

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: P596158

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P596158
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-24)
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
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3189 lumens
Efficiency: N/A
Efficacy: 72.5 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

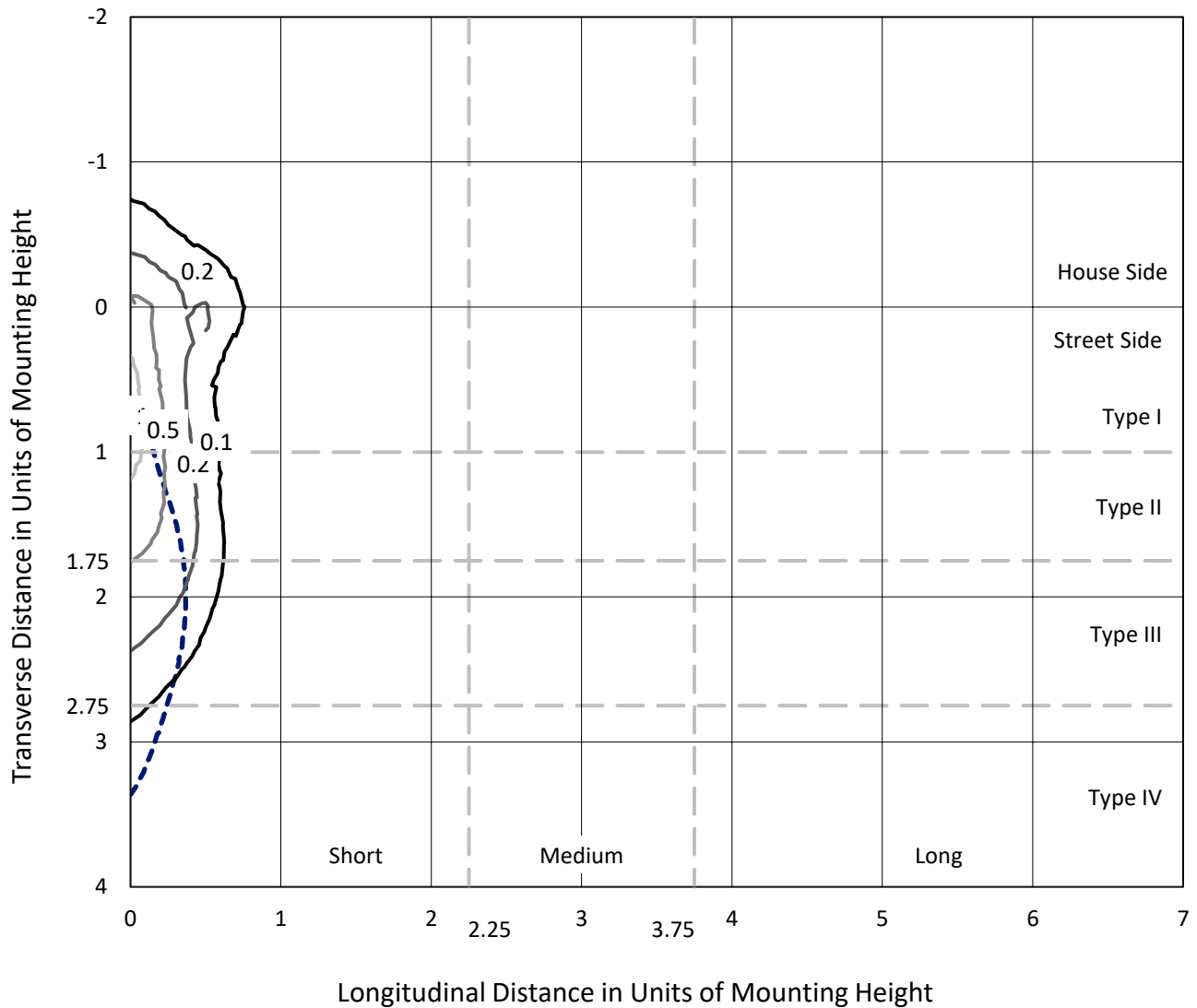
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

