

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: P597147

Luminaire Tested: **MSA-SA4C-835-U-SLR-HSS**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P597147
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-SA4C-835-U-SLR-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (4) 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: 14470 lumens
Efficiency: N/A
Efficacy: 64.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

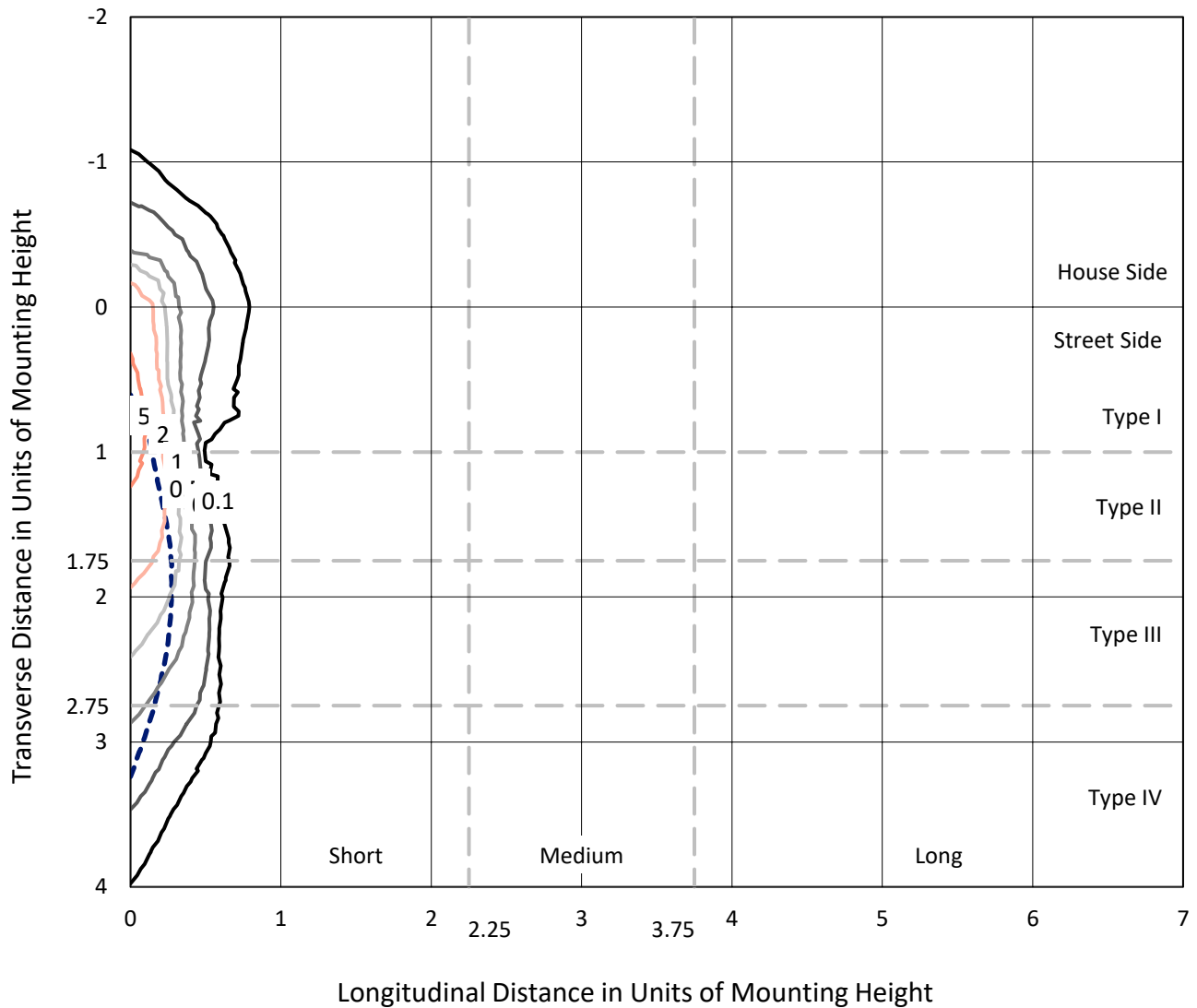
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

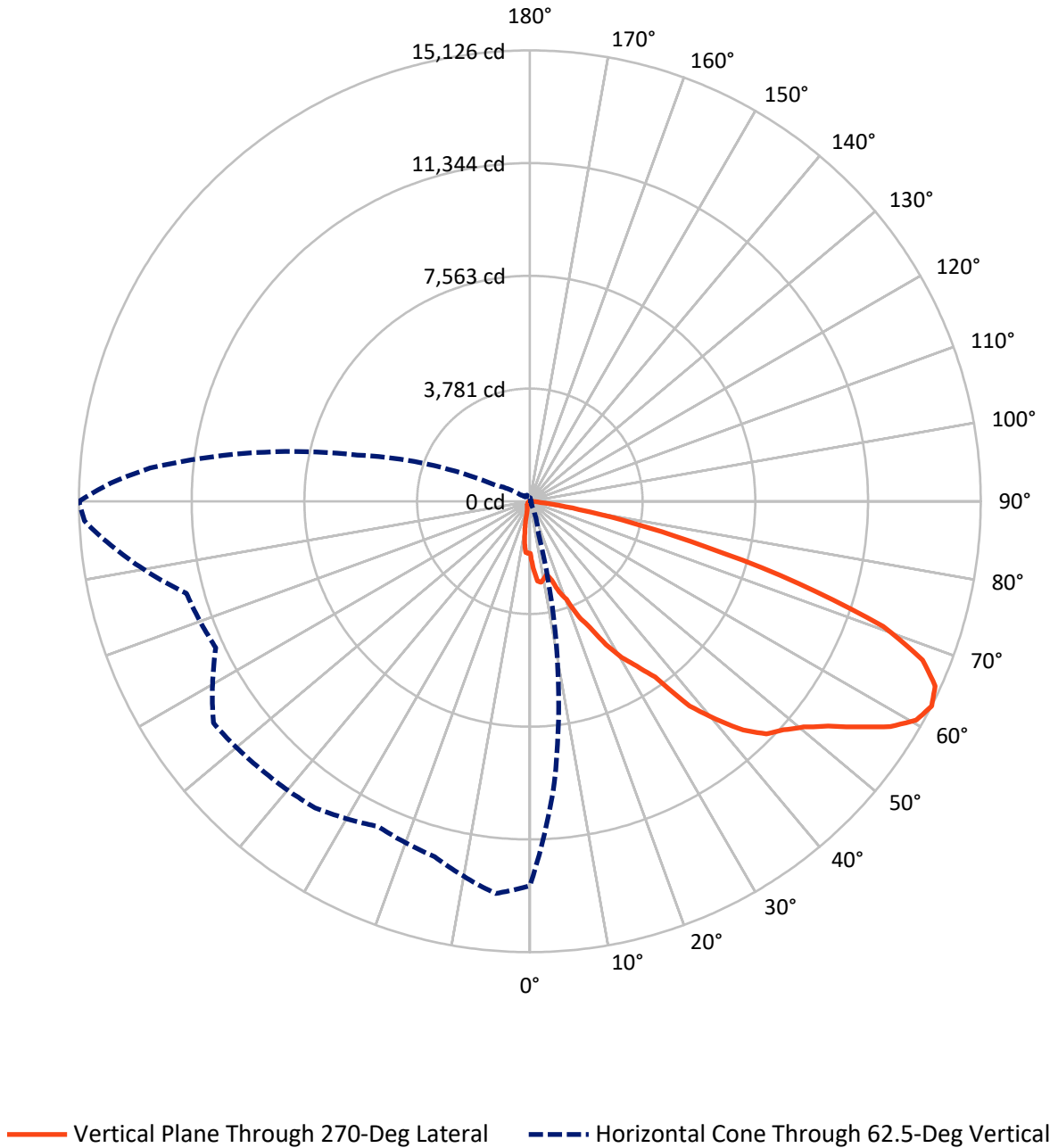
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	2416.3	0.0	2416.3
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	12053.7	0.0	12053.7
	% Fixture	83.3	0.0	83.3
Total	Lumens	14470.0	0.0	14470.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.8	1.3
10°-20°	508.9	3.5
20°-30°	822.6	5.7
30°-40°	1377.7	9.5
40°-50°	2252.2	15.6
50°-60°	3334.0	23.0
60°-70°	3827.5	26.5
70°-80°	1892.5	13.1
80°-90°	259.9	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°	14470.0	100.0
0°-180°	14470.0	100.0

