

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: P366700

Luminaire Tested: **MSA-SA1A-760-U-SLR**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P366700
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-24)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: MSA-SA1A-760-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: 3462 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

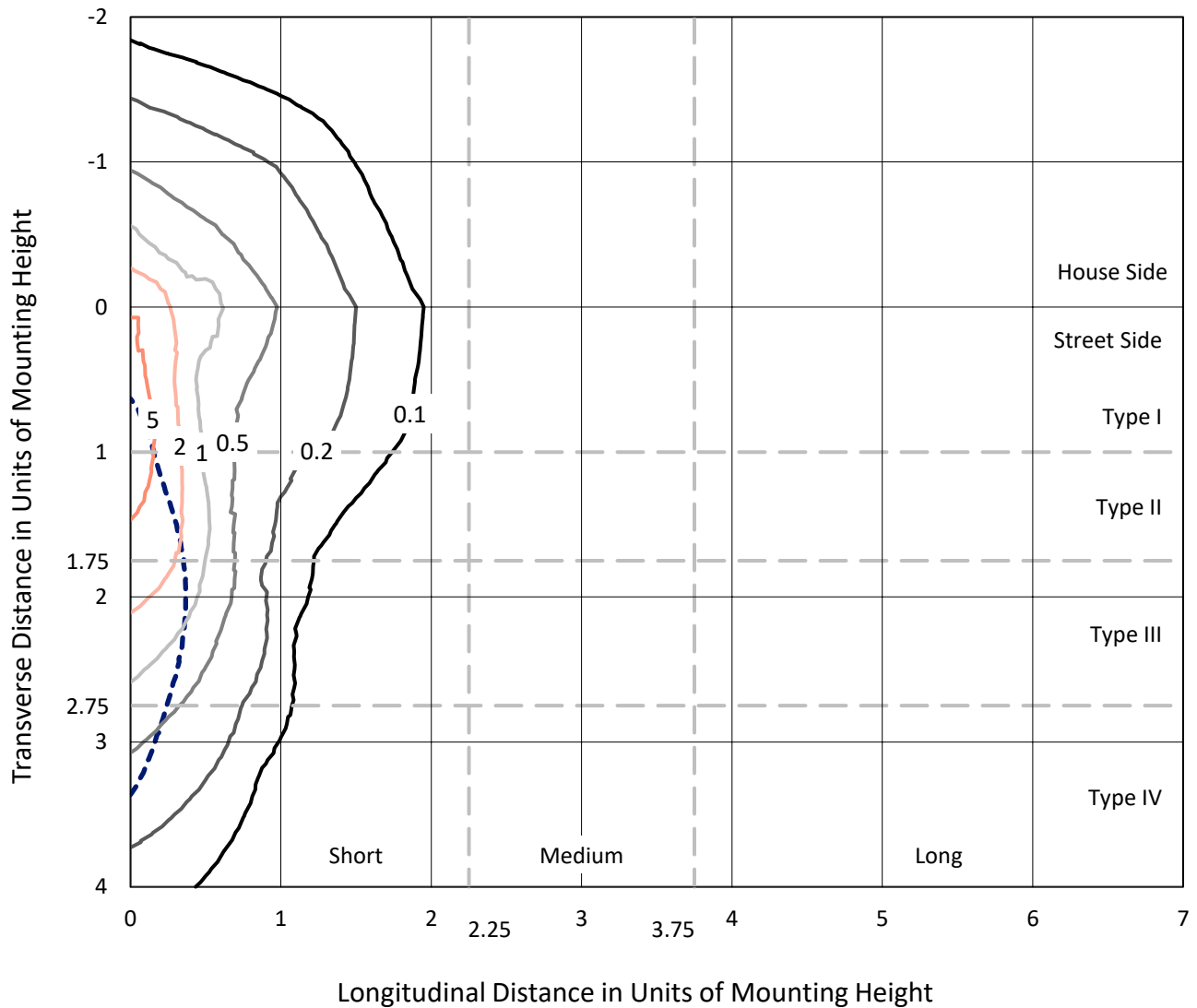
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

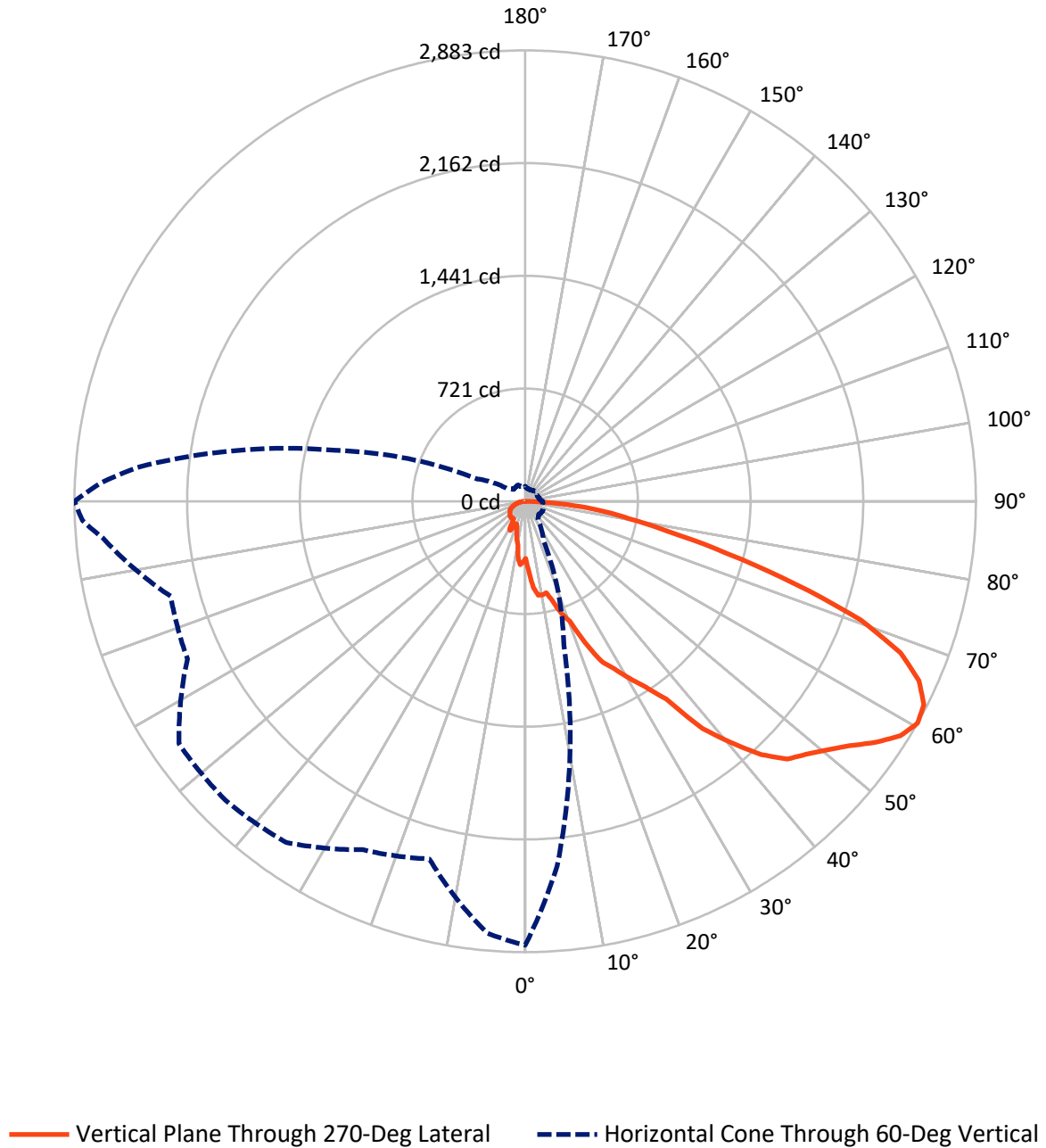
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 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	670.5	0.0	670.5
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	2791.5	0.0	2791.5
	% Fixture	80.6	0.0	80.6
Total	Lumens	3462.0	0.0	3462.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.9	1.2
10°-20°	121.6	3.5
20°-30°	214.7	6.2
30°-40°	334.5	9.7
40°-50°	550.6	15.9
50°-60°	785.9	22.7
60°-70°	833.4	24.1
70°-80°	460.3	13.3
80°-90°	119.1	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°	3462.0	100.0
0°-180°	3462.0	100.0

Coefficient of Utilization



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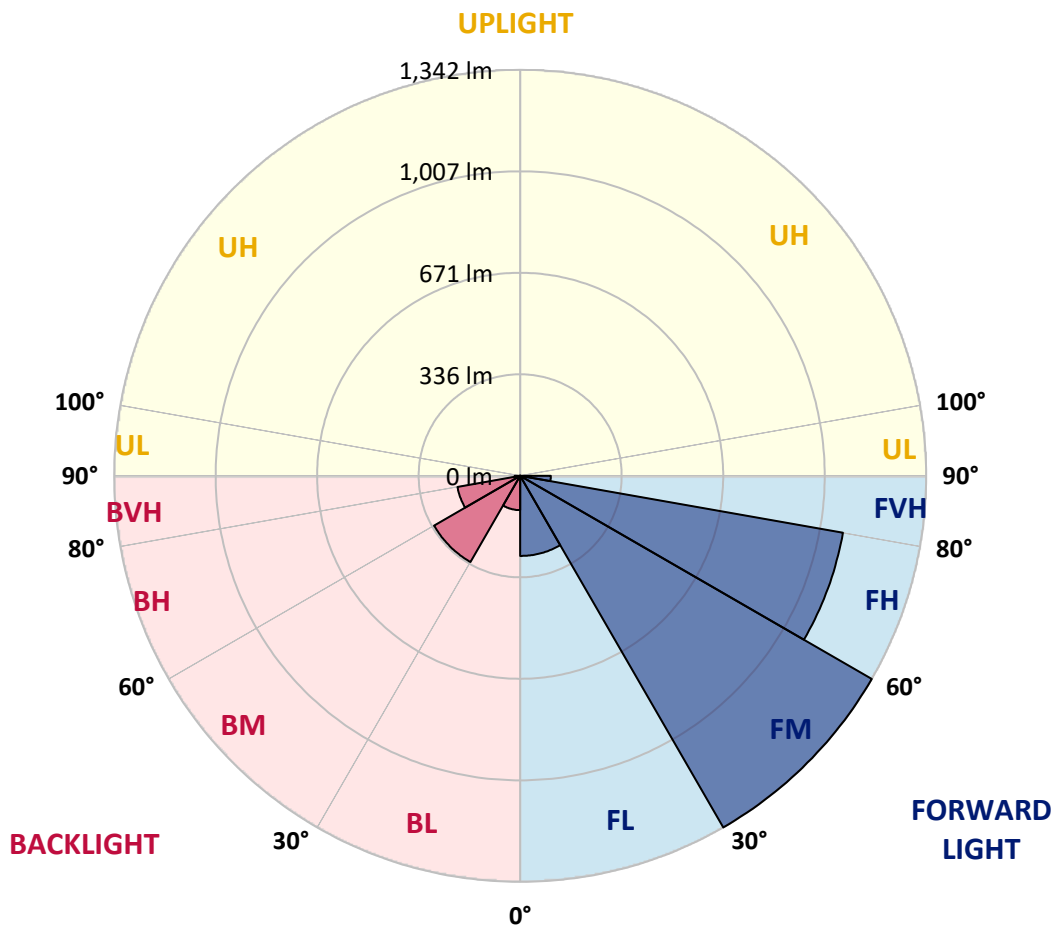
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	264.9	7.7			
FM (30°-60°)	1342.1	38.8			
FH (60°-80°)	1083.3	31.3			G1/1800
FVH (80°-90°)	101.2	2.9			G2/225
BL (0°-30°)	113.3	3.3	B1/500		
BM (30°-60°)	328.9	9.5	B1/1000		
BH (60°-80°)	210.4	6.1	B1/500		G1/500
BVH (80°-90°)	17.9	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2
2.5°	489.0	492.0	494.9	489.2	483.5	477.6	471.9	463.3	454.5	446.0	437.2
5°	587.3	576.2	565.0	560.4	556.0	551.5	547.0	542.8	538.6	534.2	530.0
7.5°	618.1	602.3	586.3	579.6	572.8	566.0	559.2	544.1	529.0	513.7	498.6
10°	584.3	567.8	551.2	544.6	537.9	531.3	524.6	506.1	487.8	469.3	450.9
12.5°	611.5	594.7	577.7	556.9	536.0	515.0	494.2	484.0	473.7	463.3	453.0
15°	637.7	615.0	592.2	571.3	550.5	529.5	508.7	488.2	467.7	447.2	426.7
17.5°	733.5	695.7	657.9	620.2	582.4	544.8	507.0	483.3	459.4	435.7	411.9
20°	850.3	797.7	744.9	687.8	630.5	573.4	516.1	486.1	456.4	426.5	396.6
22.5°	989.3	922.9	856.5	784.4	712.3	640.1	568.0	524.6	481.3	437.7	394.4
25°	1099.7	1035.8	971.9	880.5	789.1	697.7	606.3	557.1	507.8	458.4	409.2
27.5°	1206.9	1105.2	1003.4	898.7	794.2	689.5	584.8	539.2	493.7	448.2	402.6
30°	1297.4	1216.8	1136.1	999.5	862.9	726.1	589.5	533.5	477.6	421.6	365.7
32.5°	1430.0	1314.9	1199.6	1057.1	914.6	772.1	629.6	558.1	486.5	414.9	343.3
35°	1585.1	1465.5	1345.8	1169.6	993.5	817.2	640.9	565.1	489.2	413.4	337.4
37.5°	1874.3	1663.4	1452.4	1260.0	1067.6	875.0	682.6	594.5	506.5	418.3	330.2
40°	2033.8	1838.9	1643.9	1404.1	1164.3	924.4	684.6	594.5	504.3	414.2	324.0
42.5°	2246.4	1999.8	1753.2	1493.9	1234.8	975.5	716.2	616.4	516.6	416.6	316.8
45°	2375.9	2101.2	1826.3	1549.2	1272.1	995.0	717.9	616.5	515.2	413.9	312.6
47.5°	2459.4	2195.6	1931.6	1633.3	1335.1	1036.6	738.4	630.8	523.1	415.6	307.8
50°	2538.6	2277.3	2015.8	1706.1	1396.6	1086.9	777.2	659.7	542.3	424.6	307.2
52.5°	2635.7	2395.1	2154.3	1822.1	1489.7	1157.5	825.1	697.2	569.3	441.4	313.6
55°	2777.0	2539.9	2302.7	1946.1	1589.3	1232.7	876.0	734.0	592.2	450.2	308.2
57.5°	2868.6	2628.1	2387.7	2024.0	1660.4	1296.6	933.0	775.7	618.4	460.9	303.6
60°	2838.2	2590.2	2342.0	1995.3	1648.6	1302.0	955.3	785.4	615.7	445.8	275.9
62.5°	2703.8	2440.1	2176.5	1865.9	1555.5	1245.0	934.5	761.7	589.1	416.4	243.7
65°	2515.9	2243.3	1970.6	1690.5	1410.4	1130.2	850.1	693.3	536.4	379.6	222.7
67.5°	2285.3	2001.2	1716.9	1468.8	1220.8	972.6	724.6	593.5	462.6	331.5	200.5
70°	1996.1	1716.9	1437.6	1223.0	1008.4	793.8	579.2	480.6	382.1	283.5	184.8
72.5°	1604.4	1363.5	1122.5	953.6	784.7	615.9	447.0	378.4	310.0	241.5	172.9
75°	1141.2	999.5	857.8	726.4	595.0	463.5	332.0	287.7	243.3	199.0	154.6
77.5°	811.0	727.4	643.9	540.9	437.9	334.9	231.9	205.8	180.0	153.9	127.9
80°	599.6	529.8	460.1	382.5	304.8	227.2	149.6	136.8	124.2	111.4	98.6
82.5°	394.7	363.3	331.7	270.2	208.7	147.2	85.7	81.0	76.3	71.6	66.9
85°	176.8	186.7	196.4	158.8	121.0	83.3	45.5	43.4	41.2	39.0	36.8