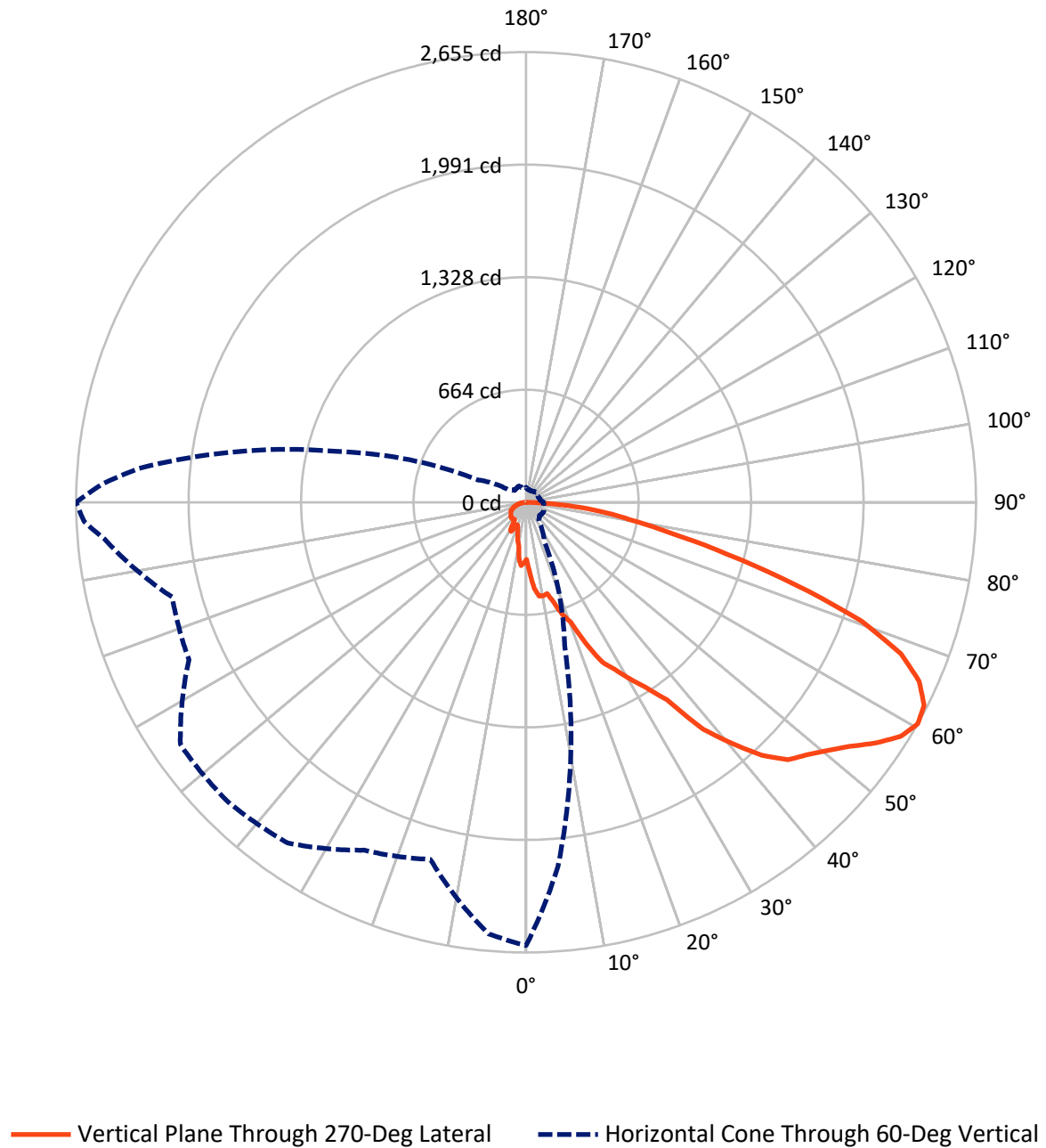
× Max cd
 - - - 1/2 Max cd



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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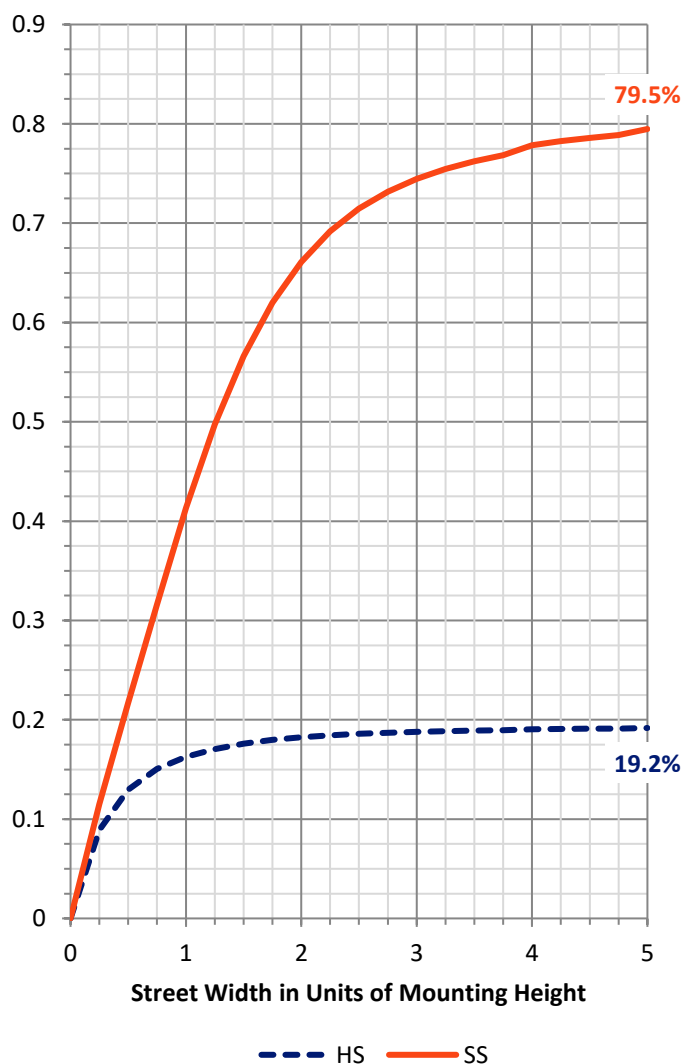
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	617.6	0.0	617.6
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	2571.4	0.0	2571.4
	% Fixture	80.6	0.0	80.6
Total	Lumens	3189.0	0.0	3189.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.6	1.2
10°-20°	112.1	3.5
20°-30°	197.8	6.2
30°-40°	308.1	9.7
40°-50°	507.2	15.9
50°-60°	724.0	22.7
60°-70°	767.6	24.1
70°-80°	424.0	13.3
80°-90°	109.7	3.4
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°	3189.0	100.0
0°-180°	3189.0	100.0

