

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: P597015

Luminaire Tested: **MSA-SA3A-835-U-SLR-HSS**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P597015
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-SA3A-835-U-SLR-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7054 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

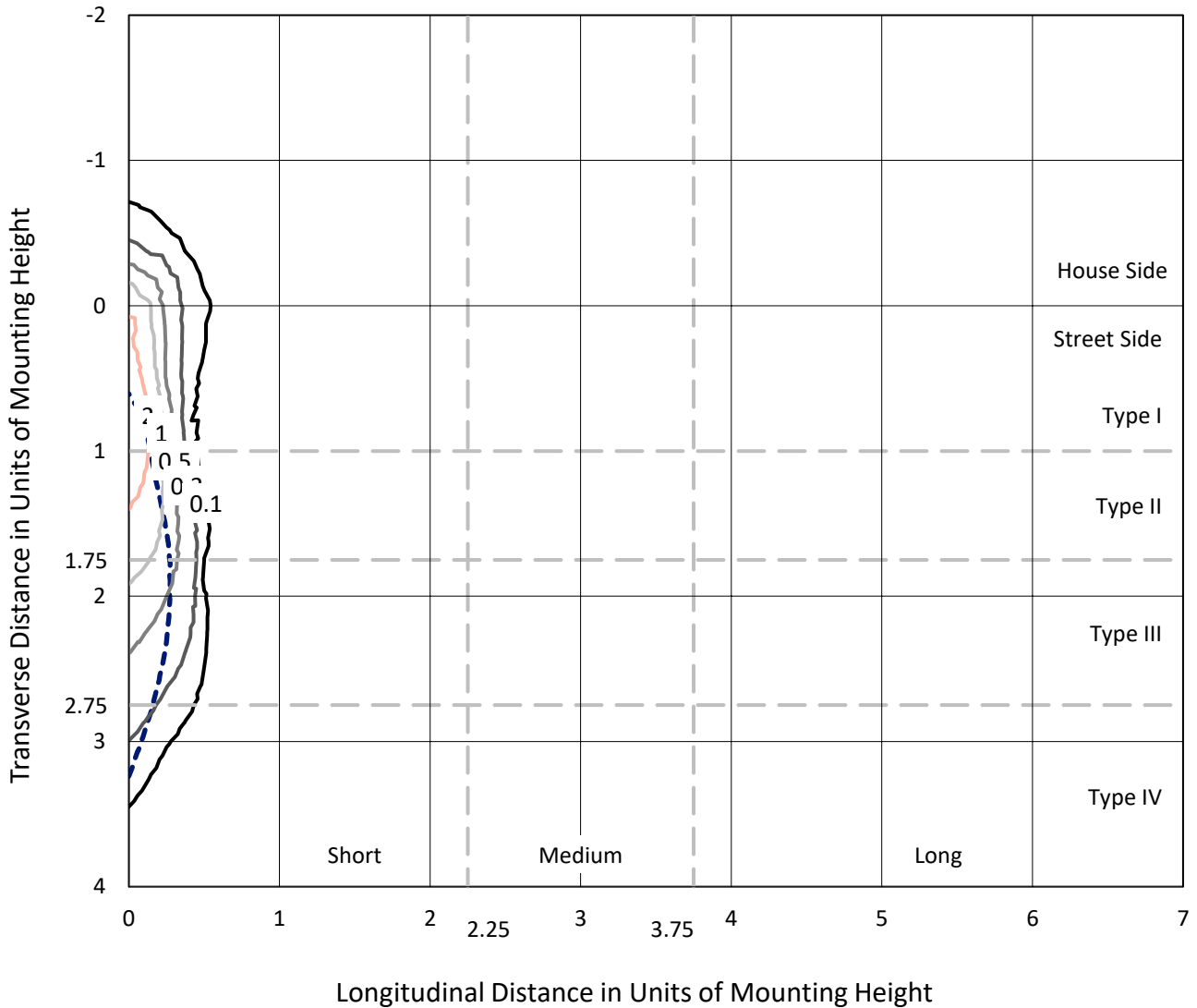
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

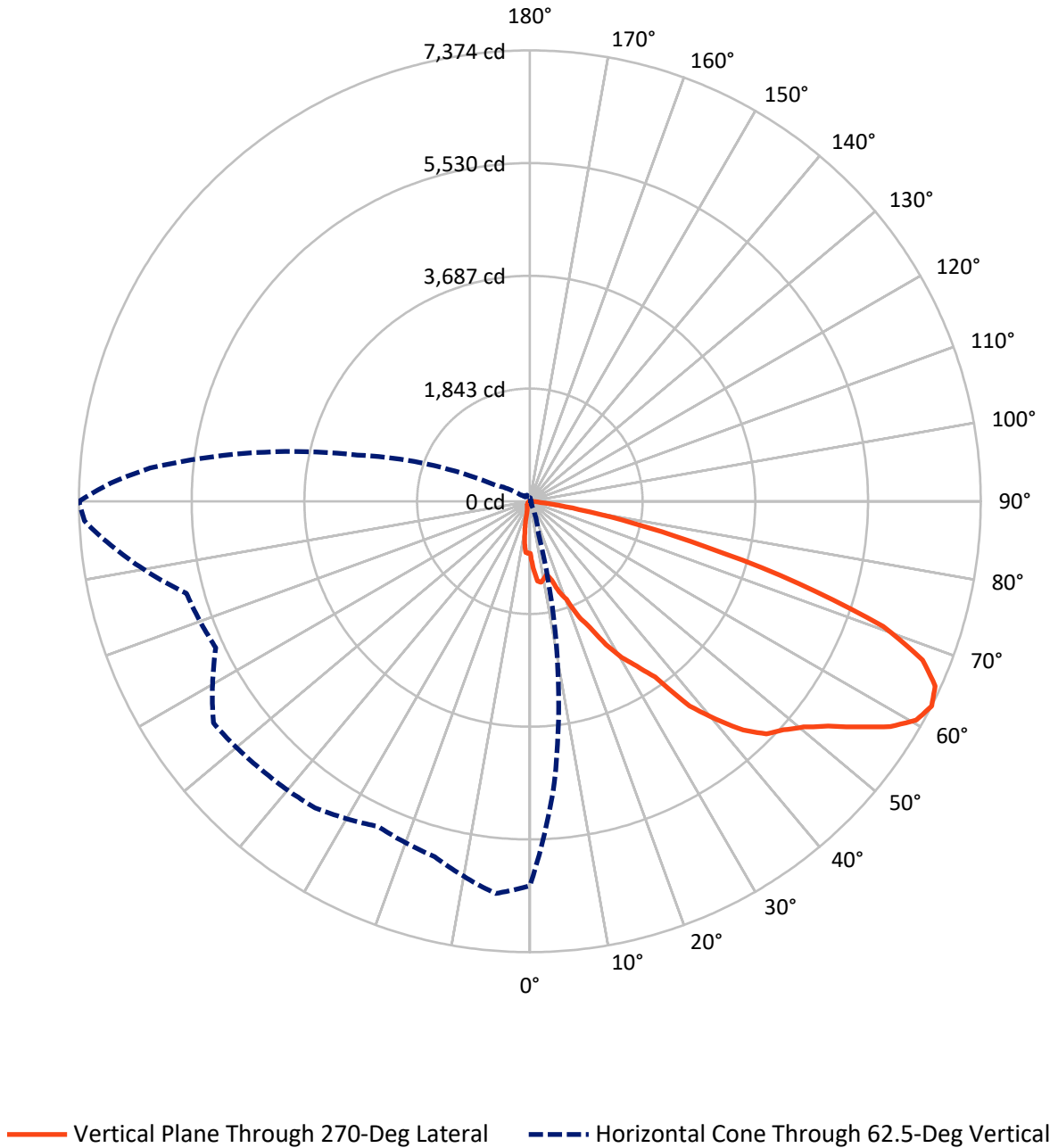
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1177.9	0.0	1177.9
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	5876.1	0.0	5876.1
	% Fixture	83.3	0.0	83.3
Total	Lumens	7054.0	0.0	7054.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.0	1.3
10°-20°	248.1	3.5
20°-30°	401.0	5.7
30°-40°	671.6	9.5
40°-50°	1097.9	15.6
50°-60°	1625.3	23.0
60°-70°	1865.9	26.5
70°-80°	922.6	13.1
80°-90°	126.7	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7054.0	100.0
0°-180°	7054.0	100.0

Coefficient of Utilization

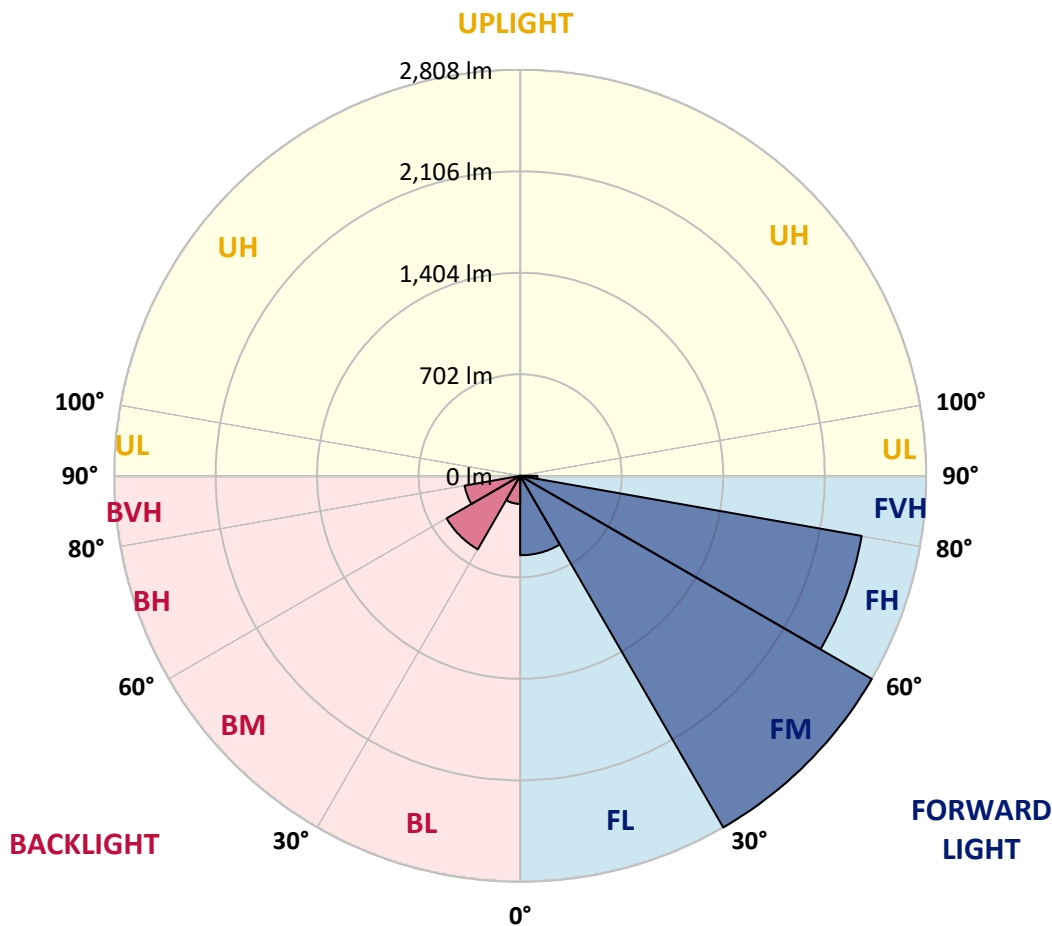


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	549.6	7.8			
FM (30°-60°)	2807.8	39.8			
FH (60°-80°)	2398.7	34.0			G2/5000
FVH (80°-90°)	120.0	1.7			G2/225
BL (0°-30°)	194.5	2.8	B1/500		
BM (30°-60°)	587.0	8.3	B1/1000		
BH (60°-80°)	389.7	5.5	B1/500		G1/500
BVH (80°-90°)	6.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0
2.5°	1127.1	1141.2	1154.8	1128.7	1102.6	1076.4	1050.3	1027.0	1003.6	979.9	956.6
5°	1450.4	1424.6	1398.9	1363.5	1328.1	1292.8	1257.4	1240.9	1224.4	1207.9	1191.4
7.5°	1563.0	1517.1	1470.9	1439.5	1408.6	1377.2	1345.8	1296.4	1246.5	1197.1	1147.2
10°	1474.5	1425.8	1376.8	1349.4	1322.1	1294.8	1267.4	1205.9	1144.0	1082.5	1020.5
12.5°	1515.1	1462.4	1409.8	1353.5	1297.2	1240.9	1184.6	1137.5	1090.1	1043.0	995.6
15°	1543.3	1482.9	1422.2	1357.9	1293.6	1229.2	1164.9	1109.4	1054.3	998.8	943.3
17.5°	1708.5	1622.1	1535.6	1436.7	1337.8	1238.9	1140.0	1075.6	1011.7	947.3	883.0
20°	1920.8	1798.2	1675.1	1541.3	1407.4	1273.5	1139.6	1059.5	979.5	899.5	819.5
22.5°	2167.7	2014.5	1860.9	1695.7	1530.8	1365.5	1200.3	1085.3	970.3	855.3	740.3
25°	2416.2	2277.9	2139.6	1917.2	1694.9	1472.1	1249.7	1103.8	957.4	811.4	665.1
27.5°	2865.0	2617.7	2370.4	2087.3	1804.6	1521.5	1238.5	1071.2	903.9	736.2	569.0
30°	3158.5	2968.3	2777.7	2403.8	2030.2	1656.3	1282.3	1070.4	858.5	646.2	434.3
32.5°	3509.5	3231.3	2952.6	2546.9	2141.2	1735.5	1329.7	1080.8	831.5	582.6	333.3
35°	3904.0	3601.2	3298.4	2784.5	2270.7	1756.4	1242.5	1001.2	760.0	518.7	277.4
37.5°	4600.8	4094.2	3587.5	2988.4	2388.9	1789.7	1190.2	949.4	708.1	467.2	226.0
40°	4996.5	4512.8	4029.0	3280.3	2531.6	1782.9	1034.2	820.3	606.8	392.9	178.9
42.5°	5511.2	4897.6	4283.6	3446.8	2610.0	1773.3	936.5	738.7	540.8	342.6	144.8
45°	5816.4	5121.1	4425.9	3519.2	2612.4	1705.7	799.0	627.7	456.4	285.1	113.8
47.5°	6009.0	5311.7	4614.5	3641.0	2667.9	1694.5	721.0	563.3	405.7	248.1	90.5
50°	6106.7	5407.4	4707.8	3707.4	2706.9	1706.1	705.7	548.9	391.6	234.8	77.6
52.5°	6208.4	5534.1	4859.4	3822.4	2785.3	1748.3	711.3	551.3	391.6	231.6	71.6
55°	6413.9	5748.8	5083.4	3987.2	2891.1	1795.0	698.9	541.2	383.6	225.6	68.0
57.5°	6666.4	5955.5	5244.2	4107.9	2971.5	1835.2	698.9	540.4	382.0	223.2	64.7
60°	6618.6	5846.9	5074.9	3972.3	2869.8	1766.8	664.3	513.5	363.1	212.3	61.5
62.5°	6290.1	5452.5	4614.5	3595.6	2576.3	1557.3	538.0	417.8	297.6	176.9	56.7
65°	5904.0	5015.0	4125.5	3187.9	2249.8	1312.1	374.0	293.5	212.7	132.3	51.5
67.5°	5439.2	4491.1	3542.9	2708.9	1875.4	1041.4	207.5	167.3	127.1	86.5	46.2
70°	4632.6	3653.9	2674.8	2033.8	1393.3	752.3	111.4	94.1	76.8	59.5	42.2
72.5°	3477.8	2581.1	1684.4	1279.5	875.0	470.1	65.1	58.7	51.9	45.4	38.6
75°	2366.4	1694.5	1022.5	778.5	534.8	290.7	46.6	43.4	39.8	36.6	33.0
77.5°	1608.8	1163.7	718.6	548.5	378.4	208.3	38.2	36.2	34.2	31.8	29.8
80°	1004.4	687.6	370.7	285.5	199.8	114.6	29.0	27.7	26.5	24.9	23.7
82.5°	702.5	420.2	137.9	107.8	77.6	47.0	16.9	17.3	17.7	17.7	18.1
85°	294.7	159.2	23.7	20.1	16.5	12.9	9.2	10.1	11.3	12.1	12.9
87.5°	5.2	2.8	0.0	0.8	2.0	2.8	3.6	4.8	5.6	6.8	7.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0
2.5°	962.6	968.7	974.3	980.3	975.5	971.1	966.2	961.4	954.2	947.3	940.1
5°	1171.3	1151.2	1131.1	1111.0	1080.4	1049.9	1018.9	988.4	984.7	981.1	977.1
7.5°	1100.1	1053.1	1005.7	958.6	914.4	870.1	825.9	781.7	768.0	754.7	741.1
10°	984.3	948.2	911.6	875.4	843.6	811.4	779.7	747.5	714.1	680.8	647.0
12.5°	957.8	920.0	881.8	844.0	815.1	786.1	757.2	728.2	690.8	653.4	616.0
15°	902.3	861.3	820.3	779.3	740.7	702.1	663.1	624.5	579.4	534.4	489.4
