

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: P596157

Luminaire Tested: **MSA-SA1B-722-U-SLR-HSS**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P596157
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-SA1B-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: 2716 lumens
Efficiency: N/A
Efficacy: 61.7 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

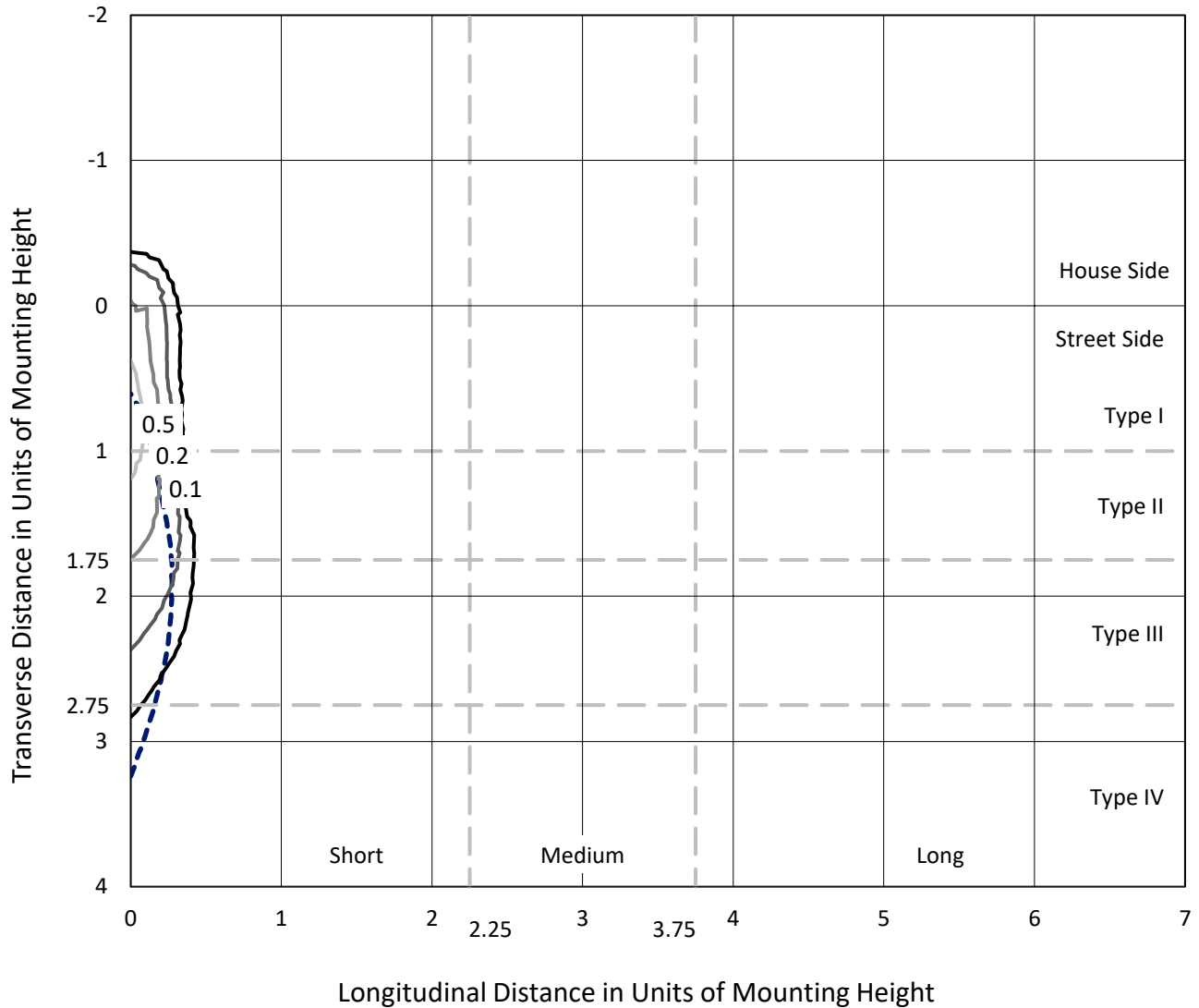
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

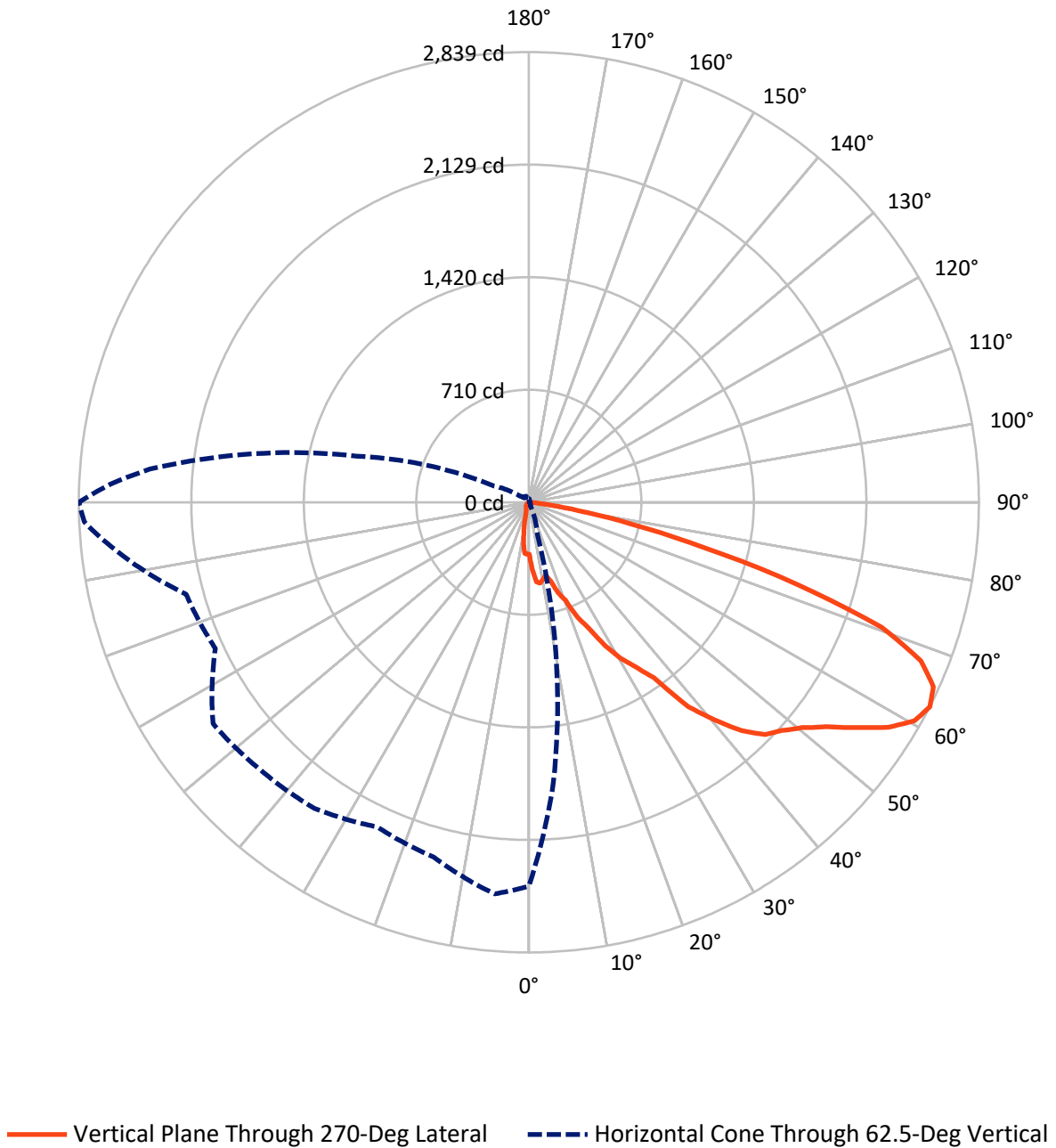
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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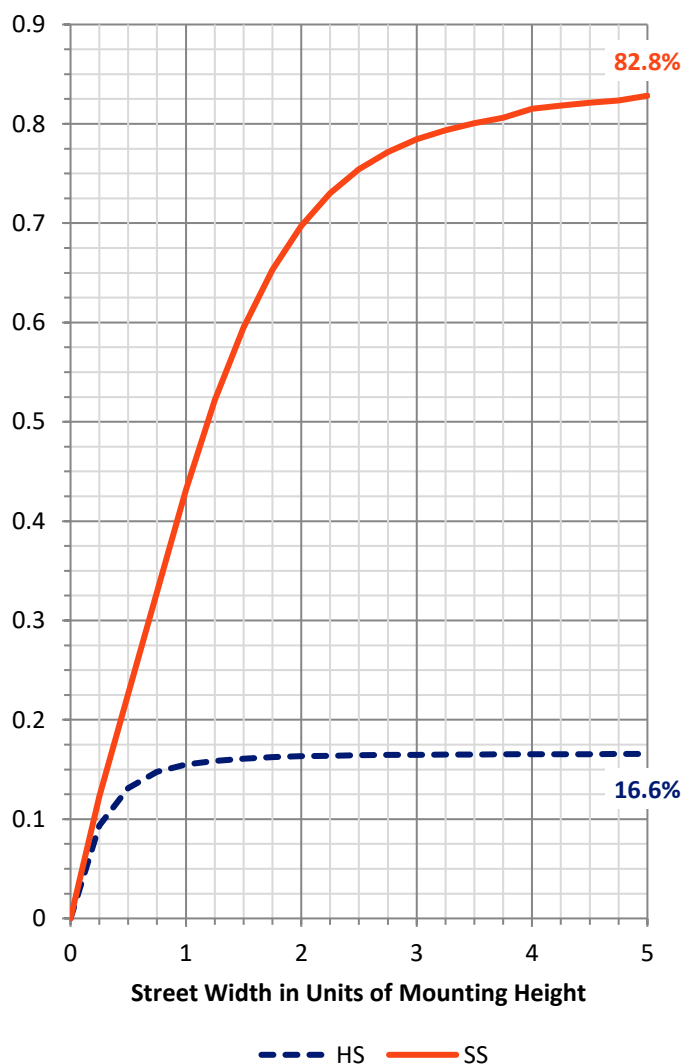
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	453.5	0.0	453.5
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	2262.5	0.0	2262.5
	% Fixture	83.3	0.0	83.3
Total	Lumens	2716.0	0.0	2716.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.6	1.3
10°-20°	95.5	3.5
20°-30°	154.4	5.7
30°-40°	258.6	9.5
40°-50°	422.7	15.6
50°-60°	625.8	23.0
60°-70°	718.4	26.5
70°-80°	355.2	13.1
80°-90°	48.8	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°	2716.0	100.0
0°-180°	2716.0	100.0