Coefficient of Utilization

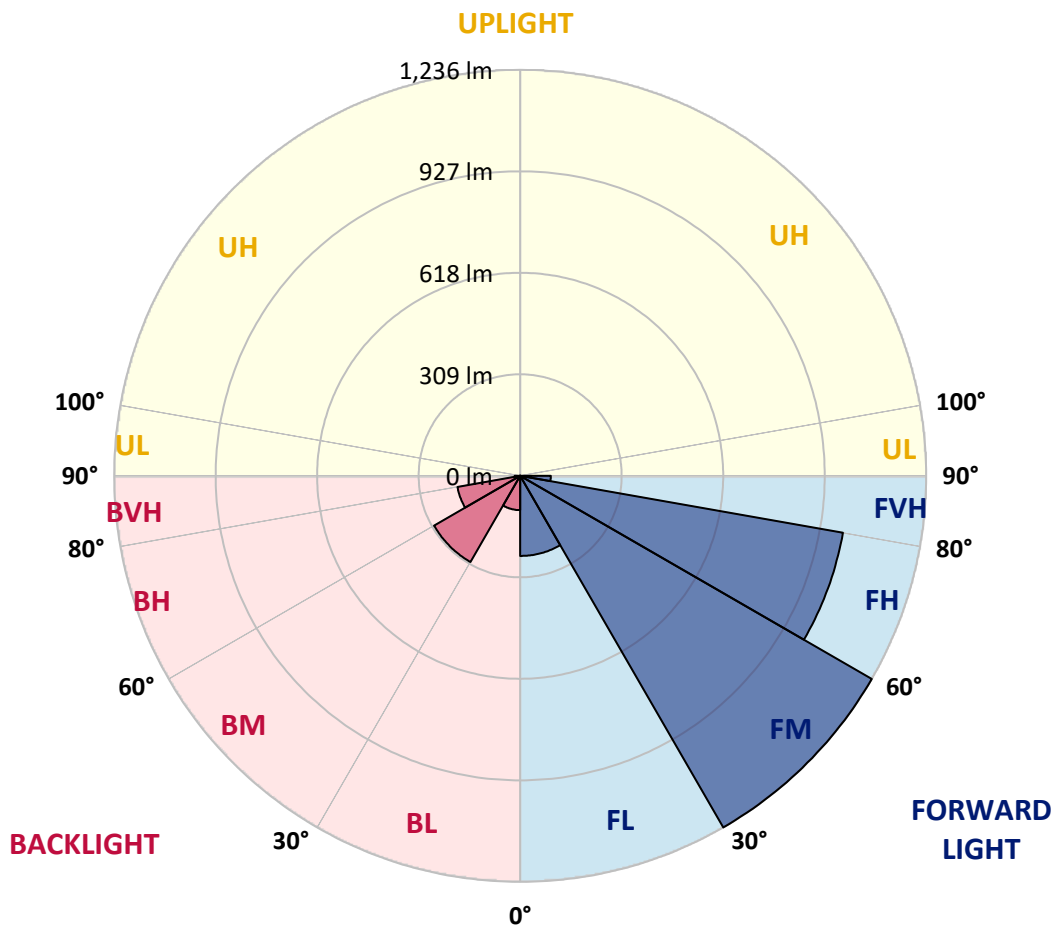


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	244.0	7.7			
FM (30°-60°)	1236.3	38.8			
FH (60°-80°)	997.8	31.3			G1/1800
FVH (80°-90°)	93.2	2.9			G1/100
BL (0°-30°)	104.4	3.3	B0/110		
BM (30°-60°)	303.0	9.5	B1/1000		
BH (60°-80°)	193.8	6.1	B1/500		G1/500
BVH (80°-90°)	16.5	0.5			G1/100
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°	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4
2.5°	450.4	453.2	455.9	450.6	445.3	439.9	434.6	426.8	418.7	410.8	402.8
5°	541.0	530.8	520.4	516.2	512.2	508.0	503.8	500.0	496.1	492.1	488.2
7.5°	569.3	554.8	540.1	533.9	527.7	521.3	515.1	501.2	487.3	473.2	459.3
10°	538.2	523.0	507.7	501.7	495.5	489.4	483.3	466.2	449.4	432.3	415.3
12.5°	563.3	547.8	532.2	513.0	493.8	474.4	455.2	445.8	436.4	426.8	417.3
15°	587.4	566.5	545.5	526.3	507.1	487.7	468.5	449.7	430.8	411.9	393.0
17.5°	675.7	640.8	606.0	571.3	536.5	501.8	467.0	445.2	423.2	401.4	379.4
20°	783.2	734.8	686.2	633.6	580.8	528.1	475.4	447.8	420.4	392.9	365.3
22.5°	911.2	850.1	789.0	722.6	656.2	589.6	523.2	483.3	443.3	403.2	363.3
25°	1012.9	954.1	895.3	811.1	726.9	642.7	558.5	513.1	467.8	422.3	376.9
27.5°	1111.7	1018.0	924.2	827.8	731.5	635.1	538.7	496.7	454.8	412.8	370.9
30°	1195.1	1120.8	1046.5	920.7	794.8	668.8	543.0	491.5	439.9	388.4	336.8
32.5°	1317.3	1211.2	1105.0	973.8	842.5	711.3	580.0	514.1	448.1	382.2	316.2
35°	1460.1	1349.9	1239.7	1077.3	915.1	752.7	590.4	520.6	450.6	380.8	310.8
37.5°	1726.5	1532.3	1337.8	1160.6	983.4	806.0	628.8	547.6	466.5	385.3	304.2
40°	1873.4	1693.9	1514.3	1293.4	1072.5	851.5	630.6	547.6	464.5	381.6	298.4
42.5°	2069.2	1842.1	1614.9	1376.1	1137.4	898.5	659.7	567.8	475.8	383.7	291.8
45°	2188.6	1935.5	1682.2	1427.0	1171.8	916.5	661.3	567.9	474.6	381.2	287.9
47.5°	2265.5	2022.5	1779.3	1504.5	1229.8	954.9	680.1	581.1	481.9	382.8	283.6
50°	2338.4	2097.7	1856.8	1571.6	1286.5	1001.2	715.9	607.7	499.5	391.2	283.0
52.5°	2427.9	2206.2	1984.4	1678.4	1372.2	1066.2	760.0	642.2	524.4	406.6	288.8
55°	2558.0	2339.6	2121.1	1792.6	1464.0	1135.5	806.9	676.1	545.5	414.7	283.9
57.5°	2642.4	2420.9	2199.4	1864.4	1529.5	1194.4	859.4	714.5	569.6	424.6	279.7
60°	2614.4	2385.9	2157.3	1838.0	1518.6	1199.3	880.0	723.5	567.1	410.7	254.2
62.5°	2490.6	2247.7	2004.8	1718.8	1432.9	1146.8	860.8	701.7	542.7	383.6	224.4
65°	2317.5	2066.4	1815.2	1557.2	1299.1	1041.1	783.1	638.7	494.1	349.7	205.1
67.5°	2105.1	1843.4	1581.5	1353.0	1124.5	895.9	667.4	546.7	426.1	305.4	184.7
70°	1838.7	1581.5	1324.2	1126.6	928.9	731.2	533.6	442.7	352.0	261.1	170.3
72.5°	1477.9	1256.0	1034.0	878.4	722.9	567.3	411.7	348.6	285.6	222.4	159.3
75°	1051.2	920.7	790.2	669.2	548.1	426.9	305.9	265.0	224.1	183.3	142.4
77.5°	747.0	670.1	593.2	498.3	403.4	308.5	213.6	189.6	165.8	141.8	117.8
80°	552.3	488.0	423.8	352.3	280.8	209.3	137.8	126.0	114.4	102.6	90.9
82.5°	363.6	334.7	305.6	248.9	192.2	135.6	78.9	74.6	70.3	65.9	61.6
85°	162.8	172.0	180.9	146.3	111.4	76.8	41.9	39.9	37.9	35.9	33.9
87.5°	15.6	23.1	30.5	26.2	21.7	17.3	12.8	12.7	12.7	12.5	12.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4
2.5°	404.9	407.1	409.3	411.4	409.1	406.8	404.3	402.0	399.0	396.1	393.0
5°	481.7	475.0	468.5	461.9	452.0	442.1	432.0	422.1	420.9	419.5	418.2
7.5°	447.0	435.0	422.7	410.5	395.0	379.7	364.2	348.7	344.1	339.5	334.8
10°	407.1	398.7	390.5	382.2	372.6	363.0	353.2	343.6	330.9	318.1	305.4
12.5°	403.7	390.1	376.3	362.7	356.8	350.9	345.0	339.1	328.0	316.9	305.6
15°	382.0	370.9	359.9	348.7	340.2	331.7	323.2	314.7	305.7	296.6	287.6
17.5°	366.7	354.0	341.3	328.6	318.9	309.1	299.2	289.5	278.6	267.6	256.8
20°	350.8	336.4	321.8	307.3	294.9	282.6	270.3	257.9	246.0	234.2	222.3
22.5°	344.3	325.2	306.2	287.1	274.1	261.0	248.0	234.8	223.8	212.8	201.8
25°	354.2	331.6	308.8	286.0	268.6	250.9	233.4	215.8	206.6	197.5	188.2
27.5°	342.5	314.1	285.7	257.3	238.5	219.6	200.9	182.0	180.6	179.2	177.7
30°	306.9	277.1	247.2	217.3	200.1	182.8	165.6	148.3	145.0	141.6	138.4
32.5°	285.7	255.2	224.8	194.3	178.9	163.5	148.1	132.7	128.9	125.2	121.5
35°	277.7	244.6	211.4	178.3	165.2	152.0	138.8	125.7	123.1	120.6	117.9
37.5°	271.2	238.4	205.4	172.4	159.7	147.0	134.2	121.5	119.5	117.5	115.5
40°	265.0	231.7	198.3	164.9	153.6	142.4	131.1	119.8	118.6	117.3	115.9
42.5°	259.4	227.1	194.6	162.2	152.2	142.3	132.2	122.1	120.9	119.7	118.4
45°	256.3	224.8	193.2	161.6	154.3	147.0	139.6	132.3	129.4	126.5	123.4
47.5°	254.0	224.4	194.9	165.3	157.7	150.1	142.6	135.0	132.3	129.7	126.9
50°	254.5	226.1	197.7	169.2	160.1	150.8	141.6	132.3	132.0	131.7	131.4
52.5°	258.7	228.6	198.4	168.3	158.3	148.4	138.4	128.5	130.5	132.3	134.4
55°	252.6	221.3	189.9	158.7	149.2	139.9	130.5	121.0	123.7	126.2	128.8
57.5°	245.8	211.9	178.0	144.1	137.0	129.9	122.6	115.5	118.3	121.2	124.0
60°	223.2	192.2	161.3	130.3	125.5	120.7	115.9	111.1	112.4	113.6	114.9
62.5°	198.4	172.3	146.3	120.1	116.4	112.5	108.8	104.9	104.9	105.1	105.1
65°	182.7	160.2	137.8	115.3	111.1	107.0	102.6	98.4	97.8	97.2	96.6
67.5°	166.9	149.2	131.4	113.6	107.6	101.7	95.7	89.6	88.8	88.2	87.5
70°	154.5	138.7	122.9	107.1	100.3	93.6	86.8	80.0	79.4	78.9	78.3
72.5°	144.4	129.7	114.9	100.0	92.9	85.6	78.5	71.2	70.7	70.3	69.7
75°	129.2	116.2	103.1	89.9	83.0	76.2	69.2	62.2	61.6	61.1	60.5
77.5°	107.0	96.0	85.1	74.1	68.7	63.5	58.0	52.6	52.3	52.0	51.5
80°	82.3	73.8	65.2	56.7	53.1	49.4	45.8	42.1	41.9	41.8	41.5
82.5°	56.5	51.4	46.3	41.2	38.5	35.8	33.1	30.3	30.5	30.6	30.8
85°	32.2	30.3	28.6	26.8	24.6	22.6	20.4	18.3	18.7	19.2	19.5
87.5°	11.8	11.1	10.5	9.9	8.8	7.9	6.8	5.7	6.0	6.5	6.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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: P596158
 CATALOG NUMBER: MSA-SA1B-722-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4
2.5°	390.1	385.4	380.8	376.1	371.5	361.9	352.5	342.9	333.3	339.1	345.2
5°	416.8	409.0	400.9	393.0	385.0	380.5	376.0	371.5	367.0	369.3	371.8
7.5°	330.2	325.5	320.7	316.1	311.3	309.3	307.4	305.4	303.4	309.1	314.8
10°	292.6	286.0	279.5	272.9	266.4	262.5	258.7	254.8	250.9	252.5	254.0
12.5°	294.4	284.8	275.2	265.6	256.0	250.3	244.6	238.8	233.1	234.5	235.9
15°	278.5	268.6	258.7	248.7	238.8	232.2	225.4	218.7	211.9	209.6	207.1
17.5°	245.8	235.0	224.1	213.3	202.5	198.0	193.5	189.0	184.5	182.0	179.6
20°	210.4	200.3	190.2	180.2	170.1	167.0	163.9	160.7	157.6	156.0	154.3
22.5°	190.9	184.7	178.3	172.1	165.8	162.2	158.8	155.3	151.7	150.0	148.1
25°	179.1	180.3	181.7	183.0	184.2	182.7	180.9	179.4	177.7	178.3	178.8
27.5°	176.3	178.9	181.7	184.4	187.0	188.4	189.8	191.2	192.6	193.0	193.5
30°	135.0	136.4	137.6	139.0	140.2	144.1	148.0	151.7	155.6	161.6	167.8
32.5°	117.8	117.3	116.9	116.2	115.8	116.7	117.6	118.4	119.3	121.5	123.8
35°	115.3	114.2	113.0	111.9	110.7	111.1	111.6	112.1	112.5	114.2	115.9
37.5°	113.5	113.0	112.7	112.2	111.8	112.8	113.8	114.9	115.8	117.2	118.6
40°	114.7	114.5	114.4	114.1	113.9	114.5	115.2	115.8	116.4	118.3	120.1
42.5°	117.2	117.2	117.0	117.0	116.9	117.5	117.9	118.6	119.0	120.1	121.2
45°	120.4	120.1	120.0	119.7	119.3	119.2	119.2	119.0	118.9	119.5	120.3
47.5°	124.3	123.2	122.0	120.9	119.7	119.3	118.9	118.6	118.1	118.4	118.7
50°	131.1	128.2	125.4	122.4	119.5	118.7	117.9	117.2	116.4	116.2	116.2
52.5°	136.2	131.9	127.5	123.2	118.9	117.5	116.1	114.7	113.3	113.0	112.8
55°	131.3	128.0	124.9	121.7	118.4	116.4	114.2	112.2	110.1	109.6	109.1
57.5°	126.8	124.8	122.7	120.7	118.7	116.7	114.5	112.5	110.4	109.3	108.2
60°	116.1	116.1	116.2	116.2	116.2	114.1	111.9	109.7	107.6	106.5	105.6
62.5°	105.1	106.8	108.4	110.1	111.6	108.7	105.6	102.6	99.5	98.8	98.1
65°	96.0	96.4	97.1	97.5	98.0	95.7	93.3	91.0	88.7	88.2	87.6
67.5°	86.7	86.5	86.4	86.1	85.9	84.5	83.0	81.6	80.0	79.4	78.8
70°	77.7	77.5	77.4	77.1	76.9	75.7	74.5	73.2	72.0	71.5	71.0
72.5°	69.2	69.0	68.7	68.6	68.3	67.2	66.2	65.2	64.1	63.5	62.8
75°	59.9	59.6	59.3	59.0	58.7	57.7	56.8	55.7	54.8	54.2	53.6
77.5°	51.2	50.8	50.3	49.7	49.2	48.4	47.5	46.7	45.8	45.0	44.4
80°	41.3	41.0	40.7	40.2	39.9	39.2	38.4	37.5	36.7	35.8	35.0
82.5°	31.0	30.8	30.5	30.3	30.0	29.3	28.5	27.7	26.9	26.0	25.1
85°	20.0	19.8	19.7	19.5	19.3	18.7	18.3	17.6	17.0	16.1	15.3
87.5°	7.1	6.8	6.7	6.3	6.0	5.9	5.6	5.4	5.1	4.6	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



