

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: P596905

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P596905
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-SA1D-835-U-SLR-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) 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: 4124 lumens
Efficiency: N/A
Efficacy: 61.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

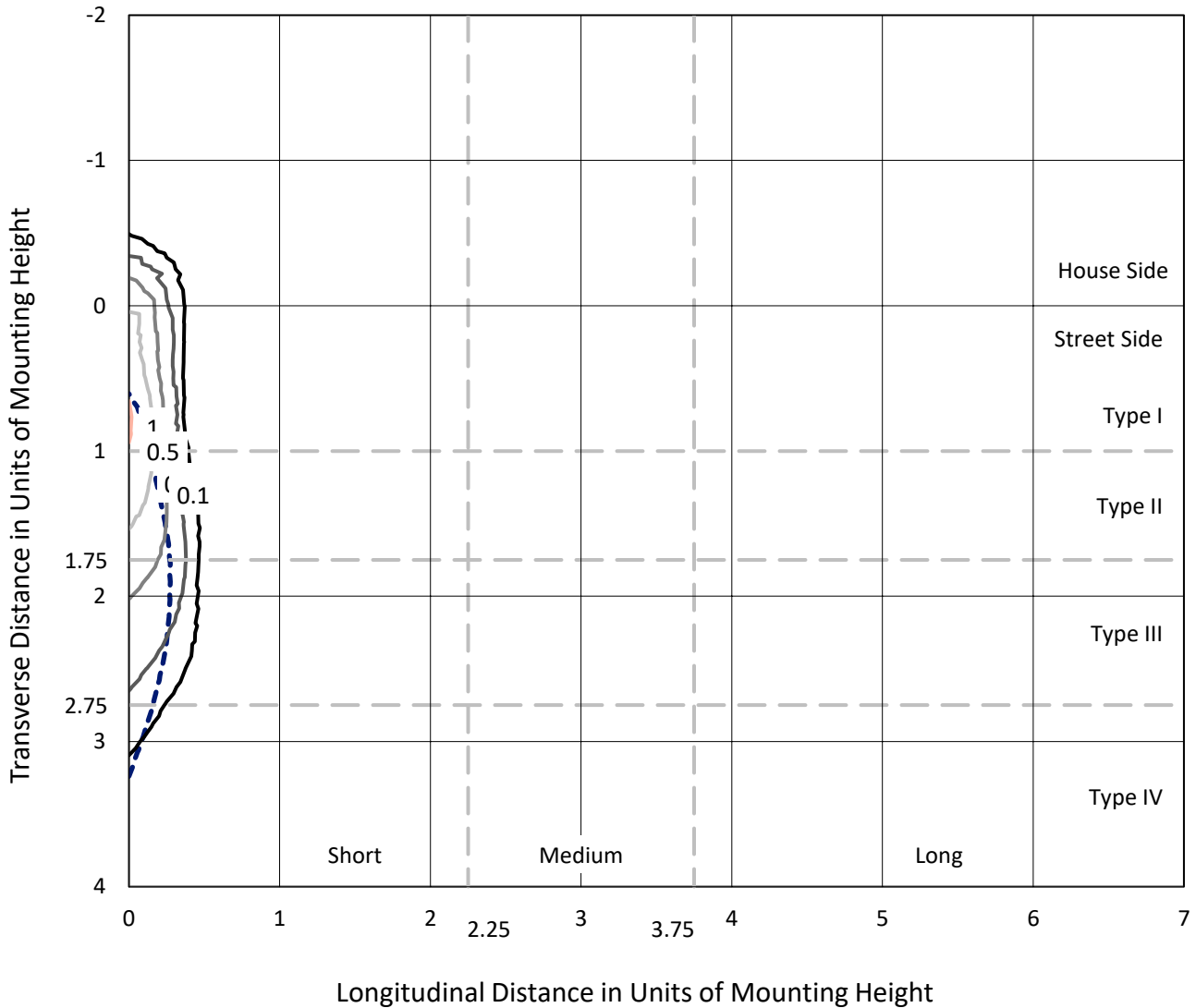
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

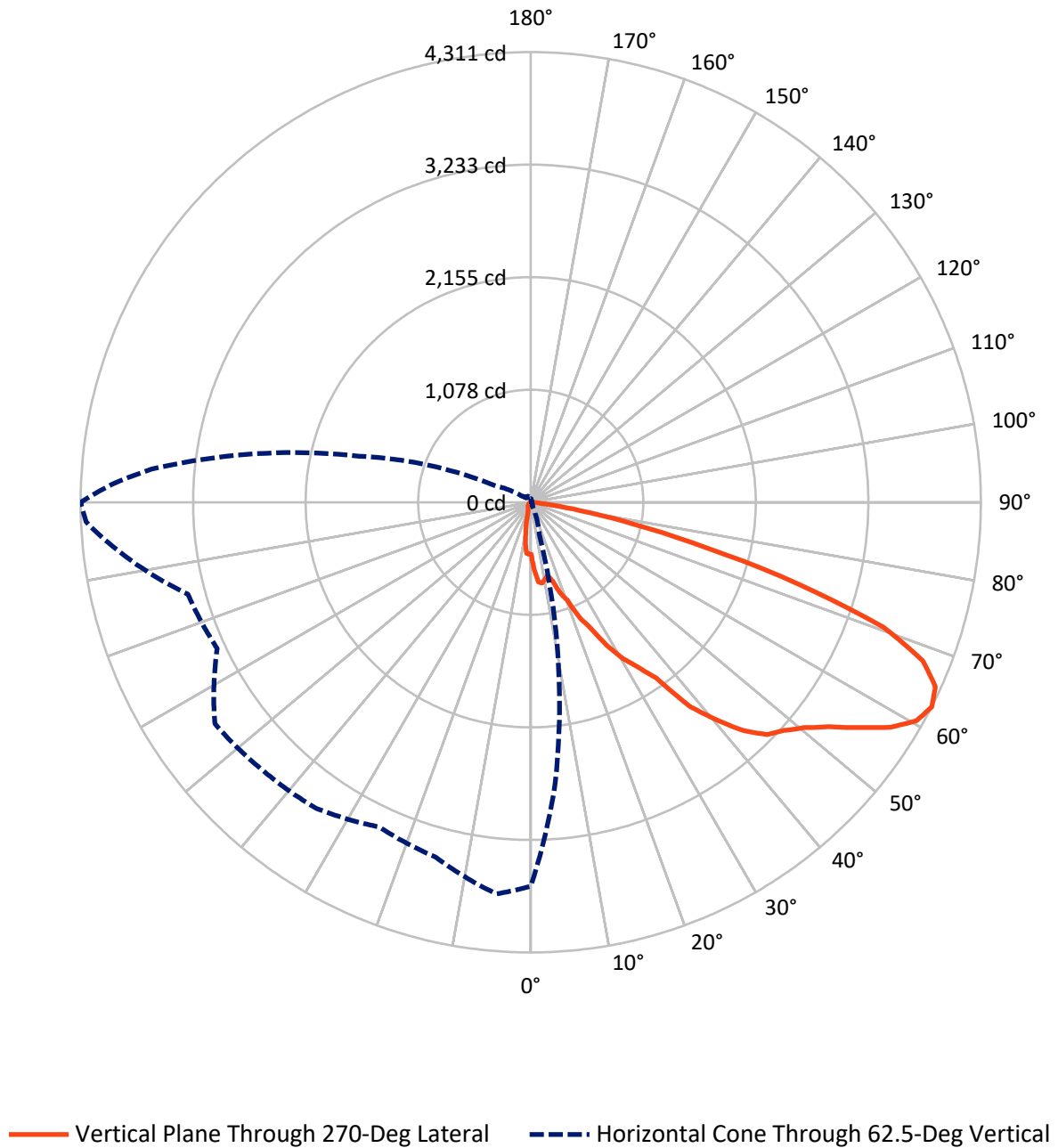
× Max cd
 - - - 1/2 Max cd



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	688.7	0.0	688.7
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	3435.4	0.0	3435.4
	% Fixture	83.3	0.0	83.3
Total	Lumens	4124.0	0.0	4124.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.5	1.3
10°-20°	145.0	3.5
20°-30°	234.4	5.7
30°-40°	392.6	9.5
40°-50°	641.9	15.6
50°-60°	950.2	23.0
60°-70°	1090.8	26.5
70°-80°	539.4	13.1
80°-90°	74.1	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°	4124.0	100.0
0°-180°	4124.0	100.0

Coefficient of Utilization

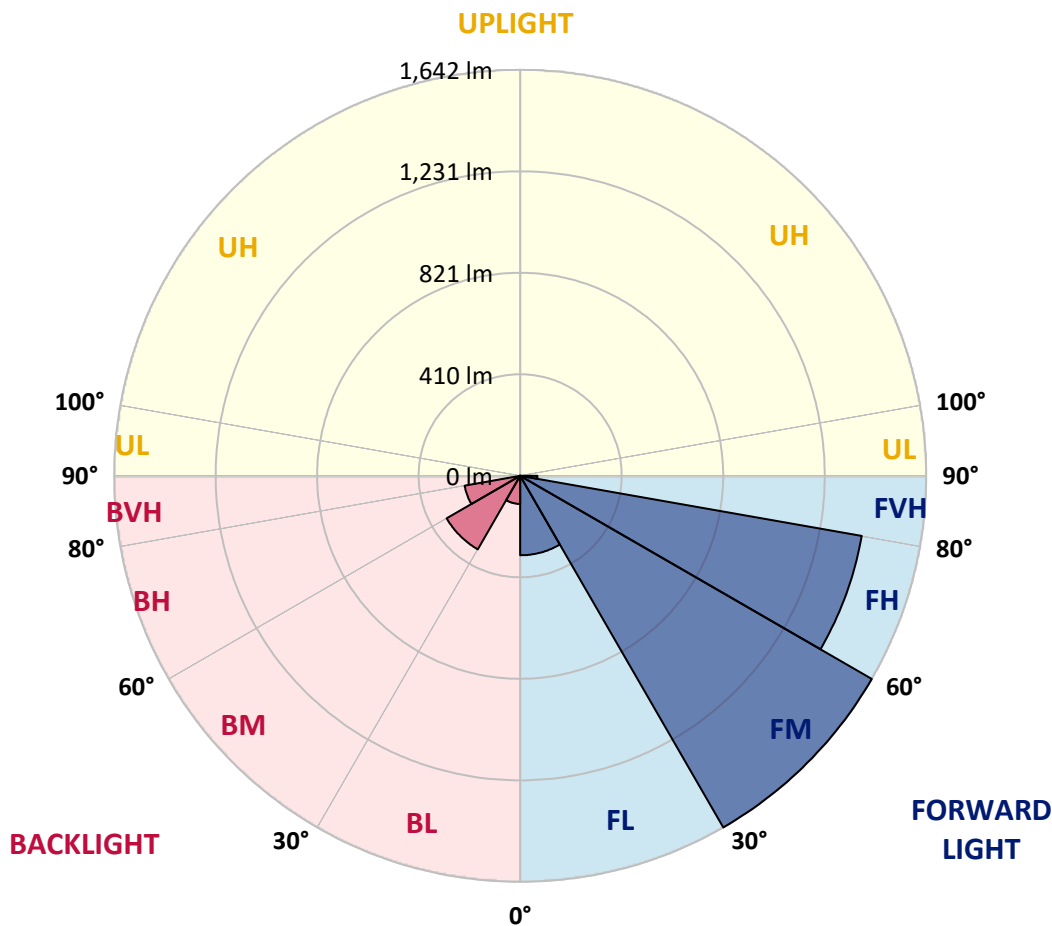


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	321.3	7.8			
FM (30°-60°)	1641.6	39.8			
FH (60°-80°)	1402.4	34.0			G1/1800
FVH (80°-90°)	70.1	1.7			G1/100
BL (0°-30°)	113.7	2.8	B1/500		
BM (30°-60°)	343.2	8.3	B1/1000		
BH (60°-80°)	227.8	5.5	B1/500		G1/500
BVH (80°-90°)	3.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 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°	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0
2.5°	658.9	667.2	675.2	659.9	644.6	629.3	614.0	600.4	586.8	572.9	559.3
5°	847.9	832.9	817.8	797.2	776.5	755.8	735.1	725.5	715.8	706.2	696.5
7.5°	913.8	887.0	859.9	841.6	823.5	805.2	786.8	757.9	728.8	699.8	670.7
10°	862.0	833.6	804.9	788.9	772.9	757.0	741.0	705.0	668.8	632.8	596.6
12.5°	885.8	855.0	824.2	791.3	758.4	725.5	692.5	665.0	637.3	609.8	582.1
15°	902.2	867.0	831.5	793.9	756.3	718.6	681.0	648.6	616.4	583.9	551.5
17.5°	998.9	948.3	897.8	839.9	782.1	724.3	666.5	628.8	591.5	553.9	516.2
20°	1123.0	1051.3	979.3	901.1	822.8	744.5	666.2	619.4	572.7	525.9	479.1
22.5°	1267.3	1177.8	1088.0	991.3	895.0	798.3	701.7	634.5	567.3	500.0	432.8
25°	1412.6	1331.7	1250.9	1120.9	990.9	860.6	730.6	645.3	559.7	474.4	388.8
27.5°	1675.0	1530.4	1385.8	1220.3	1055.0	889.5	724.0	626.3	528.5	430.4	332.6
30°	1846.6	1735.4	1623.9	1405.3	1186.9	968.3	749.7	625.8	501.9	377.8	253.9
32.5°	2051.8	1889.1	1726.2	1489.0	1251.8	1014.6	777.4	631.9	486.1	340.6	194.9
35°	2282.4	2105.4	1928.4	1627.9	1327.5	1026.8	726.4	585.4	444.3	303.3	162.2
37.5°	2689.8	2393.6	2097.4	1747.1	1396.6	1046.3	695.8	555.0	414.0	273.2	132.1
40°	2921.1	2638.3	2355.5	1917.8	1480.1	1042.3	604.6	479.6	354.7	229.7	104.6
42.5°	3222.0	2863.3	2504.3	2015.1	1525.9	1036.7	547.5	431.8	316.2	200.3	84.6
45°	3400.4	2994.0	2587.5	2057.4	1527.3	997.2	467.1	367.0	266.8	166.7	66.5
47.5°	3513.1	3105.4	2697.8	2128.7	1559.8	990.6	421.5	329.3	237.2	145.0	52.9
50°	3570.2	3161.4	2752.3	2167.4	1582.6	997.4	412.6	320.9	229.0	137.3	45.4
52.5°	3629.7	3235.4	2841.0	2234.7	1628.4	1022.1	415.9	322.3	229.0	135.4	41.8
55°	3749.8	3361.0	2971.9	2331.1	1690.2	1049.4	408.6	316.4	224.3	131.9	39.7
57.5°	3897.4	3481.8	3065.9	2401.6	1737.2	1072.9	408.6	315.9	223.3	130.5	37.8
60°	3869.4	3418.3	2967.0	2322.4	1677.8	1032.9	388.4	300.2	212.3	124.1	36.0
62.5°	3677.4	3187.7	2697.8	2102.1	1506.2	910.5	314.5	244.2	174.0	103.4	33.1
65°	3451.7	2931.9	2411.9	1863.7	1315.3	767.1	218.6	171.6	124.4	77.3	30.1
67.5°	3179.9	2625.6	2071.3	1583.7	1096.4	608.9	121.3	97.8	74.3	50.5	27.0
70°	2708.4	2136.2	1563.8	1189.0	814.6	439.8	65.1	55.0	44.9	34.8	24.7
72.5°	2033.2	1509.0	984.8	748.0	511.5	274.8	38.1	34.3	30.3	26.6	22.6
75°	1383.5	990.6	597.8	455.1	312.7	170.0	27.3	25.4	23.3	21.4	19.3
77.5°	940.6	680.3	420.1	320.7	221.2	121.8	22.3	21.2	20.0	18.6	17.4
80°	587.2	402.0	216.7	166.9	116.8	67.0	16.9	16.2	15.5	14.6	13.9
82.5°	410.7	245.7	80.6	63.0	45.4	27.5	9.9	10.1	10.3	10.3	10.6
85°	172.3	93.1	13.9	11.8	9.6	7.5	5.4	5.9	6.6	7.1	7.5
87.5°	3.1	1.6	0.0	0.5	1.2	1.6	2.1	2.8	3.3	4.0	4.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0
2.5°	562.8	566.3	569.6	573.1	570.3	567.7	564.9	562.1	557.8	553.9	549.6
5°	684.8	673.0	661.3	649.5	631.7	613.8	595.7	577.8	575.7	573.6	571.2
7.5°	643.2	615.7	587.9	560.4	534.6	508.7	482.9	457.0	449.0	441.2	433.3
10°	575.5	554.3	532.9	511.8	493.2	474.4	455.8	437.0	417.5	398.0	378.2