Coefficient of Utilization

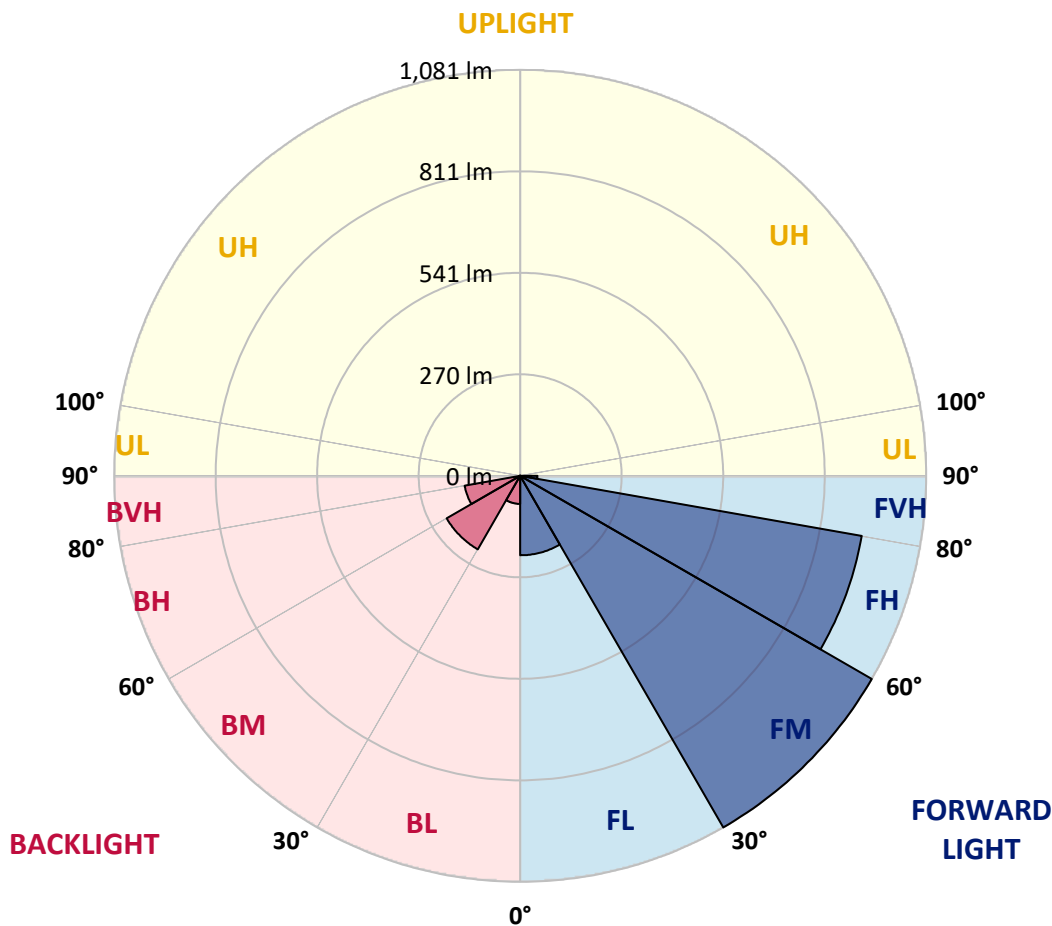


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	211.6	7.8			
FM (30°-60°)	1081.1	39.8			
FH (60°-80°)	923.6	34.0			G1/1800
FVH (80°-90°)	46.2	1.7			G1/100
BL (0°-30°)	74.9	2.8	B0/110		
BM (30°-60°)	226.0	8.3	B1/1000		
BH (60°-80°)	150.1	5.5	B1/500		G1/500
BVH (80°-90°)	2.6	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°	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3
2.5°	434.0	439.4	444.6	434.6	424.5	414.5	404.4	395.4	386.4	377.3	368.3
5°	558.4	548.5	538.6	525.0	511.4	497.7	484.1	477.8	471.4	465.1	458.7
7.5°	601.8	584.1	566.3	554.3	542.3	530.3	518.2	499.1	479.9	460.9	441.7
10°	567.7	549.0	530.1	519.6	509.1	498.5	488.0	464.3	440.5	416.8	392.9
12.5°	583.4	563.1	542.8	521.1	499.5	477.8	456.1	438.0	419.7	401.6	383.3
15°	594.2	571.0	547.6	522.8	498.1	473.3	448.5	427.2	405.9	384.6	363.2
17.5°	657.8	624.5	591.3	553.2	515.1	477.0	438.9	414.1	389.5	364.8	340.0
20°	739.6	692.4	645.0	593.4	541.9	490.3	438.8	408.0	377.1	346.3	315.5
22.5°	834.6	775.7	716.5	652.9	589.4	525.8	462.1	417.9	373.6	329.3	285.0
25°	930.3	877.1	823.8	738.2	652.6	566.8	481.2	425.0	368.6	312.4	256.1
27.5°	1103.1	1007.9	912.7	803.7	694.8	585.8	476.8	412.4	348.0	283.5	219.1
30°	1216.1	1142.9	1069.5	925.5	781.7	637.7	493.7	412.1	330.5	248.8	167.2
32.5°	1351.3	1244.1	1136.8	980.6	824.4	668.2	512.0	416.2	320.2	224.3	128.3
35°	1503.2	1386.6	1270.0	1072.1	874.3	676.3	478.4	385.5	292.6	199.7	106.8
37.5°	1771.5	1576.4	1381.3	1150.6	919.8	689.1	458.3	365.5	272.6	179.9	87.0
40°	1923.8	1737.6	1551.3	1263.0	974.8	686.5	398.2	315.8	233.6	151.3	68.9
42.5°	2122.0	1885.7	1649.3	1327.1	1004.9	682.8	360.6	284.4	208.2	131.9	55.7
45°	2239.5	1971.8	1704.1	1355.0	1005.9	656.7	307.6	241.7	175.7	109.8	43.8
47.5°	2313.6	2045.2	1776.7	1401.9	1027.2	652.4	277.6	216.9	156.2	95.5	34.8
50°	2351.3	2082.0	1812.6	1427.4	1042.3	656.9	271.7	211.3	150.8	90.4	29.9
52.5°	2390.4	2130.8	1871.0	1471.7	1072.4	673.2	273.9	212.3	150.8	89.2	27.6
55°	2469.5	2213.5	1957.2	1535.2	1113.2	691.1	269.1	208.4	147.7	86.9	26.2
57.5°	2566.8	2293.0	2019.2	1581.6	1144.1	706.6	269.1	208.1	147.1	85.9	24.9
60°	2548.3	2251.2	1954.0	1529.5	1105.0	680.3	255.8	197.7	139.8	81.7	23.7
62.5°	2421.9	2099.4	1776.7	1384.4	991.9	599.6	207.1	160.9	114.6	68.1	21.8
65°	2273.2	1930.9	1588.5	1227.4	866.2	505.2	144.0	113.0	81.9	50.9	19.8
67.5°	2094.3	1729.2	1364.1	1043.0	722.1	401.0	79.9	64.4	48.9	33.3	17.8
70°	1783.7	1406.9	1029.9	783.1	536.5	289.7	42.9	36.2	29.6	22.9	16.3
72.5°	1339.0	993.8	648.5	492.6	336.9	181.0	25.1	22.6	20.0	17.5	14.9
75°	911.1	652.4	393.7	299.7	205.9	111.9	18.0	16.7	15.3	14.1	12.7
77.5°	619.4	448.1	276.7	211.2	145.7	80.2	14.7	13.9	13.2	12.2	11.5
80°	386.7	264.7	142.7	109.9	76.9	44.1	11.1	10.7	10.2	9.6	9.1
82.5°	270.5	161.8	53.1	41.5	29.9	18.1	6.5	6.7	6.8	6.8	7.0
85°	113.5	61.3	9.1	7.7	6.3	5.0	3.6	3.9	4.3	4.6	5.0
87.5°	2.0	1.1	0.0	0.3	0.8	1.1	1.4	1.9	2.2	2.6	2.9
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):