17.5°	834.4	786.1	737.5	688.8	638.1	587.5	536.8	486.1	434.3	382.8	330.9
20°	753.5	687.6	621.2	555.3	492.6	429.8	366.7	304.0	271.4	239.2	206.7
22.5°	655.0	569.4	484.1	398.5	347.0	295.1	243.7	191.8	177.7	163.7	149.6
25°	568.2	471.3	374.4	277.4	244.9	212.3	179.7	147.2	140.7	133.9	127.5
27.5°	477.7	386.8	295.5	204.3	185.8	166.9	148.4	129.5	125.1	121.0	116.6
30°	366.3	298.4	230.0	162.0	150.0	137.9	125.5	113.4	111.4	109.0	107.0
32.5°	283.9	234.0	184.6	134.7	127.9	121.0	114.2	107.4	104.1	100.9	97.3
35°	237.2	197.4	157.2	117.0	112.2	107.0	102.1	96.9	93.7	90.1	86.9
37.5°	196.6	167.7	138.3	109.0	103.7	98.5	92.9	87.7	85.2	82.8	80.4
40°	162.0	145.2	128.3	111.4	103.7	96.1	88.5	80.8	78.8	76.8	74.8
42.5°	133.9	123.0	111.8	100.9	95.3	90.1	84.4	78.8	76.0	72.8	70.0
45°	108.2	102.1	96.5	90.5	90.9	91.3	91.3	91.7	84.4	76.8	69.6
47.5°	87.7	84.8	81.6	78.8	82.0	85.2	88.1	91.3	83.6	76.0	68.0
50°	75.2	73.2	70.8	68.4	71.6	75.2	78.4	81.6	78.4	75.6	72.4
52.5°	68.8	65.9	63.1	60.3	61.5	63.1	64.3	65.5	65.5	65.5	65.5
55°	64.7	61.9	58.7	55.5	54.3	52.7	51.5	49.9	47.8	46.2	44.2
57.5°	61.5	58.3	54.7	51.5	49.5	47.0	45.0	42.6	40.6	38.2	36.2
60°	58.3	55.1	51.5	48.3	46.2	44.2	41.8	39.8	37.4	35.4	33.0
62.5°	53.9	51.1	48.3	45.4	43.4	41.8	39.8	37.8	35.4	33.0	30.2
65°	49.1	47.0	44.6	42.2	40.2	38.2	36.2	34.2	31.8	29.8	27.3
67.5°	44.6	42.6	41.0	39.0	36.6	34.6	32.2	29.8	28.1	26.5	24.5
70°	41.0	39.4	38.2	36.6	34.2	32.2	29.8	27.3	26.1	24.5	23.3
72.5°	37.4	36.2	34.6	33.4	31.4	29.4	27.3	25.3	24.1	22.9	21.7
75°	32.2	31.4	30.6	29.8	27.7	25.7	23.3	21.3	20.9	20.5	20.1
77.5°	29.0	28.5	27.7	26.9	24.9	22.9	20.9	18.9	19.3	19.7	19.7
80°	23.7	23.7	23.3	23.3	21.7	20.1	18.1	16.5	17.3	18.5	19.3
82.5°	18.1	18.1	18.1	18.1	16.5	14.9	13.3	11.7	12.9	13.7	14.9
85°	12.5	12.1	11.7	11.3	10.1	9.2	8.0	6.8	8.4	9.7	11.3
87.5°	7.6	8.0	8.0	8.0	7.2	6.0	5.2	4.0	4.8	5.2	6.0
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):

	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: P597015
 CATALOG NUMBER: MSA-SA3A-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0
2.5°	932.9	920.8	908.7	896.3	884.2	856.1	827.9	799.8	771.6	792.5	813.0
5°	973.5	950.2	926.4	903.1	879.4	868.9	858.9	848.4	838.0	839.6	841.6
7.5°	727.4	712.1	696.8	681.2	665.9	662.7	659.8	656.6	653.4	660.2	666.7
10°	613.6	592.3	570.6	549.3	527.6	515.9	504.2	492.6	480.9	479.7	478.1
12.5°	578.6	546.1	513.9	481.3	448.7	423.4	398.1	372.7	347.4	349.4	351.4
15°	444.3	411.8	379.6	347.0	314.4	293.9	273.0	252.5	231.6	225.6	219.5
17.5°	279.1	254.9	230.8	206.3	182.2	175.3	168.9	162.0	155.2	153.2	151.2
20°	174.1	163.7	153.2	142.3	131.9	130.3	128.7	127.1	125.5	126.7	127.9
22.5°	135.5	131.1	126.3	121.8	117.0	115.4	113.8	112.2	110.6	111.8	112.6
25°	120.6	117.4	114.2	111.0	107.8	106.2	104.1	102.5	100.5	101.3	102.5
27.5°	112.2	109.4	106.6	103.7	100.9	98.1	95.7	92.9	90.1	91.7	92.9
30°	104.5	101.3	98.5	95.3	92.1	89.3	86.5	83.2	80.4	82.0	83.6
32.5°	94.1	91.3	88.1	85.2	82.0	80.4	78.8	76.8	75.2	76.4	77.2
35°	83.2	80.8	78.8	76.4	74.0	72.4	71.2	69.6	68.0	68.4	69.2
37.5°	78.0	75.2	72.4	69.6	66.7	65.9	65.1	63.9	63.1	63.1	63.1
40°	72.8	70.0	67.2	63.9	61.1	59.9	58.7	57.5	56.3	56.3	56.3
42.5°	66.7	63.9	61.1	58.3	55.5	54.3	52.7	51.5	49.9	49.9	49.9
45°	61.9	59.1	56.7	53.9	51.1	49.1	47.0	44.6	42.6	42.2	41.8
47.5°	60.3	56.3	52.3	48.3	44.2	42.2	40.2	37.8	35.8	35.4	35.0
50°	69.2	61.1	53.1	45.0	37.0	35.4	33.8	32.2	30.6	29.8	29.4
52.5°	65.5	57.1	48.7	40.2	31.8	30.6	29.4	28.1	26.9	26.1	25.3
55°	42.2	38.6	35.4	31.8	28.1	27.3	26.5	25.3	24.5	23.7	22.9
57.5°	33.8	31.8	30.2	28.1	26.1	25.3	24.5	23.3	22.5	21.3	20.5
60°	30.6	29.0	27.3	25.7	24.1	23.3	22.5	21.7	20.9	19.7	18.9
62.5°	27.7	26.5	25.3	24.1	22.9	22.1	21.3	20.5	19.7	18.5	17.3
65°	24.9	24.1	23.3	22.5	21.7	20.9	20.1	18.9	18.1	16.9	15.7
67.5°	22.9	22.5	22.1	21.7	21.3	20.5	19.3	18.5	17.3	16.1	14.5
70°	21.7	21.7	21.7	21.3	21.3	20.5	19.3	18.5	17.3	15.7	14.5
72.5°	20.5	20.9	21.3	21.3	21.7	20.5	19.3	18.1	16.9	15.3	14.1
75°	19.7	20.1	20.5	20.5	20.9	20.1	19.3	18.1	17.3	15.7	14.1
77.5°	20.1	20.5	20.5	20.9	20.9	20.1	19.3	18.1	17.3	15.3	13.3
80°	20.1	19.7	19.3	18.5	18.1	16.5	14.9	12.9	11.3	8.8	6.8
82.5°	15.7	14.9	14.5	13.7	12.9	11.3	9.7	8.0	6.4	4.8	3.2
85°	12.5	11.7	11.3	10.5	9.7	8.4	6.8	5.6	4.0	3.2	2.0
87.5°	6.4	6.0	5.2	4.8	4.0	3.2	2.0	1.2	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: P597015
 CATALOG NUMBER: MSA-SA3A-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: P597015

CATALOG NUMBER: MSA-SA3A-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°	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0
2.5°	834.0	854.5	851.6	848.8	862.1	875.4	865.7	856.5	846.8	837.2	817.1