REPORT NUMBER: P596158
 CATALOG NUMBER: MSA-SA1B-722-U-SLR

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: P596158
 CATALOG NUMBER: MSA-SA1B-722-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4
2.5°	351.1	356.9	357.1	357.1	359.9	362.5	357.1	351.7	346.1	340.7	335.3
5°	374.1	376.4	375.8	375.1	371.6	368.2	364.7	361.1	357.6	354.0	354.2
7.5°	320.6	326.3	330.9	335.4	331.1	326.8	324.4	322.1	319.8	317.5	317.2
10°	255.4	256.9	258.8	260.5	257.9	255.1	259.7	264.4	268.9	273.5	268.4
12.5°	237.3	238.7	235.4	232.0	230.9	229.9	228.8	227.5	226.5	225.2	224.6
15°	204.8	202.3	199.8	197.2	196.6	195.8	195.0	194.1	193.3	192.4	189.6
17.5°	177.1	174.6	170.4	166.1	164.4	162.5	162.1	161.6	161.0	160.5	157.9
20°	152.8	151.1	150.0	148.8	147.0	145.3	143.6	141.9	140.1	138.4	135.9
22.5°	146.4	144.6	143.2	141.6	141.3	141.0	137.9	134.7	131.6	128.3	126.9
25°	179.4	179.9	171.4	162.7	161.9	161.1	155.6	149.8	144.3	138.5	133.7
27.5°	193.8	194.3	194.0	193.6	191.2	188.5	179.1	169.5	160.1	150.5	143.6
30°	173.8	179.9	182.2	184.5	182.8	180.9	171.0	161.3	151.4	141.5	137.0
32.5°	126.0	128.2	132.0	135.7	137.8	139.6	136.5	133.4	130.3	127.2	126.5
35°	117.5	119.2	120.0	120.7	119.5	118.3	115.9	113.6	111.1	108.8	108.4
37.5°	119.8	121.2	122.7	124.3	120.9	117.3	114.7	112.2	109.6	107.0	104.8
40°	122.0	123.8	124.8	125.7	122.3	118.9	115.6	112.5	109.3	106.0	103.9
42.5°	122.3	123.4	125.1	126.8	122.0	117.0	114.1	111.0	108.0	104.9	102.8
45°	120.9	121.5	123.1	124.6	119.0	113.3	110.7	107.9	105.3	102.5	100.6
47.5°	118.9	119.2	120.4	121.5	115.6	109.6	107.1	104.6	102.0	99.5	97.7
50°	116.1	115.9	116.9	117.6	111.6	105.6	103.1	100.8	98.3	95.8	94.3
52.5°	112.5	112.2	113.2	113.9	107.6	101.2	99.1	97.1	94.9	92.7	91.5
55°	108.5	108.0	108.8	109.6	103.4	97.1	95.2	93.2	91.3	89.3	88.2
57.5°	107.0	105.9	106.3	106.8	99.8	92.9	91.0	89.2	87.3	85.4	84.7
60°	104.5	103.4	103.9	104.2	96.7	89.2	87.5	85.6	83.9	82.0	81.3
62.5°	97.4	96.6	97.2	97.8	91.2	84.4	82.8	81.4	79.9	78.3	77.2
65°	87.1	86.5	87.8	89.0	83.3	77.5	76.6	75.7	74.6	73.7	72.6
67.5°	78.2	77.5	78.8	80.0	75.8	71.7	70.7	69.8	68.9	68.0	67.3
70°	70.6	70.1	71.2	72.3	68.7	65.2	64.2	63.5	62.5	61.6	61.1
72.5°	62.1	61.5	62.8	64.1	61.1	58.0	57.3	56.3	55.6	54.6	54.3
75°	52.9	52.3	53.6	54.6	52.6	50.5	49.7	48.9	48.1	47.4	47.2
77.5°	43.7	42.9	44.1	45.2	44.0	42.6	41.9	41.2	40.6	39.8	39.8
80°	34.1	33.1	34.1	34.8	34.4	33.9	33.4	32.8	32.4	31.7	31.9
82.5°	24.1	23.2	23.7	24.1	24.5	24.8	24.8	24.8	24.8	24.8	24.8
85°	14.4	13.5	13.6	13.8	14.2	14.7	14.9	15.0	15.2	15.3	15.5
87.5°	3.7	3.3	2.9	2.5	2.9	3.3	3.6	3.7	4.0	4.2	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



REPORT NUMBER: P596158
 CATALOG NUMBER: MSA-SA1B-722-U-SLR

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: P596158
 CATALOG NUMBER: MSA-SA1B-722-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4
2.5°	329.9	324.3	318.9	322.3	325.5	328.9	332.2	332.3	332.3	332.5	332.5
5°	354.5	354.6	354.8	351.5	348.4	345.2	341.9	340.2	338.5	336.7	335.0
7.5°	316.7	316.4	315.9	312.8	309.7	306.6	303.5	296.1	288.5	281.1	273.5
10°	263.1	258.0	252.8	251.5	250.4	249.2	248.0	246.0	244.1	242.1	240.1
12.5°	224.0	223.4	222.7	219.5	216.2	212.8	209.6	209.6	209.6	209.6	209.6
15°	186.7	183.9	180.9	179.4	177.7	176.1	174.4	173.7	172.9	172.1	171.4
17.5°	155.1	152.5	149.7	149.4	149.1	148.8	148.4	147.7	146.9	146.1	145.3
20°	133.4	131.0	128.5	129.4	130.3	131.1	132.0	131.3	130.5	129.6	128.8
22.5°	125.4	124.0	122.4	121.7	120.9	120.0	119.2	119.2	119.3	119.3	119.3
25°	129.1	124.3	119.5	117.2	114.9	112.4	110.1	109.1	108.4	107.4	106.5
27.5°	136.8	129.9	123.1	119.0	115.0	111.0	107.0	105.3	103.4	101.7	99.8
30°	132.3	127.9	123.2	118.6	113.9	109.3	104.6	102.5	100.3	98.0	95.8
32.5°	125.7	124.8	124.0	119.7	115.3	110.8	106.5	105.6	104.8	103.9	102.9
35°	107.7	107.3	106.6	105.6	104.5	103.4	102.3	101.1	99.8	98.6	97.4
37.5°	102.8	100.6	98.4	98.0	97.5	97.1	96.6	96.1	95.7	95.0	94.6
40°	101.7	99.5	97.4	96.6	95.8	94.9	94.1	94.3	94.6	94.7	94.9
42.5°	100.5	98.3	96.0	95.3	94.7	94.1	93.5	93.6	94.0	94.1	94.3
45°	98.9	97.1	95.2	94.1	93.2	92.1	91.0	91.9	92.9	93.6	94.6
47.5°	95.8	93.8	91.9	91.3	90.7	89.9	89.3	90.2	91.2	91.9	92.9
50°	92.6	91.0	89.3	89.2	89.0	88.7	88.5	89.2	89.8	90.4	91.0
52.5°	90.1	88.8	87.5	87.5	87.3	87.3	87.1	87.8	88.4	88.8	89.5
55°	87.3	86.2	85.1	85.3	85.6	85.8	85.9	86.5	87.3	87.9	88.5
57.5°	83.7	83.0	82.0	82.7	83.1	83.7	84.2	84.7	85.3	85.8	86.2
60°	80.3	79.6	78.6	79.3	80.0	80.6	81.3	81.7	82.2	82.7	83.1
62.5°	76.2	74.9	73.8	74.8	75.5	76.5	77.2	77.5	78.0	78.3	78.6
65°	71.7	70.6	69.5	70.1	70.7	71.2	71.8	72.3	72.8	73.2	73.7
67.5°	66.6	65.9	65.2	65.6	66.1	66.6	67.0	67.2	67.2	67.3	67.3
70°	60.5	60.1	59.4	59.7	60.2	60.5	60.8	60.8	60.8	60.7	60.7
72.5°	54.2	53.9	53.6	53.7	54.0	54.2	54.3	54.2	54.0	53.9	53.7
75°	47.1	46.9	46.7	46.9	47.2	47.4	47.5	47.4	47.1	46.9	46.6
77.5°	39.9	39.9	39.9	39.9	40.1	40.1	40.1	39.8	39.5	39.2	38.9
80°	32.0	32.2	32.4	32.4	32.4	32.4	32.4	32.0	31.7	31.3	31.0
82.5°	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.1	23.5	22.8	22.0
85°	15.5	15.6	15.6	15.8	15.9	15.9	16.1	15.0	14.1	13.0	11.9
87.5°	4.2	4.2	4.2	4.2	4.2	4.0	4.0	3.1	2.0	1.1	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



