0	194.7	204.1	212.8	221.5	232.2
40°	164.1	165.4	170.4	175.4	180.4	185.3	194.1	202.2	210.9	219.0	229.0
42.5°	162.3	163.5	169.7	176.6	182.9	189.1	196.6	204.1	210.9	218.4	232.2
45°	159.8	162.3	169.7	177.9	185.3	192.8	199.7	206.6	213.4	220.3	237.1
47.5°	156.0	159.1	167.9	176.0	184.7	192.8	205.9	219.7	232.8	245.9	254.0
50°	153.5	156.6	166.0	175.4	184.7	194.1	215.3	236.5	257.1	278.3	274.0
52.5°	147.3	151.0	162.9	174.7	186.6	198.5	217.2	235.9	254.6	273.3	264.6
55°	135.4	138.5	152.3	166.0	179.1	192.8	206.6	220.3	233.4	247.1	237.1
57.5°	123.6	127.3	140.4	153.5	166.0	179.1	186.0	192.8	199.7	206.6	202.8
60°	112.3	116.1	133.6	151.0	168.5	186.0	179.7	173.5	166.6	160.4	164.8
62.5°	101.7	105.5	122.3	138.5	155.4	171.6	162.9	154.1	145.4	136.7	143.5
65°	89.9	93.6	99.9	106.7	113.0	119.2	118.6	117.3	116.7	115.5	122.9
67.5°	77.4	80.5	83.6	87.4	90.5	93.6	95.5	98.0	99.9	101.7	108.0
70°	67.4	70.5	74.3	77.4	81.1	84.2	85.5	86.7	87.4	88.6	94.2
72.5°	56.2	58.7	63.7	68.6	73.0	78.0	78.6	78.6	79.3	79.3	83.6
75°	48.7	50.5	54.3	58.0	61.2	64.9	66.8	68.6	69.9	71.8	74.3
77.5°	43.1	45.6	46.8	47.4	48.7	49.3	50.5	51.8	53.0	54.3	54.9
80°	31.8	34.9	36.2	36.8	38.1	38.7	38.7	38.1	38.1	37.4	38.1
82.5°	10.0	11.2	13.1	15.0	16.8	18.7	19.3	20.0	20.0	20.6	20.0
85°	1.9	2.5	3.7	5.0	5.6	6.9	6.2	5.0	4.4	3.1	2.5
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: P597059
 CATALOG NUMBER: MSA-SA3C-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: P597059
 CATALOG NUMBER: MSA-SA3C-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3
2.5°	1442.2	1460.3	1479.0	1471.6	1464.1	1456.6	1449.1	1450.3	1452.2	1453.5	1454.7
5°	1416.6	1415.4	1414.8	1436.0	1457.8	1479.0	1500.3	1523.4	1547.1	1570.2	1593.3
7.5°	1238.2	1235.7	1233.8	1261.2	1288.7	1316.2	1343.6	1375.5	1407.9	1439.7	1471.6
10°	1112.1	1117.1	1122.1	1133.3	1145.2	1156.4	1167.6	1198.2	1228.8	1258.8	1289.3
12.5°	1156.4	1191.4	1226.9	1233.8	1240.0	1246.9	1253.1	1257.5	1261.9	1266.2	1270.6
15°	1046.6	1089.6	1132.7	1150.8	1168.3	1186.4	1203.8	1250.0	1295.6	1341.8	1387.3
17.5°	871.8	916.8	962.3	1016.6	1070.9	1125.2	1179.5	1229.4	1279.3	1329.3	1379.2
20°	667.1	727.0	787.0	855.6	924.9	993.5	1062.2	1112.1	1161.4	1211.3	1260.6
22.5°	479.3	528.0	576.6	659.6	742.0	825.0	907.4	994.1	1081.5	1168.3	1255.0
25°	365.1	395.7	426.9	508.6	590.4	671.5	753.3	872.5	991.6	1110.8	1230.0
27.5°	310.2	331.4	352.0	425.6	499.3	572.3	645.9	787.6	929.2	1070.9	1212.6
30°	292.1	306.4	320.8	383.2	446.2	508.6	571.0	714.6	858.1	1001.6	1145.2
