

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: P596135

Luminaire Tested: **MSA-SA1A-722-U-SLR-HSS**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P596135
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-SA1A-722-U-SLR-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2167 lumens
Efficiency: N/A
Efficacy: 63.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

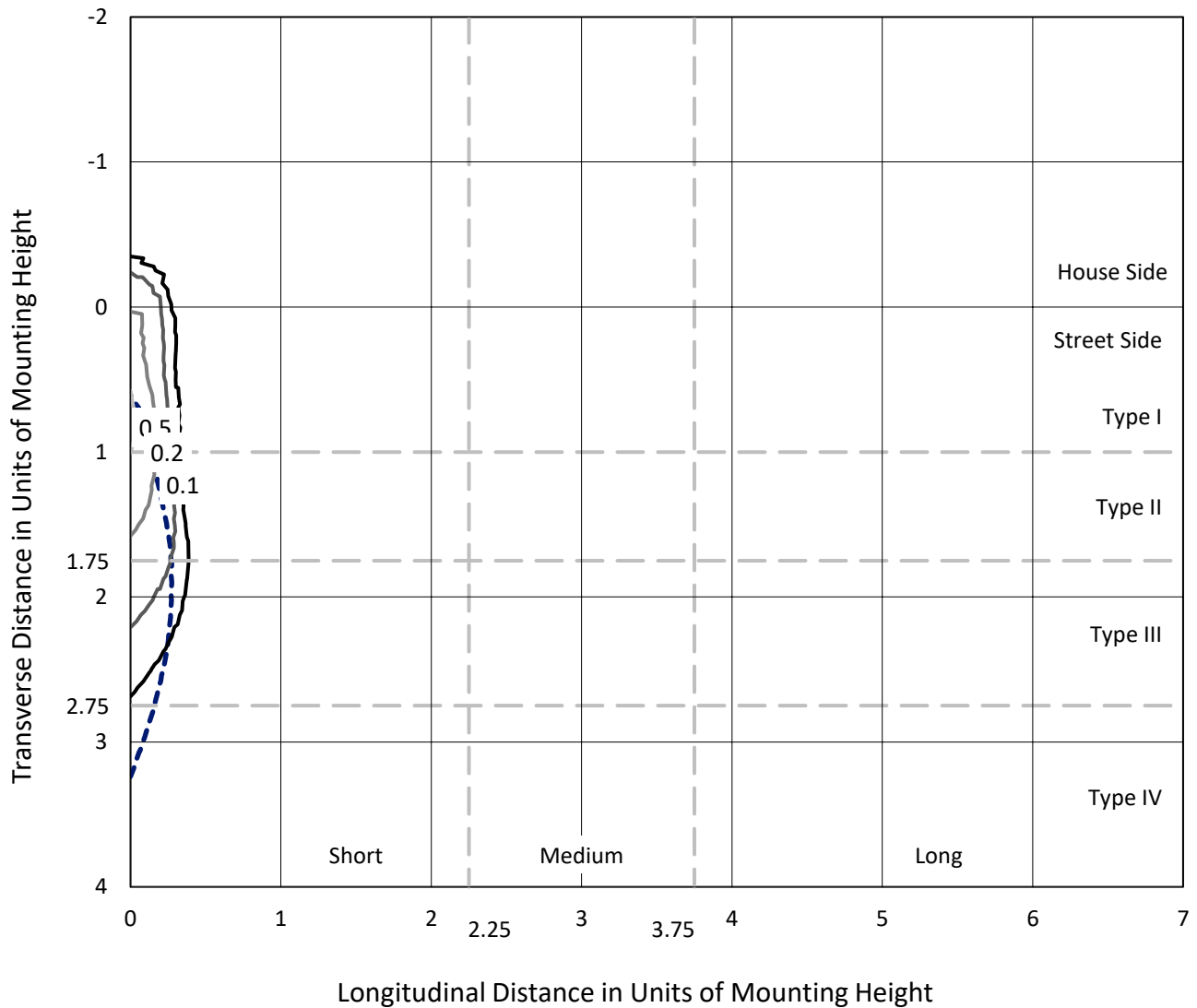
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

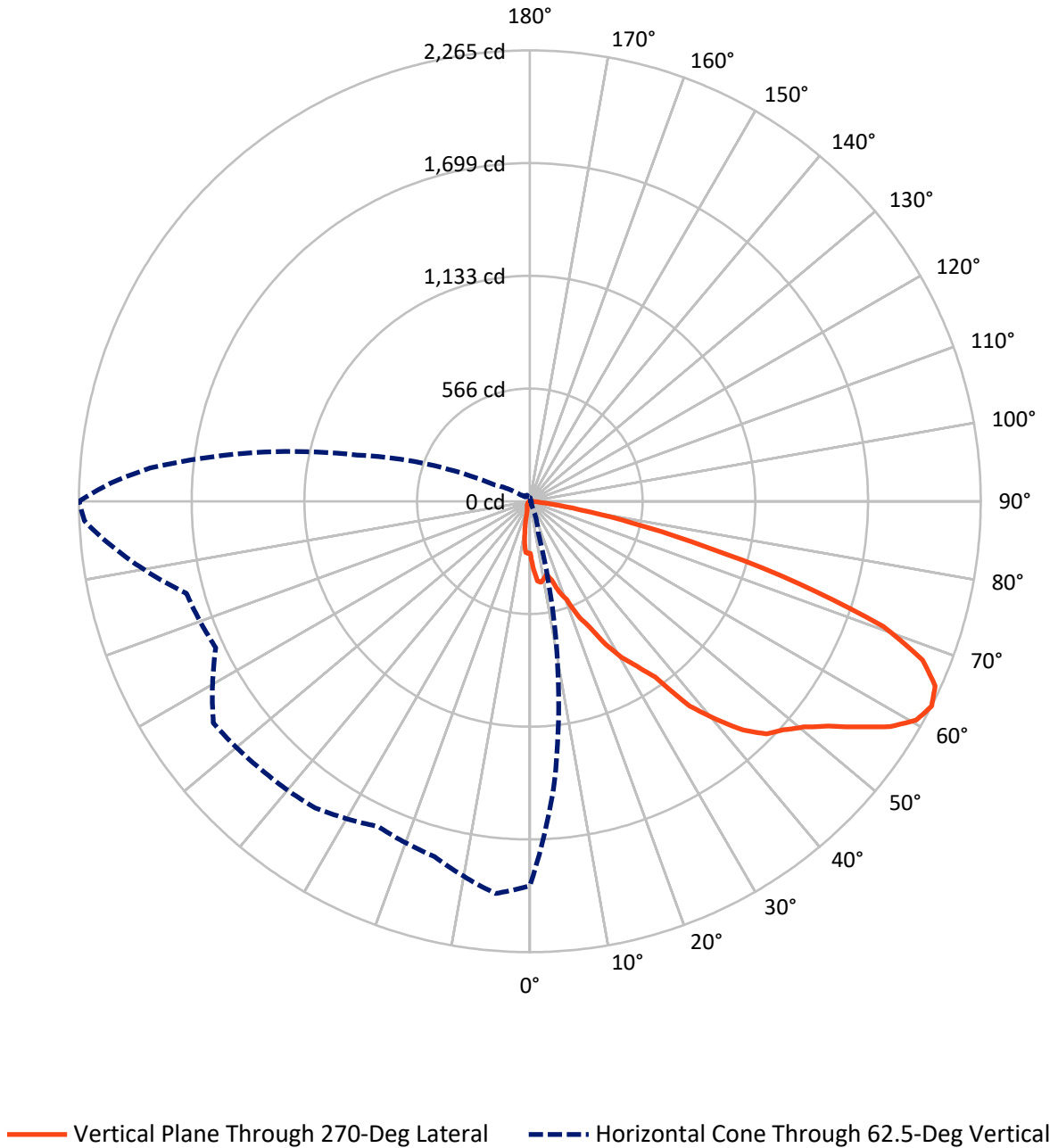
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	361.9	0.0	361.9
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	1805.1	0.0	1805.1
	% Fixture	83.3	0.0	83.3
Total	Lumens	2167.0	0.0	2167.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.2	1.3
10°-20°	76.2	3.5
20°-30°	123.2	5.7
30°-40°	206.3	9.5
40°-50°	337.3	15.6
50°-60°	499.3	23.0
60°-70°	573.2	26.5
70°-80°	283.4	13.1
80°-90°	38.9	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°	2167.0	100.0
0°-180°	2167.0	100.0

Coefficient of Utilization

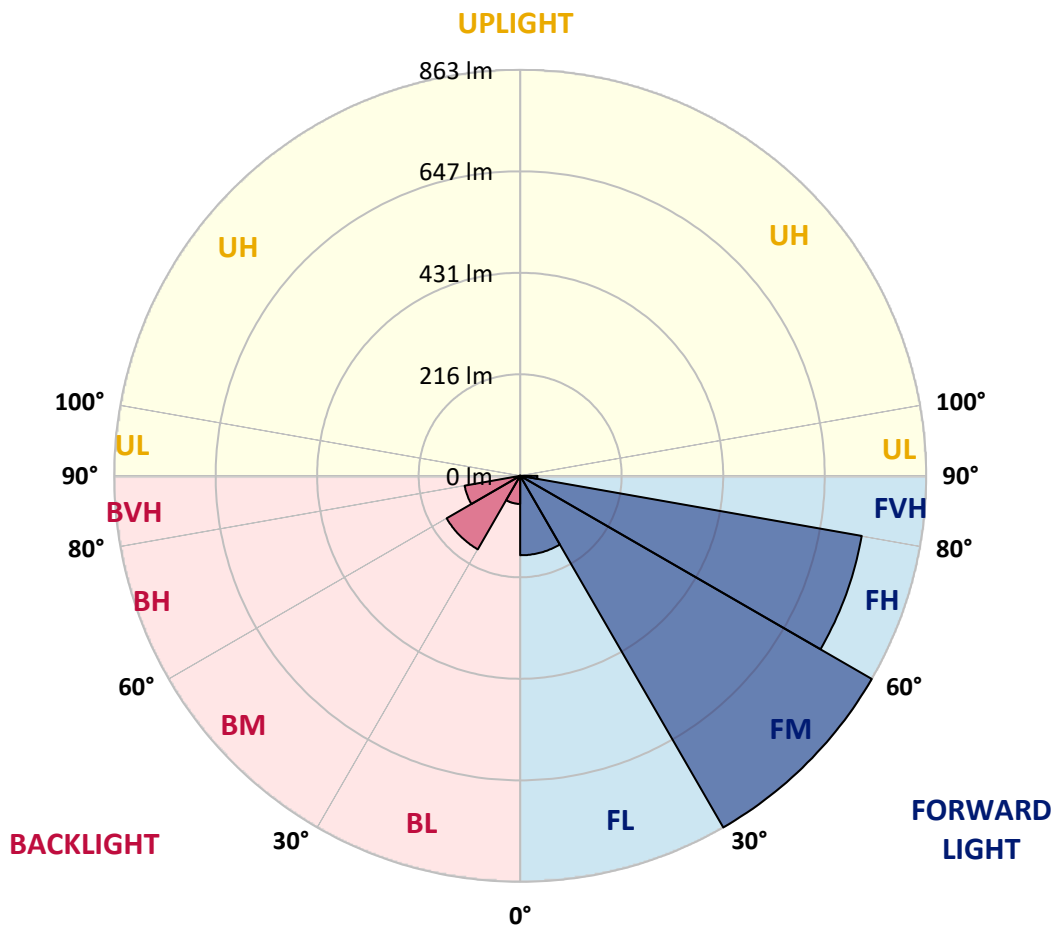


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	168.8	7.8			
FM (30°-60°)	862.6	39.8			
FH (60°-80°)	736.9	34.0			G1/1800
FVH (80°-90°)	36.9	1.7			G1/100
BL (0°-30°)	59.8	2.8	B0/110		
BM (30°-60°)	180.3	8.3	B0/220		
BH (60°-80°)	119.7	5.5	B1/500		G1/500
BVH (80°-90°)	2.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1
2.5°	346.2	350.6	354.8	346.7	338.7	330.7	322.6	315.5	308.3	301.0	293.9
5°	445.6	437.7	429.7	418.9	408.0	397.1	386.3	381.2	376.1	371.1	366.0
7.5°	480.1	466.1	451.9	442.2	432.7	423.1	413.4	398.2	382.9	367.7	352.4
10°	453.0	438.0	423.0	414.6	406.2	397.8	389.4	370.5	351.4	332.5	313.5
12.5°	465.4	449.3	433.1	415.8	398.5	381.2	363.9	349.5	334.9	320.4	305.9
15°	474.1	455.6	436.9	417.1	397.4	377.6	357.9	340.8	323.9	306.8	289.8
17.5°	524.9	498.3	471.7	441.4	411.0	380.6	350.2	330.4	310.8	291.0	271.3
20°	590.1	552.4	514.6	473.5	432.3	391.2	350.1	325.5	300.9	276.3	251.7
22.5°	665.9	618.9	571.7	520.9	470.3	419.5	368.7	333.4	298.1	262.7	227.4
25°	742.3	699.8	657.3	589.0	520.7	452.2	383.9	339.1	294.1	249.3	204.3
27.5°	880.1	804.2	728.2	641.2	554.4	467.4	380.5	329.1	277.7	226.2	174.8
30°	970.3	911.9	853.3	738.4	623.7	508.8	393.9	328.8	263.7	198.5	133.4
32.5°	1078.1	992.7	907.1	782.4	657.8	533.1	408.5	332.0	255.5	179.0	102.4
35°	1199.3	1106.3	1013.3	855.4	697.6	539.6	381.7	307.6	233.5	159.3	85.2
37.5°	1413.4	1257.7	1102.1	918.0	733.9	549.8	365.6	291.6	217.5	143.5	69.4
40°	1534.9	1386.3	1237.7	1007.7	777.7	547.7	317.7	252.0	186.4	120.7	55.0
42.5°	1693.0	1504.5	1315.9	1058.9	801.8	544.7	287.7	226.9	166.1	105.2	44.5
45°	1786.8	1573.2	1359.6	1081.1	802.5	524.0	245.4	192.8	140.2	87.6	35.0
47.5°	1846.0	1631.8	1417.6	1118.5	819.6	520.5	221.5	173.1	124.6	76.2	27.8
50°	1876.0	1661.2	1446.2	1138.9	831.6	524.1	216.8	168.6	120.3	72.1	23.8
52.5°	1907.2	1700.1	1492.8	1174.2	855.7	537.1	218.5	169.4	120.3	71.2	22.0
55°	1970.4	1766.0	1561.6	1224.9	888.2	551.4	214.7	166.3	117.8	69.3	20.9
57.5°	2047.9	1829.5	1611.0	1261.9	912.9	563.8	214.7	166.0	117.3	68.6	19.9
60°	2033.2	1796.2	1559.0	1220.3	881.6	542.8	204.1	157.7	111.5	65.2	18.9
62.5°	1932.3	1675.0	1417.6	1104.6	791.4	478.4	165.3	128.3	91.4	54.4	17.4
65°	1813.7	1540.6	1267.4	979.3	691.1	403.1	114.9	90.2	65.3	40.6	15.8
67.5°	1670.9	1379.7	1088.4	832.2	576.1	319.9	63.7	51.4	39.0	26.6	14.2
70°	1423.1	1122.5	821.7	624.8	428.0	231.1	34.2	28.9	23.6	18.3	13.0
72.5°	1068.4	792.9	517.4	393.1	268.8	144.4	20.0	18.0	15.9	14.0	11.9
75°	726.9	520.5	314.1	239.1	164.3	89.3	14.3	13.3	12.2	11.2	10.1
77.5°	494.2	357.5	220.7	168.5	116.2	64.0	11.7	11.1	10.5	9.8	9.1
80°	308.6	211.2	113.9	87.7	61.4	35.2	8.9	8.5	8.2	7.7	7.3
82.5°	215.8	129.1	42.4	33.1	23.8	14.5	5.2	5.3	5.4	5.4	5.6
85°	90.5	48.9	7.3	6.2	5.1	4.0	2.8	3.1	3.5	3.7	4.0
87.5°	1.6	0.9	0.0	0.2	0.6	0.9	1.1	1.5	1.7	2.1	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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°	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1
2.5°	295.7	297.6	299.3	301.2	299.7	298.3	296.8	295.4	293.1	291.0	288.8
5°	359.8	353.7	347.5	341.3	331.9	322.5	313.0	303.6	302.5	301.4	300.2
7.5°	338.0	323.5	308.9	294.5	280.9	267.3	253.7	240.1	235.9	231.9	227.7