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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: P596158
 CATALOG NUMBER: MSA-SA1B-722-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4
2.5°	333.4	334.3	335.1	336.0	336.2	336.4	336.4	336.5	333.3	330.0	326.6
5°	337.3	339.5	341.8	343.9	343.5	343.0	342.5	342.1	341.2	340.4	339.5
7.5°	271.8	270.3	268.6	266.9	268.2	269.6	271.0	272.4	273.0	273.7	274.1
10°	236.2	232.3	228.5	224.6	222.4	220.1	217.9	215.6	215.3	215.2	214.8
12.5°	205.6	201.4	197.4	193.2	191.9	190.5	189.3	187.9	189.2	190.4	191.5
15°	169.6	168.1	166.4	164.7	166.1	167.5	168.9	170.3	171.5	172.6	173.8
17.5°	144.6	144.0	143.2	142.4	143.6	145.0	146.3	147.5	150.3	153.1	155.9
20°	128.2	127.7	127.1	126.5	126.0	125.4	124.9	124.3	128.3	132.2	136.2
22.5°	118.4	117.5	116.6	115.6	115.8	115.9	115.9	116.1	119.3	122.7	126.0
25°	106.2	105.9	105.6	105.3	106.2	107.1	107.9	108.8	111.8	114.7	117.5
27.5°	100.0	100.1	100.3	100.5	101.7	103.1	104.3	105.6	107.6	109.6	111.6
30°	96.6	97.5	98.3	99.1	99.5	100.0	100.5	100.9	102.9	104.8	106.8
32.5°	101.7	100.5	99.1	97.8	98.4	99.2	99.8	100.5	102.3	104.2	106.0
35°	96.9	96.3	95.8	95.2	96.0	96.7	97.4	98.1	99.8	101.4	103.1
37.5°	94.4	94.3	94.1	94.0	94.4	94.9	95.2	95.7	97.2	98.8	100.1
40°	94.3	93.5	92.9	92.1	92.6	93.0	93.3	93.8	95.7	97.5	99.4
42.5°	93.3	92.4	91.3	90.4	90.9	91.5	91.9	92.4	94.4	96.3	98.3
45°	93.2	91.8	90.2	88.8	89.5	90.1	90.7	91.3	92.9	94.4	95.8
47.5°	91.5	90.1	88.7	87.3	87.6	87.9	88.1	88.4	89.8	91.0	92.4
50°	90.1	89.0	88.1	87.0	86.5	86.2	85.8	85.3	86.4	87.5	88.5
52.5°	88.4	87.3	86.1	85.0	84.4	83.7	83.1	82.5	83.4	84.2	85.1
55°	87.3	85.9	84.7	83.3	82.5	81.7	81.0	80.2	80.8	81.3	81.9
57.5°	85.0	83.7	82.3	81.1	80.2	79.3	78.2	77.2	77.5	77.9	78.2
60°	81.9	80.5	79.3	77.9	76.8	75.7	74.5	73.4	73.5	73.8	74.0
62.5°	77.4	76.2	74.8	73.5	72.3	71.2	70.0	68.7	69.0	69.2	69.5
65°	72.4	71.0	69.8	68.4	67.3	66.2	65.0	63.9	64.2	64.5	64.7
67.5°	66.4	65.3	64.4	63.3	62.4	61.3	60.4	59.3	59.4	59.6	59.7
70°	59.9	59.0	58.2	57.3	56.5	55.7	55.0	54.2	54.2	54.3	54.3
72.5°	52.9	52.2	51.4	50.6	49.8	49.2	48.4	47.7	48.0	48.3	48.4
75°	45.8	45.2	44.4	43.7	43.0	42.4	41.6	41.0	41.3	41.6	41.8
77.5°	38.4	37.9	37.3	36.8	36.2	35.6	34.8	34.2	34.5	34.8	35.0
80°	30.6	30.3	29.9	29.6	28.9	28.3	27.7	27.1	27.2	27.2	27.4
82.5°	22.1	22.3	22.3	22.4	22.0	21.4	20.9	20.3	20.3	20.3	20.1
85°	12.4	13.0	13.5	13.9	13.5	13.0	12.5	12.1	11.9	11.9	11.8
87.5°	0.5	0.8	1.2	1.5	1.4	1.2	0.9	0.8	0.9	1.1	1.1
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: P596158
 CATALOG NUMBER: MSA-SA1B-722-U-SLR

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: P596158
 CATALOG NUMBER: MSA-SA1B-722-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4
2.5°	323.4	326.0	328.6	331.2	333.9	337.9	341.9	346.1	350.3	348.0	345.5
5°	338.5	340.1	341.8	343.3	344.9	349.4	353.7	359.1	364.4	363.8	363.0
7.5°	274.8	276.9	279.1	281.1	283.3	290.1	296.9	302.6	308.3	307.6	306.6
10°	214.5	219.0	223.7	228.2	232.6	238.2	243.6	248.4	253.2	261.3	269.2
12.5°	192.7	199.7	206.6	213.6	220.6	224.6	228.5	234.7	240.9	245.2	249.7
15°	174.9	181.4	187.9	194.4	200.9	201.2	201.5	208.0	214.5	218.3	221.8
17.5°	158.7	162.2	165.8	169.2	172.7	171.5	170.3	173.4	176.3	177.9	179.6
20°	140.1	142.6	145.0	147.5	150.0	151.7	153.2	155.1	156.8	155.3	153.6
22.5°	129.2	133.0	136.8	140.5	144.3	145.3	146.3	145.2	144.1	143.6	143.2
25°	120.4	124.9	129.6	134.0	138.5	140.7	142.9	143.8	144.6	142.9	141.2
27.5°	113.6	119.0	124.3	129.7	135.0	138.8	142.7	143.8	144.7	143.5	142.1
30°	108.7	114.5	120.4	126.3	132.2	138.1	143.8	148.9	153.9	153.4	152.9
32.5°	107.9	111.9	115.9	120.0	124.0	127.7	131.3	131.6	131.7	130.5	129.1
35°	104.6	107.3	109.9	112.5	115.2	117.5	119.7	119.3	119.0	117.8	116.6
37.5°	101.7	104.3	107.1	109.7	112.4	116.4	120.3	119.5	118.6	117.3	116.1
40°	101.2	104.2	107.1	109.9	112.8	116.6	120.3	119.5	118.7	117.2	115.6
42.5°	100.1	103.1	105.9	108.8	111.6	116.1	120.4	119.0	117.5	116.2	115.0
45°	97.4	100.0	102.6	105.3	107.9	112.7	117.5	115.8	114.1	113.6	113.0
47.5°	93.6	96.3	98.9	101.5	104.2	109.0	113.6	112.2	110.7	110.5	110.2
50°	89.6	92.1	94.7	97.2	99.7	104.5	109.1	107.9	106.6	106.8	106.8
52.5°	85.9	88.2	90.4	92.7	94.9	99.7	104.3	103.4	102.3	102.6	102.8
55°	82.3	84.2	86.1	87.9	89.8	94.4	99.1	97.7	96.3	96.7	97.2
57.5°	78.5	80.0	81.6	83.0	84.5	89.2	93.6	92.1	90.4	91.2	91.8
60°	74.1	75.5	76.9	78.2	79.6	83.7	87.8	86.4	84.8	85.9	86.8
62.5°	69.7	70.7	71.8	72.9	74.0	77.9	81.7	80.6	79.6	80.8	81.9
65°	65.0	65.8	66.7	67.5	68.3	72.0	75.5	74.8	74.0	75.1	76.2
67.5°	59.9	60.5	61.3	61.9	62.5	65.9	69.3	68.6	67.6	68.6	69.3
70°	54.3	55.0	55.4	56.0	56.5	59.6	62.7	61.6	60.4	61.3	62.1
72.5°	48.8	49.1	49.5	49.8	50.2	52.5	54.8	53.9	52.9	53.9	54.6
75°	42.1	42.4	42.7	43.0	43.3	45.4	47.2	46.1	44.9	45.8	46.7
77.5°	35.3	35.4	35.8	35.9	36.1	37.5	38.7	37.6	36.4	37.5	38.5
80°	27.4	27.6	27.7	27.7	27.9	28.3	28.8	28.0	27.1	28.5	29.9
82.5°	20.1	20.0	20.0	19.8	19.7	19.7	19.5	19.0	18.4	19.7	20.9
85°	11.6	11.5	11.1	11.0	10.7	10.2	9.8	9.6	9.4	10.5	11.6
87.5°	1.2	1.1	0.8	0.6	0.3	0.2	0.0	0.0	0.0	0.6	1.4
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