32.5°	269.6	281.5	293.9	348.9	403.8	458.1	513.0	653.4	793.8	933.6	1074.0
35°	244.0	257.1	269.6	324.5	379.4	433.7	488.6	634.1	779.5	924.9	1070.3
37.5°	242.1	252.7	262.7	326.4	390.7	454.3	518.0	663.4	808.8	953.6	1099.0
40°	239.6	249.6	259.6	324.5	388.8	453.7	518.0	670.3	822.5	974.8	1127.1
42.5°	245.9	259.0	272.7	330.1	387.5	444.3	501.8	662.1	822.5	982.3	1142.7
45°	254.6	271.5	288.3	340.7	393.2	445.6	498.0	672.1	846.2	1019.7	1193.8
47.5°	262.7	270.8	279.0	328.9	378.2	428.1	477.4	655.3	833.1	1011.0	1188.9
50°	270.2	265.9	261.5	316.4	371.3	425.6	480.5	650.3	819.4	989.2	1158.3
52.5°	255.2	246.5	237.1	295.8	354.5	412.5	471.2	642.2	813.2	984.2	1155.2
55°	227.2	217.2	207.2	265.2	322.6	380.7	438.1	608.5	778.8	949.2	1119.6
57.5°	198.5	194.7	190.3	234.7	279.0	322.6	367.0	556.0	745.8	934.9	1124.0
60°	169.1	172.9	177.2	209.1	240.9	272.1	303.9	489.3	674.0	859.3	1044.1
62.5°	149.8	156.6	162.9	189.7	217.2	244.0	270.8	445.6	620.3	795.1	969.8
65°	131.1	138.5	146.0	177.9	210.3	242.1	274.0	421.9	569.8	717.7	865.6
67.5°	114.2	119.8	126.1	167.9	209.7	251.5	293.3	414.4	534.8	655.9	776.3
70°	99.9	104.8	110.5	159.1	207.8	256.5	305.2	408.1	511.7	614.7	717.7
72.5°	88.0	92.4	96.7	146.0	195.3	244.6	293.9	385.7	476.8	568.5	659.6
75°	76.8	78.6	81.1	122.9	164.1	205.9	247.1	308.3	370.1	431.2	492.4
77.5°	55.5	55.5	56.2	68.6	80.5	93.0	104.8	142.9	181.0	218.4	256.5
80°	38.1	38.7	38.7	43.7	48.1	53.0	57.4	65.5	73.0	81.1	88.6
82.5°	19.3	18.1	17.5	22.5	27.5	32.5	37.4	39.3	40.6	42.4	43.7
85°	1.9	0.6	0.0	3.1	6.2	9.4	12.5	15.0	17.5	20.0	22.5
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: P597059
 CATALOG NUMBER: MSA-SA3C-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: P597059

CATALOG NUMBER: MSA-SA3C-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°	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3
2.5°	1449.7	1444.7	1439.7	1434.7	1465.3	1496.5	1527.1	1557.7	1644.4	1701.2	1695.0
5°	1615.7	1638.2	1660.7	1683.1	1719.3	1756.1	1792.3	1828.5	1957.1	2035.7	2047.0
7.5°	1506.5	1540.8	1575.8	1610.1	1680.0	1749.3	1819.2	1888.4	1993.9	2075.7	2121.8
10°	1328.6	1368.0	1406.7	1446.0	1524.6	1603.9	1682.5	1761.1	1879.7	1992.7	2050.7
12.5°	1332.4	1394.2	1456.0	1517.7	1586.4	1655.0	1723.1	1791.7	1864.1	1902.2	1983.9
15°	1436.0	1484.7	1533.3	1582.0	1671.9	1761.8	1851.0	1940.9	1983.9	2075.7	2171.1
17.5°	1474.1	1569.5	1664.4	1759.3	1871.6	1983.3	2095.6	2207.3	2288.5	2415.8	2514.4
20°	1403.5	1546.4	1688.7	1831.6	1985.8	2139.9	2294.1	2448.2	2536.8	2657.9	2810.2