10°	302.4	291.3	280.0	268.9	259.2	249.3	239.5	229.6	219.4	209.1	198.8
12.5°	294.2	282.6	270.9	259.3	250.4	241.5	232.6	223.7	212.2	200.7	189.2
15°	277.2	264.6	252.0	239.4	227.5	215.7	203.7	191.8	178.0	164.2	150.3
17.5°	256.3	241.5	226.5	211.6	196.0	180.5	164.9	149.3	133.4	117.6	101.7
20°	231.5	211.2	190.8	170.6	151.3	132.0	112.7	93.4	83.4	73.5	63.5
22.5°	201.2	174.9	148.7	122.4	106.6	90.7	74.9	58.9	54.6	50.3	46.0
25°	174.5	144.8	115.0	85.2	75.2	65.2	55.2	45.2	43.2	41.1	39.2
27.5°	146.7	118.8	90.8	62.8	57.1	51.3	45.6	39.8	38.4	37.2	35.8
30°	112.5	91.7	70.7	49.8	46.1	42.4	38.5	34.8	34.2	33.5	32.9
32.5°	87.2	71.9	56.7	41.4	39.3	37.2	35.1	33.0	32.0	31.0	29.9
35°	72.9	60.7	48.3	35.9	34.5	32.9	31.4	29.8	28.8	27.7	26.7
37.5°	60.4	51.5	42.5	33.5	31.9	30.3	28.5	26.9	26.2	25.4	24.7
40°	49.8	44.6	39.4	34.2	31.9	29.5	27.2	24.8	24.2	23.6	23.0
42.5°	41.1	37.8	34.3	31.0	29.3	27.7	25.9	24.2	23.3	22.4	21.5
45°	33.2	31.4	29.6	27.8	27.9	28.0	28.0	28.2	25.9	23.6	21.4
47.5°	26.9	26.1	25.1	24.2	25.2	26.2	27.1	28.0	25.7	23.3	20.9
50°	23.1	22.5	21.7	21.0	22.0	23.1	24.1	25.1	24.1	23.2	22.2
52.5°	21.1	20.3	19.4	18.5	18.9	19.4	19.8	20.1	20.1	20.1	20.1
55°	19.9	19.0	18.0	17.0	16.7	16.2	15.8	15.3	14.7	14.2	13.6
57.5°	18.9	17.9	16.8	15.8	15.2	14.5	13.8	13.1	12.5	11.7	11.1
60°	17.9	16.9	15.8	14.8	14.2	13.6	12.8	12.2	11.5	10.9	10.1
62.5°	16.6	15.7	14.8	14.0	13.3	12.8	12.2	11.6	10.9	10.1	9.3
65°	15.1	14.5	13.7	13.0	12.4	11.7	11.1	10.5	9.8	9.1	8.4
67.5°	13.7	13.1	12.6	12.0	11.2	10.6	9.9	9.1	8.6	8.2	7.5
70°	12.6	12.1	11.7	11.2	10.5	9.9	9.1	8.4	8.0	7.5	7.2
72.5°	11.5	11.1	10.6	10.3	9.6	9.0	8.4	7.8	7.4	7.0	6.7
75°	9.9	9.6	9.4	9.1	8.5	7.9	7.2	6.5	6.4	6.3	6.2
77.5°	8.9	8.8	8.5	8.3	7.7	7.0	6.4	5.8	5.9	6.1	6.1
80°	7.3	7.3	7.2	7.2	6.7	6.2	5.6	5.1	5.3	5.7	5.9
82.5°	5.6	5.6	5.6	5.6	5.1	4.6	4.1	3.6	4.0	4.2	4.6
85°	3.8	3.7	3.6	3.5	3.1	2.8	2.5	2.1	2.6	3.0	3.5
87.5°	2.3	2.5	2.5	2.5	2.2	1.9	1.6	1.2	1.5	1.6	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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: P596135
 CATALOG NUMBER: MSA-SA1A-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1
2.5°	286.6	282.9	279.2	275.3	271.6	263.0	254.3	245.7	237.0	243.5	249.8
5°	299.1	291.9	284.6	277.4	270.2	266.9	263.9	260.6	257.4	257.9	258.5
7.5°	223.5	218.8	214.1	209.3	204.6	203.6	202.7	201.7	200.7	202.8	204.8
10°	188.5	182.0	175.3	168.7	162.1	158.5	154.9	151.3	147.7	147.4	146.9
12.5°	177.8	167.7	157.9	147.9	137.9	130.1	122.3	114.5	106.7	107.3	108.0
15°	136.5	126.5	116.6	106.6	96.6	90.3	83.9	77.6	71.2	69.3	67.4
17.5°	85.7	78.3	70.9	63.4	56.0	53.9	51.9	49.8	47.7	47.1	46.4
20°	53.5	50.3	47.1	43.7	40.5	40.0	39.5	39.0	38.5	38.9	39.3
22.5°	41.6	40.3	38.8	37.4	35.9	35.5	35.0	34.5	34.0	34.3	34.6
25°	37.1	36.1	35.1	34.1	33.1	32.6	32.0	31.5	30.9	31.1	31.5
27.5°	34.5	33.6	32.7	31.9	31.0	30.1	29.4	28.5	27.7	28.2	28.5
30°	32.1	31.1	30.3	29.3	28.3	27.4	26.6	25.6	24.7	25.2	25.7
32.5°	28.9	28.0	27.1	26.2	25.2	24.7	24.2	23.6	23.1	23.5	23.7
35°	25.6	24.8	24.2	23.5	22.7	22.2	21.9	21.4	20.9	21.0	21.2
37.5°	24.0	23.1	22.2	21.4	20.5	20.3	20.0	19.6	19.4	19.4	19.4
40°	22.4	21.5	20.6	19.6	18.8	18.4	18.0	17.7	17.3	17.3	17.3
42.5°	20.5	19.6	18.8	17.9	17.0	16.7	16.2	15.8	15.3	15.3	15.3
45°	19.0	18.2	17.4	16.6	15.7	15.1	14.5	13.7	13.1	13.0	12.8
47.5°	18.5	17.3	16.1	14.8	13.6	13.0	12.4	11.6	11.0	10.9	10.7
50°	21.2	18.8	16.3	13.8	11.4	10.9	10.4	9.9	9.4	9.1	9.0
52.5°	20.1	17.5	14.9	12.4	9.8	9.4	9.0	8.6	8.3	8.0	7.8
55°	13.0	11.9	10.9	9.8	8.6	8.4	8.2	7.8	7.5	7.3	7.0
57.5°	10.4	9.8	9.3	8.6	8.0	7.8	7.5	7.2	6.9	6.5	6.3
60°	9.4	8.9	8.4	7.9	7.4	7.2	6.9	6.7	6.4	6.1	5.8
62.5°	8.5	8.2	7.8	7.4	7.0	6.8	6.5	6.3	6.1	5.7	5.3
65°	7.7	7.4	7.2	6.9	6.7	6.4	6.2	5.8	5.6	5.2	4.8
67.5°	7.0	6.9	6.8	6.7	6.5	6.3	5.9	5.7	5.3	4.9	4.4
70°	6.7	6.7	6.7	6.5	6.5	6.3	5.9	5.7	5.3	4.8	4.4
72.5°	6.3	6.4	6.5	6.5	6.7	6.3	5.9	5.6	5.2	4.7	4.3
75°	6.1	6.2	6.3	6.3	6.4	6.2	5.9	5.6	5.3	4.8	4.3
77.5°	6.2	6.3	6.3	6.4	6.4	6.2	5.9	5.6	5.3	4.7	4.1
80°	6.2	6.1	5.9	5.7	5.6	5.1	4.6	4.0	3.5	2.7	2.1
82.5°	4.8	4.6	4.4	4.2	4.0	3.5	3.0	2.5	2.0	1.5	1.0
85°	3.8	3.6	3.5	3.2	3.0	2.6	2.1	1.7	1.2	1.0	0.6
87.5°	2.0	1.9	1.6	1.5	1.2	1.0	0.6	0.4	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: P596135
 CATALOG NUMBER: MSA-SA1A-722-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: P596135