	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°	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3
2.5°	370.6	373.0	375.1	377.5	375.6	373.9	372.0	370.2	367.4	364.8	362.0
5°	451.0	443.3	435.5	427.8	416.0	404.2	392.3	380.5	379.2	377.8	376.2
7.5°	423.6	405.5	387.2	369.1	352.1	335.0	318.0	301.0	295.7	290.6	285.3
10°	379.0	365.1	351.0	337.0	324.8	312.4	300.2	287.8	275.0	262.1	249.1
12.5°	368.8	354.2	339.5	325.0	313.8	302.7	291.5	280.4	266.0	251.6	237.2
15°	347.4	331.6	315.8	300.0	285.2	270.3	255.3	240.4	223.1	205.8	188.4
17.5°	321.3	302.7	283.9	265.2	245.7	226.2	206.7	187.2	167.2	147.4	127.4
20°	290.1	264.7	239.2	213.8	189.7	165.5	141.2	117.0	104.5	92.1	79.6
22.5°	252.2	219.2	186.4	153.4	133.6	113.6	93.8	73.8	68.4	63.0	57.6
25°	218.8	181.4	144.1	106.8	94.3	81.7	69.2	56.7	54.2	51.6	49.1
27.5°	183.9	148.9	113.8	78.6	71.5	64.3	57.1	49.9	48.1	46.6	44.9
30°	141.0	114.9	88.6	62.4	57.7	53.1	48.3	43.7	42.9	42.0	41.2
32.5°	109.3	90.1	71.1	51.9	49.2	46.6	44.0	41.3	40.1	38.9	37.5
35°	91.3	76.0	60.5	45.1	43.2	41.2	39.3	37.3	36.1	34.7	33.4
37.5°	75.7	64.6	53.3	42.0	39.9	37.9	35.8	33.8	32.8	31.9	31.0
40°	62.4	55.9	49.4	42.9	39.9	37.0	34.1	31.1	30.3	29.6	28.8
42.5°	51.6	47.4	43.0	38.9	36.7	34.7	32.5	30.3	29.3	28.0	26.9
45°	41.6	39.3	37.2	34.8	35.0	35.1	35.1	35.3	32.5	29.6	26.8
47.5°	33.8	32.7	31.4	30.3	31.6	32.8	33.9	35.1	32.2	29.3	26.2
50°	29.0	28.2	27.2	26.3	27.6	29.0	30.2	31.4	30.2	29.1	27.9
52.5°	26.5	25.4	24.3	23.2	23.7	24.3	24.8	25.2	25.2	25.2	25.2
55°	24.9	23.8	22.6	21.4	20.9	20.3	19.8	19.2	18.4	17.8	17.0
57.5°	23.7	22.4	21.1	19.8	19.0	18.1	17.3	16.4	15.6	14.7	13.9
60°	22.4	21.2	19.8	18.6	17.8	17.0	16.1	15.3	14.4	13.6	12.7
62.5°	20.7	19.7	18.6	17.5	16.7	16.1	15.3	14.6	13.6	12.7	11.6
65°	18.9	18.1	17.2	16.3	15.5	14.7	13.9	13.2	12.2	11.5	10.5
67.5°	17.2	16.4	15.8	15.0	14.1	13.3	12.4	11.5	10.8	10.2	9.4
70°	15.8	15.2	14.7	14.1	13.2	12.4	11.5	10.5	10.1	9.4	9.0
72.5°	14.4	13.9	13.3	12.9	12.1	11.3	10.5	9.8	9.3	8.8	8.4
75°	12.4	12.1	11.8	11.5	10.7	9.9	9.0	8.2	8.1	7.9	7.7
77.5°	11.1	11.0	10.7	10.4	9.6	8.8	8.1	7.3	7.4	7.6	7.6
80°	9.1	9.1	9.0	9.0	8.4	7.7	7.0	6.3	6.7	7.1	7.4
82.5°	7.0	7.0	7.0	7.0	6.3	5.7	5.1	4.5	5.0	5.3	5.7
85°	4.8	4.6	4.5	4.3	3.9	3.6	3.1	2.6	3.3	3.7	4.3
87.5°	2.9	3.1	3.1	3.1	2.8	2.3	2.0	1.5	1.9	2.0	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):