5°	843.2	844.8	842.0	838.8	839.2	839.6	833.2	826.7	820.3	813.9	812.6
7.5°	673.5	680.0	688.8	697.2	697.6	697.6	692.8	688.0	682.8	677.9	680.4
10°	476.9	475.3	477.7	480.1	479.7	478.9	491.8	504.6	517.1	530.0	520.7
12.5°	353.0	355.1	345.0	334.9	338.6	341.8	343.8	345.8	347.8	349.8	355.5
15°	213.5	207.5	200.2	193.0	196.6	199.8	203.5	206.7	210.3	213.5	217.1
17.5°	148.8	146.8	143.5	139.9	140.3	140.7	141.1	141.5	141.5	141.9	142.7
20°	129.1	130.3	127.9	125.1	124.2	123.0	122.2	121.4	120.2	119.4	118.2
22.5°	113.8	114.6	115.0	115.0	113.4	111.4	109.8	108.6	107.0	105.4	104.5
25°	103.3	104.1	103.3	102.1	101.3	100.5	99.7	98.5	97.7	96.5	96.1
27.5°	94.5	95.7	95.7	95.3	94.5	93.3	91.3	89.7	87.7	85.6	86.0
30°	85.2	86.9	86.9	86.5	86.0	85.6	83.6	81.6	79.6	77.6	78.4
32.5°	78.4	79.2	78.8	78.4	78.4	78.0	76.4	75.2	73.6	72.0	72.0
35°	69.6	70.0	70.0	70.0	70.0	69.6	68.4	67.2	65.9	64.7	65.1
37.5°	63.1	63.1	64.3	65.1	64.3	63.5	62.7	61.5	60.7	59.5	59.5
40°	55.9	55.9	57.1	57.9	57.1	56.3	55.9	55.1	54.7	53.9	53.9
42.5°	49.5	49.5	50.7	51.5	51.5	51.1	50.3	49.5	48.7	47.8	48.3
45°	41.4	41.0	43.0	44.6	43.8	43.0	43.0	42.6	42.6	42.2	42.6
47.5°	34.2	33.8	35.4	37.0	36.6	35.8	35.8	35.8	35.8	35.8	36.2
50°	28.5	27.7	29.4	30.6	30.2	29.4	29.4	29.8	29.8	29.8	30.2
52.5°	24.5	23.7	24.9	25.7	25.3	24.9	24.9	25.3	25.3	25.3	25.7
55°	21.7	20.9	22.1	22.9	22.5	21.7	22.1	22.1	22.5	22.5	22.5
57.5°	19.3	18.1	18.9	19.7	19.7	19.3	19.7	19.7	20.1	20.1	20.1
60°	17.7	16.5	17.3	17.7	17.7	17.3	17.7	17.7	18.1	18.1	18.1
62.5°	15.7	14.5	15.3	15.7	15.7	15.3	15.7	15.7	16.1	16.1	16.1
65°	14.1	12.9	13.3	13.7	13.7	13.7	14.1	14.1	14.5	14.5	14.5
67.5°	13.3	11.7	12.1	12.5	12.5	12.5	12.9	12.9	13.3	13.3	13.7
70°	12.9	11.3	11.7	11.7	12.1	12.1	12.1	12.5	12.5	12.5	12.5
72.5°	12.5	10.9	10.9	10.9	11.3	11.3	11.3	11.7	11.7	11.7	11.7
75°	12.5	10.9	10.5	10.1	10.5	10.5	10.5	10.9	10.9	10.9	10.9
77.5°	10.9	8.8	8.0	6.8	8.0	8.8	9.2	9.2	9.7	9.7	9.7
80°	4.4	2.0	1.2	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8
82.5°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.2	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: P597015
 CATALOG NUMBER: MSA-SA3A-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: P597015
 CATALOG NUMBER: MSA-SA3A-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0
2.5°	797.0	776.9	756.8	766.4	776.1	785.7	795.4	794.6	793.3	792.5	791.3
5°	811.8	810.6	809.4	803.8	798.6	792.9	787.3	786.1	784.5	783.3	781.7
7.5°	682.8	684.8	687.2	680.8	674.3	667.9	661.5	645.0	628.5	611.6	595.1
10°	511.5	501.8	492.6	491.8	491.0	490.2	489.4	487.7	486.1	484.1	482.5
12.5°	361.5	367.1	372.7	370.7	368.7	366.3	364.3	367.1	370.3	373.1	376.0
15°	220.4	224.0	227.2	234.4	241.7	248.9	256.1	259.0	262.2	265.0	267.8
17.5°	143.5	144.0	144.8	152.8	160.4	168.5	176.1	181.3	186.6	191.4	196.6
20°	117.0	115.8	114.6	119.0	123.4	127.9	132.3	137.1	141.9	146.8	151.6
22.5°	104.1	103.3	102.5	104.1	105.8	107.0	108.6	112.2	116.2	119.8	123.4
25°	95.7	94.9	94.5	95.3	96.1	96.9	97.7	99.7	101.7	103.7	105.8
27.5°	86.0	86.5	86.5	87.3	87.7	88.5	88.9	89.7	90.9	91.7	92.5
30°	78.8	79.6	80.0	80.8	81.2	82.0	82.4	82.0	81.6	81.2	80.8
32.5°	72.0	71.6	71.6	72.4	72.8	73.6	74.0	74.8	75.6	76.0	76.8
35°	65.1	65.5	65.5	65.5	65.9	65.9	65.9	66.7	68.0	68.8	69.6
37.5°	59.1	59.1	58.7	59.9	60.7	61.9	62.7	63.5	64.7	65.5	66.3
40°	53.9	53.9	53.9	54.7	55.5	55.9	56.7	58.7	60.7	62.7	64.7
42.5°	48.3	48.7	48.7	49.5	50.3	50.7	51.5	53.1	54.3	55.9	57.1
45°	43.0	43.4	43.8	44.6	45.0	45.8	46.2	47.0	47.4	48.3	48.7
47.5°	37.0	37.4	37.8	38.6	39.0	39.8	40.2	39.8	39.8	39.4	39.0
50°	31.0	31.4	31.8	33.0	33.8	35.0	35.8	35.0	34.2	33.0	32.2
52.5°	26.1	26.1	26.5	27.3	28.1	28.5	29.4	29.0	28.5	28.1	27.7
55°	22.5	22.5	22.5	22.9	23.3	23.7	24.1	24.5	24.5	24.9	24.9
57.5°	20.1	19.7	19.7	20.1	20.5	20.5	20.9	21.3	21.3	21.7	21.7
60°	18.1	17.7	17.7	18.1	18.5	18.9	19.3	19.3	19.3	18.9	18.9
62.5°	16.1	16.1	16.1	16.5	16.5	16.9	16.9	16.9	17.3	17.3	17.3
65°	14.9	14.9	14.9	14.9	14.9	14.5	14.5	14.9	14.9	15.3	15.3
67.5°	13.7	14.1	14.1	13.7	13.3	12.9	12.5	12.9	12.9	13.3	13.3
70°	12.5	12.5	12.5	12.1	11.7	11.3	10.9	10.9	10.9	10.5	10.5
72.5°	11.7	11.3	11.3	10.9	10.1	9.7	8.8	8.4	8.4	8.0	7.6
75°	10.9	10.5	10.5	9.7	8.8	8.0	7.2	6.8	6.0	5.6	4.8
77.5°	9.7	9.7	9.7	8.4	7.6	6.4	5.2	4.4	3.6	2.4	1.6
80°	3.2	3.6	4.0	3.6	3.6	3.2	2.8	2.0	1.6	0.8	0.0
82.5°	0.4	0.4	0.4	0.4	0.4	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: P597015
 CATALOG NUMBER: MSA-SA3A-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: P597015
 CATALOG NUMBER: MSA-SA3A-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°	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0