 CATALOG NUMBER: MSA-SA1A-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1
2.5°	256.2	262.5	261.6	260.8	264.8	268.9	266.0	263.1	260.1	257.2	251.0
5°	259.0	259.5	258.7	257.7	257.8	257.9	255.9	254.0	252.0	250.0	249.6
7.5°	206.9	208.9	211.6	214.2	214.3	214.3	212.8	211.4	209.7	208.3	209.0
10°	146.5	146.0	146.7	147.5	147.4	147.1	151.1	155.0	158.9	162.8	160.0
12.5°	108.5	109.1	106.0	102.9	104.0	105.0	105.6	106.2	106.8	107.5	109.2
15°	65.6	63.7	61.5	59.3	60.4	61.4	62.5	63.5	64.6	65.6	66.7
17.5°	45.7	45.1	44.1	43.0	43.1	43.2	43.4	43.5	43.5	43.6	43.9
20°	39.7	40.0	39.3	38.4	38.2	37.8	37.6	37.3	36.9	36.7	36.3
22.5°	35.0	35.2	35.3	35.3	34.8	34.2	33.7	33.4	32.9	32.4	32.1
25°	31.7	32.0	31.7	31.4	31.1	30.9	30.6	30.3	30.0	29.6	29.5
27.5°	29.0	29.4	29.4	29.3	29.0	28.7	28.0	27.5	26.9	26.3	26.4
30°	26.2	26.7	26.7	26.6	26.4	26.3	25.7	25.1	24.5	23.8	24.1
32.5°	24.1	24.3	24.2	24.1	24.1	24.0	23.5	23.1	22.6	22.1	22.1
35°	21.4	21.5	21.5	21.5	21.5	21.4	21.0	20.6	20.3	19.9	20.0
37.5°	19.4	19.4	19.8	20.0	19.8	19.5	19.3	18.9	18.7	18.3	18.3
40°	17.2	17.2	17.5	17.8	17.5	17.3	17.2	16.9	16.8	16.6	16.6
42.5°	15.2	15.2	15.6	15.8	15.8	15.7	15.4	15.2	14.9	14.7	14.8
45°	12.7	12.6	13.2	13.7	13.5	13.2	13.2	13.1	13.1	13.0	13.1
47.5°	10.5	10.4	10.9	11.4	11.2	11.0	11.0	11.0	11.0	11.0	11.1
50°	8.8	8.5	9.0	9.4	9.3	9.0	9.0	9.1	9.1	9.1	9.3
52.5°	7.5	7.3	7.7	7.9	7.8	7.7	7.7	7.8	7.8	7.8	7.9
55°	6.7	6.4	6.8	7.0	6.9	6.7	6.8	6.8	6.9	6.9	6.9
57.5°	5.9	5.6	5.8	6.1	6.1	5.9	6.1	6.1	6.2	6.2	6.2
60°	5.4	5.1	5.3	5.4	5.4	5.3	5.4	5.4	5.6	5.6	5.6
62.5°	4.8	4.4	4.7	4.8	4.8	4.7	4.8	4.8	4.9	4.9	4.9
65°	4.3	4.0	4.1	4.2	4.2	4.2	4.3	4.3	4.4	4.4	4.4
67.5°	4.1	3.6	3.7	3.8	3.8	3.8	4.0	4.0	4.1	4.1	4.2
70°	4.0	3.5	3.6	3.6	3.7	3.7	3.7	3.8	3.8	3.8	3.8
72.5°	3.8	3.3	3.3	3.3	3.5	3.5	3.5	3.6	3.6	3.6	3.6
75°	3.8	3.3	3.2	3.1	3.2	3.2	3.2	3.3	3.3	3.3	3.3
77.5°	3.3	2.7	2.5	2.1	2.5	2.7	2.8	2.8	3.0	3.0	3.0
80°	1.4	0.6	0.4	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.9
82.5°	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.4	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: P596135
 CATALOG NUMBER: MSA-SA1A-722-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: P596135
 CATALOG NUMBER: MSA-SA1A-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1
2.5°	244.8	238.7	232.5	235.4	238.4	241.4	244.3	244.1	243.7	243.5	243.1
5°	249.4	249.0	248.7	246.9	245.3	243.6	241.9	241.5	241.0	240.6	240.1
7.5°	209.7	210.4	211.1	209.1	207.2	205.2	203.2	198.1	193.1	187.9	182.8
10°	157.1	154.2	151.3	151.1	150.8	150.6	150.3	149.8	149.3	148.7	148.2
12.5°	111.0	112.8	114.5	113.9	113.3	112.5	111.9	112.8	113.8	114.6	115.5
15°	67.7	68.8	69.8	72.0	74.2	76.5	78.7	79.6	80.5	81.4	82.3
17.5°	44.1	44.2	44.5	46.9	49.3	51.8	54.1	55.7	57.3	58.8	60.4
20°	35.9	35.6	35.2	36.6	37.9	39.3	40.6	42.1	43.6	45.1	46.6
22.5°	32.0	31.7	31.5	32.0	32.5	32.9	33.4	34.5	35.7	36.8	37.9
25°	29.4	29.2	29.0	29.3	29.5	29.8	30.0	30.6	31.3	31.9	32.5
27.5°	26.4	26.6	26.6	26.8	26.9	27.2	27.3	27.5	27.9	28.2	28.4
30°	24.2	24.5	24.6	24.8	25.0	25.2	25.3	25.2	25.1	25.0	24.8
32.5°	22.1	22.0	22.0	22.2	22.4	22.6	22.7	23.0	23.2	23.3	23.6
35°	20.0	20.1	20.1	20.1	20.3	20.3	20.3	20.5	20.9	21.1	21.4
37.5°	18.2	18.2	18.0	18.4	18.7	19.0	19.3	19.5	19.9	20.1	20.4
40°	16.6	16.6	16.6	16.8	17.0	17.2	17.4	18.0	18.7	19.3	19.9
42.5°	14.8	14.9	14.9	15.2	15.4	15.6	15.8	16.3	16.7	17.2	17.5
45°	13.2	13.3	13.5	13.7	13.8	14.1	14.2	14.5	14.6	14.8	14.9
47.5°	11.4	11.5	11.6	11.9	12.0	12.2	12.4	12.2	12.2	12.1	12.0
50°	9.5	9.6	9.8	10.1	10.4	10.7	11.0	10.7	10.5	10.1	9.9
52.5°	8.0	8.0	8.2	8.4	8.6	8.8	9.0	8.9	8.8	8.6	8.5
55°	6.9	6.9	6.9	7.0	7.2	7.3	7.4	7.5	7.5	7.7	7.7
57.5°	6.2	6.1	6.1	6.2	6.3	6.3	6.4	6.5	6.5	6.7	6.7
60°	5.6	5.4	5.4	5.6	5.7	5.8	5.9	5.9	5.9	5.8	5.8
62.5°	4.9	4.9	4.9	5.1	5.1	5.2	5.2	5.2	5.3	5.3	5.3
65°	4.6	4.6	4.6	4.6	4.6	4.4	4.4	4.6	4.6	4.7	4.7
67.5°	4.2	4.3	4.3	4.2	4.1	4.0	3.8	4.0	4.0	4.1	4.1
70°	3.8	3.8	3.8	3.7	3.6	3.5	3.3	3.3	3.3	3.2	3.2
72.5°	3.6	3.5	3.5	3.3	3.1	3.0	2.7	2.6	2.6	2.5	2.3
75°	3.3	3.2	3.2	3.0	2.7	2.5	2.2	2.1	1.9	1.7	1.5
77.5°	3.0	3.0	3.0	2.6	2.3	2.0	1.6	1.4	1.1	0.7	0.5
80°	1.0	1.1	1.2	1.1	1.1	1.0	0.9	0.6	0.5	0.2	0.0
82.5°	0.1	0.1	0.1	0.1	0.1	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: P596135