12.5°	560.0	537.9	515.5	493.4	476.5	459.6	442.7	425.7	403.9	382.0	360.1
15°	527.5	503.5	479.6	455.6	433.0	410.5	387.6	365.1	338.8	312.4	286.1
17.5°	487.8	459.6	431.1	402.7	373.1	343.5	313.8	284.2	253.9	223.8	193.5
20°	440.5	402.0	363.2	324.6	288.0	251.3	214.4	177.7	158.7	139.9	120.8
22.5°	382.9	332.9	283.0	233.0	202.9	172.5	142.5	112.1	103.9	95.7	87.5
25°	332.2	275.5	218.9	162.2	143.2	124.1	105.1	86.0	82.3	78.3	74.5
27.5°	279.3	226.1	172.8	119.4	108.6	97.6	86.7	75.7	73.1	70.8	68.2
30°	214.2	174.4	134.5	94.7	87.7	80.6	73.3	66.3	65.1	63.7	62.5
32.5°	166.0	136.8	107.9	78.8	74.8	70.8	66.8	62.8	60.9	59.0	56.9
35°	138.7	115.4	91.9	68.4	65.6	62.5	59.7	56.7	54.8	52.7	50.8
37.5°	115.0	98.0	80.9	63.7	60.7	57.6	54.3	51.2	49.8	48.4	47.0
40°	94.7	84.9	75.0	65.1	60.7	56.2	51.7	47.3	46.1	44.9	43.7
42.5°	78.3	71.9	65.4	59.0	55.7	52.7	49.4	46.1	44.4	42.5	40.9
45°	63.2	59.7	56.4	52.9	53.1	53.4	53.4	53.6	49.4	44.9	40.7
47.5°	51.2	49.6	47.7	46.1	48.0	49.8	51.5	53.4	48.9	44.4	39.7
50°	44.0	42.8	41.4	40.0	41.8	44.0	45.8	47.7	45.8	44.2	42.3
52.5°	40.2	38.6	36.9	35.3	36.0	36.9	37.6	38.3	38.3	38.3	38.3
55°	37.8	36.2	34.3	32.4	31.7	30.8	30.1	29.2	28.0	27.0	25.9
57.5°	36.0	34.1	32.0	30.1	28.9	27.5	26.3	24.9	23.7	22.3	21.2
60°	34.1	32.2	30.1	28.2	27.0	25.9	24.4	23.3	21.9	20.7	19.3
62.5°	31.5	29.9	28.2	26.6	25.4	24.4	23.3	22.1	20.7	19.3	17.6
65°	28.7	27.5	26.1	24.7	23.5	22.3	21.2	20.0	18.6	17.4	16.0
67.5°	26.1	24.9	24.0	22.8	21.4	20.2	18.8	17.4	16.5	15.5	14.3
70°	24.0	23.0	22.3	21.4	20.0	18.8	17.4	16.0	15.3	14.3	13.6
72.5°	21.9	21.2	20.2	19.5	18.3	17.2	16.0	14.8	14.1	13.4	12.7
75°	18.8	18.3	17.9	17.4	16.2	15.0	13.6	12.5	12.2	12.0	11.8
77.5°	16.9	16.7	16.2	15.8	14.6	13.4	12.2	11.0	11.3	11.5	11.5
80°	13.9	13.9	13.6	13.6	12.7	11.8	10.6	9.6	10.1	10.8	11.3
82.5°	10.6	10.6	10.6	10.6	9.6	8.7	7.8	6.8	7.5	8.0	8.7
85°	7.3	7.1	6.8	6.6	5.9	5.4	4.7	4.0	4.9	5.6	6.6
87.5°	4.5	4.7	4.7	4.7	4.2	3.5	3.1	2.4	2.8	3.1	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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: P596905
 CATALOG NUMBER: MSA-SA1D-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0
2.5°	545.4	538.3	531.3	524.0	516.9	500.5	484.0	467.6	451.1	463.3	475.3
5°	569.1	555.5	541.6	528.0	514.1	508.0	502.1	496.0	489.9	490.8	492.0
7.5°	425.3	416.3	407.4	398.2	389.3	387.4	385.8	383.9	382.0	386.0	389.8
10°	358.7	346.3	333.6	321.1	308.4	301.6	294.8	288.0	281.2	280.5	279.5
12.5°	338.3	319.2	300.4	281.4	262.4	247.5	232.7	217.9	203.1	204.3	205.5
15°	259.8	240.7	221.9	202.9	183.8	171.8	159.6	147.6	135.4	131.9	128.4
17.5°	163.1	149.0	134.9	120.6	106.5	102.5	98.7	94.7	90.7	89.6	88.4
20°	101.8	95.7	89.6	83.2	77.1	76.2	75.2	74.3	73.3	74.1	74.8
22.5°	79.2	76.6	73.8	71.2	68.4	67.5	66.5	65.6	64.6	65.4	65.8
25°	70.5	68.6	66.8	64.9	63.0	62.1	60.9	59.9	58.8	59.2	59.9
27.5°	65.6	63.9	62.3	60.7	59.0	57.4	55.9	54.3	52.7	53.6	54.3
30°	61.1	59.2	57.6	55.7	53.8	52.2	50.5	48.7	47.0	48.0	48.9
32.5°	55.0	53.4	51.5	49.8	48.0	47.0	46.1	44.9	44.0	44.7	45.1
35°	48.7	47.3	46.1	44.7	43.3	42.3	41.6	40.7	39.7	40.0	40.4
37.5°	45.6	44.0	42.3	40.7	39.0	38.6	38.1	37.4	36.9	36.9	36.9
40°	42.5	40.9	39.3	37.4	35.7	35.0	34.3	33.6	32.9	32.9	32.9
42.5°	39.0	37.4	35.7	34.1	32.4	31.7	30.8	30.1	29.2	29.2	29.2
45°	36.2	34.6	33.1	31.5	29.9	28.7	27.5	26.1	24.9	24.7	24.4
47.5°	35.3	32.9	30.6	28.2	25.9	24.7	23.5	22.1	20.9	20.7	20.5
50°	40.4	35.7	31.0	26.3	21.6	20.7	19.7	18.8	17.9	17.4	17.2
52.5°	38.3	33.4	28.4	23.5	18.6	17.9	17.2	16.5	15.8	15.3	14.8
55°	24.7	22.6	20.7	18.6	16.5	16.0	15.5	14.8	14.3	13.9	13.4
57.5°	19.7	18.6	17.6	16.5	15.3	14.8	14.3	13.6	13.2	12.5	12.0
60°	17.9	16.9	16.0	15.0	14.1	13.6	13.2	12.7	12.2	11.5	11.0
62.5°	16.2	15.5	14.8	14.1	13.4	12.9	12.5	12.0	11.5	10.8	10.1
65°	14.6	14.1	13.6	13.2	12.7	12.2	11.8	11.0	10.6	9.9	9.2
67.5°	13.4	13.2	12.9	12.7	12.5	12.0	11.3	10.8	10.1	9.4	8.5
70°	12.7	12.7	12.7	12.5	12.5	12.0	11.3	10.8	10.1	9.2	8.5
72.5°	12.0	12.2	12.5	12.5	12.7	12.0	11.3	10.6	9.9	8.9	8.2
75°	11.5	11.8	12.0	12.0	12.2	11.8	11.3	10.6	10.1	9.2	8.2
77.5°	11.8	12.0	12.0	12.2	12.2	11.8	11.3	10.6	10.1	8.9	7.8
80°	11.8	11.5	11.3	10.8	10.6	9.6	8.7	7.5	6.6	5.2	4.0
82.5°	9.2	8.7	8.5	8.0	7.5	6.6	5.6	4.7	3.8	2.8	1.9
85°	7.3	6.8	6.6	6.1	5.6	4.9	4.0	3.3	2.4	1.9	1.2
87.5°	3.8	3.5	3.1	2.8	2.4	1.9	1.2	0.7	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: P596905
 CATALOG NUMBER: MSA-SA1D-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: P596905