Coefficient of Utilization



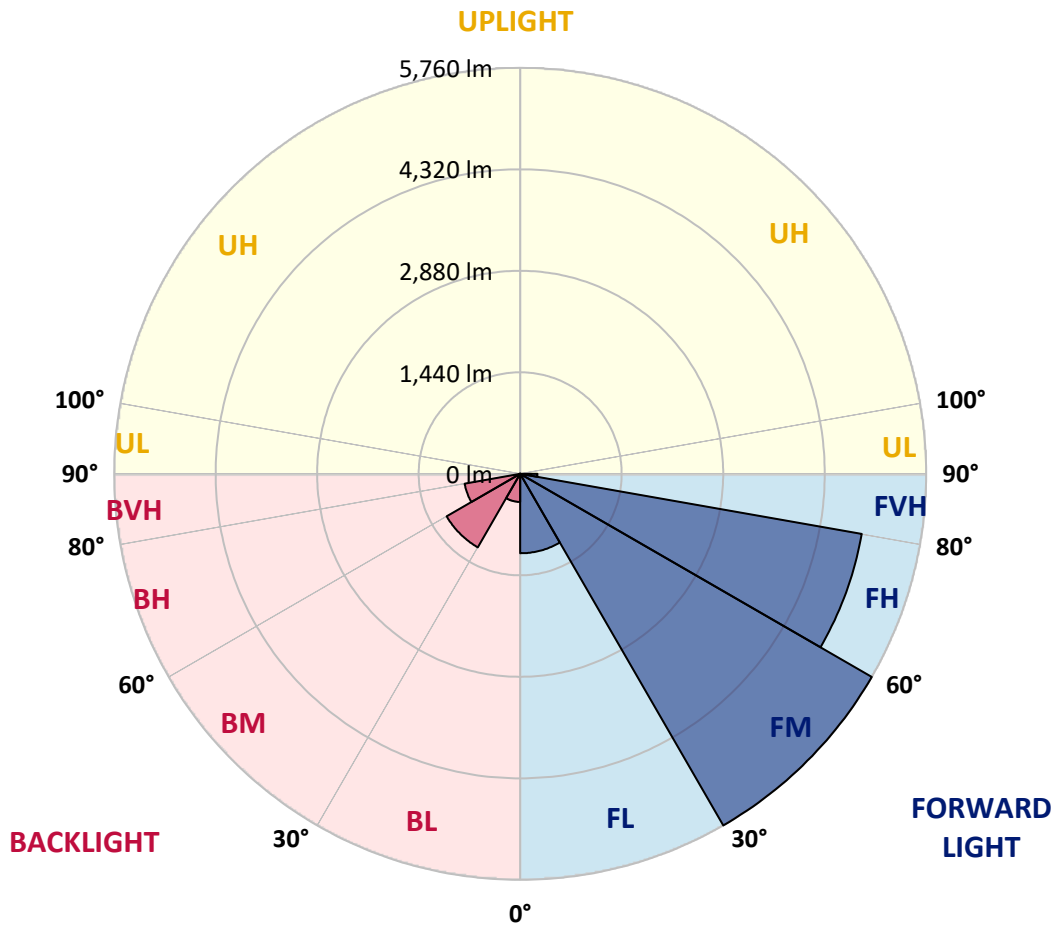
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1127.3	7.8			
FM (30°-60°)	5759.8	39.8			
FH (60°-80°)	4920.5	34.0			G2/5000
FVH (80°-90°)	246.1	1.7			G3/500
BL (0°-30°)	399.0	2.8	B1/500		
BM (30°-60°)	1204.0	8.3	B2/2500		
BH (60°-80°)	799.4	5.5	B2/1000		G2/1000
BVH (80°-90°)	13.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

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°	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7
2.5°	2312.0	2340.9	2368.9	2315.3	2261.7	2208.1	2154.5	2106.6	2058.8	2010.1	1962.3
5°	2975.2	2922.4	2869.6	2797.0	2724.4	2651.8	2579.3	2545.4	2511.6	2477.8	2444.0
7.5°	3206.1	3112.1	3017.2	2952.9	2889.4	2825.1	2760.7	2659.3	2557.0	2455.5	2353.3
10°	3024.7	2924.9	2824.2	2768.1	2712.1	2656.0	2599.9	2473.7	2346.7	2220.5	2093.4
12.5°	3108.0	2999.9	2891.9	2776.4	2660.9	2545.4	2430.0	2333.5	2236.1	2139.6	2042.3
15°	3165.7	3042.0	2917.4	2785.5	2653.5	2521.5	2389.5	2275.7	2162.7	2048.9	1935.1
17.5°	3504.7	3327.4	3150.0	2947.1	2744.2	2541.3	2338.4	2206.4	2075.3	1943.3	1811.3
20°	3940.2	3688.7	3436.3	3161.6	2886.9	2612.3	2337.6	2173.4	2009.3	1845.2	1681.0
22.5°	4446.7	4132.4	3817.3	3478.3	3140.1	2801.1	2462.1	2226.2	1990.3	1754.4	1518.5
25°	4956.4	4672.7	4389.0	3932.8	3476.7	3019.7	2563.6	2264.2	1963.9	1664.5	1364.3
27.5°	5877.0	5369.7	4862.4	4281.7	3701.9	3121.2	2540.5	2197.4	1854.2	1510.3	1167.1
30°	6479.1	6088.9	5698.0	4930.9	4164.6	3397.5	2630.4	2195.7	1761.0	1325.5	890.8
32.5°	7199.2	6628.4	6056.8	5224.5	4392.3	3560.0	2727.7	2217.2	1705.8	1195.2	683.8
35°	8008.3	7387.2	6766.1	5712.0	4657.8	3602.9	2548.7	2053.8	1558.9	1064.0	569.1
37.5°	9437.8	8398.5	7359.2	6130.2	4900.3	3671.3	2441.5	1947.4	1452.5	958.5	463.6
40°	10249.4	9257.1	8264.9	6729.0	5193.2	3657.3	2121.5	1682.7	1244.7	805.9	367.1
42.5°	11305.2	10046.5	8787.0	7070.5	5354.0	3637.5	1921.0	1515.2	1109.4	702.8	296.9
45°	11931.2	10505.1	9079.0	7219.0	5359.0	3499.0	1638.9	1287.6	936.2	584.8	233.4
47.5°	12326.3	10896.1	9465.8	7468.9	5472.8	3475.9	1478.9	1155.6	832.3	508.9	185.6
50°	12526.8	11092.4	9657.2	7605.0	5552.8	3499.8	1447.6	1125.9	803.4	481.7	159.2
52.5°	12735.5	11352.2	9968.1	7840.9	5713.6	3586.4	1459.1	1130.8	803.4	475.1	146.8
55°	13157.0	11792.7	10427.6	8179.1	5930.6	3682.1	1433.6	1110.2	786.9	462.7	139.4
57.5°	13675.0	12216.6	10757.5	8426.5	6095.5	3764.6	1433.6	1108.6	783.6	457.8	132.8
60°	13576.8	11993.9	10410.3	8148.6	5886.9	3624.3	1362.6	1053.3	744.8	435.5	126.2
62.5°	12902.9	11184.8	9465.8	7375.7	5284.7	3194.6	1103.6	857.0	610.4	362.9	116.3
65°	12111.1	10287.4	8462.8	6539.3	4615.0	2691.4	767.1	602.1	436.3	271.4	105.6
67.5°	11157.6	9212.6	7267.6	5556.9	3847.0	2136.3	425.6	343.1	260.6	177.3	94.9
70°	9502.9	7495.3	5486.8	4172.0	2858.1	1543.3	228.5	193.0	157.5	122.1	86.6
72.5°	7134.0	5294.6	3455.2	2624.6	1794.8	964.2	133.6	120.4	106.4	93.2	79.2
75°	4854.2	3475.9	2097.6	1596.9	1097.0	596.4	95.7	89.1	81.7	75.1	67.6
77.5°	3300.2	2387.1	1474.0	1125.1	776.2	427.3	78.4	74.2	70.1	65.2	61.0
80°	2060.4	1410.5	760.5	585.6	409.9	235.1	59.4	56.9	54.4	51.1	48.7
82.5°	1441.0	862.0	282.9	221.1	159.2	96.5	34.6	35.5	36.3	36.3	37.1
85°	604.6	326.6	48.7	41.2	33.8	26.4	19.0	20.6	23.1	24.7	26.4
87.5°	10.7	5.8	0.0	1.6	4.1	5.8	7.4	9.9	11.5	14.0	15.7
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):