REPORT NUMBER: P596158
 CATALOG NUMBER: MSA-SA1B-722-U-SLR

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: P596158

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

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4
2.5°	343.2	340.7	338.4	336.0	333.7	331.4	335.7	340.1	344.4	348.7	352.6
5°	362.4	361.6	359.6	357.7	355.7	353.7	354.8	356.0	357.1	358.2	360.5
7.5°	305.9	304.9	309.3	313.4	317.8	322.0	323.0	324.0	325.1	326.0	325.4
10°	277.2	285.1	287.1	289.0	291.0	292.9	296.0	299.1	302.0	305.1	306.8
12.5°	254.0	258.3	265.5	272.7	279.9	287.0	291.6	296.3	300.9	305.6	315.2
15°	225.5	229.1	234.5	239.9	245.3	250.8	257.4	264.2	270.9	277.5	288.1
17.5°	181.1	182.7	186.7	190.7	194.6	198.6	207.6	216.4	225.4	234.2	246.3
20°	152.0	150.3	150.3	150.5	150.5	150.5	159.4	168.3	177.2	186.1	202.0
22.5°	142.6	142.1	140.4	138.5	136.8	135.0	139.6	144.4	149.1	153.7	166.7
25°	139.3	137.6	135.4	133.3	131.1	128.9	131.9	134.8	137.8	140.7	150.9
27.5°	140.9	139.5	140.5	141.5	142.6	143.5	144.4	145.3	146.3	147.2	150.8
30°	152.5	152.0	153.7	155.3	157.0	158.5	156.3	154.3	152.2	150.0	151.2
32.5°	127.9	126.5	125.8	125.2	124.6	124.0	123.8	123.7	123.4	123.2	126.0
35°	115.3	114.1	113.2	112.2	111.1	110.2	110.7	111.0	111.4	111.8	114.9
37.5°	114.9	113.6	112.5	111.4	110.2	109.1	109.6	110.2	110.7	111.1	113.5
40°	114.1	112.5	111.9	111.3	110.7	110.1	110.4	110.7	110.8	111.1	112.8
42.5°	113.6	112.4	112.1	111.8	111.4	111.1	111.4	111.8	111.9	112.2	114.2
45°	112.5	111.9	112.2	112.5	112.8	113.2	113.2	113.2	113.2	113.2	115.3
47.5°	110.1	109.7	110.7	111.6	112.5	113.5	115.0	116.6	117.9	119.5	120.0
50°	107.0	107.0	108.5	110.1	111.4	113.0	116.7	120.3	124.0	127.5	125.2
52.5°	103.1	103.2	105.6	107.7	110.1	112.2	115.6	119.0	122.3	125.7	122.3
55°	97.5	98.0	100.9	103.7	106.6	109.4	112.1	114.7	117.3	120.0	116.4
57.5°	92.6	93.2	96.3	99.2	102.3	105.3	106.8	108.5	110.1	111.6	109.3
60°	87.9	88.8	92.9	96.9	100.8	104.8	103.6	102.3	100.9	99.7	99.5
62.5°	83.1	84.2	87.9	91.6	95.2	98.9	97.1	95.2	93.2	91.3	92.1
65°	77.1	78.2	79.9	81.6	83.1	84.8	84.7	84.7	84.5	84.4	85.9
67.5°	70.3	71.0	72.1	73.1	74.1	75.1	75.7	76.5	77.1	77.7	79.6
70°	63.0	63.8	64.9	65.8	66.9	67.8	68.6	69.3	70.0	70.7	72.6
72.5°	55.6	56.3	57.4	58.5	59.4	60.5	61.1	61.8	62.2	62.8	64.4
75°	47.7	48.6	49.7	50.6	51.7	52.6	53.1	53.6	54.0	54.5	55.9
77.5°	39.6	40.7	41.8	42.9	44.0	45.0	45.2	45.4	45.5	45.7	46.9
80°	31.1	32.5	33.6	34.7	35.8	36.8	36.8	36.8	36.8	36.8	37.5
82.5°	22.1	23.4	24.6	25.7	26.9	28.0	28.0	27.9	27.9	27.7	27.7
85°	12.7	13.8	14.6	15.5	16.3	17.0	17.0	17.0	16.9	16.9	16.6
87.5°	2.0	2.6	2.9	3.4	3.7	4.0	3.9	3.9	3.7	3.6	3.1
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: P596158
 CATALOG NUMBER: MSA-SA1B-722-U-SLR

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: P596158
 CATALOG NUMBER: MSA-SA1B-722-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4
2.5°	356.5	360.3	364.2	363.6	363.0	362.4	361.7	364.1	366.2	368.6	370.7
5°	362.7	365.0	367.2	368.9	370.6	372.3	374.0	381.9	389.6	397.5	405.2
7.5°	324.7	324.0	323.4	330.6	338.1	345.3	352.6	362.7	372.7	382.8	392.9
10°	308.5	310.2	311.9	314.8	317.9	320.9	323.8	333.7	343.6	353.5	363.4
12.5°	324.6	334.2	343.6	346.0	348.4	350.8	353.1	355.1	357.1	359.0	361.0
15°	298.6	309.1	319.6	325.7	331.7	337.6	343.6	358.8	373.8	389.0	404.0
17.5°	258.2	270.3	282.2	297.0	311.9	326.8	341.6	355.6	369.5	383.3	397.2
20°	217.9	233.7	249.7	265.9	282.0	298.3	314.4	328.0	341.6	355.1	368.7
22.5°	179.6	192.6	205.4	225.2	244.9	264.7	284.3	309.7	335.0	360.3	385.6
25°	161.0	171.2	181.3	201.7	222.1	242.4	262.8	295.8	328.6	361.6	394.4
27.5°	154.5	158.0	161.6	180.2	198.6	217.2	235.6	271.2	306.8	342.2	377.8
30°	152.5	153.7	154.9	169.5	184.0	198.6	213.1	248.3	283.6	318.7	353.8
32.5°	128.6	131.4	134.0	148.3	162.4	176.6	190.7	226.1	261.4	296.9	332.2
35°	117.9	121.0	124.1	138.1	152.0	165.8	179.7	217.0	254.5	291.8	329.1
37.5°	115.8	118.1	120.4	136.2	152.0	167.8	183.6	221.3	259.1	296.9	334.7
40°	114.7	116.4	118.1	133.4	148.9	164.2	179.6	219.2	258.7	298.3	337.7
42.5°	116.1	118.1	120.0	133.9	147.7	161.6	175.4	216.4	257.3	298.3	339.1
45°	117.3	119.5	121.5	134.5	147.5	160.5	173.5	217.3	261.0	304.8	348.4
47.5°	120.3	120.7	121.0	132.3	143.5	154.8	165.9	210.5	255.1	299.5	344.1
50°	122.7	120.4	117.9	129.7	141.3	153.1	164.7	207.0	249.2	291.3	333.6
52.5°	118.9	115.3	111.9	124.6	137.3	149.8	162.5	204.8	247.2	289.5	331.7
55°	113.0	109.4	105.9	118.7	131.6	144.4	157.3	199.4	241.6	283.7	325.8
57.5°	107.1	104.8	102.5	113.0	123.7	134.2	144.7	190.4	235.9	281.6	327.1
60°	99.4	99.1	98.9	107.1	115.5	123.7	131.9	176.6	221.2	265.9	310.5
62.5°	92.7	93.5	94.1	100.8	107.4	113.9	120.6	163.8	207.1	250.3	293.5
65°	87.6	89.2	90.7	98.3	105.9	113.3	120.9	157.1	193.3	229.6	265.8
67.5°	81.4	83.3	85.1	95.0	104.9	114.9	124.8	154.6	184.5	214.4	244.3
70°	74.3	76.2	77.9	90.6	103.1	115.8	128.3	154.8	181.4	207.9	234.4
72.5°	65.9	67.5	69.0	82.7	96.3	109.9	123.5	146.0	168.4	190.7	213.1
75°	57.4	58.8	60.2	72.0	83.7	95.5	107.3	124.6	141.8	159.1	176.3
77.5°	48.0	49.2	50.3	58.2	66.1	74.0	81.9	95.2	108.4	121.7	134.8
80°	38.1	38.7	39.3	44.0	48.4	53.1	57.6	66.4	75.2	83.9	92.7
82.5°	27.9	27.9	27.9	30.8	33.9	36.8	39.8	44.3	48.6	53.1	57.4
85°	16.3	15.8	15.5	17.5	19.5	21.5	23.5	25.4	27.2	29.1	31.0
87.5°	2.6	2.0	1.5	2.8	4.0	5.3	6.5	7.1	7.9	8.5	9.1
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: P596158
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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: P596158