 CATALOG NUMBER: MSA-SA1D-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°	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0
2.5°	487.6	499.5	497.9	496.3	504.0	511.8	506.1	500.7	495.1	489.4	477.7
5°	493.0	493.9	492.3	490.4	490.6	490.8	487.1	483.3	479.6	475.8	475.1
7.5°	393.8	397.5	402.7	407.6	407.9	407.9	405.0	402.2	399.2	396.3	397.8
10°	278.8	277.9	279.3	280.7	280.5	280.0	287.5	295.0	302.3	309.8	304.4
12.5°	206.4	207.6	201.7	195.8	197.9	199.8	201.0	202.2	203.3	204.5	207.8
15°	124.8	121.3	117.1	112.8	115.0	116.8	119.0	120.8	122.9	124.8	126.9
17.5°	87.0	85.8	83.9	81.8	82.0	82.3	82.5	82.7	82.7	83.0	83.5
20°	75.5	76.2	74.8	73.1	72.6	71.9	71.5	71.0	70.3	69.8	69.1
22.5°	66.5	67.0	67.2	67.2	66.3	65.1	64.2	63.5	62.5	61.6	61.1
25°	60.4	60.9	60.4	59.7	59.2	58.8	58.3	57.6	57.1	56.4	56.2
27.5°	55.2	55.9	55.9	55.7	55.2	54.5	53.4	52.4	51.2	50.1	50.3
30°	49.8	50.8	50.8	50.5	50.3	50.1	48.9	47.7	46.5	45.4	45.8
32.5°	45.8	46.3	46.1	45.8	45.8	45.6	44.7	44.0	43.0	42.1	42.1
35°	40.7	40.9	40.9	40.9	40.9	40.7	40.0	39.3	38.6	37.8	38.1
37.5°	36.9	36.9	37.6	38.1	37.6	37.1	36.7	36.0	35.5	34.8	34.8
40°	32.7	32.7	33.4	33.9	33.4	32.9	32.7	32.2	32.0	31.5	31.5
42.5°	28.9	28.9	29.6	30.1	30.1	29.9	29.4	28.9	28.4	28.0	28.2
45°	24.2	24.0	25.2	26.1	25.6	25.2	25.2	24.9	24.9	24.7	24.9
47.5°	20.0	19.7	20.7	21.6	21.4	20.9	20.9	20.9	20.9	20.9	21.2
50°	16.7	16.2	17.2	17.9	17.6	17.2	17.2	17.4	17.4	17.4	17.6
52.5°	14.3	13.9	14.6	15.0	14.8	14.6	14.6	14.8	14.8	14.8	15.0
55°	12.7	12.2	12.9	13.4	13.2	12.7	12.9	12.9	13.2	13.2	13.2
57.5°	11.3	10.6	11.0	11.5	11.5	11.3	11.5	11.5	11.8	11.8	11.8
60°	10.3	9.6	10.1	10.3	10.3	10.1	10.3	10.3	10.6	10.6	10.6
62.5°	9.2	8.5	8.9	9.2	9.2	8.9	9.2	9.2	9.4	9.4	9.4
65°	8.2	7.5	7.8	8.0	8.0	8.0	8.2	8.2	8.5	8.5	8.5
67.5°	7.8	6.8	7.1	7.3	7.3	7.3	7.5	7.5	7.8	7.8	8.0
70°	7.5	6.6	6.8	6.8	7.1	7.1	7.1	7.3	7.3	7.3	7.3
72.5°	7.3	6.3	6.3	6.3	6.6	6.6	6.6	6.8	6.8	6.8	6.8
75°	7.3	6.3	6.1	5.9	6.1	6.1	6.1	6.3	6.3	6.3	6.3
77.5°	6.3	5.2	4.7	4.0	4.7	5.2	5.4	5.4	5.6	5.6	5.6
80°	2.6	1.2	0.7	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6
82.5°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.7	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: P596905
 CATALOG NUMBER: MSA-SA1D-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: P596905
 CATALOG NUMBER: MSA-SA1D-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0
2.5°	465.9	454.2	442.4	448.1	453.7	459.3	465.0	464.5	463.8	463.3	462.6
5°	474.6	473.9	473.2	469.9	466.9	463.6	460.3	459.6	458.6	457.9	457.0
7.5°	399.2	400.3	401.8	398.0	394.2	390.5	386.7	377.1	367.4	357.6	347.9
10°	299.0	293.4	288.0	287.5	287.0	286.6	286.1	285.2	284.2	283.0	282.1
12.5°	211.3	214.6	217.9	216.7	215.6	214.2	213.0	214.6	216.5	218.2	219.8
15°	128.8	130.9	132.8	137.1	141.3	145.5	149.7	151.4	153.3	154.9	156.6
17.5°	83.9	84.2	84.6	89.3	93.8	98.5	103.0	106.0	109.1	111.9	115.0
20°	68.4	67.7	67.0	69.6	72.2	74.8	77.3	80.2	83.0	85.8	88.6
22.5°	60.9	60.4	59.9	60.9	61.8	62.5	63.5	65.6	67.9	70.1	72.2
25°	55.9	55.5	55.2	55.7	56.2	56.7	57.1	58.3	59.5	60.7	61.8
27.5°	50.3	50.5	50.5	51.0	51.2	51.7	52.0	52.4	53.1	53.6	54.1
30°	46.1	46.5	46.8	47.3	47.5	48.0	48.2	48.0	47.7	47.5	47.3
32.5°	42.1	41.8	41.8	42.3	42.5	43.0	43.3	43.7	44.2	44.4	44.9
35°	38.1	38.3	38.3	38.3	38.6	38.6	38.6	39.0	39.7	40.2	40.7
37.5°	34.6	34.6	34.3	35.0	35.5	36.2	36.7	37.1	37.8	38.3	38.8
40°	31.5	31.5	31.5	32.0	32.4	32.7	33.1	34.3	35.5	36.7	37.8
42.5°	28.2	28.4	28.4	28.9	29.4	29.6	30.1	31.0	31.7	32.7	33.4
45°	25.2	25.4	25.6	26.1	26.3	26.8	27.0	27.5	27.7	28.2	28.4
47.5°	21.6	21.9	22.1	22.6	22.8	23.3	23.5	23.3	23.3	23.0	22.8
50°	18.1	18.3	18.6	19.3	19.7	20.5	20.9	20.5	20.0	19.3	18.8
52.5°	15.3	15.3	15.5	16.0	16.5	16.7	17.2	16.9	16.7	16.5	16.2
55°	13.2	13.2	13.2	13.4	13.6	13.9	14.1	14.3	14.3	14.6	14.6
57.5°	11.8	11.5	11.5	11.8	12.0	12.0	12.2	12.5	12.5	12.7	12.7
60°	10.6	10.3	10.3	10.6	10.8	11.0	11.3	11.3	11.3	11.0	11.0
62.5°	9.4	9.4	9.4	9.6	9.6	9.9	9.9	9.9	10.1	10.1	10.1
65°	8.7	8.7	8.7	8.7	8.7	8.5	8.5	8.7	8.7	8.9	8.9
67.5°	8.0	8.2	8.2	8.0	7.8	7.5	7.3	7.5	7.5	7.8	7.8
70°	7.3	7.3	7.3	7.1	6.8	6.6	6.3	6.3	6.3	6.1	6.1
72.5°	6.8	6.6	6.6	6.3	5.9	5.6	5.2	4.9	4.9	4.7	4.5
75°	6.3	6.1	6.1	5.6	5.2	4.7	4.2	4.0	3.5	3.3	2.8
77.5°	5.6	5.6	5.6	4.9	4.5	3.8	3.1	2.6	2.1	1.4	0.9
80°	1.9	2.1	2.4	2.1	2.1	1.9	1.6	1.2	0.9	0.5	0.0
82.5°	0.2	0.2	0.2	0.2	0.2	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: P596905
 CATALOG NUMBER: MSA-SA1D-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: P596905