 CATALOG NUMBER: MSA-SA1A-722-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: P596135
 CATALOG NUMBER: MSA-SA1A-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1
2.5°	244.5	245.8	247.2	248.5	248.7	248.8	248.9	249.0	245.9	242.7	239.6
5°	242.6	245.2	247.7	250.1	248.8	247.4	246.1	244.7	244.6	244.6	244.5
7.5°	183.2	183.4	183.8	184.1	184.5	185.0	185.4	185.9	187.9	189.9	191.7
10°	146.6	145.0	143.3	141.7	140.4	139.1	137.9	136.5	137.5	138.6	139.6
12.5°	114.1	112.8	111.3	109.9	109.4	108.9	108.3	107.8	111.0	114.3	117.3
15°	82.0	81.8	81.4	81.2	82.8	84.4	86.0	87.6	90.3	92.9	95.6
17.5°	61.0	61.6	62.3	62.9	63.9	64.9	65.7	66.7	68.7	70.8	72.8
20°	47.3	48.2	48.9	49.7	49.4	49.2	48.8	48.5	50.2	51.8	53.2
22.5°	38.7	39.3	40.0	40.6	40.8	40.9	41.0	41.1	42.1	43.0	44.0
25°	33.1	33.8	34.5	35.1	35.2	35.3	35.5	35.6	36.8	38.0	39.2
27.5°	29.3	30.0	30.9	31.6	31.9	32.1	32.4	32.6	33.4	34.0	34.7
30°	25.8	26.8	27.8	28.8	29.2	29.5	29.9	30.3	31.0	31.9	32.6
32.5°	24.1	24.7	25.2	25.7	26.6	27.3	28.2	28.9	29.8	30.8	31.6
35°	22.1	22.7	23.5	24.1	24.7	25.3	25.8	26.4	26.9	27.4	27.8
37.5°	20.9	21.5	22.0	22.5	22.7	23.0	23.1	23.3	23.6	23.8	24.0
40°	19.9	19.8	19.8	19.6	19.9	20.3	20.5	20.8	21.5	22.1	22.9
42.5°	17.3	16.9	16.7	16.3	16.9	17.4	18.0	18.5	19.5	20.5	21.5
45°	14.7	14.5	14.1	13.8	14.7	15.6	16.4	17.3	18.4	19.4	20.5
47.5°	12.1	12.2	12.2	12.4	13.2	14.1	14.8	15.7	16.8	17.9	19.0
50°	10.1	10.4	10.6	10.9	11.7	12.5	13.3	14.1	15.3	16.4	17.7
52.5°	8.9	9.3	9.5	9.9	10.6	11.5	12.2	13.0	14.1	15.2	16.3
55°	8.0	8.5	8.9	9.3	9.9	10.5	11.1	11.7	12.8	14.0	14.9
57.5°	7.0	7.4	7.8	8.2	8.8	9.4	9.9	10.5	11.5	12.6	13.6
60°	6.2	6.4	6.8	7.0	7.5	8.2	8.6	9.1	10.1	11.1	12.0
62.5°	5.4	5.7	5.8	5.9	6.4	6.9	7.4	7.9	8.8	9.8	10.6
65°	4.8	4.9	4.9	5.1	5.4	5.9	6.3	6.7	7.7	8.5	9.5
67.5°	4.1	4.2	4.2	4.2	4.6	4.9	5.3	5.7	6.5	7.5	8.4
70°	3.2	3.3	3.3	3.3	3.7	4.2	4.6	4.9	5.7	6.4	7.2
72.5°	2.5	2.5	2.6	2.6	3.0	3.5	3.8	4.2	4.8	5.4	6.1
75°	1.6	1.7	1.7	1.9	2.2	2.7	3.1	3.5	4.1	4.7	5.2
77.5°	0.6	0.9	1.0	1.1	1.5	1.9	2.2	2.6	3.1	3.7	4.2
80°	0.0	0.1	0.1	0.1	0.4	0.5	0.7	0.9	1.2	1.7	2.1
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: P596135
 CATALOG NUMBER: MSA-SA1A-722-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: P596135
 CATALOG NUMBER: MSA-SA1A-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1
2.5°	236.4	243.2	250.0	256.8	263.6	272.0	280.4	281.6	282.9	281.4	280.0
5°	244.3	247.7	250.9	254.2	257.4	267.1	276.6	276.7	276.7	276.8	276.8
7.5°	193.7	196.5	199.4	202.1	204.9	211.2	217.5	219.9	222.1	221.6	221.1
10°	140.6	144.3	147.9	151.6	155.1	161.0	166.8	169.0	171.1	177.9	184.8
12.5°	120.6	124.1	127.7	131.2	134.8	140.7	146.6	150.9	155.1	159.3	163.5
15°	98.2	101.0	104.0	106.8	109.7	112.4	115.1	120.4	125.6	129.8	134.0
17.5°	74.7	76.0	77.1	78.3	79.4	80.7	81.9	84.1	86.2	89.9	93.5
20°	54.8	55.8	56.8	57.7	58.7	59.9	61.1	62.8	64.2	65.1	65.8
22.5°	44.8	46.3	47.8	49.2	50.6	51.5	52.4	52.9	53.4	53.7	54.1
25°	40.4	41.8	43.0	44.3	45.6	46.0	46.3	47.3	48.3	48.3	48.3
27.5°	35.3	37.2	39.2	41.0	42.9	43.4	43.7	44.1	44.3	43.9	43.2
30°	33.4	35.2	37.1	38.8	40.6	41.4	42.0	42.4	42.7	42.1	41.5
32.5°	32.5	34.2	35.8	37.6	39.2	40.1	41.0	42.0	42.9	43.0	43.2
35°	28.3	29.4	30.6	31.7	32.9	33.4	33.8	34.2	34.5	34.5	34.5
37.5°	24.2	25.7	27.3	28.8	30.3	31.4	32.5	32.6	32.6	32.9	33.2
40°	23.5	25.0	26.4	27.8	29.3	30.5	31.6	31.7	31.9	32.1	32.4
42.5°	22.5	24.1	25.7	27.3	28.9	30.1	31.3	31.3	31.1	31.5	31.7
45°	21.5	23.1	24.6	26.2	27.7	29.3	30.8	30.4	29.9	30.5	31.0
47.5°	20.1	21.9	23.6	25.2	26.9	28.4	29.8	29.5	29.2	29.8	30.4
50°	18.8	20.5	22.2	24.0	25.7	27.3	28.8	28.5	28.3	29.0	29.6
52.5°	17.4	19.1	21.0	22.7	24.5	25.8	27.1	26.9	26.8	27.5	28.4
55°	16.1	17.7	19.4	21.0	22.6	24.1	25.4	25.2	25.0	25.6	26.2
57.5°	14.6	16.2	17.7	19.3	20.8	22.0	23.1	22.7	22.4	23.1	23.8
60°	13.0	14.5	15.9	17.3	18.8	19.8	20.6	20.4	20.0	20.8	21.5
62.5°	11.5	12.8	14.2	15.4	16.8	17.5	18.3	18.0	17.8	18.5	19.4
65°	10.4	11.5	12.5	13.6	14.6	15.3	16.1	15.7	15.3	16.2	16.9
67.5°	9.3	10.1	11.1	12.0	12.8	13.5	14.1	13.8	13.5	14.1	14.7
70°	7.9	8.8	9.6	10.4	11.2	11.9	12.5	12.1	11.6	12.2	12.8
72.5°	6.7	7.4	8.2	8.8	9.5	10.0	10.5	10.1	9.8	10.3	10.7
75°	5.8	6.4	7.0	7.5	8.2	8.4	8.6	8.5	8.3	8.8	9.1
77.5°	4.7	5.2	5.8	6.3	6.8	6.8	6.8	6.9	6.9	7.4	8.0
80°	2.5	3.0	3.5	3.8	4.3	4.3	4.2	4.4	4.6	5.2	5.8