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4
2.5°	365.5	360.3	355.1	349.8	357.6	365.3	373.0	380.8	401.4	413.6	414.4
5°	411.7	418.2	424.7	431.2	437.7	444.2	450.6	457.1	490.5	511.1	515.0
7.5°	403.5	414.4	425.1	435.7	454.2	472.6	491.0	509.4	537.7	558.2	571.6
10°	376.8	390.1	403.4	416.7	438.5	460.5	482.3	504.1	534.2	561.1	574.0
12.5°	382.2	403.4	424.4	445.6	464.5	483.6	502.4	521.3	542.1	552.3	575.7
15°	418.7	433.4	448.1	462.8	491.3	519.6	548.1	576.4	588.2	611.6	632.6
17.5°	424.3	451.2	478.3	505.2	540.1	574.9	609.7	644.5	666.4	696.6	721.9
20°	406.9	445.0	483.3	521.3	566.2	611.3	656.2	701.0	728.7	754.1	793.4
22.5°	427.7	469.8	511.7	553.8	613.4	672.9	732.5	791.9	849.8	906.4	933.1
25°	450.6	506.9	563.1	619.3	693.8	768.1	842.5	916.8	991.3	1044.4	1075.0
27.5°	434.5	491.0	547.6	604.1	696.2	788.5	880.6	972.7	1052.4	1116.3	1142.7
30°	423.2	492.5	561.9	631.2	739.3	847.3	955.4	1063.4	1137.1	1208.4	1247.1
32.5°	421.2	510.2	599.0	688.0	813.9	939.6	1065.4	1191.1	1240.0	1303.3	1355.5
35°	426.8	524.6	622.3	719.9	864.2	1008.4	1152.6	1296.8	1366.3	1429.0	1474.7
37.5°	443.8	552.9	661.9	771.0	944.8	1118.8	1292.6	1466.5	1583.0	1697.7	1718.2
40°	453.4	569.2	684.8	800.4	1002.6	1204.7	1406.9	1609.0	1743.1	1868.9	1877.4
42.5°	464.7	590.2	715.6	841.1	1065.3	1289.5	1513.7	1737.8	1903.7	2039.0	2043.1
45°	477.7	606.8	736.0	865.1	1099.2	1333.0	1567.1	1801.0	2001.6	2166.0	2125.9
47.5°	482.8	621.6	760.3	899.0	1148.5	1397.9	1647.4	1896.8	2076.8	2226.3	2187.9
50°	484.8	636.2	787.4	938.6	1197.1	1455.8	1714.3	1972.8	2155.9	2301.7	2242.9
52.5°	497.3	663.0	828.6	994.2	1263.5	1532.9	1802.2	2071.5	2251.7	2391.8	2318.7
55°	514.2	702.6	890.8	1079.2	1358.0	1636.6	1915.4	2194.0	2374.8	2505.1	2414.6
57.5°	529.8	732.8	935.5	1138.3	1427.2	1716.1	2005.0	2293.8	2476.9	2605.9	2518.1
60°	522.3	734.0	945.8	1157.5	1441.4	1725.1	2009.0	2292.7	2500.6	2655.2	2610.4
62.5°	499.3	705.2	910.9	1116.8	1386.3	1655.6	1925.1	2194.4	2437.8	2636.1	2634.0
65°	455.2	644.7	834.0	1023.5	1272.8	1522.3	1771.7	2021.1	2307.9	2548.8	2564.4
67.5°	401.5	558.8	716.1	873.3	1108.1	1342.9	1577.8	1812.6	2119.2	2385.0	2398.5
70°	349.5	464.8	580.0	695.2	901.3	1107.5	1313.5	1519.7	1829.5	2098.3	2110.7
72.5°	288.5	363.9	439.1	514.5	681.5	848.6	1015.4	1182.4	1454.4	1661.2	1731.0
75°	221.0	265.8	310.5	355.2	490.4	625.5	760.5	895.6	1076.4	1229.0	1307.7
77.5°	158.0	181.3	204.5	227.7	342.5	457.4	572.1	687.0	782.0	868.5	921.6
80°	103.7	114.5	125.5	136.4	231.9	327.4	422.7	518.2	576.1	622.6	649.3
82.5°	62.8	68.3	73.5	78.9	156.3	233.7	311.0	388.4	421.5	443.6	467.5
85°	33.9	36.8	39.8	42.7	92.4	141.9	191.6	241.2	244.4	247.0	282.5
87.5°	9.9	10.8	11.6	12.4	20.4	28.6	36.7	44.7	27.9	17.3	35.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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

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: P596158

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4
2.5°	409.9	407.9	405.9	403.7	401.7	393.2	384.8	376.3	367.8	376.0	384.0
5°	510.5	516.7	522.7	528.9	535.1	535.6	535.9	536.3	536.7	538.2	539.7
7.5°	582.9	593.9	604.8	615.8	626.7	635.3	643.8	652.4	660.9	653.2	645.5
10°	589.1	612.3	635.6	658.8	682.0	686.2	690.2	694.4	698.6	704.1	709.6
12.5°	595.3	623.6	651.8	680.1	708.5	720.9	733.1	745.5	757.7	763.7	769.6
15°	660.8	677.5	694.1	710.8	727.4	735.9	744.2	752.7	761.3	766.4	771.3
17.5°	745.0	751.2	757.2	763.4	769.6	775.3	781.1	786.8	792.5	793.4	794.4
20°	821.8	823.0	824.1	825.3	826.4	814.3	802.4	790.4	778.3	780.4	782.5
22.5°	936.9	930.1	923.5	916.7	910.0	887.3	864.7	841.9	819.3	809.5	799.9
25°	1110.3	1093.0	1075.6	1058.3	1041.0	1004.7	968.7	932.4	896.4	875.2	854.1
27.5°	1166.2	1128.4	1090.8	1053.0	1015.3	987.9	960.6	933.2	906.0	872.4	838.8
30°	1279.2	1219.6	1160.1	1100.5	1041.0	1014.5	988.0	961.4	934.9	900.6	866.4
32.5°	1379.3	1317.4	1255.5	1193.4	1131.5	1081.4	1031.2	981.1	930.9	907.7	884.5
35°	1495.3	1417.4	1339.5	1261.7	1183.8	1140.8	1097.9	1054.9	1012.0	976.9	941.9
37.5°	1664.1	1581.3	1498.5	1415.5	1332.7	1274.5	1216.5	1158.3	1100.2	1080.9	1061.7
40°	1825.1	1727.3	1629.6	1531.8	1434.1	1389.5	1345.0	1300.2	1255.6	1223.0	1190.3
42.5°	1959.9	1863.2	1766.6	1669.9	1573.3	1540.8	1508.4	1475.9	1443.6	1416.6	1389.7
45°	2006.2	1927.3	1848.5	1769.5	1690.6	1679.2	1667.9	1656.4	1645.1	1625.1	1605.2
47.5°	2080.7	2000.2	1919.8	1839.4	1758.9	1763.0	1767.2	1771.6	1775.7	1776.8	1777.8
50°	2124.5	2048.0	1971.7	1895.2	1818.9	1839.2	1859.3	1879.6	1899.9	1945.9	1991.7
52.5°	2188.4	2113.3	2038.4	1963.3	1888.3	1922.6	1956.8	1991.2	2025.4	2089.8	2154.2
55°	2268.6	2196.8	2125.1	2053.3	1981.6	2015.0	2048.3	2081.8	2115.0	2186.7	2258.4
57.5°	2374.9	2298.0	2221.2	2144.3	2067.5	2098.3	2129.0	2159.8	2190.4	2258.5	2326.6
60°	2496.0	2412.4	2328.8	2245.1	2161.5	2170.0	2178.3	2186.9	2195.2	2269.1	2342.7
62.5°	2555.4	2478.0	2400.8	2323.4	2246.0	2222.3	2198.6	2174.8	2151.1	2217.2	2283.1
65°	2503.9	2450.6	2397.5	2344.3	2291.0	2249.2	2207.6	2165.8	2124.0	2165.3	2206.5
67.5°	2339.8	2309.6	2279.6	2249.4	2219.2	2149.1	2079.0	2008.7	1938.6	1941.4	1944.0
70°	2073.9	2065.8	2057.9	2049.9	2041.8	1936.4	1831.2	1725.7	1620.3	1604.2	1588.1
72.5°	1736.9	1742.1	1747.3	1752.5	1757.8	1644.5	1531.2	1417.9	1304.6	1277.8	1251.0
75°	1345.3	1374.4	1403.5	1432.7	1461.8	1353.5	1245.1	1136.6	1028.3	995.3	962.3
77.5°	950.6	1004.9	1059.1	1113.4	1167.7	1069.7	971.9	873.9	776.0	754.6	733.2
80°	662.8	689.4	716.1	742.7	769.3	720.1	670.9	621.6	572.4	578.3	584.0
82.5°	482.8	489.0	495.0	501.2	507.4	487.3	467.2	446.9	426.8	442.1	457.4
85°	309.3	331.4	353.4	375.5	397.5	375.2	352.9	330.5	308.2	318.4	328.6
87.5°	69.2	109.4	149.7	190.1	230.3	208.7	187.1	165.5	143.8	134.0	124.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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: P596158