	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: P596157
 CATALOG NUMBER: MSA-SA1B-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3
2.5°	359.2	354.5	349.9	345.1	340.5	329.6	318.8	307.9	297.1	305.2	313.0
5°	374.8	365.8	356.7	347.7	338.6	334.6	330.7	326.7	322.6	323.3	324.0
7.5°	280.1	274.2	268.3	262.3	256.4	255.1	254.1	252.8	251.6	254.2	256.7
10°	236.3	228.1	219.7	211.5	203.1	198.6	194.1	189.7	185.2	184.7	184.1
12.5°	222.8	210.2	197.9	185.3	172.8	163.0	153.3	143.5	133.8	134.5	135.3
15°	171.1	158.5	146.2	133.6	121.1	113.2	105.1	97.2	89.2	86.9	84.5
17.5°	107.4	98.2	88.9	79.4	70.1	67.5	65.0	62.4	59.8	59.0	58.2
20°	67.0	63.0	59.0	54.8	50.8	50.2	49.5	48.9	48.3	48.8	49.2
22.5°	52.2	50.5	48.6	46.9	45.1	44.4	43.8	43.2	42.6	43.0	43.3
25°	46.4	45.2	44.0	42.7	41.5	40.9	40.1	39.5	38.7	39.0	39.5
27.5°	43.2	42.1	41.0	39.9	38.9	37.8	36.8	35.8	34.7	35.3	35.8
30°	40.3	39.0	37.9	36.7	35.5	34.4	33.3	32.0	31.0	31.6	32.2
32.5°	36.2	35.1	33.9	32.8	31.6	31.0	30.3	29.6	29.0	29.4	29.7
35°	32.0	31.1	30.3	29.4	28.5	27.9	27.4	26.8	26.2	26.3	26.6
37.5°	30.0	29.0	27.9	26.8	25.7	25.4	25.1	24.6	24.3	24.3	24.3
40°	28.0	26.9	25.9	24.6	23.5	23.1	22.6	22.1	21.7	21.7	21.7
42.5°	25.7	24.6	23.5	22.4	21.4	20.9	20.3	19.8	19.2	19.2	19.2
45°	23.8	22.8	21.8	20.7	19.7	18.9	18.1	17.2	16.4	16.3	16.1
47.5°	23.2	21.7	20.1	18.6	17.0	16.3	15.5	14.6	13.8	13.6	13.5
50°	26.6	23.5	20.4	17.3	14.2	13.6	13.0	12.4	11.8	11.5	11.3
52.5°	25.2	22.0	18.7	15.5	12.2	11.8	11.3	10.8	10.4	10.1	9.8
55°	16.3	14.9	13.6	12.2	10.8	10.5	10.2	9.8	9.4	9.1	8.8
57.5°	13.0	12.2	11.6	10.8	10.1	9.8	9.4	9.0	8.7	8.2	7.9
60°	11.8	11.1	10.5	9.9	9.3	9.0	8.7	8.4	8.1	7.6	7.3
62.5°	10.7	10.2	9.8	9.3	8.8	8.5	8.2	7.9	7.6	7.1	6.7
65°	9.6	9.3	9.0	8.7	8.4	8.1	7.7	7.3	7.0	6.5	6.0
67.5°	8.8	8.7	8.5	8.4	8.2	7.9	7.4	7.1	6.7	6.2	5.6
70°	8.4	8.4	8.4	8.2	8.2	7.9	7.4	7.1	6.7	6.0	5.6
72.5°	7.9	8.1	8.2	8.2	8.4	7.9	7.4	7.0	6.5	5.9	5.4
75°	7.6	7.7	7.9	7.9	8.1	7.7	7.4	7.0	6.7	6.0	5.4
77.5°	7.7	7.9	7.9	8.1	8.1	7.7	7.4	7.0	6.7	5.9	5.1
80°	7.7	7.6	7.4	7.1	7.0	6.3	5.7	5.0	4.3	3.4	2.6
82.5°	6.0	5.7	5.6	5.3	5.0	4.3	3.7	3.1	2.5	1.9	1.2
85°	4.8	4.5	4.3	4.0	3.7	3.3	2.6	2.2	1.5	1.2	0.8
87.5°	2.5	2.3	2.0	1.9	1.5	1.2	0.8	0.5	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: P596157
 CATALOG NUMBER: MSA-SA1B-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: P596157
 CATALOG NUMBER: MSA-SA1B-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°	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3
2.5°	321.1	329.0	327.9	326.8	331.9	337.0	333.3	329.8	326.1	322.3	314.6
5°	324.7	325.3	324.2	323.0	323.1	323.3	320.8	318.3	315.8	313.4	312.9
7.5°	259.3	261.8	265.2	268.5	268.6	268.6	266.8	264.9	262.9	261.0	262.0
10°	183.6	183.0	183.9	184.9	184.7	184.4	189.3	194.3	199.1	204.1	200.5
12.5°	135.9	136.7	132.8	129.0	130.4	131.6	132.4	133.1	133.9	134.7	136.9
15°	82.2	79.9	77.1	74.3	75.7	76.9	78.3	79.6	81.0	82.2	83.6
17.5°	57.3	56.5	55.3	53.9	54.0	54.2	54.3	54.5	54.5	54.7	55.0
20°	49.7	50.2	49.2	48.1	47.8	47.4	47.1	46.8	46.3	46.0	45.5
22.5°	43.8	44.1	44.3	44.3	43.7	42.9	42.3	41.8	41.2	40.6	40.3
25°	39.8	40.1	39.8	39.3	39.0	38.7	38.4	37.9	37.6	37.2	37.0
27.5°	36.4	36.8	36.8	36.7	36.4	35.9	35.1	34.5	33.8	33.0	33.1
30°	32.8	33.4	33.4	33.3	33.1	33.0	32.2	31.4	30.7	29.9	30.2
32.5°	30.2	30.5	30.3	30.2	30.2	30.0	29.4	29.0	28.3	27.7	27.7
35°	26.8	26.9	26.9	26.9	26.9	26.8	26.3	25.9	25.4	24.9	25.1
37.5°	24.3	24.3	24.8	25.1	24.8	24.5	24.2	23.7	23.4	22.9	22.9
40°	21.5	21.5	22.0	22.3	22.0	21.7	21.5	21.2	21.1	20.7	20.7
42.5°	19.0	19.0	19.5	19.8	19.8	19.7	19.4	19.0	18.7	18.4	18.6
45°	15.9	15.8	16.6	17.2	16.9	16.6	16.6	16.4	16.4	16.3	16.4
47.5°	13.2	13.0	13.6	14.2	14.1	13.8	13.8	13.8	13.8	13.8	13.9
50°	11.0	10.7	11.3	11.8	11.6	11.3	11.3	11.5	11.5	11.5	11.6
52.5°	9.4	9.1	9.6	9.9	9.8	9.6	9.6	9.8	9.8	9.8	9.9
55°	8.4	8.1	8.5	8.8	8.7	8.4	8.5	8.5	8.7	8.7	8.7
57.5°	7.4	7.0	7.3	7.6	7.6	7.4	7.6	7.6	7.7	7.7	7.7
60°	6.8	6.3	6.7	6.8	6.8	6.7	6.8	6.8	7.0	7.0	7.0
62.5°	6.0	5.6	5.9	6.0	6.0	5.9	6.0	6.0	6.2	6.2	6.2
65°	5.4	5.0	5.1	5.3	5.3	5.3	5.4	5.4	5.6	5.6	5.6
67.5°	5.1	4.5	4.6	4.8	4.8	4.8	5.0	5.0	5.1	5.1	5.3
70°	5.0	4.3	4.5	4.5	4.6	4.6	4.6	4.8	4.8	4.8	4.8
72.5°	4.8	4.2	4.2	4.2	4.3	4.3	4.3	4.5	4.5	4.5	4.5
75°	4.8	4.2	4.0	3.9	4.0	4.0	4.0	4.2	4.2	4.2	4.2
77.5°	4.2	3.4	3.1	2.6	3.1	3.4	3.6	3.6	3.7	3.7	3.7
80°	1.7	0.8	0.5	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1
82.5°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.5	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: P596157
 CATALOG NUMBER: MSA-SA1B-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: P596157
 CATALOG NUMBER: MSA-SA1B-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3
2.5°	306.9	299.1	291.4	295.1	298.8	302.5	306.2	305.9	305.5	305.2	304.7
5°	312.6	312.1	311.7	309.5	307.5	305.3	303.1	302.7	302.1	301.6	301.0
7.5°	262.9	263.7	264.6	262.1	259.6	257.2	254.7	248.3	242.0	235.5	229.1
10°	196.9	193.2	189.7	189.3	189.0	188.7	188.4	187.8	187.2	186.4	185.8
12.5°	139.2	141.4	143.5	142.7	142.0	141.0	140.3	141.4	142.6	143.7	144.8
15°	84.8	86.2	87.5	90.3	93.0	95.8	98.6	99.7	100.9	102.0	103.1
17.5°	55.3	55.4	55.7	58.8	61.8	64.9	67.8	69.8	71.8	73.7	75.7
20°	45.1	44.6	44.1	45.8	47.5	49.2	50.9	52.8	54.7	56.5	58.4
22.5°	40.1	39.8	39.5	40.1	40.7	41.2	41.8	43.2	44.7	46.1	47.5
25°	36.8	36.5	36.4	36.7	37.0	37.3	37.6	38.4	39.2	39.9	40.7
27.5°	33.1	33.3	33.3	33.6	33.8	34.1	34.2	34.5	35.0	35.3	35.6
30°	30.3	30.7	30.8	31.1	31.3	31.6	31.7	31.6	31.4	31.3	31.1
32.5°	27.7	27.6	27.6	27.9	28.0	28.3	28.5	28.8	29.1	29.3	29.6
35°	25.1	25.2	25.2	25.2	25.4	25.4	25.4	25.7	26.2	26.5	26.8
37.5°	22.8	22.8	22.6	23.1	23.4	23.8	24.2	24.5	24.9	25.2	25.5
40°	20.7	20.7	20.7	21.1	21.4	21.5	21.8	22.6	23.4	24.2	24.9
42.5°	18.6	18.7	18.7	19.0	19.4	19.5	19.8	20.4	20.9	21.5	22.0
45°	16.6	16.7	16.9	17.2	17.3	17.6	17.8	18.1	18.3	18.6	18.7
47.5°	14.2	14.4	14.6	14.9	15.0	15.3	15.5	15.3	15.3	15.2	15.0
50°	11.9	12.1	12.2	12.7	13.0	13.5	13.8	13.5	13.2	12.7	12.4
52.5°	10.1	10.1	10.2	10.5	10.8	11.0	11.3	11.1	11.0	10.8	10.7
55°	8.7	8.7	8.7	8.8	9.0	9.1	9.3	9.4	9.4	9.6	9.6
57.5°	7.7	7.6	7.6	7.7	7.9	7.9	8.1	8.2	8.2	8.4	8.4
60°	7.0	6.8	6.8	7.0	7.1	7.3	7.4	7.4	7.4	7.3	7.3
62.5°	6.2	6.2	6.2	6.3	6.3	6.5	6.5	6.5	6.7	6.7	6.7
65°	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.7	5.7	5.9	5.9
67.5°	5.3	5.4	5.4	5.3	5.1	5.0	4.8	5.0	5.0	5.1	5.1