22.5°	1406.7	1558.3	1709.3	1861.0	2073.8	2286.0	2498.8	2711.0	2948.7	3182.1	3256.4
25°	1428.5	1627.0	1824.8	2023.2	2269.1	2515.0	2760.9	3006.8	3293.8	3539.1	3637.7
27.5°	1436.0	1659.4	1882.2	2105.6	2455.1	2804.6	3154.1	3503.5	3846.1	4123.2	4228.7
30°	1417.9	1691.2	1964.0	2236.7	2665.4	3094.1	3522.9	3951.6	4276.8	4599.4	4730.5
32.5°	1422.3	1770.5	2118.7	2467.0	2971.8	3477.3	3982.2	4487.1	4694.9	4985.7	5216.6
35°	1452.2	1834.1	2215.5	2597.4	3155.9	3714.5	4273.0	4831.6	5172.3	5479.3	5675.3
37.5°	1522.1	1945.2	2367.7	2790.8	3477.3	4164.4	4850.9	5537.4	6064.7	6592.1	6681.9
40°	1573.9	2020.7	2467.6	2914.4	3711.3	4508.3	5305.2	6102.2	6698.8	7271.0	7332.2
42.5°	1632.6	2121.8	2611.7	3101.0	3992.2	4883.4	5774.5	6665.7	7356.5	7940.1	7980.6
45°	1696.8	2200.5	2703.5	3206.5	4140.1	5073.1	6006.7	6939.7	7746.6	8424.3	8271.4
47.5°	1727.4	2266.0	2804.6	3343.1	4344.2	5344.5	6345.6	7345.9	8069.9	8667.7	8489.2
50°	1751.1	2343.4	2936.3	3528.5	4578.2	5627.9	6677.6	7727.2	8453.0	9004.7	8725.1
52.5°	1817.9	2480.1	3142.8	3805.0	4921.4	6037.3	7153.7	8269.6	8971.6	9478.4	9086.5
55°	1882.8	2645.4	3408.7	4171.3	5372.0	6573.3	7774.0	8974.8	9673.7	10108.1	9575.7
57.5°	1964.6	2805.8	3646.4	4487.1	5771.4	7055.7	8339.5	9623.8	10307.2	10787.1	10234.1
60°	1943.4	2842.0	3741.3	4640.0	5948.0	7256.1	8564.1	9872.2	10684.1	11273.8	10898.8
62.5°	1861.0	2752.2	3642.7	4533.9	5818.8	7103.2	8388.1	9672.5	10645.4	11444.2	11318.1
65°	1694.4	2522.5	3351.3	4179.4	5406.3	6633.9	7860.8	9087.7	10288.4	11305.0	11350.0
67.5°	1475.3	2174.3	2872.6	3571.6	4716.1	5860.6	7004.6	8149.1	9566.4	10752.1	10885.7
70°	1243.1	1768.0	2293.5	2818.3	3825.6	4832.8	5839.4	6846.7	8320.1	9513.3	9765.5
72.5°	996.6	1334.3	1671.3	2008.3	2735.3	3461.7	4188.8	4915.2	6211.4	7137.5	7577.5
75°	645.9	799.4	953.0	1106.5	1590.8	2074.4	2558.7	3042.3	3902.9	4585.0	5082.4
77.5°	287.7	318.9	349.5	380.7	754.5	1128.3	1502.1	1876.0	2249.8	2661.7	2778.4
80°	103.0	116.7	131.1	144.8	328.3	512.4	695.8	879.3	1060.3	1273.1	1324.9
82.5°	43.1	43.1	42.4	41.8	107.3	172.9	238.4	303.9	351.4	403.8	413.8
85°	17.5	13.1	8.1	3.1	13.7	25.0	35.6	46.2	74.3	67.4	124.8
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: P597059
 CATALOG NUMBER: MSA-SA3C-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: P597059

CATALOG NUMBER: MSA-SA3C-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3
2.5°	1671.3	1670.0	1668.8	1667.5	1666.3	1643.8	1622.0	1599.5	1577.7	1605.1	1632.6
5°	2028.9	2061.3	2093.8	2126.8	2159.3	2168.6	2178.0	2187.4	2196.7	2216.7	2236.7