87.5°	17.0	25.0	33.1	28.4	23.5	18.8	13.9	13.8	13.8	13.6	13.4
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°	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2
2.5°	439.6	441.9	444.3	446.7	444.1	441.6	438.9	436.4	433.2	430.0	426.7
5°	522.9	515.7	508.7	501.4	490.7	479.9	469.0	458.2	456.9	455.4	454.0
7.5°	485.3	472.2	458.9	445.6	428.8	412.2	395.4	378.6	373.6	368.5	363.5
10°	441.9	432.9	424.0	414.9	404.5	394.1	383.5	373.0	359.3	345.3	331.5
12.5°	438.2	423.5	408.5	393.7	387.3	380.9	374.6	368.2	356.1	344.0	331.7
15°	414.7	402.6	390.7	378.6	369.4	360.1	350.9	341.6	331.9	322.0	312.2
17.5°	398.1	384.3	370.5	356.7	346.2	335.6	324.8	314.2	302.5	290.5	278.8
20°	380.8	365.2	349.4	333.6	320.1	306.8	293.4	280.0	267.0	254.2	241.3
22.5°	373.7	353.1	332.4	311.7	297.6	283.3	269.2	254.9	243.0	231.1	219.1
25°	384.5	359.9	335.2	310.5	291.5	272.4	253.4	234.2	224.3	214.4	204.3
27.5°	371.9	341.0	310.2	279.3	258.9	238.4	218.1	197.6	196.1	194.6	192.9
30°	333.2	300.8	268.4	235.9	217.3	198.5	179.8	161.0	157.5	153.8	150.2
32.5°	310.2	277.1	244.0	210.9	194.3	177.5	160.8	144.0	140.0	135.9	131.9
35°	301.5	265.5	229.5	193.6	179.3	165.0	150.7	136.4	133.6	130.9	128.0
37.5°	294.4	258.8	223.0	187.2	173.4	159.6	145.7	131.9	129.7	127.5	125.4
40°	287.7	251.6	215.3	179.0	166.7	154.6	142.3	130.1	128.7	127.4	125.9
42.5°	281.6	246.5	211.2	176.1	165.2	154.4	143.5	132.6	131.2	129.9	128.6
45°	278.3	244.0	209.7	175.4	167.5	159.6	151.6	143.7	140.5	137.3	133.9
47.5°	275.8	243.7	211.6	179.5	171.2	163.0	154.8	146.5	143.7	140.8	137.8
50°	276.3	245.5	214.6	183.7	173.8	163.7	153.8	143.7	143.3	143.0	142.7
52.5°	280.8	248.2	215.4	182.7	171.9	161.2	150.2	139.5	141.7	143.7	145.9
55°	274.2	240.3	206.2	172.2	162.0	151.9	141.7	131.4	134.3	137.0	139.8
57.5°	266.8	230.0	193.2	156.4	148.7	141.0	133.1	125.4	128.4	131.6	134.6
60°	242.3	208.7	175.1	141.5	136.3	131.1	125.9	120.7	122.0	123.3	124.7
62.5°	215.4	187.0	158.8	130.4	126.4	122.2	118.1	113.9	113.9	114.1	114.1
65°	198.3	173.9	149.6	125.2	120.7	116.1	111.4	106.9	106.2	105.5	104.9
67.5°	181.1	162.0	142.7	123.3	116.8	110.4	103.8	97.3	96.5	95.8	94.9
70°	167.7	150.6	133.4	116.3	108.9	101.7	94.3	86.9	86.2	85.7	85.0
72.5°	156.8	140.8	124.7	108.6	100.8	92.9	85.2	77.3	76.8	76.3	75.6
75°	140.3	126.2	111.9	97.6	90.1	82.7	75.1	67.6	66.9	66.4	65.7
77.5°	116.1	104.2	92.4	80.5	74.6	68.9	63.0	57.1	56.8	56.5	56.0
80°	89.4	80.2	70.7	61.5	57.6	53.6	49.7	45.7	45.5	45.4	45.0
82.5°	61.3	55.8	50.2	44.7	41.8	38.8	36.0	32.9	33.1	33.3	33.4
85°	35.0	32.9	31.1	29.1	26.7	24.5	22.2	19.8	20.3	20.8	21.2
87.5°	12.8	12.1	11.4	10.8	9.6	8.6	7.4	6.2	6.6	7.1	7.4
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):

	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: P366700
 CATALOG NUMBER: MSA-SA1A-760-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2
2.5°	423.5	418.4	413.4	408.3	403.3	392.9	382.6	372.2	361.8	368.2	374.7
5°	452.5	444.0	435.2	426.7	417.9	413.0	408.2	403.3	398.4	400.9	403.6
7.5°	358.4	353.4	348.2	343.1	337.9	335.7	333.7	331.5	329.4	335.6	341.8
10°	317.6	310.5	303.5	296.3	289.2	285.0	280.8	276.6	272.4	274.1	275.8
12.5°	319.6	309.2	298.8	288.4	277.9	271.7	265.5	259.3	253.1	254.6	256.1
15°	302.3	291.5	280.8	270.0	259.3	252.1	244.7	237.4	230.0	227.5	224.8
17.5°	266.8	255.1	243.3	231.6	219.8	214.9	210.0	205.2	200.3	197.6	194.9
20°	228.4	217.4	206.5	195.6	184.7	181.3	178.0	174.4	171.1	169.4	167.5
22.5°	207.2	200.5	193.6	186.9	180.0	176.1	172.4	168.5	164.7	162.8	160.8
25°	194.4	195.8	197.3	198.6	200.0	198.3	196.4	194.8	192.9	193.6	194.1
27.5°	191.4	194.3	197.3	200.1	203.0	204.5	206.0	207.5	209.0	209.5	210.0
30°	146.5	148.0	149.4	150.9	152.2	156.4	160.6	164.7	168.9	175.4	182.2
32.5°	127.9	127.4	126.9	126.2	125.7	126.7	127.7	128.6	129.6	131.9	134.4
35°	125.2	124.0	122.7	121.5	120.1	120.7	121.2	121.7	122.2	124.0	125.9
37.5°	123.2	122.7	122.3	121.8	121.3	122.5	123.5	124.7	125.7	127.2	128.7
40°	124.5	124.3	124.2	123.8	123.7	124.3	125.0	125.7	126.4	128.4	130.4
42.5°	127.2	127.2	127.0	127.0	126.9	127.5	128.0	128.7	129.2	130.4	131.6
45°	130.7	130.4	130.2	129.9	129.6	129.4	129.4	129.2	129.1	129.7	130.6