 CATALOG NUMBER: MSA-SA1D-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°	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0
2.5°	465.2	467.8	470.4	473.0	473.2	473.5	473.7	473.9	468.0	461.9	456.1
5°	461.7	466.6	471.3	476.0	473.5	470.9	468.3	465.7	465.5	465.5	465.2
7.5°	348.6	349.1	349.8	350.3	351.2	352.2	352.9	353.8	357.6	361.3	364.8
10°	279.0	276.0	272.7	269.6	267.3	264.7	262.4	259.8	261.6	263.8	265.6
12.5°	217.2	214.6	211.8	209.2	208.3	207.3	206.2	205.2	211.3	217.4	223.3
15°	156.1	155.6	154.9	154.4	157.5	160.6	163.6	166.7	171.8	176.8	182.0
17.5°	116.1	117.3	118.5	119.7	121.5	123.4	125.1	126.9	130.7	134.7	138.5
20°	90.0	91.7	93.1	94.5	94.0	93.6	92.9	92.4	95.4	98.5	101.3
22.5°	73.6	74.8	76.2	77.3	77.6	77.8	78.0	78.3	80.2	81.8	83.7
25°	63.0	64.4	65.6	66.8	67.0	67.2	67.5	67.7	70.1	72.4	74.5
27.5°	55.7	57.1	58.8	60.2	60.7	61.1	61.6	62.1	63.5	64.6	66.1
30°	49.1	51.0	52.9	54.8	55.5	56.2	56.9	57.6	59.0	60.7	62.1
32.5°	45.8	47.0	48.0	48.9	50.5	52.0	53.6	55.0	56.7	58.5	60.2
35°	42.1	43.3	44.7	45.8	47.0	48.2	49.1	50.3	51.2	52.2	52.9
37.5°	39.7	40.9	41.8	42.8	43.3	43.7	44.0	44.4	44.9	45.4	45.6
40°	37.8	37.6	37.6	37.4	37.8	38.6	39.0	39.5	40.9	42.1	43.5
42.5°	32.9	32.2	31.7	31.0	32.2	33.1	34.3	35.3	37.1	39.0	40.9
45°	28.0	27.5	26.8	26.3	28.0	29.6	31.3	32.9	35.0	36.9	39.0
47.5°	23.0	23.3	23.3	23.5	25.2	26.8	28.2	29.9	32.0	34.1	36.2
50°	19.3	19.7	20.2	20.7	22.3	23.7	25.4	26.8	29.2	31.3	33.6
52.5°	16.9	17.6	18.1	18.8	20.2	21.9	23.3	24.7	26.8	28.9	31.0
55°	15.3	16.2	16.9	17.6	18.8	20.0	21.2	22.3	24.4	26.6	28.4
57.5°	13.4	14.1	14.8	15.5	16.7	17.9	18.8	20.0	21.9	24.0	25.9
60°	11.8	12.2	12.9	13.4	14.3	15.5	16.5	17.4	19.3	21.2	22.8
62.5°	10.3	10.8	11.0	11.3	12.2	13.2	14.1	15.0	16.7	18.6	20.2
65°	9.2	9.4	9.4	9.6	10.3	11.3	12.0	12.7	14.6	16.2	18.1
67.5°	7.8	8.0	8.0	8.0	8.7	9.4	10.1	10.8	12.5	14.3	16.0
70°	6.1	6.3	6.3	6.3	7.1	8.0	8.7	9.4	10.8	12.2	13.6
72.5°	4.7	4.7	4.9	4.9	5.6	6.6	7.3	8.0	9.2	10.3	11.5
75°	3.1	3.3	3.3	3.5	4.2	5.2	5.9	6.6	7.8	8.9	9.9
77.5°	1.2	1.6	1.9	2.1	2.8	3.5	4.2	4.9	5.9	7.1	8.0
80°	0.0	0.2	0.2	0.2	0.7	0.9	1.4	1.6	2.4	3.3	4.0
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: P596905
 CATALOG NUMBER: MSA-SA1D-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: P596905
 CATALOG NUMBER: MSA-SA1D-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0
2.5°	449.9	462.9	475.8	488.7	501.7	517.6	533.6	536.0	538.3	535.5	532.9
5°	465.0	471.3	477.4	483.8	489.9	508.2	526.3	526.6	526.6	526.8	526.8
7.5°	368.6	374.0	379.4	384.6	390.0	402.0	414.0	418.4	422.7	421.7	420.8
10°	267.5	274.6	281.4	288.4	295.3	306.3	317.4	321.6	325.6	338.5	351.7
12.5°	229.4	236.3	243.1	249.7	256.5	267.8	279.0	287.3	295.3	303.3	311.2
15°	186.9	192.3	197.9	203.3	208.8	213.9	219.1	229.2	239.1	247.1	255.1
17.5°	142.2	144.6	146.7	149.0	151.2	153.5	155.9	160.1	164.1	171.1	178.0
20°	104.4	106.3	108.1	109.8	111.7	114.0	116.4	119.4	122.2	123.9	125.3
22.5°	85.3	88.2	91.0	93.6	96.4	98.0	99.7	100.6	101.6	102.3	103.0
25°	76.9	79.5	81.8	84.4	86.7	87.5	88.2	90.0	91.9	91.9	91.9
27.5°	67.2	70.8	74.5	78.0	81.6	82.5	83.2	83.9	84.4	83.5	82.3
30°	63.5	67.0	70.5	73.8	77.3	78.8	79.9	80.6	81.3	80.2	79.0
32.5°	61.8	65.1	68.2	71.5	74.5	76.4	78.0	79.9	81.6	81.8	82.3
35°	53.8	55.9	58.3	60.4	62.5	63.5	64.4	65.1	65.6	65.6	65.6
37.5°	46.1	48.9	52.0	54.8	57.6	59.7	61.8	62.1	62.1	62.5	63.2
40°	44.7	47.5	50.3	52.9	55.7	58.1	60.2	60.4	60.7	61.1	61.6
42.5°	42.8	45.8	48.9	52.0	55.0	57.4	59.5	59.5	59.2	59.9	60.4
45°	40.9	44.0	46.8	49.8	52.7	55.7	58.5	57.8	56.9	58.1	59.0
47.5°	38.3	41.6	44.9	48.0	51.2	54.1	56.7	56.2	55.5	56.7	57.8
50°	35.7	39.0	42.3	45.6	48.9	52.0	54.8	54.3	53.8	55.2	56.4
52.5°	33.1	36.4	40.0	43.3	46.5	49.1	51.5	51.2	51.0	52.4	54.1
55°	30.6	33.6	36.9	40.0	43.0	45.8	48.4	48.0	47.5	48.7	49.8
57.5°	27.7	30.8	33.6	36.7	39.5	41.8	44.0	43.3	42.5	44.0	45.4
60°	24.7	27.5	30.3	32.9	35.7	37.6	39.3	38.8	38.1	39.5	40.9
62.5°	21.9	24.4	27.0	29.4	32.0	33.4	34.8	34.3	33.9	35.3	36.9
65°	19.7	21.9	23.7	25.9	27.7	29.2	30.6	29.9	29.2	30.8	32.2
67.5°	17.6	19.3	21.2	22.8	24.4	25.6	26.8	26.3	25.6	26.8	28.0
70°	15.0	16.7	18.3	19.7	21.4	22.6	23.7	23.0	22.1	23.3	24.4
72.5°	12.7	14.1	15.5	16.7	18.1	19.0	20.0	19.3	18.6	19.5	20.5
75°	11.0	12.2	13.4	14.3	15.5	16.0	16.5	16.2	15.8	16.7	17.4
77.5°	8.9	9.9	11.0	12.0	12.9	12.9	12.9	13.2	13.2	14.1	15.3
80°	4.7	5.6	6.6	7.3	8.2	8.2	8.0	8.5	8.7	9.9	11.0
82.5°	0.0	0.7	1.4	2.1	2.8	2.6	2.1	2.4	2.4	2.8	3.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5