7.5°	2160.5	2215.5	2269.7	2324.7	2379.0	2429.5	2479.4	2530.0	2580.5	2568.1	2555.6
10°	2115.0	2214.2	2313.4	2413.3	2512.5	2534.4	2556.2	2578.7	2600.5	2657.3	2714.1
12.5°	2065.7	2184.9	2304.1	2423.3	2542.5	2608.6	2674.1	2740.3	2806.4	2863.9	2921.3
15°	2299.7	2375.8	2452.0	2528.7	2604.9	2662.9	2720.3	2778.4	2835.8	2875.7	2915.0
17.5°	2607.4	2644.8	2682.3	2720.3	2757.8	2803.3	2848.9	2894.4	2940.0	2963.7	2987.4
20°	2932.5	2948.7	2965.0	2981.2	2997.4	2961.2	2925.0	2888.8	2852.6	2875.1	2896.9
22.5°	3258.9	3264.5	3270.8	3276.4	3282.0	3197.7	3113.5	3029.2	2945.0	2909.4	2873.8
25°	3761.3	3720.1	3678.9	3637.7	3596.5	3496.7	3396.8	3297.0	3197.1	3109.1	3021.1
27.5°	4305.5	4165.7	4026.5	3886.7	3747.5	3647.7	3547.8	3448.0	3348.1	3215.8	3083.5
30°	4854.0	4628.7	4404.1	4178.8	3954.1	3835.5	3717.0	3597.8	3479.2	3346.9	3215.2
32.5°	5357.0	5086.2	4815.3	4543.9	4273.0	4073.3	3873.6	3673.9	3474.2	3381.8	3289.5
35°	5773.9	5453.8	5133.6	4812.8	4492.7	4294.9	4097.0	3899.2	3701.4	3564.1	3427.4
37.5°	6486.6	6126.5	5766.4	5406.3	5046.2	4776.0	4506.4	4236.2	3966.0	3874.2	3782.5
40°	7143.7	6690.0	6236.3	5782.6	5328.9	5102.4	4876.5	4650.0	4424.0	4273.6	4123.9
42.5°	7666.1	7188.0	6710.6	6232.6	5754.6	5530.5	5307.1	5083.1	4859.0	4758.5	4658.7
45°	7779.0	7328.5	6878.5	6427.9	5977.3	5846.9	5717.1	5586.7	5456.9	5387.6	5319.0
47.5°	8001.8	7513.2	7025.2	6536.5	6047.9	5989.2	5930.5	5871.3	5812.6	5845.7	5878.7
50°	8126.6	7628.0	7129.4	6630.8	6132.1	6149.0	6165.2	6182.0	6198.9	6433.5	6667.6
52.5°	8368.8	7865.2	7361.5	6857.9	6354.3	6460.4	6565.8	6671.9	6777.4	7100.7	7423.3
55°	8801.3	8306.4	7811.5	7316.0	6821.1	6960.9	7100.7	7241.1	7380.9	7724.1	8066.7
57.5°	9442.2	8951.0	8460.5	7969.4	7478.9	7618.0	7757.2	7896.4	8035.5	8345.7	8655.2
60°	10249.1	9744.9	9241.2	8737.0	8233.4	8285.8	8337.6	8390.0	8442.4	8775.7	9108.3
62.5°	10877.6	10413.9	9950.8	9487.1	9024.1	8966.0	8908.6	8850.6	8793.2	9046.5	9299.3
65°	11023.6	10697.2	10371.4	10045.0	9718.7	9540.2	9362.3	9183.8	9005.3	9107.7	9210.0
67.5°	10605.5	10385.2	10165.5	9945.2	9724.9	9352.3	8979.8	8606.6	8234.0	8179.7	8125.4
70°	9635.0	9514.6	9394.8	9274.3	9154.5	8580.3	8006.8	7432.7	6859.2	6721.2	6583.3
72.5°	7603.1	7677.9	7752.8	7828.3	7903.2	7288.5	6674.4	6059.7	5445.0	5270.3	5096.2
75°	5361.4	5615.4	5869.4	6123.4	6377.4	5817.0	5257.2	4696.8	4136.3	3968.5	3801.2
77.5°	2906.9	3383.1	3859.3	4335.4	4811.6	4349.1	3887.3	3424.9	2962.5	2845.8	2729.7
80°	1377.9	1652.5	1926.5	2201.1	2475.7	2371.5	2267.2	2162.4	2058.2	2083.8	2109.4