47.5°	134.9	133.8	132.4	131.2	129.9	129.6	129.1	128.7	128.2	128.6	128.9
50°	142.3	139.1	136.1	132.9	129.7	128.9	128.0	127.2	126.4	126.2	126.2
52.5°	147.9	143.2	138.5	133.8	129.1	127.5	126.0	124.5	123.0	122.7	122.5
55°	142.5	139.0	135.6	132.1	128.6	126.4	124.0	121.8	119.5	119.0	118.5
57.5°	137.6	135.4	133.3	131.1	128.9	126.7	124.3	122.2	119.8	118.6	117.5
60°	126.0	126.0	126.2	126.2	126.2	123.8	121.5	119.1	116.8	115.6	114.6
62.5°	114.1	115.9	117.6	119.5	121.2	118.0	114.6	111.4	108.0	107.2	106.5
65°	104.2	104.7	105.4	105.9	106.4	103.8	101.3	98.8	96.3	95.8	95.1
67.5°	94.1	93.9	93.8	93.4	93.3	91.7	90.1	88.6	86.9	86.2	85.5
70°	84.4	84.2	84.0	83.7	83.5	82.2	80.8	79.5	78.1	77.6	77.1
72.5°	75.1	74.9	74.6	74.4	74.1	72.9	71.9	70.7	69.6	68.9	68.2
75°	65.0	64.7	64.4	64.0	63.7	62.7	61.7	60.5	59.5	58.8	58.1
77.5°	55.6	55.1	54.6	53.9	53.4	52.6	51.6	50.7	49.7	48.9	48.2
80°	44.9	44.5	44.2	43.7	43.4	42.5	41.7	40.7	39.8	38.8	38.0
82.5°	33.6	33.4	33.1	32.9	32.6	31.8	30.9	30.1	29.2	28.2	27.2
85°	21.7	21.5	21.3	21.2	21.0	20.3	19.8	19.2	18.5	17.5	16.6
87.5°	7.7	7.4	7.2	6.9	6.6	6.4	6.0	5.9	5.5	5.0	4.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366700
 CATALOG NUMBER: MSA-SA1A-760-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: P366700
 CATALOG NUMBER: MSA-SA1A-760-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2
2.5°	381.1	387.5	387.7	387.7	390.7	393.5	387.7	381.8	375.7	369.9	364.0
5°	406.2	408.7	408.0	407.2	403.5	399.8	395.9	392.0	388.2	384.3	384.5
7.5°	348.0	354.2	359.3	364.1	359.4	354.7	352.2	349.7	347.2	344.6	344.3
10°	277.3	278.9	281.0	282.8	280.0	276.9	282.0	287.0	291.9	296.9	291.4
12.5°	257.6	259.1	255.6	251.9	250.7	249.5	248.4	247.0	245.8	244.5	243.8
15°	222.3	219.6	216.9	214.1	213.4	212.6	211.7	210.7	209.9	208.9	205.8
17.5°	192.2	189.5	185.0	180.3	178.5	176.4	175.9	175.4	174.8	174.3	171.4
20°	165.9	164.0	162.8	161.5	159.6	157.8	155.9	154.1	152.1	150.2	147.5
22.5°	159.0	156.9	155.4	153.8	153.4	153.1	149.7	146.2	142.8	139.3	137.8
25°	194.8	195.3	186.0	176.6	175.8	174.9	168.9	162.7	156.6	150.4	145.2
27.5°	210.4	210.9	210.6	210.2	207.5	204.7	194.4	184.0	173.8	163.3	155.9
30°	188.7	195.3	197.8	200.3	198.5	196.4	185.7	175.1	164.3	153.6	148.7
32.5°	136.8	139.1	143.3	147.4	149.6	151.6	148.2	144.9	141.5	138.1	137.3
35°	127.5	129.4	130.2	131.1	129.7	128.4	125.9	123.3	120.7	118.1	117.6
37.5°	130.1	131.6	133.3	134.9	131.2	127.4	124.5	121.8	119.0	116.1	113.8
40°	132.4	134.4	135.4	136.4	132.8	129.1	125.5	122.2	118.6	115.1	112.8
42.5°	132.8	133.9	135.8	137.6	132.4	127.0	123.8	120.5	117.3	113.9	111.6
45°	131.2	131.9	133.6	135.3	129.2	123.0	120.1	117.1	114.3	111.2	109.2
47.5°	129.1	129.4	130.7	131.9	125.5	119.0	116.3	113.6	110.7	108.0	106.0
50°	126.0	125.9	126.9	127.7	121.2	114.6	111.9	109.4	106.7	104.0	102.3
52.5°	122.2	121.8	122.8	123.7	116.8	109.9	107.5	105.4	103.0	100.7	99.3
55°	117.8	117.3	118.1	119.0	112.3	105.4	103.3	101.2	99.1	97.0	95.8
57.5°	116.1	114.9	115.4	115.9	108.4	100.8	98.8	96.8	94.8	92.8	91.9
60°	113.4	112.3	112.8	113.1	105.0	96.8	94.9	92.9	91.1	89.1	88.2
62.5°	105.7	104.9	105.5	106.2	99.0	91.6	89.9	88.4	86.7	85.0	83.9
65°	94.6	93.9	95.3	96.6	90.4	84.2	83.2	82.2	81.0	80.0	78.8
67.5°	84.9	84.2	85.5	86.9	82.3	77.8	76.8	75.8	74.8	73.8	73.1
70°	76.6	76.1	77.3	78.5	74.6	70.7	69.7	68.9	67.9	66.9	66.4
72.5°	67.4	66.7	68.2	69.6	66.4	63.0	62.2	61.2	60.3	59.3	59.0
75°	57.5	56.8	58.1	59.3	57.1	54.8	53.9	53.1	52.3	51.4	51.3
77.5°	47.4	46.5	47.9	49.1	47.7	46.2	45.5	44.7	44.0	43.2	43.2
80°	37.0	36.0	37.0	37.8	37.3	36.8	36.3	35.6	35.1	34.4	34.6
82.5°	26.2	25.2	25.7	26.2	26.6	26.9	26.9	26.9	26.9	26.9	26.9
85°	15.6	14.6	14.8	15.0	15.5	16.0	16.1	16.3	16.5	16.6	16.8
87.5°	4.0	3.5	3.2	2.7	3.2	3.5	3.9	4.0	4.4	4.5	4.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366700
 CATALOG NUMBER: MSA-SA1A-760-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: P366700
 CATALOG NUMBER: MSA-SA1A-760-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2
2.5°	358.1	352.0	346.2	349.9	353.4	357.1	360.6	360.8	360.8	360.9	360.9
5°	384.8	385.0	385.1	381.6	378.3	374.7	371.2	369.4	367.5	365.5	363.6