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: P596905
 CATALOG NUMBER: MSA-SA1D-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: P596905
 CATALOG NUMBER: MSA-SA1D-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°	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0
2.5°	530.1	527.3	525.4	523.8	521.9	520.0	522.4	524.7	526.8	529.2	536.2
5°	527.1	527.1	525.4	523.8	522.1	520.5	524.0	527.3	530.8	534.1	533.9
7.5°	419.6	418.7	428.6	438.2	448.1	457.7	460.3	462.9	465.2	467.8	467.1
10°	364.6	377.5	381.8	386.0	390.2	394.5	399.6	404.8	410.0	415.2	417.0
12.5°	319.2	327.2	340.9	354.3	367.9	381.3	388.1	395.2	402.0	408.8	422.2
15°	263.1	271.0	282.8	294.6	306.3	318.1	328.9	339.9	350.7	361.6	377.8
17.5°	185.0	191.8	200.8	209.7	218.4	227.3	244.0	260.7	277.4	294.1	311.2
20°	126.9	128.4	132.6	137.1	141.3	145.5	160.6	175.8	190.9	205.9	228.5
22.5°	103.4	104.1	106.3	108.4	110.3	112.4	120.1	128.1	135.9	143.6	162.0
25°	91.7	91.7	93.1	94.5	95.9	97.3	101.6	105.8	109.8	114.0	125.8
27.5°	81.3	80.2	82.3	84.4	86.5	88.6	91.7	95.0	98.0	101.1	109.1
30°	77.8	76.6	79.2	81.8	84.4	87.0	90.0	93.1	95.9	99.0	104.4
32.5°	82.5	82.7	83.7	84.6	85.3	86.3	87.7	89.3	90.7	92.2	96.9
35°	65.6	65.6	67.2	68.9	70.3	71.9	74.5	77.1	79.7	82.3	87.2
37.5°	63.7	64.2	65.6	67.2	68.6	70.1	73.3	76.9	80.2	83.5	87.5
40°	61.8	62.3	64.2	66.1	67.9	69.8	73.1	76.2	79.5	82.5	86.3
42.5°	61.1	61.6	63.9	66.5	68.9	71.2	74.1	76.9	79.5	82.3	87.5
45°	60.2	61.1	63.9	67.0	69.8	72.6	75.2	77.8	80.4	83.0	89.3
47.5°	58.8	59.9	63.2	66.3	69.6	72.6	77.6	82.7	87.7	92.6	95.7
50°	57.8	59.0	62.5	66.1	69.6	73.1	81.1	89.1	96.9	104.8	103.2
52.5°	55.5	56.9	61.4	65.8	70.3	74.8	81.8	88.9	95.9	103.0	99.7
55°	51.0	52.2	57.4	62.5	67.5	72.6	77.8	83.0	87.9	93.1	89.3
57.5°	46.5	48.0	52.9	57.8	62.5	67.5	70.1	72.6	75.2	77.8	76.4
60°	42.3	43.7	50.3	56.9	63.5	70.1	67.7	65.4	62.8	60.4	62.1
62.5°	38.3	39.7	46.1	52.2	58.5	64.6	61.4	58.1	54.8	51.5	54.1
65°	33.9	35.3	37.6	40.2	42.5	44.9	44.7	44.2	44.0	43.5	46.3
67.5°	29.2	30.3	31.5	32.9	34.1	35.3	36.0	36.9	37.6	38.3	40.7
70°	25.4	26.6	28.0	29.2	30.6	31.7	32.2	32.7	32.9	33.4	35.5
72.5°	21.2	22.1	24.0	25.9	27.5	29.4	29.6	29.6	29.9	29.9	31.5
75°	18.3	19.0	20.5	21.9	23.0	24.4	25.2	25.9	26.3	27.0	28.0
77.5°	16.2	17.2	17.6	17.9	18.3	18.6	19.0	19.5	20.0	20.5	20.7
80°	12.0	13.2	13.6	13.9	14.3	14.6	14.6	14.3	14.3	14.1	14.3
82.5°	3.8	4.2	4.9	5.6	6.3	7.1	7.3	7.5	7.5	7.8	7.5
85°	0.7	0.9	1.4	1.9	2.1	2.6	2.4	1.9	1.6	1.2	0.9
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: P596905
 CATALOG NUMBER: MSA-SA1D-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: P596905
 CATALOG NUMBER: MSA-SA1D-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0
2.5°	543.3	550.1	557.1	554.3	551.5	548.7	545.9	546.3	547.0	547.5	548.0
5°	533.6	533.2	532.9	540.9	549.1	557.1	565.1	573.8	582.8	591.5	600.2
7.5°	466.4	465.5	464.8	475.1	485.4	495.8	506.1	518.1	530.3	542.3	554.3
10°	418.9	420.8	422.7	426.9	431.4	435.6	439.8	451.4	462.9	474.2	485.7
12.5°	435.6	448.8	462.2	464.8	467.1	469.7	472.0	473.7	475.3	477.0	478.6
15°	394.2	410.5	426.7	433.5	440.1	446.9	453.5	470.9	488.0	505.4	522.6
17.5°	328.4	345.3	362.5	382.9	403.4	423.9	444.3	463.1	481.9	500.7	519.5
20°	251.3	273.9	296.4	322.3	348.4	374.2	400.1	418.9	437.5	456.3	474.9
22.5°	180.5	198.9	217.2	248.5	279.5	310.8	341.8	374.5	407.4	440.1	472.7
25°	137.5	149.0	160.8	191.6	222.4	252.9	283.7	328.6	373.5	418.4	463.3
27.5°	116.8	124.8	132.6	160.3	188.1	215.6	243.3	296.7	350.0	403.4	456.8
30°	110.0	115.4	120.8	144.3	168.1	191.6	215.1	269.2	323.2	377.3	431.4
32.5°	101.6	106.0	110.7	131.4	152.1	172.5	193.2	246.1	299.0	351.7	404.6
35°	91.9	96.9	101.6	122.2	142.9	163.4	184.1	238.8	293.6	348.4	403.2
37.5°	91.2	95.2	99.0	122.9	147.2	171.1	195.1	249.9	304.7	359.2	414.0
40°	90.3	94.0	97.8	122.2	146.5	170.9	195.1	252.5	309.8	367.2	424.6
42.5°	92.6	97.6	102.7	124.4	146.0	167.4	189.0	249.4	309.8	370.0	430.4
45°	95.9	102.3	108.6	128.4	148.1	167.8	187.6	253.2	318.8	384.1	449.7
47.5°	99.0	102.0	105.1	123.9	142.5	161.3	179.8	246.8	313.8	380.8	447.8
50°	101.8	100.1	98.5	119.2	139.9	160.3	181.0	245.0	308.7	372.6	436.3
52.5°	96.1	92.9	89.3	111.4	133.5	155.4	177.5	241.9	306.3	370.7	435.1
55°	85.6	81.8	78.0	99.9	121.5	143.4	165.0	229.2	293.4	357.6	421.7
57.5°	74.8	73.3	71.7	88.4	105.1	121.5	138.2	209.5	280.9	352.2	423.4
60°	63.7	65.1	66.8	78.8	90.7	102.5	114.5	184.3	253.9	323.7	393.3
62.5°	56.4	59.0	61.4	71.5	81.8	91.9	102.0	167.8	233.7	299.5	365.3
65°	49.4	52.2	55.0	67.0	79.2	91.2	103.2	158.9	214.6	270.3	326.1