82.5°	422.5	621.0	819.4	1017.9	1216.3	1231.9	1246.9	1262.5	1278.1	1316.8	1354.9
85°	141.7	194.1	246.5	298.9	351.4	443.7	536.1	629.1	721.4	661.5	602.2
87.5°	0.0	1.9	3.1	5.0	6.2	19.3	32.5	45.6	58.7	50.5	43.1
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: P597059
 CATALOG NUMBER: MSA-SA3C-835-U-SLR-HSS

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: P597059

CATALOG NUMBER: MSA-SA3C-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°	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3
2.5°	1660.7	1688.1	1688.7	1690.0	1690.6	1691.2	1694.4	1697.5	1701.2	1704.3	1683.7
5°	2257.3	2277.2	2240.4	2203.6	2166.1	2129.3	2162.4	2195.5	2228.6	2261.6	2247.3
7.5°	2542.5	2530.0	2525.6	2521.9	2517.5	2513.8	2526.2	2538.7	2551.2	2563.7	2562.4
10°	2770.9	2827.7	2841.4	2855.1	2869.5	2883.2	2854.5	2825.8	2797.1	2768.4	2756.5
12.5°	2978.7	3036.1	3081.7	3127.2	3173.4	3219.0	3177.8	3137.2	3096.0	3055.4	3016.8
15°	2955.0	2994.3	3031.7	3069.2	3106.6	3144.1	3130.3	3117.2	3103.5	3089.8	3083.5
17.5°	3011.8	3035.5	3026.7	3018.0	3008.6	2999.9	2995.5	2991.8	2987.4	2983.1	2968.1
20°	2919.4	2941.9	2936.3	2931.3	2925.6	2920.0	2916.3	2912.5	2908.8	2905.0	2893.2
22.5°	2838.3	2802.7	2793.3	2784.6	2775.2	2766.5	2767.8	2769.0	2769.6	2770.9	2824.5
25°	2933.1	2845.1	2810.8	2776.5	2741.5	2707.2	2722.8	2737.8	2753.4	2769.0	2846.4
27.5°	2950.6	2818.3	2763.4	2708.5	2653.5	2598.6	2654.8	2711.0	2767.1	2823.3	2948.7
30°	3082.9	2951.2	2874.5	2798.3	2721.6	2645.4	2717.2	2789.0	2860.7	2932.5	3068.6
32.5°	3196.5	3104.1	3049.2	2994.3	2939.4	2884.5	2887.6	2890.1	2893.2	2896.3	3087.9
35°	3290.1	3153.4	3103.5	3054.2	3004.3	2955.0	3029.2	3103.5	3177.8	3252.0	3424.3
37.5°	3690.8	3599.0	3507.3	3416.2	3324.4	3233.3	3292.6	3351.9	3411.8	3471.1	3661.4
40°	3973.5	3823.7	3800.0	3776.9	3753.2	3730.1	3760.6	3790.6	3821.2	3851.8	4018.4
42.5°	4558.2	4457.7	4393.5	4329.8	4265.5	4201.9	4226.2	4250.5	4275.5	4299.8	4457.7
45°	5249.7	5180.4	5138.0	5095.5	5052.5	5010.0	4973.2	4937.0	4900.2	4864.0	5024.4
47.5°	5911.8	5944.9	6038.5	6131.5	6225.1	6318.1	6242.0	6165.8	6089.1	6012.9	6013.5
50°	6902.2	7136.2	7183.7	7230.5	7277.9	7324.7	7162.5	7000.2	6837.3	6675.1	6655.7
52.5°	7746.6	8069.2	8086.1	8102.9	8120.4	8137.3	8071.7	8006.2	7940.1	7874.5	7700.4
55°	8410.0	8752.6	8775.7	8798.1	8821.2	8843.7	8786.3	8729.5	8672.1	8614.7	8438.7
57.5°	8965.4	9274.9	9288.7	9301.8	9315.5	9329.2	9333.6	9338.0	9343.0	9347.3	9109.6
60°	9441.6	9774.8	9747.4	9720.5	9693.1	9666.2	9625.0	9583.9	9542.7	9501.5	9348.0