7.5°	343.8	343.5	343.0	339.6	336.2	332.9	329.5	321.5	313.2	305.2	296.9
10°	285.7	280.1	274.4	273.1	271.9	270.5	269.2	267.0	265.0	262.8	260.6
12.5°	243.2	242.5	241.8	238.3	234.8	231.1	227.5	227.5	227.5	227.5	227.5
15°	202.7	199.6	196.4	194.8	192.9	191.2	189.4	188.5	187.7	186.9	186.0
17.5°	168.4	165.5	162.5	162.2	161.8	161.5	161.2	160.3	159.5	158.6	157.8
20°	144.9	142.2	139.5	140.5	141.5	142.3	143.3	142.5	141.7	140.6	139.8
22.5°	136.1	134.6	132.9	132.1	131.2	130.2	129.4	129.4	129.6	129.6	129.6
25°	140.1	134.9	129.7	127.2	124.7	122.0	119.5	118.5	117.6	116.6	115.6
27.5°	148.5	141.0	133.6	129.2	124.9	120.5	116.1	114.3	112.3	110.4	108.4
30°	143.7	138.8	133.8	128.7	123.7	118.6	113.6	111.2	108.9	106.4	104.0
32.5°	136.4	135.4	134.6	129.9	125.2	120.3	115.6	114.6	113.8	112.8	111.7
35°	117.0	116.5	115.8	114.6	113.4	112.3	111.1	109.7	108.4	107.0	105.7
37.5°	111.6	109.2	106.9	106.4	105.9	105.4	104.9	104.4	103.8	103.2	102.7
40°	110.4	108.0	105.7	104.9	104.0	103.0	102.2	102.3	102.7	102.8	103.0
42.5°	109.1	106.7	104.2	103.5	102.8	102.2	101.5	101.7	102.0	102.2	102.3
45°	107.4	105.4	103.3	102.2	101.2	100.0	98.8	99.8	100.8	101.7	102.7
47.5°	104.0	101.8	99.8	99.1	98.5	97.6	97.0	98.0	99.0	99.8	100.8
50°	100.5	98.8	97.0	96.8	96.6	96.3	96.1	96.8	97.5	98.1	98.8
52.5°	97.8	96.5	94.9	94.9	94.8	94.8	94.6	95.3	96.0	96.5	97.1
55°	94.8	93.6	92.4	92.6	92.9	93.1	93.3	93.9	94.8	95.4	96.1
57.5°	90.9	90.1	89.1	89.7	90.2	90.9	91.4	91.9	92.6	93.1	93.6
60°	87.2	86.4	85.4	86.0	86.9	87.5	88.2	88.7	89.2	89.7	90.2
62.5°	82.7	81.3	80.2	81.2	82.0	83.0	83.9	84.2	84.7	85.0	85.4
65°	77.8	76.6	75.4	76.1	76.8	77.3	78.0	78.5	79.0	79.5	80.0
67.5°	72.3	71.6	70.7	71.2	71.8	72.3	72.8	72.9	72.9	73.1	73.1
70°	65.7	65.2	64.5	64.9	65.4	65.7	66.0	66.0	66.0	65.9	65.9
72.5°	58.8	58.5	58.1	58.3	58.6	58.8	59.0	58.8	58.6	58.5	58.3
75°	51.1	50.9	50.7	50.9	51.3	51.4	51.6	51.4	51.1	50.9	50.6
77.5°	43.4	43.4	43.4	43.4	43.5	43.5	43.5	43.2	42.9	42.5	42.2
80°	34.8	35.0	35.1	35.1	35.1	35.1	35.1	34.8	34.4	33.9	33.6
82.5°	26.9	26.9	26.9	26.9	27.1	27.1	27.1	26.2	25.5	24.7	23.9
85°	16.8	17.0	17.0	17.1	17.3	17.3	17.5	16.3	15.3	14.1	12.9
87.5°	4.5	4.5	4.5	4.5	4.5	4.4	4.4	3.4	2.2	1.2	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: P366700
 CATALOG NUMBER: MSA-SA1A-760-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2
2.5°	362.0	363.0	363.8	364.8	365.0	365.2	365.2	365.3	361.8	358.3	354.6
5°	366.2	368.5	371.0	373.4	372.9	372.4	371.9	371.4	370.4	369.5	368.5
7.5°	295.1	293.4	291.5	289.7	291.2	292.7	294.2	295.8	296.4	297.1	297.6
10°	256.4	252.2	248.0	243.8	241.5	239.0	236.6	234.1	233.7	233.6	233.2
12.5°	223.2	218.6	214.3	209.7	208.4	206.9	205.5	204.0	205.3	206.7	207.9
15°	184.2	182.5	180.6	178.8	180.3	181.8	183.3	184.8	186.2	187.4	188.7
17.5°	156.9	156.3	155.4	154.6	155.9	157.5	158.8	160.1	163.2	166.2	169.2
20°	139.1	138.6	138.0	137.3	136.8	136.1	135.6	134.9	139.3	143.5	147.9
22.5°	128.6	127.5	126.5	125.5	125.7	125.9	125.9	126.0	129.6	133.3	136.8
25°	115.3	114.9	114.6	114.3	115.3	116.3	117.1	118.1	121.3	124.5	127.5
27.5°	108.6	108.7	108.9	109.1	110.4	111.9	113.3	114.6	116.8	119.0	121.2
30°	104.9	105.9	106.7	107.5	108.0	108.6	109.1	109.6	111.7	113.8	115.9
32.5°	110.4	109.1	107.5	106.2	106.9	107.7	108.4	109.1	111.1	113.1	115.1
35°	105.2	104.5	104.0	103.3	104.2	105.0	105.7	106.5	108.4	110.1	111.9
37.5°	102.5	102.3	102.2	102.0	102.5	103.0	103.3	103.8	105.5	107.2	108.7
40°	102.3	101.5	100.8	100.0	100.5	101.0	101.3	101.8	103.8	105.9	107.9
42.5°	101.3	100.3	99.1	98.1	98.6	99.3	99.8	100.3	102.5	104.5	106.7
45°	101.2	99.6	98.0	96.5	97.1	97.8	98.5	99.1	100.8	102.5	104.0
47.5°	99.3	97.8	96.3	94.8	95.1	95.4	95.6	96.0	97.5	98.8	100.3
50°	97.8	96.6	95.6	94.4	93.9	93.6	93.1	92.6	93.8	94.9	96.1
52.5°	96.0	94.8	93.4	92.3	91.6	90.9	90.2	89.6	90.6	91.4	92.4
55°	94.8	93.3	91.9	90.4	89.6	88.7	87.9	87.0	87.7	88.2	88.9
57.5°	92.3	90.9	89.4	88.1	87.0	86.0	84.9	83.9	84.2	84.5	84.9
60°	88.9	87.4	86.0	84.5	83.3	82.2	80.8	79.7	79.8	80.2	80.3
62.5°	84.0	82.7	81.2	79.8	78.5	77.3	76.0	74.6	74.9	75.1	75.4
65°	78.6	77.1	75.8	74.3	73.1	71.9	70.6	69.4	69.7	70.1	70.2