	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°	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7
2.5°	1974.7	1987.0	1998.6	2010.9	2001.1	1992.0	1982.1	1972.2	1957.3	1943.3	1928.5
5°	2402.7	2361.5	2320.3	2279.0	2216.3	2153.6	2090.1	2027.4	2020.0	2012.6	2004.4
7.5°	2256.8	2160.2	2062.9	1966.4	1875.7	1784.9	1694.2	1603.5	1575.4	1548.2	1520.2
10°	2019.2	1945.0	1869.9	1795.7	1730.5	1664.5	1599.4	1533.4	1464.9	1396.4	1327.2
12.5°	1964.8	1887.2	1808.9	1731.3	1671.9	1612.6	1553.2	1493.8	1417.1	1340.4	1263.6
15°	1850.9	1766.8	1682.7	1598.5	1519.3	1440.2	1360.2	1281.0	1188.6	1096.2	1003.8
17.5°	1711.5	1612.6	1512.7	1412.9	1309.0	1205.1	1101.2	997.2	890.8	785.2	678.8
20°	1545.7	1410.5	1274.4	1139.1	1010.4	881.7	752.3	623.6	556.8	490.8	424.0
22.5°	1343.7	1168.0	993.1	817.4	711.8	605.4	499.9	393.4	364.6	335.7	306.8
25°	1165.5	966.7	767.9	569.1	502.3	435.5	368.7	301.9	288.7	274.7	261.5
27.5°	979.9	793.5	606.3	419.0	381.1	342.3	304.4	265.6	256.5	248.3	239.2
30°	751.4	612.0	471.8	332.4	307.7	282.9	257.3	232.6	228.5	223.5	219.4
32.5°	582.3	480.1	378.6	276.3	262.3	248.3	234.3	220.2	213.6	207.0	199.6
35°	486.7	405.0	322.5	240.0	230.1	219.4	209.5	198.8	192.2	184.8	178.2
37.5°	403.3	344.0	283.7	223.5	212.8	202.1	190.5	179.8	174.9	169.9	165.0
40°	332.4	297.8	263.1	228.5	212.8	197.1	181.5	165.8	161.7	157.5	153.4
42.5°	274.7	252.4	229.3	207.0	195.5	184.8	173.2	161.7	155.9	149.3	143.5
45°	221.9	209.5	198.0	185.6	186.4	187.2	187.2	188.1	173.2	157.5	142.7
47.5°	179.8	174.0	167.4	161.7	168.3	174.9	180.6	187.2	171.6	155.9	139.4
50°	154.2	150.1	145.2	140.2	146.8	154.2	160.8	167.4	160.8	155.1	148.5
52.5°	141.0	135.3	129.5	123.7	126.2	129.5	132.0	134.4	134.4	134.4	134.4
55°	132.8	127.0	120.4	113.8	111.4	108.1	105.6	102.3	98.2	94.9	90.7
57.5°	126.2	119.6	112.2	105.6	101.5	96.5	92.4	87.4	83.3	78.4	74.2
60°	119.6	113.0	105.6	99.0	94.9	90.7	85.8	81.7	76.7	72.6	67.6
62.5°	110.5	104.8	99.0	93.2	89.1	85.8	81.7	77.5	72.6	67.6	61.9
65°	100.6	96.5	91.6	86.6	82.5	78.4	74.2	70.1	65.2	61.0	56.1
67.5°	91.6	87.4	84.1	80.0	75.1	70.9	66.0	61.0	57.7	54.4	50.3
70°	84.1	80.8	78.4	75.1	70.1	66.0	61.0	56.1	53.6	50.3	47.8
72.5°	76.7	74.2	70.9	68.5	64.3	60.2	56.1	52.0	49.5	47.0	44.5
75°	66.0	64.3	62.7	61.0	56.9	52.8	47.8	43.7	42.9	42.1	41.2
77.5°	59.4	58.6	56.9	55.3	51.1	47.0	42.9	38.8	39.6	40.4	40.4
80°	48.7	48.7	47.8	47.8	44.5	41.2	37.1	33.8	35.5	37.9	39.6
82.5°	37.1	37.1	37.1	37.1	33.8	30.5	27.2	23.9	26.4	28.0	30.5
85°	25.6	24.7	23.9	23.1	20.6	19.0	16.5	14.0	17.3	19.8	23.1
87.5°	15.7	16.5	16.5	16.5	14.8	12.4	10.7	8.2	9.9	10.7	12.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: MSA-SA4C-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597147
 CATALOG NUMBER: MSA-SA4C-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7
2.5°	1913.6	1888.9	1864.1	1838.6	1813.8	1756.1	1698.3	1640.6	1582.9	1625.8	1667.8
5°	1996.9	1949.1	1900.4	1852.6	1803.9	1782.5	1761.8	1740.4	1719.0	1722.3	1726.4
7.5°	1492.1	1460.8	1429.4	1397.3	1365.9	1359.3	1353.6	1347.0	1340.4	1354.4	1367.6
10°	1258.7	1215.0	1170.4	1126.7	1082.2	1058.3	1034.3	1010.4	986.5	984.0	980.7
12.5°	1186.9	1120.1	1054.1	987.3	920.5	868.6	816.6	764.6	712.7	716.8	720.9
15°	911.4	844.6	778.6	711.8	645.0	603.0	560.1	518.0	475.1	462.7	450.4
17.5°	572.4	522.9	473.5	423.1	373.7	359.6	346.4	332.4	318.4	314.3	310.1
20°	357.2	335.7	314.3	292.0	270.5	267.2	263.9	260.6	257.3	259.8	262.3
22.5°	278.0	268.9	259.0	249.9	240.0	236.7	233.4	230.1	226.8	229.3	231.0
25°	247.5	240.9	234.3	227.7	221.1	217.8	213.6	210.3	206.2	207.9	210.3
27.5°	230.1	224.4	218.6	212.8	207.0	201.3	196.3	190.5	184.8	188.1	190.5
30°	214.5	207.9	202.1	195.5	188.9	183.1	177.3	170.7	165.0	168.3	171.6
32.5°	193.0	187.2	180.6	174.9	168.3	165.0	161.7	157.5	154.2	156.7	158.4
35°	170.7	165.8	161.7	156.7	151.8	148.5	146.0	142.7	139.4	140.2	141.9
37.5°	160.0	154.2	148.5	142.7	136.9	135.3	133.6	131.1	129.5	129.5	129.5
40°	149.3	143.5	137.7	131.1	125.4	122.9	120.4	118.0	115.5	115.5	115.5
42.5°	136.9	131.1	125.4	119.6	113.8	111.4	108.1	105.6	102.3	102.3	102.3
45°	127.0	121.3	116.3	110.5	104.8	100.6	96.5	91.6	87.4	86.6	85.8
47.5°	123.7	115.5	107.2	99.0	90.7	86.6	82.5	77.5	73.4	72.6	71.8
50°	141.9	125.4	108.9	92.4	75.9	72.6	69.3	66.0	62.7	61.0	60.2
52.5°	134.4	117.1	99.8	82.5	65.2	62.7	60.2	57.7	55.3	53.6	52.0
55°	86.6	79.2	72.6	65.2	57.7	56.1	54.4	52.0	50.3	48.7	47.0
57.5°	69.3	65.2	61.9	57.7	53.6	52.0	50.3	47.8	46.2	43.7	42.1
60°	62.7	59.4	56.1	52.8	49.5	47.8	46.2	44.5	42.9	40.4	38.8
62.5°	56.9	54.4	52.0	49.5	47.0	45.4	43.7	42.1	40.4	37.9	35.5
65°	51.1	49.5	47.8	46.2	44.5	42.9	41.2	38.8	37.1	34.6	32.2
67.5°	47.0	46.2	45.4	44.5	43.7	42.1	39.6	37.9	35.5	33.0	29.7
70°	44.5	44.5	44.5	43.7	43.7	42.1	39.6	37.9	35.5	32.2	29.7
72.5°	42.1	42.9	43.7	43.7	44.5	42.1	39.6	37.1	34.6	31.3	28.9
75°	40.4	41.2	42.1	42.1	42.9	41.2	39.6	37.1	35.5	32.2	28.9
77.5°	41.2	42.1	42.1	42.9	42.9	41.2	39.6	37.1	35.5	31.3	27.2
80°	41.2	40.4	39.6	37.9	37.1	33.8	30.5	26.4	23.1	18.1	14.0
82.5°	32.2	30.5	29.7	28.0	26.4	23.1	19.8	16.5	13.2	9.9	6.6
85°	25.6	23.9	23.1	21.4	19.8	17.3	14.0	11.5	8.2	6.6	4.1
87.5°	13.2	12.4	10.7	9.9	8.2	6.6	4.1	2.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597147
 CATALOG NUMBER: MSA-SA4C-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: P597147
 CATALOG NUMBER: MSA-SA4C-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°	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7
2.5°	1710.7	1752.8	1747.0	1741.2	1768.4	1795.7	1775.9	1756.9	1737.1	1717.3	1676.1
5°	1729.7	1733.0	1727.2	1720.6	1721.4	1722.3	1709.1	1695.9	1682.7	1669.5	1667.0
7.5°	1381.6	1394.8	1412.9	1430.3	1431.1	1431.1	1421.2	1411.3	1400.6	1390.7	1395.6
10°	978.3	975.0	979.9	984.9	984.0	982.4	1008.8	1035.2	1060.7	1087.1	1068.2
12.5°	724.2	728.3	707.7	687.1	694.5	701.1	705.2	709.4	713.5	717.6	729.2
15°	438.0	425.6	410.8	395.9	403.3	409.9	417.4	424.0	431.4	438.0	445.4
17.5°	305.2	301.1	294.5	287.0	287.9	288.7	289.5	290.3	290.3	291.2	292.8
20°	264.8	267.2	262.3	256.5	254.9	252.4	250.8	249.1	246.6	245.0	242.5
22.5°	233.4	235.1	235.9	235.9	232.6	228.5	225.2	222.7	219.4	216.1	214.5
25°	212.0	213.6	212.0	209.5	207.9	206.2	204.6	202.1	200.4	198.0	197.1
27.5°	193.8	196.3	196.3	195.5	193.8	191.4	187.2	183.9	179.8	175.7	176.5
30°	174.9	178.2	178.2	177.3	176.5	175.7	171.6	167.4	163.3	159.2	160.8
32.5°	160.8	162.5	161.7	160.8	160.8	160.0	156.7	154.2	150.9	147.6	147.6
35°	142.7	143.5	143.5	143.5	143.5	142.7	140.2	137.7	135.3	132.8	133.6
37.5°	129.5	129.5	132.0	133.6	132.0	130.3	128.7	126.2	124.6	122.1	122.1
40°	114.7	114.7	117.1	118.8	117.1	115.5	114.7	113.0	112.2	110.5	110.5
42.5°	101.5	101.5	103.9	105.6	105.6	104.8	103.1	101.5	99.8	98.2	99.0
45°	85.0	84.1	88.3	91.6	89.9	88.3	88.3	87.4	87.4	86.6	87.4
47.5°	70.1	69.3	72.6	75.9	75.1	73.4	73.4	73.4	73.4	73.4	74.2
50°	58.6	56.9	60.2	62.7	61.9	60.2	60.2	61.0	61.0	61.0	61.9
52.5°	50.3	48.7	51.1	52.8	52.0	51.1	51.1	52.0	52.0	52.0	52.8
55°	44.5	42.9	45.4	47.0	46.2	44.5	45.4	45.4	46.2	46.2	46.2
57.5°	39.6	37.1	38.8	40.4	40.4	39.6	40.4	40.4	41.2	41.2	41.2
60°	36.3	33.8	35.5	36.3	36.3	35.5	36.3	36.3	37.1	37.1	37.1
62.5°	32.2	29.7	31.3	32.2	32.2	31.3	32.2	32.2	33.0	33.0	33.0
65°	28.9	26.4	27.2	28.0	28.0	28.0	28.9	28.9	29.7	29.7	29.7
67.5°	27.2	23.9	24.7	25.6	25.6	25.6	26.4	26.4	27.2	27.2	28.0
70°	26.4	23.1	23.9	23.9	24.7	24.7	24.7	25.6	25.6	25.6	25.6
72.5°	25.6	22.3	22.3	22.3	23.1	23.1	23.1	23.9	23.9	23.9	23.9
75°	25.6	22.3	21.4	20.6	21.4	21.4	21.4	22.3	22.3	22.3	22.3
77.5°	22.3	18.1	16.5	14.0	16.5	18.1	19.0	19.0	19.8	19.8	19.8
80°	9.1	4.1	2.5	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.8
82.5°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597147
 CATALOG NUMBER: MSA-SA4C-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: P597147
 CATALOG NUMBER: MSA-SA4C-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7
2.5°	1634.8	1593.6	1552.3	1572.1	1591.9	1611.7	1631.5	1629.9	1627.4	1625.8	1623.3
5°	1665.3	1662.9	1660.4	1648.8	1638.1	1626.6	1615.0	1612.6	1609.3	1606.8	1603.5
7.5°	1400.6	1404.7	1409.6	1396.4	1383.2	1370.1	1356.9	1323.0	1289.2	1254.6	1220.8
10°	1049.2	1029.4	1010.4	1008.8	1007.1	1005.5	1003.8	1000.5	997.2	993.1	989.8
12.5°	741.5	753.1	764.6	760.5	756.4	751.4	747.3	753.1	759.7	765.4	771.2
15°	452.0	459.4	466.0	480.9	495.7	510.6	525.4	531.2	537.8	543.6	549.3
17.5°	294.5	295.3	296.9	313.4	329.1	345.6	361.3	372.0	382.7	392.6	403.3
20°	240.0	237.6	235.1	244.2	253.2	262.3	271.4	281.3	291.2	301.1	311.0
22.5°	213.6	212.0	210.3	213.6	216.9	219.4	222.7	230.1	238.4	245.8	253.2
25°	196.3	194.7	193.8	195.5	197.1	198.8	200.4	204.6	208.7	212.8	216.9
27.5°	176.5	177.3	177.3	179.0	179.8	181.5	182.3	183.9	186.4	188.1	189.7
30°	161.7	163.3	164.1	165.8	166.6	168.3	169.1	168.3	167.4	166.6	165.8
32.5°	147.6	146.8	146.8	148.5	149.3	150.9	151.8	153.4	155.1	155.9	157.5
35°	133.6	134.4	134.4	134.4	135.3	135.3	135.3	136.9	139.4	141.0	142.7
37.5°	121.3	121.3	120.4	122.9	124.6	127.0	128.7	130.3	132.8	134.4	136.1
40°	110.5	110.5	110.5	112.2	113.8	114.7	116.3	120.4	124.6	128.7	132.8
42.5°	99.0	99.8	99.8	101.5	103.1	103.9	105.6	108.9	111.4	114.7	117.1
45°	88.3	89.1	89.9	91.6	92.4	94.0	94.9	96.5	97.3	99.0	99.8
47.5°	75.9	76.7	77.5	79.2	80.0	81.7	82.5	81.7	81.7	80.8	80.0
50°	63.5	64.3	65.2	67.6	69.3	71.8	73.4	71.8	70.1	67.6	66.0
52.5°	53.6	53.6	54.4	56.1	57.7	58.6	60.2	59.4	58.6	57.7	56.9
55°	46.2	46.2	46.2	47.0	47.8	48.7	49.5	50.3	50.3	51.1	51.1
57.5°	41.2	40.4	40.4	41.2	42.1	42.1	42.9	43.7	43.7	44.5	44.5
60°	37.1	36.3	36.3	37.1	37.9	38.8	39.6	39.6	39.6	38.8	38.8
62.5°	33.0	33.0	33.0	33.8	33.8	34.6	34.6	34.6	35.5	35.5	35.5
65°	30.5	30.5	30.5	30.5	30.5	29.7	29.7	30.5	30.5	31.3	31.3
67.5°	28.0	28.9	28.9	28.0	27.2	26.4	25.6	26.4	26.4	27.2	27.2
70°	25.6	25.6	25.6	24.7	23.9	23.1	22.3	22.3	22.3	21.4	21.4
72.5°	23.9	23.1	23.1	22.3	20.6	19.8	18.1	17.3	17.3	16.5	15.7
75°	22.3	21.4	21.4	19.8	18.1	16.5	14.8	14.0	12.4	11.5	9.9
77.5°	19.8	19.8	19.8	17.3	15.7	13.2	10.7	9.1	7.4	4.9	3.3
80°	6.6	7.4	8.2	7.4	7.4	6.6	5.8	4.1	3.3	1.6	0.0
82.5°	0.8	0.8	0.8	0.8	0.8	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: P597147
 CATALOG NUMBER: MSA-SA4C-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: P597147
 CATALOG NUMBER: MSA-SA4C-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°	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7
2.5°	1632.3	1641.4	1650.5	1659.6	1660.4	1661.2	1662.0	1662.9	1642.2	1620.8	1600.2
5°	1620.0	1637.3	1653.8	1670.3	1661.2	1652.1	1643.1	1634.0	1633.2	1633.2	1632.3
7.5°	1223.2	1224.9	1227.4	1229.0	1232.3	1235.6	1238.1	1241.4	1254.6	1267.8	1280.1
10°	979.1	968.4	956.8	946.1	937.8	928.8	920.5	911.4	918.0	925.5	932.1
12.5°	762.1	753.1	743.2	734.1	730.8	727.5	723.4	720.1	741.5	763.0	783.6
15°	547.7	546.0	543.6	541.9	552.6	563.4	574.1	584.8	603.0	620.3	638.4
17.5°	407.5	411.6	415.7	419.8	426.4	433.0	438.8	445.4	458.6	472.6	485.8
20°	315.9	321.7	326.6	331.6	329.9	328.3	325.8	324.2	334.9	345.6	355.5
22.5°	258.2	262.3	267.2	271.4	272.2	273.0	273.8	274.7	281.3	287.0	293.6
25°	221.1	226.0	230.1	234.3	235.1	235.9	236.7	237.6	245.8	254.0	261.5
27.5°	195.5	200.4	206.2	211.2	212.8	214.5	216.1	217.8	222.7	226.8	231.8
30°	172.4	179.0	185.6	192.2	194.7	197.1	199.6	202.1	207.0	212.8	217.8
32.5°	160.8	165.0	168.3	171.6	177.3	182.3	188.1	193.0	198.8	205.4	211.2
35°	147.6	151.8	156.7	160.8	165.0	169.1	172.4	176.5	179.8	183.1	185.6
37.5°	139.4	143.5	146.8	150.1	151.8	153.4	154.2	155.9	157.5	159.2	160.0
40°	132.8	132.0	132.0	131.1	132.8	135.3	136.9	138.6	143.5	147.6	152.6
42.5°	115.5	113.0	111.4	108.9	113.0	116.3	120.4	123.7	130.3	136.9	143.5
45°	98.2	96.5	94.0	92.4	98.2	103.9	109.7	115.5	122.9	129.5	136.9
47.5°	80.8	81.7	81.7	82.5	88.3	94.0	99.0	104.8	112.2	119.6	127.0
50°	67.6	69.3	70.9	72.6	78.4	83.3	89.1	94.0	102.3	109.7	118.0
52.5°	59.4	61.9	63.5	66.0	70.9	76.7	81.7	86.6	94.0	101.5	108.9
55°	53.6	56.9	59.4	61.9	66.0	70.1	74.2	78.4	85.8	93.2	99.8
57.5°	47.0	49.5	52.0	54.4	58.6	62.7	66.0	70.1	76.7	84.1	90.7
60°	41.2	42.9	45.4	47.0	50.3	54.4	57.7	61.0	67.6	74.2	80.0
62.5°	36.3	37.9	38.8	39.6	42.9	46.2	49.5	52.8	58.6	65.2	70.9
65°	32.2	33.0	33.0	33.8	36.3	39.6	42.1	44.5	51.1	56.9	63.5
67.5°	27.2	28.0	28.0	28.0	30.5	33.0	35.5	37.9	43.7	50.3	56.1
70°	21.4	22.3	22.3	22.3	24.7	28.0	30.5	33.0	37.9	42.9	47.8
72.5°	16.5	16.5	17.3	17.3	19.8	23.1	25.6	28.0	32.2	36.3	40.4
75°	10.7	11.5	11.5	12.4	14.8	18.1	20.6	23.1	27.2	31.3	34.6
77.5°	4.1	5.8	6.6	7.4	9.9	12.4	14.8	17.3	20.6	24.7	28.0
80°	0.0	0.8	0.8	0.8	2.5	3.3	4.9	5.8	8.2	11.5	14.0
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: P597147
 CATALOG NUMBER: MSA-SA4C-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: P597147
 CATALOG NUMBER: MSA-SA4C-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7
2.5°	1578.7	1624.1	1669.5	1714.8	1760.2	1816.3	1872.4	1880.6	1888.9	1879.0	1869.9
5°	1631.5	1653.8	1675.2	1697.5	1719.0	1783.3	1846.8	1847.6	1847.6	1848.5	1848.5
7.5°	1293.3	1312.3	1331.3	1349.4	1368.4	1410.5	1452.5	1468.2	1483.1	1479.8	1476.5
10°	938.7	963.4	987.3	1012.1	1036.0	1074.8	1113.5	1128.4	1142.4	1187.8	1234.0
12.5°	805.0	829.0	852.9	876.0	899.9	939.5	979.1	1007.9	1036.0	1064.0	1092.1
15°	655.7	674.7	694.5	713.5	732.5	750.6	768.7	804.2	838.9	866.9	894.9
17.5°	499.0	507.3	514.7	522.9	530.4	538.6	546.9	561.7	575.7	600.5	624.4
20°	366.2	372.8	379.4	385.2	391.8	400.0	408.3	419.0	428.9	434.7	439.6
22.5°	299.4	309.3	319.2	328.3	338.2	344.0	349.7	353.0	356.3	358.8	361.3
25°	269.7	278.8	287.0	296.1	304.4	306.8	309.3	315.9	322.5	322.5	322.5
27.5°	235.9	248.3	261.5	273.8	286.2	289.5	292.0	294.5	296.1	292.8	288.7
30°	222.7	235.1	247.5	259.0	271.4	276.3	280.4	282.9	285.4	281.3	277.1
32.5°	216.9	228.5	239.2	250.8	261.5	268.1	273.8	280.4	286.2	287.0	288.7
35°	188.9	196.3	204.6	212.0	219.4	222.7	226.0	228.5	230.1	230.1	230.1
37.5°	161.7	171.6	182.3	192.2	202.1	209.5	216.9	217.8	217.8	219.4	221.9
40°	156.7	166.6	176.5	185.6	195.5	203.7	211.2	212.0	212.8	214.5	216.1
42.5°	150.1	160.8	171.6	182.3	193.0	201.3	208.7	208.7	207.9	210.3	212.0
45°	143.5	154.2	164.1	174.9	184.8	195.5	205.4	202.9	199.6	203.7	207.0
47.5°	134.4	146.0	157.5	168.3	179.8	189.7	198.8	197.1	194.7	198.8	202.9
50°	125.4	136.9	148.5	160.0	171.6	182.3	192.2	190.5	188.9	193.8	198.0
52.5°	116.3	127.8	140.2	151.8	163.3	172.4	180.6	179.8	179.0	183.9	189.7
55°	107.2	118.0	129.5	140.2	150.9	160.8	169.9	168.3	166.6	170.7	174.9
57.5°	97.3	108.1	118.0	128.7	138.6	146.8	154.2	151.8	149.3	154.2	159.2
60°	86.6	96.5	106.4	115.5	125.4	132.0	137.7	136.1	133.6	138.6	143.5
62.5°	76.7	85.8	94.9	103.1	112.2	117.1	122.1	120.4	118.8	123.7	129.5
65°	69.3	76.7	83.3	90.7	97.3	102.3	107.2	104.8	102.3	108.1	113.0
67.5°	61.9	67.6	74.2	80.0	85.8	89.9	94.0	92.4	89.9	94.0	98.2
70°	52.8	58.6	64.3	69.3	75.1	79.2	83.3	80.8	77.5	81.7	85.8
72.5°	44.5	49.5	54.4	58.6	63.5	66.8	70.1	67.6	65.2	68.5	71.8
75°	38.8	42.9	47.0	50.3	54.4	56.1	57.7	56.9	55.3	58.6	61.0
77.5°	31.3	34.6	38.8	42.1	45.4	45.4	45.4	46.2	46.2	49.5	53.6
80°	16.5	19.8	23.1	25.6	28.9	28.9	28.0	29.7	30.5	34.6	38.8
82.5°	0.0	2.5	4.9	7.4	9.9	9.1	7.4	8.2	8.2	9.9	11.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	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: P597147
 CATALOG NUMBER: MSA-SA4C-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: P597147

