

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: P596906

Luminaire Tested: **MSA-SA1D-835-U-SLR**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P596906
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-24)
Test Lab: INNOVATIONS CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: MSA-SA1D-835-U-SLR
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4843 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

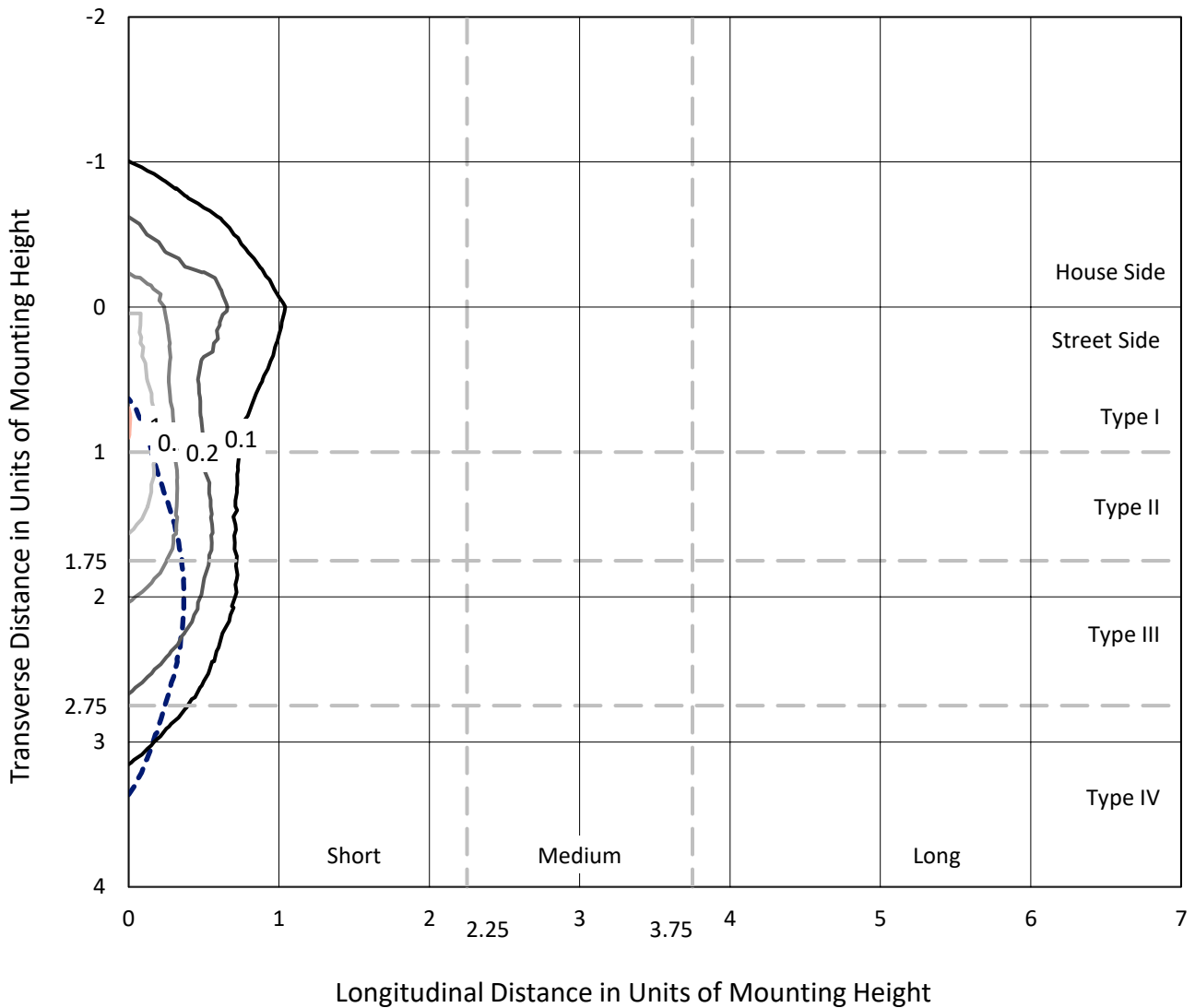
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

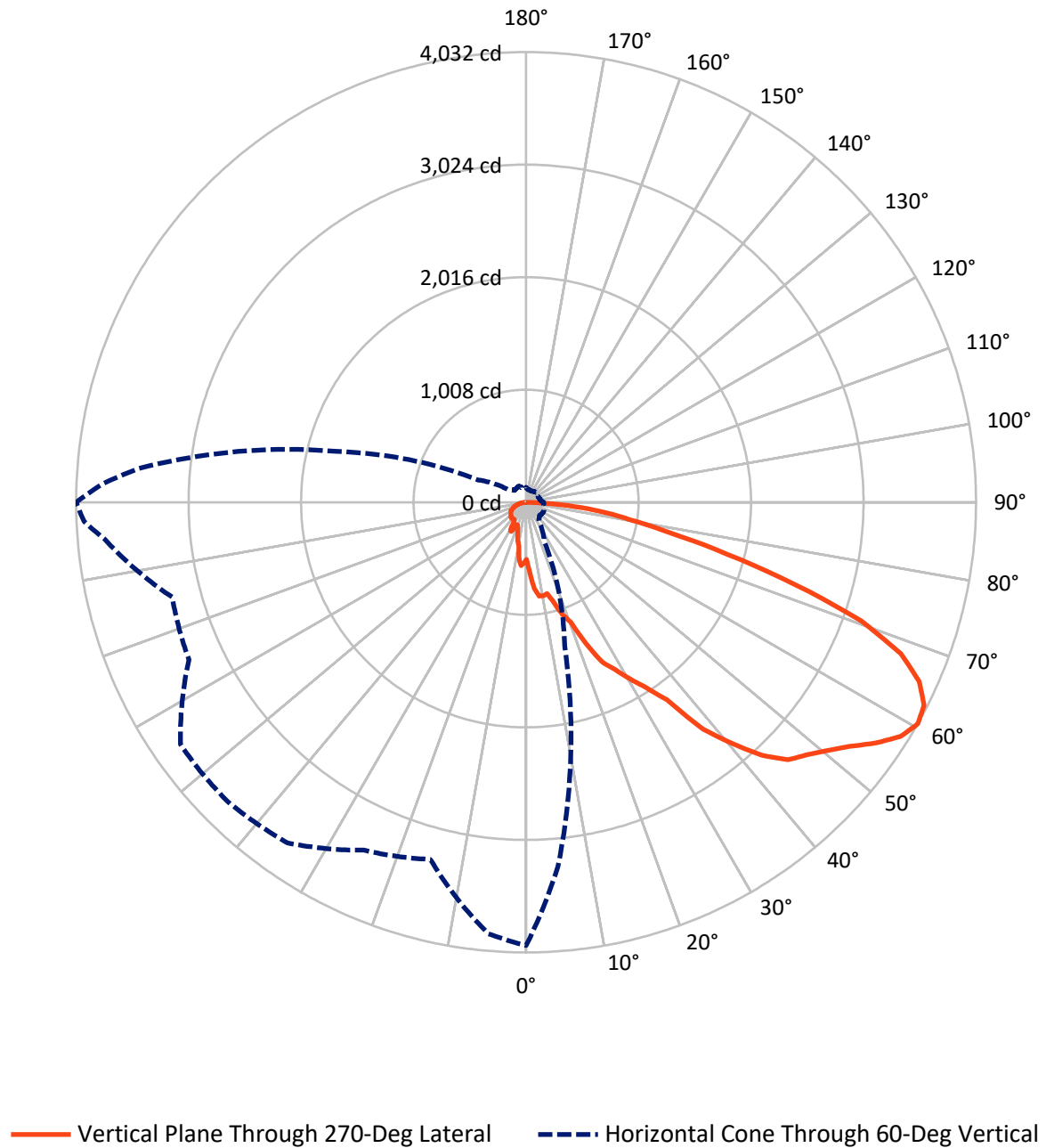
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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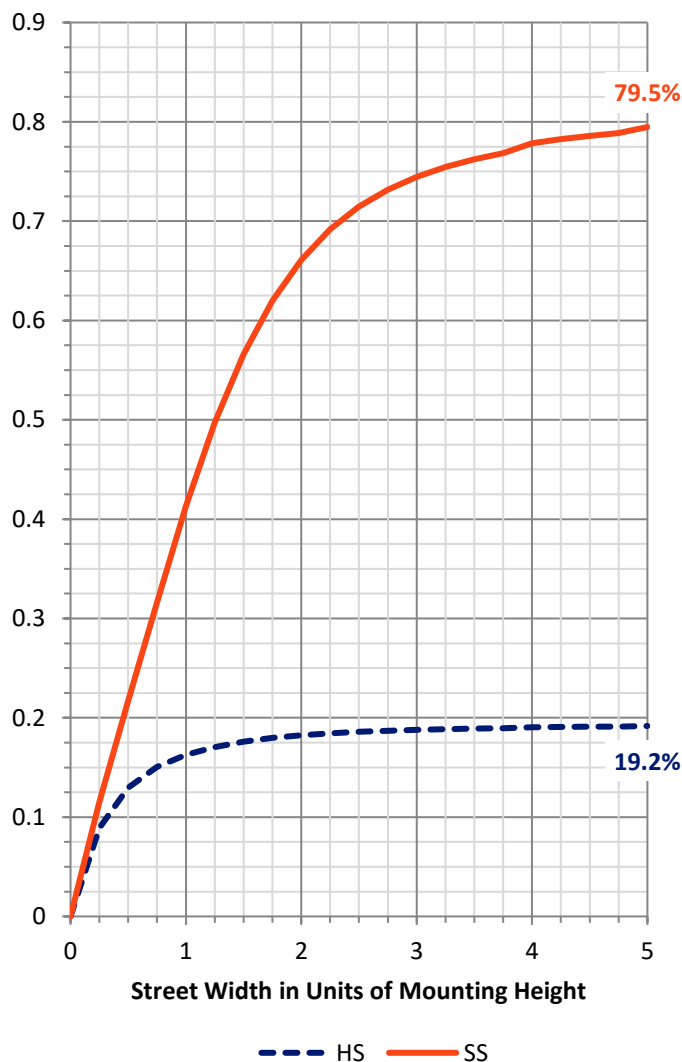
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	938.0	0.0	938.0
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	3905.0	0.0	3905.0
	% Fixture	80.6	0.0	80.6
Total	Lumens	4843.0	0.0	4843.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.6	1.2
10°-20°	170.2	3.5
20°-30°	300.4	6.2
30°-40°	467.9	9.7
40°-50°	770.3	15.9
50°-60°	1099.4	22.7
60°-70°	1165.8	24.1
70°-80°	643.9	13.3
80°-90°	166.6	3.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4843.0	100.0
0°-180°	4843.0	100.0