82.5°	0.0	0.4	0.7	1.1	1.5	1.4	1.1	1.2	1.2	1.5	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596135
 CATALOG NUMBER: MSA-SA1A-722-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: P596135
 CATALOG NUMBER: MSA-SA1A-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1
2.5°	278.6	277.1	276.1	275.2	274.2	273.2	274.5	275.7	276.8	278.1	281.8
5°	276.9	276.9	276.1	275.2	274.4	273.5	275.3	277.1	278.9	280.7	280.5
7.5°	220.5	220.0	225.2	230.3	235.4	240.5	241.9	243.2	244.5	245.8	245.4
10°	191.6	198.4	200.6	202.8	205.1	207.3	210.0	212.7	215.4	218.1	219.1
12.5°	167.7	171.9	179.1	186.2	193.3	200.4	203.9	207.6	211.2	214.8	221.9
15°	138.2	142.4	148.6	154.8	161.0	167.1	172.8	178.6	184.3	190.0	198.5
17.5°	97.2	100.8	105.5	110.2	114.8	119.4	128.2	137.0	145.8	154.5	163.5
20°	66.7	67.4	69.7	72.0	74.2	76.5	84.4	92.4	100.3	108.2	120.1
22.5°	54.4	54.7	55.8	56.9	57.9	59.0	63.1	67.3	71.4	75.5	85.1
25°	48.2	48.2	48.9	49.7	50.4	51.1	53.4	55.6	57.7	59.9	66.1
27.5°	42.7	42.1	43.2	44.3	45.5	46.6	48.2	49.9	51.5	53.1	57.3
30°	40.9	40.3	41.6	43.0	44.3	45.7	47.3	48.9	50.4	52.0	54.8
32.5°	43.4	43.5	44.0	44.5	44.8	45.3	46.1	46.9	47.7	48.4	50.9
35°	34.5	34.5	35.3	36.2	36.9	37.8	39.2	40.5	41.9	43.2	45.8
37.5°	33.5	33.7	34.5	35.3	36.1	36.8	38.5	40.4	42.1	43.9	46.0
40°	32.5	32.7	33.7	34.7	35.7	36.7	38.4	40.0	41.8	43.4	45.3
42.5°	32.1	32.4	33.6	35.0	36.2	37.4	38.9	40.4	41.8	43.2	46.0
45°	31.6	32.1	33.6	35.2	36.7	38.2	39.5	40.9	42.2	43.6	46.9
47.5°	30.9	31.5	33.2	34.8	36.6	38.2	40.8	43.5	46.1	48.7	50.3
50°	30.4	31.0	32.9	34.7	36.6	38.4	42.6	46.8	50.9	55.1	54.2
52.5°	29.2	29.9	32.2	34.6	36.9	39.3	43.0	46.7	50.4	54.1	52.4
55°	26.8	27.4	30.1	32.9	35.5	38.2	40.9	43.6	46.2	48.9	46.9
57.5°	24.5	25.2	27.8	30.4	32.9	35.5	36.8	38.2	39.5	40.9	40.1
60°	22.2	23.0	26.4	29.9	33.4	36.8	35.6	34.3	33.0	31.7	32.6
62.5°	20.1	20.9	24.2	27.4	30.8	34.0	32.2	30.5	28.8	27.1	28.4
65°	17.8	18.5	19.8	21.1	22.4	23.6	23.5	23.2	23.1	22.9	24.3
67.5°	15.3	15.9	16.6	17.3	17.9	18.5	18.9	19.4	19.8	20.1	21.4
70°	13.3	14.0	14.7	15.3	16.1	16.7	16.9	17.2	17.3	17.5	18.7
72.5°	11.1	11.6	12.6	13.6	14.5	15.4	15.6	15.6	15.7	15.7	16.6
75°	9.6	10.0	10.7	11.5	12.1	12.8	13.2	13.6	13.8	14.2	14.7
77.5°	8.5	9.0	9.3	9.4	9.6	9.8	10.0	10.3	10.5	10.7	10.9
80°	6.3	6.9	7.2	7.3	7.5	7.7	7.7	7.5	7.5	7.4	7.5
82.5°	2.0	2.2	2.6	3.0	3.3	3.7	3.8	4.0	4.0	4.1	4.0
85°	0.4	0.5	0.7	1.0	1.1	1.4	1.2	1.0	0.9	0.6	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596135
 CATALOG NUMBER: MSA-SA1A-722-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: P596135
 CATALOG NUMBER: MSA-SA1A-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1
2.5°	285.5	289.1	292.8	291.3	289.8	288.3	286.8	287.1	287.4	287.7	287.9
5°	280.4	280.2	280.0	284.2	288.6	292.8	297.0	301.5	306.2	310.8	315.4
7.5°	245.1	244.6	244.2	249.6	255.1	260.5	266.0	272.3	278.7	285.0	291.3
10°	220.1	221.1	222.1	224.3	226.7	228.9	231.1	237.2	243.2	249.2	255.2
12.5°	228.9	235.8	242.9	244.2	245.4	246.8	248.0	248.9	249.8	250.6	251.5
15°	207.2	215.7	224.2	227.8	231.2	234.8	238.3	247.4	256.4	265.6	274.6
17.5°	172.6	181.5	190.5	201.2	212.0	222.7	233.5	243.3	253.2	263.1	273.0
20°	132.0	143.9	155.8	169.4	183.1	196.7	210.2	220.1	229.9	239.8	249.5
22.5°	94.9	104.5	114.1	130.6	146.9	163.3	179.6	196.8	214.1	231.2	248.4
25°	72.3	78.3	84.5	100.7	116.9	132.9	149.1	172.7	196.3	219.9	243.5
27.5°	61.4	65.6	69.7	84.2	98.8	113.3	127.8	155.9	183.9	212.0	240.0
30°	57.8	60.7	63.5	75.8	88.3	100.7	113.0	141.4	169.8	198.3	226.7
32.5°	53.4	55.7	58.2	69.1	79.9	90.7	101.5	129.3	157.1	184.8	212.6
35°	48.3	50.9	53.4	64.2	75.1	85.9	96.7	125.5	154.3	183.1	211.8
37.5°	47.9	50.0	52.0	64.6	77.3	89.9	102.5	131.3	160.1	188.7	217.5
40°	47.4	49.4	51.4	64.2	77.0	89.8	102.5	132.7	162.8	192.9	223.1
42.5°	48.7	51.3	54.0	65.3	76.7	88.0	99.3	131.1	162.8	194.4	226.2
45°	50.4	53.7	57.1	67.4	77.8	88.2	98.6	133.0	167.5	201.8	236.3
47.5°	52.0	53.6	55.2	65.1	74.9	84.7	94.5	129.7	164.9	200.1	235.3
50°	53.5	52.6	51.8	62.6	73.5	84.2	95.1	128.7	162.2	195.8	229.3
52.5°	50.5	48.8	46.9	58.6	70.2	81.7	93.3	127.1	161.0	194.8	228.6
55°	45.0	43.0	41.0	52.5	63.9	75.4	86.7	120.4	154.2	187.9	221.6
57.5°	39.3	38.5	37.7	46.4	55.2	63.9	72.6	110.1	147.6	185.0	222.5
60°	33.5	34.2	35.1	41.4	47.7	53.9	60.2	96.8	133.4	170.1	206.7
62.5°	29.6	31.0	32.2	37.6	43.0	48.3	53.6	88.2	122.8	157.4	192.0