CATALOG NUMBER: MSA-SA4C-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°	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7
2.5°	1860.0	1850.1	1843.5	1837.7	1831.1	1824.5	1832.8	1841.0	1848.5	1856.7	1881.5
5°	1849.3	1849.3	1843.5	1837.7	1832.0	1826.2	1838.6	1850.1	1862.5	1874.0	1873.2
7.5°	1472.3	1469.0	1503.7	1537.5	1572.1	1606.0	1615.0	1624.1	1632.3	1641.4	1638.9
10°	1279.3	1324.7	1339.5	1354.4	1369.2	1384.1	1402.2	1420.4	1438.5	1456.7	1463.3
12.5°	1120.1	1148.2	1196.0	1243.0	1290.9	1337.9	1361.8	1386.5	1410.5	1434.4	1481.4
15°	923.0	951.0	992.3	1033.5	1074.8	1116.0	1153.9	1192.7	1230.7	1268.6	1325.5
17.5°	649.1	673.1	704.4	735.8	766.3	797.6	856.2	914.7	973.3	1031.9	1092.1
20°	445.4	450.4	465.2	480.9	495.7	510.6	563.4	617.0	669.8	722.6	801.7
22.5°	362.9	365.4	372.8	380.2	386.8	394.3	421.5	449.5	476.8	504.0	568.3
25°	321.7	321.7	326.6	331.6	336.5	341.5	356.3	371.2	385.2	400.0	441.3
27.5°	285.4	281.3	288.7	296.1	303.5	311.0	321.7	333.2	344.0	354.7	382.7
30°	273.0	268.9	278.0	287.0	296.1	305.2	315.9	326.6	336.5	347.3	366.2
32.5°	289.5	290.3	293.6	296.9	299.4	302.7	307.7	313.4	318.4	323.3	339.8
35°	230.1	230.1	235.9	241.7	246.6	252.4	261.5	270.5	279.6	288.7	306.0
37.5°	223.5	225.2	230.1	235.9	240.9	245.8	257.3	269.7	281.3	292.8	306.8
40°	216.9	218.6	225.2	231.8	238.4	245.0	256.5	267.2	278.8	289.5	302.7
42.5°	214.5	216.1	224.4	233.4	241.7	249.9	259.8	269.7	278.8	288.7	306.8
45°	211.2	214.5	224.4	235.1	245.0	254.9	263.9	273.0	282.1	291.2	313.4
47.5°	206.2	210.3	221.9	232.6	244.2	254.9	272.2	290.3	307.7	325.0	335.7
50°	202.9	207.0	219.4	231.8	244.2	256.5	284.6	312.6	339.8	367.9	362.1
52.5°	194.7	199.6	215.3	231.0	246.6	262.3	287.0	311.8	336.5	361.3	349.7
55°	179.0	183.1	201.3	219.4	236.7	254.9	273.0	291.2	308.5	326.6	313.4
57.5°	163.3	168.3	185.6	202.9	219.4	236.7	245.8	254.9	263.9	273.0	268.1
60°	148.5	153.4	176.5	199.6	222.7	245.8	237.6	229.3	220.2	212.0	217.8
62.5°	134.4	139.4	161.7	183.1	205.4	226.8	215.3	203.7	192.2	180.6	189.7
65°	118.8	123.7	132.0	141.0	149.3	157.5	156.7	155.1	154.2	152.6	162.5
67.5°	102.3	106.4	110.5	115.5	119.6	123.7	126.2	129.5	132.0	134.4	142.7
70°	89.1	93.2	98.2	102.3	107.2	111.4	113.0	114.7	115.5	117.1	124.6
72.5°	74.2	77.5	84.1	90.7	96.5	103.1	103.9	103.9	104.8	104.8	110.5
75°	64.3	66.8	71.8	76.7	80.8	85.8	88.3	90.7	92.4	94.9	98.2
77.5°	56.9	60.2	61.9	62.7	64.3	65.2	66.8	68.5	70.1	71.8	72.6
80°	42.1	46.2	47.8	48.7	50.3	51.1	51.1	50.3	50.3	49.5	50.3
82.5°	13.2	14.8	17.3	19.8	22.3	24.7	25.6	26.4	26.4	27.2	26.4
85°	2.5	3.3	4.9	6.6	7.4	9.1	8.2	6.6	5.8	4.1	3.3
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: P597147
 CATALOG NUMBER: MSA-SA4C-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: P597147