67.5°	43.0	45.1	47.5	63.2	79.0	94.7	110.5	156.1	201.5	247.1	292.4
70°	37.6	39.5	41.6	59.9	78.3	96.6	115.0	153.7	192.8	231.6	270.3
72.5°	33.1	34.8	36.4	55.0	73.6	92.2	110.7	145.3	179.6	214.2	248.5
75°	28.9	29.6	30.6	46.3	61.8	77.6	93.1	116.1	139.4	162.4	185.5
77.5°	20.9	20.9	21.2	25.9	30.3	35.0	39.5	53.8	68.2	82.3	96.6
80°	14.3	14.6	14.6	16.5	18.1	20.0	21.6	24.7	27.5	30.6	33.4
82.5°	7.3	6.8	6.6	8.5	10.3	12.2	14.1	14.8	15.3	16.0	16.5
85°	0.7	0.2	0.0	1.2	2.4	3.5	4.7	5.6	6.6	7.5	8.5
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: P596905
 CATALOG NUMBER: MSA-SA1D-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: P596905

CATALOG NUMBER: MSA-SA1D-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°	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0
2.5°	546.1	544.2	542.3	540.5	552.0	563.7	575.2	586.8	619.4	640.8	638.5
5°	608.6	617.1	625.6	634.0	647.6	661.5	675.2	688.8	737.2	766.8	771.1
7.5°	567.5	580.4	593.6	606.5	632.8	658.9	685.3	711.4	751.1	781.9	799.3
10°	500.5	515.3	529.9	544.7	574.3	604.2	633.8	663.4	708.1	750.6	772.5
12.5°	501.9	525.2	548.4	571.7	597.6	623.4	649.1	674.9	702.2	716.5	747.3
15°	540.9	559.3	577.6	595.9	629.8	663.6	697.3	731.1	747.3	781.9	817.8
17.5°	555.3	591.2	627.0	662.7	705.0	747.1	789.4	831.5	862.0	910.0	947.1
20°	528.7	582.5	636.1	690.0	748.0	806.1	864.2	922.2	955.6	1001.2	1058.6
22.5°	529.9	587.0	643.9	701.0	781.2	861.1	941.3	1021.2	1110.8	1198.7	1226.7
25°	538.1	612.9	687.4	762.1	854.8	947.4	1040.0	1132.6	1240.8	1333.1	1370.3
27.5°	540.9	625.1	709.0	793.2	924.8	1056.5	1188.1	1319.7	1448.8	1553.2	1592.9
30°	534.1	637.1	739.8	842.5	1004.0	1165.5	1327.0	1488.5	1611.0	1732.5	1781.9
32.5°	535.7	666.9	798.1	929.3	1119.5	1309.9	1500.1	1690.2	1768.5	1878.1	1965.0
35°	547.0	690.9	834.5	978.4	1188.8	1399.2	1609.6	1820.0	1948.4	2064.0	2137.8
37.5°	573.4	732.7	891.9	1051.3	1309.9	1568.7	1827.3	2085.9	2284.5	2483.2	2517.0
40°	592.9	761.2	929.5	1097.8	1398.0	1698.2	1998.4	2298.6	2523.4	2738.9	2762.0
42.5°	615.0	799.3	983.8	1168.1	1503.8	1839.5	2175.2	2510.9	2771.1	2990.9	3006.2
45°	639.2	828.9	1018.4	1207.8	1559.5	1911.0	2262.7	2614.1	2918.1	3173.4	3115.8
47.5°	650.7	853.6	1056.5	1259.3	1636.4	2013.2	2390.3	2767.1	3039.8	3265.0	3197.8
50°	659.6	882.7	1106.1	1329.1	1724.6	2120.0	2515.4	2910.8	3184.2	3392.0	3286.7
52.5°	684.8	934.2	1183.9	1433.3	1853.8	2274.2	2694.7	3115.1	3379.5	3570.4	3422.8
55°	709.2	996.5	1284.0	1571.3	2023.6	2476.1	2928.4	3380.7	3644.0	3807.6	3607.1
57.5°	740.0	1056.9	1373.6	1690.2	2174.0	2657.8	3141.4	3625.2	3882.6	4063.4	3855.1
60°	732.0	1070.6	1409.3	1747.8	2240.6	2733.3	3226.0	3718.7	4024.6	4246.7	4105.5
62.5°	701.0	1036.7	1372.2	1707.9	2191.9	2675.7	3159.7	3643.5	4010.0	4310.9	4263.4
65°	638.2	950.2	1262.4	1574.3	2036.5	2498.9	2961.1	3423.3	3875.5	4258.5	4275.4
67.5°	555.7	819.0	1082.1	1345.4	1776.5	2207.6	2638.5	3069.7	3603.6	4050.2	4100.5
70°	468.3	666.0	863.9	1061.6	1441.0	1820.5	2199.7	2579.1	3134.1	3583.6	3678.5
72.5°	375.4	502.6	629.5	756.5	1030.4	1304.0	1577.9	1851.5	2339.8	2688.6	2854.4
75°	243.3	301.1	359.0	416.8	599.2	781.4	963.8	1146.0	1470.2	1727.1	1914.5
77.5°	108.4	120.1	131.6	143.4	284.2	425.0	565.8	706.7	847.5	1002.6	1046.6
80°	38.8	44.0	49.4	54.5	123.7	193.0	262.1	331.2	399.4	479.6	499.1
82.5°	16.2	16.2	16.0	15.8	40.4	65.1	89.8	114.5	132.4	152.1	155.9
85°	6.6	4.9	3.1	1.2	5.2	9.4	13.4	17.4	28.0	25.4	47.0
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: P596905
 CATALOG NUMBER: MSA-SA1D-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: P596905

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0
2.5°	629.5	629.1	628.6	628.1	627.7	619.2	611.0	602.5	594.3	604.6	615.0
5°	764.2	776.5	788.7	801.2	813.4	816.9	820.4	824.0	827.5	835.0	842.5
7.5°	813.9	834.5	855.0	875.7	896.1	915.2	934.0	953.0	972.1	967.4	962.7
10°	796.7	834.1	871.4	909.1	946.4	954.7	962.9	971.4	979.6	1001.0	1022.4
12.5°	778.1	823.0	867.9	912.8	957.7	982.6	1007.3	1032.2	1057.2	1078.8	1100.4
15°	866.3	895.0	923.6	952.5	981.2	1003.1	1024.7	1046.6	1068.2	1083.3	1098.1
17.5°	982.2	996.3	1010.4	1024.7	1038.8	1056.0	1073.1	1090.3	1107.5	1116.4	1125.3
20°	1104.6	1110.8	1116.9	1123.0	1129.1	1115.5	1101.8	1088.2	1074.6	1083.0	1091.2
22.5°	1227.6	1229.7	1232.1	1234.2	1236.3	1204.6	1172.8	1141.1	1109.3	1095.9	1082.5
25°	1416.8	1401.3	1385.8	1370.3	1354.8	1317.2	1279.5	1241.9	1204.3	1171.2	1138.0
27.5°	1621.8	1569.2	1516.7	1464.1	1411.7	1374.0	1336.4	1298.8	1261.2	1211.4	1161.5