2.5°	795.8	800.2	804.6	809.0	809.4	809.8	810.2	810.6	800.6	790.1	780.1
5°	789.7	798.2	806.2	814.3	809.8	805.4	801.0	796.6	796.2	796.2	795.8
7.5°	596.3	597.1	598.3	599.1	600.7	602.3	603.6	605.2	611.6	618.0	624.1
10°	477.3	472.1	466.4	461.2	457.2	452.8	448.7	444.3	447.5	451.2	454.4
12.5°	371.5	367.1	362.3	357.9	356.3	354.7	352.6	351.0	361.5	371.9	382.0
15°	267.0	266.2	265.0	264.2	269.4	274.6	279.9	285.1	293.9	302.4	311.2
17.5°	198.6	200.6	202.7	204.7	207.9	211.1	213.9	217.1	223.6	230.4	236.8
20°	154.0	156.8	159.2	161.6	160.8	160.0	158.8	158.0	163.3	168.5	173.3
22.5°	125.9	127.9	130.3	132.3	132.7	133.1	133.5	133.9	137.1	139.9	143.1
25°	107.8	110.2	112.2	114.2	114.6	115.0	115.4	115.8	119.8	123.8	127.5
27.5°	95.3	97.7	100.5	102.9	103.7	104.5	105.4	106.2	108.6	110.6	113.0
30°	84.0	87.3	90.5	93.7	94.9	96.1	97.3	98.5	100.9	103.7	106.2
32.5°	78.4	80.4	82.0	83.6	86.5	88.9	91.7	94.1	96.9	100.1	102.9
35°	72.0	74.0	76.4	78.4	80.4	82.4	84.0	86.0	87.7	89.3	90.5
37.5°	68.0	70.0	71.6	73.2	74.0	74.8	75.2	76.0	76.8	77.6	78.0
40°	64.7	64.3	64.3	63.9	64.7	65.9	66.7	67.6	70.0	72.0	74.4
42.5°	56.3	55.1	54.3	53.1	55.1	56.7	58.7	60.3	63.5	66.7	70.0
45°	47.8	47.0	45.8	45.0	47.8	50.7	53.5	56.3	59.9	63.1	66.7
47.5°	39.4	39.8	39.8	40.2	43.0	45.8	48.3	51.1	54.7	58.3	61.9
50°	33.0	33.8	34.6	35.4	38.2	40.6	43.4	45.8	49.9	53.5	57.5
52.5°	29.0	30.2	31.0	32.2	34.6	37.4	39.8	42.2	45.8	49.5	53.1
55°	26.1	27.7	29.0	30.2	32.2	34.2	36.2	38.2	41.8	45.4	48.7
57.5°	22.9	24.1	25.3	26.5	28.5	30.6	32.2	34.2	37.4	41.0	44.2
60°	20.1	20.9	22.1	22.9	24.5	26.5	28.1	29.8	33.0	36.2	39.0
62.5°	17.7	18.5	18.9	19.3	20.9	22.5	24.1	25.7	28.5	31.8	34.6
65°	15.7	16.1	16.1	16.5	17.7	19.3	20.5	21.7	24.9	27.7	31.0
67.5°	13.3	13.7	13.7	13.7	14.9	16.1	17.3	18.5	21.3	24.5	27.3
70°	10.5	10.9	10.9	10.9	12.1	13.7	14.9	16.1	18.5	20.9	23.3
72.5°	8.0	8.0	8.4	8.4	9.7	11.3	12.5	13.7	15.7	17.7	19.7
75°	5.2	5.6	5.6	6.0	7.2	8.8	10.1	11.3	13.3	15.3	16.9
77.5°	2.0	2.8	3.2	3.6	4.8	6.0	7.2	8.4	10.1	12.1	13.7
80°	0.0	0.4	0.4	0.4	1.2	1.6	2.4	2.8	4.0	5.6	6.8
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: P597015
 CATALOG NUMBER: MSA-SA3A-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: P597015
 CATALOG NUMBER: MSA-SA3A-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0
2.5°	769.6	791.7	813.9	836.0	858.1	885.4	912.8	916.8	920.8	916.0	911.6
5°	795.4	806.2	816.7	827.5	838.0	869.3	900.3	900.7	900.7	901.1	901.1
7.5°	630.5	639.7	649.0	657.8	667.1	687.6	708.1	715.7	723.0	721.4	719.8
10°	457.6	469.7	481.3	493.4	505.0	523.9	542.8	550.1	556.9	579.0	601.5
12.5°	392.4	404.1	415.8	427.0	438.7	458.0	477.3	491.4	505.0	518.7	532.4
15°	319.7	328.9	338.6	347.8	357.1	365.9	374.8	392.0	408.9	422.6	436.3
17.5°	243.3	247.3	250.9	254.9	258.6	262.6	266.6	273.8	280.7	292.7	304.4
20°	178.5	181.7	185.0	187.8	191.0	195.0	199.0	204.3	209.1	211.9	214.3
22.5°	146.0	150.8	155.6	160.0	164.9	167.7	170.5	172.1	173.7	174.9	176.1
25°	131.5	135.9	139.9	144.4	148.4	149.6	150.8	154.0	157.2	157.2	157.2
27.5°	115.0	121.0	127.5	133.5	139.5	141.1	142.3	143.5	144.4	142.7	140.7
30°	108.6	114.6	120.6	126.3	132.3	134.7	136.7	137.9	139.1	137.1	135.1
32.5°	105.8	111.4	116.6	122.2	127.5	130.7	133.5	136.7	139.5	139.9	140.7
35°	92.1	95.7	99.7	103.3	107.0	108.6	110.2	111.4	112.2	112.2	112.2
37.5°	78.8	83.6	88.9	93.7	98.5	102.1	105.8	106.2	106.2	107.0	108.2
40°	76.4	81.2	86.0	90.5	95.3	99.3	102.9	103.3	103.7	104.5	105.4
42.5°	73.2	78.4	83.6	88.9	94.1	98.1	101.7	101.7	101.3	102.5	103.3
45°	70.0	75.2	80.0	85.2	90.1	95.3	100.1	98.9	97.3	99.3	100.9
47.5°	65.5	71.2	76.8	82.0	87.7	92.5	96.9	96.1	94.9	96.9	98.9
50°	61.1	66.7	72.4	78.0	83.6	88.9	93.7	92.9	92.1	94.5	96.5
52.5°	56.7	62.3	68.4	74.0	79.6	84.0	88.1	87.7	87.3	89.7	92.5
55°	52.3	57.5	63.1	68.4	73.6	78.4	82.8	82.0	81.2	83.2	85.2
57.5°	47.4	52.7	57.5	62.7	67.6	71.6	75.2	74.0	72.8	75.2	77.6
60°	42.2	47.0	51.9	56.3	61.1	64.3	67.2	66.3	65.1	67.6	70.0
62.5°	37.4	41.8	46.2	50.3	54.7	57.1	59.5	58.7	57.9	60.3	63.1
65°	33.8	37.4	40.6	44.2	47.4	49.9	52.3	51.1	49.9	52.7	55.1
67.5°	30.2	33.0	36.2	39.0	41.8	43.8	45.8	45.0	43.8	45.8	47.8
70°	25.7	28.5	31.4	33.8	36.6	38.6	40.6	39.4	37.8	39.8	41.8
72.5°	21.7	24.1	26.5	28.5	31.0	32.6	34.2	33.0	31.8	33.4	35.0
75°	18.9	20.9	22.9	24.5	26.5	27.3	28.1	27.7	26.9	28.5	29.8
77.5°	15.3	16.9	18.9	20.5	22.1	22.1	22.1	22.5	22.5	24.1	26.1
80°	8.0	9.7	11.3	12.5	14.1	14.1	13.7	14.5	14.9	16.9	18.9
82.5°	0.0	1.2	2.4	3.6	4.8	4.4	3.6	4.0	4.0	4.8	5.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597015
 CATALOG NUMBER: MSA-SA3A-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: P597015