67.5°	72.1	70.9	69.9	68.7	67.7	66.5	65.5	64.4	64.5	64.7	64.9
70°	65.0	64.0	63.2	62.2	61.3	60.5	59.7	58.8	58.8	59.0	59.0
72.5°	57.5	56.6	55.8	54.9	54.1	53.4	52.6	51.8	52.1	52.4	52.6
75°	49.7	49.1	48.2	47.4	46.7	46.0	45.2	44.5	44.9	45.2	45.4
77.5°	41.7	41.2	40.5	40.0	39.3	38.6	37.8	37.1	37.5	37.8	38.0
80°	33.3	32.9	32.4	32.1	31.4	30.8	30.1	29.4	29.6	29.6	29.7
82.5°	24.0	24.2	24.2	24.4	23.9	23.2	22.7	22.0	22.0	22.0	21.8
85°	13.4	14.1	14.6	15.1	14.6	14.1	13.6	13.1	12.9	12.9	12.8
87.5°	0.5	0.8	1.3	1.7	1.5	1.3	1.0	0.8	1.0	1.2	1.2
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: P366700
 CATALOG NUMBER: MSA-SA1A-760-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: P366700
 CATALOG NUMBER: MSA-SA1A-760-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2
2.5°	351.0	353.9	356.7	359.6	362.5	366.8	371.2	375.7	380.3	377.8	375.1
5°	367.5	369.2	371.0	372.7	374.4	379.3	384.0	389.9	395.6	394.9	394.1
7.5°	298.3	300.6	303.0	305.2	307.5	314.9	322.3	328.5	334.7	333.9	332.9
10°	232.9	237.8	242.8	247.7	252.6	258.6	264.5	269.7	274.9	283.7	292.2
12.5°	209.2	216.8	224.3	231.9	239.5	243.8	248.0	254.7	261.5	266.2	271.0
15°	189.9	196.9	204.0	211.1	218.1	218.5	218.8	225.8	232.9	236.9	240.8
17.5°	172.2	176.1	180.0	183.7	187.5	186.2	184.8	188.2	191.4	193.1	194.9
20°	152.1	154.8	157.5	160.1	162.8	164.7	166.4	168.4	170.2	168.5	166.7
22.5°	140.3	144.3	148.5	152.6	156.6	157.8	158.8	157.6	156.4	155.9	155.4
25°	130.7	135.6	140.6	145.5	150.4	152.7	155.1	156.1	156.9	155.1	153.3
27.5°	123.3	129.2	134.9	140.8	146.5	150.7	154.9	156.1	157.1	155.8	154.3
30°	118.0	124.3	130.7	137.1	143.5	149.9	156.1	161.7	167.0	166.5	166.0
32.5°	117.1	121.5	125.9	130.2	134.6	138.6	142.5	142.8	143.0	141.7	140.1
35°	113.6	116.5	119.3	122.2	125.0	127.5	129.9	129.6	129.2	127.9	126.5
37.5°	110.4	113.3	116.3	119.1	122.0	126.4	130.6	129.7	128.7	127.4	126.0
40°	109.9	113.1	116.3	119.3	122.5	126.5	130.6	129.7	128.9	127.2	125.5
42.5°	108.7	111.9	114.9	118.1	121.2	126.0	130.7	129.2	127.5	126.2	124.9
45°	105.7	108.6	111.4	114.3	117.1	122.3	127.5	125.7	123.8	123.3	122.7
47.5°	101.7	104.5	107.4	110.2	113.1	118.3	123.3	121.8	120.1	120.0	119.6
50°	97.3	100.0	102.8	105.5	108.2	113.4	118.5	117.1	115.8	115.9	115.9
52.5°	93.3	95.8	98.1	100.7	103.0	108.2	113.3	112.3	111.1	111.4	111.6
55°	89.4	91.4	93.4	95.4	97.5	102.5	107.5	106.0	104.5	105.0	105.5
57.5°	85.2	86.9	88.6	90.1	91.7	96.8	101.7	100.0	98.1	99.0	99.6
60°	80.5	82.0	83.5	84.9	86.4	90.9	95.3	93.8	92.1	93.3	94.3
62.5°	75.6	76.8	78.0	79.1	80.3	84.5	88.7	87.5	86.4	87.7	88.9
65°	70.6	71.4	72.4	73.3	74.1	78.1	82.0	81.2	80.3	81.5	82.7
67.5°	65.0	65.7	66.5	67.2	67.9	71.6	75.3	74.4	73.4	74.4	75.3
70°	59.0	59.7	60.2	60.8	61.3	64.7	68.1	66.9	65.5	66.5	67.4
72.5°	52.9	53.3	53.8	54.1	54.4	57.0	59.5	58.5	57.5	58.5	59.3
75°	45.7	46.0	46.4	46.7	47.1	49.2	51.3	50.1	48.7	49.7	50.7
77.5°	38.3	38.5	38.8	39.0	39.2	40.7	42.0	40.8	39.5	40.7	41.8
80°	29.7	29.9	30.1	30.1	30.2	30.8	31.3	30.4	29.4	30.9	32.4
82.5°	21.8	21.7	21.7	21.5	21.3	21.3	21.2	20.7	20.0	21.3	22.7
85°	12.6	12.4	12.1	11.9	11.6	11.1	10.6	10.4	10.3	11.4	12.6
87.5°	1.3	1.2	0.8	0.7	0.3	0.2	0.0	0.0	0.0	0.7	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366700
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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: P366700
 CATALOG NUMBER: MSA-SA1A-760-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2
2.5°	372.5	369.9	367.3	364.8	362.3	359.8	364.5	369.2	373.9	378.6	382.8
5°	393.4	392.5	390.4	388.3	386.2	384.0	385.1	386.5	387.7	388.8	391.4
7.5°	332.0	331.0	335.7	340.3	345.0	349.5	350.7	351.7	352.9	353.9	353.2
10°	301.0	309.5	311.7	313.7	315.9	317.9	321.3	324.7	327.8	331.2	333.1
12.5°	275.8	280.5	288.2	296.1	303.8	311.5	316.6	321.6	326.7	331.7	342.1
15°	244.8	248.7	254.6	260.5	266.3	272.2	279.5	286.8	294.1	301.3	312.7
17.5°	196.6	198.3	202.7	207.0	211.2	215.6	225.3	234.9	244.7	254.2	267.4
20°	165.0	163.2	163.2	163.3	163.3	163.3	173.1	182.7	192.4	202.0	219.3
22.5°	154.8	154.3	152.4	150.4	148.5	146.5	151.6	156.8	161.8	166.9	181.0
25°	151.2	149.4	147.0	144.7	142.3	140.0	143.2	146.4	149.6	152.7	163.8