CATALOG NUMBER: MSA-SA4C-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7
2.5°	1906.2	1930.1	1954.9	1945.0	1935.1	1925.2	1915.3	1916.9	1919.4	1921.0	1922.7
5°	1872.4	1870.7	1869.9	1897.9	1926.8	1954.9	1982.9	2013.4	2044.8	2075.3	2105.8
7.5°	1636.5	1633.2	1630.7	1667.0	1703.3	1739.6	1775.9	1817.9	1860.8	1902.9	1945.0
10°	1469.9	1476.5	1483.1	1497.9	1513.6	1528.4	1543.3	1583.7	1624.1	1663.7	1704.1
12.5°	1528.4	1574.6	1621.6	1630.7	1638.9	1648.0	1656.3	1662.0	1667.8	1673.6	1679.4
15°	1383.2	1440.2	1497.1	1521.0	1544.1	1568.0	1591.1	1652.1	1712.4	1773.4	1833.6
17.5°	1152.3	1211.7	1271.9	1343.7	1415.4	1487.2	1558.9	1624.9	1690.9	1756.9	1822.9
20°	881.7	960.9	1040.1	1130.8	1222.4	1313.1	1403.9	1469.9	1535.0	1601.0	1666.2
22.5°	633.5	697.8	762.1	871.9	980.7	1090.4	1199.3	1314.0	1429.4	1544.1	1658.7
25°	482.5	522.9	564.2	672.2	780.3	887.5	995.6	1153.1	1310.7	1468.2	1625.8
27.5°	409.9	438.0	465.2	562.5	659.9	756.4	853.7	1040.9	1228.2	1415.4	1602.7
30°	386.0	405.0	424.0	506.4	589.8	672.2	754.7	944.4	1134.1	1323.9	1513.6
32.5°	356.3	372.0	388.5	461.1	533.7	605.4	678.0	863.6	1049.2	1234.0	1419.5
35°	322.5	339.8	356.3	428.9	501.5	573.3	645.8	838.0	1030.2	1222.4	1414.6
37.5°	320.0	334.1	347.3	431.4	516.3	600.5	684.6	876.8	1069.0	1260.3	1452.5
40°	316.7	329.9	343.1	428.9	513.9	599.7	684.6	885.9	1087.1	1288.4	1489.7
42.5°	325.0	342.3	360.5	436.3	512.2	587.3	663.2	875.2	1087.1	1298.3	1510.3
45°	336.5	358.8	381.1	450.4	519.6	588.9	658.2	888.3	1118.5	1347.8	1577.9
47.5°	347.3	358.0	368.7	434.7	499.9	565.8	631.0	866.1	1101.2	1336.2	1571.3
50°	357.2	351.4	345.6	418.2	490.8	562.5	635.1	859.5	1083.0	1307.4	1530.9
52.5°	337.4	325.8	313.4	391.0	468.5	545.2	622.8	848.8	1074.8	1300.8	1526.8
55°	300.2	287.0	273.8	350.6	426.4	503.1	579.0	804.2	1029.4	1254.6	1479.8
57.5°	262.3	257.3	251.6	310.1	368.7	426.4	485.0	734.9	985.7	1235.6	1485.5
60°	223.5	228.5	234.3	276.3	318.4	359.6	401.7	646.7	890.8	1135.8	1380.0
62.5°	198.0	207.0	215.3	250.8	287.0	322.5	358.0	588.9	819.9	1050.8	1281.8
65°	173.2	183.1	193.0	235.1	278.0	320.0	362.1	557.6	753.1	948.6	1144.0
67.5°	150.9	158.4	166.6	221.9	277.1	332.4	387.7	547.7	706.9	866.9	1026.1
70°	132.0	138.6	146.0	210.3	274.7	339.0	403.3	539.4	676.4	812.5	948.6
72.5°	116.3	122.1	127.8	193.0	258.2	323.3	388.5	509.7	630.2	751.4	871.9
75°	101.5	103.9	107.2	162.5	216.9	272.2	326.6	407.5	489.1	570.0	650.8
77.5°	73.4	73.4	74.2	90.7	106.4	122.9	138.6	188.9	239.2	288.7	339.0
80°	50.3	51.1	51.1	57.7	63.5	70.1	75.9	86.6	96.5	107.2	117.1
82.5°	25.6	23.9	23.1	29.7	36.3	42.9	49.5	52.0	53.6	56.1	57.7
85°	2.5	0.8	0.0	4.1	8.2	12.4	16.5	19.8	23.1	26.4	29.7
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: P597147
 CATALOG NUMBER: MSA-SA4C-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: P597147