62.5°	9552.6	9806.0	9763.6	9721.8	9679.3	9637.5	9602.6	9568.3	9533.3	9498.4	9400.4
65°	9312.4	9414.7	9371.0	9327.4	9283.1	9239.4	9216.9	9195.1	9172.6	9150.1	9137.6
67.5°	8070.5	8016.2	8068.0	8119.8	8171.6	8223.4	8293.9	8364.4	8435.6	8506.1	8464.9
70°	6444.8	6306.9	6364.3	6421.1	6478.5	6535.3	6642.0	6748.7	6856.0	6962.8	6934.0
72.5°	4921.4	4746.7	4754.8	4762.9	4771.6	4779.8	4776.6	4774.1	4771.0	4767.9	4817.8
75°	3633.3	3465.5	3386.2	3307.0	3227.7	3148.4	3129.1	3109.7	3090.4	3071.1	3164.0
77.5°	2613.0	2496.9	2442.6	2388.9	2334.6	2281.0	2308.4	2335.9	2364.0	2391.4	2423.9
80°	2135.6	2161.2	2119.3	2078.2	2036.3	1994.5	2025.7	2056.3	2087.5	2118.7	2022.0
82.5°	1393.5	1431.6	1303.1	1174.5	1045.9	917.4	995.4	1073.4	1152.0	1230.0	1190.1
85°	542.3	483.0	411.9	341.4	270.2	199.1	259.0	318.9	378.8	438.7	478.7
87.5°	34.9	27.5	21.8	16.2	10.0	4.4	9.4	14.4	20.0	25.0	41.8
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: P597059
 CATALOG NUMBER: MSA-SA3C-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: P597059

CATALOG NUMBER: MSA-SA3C-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3
2.5°	1663.8	1643.2	1623.2	1583.9	1544.6	1505.3	1465.9	1520.9	1575.8	1630.7	1685.6
5°	2233.5	2219.2	2205.5	2209.2	2213.0	2217.3	2221.1	2229.2	2237.3	2244.8	2252.9
7.5°	2561.8	2560.6	2559.3	2530.6	2501.9	2472.6	2443.9	2458.2	2472.6	2486.9	2501.3
10°	2745.3	2733.4	2721.6	2658.5	2595.5	2531.9	2468.8	2441.4	2413.3	2385.8	2358.4
12.5°	2978.1	2938.7	2900.1	2832.7	2765.9	2698.5	2631.1	2606.1	2580.5	2555.6	2530.0
15°	3077.9	3071.7	3066.1	3018.0	2969.3	2921.3	2872.6	2787.1	2701.0	2615.5	2530.0
17.5°	2953.1	2937.5	2922.5	2998.7	3074.2	3150.3	3226.4	3137.8	3049.2	2960.6	2872.0
20°	2881.3	2869.5	2857.6	2999.3	3140.3	3282.0	3423.0	3383.7	3343.8	3304.5	3265.1
22.5°	2878.2	2932.5	2986.2	3110.4	3233.9	3358.1	3481.7	3549.7	3618.4	3686.4	3754.4
25°	2923.8	3001.8	3079.2	3285.1	3491.1	3697.6	3903.6	3981.6	4059.0	4137.0	4214.3
27.5°	3073.5	3199.0	3323.8	3503.5	3683.3	3863.6	4043.4	4213.7	4384.7	4555.1	4725.5
30°	3204.0	3340.0	3476.1	3690.1	3903.6	4117.6	4331.1	4544.5	4757.9	4971.3	5184.8
32.5°	3279.5	3471.7	3663.3	3923.5	4183.1	4443.4	4703.6	4937.6	5171.7	5405.1	5639.1
35°	3596.5	3769.4	3941.6	4229.3	4517.0	4805.3	5093.0	5382.6	5672.2	5961.1	6250.7
37.5°	3851.8	4042.7	4233.1	4547.6	4861.5	5176.0	5490.6	5890.6	6291.3	6691.3	7091.3
40°	4185.0	4351.6	4518.3	4812.8	5106.8	5401.3	5695.9	6203.3	6710.6	7217.4	7724.7
42.5°	4615.0	4772.9	4930.8	5245.9	5561.1	5876.2	6191.4	6753.1	7314.7	7875.8	8437.4