Coefficient of Utilization

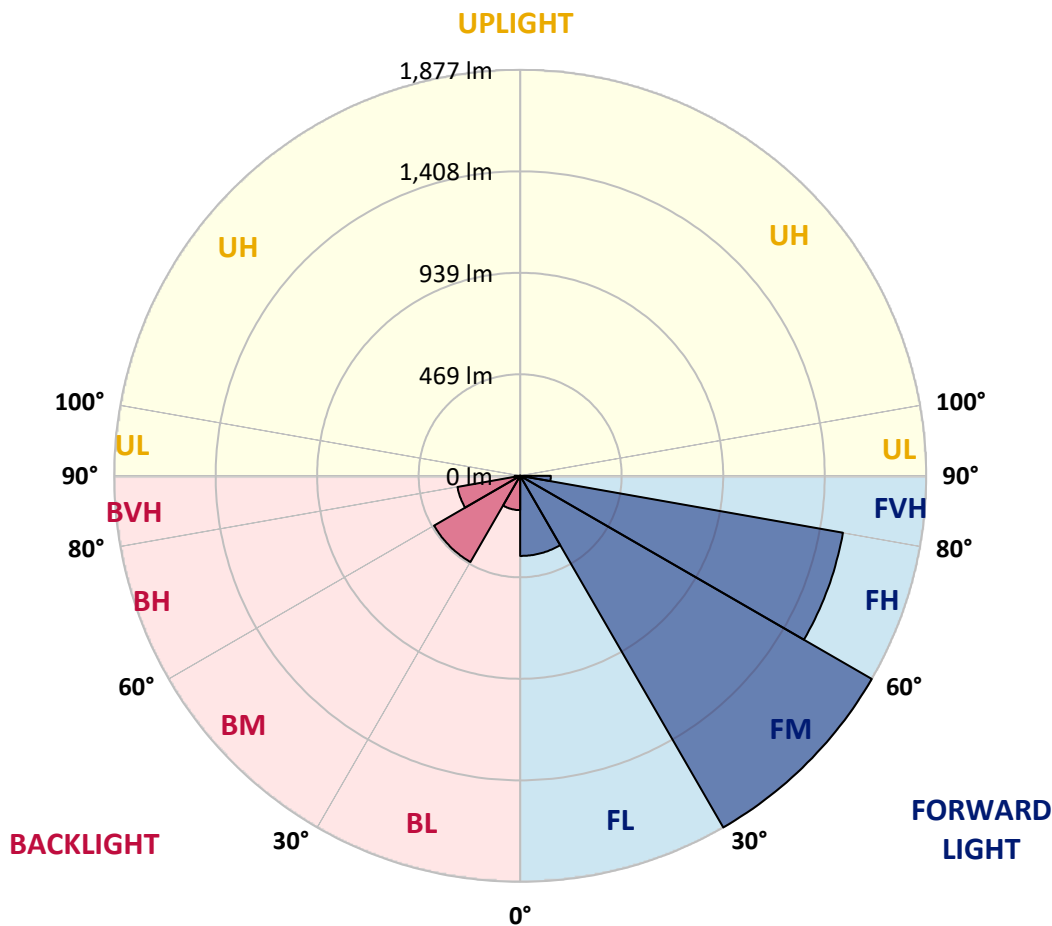


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	370.6	7.7			
FM (30°-60°)	1877.5	38.8			
FH (60°-80°)	1515.4	31.3			G1/1800
FVH (80°-90°)	141.6	2.9			G2/225
BL (0°-30°)	158.6	3.3	B1/500		
BM (30°-60°)	460.1	9.5	B1/1000		
BH (60°-80°)	294.3	6.1	B1/500		G1/500
BVH (80°-90°)	25.0	0.5			G1/100
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°	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8
2.5°	684.1	688.3	692.3	684.3	676.3	668.1	660.1	648.1	635.9	623.9	611.7
5°	821.6	806.1	790.3	784.0	777.9	771.5	765.2	759.3	753.4	747.3	741.4
7.5°	864.6	842.5	820.2	810.8	801.4	791.7	782.3	761.2	740.0	718.6	697.5
10°	817.3	794.3	771.0	761.9	752.5	743.3	733.9	708.0	682.4	656.6	630.7
12.5°	855.4	831.9	808.2	779.0	749.9	720.5	691.3	677.0	662.7	648.1	633.8
15°	892.1	860.4	828.4	799.2	770.1	740.7	711.6	682.9	654.2	625.5	596.8
17.5°	1026.1	973.2	920.3	867.6	814.8	762.1	709.2	676.1	642.7	609.5	576.2
20°	1189.5	1115.9	1042.1	962.1	882.0	802.1	721.9	680.1	638.5	596.6	554.8
22.5°	1383.9	1291.0	1198.2	1097.3	996.5	895.4	794.5	733.9	673.2	612.4	551.7
25°	1538.3	1449.0	1359.7	1231.8	1103.9	976.0	848.1	779.3	710.4	641.3	572.4
27.5°	1688.3	1546.1	1403.6	1257.2	1110.9	964.5	818.0	754.3	690.6	626.9	563.2
30°	1815.0	1702.2	1589.3	1398.2	1207.1	1015.7	824.6	746.4	668.1	589.8	511.5
32.5°	2000.5	1839.4	1678.2	1478.8	1279.5	1080.2	880.8	780.7	680.5	580.4	480.3
35°	2217.4	2050.1	1882.7	1636.1	1389.7	1143.2	896.6	790.5	684.3	578.3	472.0
37.5°	2622.0	2327.0	2031.7	1762.6	1493.4	1224.0	954.9	831.7	708.5	585.1	461.9
40°	2845.1	2572.4	2299.7	1964.3	1628.8	1293.1	957.7	831.7	705.4	579.5	453.2
42.5°	3142.4	2797.6	2452.5	2089.8	1727.3	1364.6	1001.9	862.2	722.6	582.7	443.1
45°	3323.7	2939.3	2554.8	2167.1	1779.5	1391.9	1004.2	862.5	720.7	579.0	437.2
47.5°	3440.5	3071.4	2702.1	2284.9	1867.6	1450.2	1032.9	882.5	731.8	581.3	430.7
50°	3551.2	3185.7	2819.9	2386.7	1953.7	1520.4	1087.2	922.9	758.6	594.0	429.7
52.5°	3687.1	3350.5	3013.6	2548.9	2083.9	1619.2	1154.2	975.3	796.4	617.5	438.6
55°	3884.8	3553.1	3221.2	2722.4	2223.3	1724.5	1225.4	1026.8	828.4	629.8	431.1
57.5°	4012.9	3676.5	3340.1	2831.4	2322.7	1813.8	1305.1	1085.1	865.1	644.8	424.8
60°	3970.4	3623.4	3276.2	2791.2	2306.3	1821.3	1336.4	1098.7	861.3	623.6	386.0
62.5°	3782.3	3413.5	3044.6	2610.2	2176.1	1741.6	1307.2	1065.6	824.2	582.5	340.9
65°	3519.5	3138.2	2756.7	2364.8	1973.0	1581.1	1189.2	969.9	750.3	531.0	311.5
67.5°	3197.0	2799.5	2401.7	2054.8	1707.8	1360.6	1013.6	830.3	647.2	463.8	280.4
70°	2792.4	2401.7	2011.0	1710.9	1410.7	1110.5	810.3	672.3	534.6	396.6	258.6
72.5°	2244.5	1907.4	1570.3	1334.0	1097.8	861.5	625.3	529.4	433.7	337.8	241.9
75°	1596.4	1398.2	1200.0	1016.2	832.4	648.3	464.5	402.4	340.4	278.3	216.3
77.5°	1134.5	1017.6	900.8	756.7	612.6	468.5	324.4	288.0	251.8	215.3	178.9
80°	838.7	741.2	643.6	535.0	426.4	317.8	209.2	191.3	173.7	155.9	138.0
82.5°	552.2	508.2	464.0	378.0	292.0	205.9	119.9	113.3	106.7	100.1	93.6
85°	247.3	261.2	274.8	222.1	169.3	116.6	63.7	60.6	57.6	54.5	51.5
87.5°	23.7	35.0	46.3	39.7	32.9	26.3	19.5	19.3	19.3	19.0	18.8
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):