 CATALOG NUMBER: MSA-SA3A-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°	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0
2.5°	906.7	901.9	898.7	895.9	892.7	889.4	893.5	897.5	901.1	905.1	917.2
5°	901.5	901.5	898.7	895.9	893.1	890.3	896.3	901.9	907.9	913.6	913.2
7.5°	717.7	716.1	733.0	749.5	766.4	782.9	787.3	791.7	795.8	800.2	799.0
10°	623.7	645.8	653.0	660.2	667.5	674.7	683.6	692.4	701.3	710.1	713.3
12.5°	546.1	559.7	583.0	606.0	629.3	652.2	663.9	675.9	687.6	699.3	722.2
15°	450.0	463.6	483.7	503.8	523.9	544.0	562.5	581.4	599.9	618.4	646.2
17.5°	316.5	328.1	343.4	358.7	373.6	388.8	417.4	445.9	474.5	503.0	532.4
20°	217.1	219.5	226.8	234.4	241.7	248.9	274.6	300.8	326.5	352.2	390.8
22.5°	176.9	178.1	181.7	185.4	188.6	192.2	205.5	219.1	232.4	245.7	277.0
25°	156.8	156.8	159.2	161.6	164.1	166.5	173.7	180.9	187.8	195.0	215.1
27.5°	139.1	137.1	140.7	144.4	148.0	151.6	156.8	162.4	167.7	172.9	186.6
30°	133.1	131.1	135.5	139.9	144.4	148.8	154.0	159.2	164.1	169.3	178.5
32.5°	141.1	141.5	143.1	144.8	146.0	147.6	150.0	152.8	155.2	157.6	165.7
35°	112.2	112.2	115.0	117.8	120.2	123.0	127.5	131.9	136.3	140.7	149.2
37.5°	109.0	109.8	112.2	115.0	117.4	119.8	125.5	131.5	137.1	142.7	149.6
40°	105.8	106.6	109.8	113.0	116.2	119.4	125.1	130.3	135.9	141.1	147.6
42.5°	104.5	105.4	109.4	113.8	117.8	121.8	126.7	131.5	135.9	140.7	149.6
45°	102.9	104.5	109.4	114.6	119.4	124.2	128.7	133.1	137.5	141.9	152.8
47.5°	100.5	102.5	108.2	113.4	119.0	124.2	132.7	141.5	150.0	158.4	163.7
50°	98.9	100.9	107.0	113.0	119.0	125.1	138.7	152.4	165.7	179.3	176.5
52.5°	94.9	97.3	104.9	112.6	120.2	127.9	139.9	152.0	164.1	176.1	170.5
55°	87.3	89.3	98.1	107.0	115.4	124.2	133.1	141.9	150.4	159.2	152.8
57.5°	79.6	82.0	90.5	98.9	107.0	115.4	119.8	124.2	128.7	133.1	130.7
60°	72.4	74.8	86.0	97.3	108.6	119.8	115.8	111.8	107.4	103.3	106.2
62.5°	65.5	68.0	78.8	89.3	100.1	110.6	104.9	99.3	93.7	88.1	92.5
65°	57.9	60.3	64.3	68.8	72.8	76.8	76.4	75.6	75.2	74.4	79.2
67.5°	49.9	51.9	53.9	56.3	58.3	60.3	61.5	63.1	64.3	65.5	69.6
70°	43.4	45.4	47.8	49.9	52.3	54.3	55.1	55.9	56.3	57.1	60.7
72.5°	36.2	37.8	41.0	44.2	47.0	50.3	50.7	50.7	51.1	51.1	53.9
75°	31.4	32.6	35.0	37.4	39.4	41.8	43.0	44.2	45.0	46.2	47.8
77.5°	27.7	29.4	30.2	30.6	31.4	31.8	32.6	33.4	34.2	35.0	35.4
80°	20.5	22.5	23.3	23.7	24.5	24.9	24.9	24.5	24.5	24.1	24.5
82.5°	6.4	7.2	8.4	9.7	10.9	12.1	12.5	12.9	12.9	13.3	12.9
85°	1.2	1.6	2.4	3.2	3.6	4.4	4.0	3.2	2.8	2.0	1.6
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: P597015
 CATALOG NUMBER: MSA-SA3A-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: P597015
 CATALOG NUMBER: MSA-SA3A-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0
2.5°	929.3	940.9	953.0	948.2	943.3	938.5	933.7	934.5	935.7	936.5	937.3
5°	912.8	912.0	911.6	925.2	939.3	953.0	966.6	981.5	996.8	1011.7	1026.6
7.5°	797.8	796.2	795.0	812.6	830.3	848.0	865.7	886.2	907.1	927.6	948.2
10°	716.5	719.8	723.0	730.2	737.9	745.1	752.3	772.0	791.7	811.0	830.7
12.5°	745.1	767.6	790.5	795.0	799.0	803.4	807.4	810.2	813.0	815.9	818.7
15°	674.3	702.1	729.8	741.5	752.7	764.4	775.7	805.4	834.8	864.5	893.9
17.5°	561.7	590.7	620.0	655.0	690.0	725.0	760.0	792.1	824.3	856.5	888.6
20°	429.8	468.4	507.0	551.3	595.9	640.1	684.4	716.5	748.3	780.5	812.2
22.5°	308.8	340.2	371.5	425.0	478.1	531.6	584.7	640.5	696.8	752.7	808.6
25°	235.2	254.9	275.0	327.7	380.4	432.7	485.3	562.1	638.9	715.7	792.5
27.5°	199.8	213.5	226.8	274.2	321.7	368.7	416.2	507.5	598.7	690.0	781.3
30°	188.2	197.4	206.7	246.9	287.5	327.7	367.9	460.4	552.9	645.4	737.9
32.5°	173.7	181.3	189.4	224.8	260.2	295.1	330.5	421.0	511.5	601.5	692.0
35°	157.2	165.7	173.7	209.1	244.5	279.5	314.8	408.5	502.2	595.9	689.6
37.5°	156.0	162.9	169.3	210.3	251.7	292.7	333.7	427.4	521.1	614.4	708.1
40°	154.4	160.8	167.3	209.1	250.5	292.3	333.7	431.9	530.0	628.1	726.2
42.5°	158.4	166.9	175.7	212.7	249.7	286.3	323.3	426.6	530.0	632.9	736.2
45°	164.1	174.9	185.8	219.5	253.3	287.1	320.9	433.1	545.2	657.0	769.2
47.5°	169.3	174.5	179.7	211.9	243.7	275.8	307.6	422.2	536.8	651.4	766.0
50°	174.1	171.3	168.5	203.9	239.2	274.2	309.6	419.0	528.0	637.3	746.3
52.5°	164.5	158.8	152.8	190.6	228.4	265.8	303.6	413.8	523.9	634.1	744.3
55°	146.4	139.9	133.5	170.9	207.9	245.3	282.3	392.0	501.8	611.6	721.4
57.5°	127.9	125.5	122.6	151.2	179.7	207.9	236.4	358.3	480.5	602.3	724.2
60°	109.0	111.4	114.2	134.7	155.2	175.3	195.8	315.2	434.3	553.7	672.7
62.5°	96.5	100.9	104.9	122.2	139.9	157.2	174.5	287.1	399.7	512.3	624.9
65°	84.4	89.3	94.1	114.6	135.5	156.0	176.5	271.8	367.1	462.4	557.7
67.5°	73.6	77.2	81.2	108.2	135.1	162.0	189.0	267.0	344.6	422.6	500.2