30°	1828.5	1743.6	1659.0	1574.1	1489.5	1444.8	1400.1	1355.2	1310.6	1260.7	1211.1
32.5°	2017.9	1915.9	1813.9	1711.6	1609.6	1534.4	1459.1	1383.9	1308.7	1273.9	1239.1
35°	2175.0	2054.4	1933.8	1812.9	1692.3	1617.8	1543.3	1468.8	1394.3	1342.5	1291.1
37.5°	2443.4	2307.8	2172.1	2036.5	1900.9	1799.1	1697.5	1595.7	1493.9	1459.4	1424.8
40°	2691.0	2520.1	2349.2	2178.3	2007.4	1922.0	1836.9	1751.6	1666.5	1609.8	1553.4
42.5°	2887.7	2707.7	2527.8	2347.8	2167.7	2083.3	1999.1	1914.7	1830.3	1792.5	1754.9
45°	2930.3	2760.6	2591.1	2421.3	2251.6	2202.5	2153.6	2104.4	2055.5	2029.5	2003.6
47.5°	3014.2	2830.1	2646.3	2462.2	2278.2	2256.1	2234.0	2211.6	2189.5	2202.0	2214.5
50°	3061.2	2873.4	2685.6	2497.7	2309.9	2316.3	2322.4	2328.7	2335.1	2423.5	2511.6
52.5°	3152.4	2962.7	2773.0	2583.3	2393.6	2433.6	2473.3	2513.3	2553.0	2674.8	2796.3
55°	3315.3	3128.9	2942.5	2755.9	2569.4	2622.1	2674.8	2727.6	2780.3	2909.6	3038.7
57.5°	3556.8	3371.8	3187.0	3002.0	2817.2	2869.6	2922.1	2974.5	3026.9	3143.7	3260.3
60°	3860.7	3670.8	3481.1	3291.1	3101.4	3121.2	3140.7	3160.4	3180.2	3305.7	3431.0
62.5°	4097.5	3922.8	3748.4	3573.7	3399.3	3377.4	3355.8	3333.9	3312.3	3407.7	3502.9
65°	4152.5	4029.5	3906.8	3783.9	3660.9	3593.7	3526.7	3459.5	3392.2	3430.8	3469.3
67.5°	3995.0	3912.0	3829.2	3746.3	3663.3	3522.9	3382.6	3242.0	3101.7	3081.2	3060.8
70°	3629.4	3584.0	3538.9	3493.5	3448.4	3232.1	3016.1	2799.8	2583.8	2531.8	2479.9
72.5°	2864.0	2892.2	2920.4	2948.9	2977.1	2745.5	2514.2	2282.6	2051.1	1985.3	1919.7
75°	2019.6	2115.3	2210.9	2306.6	2402.3	2191.2	1980.3	1769.2	1558.1	1494.9	1431.9
77.5°	1095.0	1274.4	1453.7	1633.1	1812.5	1638.3	1464.3	1290.1	1115.9	1072.0	1028.2
80°	519.1	622.5	725.7	829.1	932.6	893.3	854.0	814.6	775.3	784.9	794.6
82.5°	159.1	233.9	308.7	383.4	458.2	464.0	469.7	475.6	481.4	496.0	510.4
85°	53.4	73.1	92.9	112.6	132.4	167.1	201.9	237.0	271.8	249.2	226.9
87.5°	0.0	0.7	1.2	1.9	2.4	7.3	12.2	17.2	22.1	19.0	16.2
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: P596905
 CATALOG NUMBER: MSA-SA1D-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: P596905

CATALOG NUMBER: MSA-SA1D-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°	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0
2.5°	625.6	635.9	636.1	636.6	636.8	637.1	638.2	639.4	640.8	642.0	634.2
5°	850.3	857.8	843.9	830.1	816.0	802.1	814.6	827.0	839.5	851.9	846.5
7.5°	957.7	953.0	951.4	950.0	948.3	946.9	951.6	956.3	961.0	965.7	965.2
10°	1043.8	1065.2	1070.3	1075.5	1080.9	1086.1	1075.3	1064.4	1053.6	1042.8	1038.4
12.5°	1122.0	1143.7	1160.8	1178.0	1195.4	1212.5	1197.0	1181.8	1166.2	1151.0	1136.4
15°	1113.1	1127.9	1142.0	1156.1	1170.2	1184.3	1179.2	1174.2	1169.1	1163.9	1161.5
17.5°	1134.5	1143.4	1140.1	1136.9	1133.3	1130.0	1128.4	1127.0	1125.3	1123.7	1118.0
20°	1099.7	1108.2	1106.1	1104.2	1102.1	1099.9	1098.5	1097.1	1095.7	1094.3	1089.8
22.5°	1069.1	1055.7	1052.2	1048.9	1045.4	1042.1	1042.6	1043.1	1043.3	1043.8	1064.0
25°	1104.9	1071.7	1058.8	1045.9	1032.7	1019.8	1025.7	1031.3	1037.2	1043.1	1072.2
27.5°	1111.5	1061.6	1040.9	1020.3	999.6	978.9	1000.0	1021.2	1042.3	1063.5	1110.8
30°	1161.3	1111.7	1082.8	1054.1	1025.2	996.5	1023.5	1050.6	1077.6	1104.6	1155.9
32.5°	1204.1	1169.3	1148.6	1127.9	1107.2	1086.5	1087.7	1088.7	1089.8	1091.0	1163.2
35°	1239.3	1187.9	1169.1	1150.5	1131.7	1113.1	1141.1	1169.1	1197.0	1225.0	1289.9
37.5°	1390.3	1355.7	1321.2	1286.8	1252.3	1218.0	1240.3	1262.6	1285.2	1307.5	1379.2
40°	1496.8	1440.3	1431.4	1422.7	1413.8	1405.1	1416.6	1427.9	1439.4	1450.9	1513.7
42.5°	1717.0	1679.2	1655.0	1631.0	1606.8	1582.8	1592.0	1601.1	1610.5	1619.7	1679.2
45°	1977.5	1951.4	1935.4	1919.4	1903.2	1887.2	1873.4	1859.7	1845.9	1832.2	1892.6
47.5°	2226.9	2239.4	2274.6	2309.7	2344.9	2380.0	2351.3	2322.6	2293.7	2265.0	2265.2
50°	2600.0	2688.2	2706.0	2723.6	2741.5	2759.1	2698.0	2636.9	2575.5	2514.4	2507.1
52.5°	2918.1	3039.6	3045.9	3052.3	3058.9	3065.2	3040.5	3015.9	2990.9	2966.3	2900.7
55°	3168.0	3297.0	3305.7	3314.2	3322.9	3331.3	3309.7	3288.3	3266.7	3245.1	3178.8
57.5°	3377.2	3493.8	3498.9	3503.9	3509.1	3514.2	3515.9	3517.5	3519.4	3521.0	3431.5
60°	3556.5	3682.1	3671.7	3661.6	3651.3	3641.2	3625.7	3610.1	3594.6	3579.1	3521.3
62.5°	3598.4	3693.8	3677.8	3662.1	3646.1	3630.4	3617.2	3604.3	3591.1	3577.9	3541.0
65°	3507.9	3546.4	3530.0	3513.5	3496.8	3480.4	3471.9	3463.7	3455.2	3446.8	3442.1
67.5°	3040.1	3019.6	3039.1	3058.6	3078.2	3097.7	3124.2	3150.8	3177.6	3204.2	3188.6
70°	2427.7	2375.7	2397.4	2418.7	2440.4	2461.8	2502.0	2542.2	2582.6	2622.8	2612.0