	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°	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8
2.5°	614.9	618.2	621.5	624.8	621.3	617.8	614.0	610.5	606.0	601.5	596.8
5°	731.5	721.4	711.6	701.5	686.4	671.4	656.1	641.0	639.2	637.0	635.2
7.5°	678.9	660.6	642.0	623.4	599.9	576.6	553.1	529.6	522.6	515.5	508.5
10°	618.2	605.5	593.1	580.4	565.8	551.2	536.4	521.9	502.6	483.1	463.8
12.5°	613.1	592.4	571.5	550.8	541.8	532.9	524.0	515.0	498.1	481.2	464.0
15°	580.2	563.2	546.5	529.6	516.7	503.8	490.8	477.9	464.3	450.4	436.8
17.5°	556.9	537.6	518.3	499.1	484.2	469.4	454.4	439.6	423.1	406.4	390.0
20°	532.7	510.8	488.7	466.6	447.8	429.2	410.4	391.6	373.5	355.7	337.6
22.5°	522.8	493.9	465.0	436.1	416.3	396.3	376.6	356.6	339.9	323.2	306.5
25°	537.8	503.5	469.0	434.4	407.8	381.1	354.5	327.7	313.8	300.0	285.8
27.5°	520.2	477.0	433.9	390.7	362.2	333.6	305.1	276.4	274.3	272.2	269.9
30°	466.1	420.8	375.4	330.0	303.9	277.6	251.5	225.2	220.3	215.1	210.2
32.5°	433.9	387.6	341.3	295.0	271.7	248.2	225.0	201.5	195.8	190.2	184.5
35°	421.7	371.4	321.1	270.8	250.8	230.8	210.9	190.9	186.9	183.1	179.1
37.5°	411.8	362.0	311.9	261.9	242.6	223.3	203.8	184.5	181.5	178.4	175.4
40°	402.4	351.9	301.1	250.4	233.2	216.3	199.1	181.9	180.1	178.2	176.1
42.5°	394.0	344.8	295.5	246.4	231.1	216.0	200.8	185.5	183.6	181.7	179.8
45°	389.3	341.3	293.4	245.4	234.4	223.3	212.0	201.0	196.5	192.1	187.4
47.5°	385.8	340.9	296.0	251.1	239.5	228.0	216.5	205.0	201.0	197.0	192.8
50°	386.5	343.4	300.2	256.9	243.1	229.0	215.1	201.0	200.5	200.0	199.6
52.5°	392.8	347.2	301.4	255.5	240.5	225.4	210.2	195.1	198.2	201.0	204.0
55°	383.6	336.2	288.4	240.9	226.6	212.5	198.2	183.8	187.8	191.6	195.6
57.5°	373.3	321.8	270.3	218.9	208.0	197.2	186.2	175.4	179.6	184.1	188.3
60°	339.0	292.0	244.9	197.9	190.6	183.4	176.1	168.8	170.7	172.5	174.4
62.5°	301.4	261.6	222.1	182.4	176.8	170.9	165.3	159.4	159.4	159.6	159.6
65°	277.4	243.3	209.2	175.1	168.8	162.4	155.9	149.5	148.6	147.6	146.7
67.5°	253.4	226.6	199.6	172.5	163.4	154.4	145.3	136.1	134.9	134.0	132.8
70°	234.6	210.6	186.6	162.7	152.3	142.2	131.9	121.5	120.6	119.9	118.9
72.5°	219.3	197.0	174.4	151.9	141.0	130.0	119.2	108.1	107.4	106.7	105.8
75°	196.3	176.5	156.6	136.6	126.0	115.7	105.1	94.5	93.6	92.9	91.9
77.5°	162.4	145.7	129.3	112.6	104.4	96.4	88.2	79.9	79.5	79.0	78.3
80°	125.1	112.1	99.0	86.0	80.6	75.0	69.6	63.9	63.7	63.5	63.0
82.5°	85.8	78.0	70.3	62.5	58.5	54.3	50.3	46.1	46.3	46.5	46.8
85°	48.9	46.1	43.5	40.7	37.4	34.3	31.0	27.7	28.4	29.1	29.6
87.5°	17.9	16.9	16.0	15.0	13.4	12.0	10.3	8.7	9.2	9.9	10.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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: P596906
 CATALOG NUMBER: MSA-SA1D-835-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8
2.5°	592.4	585.3	578.3	571.2	564.2	549.6	535.3	520.7	506.1	515.0	524.2
5°	633.0	621.1	608.8	596.8	584.6	577.8	571.0	564.2	557.4	560.9	564.6
7.5°	501.4	494.4	487.1	480.0	472.7	469.7	466.9	463.8	460.7	469.4	478.1
10°	444.3	434.4	424.5	414.4	404.6	398.7	392.8	386.9	381.1	383.4	385.8
12.5°	447.1	432.5	418.0	403.4	388.8	380.1	371.4	362.7	354.0	356.1	358.2
15°	422.9	407.8	392.8	377.8	362.7	352.6	342.3	332.2	321.8	318.3	314.5
17.5°	373.3	356.8	340.4	323.9	307.5	300.7	293.8	287.0	280.2	276.4	272.7
20°	319.5	304.2	288.9	273.6	258.3	253.6	248.9	244.0	239.3	237.0	234.4
22.5°	289.8	280.4	270.8	261.4	251.8	246.4	241.2	235.8	230.4	227.8	225.0
25°	272.0	273.9	276.0	277.9	279.7	277.4	274.8	272.4	269.9	270.8	271.5
27.5°	267.7	271.7	276.0	280.0	284.0	286.1	288.2	290.3	292.4	293.1	293.8
30°	205.0	207.1	209.0	211.1	213.0	218.9	224.7	230.4	236.2	245.4	254.8
32.5°	178.9	178.2	177.5	176.5	175.8	177.2	178.7	179.8	181.2	184.5	188.1
35°	175.1	173.5	171.6	170.0	168.1	168.8	169.5	170.2	170.9	173.5	176.1
37.5°	172.3	171.6	171.1	170.4	169.7	171.4	172.8	174.4	175.8	177.9	180.1
40°	174.2	174.0	173.7	173.2	173.0	174.0	174.9	175.8	176.8	179.6	182.4
42.5°	177.9	177.9	177.7	177.7	177.5	178.4	179.1	180.1	180.8	182.4	184.1
45°	182.9	182.4	182.2	181.7	181.2	181.0	181.0	180.8	180.5	181.5	182.7
47.5°	188.8	187.1	185.2	183.6	181.7	181.2	180.5	180.1	179.4	179.8	180.3
50°	199.1	194.6	190.4	185.9	181.5	180.3	179.1	177.9	176.8	176.5	176.5
52.5°	206.9	200.3	193.7	187.1	180.5	178.4	176.3	174.2	172.1	171.6	171.4
55°	199.3	194.4	189.7	184.8	179.8	176.8	173.5	170.4	167.1	166.4	165.7
57.5°	192.5	189.5	186.4	183.4	180.3	177.2	174.0	170.9	167.6	166.0	164.3
60°	176.3	176.3	176.5	176.5	176.5	173.2	170.0	166.7	163.4	161.7	160.3
62.5°	159.6	162.2	164.6	167.1	169.5	165.0	160.3	155.9	151.2	150.0	149.0
65°	145.7	146.4	147.4	148.1	148.8	145.3	141.7	138.2	134.7	134.0	133.1
67.5°	131.6	131.4	131.2	130.7	130.5	128.3	126.0	123.9	121.5	120.6	119.7
70°	118.0	117.8	117.5	117.1	116.8	114.9	113.1	111.2	109.3	108.6	107.9
72.5°	105.1	104.8	104.4	104.1	103.7	102.0	100.6	99.0	97.3	96.4	95.4
75°	91.0	90.5	90.0	89.6	89.1	87.7	86.3	84.6	83.2	82.3	81.3
77.5°	77.8	77.1	76.4	75.5	74.8	73.6	72.2	71.0	69.6	68.4	67.5
80°	62.8	62.3	61.8	61.1	60.6	59.5	58.3	56.9	55.7	54.3	53.1
82.5°	47.0	46.8	46.3	46.1	45.6	44.4	43.3	42.1	40.9	39.5	38.1
85°	30.3	30.1	29.9	29.6	29.4	28.4	27.7	26.8	25.9	24.4	23.3
87.5°	10.8	10.3	10.1	9.6	9.2	8.9	8.5	8.2	7.8	7.1	6.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596906
 CATALOG NUMBER: MSA-SA1D-835-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P596906