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

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4
2.5°	392.2	400.4	398.0	395.6	393.2	390.7	395.2	399.7	404.3	408.8	407.2
5°	541.5	543.0	528.3	513.7	499.0	484.3	493.5	502.6	511.7	520.9	517.6
7.5°	637.7	630.0	621.5	613.0	604.3	595.8	593.9	592.1	590.1	588.2	585.7
10°	715.1	720.5	715.0	709.6	704.0	698.4	685.4	672.4	659.2	646.2	640.8
12.5°	775.6	781.7	783.1	784.3	785.7	787.1	772.6	758.2	743.6	729.1	715.9
15°	776.4	781.5	786.0	790.4	794.8	799.2	790.2	781.4	772.4	763.4	759.2
17.5°	795.5	796.4	792.7	789.1	785.4	781.8	778.3	774.9	771.3	767.9	761.3
20°	784.6	786.8	786.3	785.9	785.2	784.8	785.1	785.2	785.6	785.7	782.0
22.5°	790.2	780.4	782.5	784.3	786.3	788.2	793.8	799.3	805.1	810.6	825.5
25°	832.9	811.7	808.5	805.4	802.1	799.0	813.6	828.0	842.5	857.1	881.2
27.5°	805.1	771.5	764.0	756.6	749.2	741.7	763.9	785.9	808.0	830.1	854.7
30°	832.0	797.8	781.4	765.0	748.4	732.0	753.2	774.3	795.5	816.5	843.8
32.5°	861.2	838.0	827.0	816.2	805.2	794.4	796.1	797.8	799.5	801.2	839.6
35°	906.8	871.6	860.8	849.9	839.1	828.3	846.4	864.3	882.5	900.4	932.9
37.5°	1042.3	1023.0	1003.5	984.0	964.3	944.8	955.5	966.2	976.9	987.6	1018.2
40°	1157.7	1125.0	1121.8	1118.7	1115.4	1112.2	1113.1	1113.9	1114.8	1115.7	1141.9
42.5°	1362.6	1335.7	1319.1	1302.5	1286.0	1269.4	1268.3	1267.3	1266.0	1264.9	1284.6
45°	1585.0	1565.1	1552.7	1540.3	1527.8	1515.4	1495.7	1476.1	1456.3	1436.6	1453.8
47.5°	1778.8	1779.9	1802.4	1824.7	1847.1	1869.5	1836.0	1802.4	1768.8	1735.2	1713.0
50°	2037.6	2083.5	2088.9	2094.1	2099.6	2105.0	2048.0	1991.2	1934.2	1877.3	1854.1
52.5°	2218.7	2283.1	2274.8	2266.6	2258.2	2249.9	2216.9	2184.1	2151.1	2118.1	2067.5
55°	2330.2	2401.9	2395.5	2389.3	2383.0	2376.6	2352.6	2328.6	2304.7	2280.7	2225.1
57.5°	2394.7	2462.8	2464.7	2466.6	2468.4	2470.3	2463.9	2457.6	2451.2	2444.9	2372.6
60°	2416.6	2490.4	2491.2	2491.8	2492.6	2493.2	2483.1	2473.1	2462.8	2452.8	2405.6
62.5°	2349.2	2415.2	2418.1	2420.9	2423.8	2426.8	2419.8	2412.9	2405.9	2398.9	2363.9
65°	2247.8	2289.2	2289.9	2290.6	2291.3	2292.1	2274.5	2257.0	2239.3	2221.7	2213.3
67.5°	1946.8	1949.6	1966.0	1982.4	1998.8	2015.2	2016.6	2018.0	2019.5	2020.9	2008.9
70°	1572.0	1555.9	1573.7	1591.5	1609.3	1627.1	1634.7	1642.3	1650.1	1657.6	1663.2
72.5°	1224.1	1197.3	1210.4	1223.6	1236.9	1250.1	1238.8	1227.5	1216.2	1204.9	1240.6
75°	929.4	896.4	894.7	893.1	891.4	889.9	884.2	878.4	872.5	866.8	900.3
77.5°	711.7	690.4	691.4	692.4	693.5	694.4	688.5	682.8	676.9	671.0	683.9
80°	589.9	595.6	595.8	595.9	596.1	596.2	590.7	585.3	579.7	574.1	564.8
82.5°	472.9	488.2	488.0	488.0	487.9	487.7	487.4	487.1	486.7	486.3	471.2
85°	338.8	349.0	338.5	328.0	317.5	306.9	314.7	322.4	330.3	338.1	331.7
87.5°	114.7	105.1	92.6	80.2	67.6	55.1	68.6	82.0	95.7	109.1	116.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596158
 CATALOG NUMBER: MSA-SA1B-722-U-SLR

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: P596158

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

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4	336.4
2.5°	405.9	404.3	402.9	393.2	383.3	373.5	363.6	381.6	399.7	417.6	435.6
5°	514.5	511.3	508.2	507.4	506.6	505.7	504.9	514.1	523.2	532.2	541.3
7.5°	583.2	580.8	578.3	571.8	565.4	558.9	552.4	558.0	563.4	569.0	574.4
10°	635.6	630.1	624.7	610.6	596.7	582.6	568.5	564.4	560.2	556.0	551.8
12.5°	702.7	689.4	676.3	660.3	644.2	628.3	612.2	610.0	607.9	605.8	603.7
15°	755.2	751.0	746.9	734.2	721.5	708.8	696.1	679.1	661.9	644.9	627.8
17.5°	754.8	748.1	741.6	758.6	775.5	792.5	809.4	791.3	773.0	754.9	736.8
20°	778.3	774.4	770.7	802.1	833.4	864.8	896.1	886.2	876.1	866.2	856.1
22.5°	840.2	855.1	869.8	896.7	923.5	950.4	977.2	988.5	999.8	1011.1	1022.4
25°	905.2	929.4	953.5	993.6	1033.5	1073.6	1113.7	1121.8	1129.8	1137.9	1145.9
27.5°	879.2	903.8	928.4	958.8	988.9	1019.3	1049.5	1084.8	1120.2	1155.5	1190.8
30°	870.8	898.1	925.2	966.8	1008.3	1049.9	1091.6	1140.2	1188.8	1237.2	1285.8
32.5°	877.8	916.2	954.6	1010.9	1067.1	1123.5	1179.8	1230.9	1282.1	1333.2	1384.3
35°	965.3	997.8	1030.1	1093.1	1156.1	1219.1	1282.1	1342.0	1401.9	1461.7	1521.6
37.5°	1048.7	1079.3	1110.0	1174.4	1238.6	1303.0	1367.4	1462.0	1556.7	1651.3	1745.9
40°	1167.9	1194.0	1220.0	1275.2	1330.3	1385.4	1440.5	1554.5	1668.6	1782.7	1896.8
42.5°	1304.1	1323.8	1343.3	1400.4	1457.5	1514.6	1571.7	1695.9	1820.2	1944.3	2068.4
45°	1470.8	1488.0	1505.2	1544.5	1583.8	1623.3	1662.6	1790.6	1918.6	2046.6	2174.6
47.5°	1690.9	1668.8	1646.6	1666.0	1685.3	1704.7	1724.0	1850.7	1977.3	2103.7	2230.4
50°	1830.8	1807.6	1784.4	1786.1	1787.7	1789.4	1791.1	1909.2	2027.3	2145.2	2263.3
52.5°	2016.9	1966.1	1915.5	1915.0	1914.6	1914.0	1913.5	2016.4	2119.5	2222.5	2325.4
55°	2169.5	2114.0	2058.4	2047.5	2036.7	2025.7	2014.9	2116.7	2218.4	2320.3	2422.0
57.5°	2300.3	2227.9	2155.6	2138.6	2121.5	2104.5	2087.5	2197.2	2307.1	2416.9	2526.6
60°	2358.5	2311.3	2264.3	2243.4	2222.5	2201.6	2180.7	2274.2	2367.7	2461.0	2554.5
62.5°	2329.1	2294.1	2259.3	2264.1	2268.9	2273.7	2278.5	2331.9	2385.5	2438.9	2492.3
65°	2205.1	2196.8	2188.6	2227.3	2266.0	2304.7	2343.3	2344.1	2344.9	2345.7	2346.4
67.5°	1996.8	1984.7	1972.6	2053.1	2133.5	2213.9	2294.4	2256.2	2218.0	2179.9	2141.7
70°	1668.6	1674.2	1679.6	1789.2	1898.6	2008.2	2117.8	2062.4	2006.8	1951.4	1895.9
72.5°	1276.4	1312.3	1348.1	1461.7	1575.3	1688.9	1802.5	1739.2	1675.7	1612.4	1549.0
75°	933.7	967.1	1000.6	1112.8	1225.0	1337.4	1449.6	1374.4	1299.1	1224.1	1148.8
77.5°	696.7	709.7	722.6	815.9	909.1	1002.4	1095.6	1020.1	944.5	869.1	793.6
80°	555.7	546.4	537.3	589.0	640.7	692.4	744.1	690.5	636.8	583.2	529.7
82.5°	456.2	441.0	426.0	445.2	464.4	483.7	502.9	460.0	417.2	374.3	331.4
85°	325.4	319.0	312.7	318.2	323.7	329.2	334.8	293.0	251.2	209.6	167.8
87.5°	124.5	132.2	139.9	148.8	157.4	166.2	174.9	137.0	99.1	61.3	23.4
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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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°	336.4	336.4
2.5°	443.0	450.4
5°	541.1	541.0
7.5°	571.9	569.3
10°	545.0	538.2
12.5°	583.6	563.3
15°	607.7	587.4
17.5°	706.3	675.7
20°	819.8	783.2
22.5°	966.8	911.2
25°	1079.5	1012.9
27.5°	1151.3	1111.7
30°	1240.5	1195.1
32.5°	1350.8	1317.3
35°	1490.9	1460.1
37.5°	1736.3	1726.5
40°	1885.2	1873.4
42.5°	2068.9	2069.2
45°	2181.6	2188.6
47.5°	2248.0	2265.5
50°	2300.9	2338.4
52.5°	2376.6	2427.9
55°	2490.1	2558.0
57.5°	2584.5	2642.4
60°	2584.5	2614.4
62.5°	2491.5	2490.6
65°	2332.1	2317.5
67.5°	2123.4	2105.1
70°	1867.4	1838.7
72.5°	1513.5	1477.9
75°	1100.1	1051.2
77.5°	770.4	747.0
80°	541.0	552.3
82.5°	347.5	363.6
85°	165.3	162.8
87.5°	19.5	15.6
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



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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)