CATALOG NUMBER: MSA-SA4C-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°	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7
2.5°	1916.1	1909.5	1902.9	1896.3	1936.7	1978.0	2018.4	2058.8	2173.4	2248.5	2240.3
5°	2135.5	2165.2	2194.9	2224.6	2272.4	2321.1	2368.9	2416.8	2586.7	2690.6	2705.5
7.5°	1991.2	2036.5	2082.7	2128.1	2220.5	2312.0	2404.4	2496.0	2635.4	2743.4	2804.4
10°	1756.1	1808.0	1859.2	1911.1	2015.1	2119.8	2223.8	2327.7	2484.4	2633.7	2710.4
12.5°	1761.0	1842.7	1924.3	2006.0	2096.7	2187.5	2277.4	2368.1	2463.8	2514.1	2622.2
15°	1897.9	1962.3	2026.6	2091.0	2209.7	2328.5	2446.5	2565.2	2622.2	2743.4	2869.6
17.5°	1948.3	2074.5	2199.8	2325.2	2473.7	2621.3	2769.8	2917.4	3024.7	3192.9	3323.3
20°	1855.1	2043.9	2232.0	2420.9	2624.6	2828.4	3032.1	3235.8	3353.0	3513.0	3714.2
22.5°	1859.2	2059.6	2259.2	2459.7	2740.9	3021.4	3302.6	3583.1	3897.3	4205.8	4304.0
25°	1888.0	2150.3	2411.8	2674.1	2999.1	3324.1	3649.1	3974.1	4353.5	4677.6	4808.0
27.5°	1897.9	2193.2	2487.7	2783.0	3244.9	3706.8	4168.7	4630.6	5083.5	5449.7	5589.1
30°	1874.0	2235.3	2595.8	2956.2	3522.9	4089.5	4656.2	5222.9	5652.6	6079.0	6252.3
32.5°	1879.8	2340.1	2800.3	3260.6	3927.9	4596.0	5263.3	5930.6	6205.2	6589.6	6894.8
35°	1919.4	2424.2	2928.2	3433.0	4171.2	4909.4	5647.7	6385.9	6836.2	7242.1	7501.1
37.5°	2011.8	2571.0	3129.4	3688.7	4596.0	5504.1	6411.4	7318.8	8015.8	8712.7	8831.5
40°	2080.2	2670.8	3261.4	3852.0	4905.3	5958.6	7011.9	8065.2	8853.8	9610.2	9691.0
42.5°	2157.8	2804.4	3451.9	4098.6	5276.5	6454.3	7632.2	8810.1	9723.2	10494.4	10548.0
45°	2242.7	2908.4	3573.2	4238.0	5472.0	6705.1	7939.0	9172.2	10238.7	11134.5	10932.4
47.5°	2283.1	2995.0	3706.8	4418.6	5741.7	7063.9	8386.9	9709.1	10666.0	11456.1	11220.2
50°	2314.5	3097.3	3880.9	4663.6	6051.0	7438.4	8825.7	10213.1	11172.4	11901.6	11532.0
52.5°	2402.7	3277.9	4153.9	5029.0	6504.7	7979.5	9455.1	10929.9	11857.8	12527.6	12009.6
55°	2488.5	3496.5	4505.3	5513.2	7100.2	8688.0	10275.0	11862.0	12785.8	13359.9	12656.3
57.5°	2596.6	3708.5	4819.5	5930.6	7628.1	9325.6	11022.3	12719.8	13623.0	14257.3	13526.5
60°	2568.5	3756.3	4944.9	6132.7	7861.5	9590.4	11319.2	13048.1	14121.2	14900.7	14404.9
62.5°	2459.7	3637.5	4814.6	5992.4	7690.8	9388.3	11086.6	12784.1	14070.0	15125.8	14959.2
65°	2239.4	3334.0	4429.4	5523.9	7145.6	8768.0	10389.6	12011.3	13598.2	14941.9	15001.3
67.5°	1949.9	2873.7	3796.7	4720.5	6233.3	7746.0	9258.0	10770.7	12643.9	14211.1	14387.6
70°	1643.1	2336.8	3031.3	3725.0	5056.2	6387.5	7718.0	9049.3	10996.7	12573.8	12907.0
72.5°	1317.3	1763.5	2208.9	2654.3	3615.3	4575.4	5536.3	6496.4	8209.6	9433.6	10015.2
75°	853.7	1056.6	1259.5	1462.4	2102.5	2741.8	3381.8	4021.1	5158.5	6060.1	6717.5
77.5°	380.2	421.5	461.9	503.1	997.2	1491.3	1985.4	2479.5	2973.5	3517.9	3672.2
80°	136.1	154.2	173.2	191.4	433.9	677.2	919.7	1162.2	1401.4	1682.7	1751.1
82.5°	56.9	56.9	56.1	55.3	141.9	228.5	315.1	401.7	464.4	533.7	546.9
85°	23.1	17.3	10.7	4.1	18.1	33.0	47.0	61.0	98.2	89.1	165.0
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: P597147
 CATALOG NUMBER: MSA-SA4C-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: P597147