CATALOG NUMBER: MSA-SA1D-835-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8
2.5°	533.1	542.1	542.3	542.3	546.5	550.5	542.3	534.1	525.6	517.4	509.2
5°	568.2	571.7	570.8	569.6	564.4	559.2	553.8	548.4	543.0	537.6	537.8
7.5°	486.8	495.5	502.6	509.4	502.8	496.2	492.7	489.2	485.7	482.1	481.7
10°	387.9	390.2	393.0	395.6	391.6	387.4	394.4	401.5	408.3	415.4	407.6
12.5°	360.4	362.5	357.5	352.4	350.7	349.1	347.4	345.6	343.9	342.0	341.1
15°	311.0	307.2	303.5	299.5	298.5	297.4	296.2	294.8	293.6	292.2	288.0
17.5°	268.9	265.2	258.8	252.2	249.6	246.8	246.1	245.4	244.5	243.8	239.8
20°	232.0	229.4	227.8	225.9	223.3	220.7	218.1	215.6	212.7	210.2	206.4
22.5°	222.4	219.6	217.4	215.1	214.6	214.2	209.4	204.5	199.8	194.9	192.8
25°	272.4	273.2	260.2	247.1	245.9	244.7	236.2	227.5	219.1	210.4	203.1
27.5°	294.3	295.0	294.5	294.1	290.3	286.3	272.0	257.4	243.1	228.5	218.1
30°	264.0	273.2	276.7	280.2	277.6	274.8	259.8	244.9	229.9	214.9	208.0
32.5°	191.3	194.6	200.5	206.2	209.2	212.0	207.3	202.6	197.9	193.2	192.1
35°	178.4	181.0	182.2	183.4	181.5	179.6	176.1	172.5	168.8	165.3	164.6
37.5°	181.9	184.1	186.4	188.8	183.6	178.2	174.2	170.4	166.4	162.4	159.1
40°	185.2	188.1	189.5	190.9	185.7	180.5	175.6	170.9	166.0	161.0	157.7
42.5°	185.7	187.4	189.9	192.5	185.2	177.7	173.2	168.5	164.1	159.4	156.1
45°	183.6	184.5	186.9	189.2	180.8	172.1	168.1	163.8	159.8	155.6	152.8
47.5°	180.5	181.0	182.9	184.5	175.6	166.4	162.7	158.9	154.9	151.2	148.3
50°	176.3	176.1	177.5	178.7	169.5	160.3	156.6	153.0	149.3	145.5	143.2
52.5°	170.9	170.4	171.8	173.0	163.4	153.7	150.4	147.4	144.1	140.8	138.9
55°	164.8	164.1	165.3	166.4	157.0	147.4	144.6	141.5	138.7	135.6	134.0
57.5°	162.4	160.8	161.5	162.2	151.6	141.0	138.2	135.4	132.6	129.8	128.6
60°	158.7	157.0	157.7	158.2	146.9	135.4	132.8	130.0	127.4	124.6	123.4
62.5°	147.9	146.7	147.6	148.6	138.5	128.1	125.8	123.6	121.3	118.9	117.3
65°	132.3	131.4	133.3	135.2	126.5	117.8	116.4	114.9	113.3	111.9	110.2
67.5°	118.7	117.8	119.7	121.5	115.2	108.8	107.4	106.0	104.6	103.2	102.3
70°	107.2	106.5	108.1	109.8	104.4	99.0	97.6	96.4	95.0	93.6	92.9
72.5°	94.3	93.3	95.4	97.3	92.9	88.2	87.0	85.6	84.4	83.0	82.5
75°	80.4	79.5	81.3	83.0	79.9	76.6	75.5	74.3	73.1	71.9	71.7
77.5°	66.3	65.1	67.0	68.6	66.8	64.6	63.7	62.5	61.6	60.4	60.4
80°	51.7	50.3	51.7	52.9	52.2	51.5	50.8	49.8	49.1	48.2	48.4
82.5°	36.7	35.3	36.0	36.7	37.1	37.6	37.6	37.6	37.6	37.6	37.6
85°	21.9	20.5	20.7	20.9	21.6	22.3	22.6	22.8	23.0	23.3	23.5
87.5°	5.6	4.9	4.5	3.8	4.5	4.9	5.4	5.6	6.1	6.3	6.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596906
 CATALOG NUMBER: MSA-SA1D-835-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P596906