65°	25.9	27.4	28.9	35.2	41.6	47.9	54.2	83.5	112.8	142.1	171.3
67.5°	22.6	23.7	25.0	33.2	41.5	49.8	58.1	82.0	105.9	129.8	153.7
70°	19.8	20.8	21.9	31.5	41.1	50.8	60.4	80.8	101.3	121.7	142.1
72.5°	17.4	18.3	19.1	28.9	38.7	48.4	58.2	76.3	94.4	112.5	130.6
75°	15.2	15.6	16.1	24.3	32.5	40.8	48.9	61.0	73.3	85.4	97.5
77.5°	11.0	11.0	11.1	13.6	15.9	18.4	20.8	28.3	35.8	43.2	50.8
80°	7.5	7.7	7.7	8.6	9.5	10.5	11.4	13.0	14.5	16.1	17.5
82.5°	3.8	3.6	3.5	4.4	5.4	6.4	7.4	7.8	8.0	8.4	8.6
85°	0.4	0.1	0.0	0.6	1.2	1.9	2.5	3.0	3.5	4.0	4.4
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: P596135
 CATALOG NUMBER: MSA-SA1A-722-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: P596135
 CATALOG NUMBER: MSA-SA1A-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1
2.5°	287.0	286.0	285.0	284.0	290.0	296.2	302.3	308.3	325.5	336.7	335.5
5°	319.8	324.3	328.7	333.1	340.3	347.6	354.8	361.9	387.4	402.9	405.2
7.5°	298.2	305.0	311.9	318.7	332.5	346.2	360.1	373.8	394.7	410.8	420.0
10°	263.0	270.8	278.4	286.2	301.8	317.5	333.0	348.6	372.1	394.4	405.9
12.5°	263.7	276.0	288.2	300.4	314.0	327.6	341.1	354.6	369.0	376.5	392.7
15°	284.2	293.9	303.5	313.1	330.9	348.7	366.4	384.2	392.7	410.8	429.7
17.5°	291.8	310.7	329.4	348.2	370.5	392.6	414.8	436.9	453.0	478.2	497.7
20°	277.8	306.1	334.3	362.5	393.1	423.6	454.1	484.6	502.1	526.1	556.2
22.5°	278.4	308.4	338.3	368.4	410.5	452.5	494.6	536.6	583.7	629.9	644.6
25°	282.8	322.0	361.2	400.5	449.1	497.8	546.5	595.1	652.0	700.5	720.0
27.5°	284.2	328.5	372.6	416.8	486.0	555.1	624.3	693.5	761.3	816.1	837.0
30°	280.7	334.8	388.7	442.7	527.6	612.4	697.3	782.2	846.5	910.4	936.3
32.5°	281.5	350.4	419.4	488.3	588.2	688.3	788.2	888.2	929.3	986.8	1032.6
35°	287.4	363.0	438.5	514.1	624.7	735.2	845.8	956.3	1023.8	1084.6	1123.3
37.5°	301.3	385.0	468.7	552.4	688.3	824.3	960.2	1096.0	1200.4	1304.8	1322.6
40°	311.5	400.0	488.4	576.9	734.6	892.4	1050.1	1207.8	1325.9	1439.2	1451.3
42.5°	323.1	420.0	517.0	613.8	790.2	966.6	1143.0	1319.4	1456.1	1571.6	1579.6
45°	335.9	435.6	535.1	634.7	819.5	1004.1	1188.9	1373.6	1533.3	1667.5	1637.2
47.5°	341.9	448.5	555.1	661.7	859.9	1057.9	1256.0	1454.0	1597.3	1715.7	1680.3
50°	346.6	463.8	581.2	698.4	906.2	1114.0	1321.7	1529.5	1673.2	1782.4	1727.0
52.5°	359.8	490.9	622.1	753.1	974.1	1195.0	1416.0	1636.8	1775.8	1876.1	1798.5
55°	372.7	523.6	674.7	825.6	1063.3	1301.1	1538.8	1776.4	1914.8	2000.7	1895.4
57.5°	388.9	555.4	721.8	888.2	1142.4	1396.6	1650.7	1904.9	2040.2	2135.1	2025.7
60°	384.7	562.5	740.5	918.4	1177.3	1436.2	1695.1	1954.1	2114.8	2231.5	2157.3
62.5°	368.4	544.7	721.0	897.4	1151.8	1406.0	1660.3	1914.5	2107.1	2265.2	2240.3
65°	335.4	499.3	663.3	827.3	1070.1	1313.1	1555.9	1798.8	2036.4	2237.7	2246.6
67.5°	292.0	430.4	568.6	706.9	933.5	1160.0	1386.5	1613.0	1893.5	2128.2	2154.7
70°	246.1	349.9	454.0	557.8	757.2	956.6	1155.8	1355.2	1646.8	1883.0	1932.9
72.5°	197.3	264.1	330.8	397.5	541.4	685.2	829.1	972.9	1229.5	1412.8	1499.9
75°	127.8	158.2	188.6	219.0	314.9	410.6	506.5	602.2	772.5	907.5	1006.0
77.5°	56.9	63.1	69.2	75.4	149.3	223.3	297.3	371.3	445.3	526.8	549.9
80°	20.4	23.1	25.9	28.7	65.0	101.4	137.7	174.0	209.9	252.0	262.2
82.5°	8.5	8.5	8.4	8.3	21.2	34.2	47.2	60.2	69.5	79.9	81.9
85°	3.5	2.6	1.6	0.6	2.7	4.9	7.0	9.1	14.7	13.3	24.7
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: P596135
 CATALOG NUMBER: MSA-SA1A-722-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: P596135

CATALOG NUMBER: MSA-SA1A-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1
2.5°	330.8	330.6	330.3	330.1	329.8	325.4	321.0	316.6	312.3	317.7	323.1
5°	401.6	408.0	414.4	421.0	427.4	429.3	431.1	433.0	434.8	438.8	442.7
7.5°	427.6	438.5	449.3	460.1	470.9	480.9	490.8	500.8	510.8	508.3	505.8
10°	418.6	438.3	457.9	477.7	497.3	501.6	506.0	510.4	514.7	526.0	537.2
12.5°	408.9	432.5	456.1	479.7	503.2	516.3	529.3	542.4	555.5	566.9	578.2
15°	455.2	470.3	485.3	500.5	515.6	527.1	538.4	549.9	561.3	569.2	577.0
17.5°	516.1	523.5	530.9	538.4	545.9	554.9	563.9	572.9	581.9	586.6	591.3
20°	580.4	583.7	586.9	590.1	593.3	586.1	579.0	571.8	564.6	569.1	573.4
22.5°	645.1	646.2	647.4	648.5	649.6	632.9	616.3	599.6	582.9	575.9	568.8
25°	744.5	736.3	728.2	720.0	711.9	692.1	672.4	652.6	632.8	615.4	598.0