27.5°	152.9	151.4	152.6	153.6	154.8	155.8	156.8	157.8	158.8	159.8	163.7
30°	165.5	165.0	166.9	168.5	170.4	172.1	169.7	167.5	165.2	162.8	164.2
32.5°	138.8	137.3	136.6	135.9	135.3	134.6	134.4	134.3	133.9	133.8	136.8
35°	125.2	123.8	122.8	121.8	120.7	119.6	120.1	120.5	121.0	121.3	124.7
37.5°	124.7	123.3	122.2	121.0	119.6	118.5	119.0	119.6	120.1	120.7	123.2
40°	123.8	122.2	121.5	120.8	120.1	119.5	119.8	120.1	120.3	120.7	122.5
42.5°	123.3	122.0	121.7	121.3	121.0	120.7	121.0	121.3	121.5	121.8	124.0
45°	122.2	121.5	121.8	122.2	122.5	122.8	122.8	122.8	122.8	122.8	125.2
47.5°	119.5	119.1	120.1	121.2	122.2	123.2	124.9	126.5	128.0	129.7	130.2
50°	116.1	116.1	117.8	119.5	121.0	122.7	126.7	130.6	134.6	138.5	135.9
52.5°	111.9	112.1	114.6	117.0	119.5	121.8	125.5	129.2	132.8	136.4	132.8
55°	105.9	106.4	109.6	112.6	115.8	118.8	121.7	124.5	127.4	130.2	126.4
57.5°	100.5	101.2	104.5	107.7	111.1	114.3	115.9	117.8	119.5	121.2	118.6
60°	95.4	96.5	100.8	105.2	109.4	113.8	112.4	111.1	109.6	108.2	108.0
62.5°	90.2	91.4	95.4	99.5	103.3	107.4	105.4	103.3	101.2	99.1	100.0
65°	83.7	84.9	86.7	88.6	90.2	92.1	91.9	91.9	91.7	91.6	93.3
67.5°	76.3	77.1	78.3	79.3	80.5	81.5	82.2	83.0	83.7	84.4	86.4
70°	68.4	69.2	70.4	71.4	72.6	73.6	74.4	75.3	76.0	76.8	78.8
72.5°	60.3	61.2	62.3	63.5	64.5	65.7	66.4	67.0	67.6	68.2	69.9
75°	51.8	52.8	53.9	54.9	56.1	57.1	57.6	58.1	58.6	59.2	60.7
77.5°	43.0	44.2	45.4	46.5	47.7	48.9	49.1	49.2	49.4	49.6	50.9
80°	33.8	35.3	36.5	37.6	38.8	40.0	40.0	40.0	40.0	40.0	40.7
82.5°	24.0	25.4	26.7	27.9	29.2	30.4	30.4	30.2	30.2	30.1	30.1
85°	13.8	15.0	15.8	16.8	17.6	18.5	18.5	18.5	18.3	18.3	18.0
87.5°	2.2	2.9	3.2	3.7	4.0	4.4	4.2	4.2	4.0	3.9	3.4
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: P366700
 CATALOG NUMBER: MSA-SA1A-760-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: P366700
 CATALOG NUMBER: MSA-SA1A-760-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2
2.5°	387.0	391.2	395.4	394.7	394.1	393.4	392.7	395.2	397.6	400.1	402.5
5°	393.7	396.2	398.6	400.4	402.3	404.1	406.0	414.6	423.0	431.5	439.9
7.5°	352.5	351.7	351.0	358.9	367.0	374.9	382.8	393.7	404.6	415.6	426.5
10°	334.9	336.8	338.6	341.8	345.2	348.3	351.5	362.3	373.0	383.8	394.6
12.5°	352.4	362.8	373.0	375.6	378.3	380.8	383.3	385.5	387.7	389.7	391.9
15°	324.1	335.6	347.0	353.6	360.1	366.5	373.0	389.5	405.8	422.3	438.6
17.5°	280.3	293.4	306.3	322.5	338.6	354.7	370.9	386.0	401.1	416.1	431.2
20°	236.6	253.7	271.0	288.7	306.2	323.8	341.3	356.1	370.9	385.5	400.3
22.5°	194.9	209.0	223.0	244.5	265.8	287.3	308.7	336.2	363.6	391.2	418.6
25°	174.8	185.9	196.8	219.0	241.1	263.2	285.3	321.1	356.7	392.5	428.2
27.5°	167.7	171.6	175.4	195.6	215.6	235.8	255.8	294.4	333.1	371.5	410.2
30°	165.5	166.9	168.2	184.0	199.8	215.6	231.4	269.5	307.8	346.0	384.1
32.5°	139.6	142.7	145.5	161.0	176.3	191.7	207.0	245.5	283.8	322.3	360.6
35°	128.0	131.4	134.8	149.9	165.0	180.0	195.1	235.6	276.3	316.8	357.3
37.5°	125.7	128.2	130.7	147.9	165.0	182.2	199.3	240.3	281.3	322.3	363.3
40°	124.5	126.4	128.2	144.9	161.7	178.3	194.9	237.9	280.8	323.8	366.7
42.5°	126.0	128.2	130.2	145.4	160.3	175.4	190.4	234.9	279.3	323.8	368.2
45°	127.4	129.7	131.9	146.0	160.1	174.3	188.4	235.9	283.3	330.9	378.3
47.5°	130.6	131.1	131.4	143.7	155.8	168.0	180.1	228.5	276.9	325.2	373.6
50°	133.3	130.7	128.0	140.8	153.4	166.2	178.8	224.7	270.5	316.3	362.1
52.5°	129.1	125.2	121.5	135.3	149.1	162.7	176.4	222.3	268.4	314.2	360.1
55°	122.7	118.8	114.9	128.9	142.8	156.8	170.7	216.4	262.3	308.0	353.7
57.5°	116.3	113.8	111.2	122.7	134.3	145.7	157.1	206.7	256.1	305.7	355.1
60°	107.9	107.5	107.4	116.3	125.4	134.3	143.2	191.7	240.1	288.7	337.1
62.5°	100.7	101.5	102.2	109.4	116.6	123.7	130.9	177.8	224.8	271.7	318.6
65°	95.1	96.8	98.5	106.7	114.9	123.0	131.2	170.6	209.9	249.2	288.5
67.5°	88.4	90.4	92.4	103.2	113.9	124.7	135.4	167.9	200.3	232.7	265.2
70°	80.7	82.7	84.5	98.3	111.9	125.7	139.3	168.0	196.9	225.7	254.4
72.5°	71.6	73.3	74.9	89.7	104.5	119.3	134.1	158.5	182.8	207.0	231.4
75°	62.3	63.9	65.4	78.1	90.9	103.7	116.5	135.3	153.9	172.7	191.4