72.5°	1853.8	1788.0	1791.1	1794.1	1797.4	1800.5	1799.3	1798.4	1797.2	1796.0	1814.8
75°	1368.6	1305.4	1275.5	1245.7	1215.8	1186.0	1178.7	1171.4	1164.1	1156.8	1191.9
77.5°	984.3	940.6	920.1	899.9	879.4	859.2	869.6	879.9	890.5	900.8	913.1
80°	804.4	814.1	798.3	782.8	767.1	751.3	763.1	774.6	786.3	798.1	761.7
82.5°	524.9	539.3	490.8	442.4	394.0	345.6	375.0	404.3	434.0	463.3	448.3
85°	204.3	182.0	155.2	128.6	101.8	75.0	97.6	120.1	142.7	165.3	180.3
87.5°	13.2	10.3	8.2	6.1	3.8	1.6	3.5	5.4	7.5	9.4	15.8
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: P596905
 CATALOG NUMBER: MSA-SA1D-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: P596905

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

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0	497.0
2.5°	626.7	619.0	611.4	596.6	581.8	567.0	552.2	572.9	593.6	614.3	635.0
5°	841.4	835.9	830.8	832.2	833.6	835.2	836.7	839.7	842.8	845.6	848.6
7.5°	965.0	964.5	964.1	953.3	942.4	931.4	920.6	926.0	931.4	936.8	942.2
10°	1034.1	1029.7	1025.2	1001.4	977.7	953.7	930.0	919.6	909.1	898.7	888.4
12.5°	1121.8	1107.0	1092.4	1067.0	1041.9	1016.5	991.1	981.7	972.1	962.7	953.0
15°	1159.4	1157.1	1155.0	1136.9	1118.5	1100.4	1082.1	1049.9	1017.4	985.2	953.0
17.5°	1112.4	1106.5	1100.9	1129.6	1158.0	1186.7	1215.4	1182.0	1148.6	1115.2	1081.8
20°	1085.4	1080.9	1076.4	1129.8	1182.9	1236.3	1289.4	1274.6	1259.6	1244.8	1229.9
22.5°	1084.2	1104.6	1124.9	1171.6	1218.2	1265.0	1311.5	1337.1	1363.0	1388.6	1414.2
25°	1101.4	1130.7	1159.9	1237.5	1315.0	1392.9	1470.4	1499.8	1529.0	1558.4	1587.5
27.5°	1157.8	1205.0	1252.0	1319.7	1387.4	1455.4	1523.1	1587.3	1651.7	1715.9	1780.0
30°	1206.9	1258.2	1309.4	1390.0	1470.4	1551.1	1631.5	1711.9	1792.3	1872.7	1953.1
32.5°	1235.4	1307.8	1379.9	1478.0	1575.7	1673.8	1771.8	1860.0	1948.1	2036.0	2124.2
35°	1354.8	1419.9	1484.8	1593.1	1701.5	1810.1	1918.5	2027.6	2136.7	2245.5	2354.6
37.5°	1450.9	1522.9	1594.6	1713.0	1831.3	1949.8	2068.2	2218.9	2369.9	2520.5	2671.2
40°	1576.5	1639.2	1702.0	1812.9	1923.7	2034.6	2145.6	2336.7	2527.8	2718.7	2909.8
42.5°	1738.4	1797.9	1857.4	1976.1	2094.8	2213.5	2332.2	2543.8	2755.4	2966.7	3178.3
45°	1953.1	2013.7	2074.1	2168.6	2263.1	2357.6	2452.1	2677.1	2901.8	3126.8	3351.6
47.5°	2265.5	2265.7	2265.9	2334.1	2402.3	2470.7	2538.9	2765.5	2991.9	3218.5	3444.9
50°	2499.9	2492.3	2485.0	2520.3	2555.3	2590.6	2625.9	2834.4	3043.1	3251.6	3460.2
52.5°	2835.3	2769.7	2704.4	2725.3	2746.0	2766.9	2787.6	2964.1	3140.9	3317.5	3494.0
55°	3112.7	3046.4	2980.1	2972.4	2964.6	2956.8	2949.1	3111.5	3274.0	3436.4	3598.9
57.5°	3342.1	3252.6	3163.3	3145.4	3127.8	3109.9	3092.0	3263.4	3434.5	3605.9	3777.0
60°	3463.7	3405.9	3348.0	3336.5	3324.8	3313.2	3301.5	3442.1	3582.6	3723.2	3863.8
62.5°	3504.4	3467.4	3430.8	3452.4	3474.0	3495.9	3517.5	3579.3	3640.9	3702.8	3764.4
65°	3437.6	3432.9	3428.2	3472.6	3516.8	3561.2	3605.7	3590.4	3574.9	3559.6	3544.3
67.5°	3173.4	3157.8	3142.6	3240.1	3337.4	3435.0	3532.6	3458.5	3384.2	3310.2	3236.1
70°	2601.2	2590.1	2579.3	2719.9	2860.5	3001.3	3141.9	3052.1	2962.3	2872.5	2782.7
72.5°	1833.4	1852.2	1871.0	2036.7	2202.2	2368.0	2533.5	2443.0	2352.5	2261.9	2171.4
75°	1226.7	1261.7	1296.7	1467.4	1638.0	1808.9	1979.6	1873.4	1767.1	1660.8	1554.6
77.5°	925.3	937.5	949.7	1057.6	1165.5	1273.7	1381.6	1293.9	1206.0	1118.3	1030.4
80°	725.2	688.6	652.1	687.6	723.1	758.6	794.1	741.7	689.3	637.1	584.6
82.5°	433.3	418.2	403.2	422.4	441.5	460.8	480.0	457.5	434.7	412.1	389.3
85°	195.1	210.2	225.0	244.5	263.8	283.3	302.8	271.3	239.8	208.3	176.8
87.5°	21.9	28.2	34.6	42.8	51.0	59.2	67.5	52.7	37.6	22.8	8.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	497.0	497.0
2.5°	646.9	658.9
5°	848.4	847.9
7.5°	928.1	913.8
10°	875.2	862.0
12.5°	919.4	885.8
15°	927.6	902.2
17.5°	1040.5	998.9
20°	1176.6	1123.0
22.5°	1340.9	1267.3
25°	1500.1	1412.6
27.5°	1727.6	1675.0
30°	1899.9	1846.6
32.5°	2088.0	2051.8
35°	2318.6	2282.4
37.5°	2680.6	2689.8
40°	2915.5	2921.1
42.5°	3200.2	3222.0
45°	3376.0	3400.4
47.5°	3479.0	3513.1
50°	3515.2	3570.2
52.5°	3561.9	3629.7
55°	3674.3	3749.8
57.5°	3837.2	3897.4
60°	3866.6	3869.4
62.5°	3720.9	3677.4
65°	3498.0	3451.7
67.5°	3208.2	3179.9
70°	2745.5	2708.4
72.5°	2102.3	2033.2
75°	1469.0	1383.5
77.5°	985.5	940.6
80°	586.1	587.2
82.5°	400.1	410.7
85°	174.7	172.3
87.5°	5.6	3.1
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: P596905
CATALOG NUMBER: MSA-SA1D-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)