27.5°	852.2	824.5	797.0	769.3	741.8	722.0	702.2	682.5	662.7	636.5	610.3
30°	960.8	916.2	871.7	827.1	782.7	759.2	735.7	712.1	688.7	662.5	636.4
32.5°	1060.3	1006.7	953.1	899.4	845.8	806.3	766.7	727.2	687.7	669.4	651.1
35°	1142.9	1079.5	1016.1	952.6	889.3	850.1	810.9	771.8	732.6	705.5	678.4
37.5°	1283.9	1212.7	1141.4	1070.1	998.8	945.3	892.0	838.5	785.0	766.8	748.7
40°	1414.0	1324.2	1234.4	1144.6	1054.8	1009.9	965.2	920.4	875.7	845.9	816.3
42.5°	1517.4	1422.8	1328.3	1233.7	1139.0	1094.7	1050.5	1006.1	961.8	941.9	922.1
45°	1539.7	1450.6	1361.5	1272.3	1183.1	1157.3	1131.6	1105.8	1080.1	1066.4	1052.8
47.5°	1583.8	1487.1	1390.5	1293.8	1197.1	1185.5	1173.9	1162.1	1150.5	1157.1	1163.6
50°	1608.6	1509.9	1411.2	1312.5	1213.8	1217.1	1220.3	1223.6	1227.0	1273.4	1319.8
52.5°	1656.5	1556.8	1457.1	1357.4	1257.7	1278.7	1299.6	1320.6	1341.5	1405.5	1469.3
55°	1742.1	1644.1	1546.2	1448.1	1350.1	1377.8	1405.5	1433.3	1460.9	1528.9	1596.7
57.5°	1868.9	1771.7	1674.6	1577.4	1480.3	1507.9	1535.4	1563.0	1590.5	1651.9	1713.2
60°	2028.7	1928.9	1829.2	1729.4	1629.7	1640.1	1650.3	1660.7	1671.1	1737.0	1802.9
62.5°	2153.1	2061.3	1969.6	1877.8	1786.2	1774.7	1763.3	1751.8	1740.5	1790.6	1840.7
65°	2182.0	2117.4	2052.9	1988.3	1923.7	1888.3	1853.1	1817.8	1782.5	1802.7	1823.0
67.5°	2099.2	2055.6	2012.1	1968.5	1924.9	1851.2	1777.4	1703.5	1629.8	1619.1	1608.3
70°	1907.1	1883.3	1859.6	1835.7	1812.0	1698.4	1584.8	1471.2	1357.7	1330.4	1303.1
72.5°	1504.9	1519.7	1534.6	1549.5	1564.3	1442.7	1321.1	1199.4	1077.8	1043.2	1008.7
75°	1061.2	1111.5	1161.8	1212.0	1262.3	1151.4	1040.6	929.7	818.7	785.5	752.4
77.5°	575.4	669.6	763.9	858.1	952.4	860.9	769.4	677.9	586.4	563.3	540.3
80°	272.7	327.1	381.3	435.7	490.0	469.4	448.8	428.0	407.4	412.5	417.5
82.5°	83.6	122.9	162.2	201.5	240.8	243.8	246.8	249.9	253.0	260.6	268.2
85°	28.0	38.4	48.8	59.2	69.5	87.8	106.1	124.5	142.8	130.9	119.2
87.5°	0.0	0.4	0.6	1.0	1.2	3.8	6.4	9.0	11.6	10.0	8.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596135
 CATALOG NUMBER: MSA-SA1A-722-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: P596135

CATALOG NUMBER: MSA-SA1A-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1
2.5°	328.7	334.1	334.3	334.5	334.6	334.8	335.4	336.0	336.7	337.3	333.3
5°	446.8	450.7	443.5	436.2	428.8	421.5	428.0	434.6	441.1	447.7	444.8
7.5°	503.2	500.8	499.9	499.2	498.3	497.6	500.0	502.5	505.0	507.4	507.2
10°	548.5	559.7	562.4	565.1	568.0	570.7	565.0	559.3	553.6	548.0	545.6
12.5°	589.6	601.0	610.0	619.0	628.1	637.1	629.0	621.0	612.8	604.8	597.1
15°	584.9	592.7	600.1	607.5	614.9	622.3	619.6	617.0	614.3	611.6	610.3
17.5°	596.1	600.8	599.1	597.4	595.5	593.8	592.9	592.2	591.3	590.5	587.5
20°	577.9	582.3	581.2	580.2	579.1	578.0	577.2	576.5	575.8	575.0	572.7
22.5°	561.8	554.8	552.9	551.2	549.3	547.6	547.8	548.1	548.2	548.5	559.1
25°	580.6	563.2	556.4	549.6	542.6	535.9	538.9	541.9	545.0	548.1	563.4
27.5°	584.0	557.8	547.0	536.1	525.2	514.4	525.5	536.6	547.7	558.8	583.7
30°	610.2	584.2	569.0	553.9	538.7	523.6	537.8	552.0	566.2	580.4	607.4
32.5°	632.7	614.4	603.5	592.7	581.8	570.9	571.6	572.0	572.7	573.3	611.2
35°	651.2	624.2	614.3	604.5	594.7	584.9	599.6	614.3	629.0	643.7	677.8
37.5°	730.5	712.4	694.2	676.2	658.0	640.0	651.7	663.5	675.3	687.1	724.7
40°	786.5	756.8	752.1	747.6	742.9	738.3	744.4	750.3	756.3	762.4	795.4
42.5°	902.2	882.3	869.6	857.0	844.3	831.7	836.5	841.3	846.3	851.1	882.3
45°	1039.1	1025.4	1017.0	1008.6	1000.1	991.7	984.4	977.2	969.9	962.8	994.5
47.5°	1170.2	1176.7	1195.2	1213.6	1232.2	1250.6	1235.5	1220.4	1205.2	1190.2	1190.3
50°	1366.2	1412.5	1421.9	1431.2	1440.6	1449.8	1417.7	1385.6	1353.3	1321.2	1317.4
52.5°	1533.3	1597.2	1600.5	1603.9	1607.3	1610.7	1597.7	1584.7	1571.6	1558.6	1524.2
55°	1664.6	1732.5	1737.0	1741.5	1746.0	1750.5	1739.1	1727.9	1716.5	1705.2	1670.3
57.5°	1774.6	1835.8	1838.6	1841.2	1843.9	1846.6	1847.5	1848.3	1849.3	1850.2	1803.1
60°	1868.8	1934.8	1929.4	1924.0	1918.6	1913.3	1905.1	1897.0	1888.8	1880.7	1850.3
62.5°	1890.8	1941.0	1932.6	1924.3	1915.9	1907.6	1900.7	1893.9	1887.0	1880.1	1860.7
65°	1843.3	1863.5	1854.9	1846.2	1837.4	1828.8	1824.4	1820.0	1815.6	1811.1	1808.7
67.5°	1597.4	1586.7	1596.9	1607.2	1617.4	1627.7	1641.7	1655.6	1669.7	1683.7	1675.5
70°	1275.7	1248.4	1259.7	1271.0	1282.3	1293.6	1314.7	1335.8	1357.1	1378.2	1372.5