CATALOG NUMBER: MSA-SA4C-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7
2.5°	2208.9	2207.3	2205.6	2204.0	2202.3	2172.6	2143.7	2114.1	2085.2	2121.5	2157.8
5°	2681.5	2724.4	2767.3	2811.0	2853.9	2866.3	2878.7	2891.0	2903.4	2929.8	2956.2
7.5°	2855.6	2928.2	2999.9	3072.5	3144.3	3211.1	3277.1	3343.9	3410.7	3394.2	3377.7
10°	2795.4	2926.5	3057.7	3189.6	3320.8	3349.7	3378.5	3408.2	3437.1	3512.2	3587.2
12.5°	2730.2	2887.8	3045.3	3202.8	3360.4	3447.8	3534.4	3621.9	3709.3	3785.2	3861.1
15°	3039.5	3140.1	3240.8	3342.2	3442.9	3519.6	3595.5	3672.2	3748.1	3800.8	3852.8
17.5°	3446.2	3495.7	3545.1	3595.5	3644.9	3705.2	3765.4	3825.6	3885.8	3917.1	3948.5
20°	3875.9	3897.3	3918.8	3940.2	3961.7	3913.8	3866.0	3818.2	3770.3	3800.0	3828.9
22.5°	4307.3	4314.7	4323.0	4330.4	4337.8	4226.5	4115.1	4003.8	3892.4	3845.4	3798.4
25°	4971.3	4916.8	4862.4	4808.0	4753.5	4621.6	4489.6	4357.6	4225.6	4109.3	3993.0
27.5°	5690.5	5505.8	5321.8	5137.1	4953.1	4821.2	4689.2	4557.2	4425.2	4250.4	4075.5
30°	6415.6	6117.8	5820.9	5523.1	5226.2	5069.4	4912.7	4755.2	4598.5	4423.6	4249.6
32.5°	7080.4	6722.4	6364.4	6005.6	5647.7	5383.7	5119.8	4855.8	4591.9	4469.8	4347.7
35°	7631.4	7208.2	6785.1	6361.1	5938.0	5676.5	5415.0	5153.6	4892.1	4710.6	4530.0
37.5°	8573.3	8097.4	7621.5	7145.6	6669.6	6312.5	5956.1	5599.0	5241.8	5120.6	4999.3
40°	9441.9	8842.2	8242.6	7642.9	7043.3	6743.9	6445.3	6145.9	5847.3	5648.5	5450.5
42.5°	10132.3	9500.5	8869.5	8237.6	7605.8	7309.7	7014.4	6718.3	6422.2	6289.4	6157.4
45°	10281.6	9686.0	9091.3	8495.8	7900.3	7727.9	7556.3	7383.9	7212.4	7120.8	7030.1
47.5°	10576.0	9930.2	9285.2	8639.3	7993.5	7915.9	7838.4	7760.1	7682.5	7726.2	7770.0
50°	10741.0	10082.0	9422.9	8763.9	8104.8	8127.1	8148.6	8170.8	8193.1	8503.2	8812.5
52.5°	11061.0	10395.4	9729.8	9064.1	8398.5	8538.7	8678.1	8818.3	8957.7	9385.0	9811.4
55°	11632.7	10978.6	10324.5	9669.5	9015.5	9200.2	9385.0	9570.6	9755.3	10209.0	10661.8
57.5°	12479.8	11830.6	11182.3	10533.2	9884.8	10068.8	10252.7	10436.6	10620.6	11030.5	11439.6
60°	13546.3	12879.8	12214.2	11547.7	10882.1	10951.3	11019.8	11089.1	11158.4	11598.8	12038.5
62.5°	14376.9	13764.0	13152.0	12539.2	11927.1	11850.4	11774.5	11697.8	11621.9	11956.8	12290.9
65°	14569.9	14138.5	13707.9	13276.6	12845.2	12609.3	12374.2	12138.3	11902.4	12037.7	12172.9
67.5°	14017.3	13726.1	13435.7	13144.6	12853.4	12361.0	11868.6	11375.3	10882.9	10811.1	10739.4
70°	12734.6	12575.4	12417.1	12257.9	12099.5	11340.7	10582.6	9823.8	9065.8	8883.5	8701.2
72.5°	10049.0	10148.0	10246.9	10346.7	10445.7	9633.3	8821.6	8009.2	7196.7	6965.7	6735.6
75°	7086.2	7421.9	7757.6	8093.3	8429.0	7688.3	6948.4	6207.7	5467.0	5245.1	5024.1
77.5°	3842.1	4471.4	5100.8	5730.1	6359.5	5748.3	5137.9	4526.7	3915.5	3761.3	3607.8
80°	1821.2	2184.2	2546.3	2909.2	3272.1	3134.4	2996.6	2858.1	2720.3	2754.1	2787.9
82.5°	558.4	820.7	1083.0	1345.3	1607.6	1628.2	1648.0	1668.6	1689.3	1740.4	1790.7
85°	187.2	256.5	325.8	395.1	464.4	586.5	708.5	831.4	953.5	874.3	796.0
87.5°	0.0	2.5	4.1	6.6	8.2	25.6	42.9	60.2	77.5	66.8	56.9
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: P597147
 CATALOG NUMBER: MSA-SA4C-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: P597147

CATALOG NUMBER: MSA-SA4C-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°	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7
2.5°	2194.9	2231.2	2232.0	2233.7	2234.5	2235.3	2239.4	2243.6	2248.5	2252.6	2225.4
5°	2983.4	3009.8	2961.2	2912.5	2863.0	2814.3	2858.1	2901.8	2945.5	2989.2	2970.2
7.5°	3360.4	3343.9	3338.1	3333.2	3327.4	3322.4	3338.9	3355.4	3371.9	3388.4	3386.8
10°	3662.3	3737.3	3755.5	3773.6	3792.6	3810.7	3772.8	3734.9	3696.9	3659.0	3643.3
12.5°	3936.9	4012.8	4073.0	4133.3	4194.3	4254.5	4200.1	4146.4	4092.0	4038.4	3987.3
15°	3905.6	3957.6	4007.1	4056.5	4106.0	4155.5	4137.4	4120.1	4101.9	4083.8	4075.5
17.5°	3980.7	4012.0	4000.5	3988.9	3976.5	3965.0	3959.2	3954.3	3948.5	3942.7	3922.9
20°	3858.6	3888.3	3880.9	3874.3	3866.8	3859.4	3854.5	3849.5	3844.6	3839.6	3823.9
22.5°	3751.4	3704.3	3692.0	3680.4	3668.0	3656.5	3658.1	3659.8	3660.6	3662.3	3733.2
25°	3876.7	3760.4	3715.1	3669.7	3623.5	3578.1	3598.8	3618.6	3639.2	3659.8	3762.1
27.5°	3899.8	3725.0	3652.4	3579.8	3507.2	3434.6	3508.9	3583.1	3657.3	3731.6	3897.3
30°	4074.7	3900.6	3799.2	3698.6	3597.1	3496.5	3591.3	3686.2	3781.0	3875.9	4055.7
32.5°	4224.8	4102.7	4030.1	3957.6	3885.0	3812.4	3816.5	3819.8	3823.9	3828.1	4081.3
35°	4348.5	4167.9	4101.9	4036.7	3970.8	3905.6	4003.8	4101.9	4200.1	4298.2	4525.9
37.5°	4878.1	4756.8	4635.6	4515.2	4393.9	4273.5	4351.8	4430.2	4509.4	4587.7	4839.3
40°	5251.7	5053.8	5022.4	4991.9	4960.6	4930.0	4970.5	5010.1	5050.5	5090.9	5311.1
42.5°	6024.6	5891.8	5806.8	5722.7	5637.8	5553.6	5585.8	5618.0	5650.9	5683.1	5891.8
45°	6938.5	6847.0	6790.9	6734.8	6677.9	6621.8	6573.1	6525.3	6476.6	6428.8	6640.8
47.5°	7813.7	7857.4	7981.1	8104.0	8227.7	8350.6	8250.0	8149.4	8047.9	7947.3	7948.1
50°	9122.7	9432.0	9494.7	9556.5	9619.2	9681.1	9466.6	9252.2	9036.9	8822.4	8796.9
52.5°	10238.7	10665.1	10687.4	10709.7	10732.8	10755.0	10668.4	10581.8	10494.4	10407.8	10177.6
55°	11115.5	11568.3	11598.8	11628.5	11659.1	11688.7	11612.9	11537.8	11461.9	11386.0	11153.4
57.5°	11849.6	12258.7	12276.9	12294.2	12312.3	12330.5	12336.2	12342.0	12348.6	12354.4	12040.1
60°	12478.9	12919.4	12883.1	12847.6	12811.3	12775.9	12721.4	12667.0	12612.6	12558.1	12355.2
62.5°	12625.8	12960.6	12904.6	12849.3	12793.2	12737.9	12691.7	12646.4	12600.2	12554.0	12424.5
65°	12308.2	12443.5	12385.7	12328.0	12269.4	12211.7	12182.0	12153.1	12123.4	12093.7	12077.2
67.5°	10666.8	10595.0	10663.5	10731.9	10800.4	10868.9	10962.1	11055.3	11149.3	11242.5	11188.1
70°	8518.1	8335.8	8411.7	8486.7	8562.6	8637.7	8778.7	8919.8	9061.6	9202.7	9164.8
72.5°	6504.7	6273.7	6284.4	6295.1	6306.7	6317.4	6313.3	6310.0	6305.9	6301.7	6367.7
75°	4802.2	4580.3	4475.6	4370.8	4266.1	4161.3	4135.7	4110.2	4084.6	4059.0	4181.9
77.5°	3453.6	3300.2	3228.4	3157.5	3085.7	3014.8	3051.1	3087.4	3124.5	3160.8	3203.7
80°	2822.6	2856.4	2801.1	2746.7	2691.4	2636.2	2677.4	2717.8	2759.1	2800.3	2672.5
82.5°	1841.9	1892.2	1722.3	1552.3	1382.4	1212.5	1315.6	1418.7	1522.6	1625.8	1573.0
85°	716.8	638.4	544.4	451.2	357.2	263.1	342.3	421.5	500.7	579.9	632.6
87.5°	46.2	36.3	28.9	21.4	13.2	5.8	12.4	19.0	26.4	33.0	55.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597147
 CATALOG NUMBER: MSA-SA4C-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: P597147