77.5°	52.1	53.4	54.6	63.2	71.8	80.3	88.9	103.3	117.6	132.1	146.4
80°	41.3	42.0	42.7	47.7	52.6	57.6	62.5	72.1	81.7	91.1	100.7
82.5°	30.2	30.2	30.2	33.4	36.8	40.0	43.2	48.1	52.8	57.6	62.3
85°	17.6	17.1	16.8	19.0	21.2	23.4	25.5	27.6	29.6	31.6	33.6
87.5°	2.9	2.2	1.7	3.0	4.4	5.7	7.1	7.7	8.6	9.2	9.9
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):

	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: P366700

CATALOG NUMBER: MSA-SA1A-760-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2
2.5°	396.7	391.2	385.5	379.8	388.2	396.6	405.0	413.4	435.7	449.0	449.8
5°	447.0	454.0	461.1	468.2	475.2	482.3	489.2	496.2	532.5	554.9	559.1
7.5°	438.1	449.8	461.4	473.0	493.0	513.0	533.0	553.0	583.8	606.0	620.6
10°	409.0	423.5	437.9	452.4	476.1	499.9	523.6	547.3	579.9	609.1	623.1
12.5°	414.9	437.9	460.8	483.8	504.3	525.0	545.5	566.0	588.5	599.6	624.9
15°	454.5	470.5	486.5	502.4	533.4	564.1	595.0	625.8	638.6	663.9	686.8
17.5°	460.6	489.8	519.2	548.5	586.3	624.1	661.9	699.7	723.4	756.2	783.7
20°	441.8	483.1	524.6	566.0	614.7	663.6	712.3	761.1	791.1	818.7	861.4
22.5°	464.3	510.0	555.5	601.2	665.9	730.5	795.2	859.7	922.5	984.0	1012.9
25°	489.2	550.3	611.3	672.3	753.2	833.8	914.6	995.3	1076.1	1133.8	1167.0
27.5°	471.7	533.0	594.5	655.9	755.8	856.0	956.0	1056.0	1142.5	1211.9	1240.5
30°	459.4	534.7	610.0	685.3	802.6	919.9	1037.1	1154.4	1234.4	1311.9	1353.9
32.5°	457.2	553.9	650.3	746.9	883.6	1020.0	1156.6	1293.1	1346.2	1414.9	1471.5
35°	463.3	569.5	675.5	781.6	938.2	1094.8	1251.2	1407.8	1483.3	1551.3	1600.9
37.5°	481.8	600.2	718.5	837.0	1025.7	1214.6	1403.3	1592.0	1718.5	1843.1	1865.2
40°	492.2	617.9	743.4	868.9	1088.4	1307.9	1527.3	1746.8	1892.3	2028.9	2038.2
42.5°	504.5	640.7	776.8	913.1	1156.5	1399.9	1643.3	1886.6	2066.7	2213.6	2218.0
45°	518.6	658.7	799.0	939.2	1193.3	1447.2	1701.2	1955.1	2172.9	2351.4	2307.9
47.5°	524.1	674.8	825.4	976.0	1246.9	1517.6	1788.4	2059.2	2254.6	2416.9	2375.2
50°	526.3	690.6	854.8	1019.0	1299.6	1580.4	1861.0	2141.7	2340.5	2498.8	2434.9
52.5°	539.9	719.7	899.5	1079.3	1371.7	1664.1	1956.5	2248.9	2444.5	2596.6	2517.2
55°	558.2	762.7	967.1	1171.6	1474.2	1776.7	2079.3	2381.8	2578.1	2719.6	2621.3
57.5°	575.2	795.5	1015.6	1235.8	1549.3	1863.1	2176.6	2490.2	2689.0	2829.0	2733.7
60°	567.0	796.8	1026.7	1256.6	1564.8	1872.8	2181.0	2489.0	2714.7	2882.6	2833.8
62.5°	542.1	765.6	988.9	1212.4	1505.0	1797.4	2089.9	2382.3	2646.5	2861.7	2859.5
65°	494.2	699.9	905.4	1111.1	1381.8	1652.7	1923.4	2194.1	2505.5	2766.9	2783.9
67.5°	435.9	606.6	777.4	948.1	1203.0	1457.9	1712.8	1967.7	2300.6	2589.2	2603.8
70°	379.4	504.6	629.6	754.7	978.5	1202.3	1426.0	1649.8	1986.1	2277.9	2291.4
72.5°	313.2	395.1	476.7	558.6	739.9	921.2	1102.3	1283.7	1578.9	1803.4	1879.2
75°	240.0	288.5	337.1	385.7	532.4	679.0	825.6	972.3	1168.5	1334.2	1419.6
77.5°	171.6	196.8	222.0	247.2	371.9	496.6	621.1	745.8	848.9	942.9	1000.5
80°	112.6	124.3	136.3	148.0	251.7	355.4	458.9	562.6	625.4	675.9	704.9
82.5°	68.2	74.1	79.8	85.7	169.7	253.7	337.6	421.6	457.6	481.6	507.5
85°	36.8	40.0	43.2	46.4	100.3	154.1	208.0	261.8	265.3	268.2	306.7
87.5°	10.8	11.8	12.6	13.4	22.2	31.1	39.8	48.6	30.2	18.8	38.6
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



REPORT NUMBER: P366700
 CATALOG NUMBER: MSA-SA1A-760-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: P366700

CATALOG NUMBER: MSA-SA1A-760-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2
2.5°	445.0	442.8	440.6	438.2	436.1	426.8	417.7	408.5	399.3	408.2	416.9
5°	554.2	560.9	567.5	574.2	580.9	581.4	581.8	582.3	582.6	584.3	586.0
7.5°	632.8	644.8	656.5	668.5	680.4	689.6	698.9	708.3	717.5	709.1	700.7
10°	639.6	664.8	690.0	715.2	740.4	744.9	749.3	753.8	758.4	764.4	770.3
12.5°	646.3	677.0	707.6	738.4	769.1	782.6	795.8	809.3	822.6	829.1	835.5
15°	717.4	735.5	753.5	771.6	789.6	798.9	807.9	817.2	826.4	832.0	837.3
17.5°	808.8	815.5	822.1	828.8	835.5	841.7	847.9	854.1	860.4	861.4	862.4
20°	892.1	893.5	894.6	896.0	897.2	884.1	871.1	858.0	844.9	847.3	849.4
22.5°	1017.1	1009.8	1002.5	995.1	987.9	963.2	938.7	914.0	889.4	878.8	868.4
25°	1205.4	1186.5	1167.7	1148.9	1130.1	1090.7	1051.6	1012.3	973.1	950.1	927.2