45°	5184.8	5345.8	5506.2	5757.1	6007.9	6258.8	6509.7	7106.9	7703.5	8300.8	8897.4
47.5°	6014.2	6014.8	6015.4	6196.4	6377.4	6559.0	6740.0	7341.6	7942.5	8544.2	9145.1
50°	6636.4	6616.4	6597.1	6690.7	6783.6	6877.3	6970.9	7524.4	8078.6	8632.1	9185.7
52.5°	7526.9	7352.8	7179.3	7234.9	7289.8	7345.3	7400.2	7868.9	8338.2	8806.9	9275.6
55°	8263.3	8087.3	7911.3	7890.7	7870.2	7849.6	7829.0	8260.2	8691.4	9122.7	9553.9
57.5°	8872.4	8634.6	8397.5	8350.1	8303.3	8255.8	8208.4	8663.3	9117.7	9572.6	10026.9
60°	9195.1	9041.5	8888.0	8857.4	8826.2	8795.7	8764.4	9137.6	9510.8	9884.0	10257.2
62.5°	9303.0	9205.0	9107.7	9165.1	9222.5	9280.6	9338.0	9502.1	9665.6	9829.7	9993.2
65°	9125.8	9113.3	9100.8	9218.8	9336.1	9454.0	9572.0	9531.4	9490.2	9449.7	9409.1
67.5°	8424.3	8383.1	8342.6	8601.6	8859.9	9118.9	9377.9	9181.3	8984.1	8787.5	8591.0
70°	6905.3	6876.0	6847.3	7220.5	7593.7	7967.5	8340.7	8102.3	7863.9	7625.5	7387.1
72.5°	4867.1	4917.1	4967.0	5406.9	5846.3	6286.3	6725.6	6485.3	6245.1	6004.8	5764.5
75°	3256.4	3349.4	3442.4	3895.4	4348.5	4802.2	5255.3	4973.2	4691.1	4409.1	4127.0
77.5°	2456.3	2488.8	2521.2	2807.7	3094.1	3381.2	3667.7	3434.9	3201.5	2968.7	2735.3
80°	1925.3	1827.9	1731.2	1825.4	1919.6	2013.9	2108.1	1968.9	1829.8	1691.2	1552.1
82.5°	1150.2	1110.2	1070.3	1121.5	1172.0	1223.2	1274.4	1214.4	1153.9	1094.0	1033.5
85°	518.0	557.9	597.2	649.0	700.2	752.0	803.8	720.2	636.6	552.9	469.3
87.5°	58.0	74.9	91.7	113.6	135.4	157.3	179.1	139.8	99.9	60.5	21.2
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: P597059
 CATALOG NUMBER: MSA-SA3C-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: P597059
 CATALOG NUMBER: MSA-SA3C-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1319.3	1319.3
2.5°	1717.4	1749.3
5°	2252.3	2251.0
7.5°	2463.8	2425.8
10°	2323.4	2288.5
12.5°	2440.7	2351.5
15°	2462.6	2395.2
17.5°	2762.1	2651.7
20°	3123.5	2981.2
22.5°	3559.7	3364.4
25°	3982.2	3750.0
27.5°	4586.3	4446.5
30°	5043.7	4902.1
32.5°	5543.0	5446.9
35°	6155.2	6059.1
37.5°	7116.3	7140.6
40°	7739.7	7754.7
42.5°	8495.5	8553.5
45°	8962.3	9027.2
47.5°	9235.6	9326.1
50°	9331.7	9477.8
52.5°	9455.9	9635.7
55°	9754.2	9954.6
57.5°	10186.7	10346.5
60°	10264.7	10272.2
62.5°	9877.8	9762.3
65°	9286.2	9163.2
67.5°	8516.7	8441.8
70°	7288.5	7189.9
72.5°	5581.1	5397.6
75°	3899.8	3672.7
77.5°	2616.1	2496.9
80°	1555.8	1558.9
82.5°	1062.2	1090.3
85°	463.7	457.4
87.5°	15.0	8.1
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: P597059
CATALOG NUMBER: MSA-SA3C-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)