70°	4.8	4.8	4.8	4.6	4.5	4.3	4.2	4.2	4.2	4.0	4.0
72.5°	4.5	4.3	4.3	4.2	3.9	3.7	3.4	3.3	3.3	3.1	2.9
75°	4.2	4.0	4.0	3.7	3.4	3.1	2.8	2.6	2.3	2.2	1.9
77.5°	3.7	3.7	3.7	3.3	2.9	2.5	2.0	1.7	1.4	0.9	0.6
80°	1.2	1.4	1.5	1.4	1.4	1.2	1.1	0.8	0.6	0.3	0.0
82.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596157
 CATALOG NUMBER: MSA-SA1B-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: P596157
 CATALOG NUMBER: MSA-SA1B-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°	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3
2.5°	306.4	308.1	309.8	311.5	311.7	311.8	312.0	312.1	308.2	304.2	300.4
5°	304.1	307.3	310.4	313.5	311.8	310.1	308.4	306.7	306.5	306.5	306.4
7.5°	229.6	229.9	230.4	230.7	231.3	231.9	232.4	233.0	235.5	238.0	240.3
10°	183.8	181.8	179.6	177.6	176.0	174.3	172.8	171.1	172.3	173.7	174.9
12.5°	143.1	141.4	139.5	137.8	137.2	136.6	135.8	135.2	139.2	143.2	147.1
15°	102.8	102.5	102.0	101.7	103.7	105.7	107.8	109.8	113.2	116.4	119.8
17.5°	76.5	77.3	78.0	78.8	80.0	81.3	82.4	83.6	86.1	88.7	91.2
20°	59.3	60.4	61.3	62.2	61.9	61.6	61.2	60.8	62.9	64.9	66.7
22.5°	48.5	49.2	50.2	50.9	51.1	51.2	51.4	51.6	52.8	53.9	55.1
25°	41.5	42.4	43.2	44.0	44.1	44.3	44.4	44.6	46.1	47.7	49.1
27.5°	36.7	37.6	38.7	39.6	39.9	40.3	40.6	40.9	41.8	42.6	43.5
30°	32.4	33.6	34.8	36.1	36.5	37.0	37.5	37.9	38.9	39.9	40.9
32.5°	30.2	31.0	31.6	32.2	33.3	34.2	35.3	36.2	37.3	38.6	39.6
35°	27.7	28.5	29.4	30.2	31.0	31.7	32.4	33.1	33.8	34.4	34.8
37.5°	26.2	26.9	27.6	28.2	28.5	28.8	29.0	29.3	29.6	29.9	30.0
40°	24.9	24.8	24.8	24.6	24.9	25.4	25.7	26.0	26.9	27.7	28.6
42.5°	21.7	21.2	20.9	20.4	21.2	21.8	22.6	23.2	24.5	25.7	26.9
45°	18.4	18.1	17.6	17.3	18.4	19.5	20.6	21.7	23.1	24.3	25.7
47.5°	15.2	15.3	15.3	15.5	16.6	17.6	18.6	19.7	21.1	22.4	23.8
50°	12.7	13.0	13.3	13.6	14.7	15.6	16.7	17.6	19.2	20.6	22.1
52.5°	11.1	11.6	11.9	12.4	13.3	14.4	15.3	16.3	17.6	19.0	20.4
55°	10.1	10.7	11.1	11.6	12.4	13.2	13.9	14.7	16.1	17.5	18.7
57.5°	8.8	9.3	9.8	10.2	11.0	11.8	12.4	13.2	14.4	15.8	17.0
60°	7.7	8.1	8.5	8.8	9.4	10.2	10.8	11.5	12.7	13.9	15.0
62.5°	6.8	7.1	7.3	7.4	8.1	8.7	9.3	9.9	11.0	12.2	13.3
65°	6.0	6.2	6.2	6.3	6.8	7.4	7.9	8.4	9.6	10.7	11.9
67.5°	5.1	5.3	5.3	5.3	5.7	6.2	6.7	7.1	8.2	9.4	10.5
70°	4.0	4.2	4.2	4.2	4.6	5.3	5.7	6.2	7.1	8.1	9.0
72.5°	3.1	3.1	3.3	3.3	3.7	4.3	4.8	5.3	6.0	6.8	7.6
75°	2.0	2.2	2.2	2.3	2.8	3.4	3.9	4.3	5.1	5.9	6.5
77.5°	0.8	1.1	1.2	1.4	1.9	2.3	2.8	3.3	3.9	4.6	5.3
80°	0.0	0.2	0.2	0.2	0.5	0.6	0.9	1.1	1.5	2.2	2.6
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: P596157
 CATALOG NUMBER: MSA-SA1B-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: P596157
 CATALOG NUMBER: MSA-SA1B-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3
2.5°	296.3	304.8	313.4	321.9	330.4	340.9	351.4	353.0	354.5	352.7	351.0
5°	306.2	310.4	314.4	318.6	322.6	334.7	346.6	346.8	346.8	347.0	347.0
7.5°	242.8	246.3	249.9	253.3	256.8	264.7	272.6	275.6	278.4	277.7	277.1
10°	176.2	180.8	185.3	190.0	194.5	201.7	209.0	211.8	214.4	222.9	231.6
12.5°	151.1	155.6	160.1	164.4	168.9	176.3	183.8	189.2	194.5	199.7	205.0
15°	123.1	126.6	130.4	133.9	137.5	140.9	144.3	151.0	157.5	162.7	168.0
17.5°	93.7	95.2	96.6	98.2	99.5	101.1	102.6	105.4	108.1	112.7	117.2
20°	68.7	70.0	71.2	72.3	73.5	75.1	76.6	78.6	80.5	81.6	82.5
22.5°	56.2	58.1	59.9	61.6	63.5	64.6	65.6	66.3	66.9	67.3	67.8
25°	50.6	52.3	53.9	55.6	57.1	57.6	58.1	59.3	60.5	60.5	60.5
27.5°	44.3	46.6	49.1	51.4	53.7	54.3	54.8	55.3	55.6	55.0	54.2
30°	41.8	44.1	46.4	48.6	50.9	51.9	52.6	53.1	53.6	52.8	52.0
32.5°	40.7	42.9	44.9	47.1	49.1	50.3	51.4	52.6	53.7	53.9	54.2
35°	35.5	36.8	38.4	39.8	41.2	41.8	42.4	42.9	43.2	43.2	43.2
37.5°	30.3	32.2	34.2	36.1	37.9	39.3	40.7	40.9	40.9	41.2	41.6
40°	29.4	31.3	33.1	34.8	36.7	38.2	39.6	39.8	39.9	40.3	40.6
42.5°	28.2	30.2	32.2	34.2	36.2	37.8	39.2	39.2	39.0	39.5	39.8
45°	26.9	29.0	30.8	32.8	34.7	36.7	38.6	38.1	37.5	38.2	38.9
47.5°	25.2	27.4	29.6	31.6	33.8	35.6	37.3	37.0	36.5	37.3	38.1
50°	23.5	25.7	27.9	30.0	32.2	34.2	36.1	35.8	35.5	36.4	37.2
52.5°	21.8	24.0	26.3	28.5	30.7	32.4	33.9	33.8	33.6	34.5	35.6
55°	20.1	22.1	24.3	26.3	28.3	30.2	31.9	31.6	31.3	32.0	32.8
57.5°	18.3	20.3	22.1	24.2	26.0	27.6	29.0	28.5	28.0	29.0	29.9
60°	16.3	18.1	20.0	21.7	23.5	24.8	25.9	25.5	25.1	26.0	26.9
62.5°	14.4	16.1	17.8	19.4	21.1	22.0	22.9	22.6	22.3	23.2	24.3
65°	13.0	14.4	15.6	17.0	18.3	19.2	20.1	19.7	19.2	20.3	21.2
67.5°	11.6	12.7	13.9	15.0	16.1	16.9	17.6	17.3	16.9	17.6	18.4
70°	9.9	11.0	12.1	13.0	14.1	14.9	15.6	15.2	14.6	15.3	16.1
72.5°	8.4	9.3	10.2	11.0	11.9	12.5	13.2	12.7	12.2	12.9	13.5
75°	7.3	8.1	8.8	9.4	10.2	10.5	10.8	10.7	10.4	11.0	11.5
77.5°	5.9	6.5	7.3	7.9	8.5	8.5	8.5	8.7	8.7	9.3	10.1
80°	3.1	3.7	4.3	4.8	5.4	5.4	5.3	5.6	5.7	6.5	7.3
82.5°	0.0	0.5	0.9	1.4	1.9	1.7	1.4	1.5	1.5	1.9	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3
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: P596157
 CATALOG NUMBER: MSA-SA1B-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: P596157
 CATALOG NUMBER: MSA-SA1B-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°	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3
2.5°	349.1	347.3	346.0	344.9	343.7	342.5	344.0	345.6	347.0	348.5	353.1
5°	347.1	347.1	346.0	344.9	343.9	342.8	345.1	347.3	349.6	351.8	351.6
7.5°	276.4	275.7	282.2	288.6	295.1	301.4	303.1	304.8	306.4	308.1	307.6
10°	240.1	248.6	251.4	254.2	257.0	259.8	263.2	266.6	270.0	273.4	274.7
12.5°	210.2	215.5	224.5	233.3	242.3	251.1	255.6	260.3	264.7	269.2	278.1
15°	173.2	178.5	186.2	194.0	201.7	209.5	216.6	223.9	231.0	238.1	248.8
17.5°	121.8	126.3	132.2	138.1	143.8	149.7	160.7	171.7	182.7	193.7	205.0
20°	83.6	84.5	87.3	90.3	93.0	95.8	105.7	115.8	125.7	135.6	150.5
22.5°	68.1	68.6	70.0	71.4	72.6	74.0	79.1	84.4	89.5	94.6	106.7
25°	60.4	60.4	61.3	62.2	63.2	64.1	66.9	69.7	72.3	75.1	82.8
27.5°	53.6	52.8	54.2	55.6	57.0	58.4	60.4	62.5	64.6	66.6	71.8
30°	51.2	50.5	52.2	53.9	55.6	57.3	59.3	61.3	63.2	65.2	68.7
32.5°	54.3	54.5	55.1	55.7	56.2	56.8	57.7	58.8	59.8	60.7	63.8
35°	43.2	43.2	44.3	45.4	46.3	47.4	49.1	50.8	52.5	54.2	57.4
37.5°	42.0	42.3	43.2	44.3	45.2	46.1	48.3	50.6	52.8	55.0	57.6
40°	40.7	41.0	42.3	43.5	44.7	46.0	48.1	50.2	52.3	54.3	56.8
42.5°	40.3	40.6	42.1	43.8	45.4	46.9	48.8	50.6	52.3	54.2	57.6
45°	39.6	40.3	42.1	44.1	46.0	47.8	49.5	51.2	52.9	54.7	58.8
47.5°	38.7	39.5	41.6	43.7	45.8	47.8	51.1	54.5	57.7	61.0	63.0