72.5°	974.1	939.5	941.1	942.7	944.5	946.1	945.5	945.0	944.4	943.7	953.6
75°	719.2	685.9	670.3	654.6	638.9	623.2	619.4	615.5	611.7	607.9	626.3
77.5°	517.2	494.2	483.5	472.9	462.1	451.5	456.9	462.4	467.9	473.4	479.8
80°	422.7	427.8	419.5	411.3	403.1	394.8	401.0	407.0	413.2	419.4	400.2
82.5°	275.8	283.4	257.9	232.5	207.0	181.6	197.0	212.5	228.0	243.5	235.6
85°	107.3	95.6	81.5	67.6	53.5	39.4	51.3	63.1	75.0	86.8	94.7
87.5°	6.9	5.4	4.3	3.2	2.0	0.9	1.9	2.8	4.0	4.9	8.3
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: P596135
 CATALOG NUMBER: MSA-SA1A-722-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: P596135

CATALOG NUMBER: MSA-SA1A-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1	261.1
2.5°	329.3	325.2	321.3	313.5	305.7	297.9	290.2	301.0	311.9	322.8	333.6
5°	442.1	439.3	436.5	437.3	438.0	438.9	439.6	441.2	442.8	444.3	445.9
7.5°	507.1	506.8	506.6	500.9	495.2	489.4	483.7	486.6	489.4	492.3	495.1
10°	543.4	541.0	538.7	526.2	513.7	501.1	488.7	483.2	477.7	472.2	466.8
12.5°	589.5	581.7	574.0	560.7	547.5	534.1	520.8	515.8	510.8	505.8	500.8
15°	609.2	608.0	606.9	597.4	587.7	578.2	568.6	551.7	534.6	517.7	500.8
17.5°	584.5	581.4	578.5	593.5	608.5	623.6	638.6	621.1	603.5	586.0	568.5
20°	570.3	568.0	565.6	593.7	621.6	649.6	677.5	669.8	661.9	654.1	646.3
22.5°	569.7	580.4	591.1	615.7	640.1	664.7	689.2	702.6	716.2	729.7	743.1
25°	578.7	594.2	609.5	650.2	691.0	731.9	772.7	788.1	803.4	818.9	834.2
27.5°	608.4	633.2	657.9	693.5	729.0	764.7	800.3	834.0	867.9	901.6	935.3
30°	634.2	661.1	688.0	730.4	772.7	815.0	857.3	899.5	941.8	984.0	1026.3
32.5°	649.1	687.2	725.1	776.6	828.0	879.5	931.0	977.3	1023.7	1069.9	1116.2
35°	711.9	746.1	780.2	837.1	894.1	951.1	1008.1	1065.4	1122.7	1179.9	1237.2
37.5°	762.4	800.2	837.9	900.1	962.3	1024.5	1086.8	1166.0	1245.3	1324.4	1403.6
40°	828.4	861.3	894.3	952.6	1010.8	1069.1	1127.4	1227.8	1328.3	1428.6	1529.0
42.5°	913.5	944.7	976.0	1038.4	1100.7	1163.1	1225.5	1336.7	1447.8	1558.9	1670.1
45°	1026.3	1058.1	1089.9	1139.5	1189.2	1238.8	1288.5	1406.7	1524.8	1643.0	1761.1
47.5°	1190.4	1190.5	1190.7	1226.5	1262.3	1298.3	1334.1	1453.2	1572.1	1691.2	1810.1
50°	1313.6	1309.6	1305.8	1324.3	1342.7	1361.3	1379.8	1489.4	1599.0	1708.6	1818.2
52.5°	1489.8	1455.4	1421.0	1432.0	1442.9	1453.9	1464.8	1557.5	1650.4	1743.2	1836.0
55°	1635.6	1600.8	1565.9	1561.9	1557.8	1553.7	1549.6	1635.0	1720.3	1805.7	1891.1
57.5°	1756.2	1709.1	1662.2	1652.8	1643.5	1634.1	1624.7	1714.8	1804.7	1894.8	1984.7
60°	1820.0	1789.6	1759.3	1753.2	1747.0	1741.0	1734.8	1808.7	1882.5	1956.4	2030.3
62.5°	1841.4	1822.0	1802.7	1814.1	1825.5	1837.0	1848.3	1880.8	1913.2	1945.7	1978.0
65°	1806.3	1803.8	1801.4	1824.7	1847.9	1871.3	1894.6	1886.6	1878.5	1870.4	1862.4
67.5°	1667.5	1659.3	1651.3	1702.6	1753.7	1805.0	1856.2	1817.3	1778.3	1739.4	1700.5
70°	1366.8	1361.0	1355.3	1429.2	1503.1	1577.1	1650.9	1603.7	1556.5	1509.4	1462.2
72.5°	963.4	973.3	983.1	1070.2	1157.2	1244.3	1331.2	1283.7	1236.1	1188.6	1141.0
75°	644.6	663.0	681.4	771.0	860.7	950.5	1040.2	984.4	928.5	872.7	816.9
77.5°	486.2	492.6	499.0	555.7	612.4	669.3	726.0	679.9	633.7	587.6	541.4
80°	381.1	361.8	342.7	361.3	380.0	398.6	417.3	389.7	362.2	334.8	307.2
82.5°	227.7	219.8	211.8	222.0	232.0	242.1	252.2	240.4	228.4	216.5	204.6
85°	102.5	110.4	118.2	128.5	138.6	148.8	159.1	142.5	126.0	109.4	92.9
87.5°	11.5	14.8	18.2	22.5	26.8	31.1	35.5	27.7	19.8	12.0	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	261.1	261.1
2.5°	339.9	346.2
5°	445.8	445.6
7.5°	487.7	480.1
10°	459.9	453.0
12.5°	483.1	465.4
15°	487.4	474.1
17.5°	546.7	524.9
20°	618.2	590.1
22.5°	704.6	665.9
25°	788.2	742.3
27.5°	907.8	880.1
30°	998.3	970.3
32.5°	1097.2	1078.1
35°	1218.3	1199.3
37.5°	1408.6	1413.4
40°	1532.0	1534.9
42.5°	1681.6	1693.0
45°	1774.0	1786.8
47.5°	1828.1	1846.0
50°	1847.1	1876.0
52.5°	1871.7	1907.2
55°	1930.7	1970.4
57.5°	2016.3	2047.9
60°	2031.8	2033.2
62.5°	1955.2	1932.3
65°	1838.1	1813.7
67.5°	1685.8	1670.9
70°	1442.7	1423.1
72.5°	1104.7	1068.4
75°	771.9	726.9
77.5°	517.8	494.2
80°	307.9	308.6
82.5°	210.2	215.8
85°	91.8	90.5
87.5°	3.0	1.6
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: P596135
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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)