70°	64.3	67.6	71.2	102.5	133.9	165.3	196.6	263.0	329.7	396.1	462.4
72.5°	56.7	59.5	62.3	94.1	125.9	157.6	189.4	248.5	307.2	366.3	425.0
75°	49.5	50.7	52.3	79.2	105.8	132.7	159.2	198.6	238.4	277.9	317.3
77.5°	35.8	35.8	36.2	44.2	51.9	59.9	67.6	92.1	116.6	140.7	165.3
80°	24.5	24.9	24.9	28.1	31.0	34.2	37.0	42.2	47.0	52.3	57.1
82.5°	12.5	11.7	11.3	14.5	17.7	20.9	24.1	25.3	26.1	27.3	28.1
85°	1.2	0.4	0.0	2.0	4.0	6.0	8.0	9.7	11.3	12.9	14.5
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: P597015
 CATALOG NUMBER: MSA-SA3A-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: P597015

CATALOG NUMBER: MSA-SA3A-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°	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0
2.5°	934.1	930.9	927.6	924.4	944.1	964.2	983.9	1003.6	1059.5	1096.1	1092.1
5°	1041.0	1055.5	1070.0	1084.5	1107.8	1131.5	1154.8	1178.2	1261.0	1311.7	1318.9
7.5°	970.7	992.8	1015.3	1037.4	1082.5	1127.1	1172.1	1216.8	1284.7	1337.4	1367.1
10°	856.1	881.4	906.3	931.7	982.3	1033.4	1084.1	1134.7	1211.1	1283.9	1321.3
12.5°	858.5	898.3	938.1	977.9	1022.1	1066.4	1110.2	1154.4	1201.1	1225.6	1278.3
15°	925.2	956.6	988.0	1019.3	1077.2	1135.1	1192.6	1250.5	1278.3	1337.4	1398.9
17.5°	949.8	1011.3	1072.4	1133.5	1205.9	1277.9	1350.3	1422.2	1474.5	1556.5	1620.1
20°	904.3	996.4	1088.1	1180.2	1279.5	1378.8	1478.1	1577.4	1634.5	1712.5	1810.7
22.5°	906.3	1004.0	1101.4	1199.1	1336.2	1472.9	1610.0	1746.7	1899.9	2050.3	2098.2
25°	920.4	1048.3	1175.7	1303.6	1462.0	1620.5	1778.9	1937.3	2122.3	2280.3	2343.8
27.5°	925.2	1069.2	1212.7	1356.7	1581.9	1807.0	2032.2	2257.4	2478.1	2656.7	2724.6
30°	913.6	1089.7	1265.4	1441.1	1717.4	1993.6	2269.9	2546.1	2755.6	2963.5	3047.9
32.5°	916.4	1140.8	1365.1	1589.5	1914.8	2240.5	2565.8	2891.1	3025.0	3212.4	3361.2
35°	935.7	1181.8	1427.5	1673.5	2033.4	2393.3	2753.2	3113.1	3332.6	3530.4	3656.7
37.5°	980.7	1253.3	1525.6	1798.2	2240.5	2683.2	3125.5	3567.8	3907.6	4247.4	4305.3
40°	1014.1	1302.0	1589.9	1877.8	2391.3	2904.8	3418.3	3931.7	4316.1	4684.9	4724.3
42.5°	1051.9	1367.1	1682.8	1998.0	2572.2	3146.4	3720.6	4294.8	4740.0	5115.9	5142.1
45°	1093.3	1417.8	1741.9	2066.0	2667.5	3268.7	3870.2	4471.4	4991.3	5428.0	5329.4
47.5°	1113.0	1460.0	1807.0	2154.1	2799.0	3443.6	4088.6	4733.1	5199.6	5584.8	5469.8
50°	1128.3	1509.9	1891.9	2273.5	2949.8	3626.1	4302.5	4978.8	5446.4	5801.9	5621.8
52.5°	1171.3	1597.9	2025.0	2451.6	3171.0	3889.9	4609.3	5328.2	5780.6	6107.1	5854.6
55°	1213.1	1704.5	2196.3	2687.6	3461.3	4235.3	5009.0	5782.6	6233.0	6512.8	6169.8
57.5°	1265.8	1807.8	2349.5	2891.1	3718.6	4546.1	5373.3	6200.8	6641.1	6950.3	6594.0
60°	1252.1	1831.2	2410.6	2989.6	3832.4	4675.2	5518.0	6360.8	6884.0	7263.9	7022.3
62.5°	1199.1	1773.3	2347.1	2921.3	3749.2	4576.7	5404.6	6232.2	6859.0	7373.7	7292.5
65°	1091.7	1625.3	2159.3	2692.9	3483.4	4274.3	5064.9	5855.4	6629.0	7284.0	7313.0
67.5°	950.6	1400.9	1850.9	2301.2	3038.7	3776.1	4513.2	5250.6	6163.8	6927.8	7013.8
70°	801.0	1139.2	1477.7	1815.9	2464.9	3113.9	3762.5	4411.4	5360.8	6129.6	6292.1
72.5°	642.2	859.7	1076.8	1294.0	1762.4	2230.5	2698.9	3166.9	4002.1	4598.8	4882.3
75°	416.2	515.1	614.0	712.9	1025.0	1336.6	1648.6	1960.2	2514.7	2954.2	3274.7
77.5°	185.4	205.5	225.2	245.3	486.1	727.0	967.9	1208.7	1449.6	1715.0	1790.2
80°	66.3	75.2	84.4	93.3	211.5	330.1	448.3	566.6	683.2	820.3	853.7
82.5°	27.7	27.7	27.3	26.9	69.2	111.4	153.6	195.8	226.4	260.2	266.6
85°	11.3	8.4	5.2	2.0	8.8	16.1	22.9	29.8	47.8	43.4	80.4
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: P597015
 CATALOG NUMBER: MSA-SA3A-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: P597015

CATALOG NUMBER: MSA-SA3A-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0
2.5°	1076.8	1076.0	1075.2	1074.4	1073.6	1059.1	1045.1	1030.6	1016.5	1034.2	1051.9
5°	1307.2	1328.1	1349.0	1370.4	1391.3	1397.3	1403.3	1409.4	1415.4	1428.3	1441.1
7.5°	1392.1	1427.5	1462.4	1497.8	1532.8	1565.4	1597.5	1630.1	1662.7	1654.6	1646.6
10°	1362.7	1426.7	1490.6	1554.9	1618.9	1632.9	1647.0	1661.5	1675.6	1712.1	1748.7
12.5°	1331.0	1407.8	1484.6	1561.4	1638.2	1680.8	1723.0	1765.6	1808.2	1845.2	1882.2
15°	1481.7	1530.8	1579.9	1629.3	1678.4	1715.8	1752.8	1790.2	1827.1	1852.9	1878.2
17.5°	1680.0	1704.1	1728.2	1752.8	1776.9	1806.2	1835.6	1864.9	1894.3	1909.6	1924.9
20°	1889.5	1899.9	1910.4	1920.8	1931.3	1908.0	1884.6	1861.3	1838.0	1852.5	1866.5
22.5°	2099.8	2103.4	2107.4	2111.0	2114.6	2060.4	2006.1	1951.8	1897.5	1874.6	1851.7
25°	2423.5	2396.9	2370.4	2343.8	2317.3	2253.0	2188.6	2124.3	2060.0	2003.3	1946.6
27.5°	2774.1	2684.0	2594.4	2504.3	2414.6	2350.3	2285.9	2221.6	2157.3	2072.0	1986.8