CATALOG NUMBER: MSA-SA1D-835-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8
2.5°	500.9	492.5	484.2	489.4	494.4	499.5	504.5	504.7	504.7	504.9	504.9
5°	538.3	538.5	538.8	533.8	529.1	524.2	519.3	516.7	514.1	511.3	508.7
7.5°	481.0	480.5	479.8	475.1	470.4	465.7	461.0	449.7	438.2	426.9	415.4
10°	399.6	391.9	383.9	382.0	380.3	378.5	376.6	373.5	370.7	367.7	364.6
12.5°	340.1	339.2	338.3	333.3	328.4	323.2	318.3	318.3	318.3	318.3	318.3
15°	283.5	279.3	274.8	272.4	269.9	267.5	264.9	263.8	262.6	261.4	260.2
17.5°	235.5	231.5	227.3	226.8	226.4	225.9	225.4	224.3	223.1	221.9	220.7
20°	202.6	198.9	195.1	196.5	197.9	199.1	200.5	199.3	198.2	196.8	195.6
22.5°	190.4	188.3	185.9	184.8	183.6	182.2	181.0	181.0	181.2	181.2	181.2
25°	196.0	188.8	181.5	177.9	174.4	170.7	167.1	165.7	164.6	163.1	161.7
27.5°	207.8	197.2	186.9	180.8	174.7	168.5	162.4	159.8	157.0	154.4	151.6
30°	201.0	194.2	187.1	180.1	173.0	166.0	158.9	155.6	152.3	148.8	145.5
32.5°	190.9	189.5	188.3	181.7	175.1	168.3	161.7	160.3	159.1	157.7	156.3
35°	163.6	162.9	162.0	160.3	158.7	157.0	155.4	153.5	151.6	149.7	147.9
37.5°	156.1	152.8	149.5	148.8	148.1	147.4	146.7	146.0	145.3	144.3	143.6
40°	154.4	151.2	147.9	146.7	145.5	144.1	142.9	143.2	143.6	143.9	144.1
42.5°	152.6	149.3	145.7	144.8	143.9	142.9	142.0	142.2	142.7	142.9	143.2
45°	150.2	147.4	144.6	142.9	141.5	139.9	138.2	139.6	141.0	142.2	143.6
47.5°	145.5	142.5	139.6	138.7	137.8	136.6	135.6	137.0	138.5	139.6	141.0
50°	140.6	138.2	135.6	135.4	135.2	134.7	134.5	135.4	136.3	137.3	138.2
52.5°	136.8	134.9	132.8	132.8	132.6	132.6	132.3	133.3	134.2	134.9	135.9
55°	132.6	130.9	129.3	129.5	130.0	130.2	130.5	131.4	132.6	133.5	134.5
57.5°	127.2	126.0	124.6	125.5	126.2	127.2	127.9	128.6	129.5	130.2	130.9
60°	122.0	120.8	119.4	120.4	121.5	122.5	123.4	124.1	124.8	125.5	126.2
62.5°	115.7	113.8	112.1	113.5	114.7	116.1	117.3	117.8	118.5	118.9	119.4
65°	108.8	107.2	105.5	106.5	107.4	108.1	109.1	109.8	110.5	111.2	111.9
67.5°	101.1	100.1	99.0	99.7	100.4	101.1	101.8	102.0	102.0	102.3	102.3
70°	91.9	91.2	90.3	90.7	91.4	91.9	92.4	92.4	92.4	92.1	92.1
72.5°	82.3	81.8	81.3	81.6	82.0	82.3	82.5	82.3	82.0	81.8	81.6
75°	71.5	71.2	71.0	71.2	71.7	71.9	72.2	71.9	71.5	71.2	70.8
77.5°	60.6	60.6	60.6	60.6	60.9	60.9	60.9	60.4	59.9	59.5	59.0
80°	48.7	48.9	49.1	49.1	49.1	49.1	49.1	48.7	48.2	47.5	47.0
82.5°	37.6	37.6	37.6	37.6	37.8	37.8	37.8	36.7	35.7	34.6	33.4
85°	23.5	23.7	23.7	24.0	24.2	24.2	24.4	22.8	21.4	19.7	18.1
87.5°	6.3	6.3	6.3	6.3	6.3	6.1	6.1	4.7	3.1	1.6	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: P596906
 CATALOG NUMBER: MSA-SA1D-835-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P596906
 CATALOG NUMBER: MSA-SA1D-835-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8
2.5°	506.3	507.8	508.9	510.3	510.6	510.8	510.8	511.0	506.1	501.2	496.0
5°	512.2	515.5	519.0	522.3	521.6	520.9	520.2	519.5	518.1	516.9	515.5
7.5°	412.8	410.4	407.8	405.3	407.4	409.5	411.6	413.7	414.7	415.6	416.3
10°	358.7	352.8	347.0	341.1	337.8	334.3	331.0	327.5	327.0	326.7	326.3
12.5°	312.2	305.8	299.7	293.4	291.5	289.4	287.5	285.4	287.3	289.1	290.8
15°	257.6	255.3	252.7	250.1	252.2	254.3	256.5	258.6	260.5	262.1	264.0
17.5°	219.6	218.6	217.4	216.3	218.1	220.3	222.1	224.0	228.3	232.5	236.7
20°	194.6	193.9	193.0	192.1	191.3	190.4	189.7	188.8	194.9	200.8	206.9
22.5°	179.8	178.4	177.0	175.6	175.8	176.1	176.1	176.3	181.2	186.4	191.3
25°	161.3	160.8	160.3	159.8	161.3	162.7	163.8	165.3	169.7	174.2	178.4
27.5°	151.9	152.1	152.3	152.6	154.4	156.6	158.4	160.3	163.4	166.4	169.5
30°	146.7	148.1	149.3	150.4	151.2	151.9	152.6	153.3	156.3	159.1	162.2
32.5°	154.4	152.6	150.4	148.6	149.5	150.7	151.6	152.6	155.4	158.2	161.0
35°	147.2	146.2	145.5	144.6	145.7	146.9	147.9	149.0	151.6	154.0	156.6
37.5°	143.4	143.2	142.9	142.7	143.4	144.1	144.6	145.3	147.6	150.0	152.1
40°	143.2	142.0	141.0	139.9	140.6	141.3	141.7	142.5	145.3	148.1	150.9
42.5°	141.7	140.3	138.7	137.3	138.0	138.9	139.6	140.3	143.4	146.2	149.3
45°	141.5	139.4	137.0	134.9	135.9	136.8	137.8	138.7	141.0	143.4	145.5
47.5°	138.9	136.8	134.7	132.6	133.1	133.5	133.8	134.2	136.3	138.2	140.3
50°	136.8	135.2	133.8	132.1	131.4	130.9	130.2	129.5	131.2	132.8	134.5
52.5°	134.2	132.6	130.7	129.1	128.1	127.2	126.2	125.3	126.7	127.9	129.3
55°	132.6	130.5	128.6	126.5	125.3	124.1	122.9	121.8	122.7	123.4	124.4
57.5°	129.1	127.2	125.1	123.2	121.8	120.4	118.7	117.3	117.8	118.2	118.7
60°	124.4	122.2	120.4	118.2	116.6	114.9	113.1	111.4	111.7	112.1	112.4
62.5°	117.5	115.7	113.5	111.7	109.8	108.1	106.3	104.4	104.8	105.1	105.5
65°	110.0	107.9	106.0	103.9	102.3	100.6	98.7	97.1	97.6	98.0	98.3
67.5°	100.8	99.2	97.8	96.1	94.7	93.1	91.7	90.0	90.3	90.5	90.7
70°	91.0	89.6	88.4	87.0	85.8	84.6	83.5	82.3	82.3	82.5	82.5
72.5°	80.4	79.2	78.0	76.9	75.7	74.8	73.6	72.4	72.9	73.3	73.6
75°	69.6	68.6	67.5	66.3	65.3	64.4	63.2	62.3	62.8	63.2	63.5
77.5°	58.3	57.6	56.7	55.9	55.0	54.1	52.9	52.0	52.4	52.9	53.1
80°	46.5	46.1	45.4	44.9	44.0	43.0	42.1	41.1	41.4	41.4	41.6
82.5°	33.6	33.9	33.9	34.1	33.4	32.4	31.7	30.8	30.8	30.8	30.6
85°	18.8	19.7	20.5	21.2	20.5	19.7	19.0	18.3	18.1	18.1	17.9
87.5°	0.7	1.2	1.9	2.4	2.1	1.9	1.4	1.2	1.4	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596906
 CATALOG NUMBER: MSA-SA1D-835-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P596906
 CATALOG NUMBER: MSA-SA1D-835-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8
2.5°	491.1	495.1	499.1	503.1	507.0	513.2	519.3	525.6	532.0	528.4	524.7
5°	514.1	516.5	519.0	521.4	523.7	530.6	537.1	545.4	553.4	552.4	551.2
7.5°	417.3	420.5	423.8	426.9	430.2	440.5	450.9	459.6	468.3	467.1	465.7
10°	325.8	332.6	339.7	346.5	353.3	361.8	370.0	377.3	384.6	396.8	408.8
12.5°	292.7	303.2	313.8	324.4	335.0	341.1	347.0	356.4	365.8	372.4	379.2
15°	265.6	275.5	285.4	295.2	305.1	305.6	306.1	315.9	325.8	331.5	336.9
17.5°	240.9	246.4	251.8	256.9	262.3	260.5	258.6	263.3	267.7	270.1	272.7
20°	212.7	216.5	220.3	224.0	227.8	230.4	232.7	235.5	238.1	235.8	233.2
22.5°	196.3	201.9	207.8	213.4	219.1	220.7	222.1	220.5	218.9	218.1	217.4
25°	182.9	189.7	196.8	203.6	210.4	213.7	217.0	218.4	219.6	217.0	214.4
27.5°	172.5	180.8	188.8	197.0	205.0	210.9	216.7	218.4	219.8	217.9	215.8
30°	165.0	174.0	182.9	191.8	200.8	209.7	218.4	226.1	233.7	233.0	232.3
32.5°	163.8	170.0	176.1	182.2	188.3	193.9	199.3	199.8	200.0	198.2	196.0
35°	158.9	162.9	166.9	170.9	174.9	178.4	181.7	181.2	180.8	178.9	177.0
37.5°	154.4	158.4	162.7	166.7	170.7	176.8	182.7	181.5	180.1	178.2	176.3
40°	153.7	158.2	162.7	166.9	171.4	177.0	182.7	181.5	180.3	177.9	175.6
42.5°	152.1	156.6	160.8	165.3	169.5	176.3	182.9	180.8	178.4	176.5	174.7
45°	147.9	151.9	155.9	159.8	163.8	171.1	178.4	175.8	173.2	172.5	171.6
47.5°	142.2	146.2	150.2	154.2	158.2	165.5	172.5	170.4	168.1	167.8	167.4
50°	136.1	139.9	143.9	147.6	151.4	158.7	165.7	163.8	162.0	162.2	162.2
52.5°	130.5	134.0	137.3	140.8	144.1	151.4	158.4	157.0	155.4	155.9	156.1
55°	125.1	127.9	130.7	133.5	136.3	143.4	150.4	148.3	146.2	146.9	147.6
57.5°	119.2	121.5	123.9	126.0	128.3	135.4	142.2	139.9	137.3	138.5	139.4
60°	112.6	114.7	116.8	118.7	120.8	127.2	133.3	131.2	128.8	130.5	131.9
62.5°	105.8	107.4	109.1	110.7	112.4	118.2	124.1	122.5	120.8	122.7	124.4
65°	98.7	99.9	101.3	102.5	103.7	109.3	114.7	113.5	112.4	114.0	115.7
67.5°	91.0	91.9	93.1	94.0	95.0	100.1	105.3	104.1	102.7	104.1	105.3
70°	82.5	83.5	84.2	85.1	85.8	90.5	95.2	93.6	91.7	93.1	94.3
72.5°	74.0	74.5	75.2	75.7	76.2	79.7	83.2	81.8	80.4	81.8	83.0
75°	63.9	64.4	64.9	65.3	65.8	68.9	71.7	70.1	68.2	69.6	71.0
77.5°	53.6	53.8	54.3	54.5	54.8	56.9	58.8	57.1	55.2	56.9	58.5
80°	41.6	41.8	42.1	42.1	42.3	43.0	43.7	42.5	41.1	43.3	45.4
82.5°	30.6	30.3	30.3	30.1	29.9	29.9	29.6	28.9	28.0	29.9	31.7
85°	17.6	17.4	16.9	16.7	16.2	15.5	14.8	14.6	14.3	16.0	17.6
87.5°	1.9	1.6	1.2	0.9	0.5	0.2	0.0	0.0	0.0	0.9	2.1
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: P596906
 CATALOG NUMBER: MSA-SA1D-835-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P596906