50°	38.1	38.9	41.2	43.5	45.8	48.1	53.4	58.7	63.8	69.0	68.0
52.5°	36.5	37.5	40.4	43.3	46.3	49.2	53.9	58.5	63.2	67.8	65.6
55°	33.6	34.4	37.8	41.2	44.4	47.8	51.2	54.7	57.9	61.3	58.8
57.5°	30.7	31.6	34.8	38.1	41.2	44.4	46.1	47.8	49.5	51.2	50.3
60°	27.9	28.8	33.1	37.5	41.8	46.1	44.6	43.0	41.3	39.8	40.9
62.5°	25.2	26.2	30.3	34.4	38.6	42.6	40.4	38.2	36.1	33.9	35.6
65°	22.3	23.2	24.8	26.5	28.0	29.6	29.4	29.1	29.0	28.6	30.5
67.5°	19.2	20.0	20.7	21.7	22.4	23.2	23.7	24.3	24.8	25.2	26.8
70°	16.7	17.5	18.4	19.2	20.1	20.9	21.2	21.5	21.7	22.0	23.4
72.5°	13.9	14.6	15.8	17.0	18.1	19.4	19.5	19.5	19.7	19.7	20.7
75°	12.1	12.5	13.5	14.4	15.2	16.1	16.6	17.0	17.3	17.8	18.4
77.5°	10.7	11.3	11.6	11.8	12.1	12.2	12.5	12.9	13.2	13.5	13.6
80°	7.9	8.7	9.0	9.1	9.4	9.6	9.6	9.4	9.4	9.3	9.4
82.5°	2.5	2.8	3.3	3.7	4.2	4.6	4.8	5.0	5.0	5.1	5.0
85°	0.5	0.6	0.9	1.2	1.4	1.7	1.5	1.2	1.1	0.8	0.6
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: P596157
 CATALOG NUMBER: MSA-SA1B-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: P596157
 CATALOG NUMBER: MSA-SA1B-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3
2.5°	357.8	362.3	366.9	365.1	363.2	361.4	359.5	359.8	360.3	360.6	360.9
5°	351.4	351.1	351.0	356.2	361.7	366.9	372.2	377.9	383.8	389.5	395.3
7.5°	307.2	306.5	306.1	312.9	319.7	326.5	333.3	341.2	349.3	357.2	365.1
10°	275.9	277.1	278.4	281.2	284.1	286.9	289.7	297.3	304.8	312.3	319.9
12.5°	286.9	295.6	304.4	306.1	307.6	309.3	310.9	312.0	313.0	314.1	315.2
15°	259.6	270.3	281.0	285.5	289.8	294.3	298.6	310.1	321.4	332.9	344.2
17.5°	216.3	227.4	238.7	252.2	265.7	279.1	292.6	305.0	317.4	329.8	342.2
20°	165.5	180.4	195.2	212.3	229.4	246.5	263.5	275.9	288.1	300.5	312.7
22.5°	118.9	131.0	143.1	163.6	184.1	204.7	225.1	246.6	268.3	289.8	311.3
25°	90.6	98.2	105.9	126.2	146.5	166.6	186.9	216.4	246.0	275.6	305.2
27.5°	76.9	82.2	87.3	105.6	123.9	142.0	160.2	195.4	230.5	265.7	300.8
30°	72.5	76.0	79.6	95.1	110.7	126.2	141.7	177.3	212.9	248.5	284.1
32.5°	66.9	69.8	72.9	86.5	100.2	113.6	127.3	162.1	196.9	231.6	266.4
35°	60.5	63.8	66.9	80.5	94.1	107.6	121.2	157.3	193.4	229.4	265.5
37.5°	60.1	62.7	65.2	81.0	96.9	112.7	128.5	164.6	200.6	236.6	272.6
40°	59.5	61.9	64.4	80.5	96.5	112.6	128.5	166.3	204.1	241.8	279.6
42.5°	61.0	64.3	67.7	81.9	96.1	110.2	124.5	164.3	204.1	243.7	283.5
45°	63.2	67.3	71.5	84.5	97.5	110.5	123.5	166.7	209.9	253.0	296.2
47.5°	65.2	67.2	69.2	81.6	93.8	106.2	118.4	162.6	206.7	250.8	294.9
50°	67.0	66.0	64.9	78.5	92.1	105.6	119.2	161.3	203.3	245.4	287.3
52.5°	63.3	61.2	58.8	73.4	87.9	102.3	116.9	159.3	201.7	244.2	286.6
55°	56.4	53.9	51.4	65.8	80.0	94.4	108.7	151.0	193.2	235.5	277.7
57.5°	49.2	48.3	47.2	58.2	69.2	80.0	91.0	137.9	185.0	231.9	278.8
60°	42.0	42.9	44.0	51.9	59.8	67.5	75.4	121.4	167.2	213.2	259.0
62.5°	37.2	38.9	40.4	47.1	53.9	60.5	67.2	110.5	153.9	197.2	240.6
65°	32.5	34.4	36.2	44.1	52.2	60.1	68.0	104.7	141.4	178.0	214.7
67.5°	28.3	29.7	31.3	41.6	52.0	62.4	72.8	102.8	132.7	162.7	192.6
70°	24.8	26.0	27.4	39.5	51.6	63.6	75.7	101.3	127.0	152.5	178.0
72.5°	21.8	22.9	24.0	36.2	48.5	60.7	72.9	95.7	118.3	141.0	163.6
75°	19.0	19.5	20.1	30.5	40.7	51.1	61.3	76.5	91.8	107.0	122.2
77.5°	13.8	13.8	13.9	17.0	20.0	23.1	26.0	35.5	44.9	54.2	63.6
80°	9.4	9.6	9.6	10.8	11.9	13.2	14.2	16.3	18.1	20.1	22.0
82.5°	4.8	4.5	4.3	5.6	6.8	8.1	9.3	9.8	10.1	10.5	10.8
85°	0.5	0.2	0.0	0.8	1.5	2.3	3.1	3.7	4.3	5.0	5.6
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: P596157
 CATALOG NUMBER: MSA-SA1B-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: P596157
 CATALOG NUMBER: MSA-SA1B-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°	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3
2.5°	359.6	358.4	357.2	355.9	363.5	371.3	378.8	386.4	408.0	422.0	420.5
5°	400.8	406.4	412.0	417.6	426.5	435.7	444.6	453.6	485.5	505.0	507.8
7.5°	373.7	382.3	390.9	399.4	416.8	434.0	451.3	468.5	494.7	514.9	526.4
10°	329.6	339.4	349.0	358.7	378.2	397.9	417.4	436.9	466.3	494.3	508.7
12.5°	330.5	345.9	361.2	376.5	393.6	410.6	427.5	444.5	462.4	471.9	492.2
15°	356.2	368.3	380.4	392.5	414.8	437.1	459.2	481.5	492.2	514.9	538.6
17.5°	365.7	389.4	412.9	436.4	464.3	492.0	519.9	547.6	567.7	599.3	623.8
20°	348.2	383.6	418.9	454.4	492.6	530.9	569.1	607.4	629.3	659.4	697.2
22.5°	349.0	386.6	424.1	461.7	514.5	567.1	619.9	672.5	731.5	789.4	807.9
25°	354.4	403.6	452.7	501.9	562.9	623.9	684.9	745.9	817.1	878.0	902.4
27.5°	356.2	411.7	466.9	522.4	609.1	695.8	782.5	869.2	954.2	1022.9	1049.1
30°	351.8	419.6	487.2	554.9	661.2	767.6	874.0	980.3	1061.0	1141.0	1173.5
32.5°	352.8	439.2	525.6	612.0	737.3	862.7	987.9	1113.2	1164.7	1236.9	1294.1
35°	360.3	455.0	549.6	644.4	782.9	921.5	1060.1	1198.6	1283.2	1359.3	1407.9
37.5°	377.6	482.6	587.4	692.4	862.7	1033.1	1203.4	1373.7	1504.5	1635.4	1657.7
40°	390.5	501.3	612.2	723.0	920.7	1118.4	1316.1	1513.8	1661.8	1803.8	1819.0
42.5°	405.0	526.4	647.9	769.3	990.4	1211.5	1432.6	1653.6	1825.0	1969.8	1979.8
45°	421.0	545.9	670.7	795.5	1027.1	1258.5	1490.1	1721.6	1921.8	2089.9	2052.0
47.5°	428.5	562.2	695.8	829.4	1077.7	1325.9	1574.2	1822.4	2002.0	2150.3	2106.0
50°	434.4	581.4	728.4	875.4	1135.8	1396.2	1656.6	1917.0	2097.0	2233.9	2164.5
52.5°	451.0	615.3	779.7	943.9	1220.9	1497.7	1774.7	2051.5	2225.7	2351.4	2254.2
55°	467.1	656.3	845.6	1034.8	1332.7	1630.7	1928.6	2226.5	2399.9	2507.6	2375.6
57.5°	487.4	696.1	904.6	1113.2	1431.8	1750.4	2068.9	2387.5	2557.0	2676.1	2538.9
60°	482.1	705.1	928.1	1151.1	1475.6	1800.1	2124.6	2449.1	2650.5	2796.8	2703.8
62.5°	461.7	682.8	903.7	1124.8	1443.5	1762.2	2080.9	2399.6	2640.9	2839.1	2807.8
65°	420.3	625.8	831.4	1036.8	1341.2	1645.7	1950.1	2254.5	2552.4	2804.6	2815.7
67.5°	366.0	539.4	712.6	886.0	1170.0	1453.9	1737.7	2021.6	2373.2	2667.4	2700.5
70°	308.4	438.6	569.0	699.2	949.1	1198.9	1448.7	1698.5	2064.1	2360.1	2422.6
72.5°	247.2	331.0	414.6	498.2	678.6	858.8	1039.2	1219.4	1540.9	1770.7	1879.8
75°	160.2	198.3	236.4	274.5	394.6	514.6	634.8	754.8	968.2	1137.5	1260.9
77.5°	71.4	79.1	86.7	94.4	187.2	279.9	372.7	465.4	558.1	660.3	689.3
80°	25.5	29.0	32.5	35.9	81.4	127.1	172.6	218.1	263.0	315.8	328.7
82.5°	10.7	10.7	10.5	10.4	26.6	42.9	59.1	75.4	87.2	100.2	102.6
85°	4.3	3.3	2.0	0.8	3.4	6.2	8.8	11.5	18.4	16.7	31.0
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: P596157
 CATALOG NUMBER: MSA-SA1B-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: P596157