30°	3127.5	2982.4	2837.6	2692.5	2547.7	2471.3	2394.9	2318.1	2241.7	2156.5	2071.6
32.5°	3451.6	3277.1	3102.6	2927.7	2753.2	2624.5	2495.8	2367.2	2238.5	2179.0	2119.5
35°	3720.2	3514.0	3307.7	3101.0	2894.7	2767.3	2639.8	2512.3	2384.9	2296.4	2208.3
37.5°	4179.4	3947.4	3715.4	3483.4	3251.4	3077.3	2903.6	2729.5	2555.3	2496.2	2437.1
40°	4602.8	4310.5	4018.2	3725.9	3433.5	3287.6	3142.0	2996.0	2850.5	2753.6	2657.1
42.5°	4939.4	4631.4	4323.8	4015.8	3707.8	3563.4	3419.5	3275.1	3130.8	3066.0	3001.7
45°	5012.2	4721.9	4431.9	4141.6	3851.3	3767.3	3683.6	3599.6	3516.0	3471.3	3427.1
47.5°	5155.7	4840.9	4526.4	4211.6	3896.8	3859.0	3821.2	3783.0	3745.2	3766.5	3787.8
50°	5236.2	4914.9	4593.6	4272.3	3951.0	3961.9	3972.3	3983.2	3994.1	4145.3	4296.0
52.5°	5392.2	5067.7	4743.2	4418.7	4094.2	4162.5	4230.5	4298.9	4366.8	4575.1	4783.0
55°	5670.8	5352.0	5033.1	4713.8	4395.0	4485.0	4575.1	4665.6	4755.6	4976.8	5197.5
57.5°	6083.8	5767.3	5451.3	5134.8	4818.8	4908.4	4998.1	5087.8	5177.4	5377.3	5576.7
60°	6603.7	6278.8	5954.3	5629.4	5304.9	5338.7	5372.1	5405.8	5439.6	5654.3	5868.7
62.5°	7008.6	6709.8	6411.5	6112.7	5814.4	5777.0	5740.0	5702.6	5665.6	5828.8	5991.7
65°	7102.7	6892.4	6682.5	6472.2	6261.9	6146.9	6032.3	5917.3	5802.3	5868.3	5934.2
67.5°	6833.3	6691.4	6549.8	6407.9	6265.9	6025.9	5785.8	5545.4	5305.3	5270.3	5235.3
70°	6208.0	6130.4	6053.2	5975.6	5898.4	5528.5	5158.9	4789.0	4419.5	4330.6	4241.8
72.5°	4898.8	4947.0	4995.3	5043.9	5092.2	4696.1	4300.5	3904.4	3508.3	3395.7	3283.6
75°	3454.4	3618.1	3781.8	3945.4	4109.1	3748.0	3387.3	3026.2	2665.1	2557.0	2449.2
77.5°	1873.0	2179.8	2486.6	2793.4	3100.2	2802.2	2504.7	2206.7	1908.8	1833.6	1758.8
80°	887.8	1064.8	1241.3	1418.2	1595.1	1528.0	1460.8	1393.3	1326.1	1342.6	1359.1
82.5°	272.2	400.1	528.0	655.8	783.7	793.7	803.4	813.4	823.5	848.4	873.0
85°	91.3	125.1	158.8	192.6	226.4	285.9	345.4	405.3	464.8	426.2	388.0
87.5°	0.0	1.2	2.0	3.2	4.0	12.5	20.9	29.4	37.8	32.6	27.7
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: P597015
 CATALOG NUMBER: MSA-SA3A-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: P597015

CATALOG NUMBER: MSA-SA3A-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°	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0
2.5°	1070.0	1087.7	1088.1	1088.9	1089.3	1089.7	1091.7	1093.7	1096.1	1098.1	1084.9
5°	1454.4	1467.3	1443.5	1419.8	1395.7	1372.0	1393.3	1414.6	1435.9	1457.2	1448.0
7.5°	1638.2	1630.1	1627.3	1624.9	1622.1	1619.7	1627.7	1635.7	1643.8	1651.8	1651.0
10°	1785.3	1821.9	1830.8	1839.6	1848.9	1857.7	1839.2	1820.7	1802.2	1783.7	1776.1
12.5°	1919.2	1956.2	1985.6	2014.9	2044.7	2074.0	2047.5	2021.4	1994.8	1968.7	1943.8
15°	1903.9	1929.3	1953.4	1977.5	2001.7	2025.8	2016.9	2008.5	1999.6	1990.8	1986.8
17.5°	1940.5	1955.8	1950.2	1944.6	1938.5	1932.9	1930.1	1927.7	1924.9	1922.0	1912.4
20°	1881.0	1895.5	1891.9	1888.7	1885.0	1881.4	1879.0	1876.6	1874.2	1871.8	1864.1
22.5°	1828.8	1805.8	1799.8	1794.2	1788.1	1782.5	1783.3	1784.1	1784.5	1785.3	1819.9
25°	1889.9	1833.2	1811.1	1788.9	1766.4	1744.3	1754.4	1764.0	1774.1	1784.1	1834.0
27.5°	1901.1	1815.9	1780.5	1745.1	1709.7	1674.3	1710.5	1746.7	1782.9	1819.1	1899.9
30°	1986.4	1901.5	1852.1	1803.0	1753.6	1704.5	1750.7	1797.0	1843.2	1889.5	1977.1
32.5°	2059.6	2000.0	1964.7	1929.3	1893.9	1858.5	1860.5	1862.1	1864.1	1866.1	1989.6
35°	2119.9	2031.8	1999.6	1967.9	1935.7	1903.9	1951.8	1999.6	2047.5	2095.3	2206.3
37.5°	2378.0	2318.9	2259.8	2201.1	2142.0	2083.3	2121.5	2159.7	2198.3	2236.5	2359.1
40°	2560.2	2463.7	2448.4	2433.5	2418.2	2403.4	2423.1	2442.4	2462.1	2481.8	2589.1
42.5°	2936.9	2872.2	2830.8	2789.8	2748.4	2707.3	2723.0	2738.7	2754.8	2770.5	2872.2
45°	3382.5	3337.8	3310.5	3283.1	3255.4	3228.1	3204.3	3181.0	3157.3	3134.0	3237.3
47.5°	3809.1	3830.4	3890.7	3950.6	4011.0	4070.9	4021.8	3972.8	3923.3	3874.2	3874.6
50°	4447.2	4598.0	4628.6	4658.7	4689.3	4719.5	4614.9	4510.4	4405.4	4300.9	4288.4
52.5°	4991.3	5199.2	5210.0	5220.9	5232.1	5243.0	5200.8	5158.5	5115.9	5073.7	4961.5
55°	5418.7	5639.5	5654.3	5668.8	5683.7	5698.2	5661.2	5624.6	5587.6	5550.6	5437.2
57.5°	5776.6	5976.0	5984.9	5993.3	6002.2	6011.0	6013.8	6016.6	6019.8	6022.7	5869.5
60°	6083.4	6298.1	6280.4	6263.1	6245.4	6228.1	6201.6	6175.1	6148.5	6122.0	6023.1
62.5°	6154.9	6318.2	6290.9	6263.9	6236.6	6209.6	6187.1	6165.0	6142.5	6120.0	6056.8
65°	6000.1	6066.1	6037.9	6009.8	5981.2	5953.1	5938.6	5924.5	5910.1	5895.6	5887.6
67.5°	5200.0	5165.0	5198.4	5231.7	5265.1	5298.5	5343.9	5389.4	5435.2	5480.6	5454.1
70°	4152.5	4063.6	4100.6	4137.2	4174.2	4210.8	4279.6	4348.3	4417.5	4486.2	4467.7