CATALOG NUMBER: MSA-SA1D-835-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8
2.5°	521.2	517.4	513.9	510.3	506.8	503.3	509.9	516.5	523.0	529.6	535.5
5°	550.3	549.1	546.1	543.3	540.2	537.1	538.8	540.7	542.3	544.0	547.5
7.5°	464.5	463.1	469.7	476.0	482.6	488.9	490.6	492.0	493.7	495.1	494.1
10°	421.0	433.0	436.1	438.9	441.9	444.8	449.5	454.2	458.6	463.3	465.9
12.5°	385.8	392.3	403.1	414.2	425.0	435.8	442.9	449.9	457.0	464.0	478.6
15°	342.5	347.9	356.1	364.4	372.6	380.8	390.9	401.3	411.4	421.5	437.5
17.5°	275.0	277.4	283.5	289.6	295.5	301.6	315.2	328.6	342.3	355.7	374.0
20°	230.8	228.3	228.3	228.5	228.5	228.5	242.1	255.5	269.2	282.6	306.8
22.5°	216.5	215.8	213.2	210.4	207.8	205.0	212.0	219.3	226.4	233.4	253.2
25°	211.6	209.0	205.7	202.4	199.1	195.8	200.3	204.7	209.2	213.7	229.2
27.5°	213.9	211.8	213.4	214.9	216.5	217.9	219.3	220.7	222.1	223.6	229.0
30°	231.5	230.8	233.4	235.8	238.4	240.7	237.4	234.4	231.1	227.8	229.7
32.5°	194.2	192.1	191.1	190.2	189.2	188.3	188.1	187.8	187.4	187.1	191.3
35°	175.1	173.2	171.8	170.4	168.8	167.4	168.1	168.5	169.3	169.7	174.4
37.5°	174.4	172.5	170.9	169.3	167.4	165.7	166.4	167.4	168.1	168.8	172.3
40°	173.2	170.9	170.0	169.0	168.1	167.1	167.6	168.1	168.3	168.8	171.4
42.5°	172.5	170.7	170.2	169.7	169.3	168.8	169.3	169.7	170.0	170.4	173.5
45°	170.9	170.0	170.4	170.9	171.4	171.8	171.8	171.8	171.8	171.8	175.1
47.5°	167.1	166.7	168.1	169.5	170.9	172.3	174.7	177.0	179.1	181.5	182.2
50°	162.4	162.4	164.8	167.1	169.3	171.6	177.2	182.7	188.3	193.7	190.2
52.5°	156.6	156.8	160.3	163.6	167.1	170.4	175.6	180.8	185.7	190.9	185.7
55°	148.1	148.8	153.3	157.5	162.0	166.2	170.2	174.2	178.2	182.2	176.8
57.5°	140.6	141.5	146.2	150.7	155.4	159.8	162.2	164.8	167.1	169.5	166.0
60°	133.5	134.9	141.0	147.2	153.0	159.1	157.3	155.4	153.3	151.4	151.2
62.5°	126.2	127.9	133.5	139.2	144.6	150.2	147.4	144.6	141.5	138.7	139.9
65°	117.1	118.7	121.3	123.9	126.2	128.8	128.6	128.6	128.3	128.1	130.5
67.5°	106.7	107.9	109.5	111.0	112.6	114.0	114.9	116.1	117.1	118.0	120.8
70°	95.7	96.8	98.5	99.9	101.6	103.0	104.1	105.3	106.3	107.4	110.2
72.5°	84.4	85.6	87.2	88.9	90.3	91.9	92.9	93.8	94.5	95.4	97.8
75°	72.4	73.8	75.5	76.9	78.5	79.9	80.6	81.3	82.0	82.7	84.9
77.5°	60.2	61.8	63.5	65.1	66.8	68.4	68.6	68.9	69.1	69.3	71.2
80°	47.2	49.4	51.0	52.7	54.3	55.9	55.9	55.9	55.9	55.9	56.9
82.5°	33.6	35.5	37.4	39.0	40.9	42.5	42.5	42.3	42.3	42.1	42.1
85°	19.3	20.9	22.1	23.5	24.7	25.9	25.9	25.9	25.6	25.6	25.2
87.5°	3.1	4.0	4.5	5.2	5.6	6.1	5.9	5.9	5.6	5.4	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596906
 CATALOG NUMBER: MSA-SA1D-835-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P596906
 CATALOG NUMBER: MSA-SA1D-835-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8
2.5°	541.4	547.2	553.1	552.2	551.2	550.3	549.4	552.9	556.2	559.7	563.0
5°	550.8	554.3	557.6	560.2	562.8	565.3	567.9	579.9	591.7	603.7	615.4
7.5°	493.2	492.0	491.1	502.1	513.4	524.4	535.5	550.8	566.1	581.3	596.6
10°	468.5	471.1	473.7	478.1	482.8	487.3	491.8	506.8	521.9	536.9	551.9
12.5°	492.9	507.5	521.9	525.4	529.1	532.7	536.2	539.3	542.3	545.1	548.2
15°	453.5	469.4	485.4	494.6	503.8	512.7	521.9	544.9	567.7	590.7	613.5
17.5°	392.1	410.4	428.5	451.1	473.7	496.2	518.8	540.0	561.1	582.0	603.2
20°	331.0	355.0	379.2	403.9	428.3	453.0	477.4	498.1	518.8	539.3	559.9
22.5°	272.7	292.4	311.9	342.0	371.9	402.0	431.8	470.4	508.7	547.2	585.6
25°	244.5	260.0	275.3	306.3	337.3	368.1	399.2	449.2	499.1	549.1	599.0
27.5°	234.6	240.0	245.4	273.6	301.6	329.8	357.8	411.8	465.9	519.7	573.8
30°	231.5	233.4	235.3	257.4	279.5	301.6	323.7	377.1	430.7	484.0	537.4
32.5°	195.3	199.6	203.6	225.2	246.6	268.2	289.6	343.4	397.0	450.9	504.5
35°	179.1	183.8	188.5	209.7	230.8	251.8	272.9	329.6	386.5	443.1	499.8
37.5°	175.8	179.4	182.9	206.9	230.8	254.8	278.8	336.2	393.5	450.9	508.2
40°	174.2	176.8	179.4	202.6	226.1	249.4	272.7	332.9	392.8	453.0	512.9
42.5°	176.3	179.4	182.2	203.3	224.3	245.4	266.3	328.6	390.7	453.0	515.0
45°	178.2	181.5	184.5	204.3	224.0	243.8	263.5	330.0	396.3	462.9	529.1
47.5°	182.7	183.4	183.8	201.0	217.9	235.1	252.0	319.7	387.4	454.9	522.6
50°	186.4	182.9	179.1	197.0	214.6	232.5	250.1	314.3	378.5	442.4	506.6
52.5°	180.5	175.1	170.0	189.2	208.5	227.5	246.8	311.0	375.4	439.6	503.8
55°	171.6	166.2	160.8	180.3	199.8	219.3	238.8	302.8	366.9	430.9	494.8
57.5°	162.7	159.1	155.6	171.6	187.8	203.8	219.8	289.1	358.2	427.6	496.7
60°	150.9	150.4	150.2	162.7	175.4	187.8	200.3	268.2	335.9	403.9	471.6
62.5°	140.8	142.0	142.9	153.0	163.1	173.0	183.1	248.7	314.5	380.1	445.7
65°	133.1	135.4	137.8	149.3	160.8	172.1	183.6	238.6	293.6	348.6	403.6
67.5°	123.6	126.5	129.3	144.3	159.4	174.4	189.5	234.8	280.2	325.6	370.9
70°	112.8	115.7	118.2	137.5	156.6	175.8	194.9	235.1	275.5	315.7	355.9
72.5°	100.1	102.5	104.8	125.5	146.2	166.9	187.6	221.7	255.8	289.6	323.7
75°	87.2	89.3	91.4	109.3	127.2	145.0	162.9	189.2	215.3	241.7	267.7
77.5°	72.9	74.8	76.4	88.4	100.4	112.4	124.4	144.6	164.6	184.8	204.7
80°	57.8	58.8	59.7	66.8	73.6	80.6	87.4	100.8	114.2	127.4	140.8
82.5°	42.3	42.3	42.3	46.8	51.5	55.9	60.4	67.2	73.8	80.6	87.2
85°	24.7	24.0	23.5	26.6	29.6	32.7	35.7	38.6	41.4	44.2	47.0
87.5°	4.0	3.1	2.4	4.2	6.1	8.0	9.9	10.8	12.0	12.9	13.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596906
 CATALOG NUMBER: MSA-SA1D-835-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P596906

CATALOG NUMBER: MSA-SA1D-835-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8
2.5°	555.0	547.2	539.3	531.3	543.0	554.8	566.5	578.3	609.5	628.1	629.3
5°	625.3	635.2	645.0	654.9	664.8	674.7	684.3	694.2	744.9	776.2	782.1
7.5°	612.8	629.3	645.5	661.7	689.7	717.7	745.6	773.6	816.6	847.7	868.1
10°	572.2	592.4	612.6	632.8	666.0	699.3	732.5	765.6	811.2	852.1	871.6
12.5°	580.4	612.6	644.6	676.8	705.4	734.4	763.0	791.7	823.2	838.7	874.2
15°	635.9	658.2	680.5	702.9	746.1	789.1	832.4	875.4	893.3	928.8	960.7
17.5°	644.3	685.2	726.4	767.3	820.2	873.1	925.9	978.8	1012.0	1057.8	1096.4
20°	618.0	675.8	733.9	791.7	859.9	928.3	996.5	1064.6	1106.7	1145.3	1205.0
22.5°	649.5	713.4	777.1	841.1	931.6	1021.9	1112.4	1202.6	1290.5	1376.6	1417.0
25°	684.3	769.9	855.2	940.5	1053.6	1166.4	1279.5	1392.3	1505.4	1586.0	1632.6
27.5°	659.8	745.6	831.7	917.5	1057.4	1197.5	1337.3	1477.2	1598.3	1695.3	1735.3
30°	642.7	748.0	853.3	958.6	1122.7	1286.8	1450.9	1614.9	1726.8	1835.2	1894.0
32.5°	639.6	774.8	909.7	1044.9	1236.0	1426.9	1618.0	1808.9	1883.2	1979.3	2058.5
35°	648.1	796.7	945.0	1093.3	1312.4	1531.5	1750.3	1969.4	2075.0	2170.2	2239.5
37.5°	673.9	839.7	1005.2	1170.9	1434.9	1699.1	1963.1	2227.1	2404.1	2578.3	2609.3
40°	688.5	864.4	1040.0	1215.6	1522.6	1829.6	2136.6	2443.6	2647.1	2838.3	2851.2
42.5°	705.7	896.3	1086.7	1277.4	1617.8	1958.4	2298.8	2639.1	2891.1	3096.6	3102.7
45°	725.4	921.5	1117.8	1313.8	1669.2	2024.4	2379.9	2735.1	3039.7	3289.4	3228.5
47.5°	733.2	944.0	1154.7	1365.3	1744.2	2122.9	2501.9	2880.6	3154.0	3381.0	3322.7
50°	736.2	966.1	1195.8	1425.5	1818.0	2210.8	2603.4	2996.0	3274.1	3495.5	3406.2
52.5°	755.3	1006.8	1258.3	1509.9	1918.9	2327.9	2736.9	3146.0	3419.6	3632.3	3521.4
55°	780.9	1067.0	1352.8	1638.9	2062.3	2485.4	2908.8	3331.9	3606.5	3804.4	3666.9
57.5°	804.6	1112.8	1420.8	1728.7	2167.4	2606.2	3044.9	3483.5	3761.6	3957.4	3824.1
60°	793.1	1114.7	1436.3	1757.9	2189.0	2619.9	3051.0	3481.9	3797.6	4032.4	3964.2
62.5°	758.3	1071.0	1383.4	1696.0	2105.3	2514.3	2923.6	3332.6	3702.1	4003.3	4000.2
65°	691.3	979.1	1266.6	1554.3	1933.0	2311.9	2690.6	3069.3	3504.9	3870.7	3894.4
67.5°	609.8	848.6	1087.4	1326.3	1682.9	2039.5	2396.1	2752.7	3218.4	3622.0	3642.4
70°	530.8	705.9	880.8	1055.7	1368.8	1681.9	1994.8	2307.9	2778.3	3186.6	3205.4
72.5°	438.2	552.7	666.9	781.4	1035.0	1288.7	1542.1	1795.7	2208.7	2522.8	2628.8
75°	335.7	403.6	471.6	539.5	744.7	949.9	1154.9	1360.1	1634.7	1866.5	1985.9
77.5°	240.0	275.3	310.5	345.8	520.2	694.6	868.8	1043.2	1187.6	1319.0	1399.6
80°	157.5	174.0	190.6	207.1	352.1	497.2	642.0	787.0	874.9	945.5	986.1
82.5°	95.4	103.7	111.7	119.9	237.4	355.0	472.3	589.8	640.1	673.7	709.9
85°	51.5	55.9	60.4	64.9	140.3	215.6	291.0	366.2	371.2	375.2	429.0
87.5°	15.0	16.5	17.6	18.8	31.0	43.5	55.7	67.9	42.3	26.3	54.1
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: P596906
 CATALOG NUMBER: MSA-SA1D-835-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P596906