CATALOG NUMBER: MSA-SA1B-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3
2.5°	414.6	414.3	414.0	413.7	413.4	407.8	402.4	396.8	391.4	398.2	405.0
5°	503.3	511.4	519.4	527.6	535.7	538.0	540.3	542.6	545.0	549.9	554.9
7.5°	536.0	549.6	563.1	576.7	590.2	602.7	615.1	627.6	640.2	637.1	634.0
10°	524.7	549.3	573.9	598.7	623.3	628.7	634.1	639.7	645.1	659.2	673.3
12.5°	512.5	542.0	571.6	601.2	630.7	647.2	663.4	679.8	696.2	710.5	724.7
15°	570.5	589.4	608.3	627.3	646.2	660.6	674.9	689.3	703.5	713.4	723.2
17.5°	646.8	656.1	665.4	674.9	684.2	695.5	706.8	718.1	729.4	735.2	741.1
20°	727.5	731.5	735.6	739.6	743.6	734.6	725.6	716.7	707.7	713.3	718.7
22.5°	808.5	809.9	811.4	812.8	814.2	793.3	772.4	751.5	730.6	721.8	712.9
25°	933.1	922.9	912.7	902.4	892.2	867.5	842.7	817.9	793.1	771.3	749.5
27.5°	1068.1	1033.4	998.9	964.2	929.7	904.9	880.2	855.4	830.6	797.8	765.0
30°	1204.2	1148.3	1092.6	1036.7	980.9	951.5	922.1	892.5	863.1	830.3	797.6
32.5°	1329.0	1261.8	1194.6	1127.2	1060.1	1010.5	961.0	911.4	861.9	839.0	816.1
35°	1432.4	1353.0	1273.6	1194.0	1114.6	1065.5	1016.4	967.3	918.2	884.2	850.3
37.5°	1609.2	1519.9	1430.5	1341.2	1251.9	1184.8	1118.0	1050.9	983.9	961.1	938.4
40°	1772.2	1659.7	1547.1	1434.6	1322.0	1265.8	1209.8	1153.6	1097.5	1060.2	1023.1
42.5°	1901.8	1783.2	1664.8	1546.2	1427.6	1372.0	1316.6	1261.0	1205.4	1180.5	1155.7
45°	1929.8	1818.1	1706.4	1594.7	1482.9	1450.5	1418.3	1386.0	1353.8	1336.6	1319.5
47.5°	1985.1	1863.9	1742.8	1621.6	1500.4	1485.8	1471.3	1456.6	1442.0	1450.2	1458.4
50°	2016.1	1892.4	1768.7	1645.0	1521.3	1525.4	1529.5	1533.7	1537.8	1596.0	1654.1
52.5°	2076.1	1951.2	1826.3	1701.3	1576.4	1602.7	1628.9	1655.2	1681.4	1761.5	1841.6
55°	2183.4	2060.7	1937.9	1815.0	1692.2	1726.9	1761.5	1796.4	1831.1	1916.2	2001.2
57.5°	2342.4	2220.6	2098.9	1977.1	1855.4	1889.9	1924.4	1958.9	1993.5	2070.4	2147.2
60°	2542.6	2417.5	2292.6	2167.5	2042.5	2055.6	2068.4	2081.4	2094.4	2177.1	2259.6
62.5°	2698.5	2583.5	2468.6	2353.6	2238.7	2224.3	2210.1	2195.7	2181.4	2244.3	2307.0
65°	2734.8	2653.8	2573.0	2492.0	2411.0	2366.7	2322.6	2278.3	2234.1	2259.5	2284.8
67.5°	2631.0	2576.4	2521.9	2467.2	2412.6	2320.1	2227.7	2135.1	2042.7	2029.2	2015.8
70°	2390.3	2360.4	2330.7	2300.8	2271.1	2128.6	1986.3	1843.9	1701.6	1667.4	1633.2
72.5°	1886.2	1904.8	1923.3	1942.1	1960.6	1808.1	1655.8	1503.3	1350.8	1307.5	1264.3
75°	1330.1	1393.1	1456.1	1519.1	1582.1	1443.1	1304.2	1165.2	1026.2	984.5	943.0
77.5°	721.2	839.3	957.4	1075.5	1193.7	1078.9	964.4	849.7	734.9	706.0	677.2
80°	341.8	410.0	477.9	546.1	614.2	588.3	562.5	536.5	510.6	516.9	523.3
82.5°	104.8	154.0	203.3	252.5	301.7	305.6	309.3	313.2	317.1	326.7	336.1
85°	35.1	48.1	61.2	74.2	87.2	110.1	133.0	156.1	179.0	164.1	149.4
87.5°	0.0	0.5	0.8	1.2	1.5	4.8	8.1	11.3	14.6	12.5	10.7
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):