CATALOG NUMBER: MSA-SA4C-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7	1743.7
2.5°	2199.0	2171.8	2145.4	2093.4	2041.5	1989.5	1937.5	2010.1	2082.7	2155.3	2227.9
5°	2952.1	2933.1	2915.0	2919.9	2924.9	2930.6	2935.6	2946.3	2957.0	2966.9	2977.7
7.5°	3386.0	3384.3	3382.7	3344.7	3306.8	3268.0	3230.1	3249.0	3268.0	3287.0	3305.9
10°	3628.5	3612.8	3597.1	3513.8	3430.5	3346.4	3263.1	3226.8	3189.6	3153.3	3117.1
12.5°	3936.1	3884.2	3833.0	3743.9	3655.7	3566.6	3477.5	3444.5	3410.7	3377.7	3343.9
15°	4068.1	4059.8	4052.4	3988.9	3924.6	3861.1	3796.7	3683.7	3569.9	3456.9	3343.9
17.5°	3903.1	3882.5	3862.7	3963.3	4063.1	4163.8	4264.4	4147.3	4030.1	3913.0	3795.9
20°	3808.3	3792.6	3776.9	3964.2	4150.6	4337.8	4524.2	4472.3	4419.5	4367.5	4315.5
22.5°	3804.1	3875.9	3946.8	4111.0	4274.3	4438.4	4601.8	4691.7	4782.4	4872.3	4962.2
25°	3864.4	3967.5	4069.7	4341.9	4614.1	4887.2	5159.3	5262.5	5364.7	5467.8	5570.1
27.5°	4062.3	4228.1	4393.1	4630.6	4868.2	5106.6	5344.1	5569.3	5795.3	6020.5	6245.7
30°	4234.7	4414.5	4594.3	4877.3	5159.3	5442.3	5724.4	6006.5	6288.5	6570.6	6852.7
32.5°	4334.5	4588.6	4841.8	5185.7	5528.9	5872.8	6216.8	6526.1	6835.4	7143.9	7453.2
35°	4753.5	4982.0	5209.7	5589.9	5970.2	6351.2	6731.5	7114.2	7496.9	7878.8	8261.6
37.5°	5090.9	5343.3	5594.9	6010.6	6425.5	6841.2	7256.9	7785.6	8315.2	8843.9	9372.6
40°	5531.3	5751.6	5971.8	6361.1	6749.6	7139.0	7528.3	8198.9	8869.5	9539.2	10209.8
42.5°	6099.7	6308.3	6517.0	6933.6	7350.1	7766.7	8183.2	8925.5	9667.9	10409.4	11151.8
45°	6852.7	7065.5	7277.5	7609.1	7940.7	8272.3	8603.9	9393.2	10181.8	10971.1	11759.7
47.5°	7948.9	7949.8	7950.6	8189.8	8429.0	8669.0	8908.2	9703.4	10497.7	11292.8	12087.1
50°	8771.3	8744.9	8719.3	8843.1	8966.0	9089.7	9213.4	9945.0	10677.5	11409.1	12140.8
52.5°	9948.3	9718.2	9488.9	9562.3	9634.9	9708.3	9780.9	10400.4	11020.6	11640.1	12259.5
55°	10921.7	10689.0	10456.4	10429.2	10402.0	10374.8	10347.6	10917.5	11487.5	12057.4	12627.4
57.5°	11726.7	11412.4	11099.0	11036.3	10974.4	10911.8	10849.1	11450.4	12050.9	12652.2	13252.6
60°	12153.1	11950.2	11747.3	11706.9	11665.7	11625.2	11584.0	12077.2	12570.5	13063.7	13557.0
62.5°	12295.8	12166.3	12037.7	12113.5	12189.4	12266.1	12342.0	12558.9	12775.1	12992.0	13208.1
65°	12061.6	12045.1	12028.6	12184.5	12339.5	12495.4	12651.3	12597.7	12543.3	12489.7	12436.0
67.5°	11134.5	11080.0	11026.4	11368.7	11710.2	12052.5	12394.8	12135.0	11874.3	11614.5	11354.7
70°	9126.8	9088.0	9050.1	9543.3	10036.6	10530.7	11023.9	10708.8	10393.8	10078.7	9763.6
72.5°	6432.9	6498.9	6564.9	7146.4	7727.1	8308.6	8889.3	8571.7	8254.1	7936.6	7619.0
75°	4304.0	4426.9	4549.8	5148.6	5747.5	6347.1	6945.9	6573.1	6200.3	5827.5	5454.6
77.5°	3246.6	3289.4	3332.3	3710.9	4089.5	4469.0	4847.6	4539.9	4231.4	3923.7	3615.3
80°	2544.6	2415.9	2288.1	2412.6	2537.2	2661.7	2786.3	2602.4	2418.4	2235.3	2051.4
82.5°	1520.2	1467.4	1414.6	1482.2	1549.0	1616.7	1684.3	1605.1	1525.1	1445.9	1365.9
85°	684.6	737.4	789.4	857.8	925.5	993.9	1062.4	951.9	841.3	730.8	620.3
87.5°	76.7	99.0	121.3	150.1	179.0	207.9	236.7	184.8	132.0	80.0	28.0
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: P597147
 CATALOG NUMBER: MSA-SA4C-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P597147
 CATALOG NUMBER: MSA-SA4C-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1743.7	1743.7
2.5°	2269.9	2312.0
5°	2976.8	2975.2
7.5°	3256.5	3206.1
10°	3070.9	3024.7
12.5°	3225.9	3108.0
15°	3254.8	3165.7
17.5°	3650.7	3504.7
20°	4128.3	3940.2
22.5°	4704.9	4446.7
25°	5263.3	4956.4
27.5°	6061.7	5877.0
30°	6666.3	6479.1
32.5°	7326.2	7199.2
35°	8135.4	8008.3
37.5°	9405.6	9437.8
40°	10229.6	10249.4
42.5°	11228.5	11305.2
45°	11845.5	11931.2
47.5°	12206.7	12326.3
50°	12333.8	12526.8
52.5°	12497.9	12735.5
55°	12892.2	13157.0
57.5°	13463.8	13675.0
60°	13566.9	13576.8
62.5°	13055.5	12902.9
65°	12273.6	12111.1
67.5°	11256.5	11157.6
70°	9633.3	9502.9
72.5°	7376.5	7134.0
75°	5154.4	4854.2
77.5°	3457.7	3300.2
80°	2056.3	2060.4
82.5°	1403.9	1441.0
85°	612.9	604.6
87.5°	19.8	10.7
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0



REPORT NUMBER: P597147
CATALOG NUMBER: MSA-SA4C-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)