CATALOG NUMBER: MSA-SA1D-835-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8
2.5°	622.5	619.4	616.4	613.1	610.0	597.1	584.4	571.5	558.5	571.0	583.2
5°	775.3	784.7	793.8	803.2	812.6	813.3	813.8	814.5	815.0	817.3	819.7
7.5°	885.3	902.0	918.4	935.1	951.8	964.7	977.7	990.8	1003.8	992.0	980.2
10°	894.7	929.9	965.2	1000.5	1035.7	1042.1	1048.2	1054.5	1060.9	1069.3	1077.6
12.5°	904.1	947.1	989.9	1032.9	1075.9	1094.7	1113.3	1132.1	1150.7	1159.8	1168.8
15°	1003.5	1028.9	1054.1	1079.4	1104.6	1117.5	1130.2	1143.2	1156.1	1163.8	1171.4
17.5°	1131.4	1140.8	1150.0	1159.4	1168.8	1177.5	1186.2	1194.9	1203.6	1205.0	1206.4
20°	1248.0	1249.9	1251.5	1253.4	1255.0	1236.7	1218.6	1200.3	1181.9	1185.2	1188.3
22.5°	1422.9	1412.5	1402.4	1392.1	1382.0	1347.4	1313.1	1278.6	1244.2	1229.4	1214.8
25°	1686.2	1659.8	1633.5	1607.2	1580.9	1525.8	1471.1	1416.1	1361.3	1329.1	1297.1
27.5°	1771.0	1713.7	1656.5	1599.2	1541.8	1500.2	1458.9	1417.2	1375.9	1324.9	1273.9
30°	1942.6	1852.1	1761.9	1671.4	1580.9	1540.7	1500.5	1460.0	1419.8	1367.6	1315.7
32.5°	2094.7	2000.7	1906.7	1812.4	1718.4	1642.2	1566.0	1489.9	1413.7	1378.5	1343.2
35°	2270.8	2152.5	2034.3	1916.1	1797.8	1732.5	1667.4	1602.0	1536.9	1483.5	1430.4
37.5°	2527.3	2401.5	2275.7	2149.7	2024.0	1935.6	1847.4	1759.0	1670.9	1641.5	1612.4
40°	2771.7	2623.2	2474.8	2326.3	2177.9	2110.2	2042.5	1974.6	1906.9	1857.3	1807.7
42.5°	2976.5	2829.6	2682.9	2536.0	2389.3	2339.9	2290.8	2241.4	2192.3	2151.4	2110.5
45°	3046.8	2926.9	2807.2	2687.3	2567.5	2550.1	2532.9	2515.5	2498.3	2468.0	2437.7
47.5°	3159.8	3037.6	2915.6	2793.4	2671.1	2677.5	2683.8	2690.4	2696.7	2698.4	2699.8
50°	3226.4	3110.2	2994.3	2878.2	2762.3	2793.1	2823.7	2854.5	2885.3	2955.1	3024.7
52.5°	3323.4	3209.4	3095.7	2981.6	2867.6	2919.8	2971.8	3024.0	3075.9	3173.7	3271.5
55°	3445.2	3336.1	3227.3	3118.2	3009.4	3060.2	3110.7	3161.5	3212.0	3320.9	3429.7
57.5°	3606.7	3489.9	3373.3	3256.4	3139.8	3186.6	3233.2	3280.0	3326.5	3429.9	3533.4
60°	3790.5	3663.6	3536.6	3409.5	3282.5	3295.5	3308.2	3321.1	3333.8	3445.9	3557.8
62.5°	3880.8	3763.3	3646.0	3528.4	3410.9	3374.9	3339.0	3302.8	3266.8	3367.2	3467.3
65°	3802.5	3721.7	3641.0	3560.2	3479.3	3415.8	3352.6	3289.1	3225.7	3288.4	3350.9
67.5°	3553.3	3507.5	3461.9	3416.1	3370.2	3263.7	3157.2	3050.5	2944.0	2948.3	2952.3
70°	3149.5	3137.3	3125.3	3113.1	3100.8	2940.7	2780.9	2620.8	2460.7	2436.3	2411.8
72.5°	2637.7	2645.7	2653.5	2661.5	2669.5	2497.4	2325.3	2153.3	1981.2	1940.5	1899.8
75°	2043.0	2087.2	2131.4	2175.8	2220.0	2055.5	1890.9	1726.1	1561.6	1511.5	1461.4
77.5°	1443.6	1526.1	1608.4	1690.9	1773.4	1624.6	1476.0	1327.2	1178.4	1146.0	1113.5
80°	1006.6	1047.0	1087.4	1127.9	1168.3	1093.6	1018.8	944.0	869.3	878.2	886.9
82.5°	733.2	742.6	751.8	761.2	770.6	740.0	709.4	678.7	648.1	671.4	694.6
85°	469.7	503.3	536.7	570.3	603.7	569.8	536.0	501.9	468.0	483.5	499.1
87.5°	105.1	166.2	227.3	288.7	349.8	316.9	284.2	251.3	218.4	203.6	189.0
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: P596906
 CATALOG NUMBER: MSA-SA1D-835-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P596906