72.5°	3171.0	3058.4	3063.6	3068.8	3074.5	3079.7	3077.7	3076.1	3074.1	3072.0	3104.2
75°	2341.0	2232.9	2181.8	2130.7	2079.7	2028.6	2016.1	2003.7	1991.2	1978.7	2038.6
77.5°	1683.6	1608.8	1573.8	1539.2	1504.3	1469.7	1487.4	1505.1	1523.2	1540.8	1561.8
80°	1376.0	1392.5	1365.5	1339.0	1312.1	1285.1	1305.2	1324.9	1345.0	1365.1	1302.8
82.5°	897.9	922.4	839.6	756.8	673.9	591.1	641.3	691.6	742.3	792.5	766.8
85°	349.4	311.2	265.4	219.9	174.1	128.3	166.9	205.5	244.1	282.7	308.4
87.5°	22.5	17.7	14.1	10.5	6.4	2.8	6.0	9.2	12.9	16.1	26.9
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: P597015
 CATALOG NUMBER: MSA-SA3A-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: P597015

CATALOG NUMBER: MSA-SA3A-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0
2.5°	1072.0	1058.7	1045.9	1020.5	995.2	969.9	944.5	979.9	1015.3	1050.7	1086.1
5°	1439.1	1429.9	1421.0	1423.4	1425.8	1428.7	1431.1	1436.3	1441.5	1446.4	1451.6
7.5°	1650.6	1649.8	1649.0	1630.5	1612.0	1593.1	1574.6	1583.9	1593.1	1602.4	1611.6
10°	1768.8	1761.2	1753.6	1712.9	1672.3	1631.3	1590.7	1573.0	1554.9	1537.2	1519.5
12.5°	1918.8	1893.5	1868.6	1825.1	1782.1	1738.7	1695.3	1679.2	1662.7	1646.6	1630.1
15°	1983.2	1979.1	1975.5	1944.6	1913.2	1882.2	1850.9	1795.8	1740.3	1685.2	1630.1
17.5°	1902.7	1892.7	1883.0	1932.1	1980.7	2029.8	2078.9	2021.8	1964.7	1907.6	1850.5
20°	1856.5	1848.9	1841.2	1932.5	2023.4	2114.6	2205.5	2180.2	2154.5	2129.1	2103.8
22.5°	1854.5	1889.5	1924.0	2004.1	2083.7	2163.7	2243.3	2287.1	2331.4	2375.2	2419.0
25°	1883.8	1934.1	1984.0	2116.7	2249.3	2382.4	2515.1	2565.4	2615.3	2665.5	2715.4
27.5°	1980.3	2061.2	2141.6	2257.4	2373.2	2489.4	2605.2	2715.0	2825.2	2934.9	3044.7
30°	2064.4	2152.0	2239.7	2377.6	2515.1	2653.1	2790.6	2928.1	3065.6	3203.1	3340.6
32.5°	2113.0	2236.9	2360.3	2528.0	2695.3	2863.0	3030.6	3181.4	3332.2	3482.6	3633.4
35°	2317.3	2428.7	2539.7	2725.0	2910.4	3096.2	3281.5	3468.1	3654.7	3840.9	4027.4
37.5°	2481.8	2604.8	2727.4	2930.1	3132.4	3335.0	3537.7	3795.4	4053.6	4311.3	4569.1
40°	2696.5	2803.8	2911.2	3101.0	3290.4	3480.2	3670.0	3996.9	4323.8	4650.3	4977.2
42.5°	2973.5	3075.3	3177.0	3380.1	3583.1	3786.2	3989.2	4351.1	4713.0	5074.5	5436.4
45°	3340.6	3444.4	3547.7	3709.4	3871.0	4032.7	4194.3	4579.1	4963.5	5348.3	5732.7
47.5°	3875.0	3875.4	3875.8	3992.5	4109.1	4226.1	4342.7	4730.3	5117.5	5505.2	5892.4
50°	4275.9	4263.1	4250.6	4310.9	4370.8	4431.1	4491.5	4848.1	5205.2	5561.9	5918.5
52.5°	4849.7	4737.5	4625.8	4661.5	4696.9	4732.7	4768.1	5070.1	5372.5	5674.4	5976.4
55°	5324.2	5210.8	5097.4	5084.2	5070.9	5057.6	5044.3	5322.2	5600.1	5877.9	6155.8
57.5°	5716.7	5563.5	5410.7	5380.1	5349.9	5319.4	5288.8	5582.0	5874.7	6167.8	6460.5
60°	5924.5	5825.6	5726.7	5707.0	5686.9	5667.2	5647.1	5887.6	6128.0	6368.5	6608.9
62.5°	5994.1	5931.0	5868.3	5905.2	5942.2	5979.6	6016.6	6122.4	6227.7	6333.5	6438.8
65°	5879.9	5871.9	5863.8	5939.8	6015.4	6091.4	6167.4	6141.3	6114.7	6088.6	6062.5
67.5°	5428.0	5401.4	5375.3	5542.1	5708.6	5875.5	6042.4	5915.7	5788.6	5662.0	5535.3
70°	4449.2	4430.3	4411.8	4652.3	4892.8	5133.6	5374.1	5220.5	5066.9	4913.3	4759.7
72.5°	3136.0	3168.1	3200.3	3483.8	3766.9	4050.4	4333.4	4178.6	4023.8	3869.0	3714.2
75°	2098.2	2158.1	2218.0	2509.9	2801.8	3094.2	3386.1	3204.3	3022.6	2840.8	2659.1
77.5°	1582.7	1603.6	1624.5	1809.0	1993.6	2178.6	2363.1	2213.2	2062.8	1912.8	1762.4
80°	1240.5	1177.8	1115.4	1176.1	1236.9	1297.6	1358.3	1268.6	1179.0	1089.7	1000.0
82.5°	741.1	715.3	689.6	722.6	755.1	788.1	821.1	782.5	743.5	704.9	665.9
85°	333.7	359.5	384.8	418.2	451.2	484.5	517.9	464.0	410.1	356.3	302.4
87.5°	37.4	48.3	59.1	73.2	87.3	101.3	115.4	90.1	64.3	39.0	13.7
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



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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°	850.0	850.0
2.5°	1106.6	1127.1
5°	1451.2	1450.4
7.5°	1587.5	1563.0
10°	1497.0	1474.5
12.5°	1572.6	1515.1
15°	1586.7	1543.3
17.5°	1779.7	1708.5
20°	2012.5	1920.8
22.5°	2293.6	2167.7
25°	2565.8	2416.2
27.5°	2955.0	2865.0
30°	3249.8	3158.5
32.5°	3571.5	3509.5
35°	3965.9	3904.0
37.5°	4585.1	4600.8
40°	4986.8	4996.5
42.5°	5473.8	5511.2
45°	5774.6	5816.4
47.5°	5950.7	6009.0
50°	6012.6	6106.7
52.5°	6092.6	6208.4
55°	6284.8	6413.9
57.5°	6563.5	6666.4
60°	6613.7	6618.6
62.5°	6364.4	6290.1
65°	5983.3	5904.0
67.5°	5487.5	5439.2
70°	4696.1	4632.6
72.5°	3596.0	3477.8
75°	2512.7	2366.4
77.5°	1685.6	1608.8
80°	1002.4	1004.4
82.5°	684.4	702.5
85°	298.8	294.7
87.5°	9.7	5.2
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: P597015
CATALOG NUMBER: MSA-SA3A-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)