	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: P596157

CATALOG NUMBER: MSA-SA1B-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°	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3
2.5°	412.0	418.8	418.9	419.3	419.4	419.6	420.3	421.1	422.0	422.8	417.7
5°	560.0	564.9	555.8	546.7	537.4	528.2	536.5	544.7	552.9	561.1	557.5
7.5°	630.7	627.6	626.6	625.6	624.5	623.6	626.7	629.8	632.9	636.0	635.7
10°	687.4	701.5	704.9	708.3	711.9	715.3	708.1	701.0	693.9	686.8	683.8
12.5°	739.0	753.2	764.5	775.8	787.3	798.6	788.3	778.3	768.1	758.0	748.4
15°	733.1	742.8	752.1	761.4	770.7	780.0	776.6	773.3	769.9	766.5	765.0
17.5°	747.2	753.0	750.9	748.7	746.4	744.2	743.1	742.2	741.1	740.0	736.3
20°	724.3	729.8	728.4	727.2	725.8	724.4	723.5	722.5	721.6	720.7	717.7
22.5°	704.1	695.3	693.0	690.8	688.5	686.3	686.6	686.9	687.1	687.4	700.7
25°	727.7	705.8	697.3	688.8	680.1	671.6	675.5	679.2	683.1	686.9	706.1
27.5°	732.0	699.2	685.5	671.9	658.3	644.7	658.6	672.5	686.5	700.4	731.5
30°	764.8	732.1	713.1	694.2	675.2	656.3	674.1	691.9	709.7	727.5	761.3
32.5°	793.0	770.1	756.5	742.8	729.2	715.6	716.4	717.0	717.7	718.5	766.1
35°	816.2	782.3	769.9	757.7	745.3	733.1	751.5	769.9	788.3	806.8	849.5
37.5°	915.6	892.9	870.1	847.5	824.7	802.1	816.8	831.5	846.4	861.1	908.3
40°	985.7	948.6	942.7	937.0	931.1	925.4	932.9	940.4	948.0	955.6	996.9
42.5°	1130.8	1105.9	1089.9	1074.1	1058.2	1042.4	1048.4	1054.5	1060.7	1066.7	1105.9
45°	1302.4	1285.2	1274.6	1264.1	1253.4	1242.9	1233.8	1224.8	1215.7	1206.7	1246.5
47.5°	1466.6	1474.8	1498.0	1521.1	1544.3	1567.4	1548.5	1529.6	1510.6	1491.7	1491.9
50°	1712.3	1770.4	1782.1	1793.8	1805.5	1817.1	1776.9	1736.6	1696.2	1656.0	1651.2
52.5°	1921.8	2001.8	2006.0	2010.2	2014.5	2018.7	2002.4	1986.2	1969.8	1953.5	1910.3
55°	2086.4	2171.4	2177.1	2182.7	2188.4	2194.0	2179.7	2165.6	2151.4	2137.1	2093.5
57.5°	2224.2	2300.9	2304.3	2307.6	2311.0	2314.4	2315.5	2316.6	2317.8	2318.9	2259.9
60°	2342.3	2425.0	2418.1	2411.5	2404.7	2398.0	2387.8	2377.6	2367.4	2357.1	2319.1
62.5°	2369.8	2432.7	2422.2	2411.8	2401.3	2390.9	2382.2	2373.7	2365.0	2356.4	2332.1
65°	2310.2	2335.6	2324.8	2313.9	2303.0	2292.1	2286.5	2281.1	2275.6	2270.0	2266.9
67.5°	2002.1	1988.7	2001.5	2014.4	2027.2	2040.1	2057.6	2075.1	2092.7	2110.2	2100.0
70°	1598.8	1564.6	1578.9	1592.9	1607.2	1621.3	1647.8	1674.2	1700.9	1727.3	1720.2
72.5°	1220.9	1177.6	1179.6	1181.6	1183.8	1185.8	1185.0	1184.4	1183.6	1182.8	1195.2
75°	901.4	859.7	840.1	820.4	800.7	781.1	776.3	771.5	766.7	761.9	784.9
77.5°	648.2	619.4	606.0	592.7	579.2	565.9	572.7	579.5	586.5	593.3	601.3
80°	529.8	536.1	525.8	515.6	505.2	494.8	502.5	510.1	517.9	525.6	501.6
82.5°	345.7	355.2	323.3	291.4	259.5	227.6	246.9	266.3	285.8	305.2	295.2
85°	134.5	119.8	102.2	84.7	67.0	49.4	64.3	79.1	94.0	108.8	118.7
87.5°	8.7	6.8	5.4	4.0	2.5	1.1	2.3	3.6	5.0	6.2	10.4
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-SA1B-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: P596157

CATALOG NUMBER: MSA-SA1B-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3	327.3
2.5°	412.8	407.6	402.7	392.9	383.2	373.4	363.7	377.3	390.9	404.5	418.2
5°	554.1	550.5	547.1	548.1	549.0	550.1	551.0	553.0	555.0	556.9	558.9
7.5°	635.5	635.2	634.9	627.8	620.7	613.4	606.3	609.8	613.4	617.0	620.5
10°	681.1	678.1	675.2	659.5	643.9	628.1	612.5	605.7	598.7	591.9	585.1
12.5°	738.8	729.1	719.5	702.7	686.2	669.4	652.7	646.5	640.2	634.0	627.6
15°	763.6	762.0	760.6	748.7	736.6	724.7	712.6	691.4	670.1	648.9	627.6
17.5°	732.6	728.7	725.0	743.9	762.6	781.5	800.4	778.4	756.5	734.5	712.5
20°	714.8	711.9	708.9	744.1	779.1	814.2	849.2	839.4	829.5	819.8	810.0
22.5°	714.0	727.5	740.8	771.6	802.3	833.1	863.7	880.6	897.6	914.5	931.4
25°	725.3	744.7	763.9	815.0	866.1	917.3	968.4	987.8	1007.0	1026.3	1045.5
27.5°	762.5	793.6	824.6	869.2	913.8	958.5	1003.1	1045.3	1087.8	1130.0	1172.3
30°	794.8	828.6	862.4	915.5	968.4	1021.5	1074.5	1127.4	1180.4	1233.3	1286.2
32.5°	813.6	861.3	908.8	973.4	1037.8	1102.3	1166.9	1224.9	1283.0	1340.9	1399.0
35°	892.2	935.1	977.8	1049.2	1120.6	1192.1	1263.5	1335.3	1407.2	1478.8	1550.7
37.5°	955.6	1002.9	1050.1	1128.2	1206.1	1284.1	1362.1	1461.4	1560.7	1660.0	1759.2
40°	1038.2	1079.6	1120.9	1194.0	1266.9	1340.0	1413.0	1538.9	1664.8	1790.5	1916.4
42.5°	1144.9	1184.1	1223.2	1301.4	1379.6	1457.8	1536.0	1675.3	1814.7	1953.8	2093.2
45°	1286.2	1326.2	1366.0	1428.2	1490.5	1552.7	1614.9	1763.1	1911.1	2059.3	2207.3
47.5°	1492.0	1492.2	1492.3	1537.2	1582.1	1627.2	1672.1	1821.3	1970.4	2119.6	2268.7
50°	1646.4	1641.4	1636.6	1659.8	1682.9	1706.1	1729.3	1866.7	2004.2	2141.5	2278.8
52.5°	1867.3	1824.1	1781.1	1794.8	1808.5	1822.2	1835.9	1952.1	2068.6	2184.8	2301.1
55°	2050.0	2006.3	1962.7	1957.6	1952.4	1947.3	1942.2	2049.2	2156.2	2263.2	2370.1
57.5°	2201.1	2142.1	2083.3	2071.5	2059.9	2048.1	2036.4	2149.2	2261.9	2374.8	2487.5
60°	2281.1	2243.0	2205.0	2197.4	2189.6	2182.0	2174.3	2266.9	2359.5	2452.0	2544.6
62.5°	2307.9	2283.6	2259.5	2273.7	2287.9	2302.3	2316.6	2357.3	2397.9	2438.6	2479.1
65°	2263.9	2260.8	2257.7	2287.0	2316.1	2345.4	2374.6	2364.6	2354.4	2344.3	2334.2
67.5°	2089.9	2079.7	2069.6	2133.9	2198.0	2262.2	2326.5	2277.7	2228.8	2180.0	2131.3
70°	1713.1	1705.8	1698.7	1791.3	1883.9	1976.6	2069.2	2010.0	1950.9	1891.8	1832.6
72.5°	1207.4	1219.8	1232.2	1341.4	1450.4	1559.5	1668.5	1608.9	1549.3	1489.7	1430.1
75°	807.9	830.9	854.0	966.4	1078.8	1191.3	1303.7	1233.8	1163.8	1093.8	1023.8
77.5°	609.4	617.4	625.5	696.5	767.6	838.8	909.9	852.1	794.2	736.5	678.6
80°	477.6	453.5	429.5	452.9	476.2	499.6	523.0	488.5	453.9	419.6	385.0
82.5°	285.3	275.4	265.5	278.2	290.8	303.4	316.1	301.3	286.3	271.4	256.4
85°	128.5	138.4	148.2	161.0	173.7	186.6	199.4	178.7	157.9	137.2	116.4
87.5°	14.4	18.6	22.8	28.2	33.6	39.0	44.4	34.7	24.8	15.0	5.3
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):

	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°	327.3	327.3
2.5°	426.1	434.0
5°	558.7	558.4
7.5°	611.2	601.8
10°	576.4	567.7
12.5°	605.5	583.4
15°	610.9	594.2
17.5°	685.2	657.8
20°	774.9	739.6
22.5°	883.1	834.6
25°	987.9	930.3
27.5°	1137.8	1103.1
30°	1251.3	1216.1
32.5°	1375.1	1351.3
35°	1527.0	1503.2
37.5°	1765.4	1771.5
40°	1920.1	1923.8
42.5°	2107.6	2122.0
45°	2223.4	2239.5
47.5°	2291.2	2313.6
50°	2315.0	2351.3
52.5°	2345.8	2390.4
55°	2419.8	2469.5
57.5°	2527.1	2566.8
60°	2546.5	2548.3
62.5°	2450.5	2421.9
65°	2303.7	2273.2
67.5°	2112.8	2094.3
70°	1808.1	1783.7
72.5°	1384.6	1339.0
75°	967.5	911.1
77.5°	649.0	619.4
80°	386.0	386.7
82.5°	263.5	270.5
85°	115.0	113.5
87.5°	3.7	2.0
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

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CATALOG NUMBER: MSA-SA1B-722-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)