CATALOG NUMBER: MSA-SA1D-835-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8
2.5°	595.7	608.1	604.4	600.8	597.1	593.3	600.1	607.0	614.0	620.8	618.5
5°	822.3	824.6	802.3	780.2	757.9	735.5	749.4	763.3	777.1	791.0	786.1
7.5°	968.5	956.7	943.8	930.9	917.7	904.8	902.0	899.1	896.1	893.3	889.5
10°	1086.0	1094.3	1085.8	1077.6	1069.1	1060.6	1040.9	1021.2	1001.2	981.4	973.2
12.5°	1177.9	1187.1	1189.2	1191.1	1193.2	1195.3	1173.2	1151.4	1129.3	1107.2	1087.2
15°	1179.1	1186.9	1193.7	1200.3	1207.1	1213.7	1200.0	1186.6	1173.0	1159.4	1153.0
17.5°	1208.0	1209.4	1203.8	1198.4	1192.8	1187.3	1181.9	1176.8	1171.4	1166.2	1156.1
20°	1191.6	1194.9	1194.2	1193.5	1192.5	1191.8	1192.3	1192.5	1193.0	1193.2	1187.6
22.5°	1200.0	1185.2	1188.3	1191.1	1194.2	1197.0	1205.4	1213.9	1222.6	1231.1	1253.6
25°	1264.9	1232.7	1227.8	1223.1	1218.1	1213.4	1235.5	1257.4	1279.5	1301.6	1338.3
27.5°	1222.6	1171.6	1160.3	1149.0	1137.7	1126.5	1160.1	1193.5	1227.1	1260.7	1298.1
30°	1263.5	1211.6	1186.6	1161.7	1136.6	1111.7	1143.9	1175.8	1208.0	1240.0	1281.4
32.5°	1307.9	1272.7	1256.0	1239.5	1222.8	1206.4	1209.0	1211.6	1214.1	1216.7	1275.0
35°	1377.0	1323.7	1307.2	1290.8	1274.3	1257.9	1285.4	1312.6	1340.1	1367.4	1416.8
37.5°	1583.0	1553.6	1524.0	1494.3	1464.5	1434.9	1451.1	1467.3	1483.5	1499.8	1546.3
40°	1758.1	1708.5	1703.6	1698.9	1693.9	1689.0	1690.4	1691.6	1693.0	1694.4	1734.1
42.5°	2069.3	2028.4	2003.3	1978.1	1953.0	1927.8	1926.2	1924.5	1922.6	1921.0	1950.9
45°	2407.1	2376.8	2358.0	2339.2	2320.2	2301.3	2271.5	2241.6	2211.6	2181.7	2207.8
47.5°	2701.4	2703.1	2737.2	2771.0	2805.1	2839.2	2788.2	2737.2	2686.2	2635.2	2601.5
50°	3094.5	3164.1	3172.3	3180.3	3188.5	3196.7	3110.2	3024.0	2937.5	2850.9	2815.7
52.5°	3369.5	3467.3	3454.6	3442.2	3429.5	3416.8	3366.7	3316.9	3266.8	3216.7	3139.8
55°	3538.8	3647.6	3638.0	3628.6	3618.9	3609.3	3572.9	3536.4	3500.0	3463.5	3379.2
57.5°	3636.8	3740.2	3743.0	3745.9	3748.7	3751.5	3741.9	3732.2	3722.6	3713.0	3603.2
60°	3669.9	3782.1	3783.2	3784.2	3785.4	3786.3	3771.0	3755.7	3740.2	3724.9	3653.2
62.5°	3567.7	3667.8	3672.3	3676.5	3681.0	3685.5	3674.9	3664.3	3653.7	3643.1	3590.0
65°	3413.7	3476.5	3477.6	3478.6	3479.8	3480.9	3454.1	3427.6	3400.8	3374.0	3361.3
67.5°	2956.5	2960.7	2985.6	3010.6	3035.5	3060.4	3062.5	3064.6	3067.0	3069.1	3050.8
70°	2387.4	2362.9	2390.0	2417.0	2444.0	2471.1	2482.6	2494.1	2505.9	2517.4	2525.8
72.5°	1858.9	1818.3	1838.3	1858.2	1878.5	1898.4	1881.3	1864.1	1847.0	1829.8	1884.1
75°	1411.4	1361.3	1358.7	1356.4	1353.8	1351.4	1342.7	1334.0	1325.1	1316.4	1367.2
77.5°	1080.9	1048.4	1050.1	1051.5	1053.1	1054.5	1045.6	1036.9	1028.0	1019.0	1038.5
80°	895.9	904.6	904.8	905.0	905.3	905.5	897.0	888.8	880.3	871.9	857.8
82.5°	718.1	741.4	741.2	741.2	740.9	740.7	740.2	739.8	739.1	738.6	715.6
85°	514.6	530.1	514.1	498.1	482.1	466.1	477.9	489.7	501.6	513.4	503.8
87.5°	174.2	159.6	140.6	121.8	102.7	83.7	104.1	124.6	145.3	165.7	177.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596906
 CATALOG NUMBER: MSA-SA1D-835-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P596906

CATALOG NUMBER: MSA-SA1D-835-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8	510.8
2.5°	616.4	614.0	611.9	597.1	582.0	567.2	552.2	579.5	607.0	634.2	661.5
5°	781.4	776.4	771.7	770.6	769.4	768.0	766.8	780.7	794.5	808.2	822.0
7.5°	885.7	882.0	878.2	868.4	858.7	848.8	839.0	847.4	855.7	864.1	872.4
10°	965.2	957.0	948.7	927.4	906.2	884.8	863.4	857.1	850.7	844.4	838.0
12.5°	1067.2	1047.0	1027.0	1002.8	978.4	954.2	929.7	926.4	923.1	920.1	916.8
15°	1146.9	1140.6	1134.2	1114.9	1095.7	1076.4	1057.1	1031.3	1005.2	979.3	953.4
17.5°	1146.2	1136.1	1126.2	1152.1	1177.7	1203.6	1229.2	1201.7	1173.9	1146.4	1118.9
20°	1181.9	1176.1	1170.4	1218.1	1265.6	1313.3	1360.8	1345.8	1330.5	1315.5	1300.2
22.5°	1276.0	1298.5	1320.9	1361.8	1402.4	1443.3	1484.0	1501.2	1518.3	1535.5	1552.6
25°	1374.7	1411.4	1448.0	1508.9	1569.6	1630.5	1691.3	1703.6	1715.8	1728.0	1740.2
27.5°	1335.2	1372.6	1410.0	1456.0	1501.9	1547.9	1593.8	1647.4	1701.2	1754.8	1808.4
30°	1322.5	1363.9	1405.0	1468.3	1531.3	1594.5	1657.7	1731.5	1805.3	1878.9	1952.7
32.5°	1333.1	1391.4	1449.7	1535.3	1620.6	1706.1	1791.7	1869.3	1947.1	2024.7	2102.2
35°	1465.9	1515.3	1564.4	1660.1	1755.7	1851.4	1947.1	2038.1	2129.0	2219.8	2310.8
37.5°	1592.6	1639.2	1685.7	1783.5	1881.0	1978.8	2076.6	2220.2	2364.1	2507.7	2651.4
40°	1773.6	1813.3	1852.8	1936.5	2020.2	2103.9	2187.6	2360.8	2534.1	2707.3	2880.6
42.5°	1980.5	2010.3	2040.0	2126.7	2213.4	2300.2	2386.9	2575.4	2764.2	2952.7	3141.3
45°	2233.6	2259.7	2285.8	2345.5	2405.3	2465.2	2524.9	2719.3	2913.7	3108.1	3302.5
47.5°	2567.9	2534.3	2500.7	2530.1	2559.5	2588.8	2618.2	2810.5	3002.8	3194.9	3387.1
50°	2780.4	2745.2	2709.9	2712.5	2714.8	2717.4	2720.0	2899.4	3078.7	3257.9	3437.2
52.5°	3063.0	2985.9	2909.0	2908.3	2907.6	2906.7	2906.0	3062.3	3218.8	3375.2	3531.5
55°	3294.8	3210.4	3126.0	3109.5	3093.1	3076.4	3059.9	3214.6	3369.0	3523.7	3678.2
57.5°	3493.4	3383.4	3273.6	3247.7	3221.9	3196.0	3170.2	3336.8	3503.7	3670.4	3837.1
60°	3581.8	3510.1	3438.6	3406.9	3375.2	3343.4	3311.7	3453.7	3595.7	3737.4	3879.4
62.5°	3537.1	3484.0	3431.1	3438.4	3445.7	3453.0	3460.3	3541.4	3622.7	3703.8	3784.9
65°	3348.8	3336.1	3323.7	3382.4	3441.2	3500.0	3558.7	3559.9	3561.1	3562.3	3563.4
67.5°	3032.4	3014.1	2995.8	3118.0	3240.0	3362.2	3484.5	3426.4	3368.3	3310.5	3252.4
70°	2534.1	2542.5	2550.8	2717.2	2883.4	3049.8	3216.2	3132.1	3047.7	2963.5	2879.2
72.5°	1938.4	1992.9	2047.2	2219.8	2392.3	2564.9	2737.4	2641.3	2544.9	2448.7	2352.4
75°	1418.0	1468.7	1519.5	1689.9	1860.4	2031.0	2201.4	2087.2	1973.0	1858.9	1744.7
77.5°	1058.1	1077.8	1097.3	1239.1	1380.6	1522.3	1663.8	1549.1	1434.4	1319.9	1205.2
80°	843.9	829.8	815.9	894.4	973.0	1051.5	1130.0	1048.7	967.1	885.7	804.4
82.5°	692.8	669.7	646.9	676.1	705.2	734.6	763.7	698.6	633.5	568.4	503.3
85°	494.1	484.5	474.8	483.3	491.5	500.0	508.5	445.0	381.5	318.3	254.8
87.5°	189.0	200.8	212.5	225.9	239.1	252.5	265.6	208.0	150.4	93.1	35.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	510.8	510.8
2.5°	672.8	684.1
5°	821.8	821.6
7.5°	868.6	864.6
10°	827.7	817.3
12.5°	886.2	855.4
15°	922.9	892.1
17.5°	1072.6	1026.1
20°	1244.9	1189.5
22.5°	1468.3	1383.9
25°	1639.4	1538.3
27.5°	1748.5	1688.3
30°	1883.9	1815.0
32.5°	2051.5	2000.5
35°	2264.2	2217.4
37.5°	2636.8	2622.0
40°	2862.9	2845.1
42.5°	3142.0	3142.4
45°	3313.1	3323.7
47.5°	3413.9	3440.5
50°	3494.3	3551.2
52.5°	3609.3	3687.1
55°	3781.6	3884.8
57.5°	3925.0	4012.9
60°	3925.0	3970.4
62.5°	3783.7	3782.3
65°	3541.6	3519.5
67.5°	3224.7	3197.0
70°	2835.9	2792.4
72.5°	2298.5	2244.5
75°	1670.7	1596.4
77.5°	1170.0	1134.5
80°	821.6	838.7
82.5°	527.7	552.2
85°	251.1	247.3
87.5°	29.6	23.7
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: P596906
CATALOG NUMBER: MSA-SA1D-835-U-SLR

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)