27.5°	1266.0	1225.0	1184.2	1143.2	1102.2	1072.4	1042.9	1013.1	983.5	947.1	910.6
30°	1388.7	1324.0	1259.5	1194.8	1130.1	1101.3	1072.6	1043.7	1015.0	977.7	940.5
32.5°	1497.4	1430.2	1363.0	1295.6	1228.4	1173.9	1119.5	1065.0	1010.6	985.4	960.2
35°	1623.3	1538.7	1454.2	1369.7	1285.2	1238.5	1191.9	1145.2	1098.6	1060.5	1022.5
37.5°	1806.6	1716.7	1626.8	1536.7	1446.8	1383.6	1320.6	1257.4	1194.4	1173.4	1152.6
40°	1981.4	1875.2	1769.1	1662.9	1556.9	1508.5	1460.1	1411.5	1363.1	1327.7	1292.2
42.5°	2127.7	2022.7	1917.8	1812.8	1708.0	1672.7	1637.5	1602.3	1567.1	1537.9	1508.7
45°	2178.0	2092.3	2006.7	1921.0	1835.3	1822.9	1810.6	1798.2	1785.9	1764.3	1742.6
47.5°	2258.8	2171.4	2084.2	1996.8	1909.4	1914.0	1918.5	1923.2	1927.8	1928.9	1929.9
50°	2306.3	2223.3	2140.5	2057.5	1974.6	1996.7	2018.5	2040.5	2062.5	2112.4	2162.2
52.5°	2375.7	2294.2	2212.9	2131.4	2049.9	2087.2	2124.4	2161.7	2198.8	2268.7	2338.6
55°	2462.8	2384.8	2307.0	2229.0	2151.2	2187.5	2223.7	2260.0	2296.1	2373.9	2451.7
57.5°	2578.2	2494.7	2411.4	2327.9	2244.5	2277.9	2311.2	2344.7	2377.9	2451.9	2525.8
60°	2709.6	2618.9	2528.2	2437.3	2346.5	2355.8	2364.8	2374.1	2383.1	2463.3	2543.3
62.5°	2774.2	2690.2	2606.3	2522.3	2438.3	2412.5	2386.8	2361.0	2335.3	2407.0	2478.6
65°	2718.2	2660.4	2602.8	2545.0	2487.2	2441.8	2396.6	2351.2	2305.8	2350.7	2395.4
67.5°	2540.1	2507.3	2474.7	2442.0	2409.2	2333.1	2256.9	2180.7	2104.5	2107.6	2110.4
70°	2251.4	2242.7	2234.1	2225.4	2216.6	2102.2	1987.9	1873.5	1759.0	1741.6	1724.1
72.5°	1885.6	1891.3	1896.8	1902.5	1908.3	1785.3	1662.3	1539.2	1416.2	1387.2	1358.1
75°	1460.4	1492.0	1523.6	1555.4	1587.0	1469.3	1351.7	1233.9	1116.3	1080.5	1044.7
77.5°	1031.9	1090.9	1149.7	1208.7	1267.7	1161.3	1055.1	948.8	842.4	819.2	796.0
80°	719.5	748.4	777.4	806.3	835.2	781.7	728.3	674.8	621.4	627.8	634.0
82.5°	524.1	530.8	537.4	544.1	550.8	529.0	507.1	485.1	463.3	479.9	496.6
85°	335.7	359.8	383.6	407.7	431.5	407.3	383.1	358.8	334.6	345.7	356.7
87.5°	75.1	118.8	162.5	206.4	250.0	226.5	203.2	179.6	156.1	145.5	135.1
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



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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: P366700

CATALOG NUMBER: MSA-SA1A-760-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2
2.5°	425.8	434.7	432.0	429.5	426.8	424.1	429.0	433.9	438.9	443.8	442.1
5°	587.8	589.5	573.5	557.7	541.8	525.8	535.7	545.6	555.5	565.5	561.9
7.5°	692.3	683.9	674.7	665.4	656.0	646.8	644.8	642.8	640.6	638.6	635.9
10°	776.3	782.2	776.2	770.3	764.2	758.2	744.1	730.0	715.7	701.6	695.7
12.5°	842.0	848.6	850.1	851.5	853.0	854.5	838.7	823.1	807.3	791.5	777.2
15°	842.9	848.4	853.3	858.0	862.9	867.6	857.8	848.3	838.5	828.8	824.2
17.5°	863.6	864.6	860.5	856.7	852.6	848.8	844.9	841.2	837.3	833.6	826.4
20°	851.8	854.1	853.6	853.1	852.5	852.0	852.3	852.5	852.8	853.0	848.9
22.5°	857.8	847.3	849.4	851.5	853.6	855.7	861.7	867.8	874.0	880.0	896.2
25°	904.2	881.2	877.7	874.3	870.8	867.4	883.2	898.8	914.6	930.4	956.7
27.5°	874.0	837.5	829.4	821.4	813.3	805.2	829.3	853.1	877.2	901.2	927.9
30°	903.2	866.1	848.3	830.5	812.5	794.7	817.7	840.5	863.6	886.4	916.0
32.5°	935.0	909.8	897.8	886.1	874.1	862.4	864.2	866.1	867.9	869.8	911.4
35°	984.4	946.2	934.5	922.7	910.9	899.2	918.8	938.3	958.0	977.5	1012.8
37.5°	1131.6	1110.6	1089.4	1068.2	1046.9	1025.7	1037.3	1048.9	1060.5	1072.1	1105.4
40°	1256.8	1221.3	1217.8	1214.4	1210.9	1207.4	1208.4	1209.2	1210.2	1211.2	1239.6
42.5°	1479.3	1450.0	1432.0	1414.1	1396.1	1378.1	1376.9	1375.7	1374.4	1373.2	1394.6
45°	1720.7	1699.1	1685.6	1672.2	1658.6	1645.1	1623.8	1602.4	1580.9	1559.6	1578.2
47.5°	1931.1	1932.3	1956.7	1980.9	2005.2	2029.6	1993.1	1956.7	1920.2	1883.7	1859.7
50°	2212.1	2261.8	2267.7	2273.4	2279.3	2285.2	2223.3	2161.7	2099.8	2038.0	2012.8
52.5°	2408.7	2478.6	2469.5	2460.6	2451.5	2442.5	2406.7	2371.0	2335.3	2299.5	2244.5
55°	2529.7	2607.5	2600.6	2593.9	2587.0	2580.1	2554.0	2528.0	2501.9	2475.9	2415.6
57.5°	2599.7	2673.7	2675.7	2677.7	2679.7	2681.7	2674.9	2668.0	2661.1	2654.2	2575.7
60°	2623.4	2703.6	2704.4	2705.1	2705.9	2706.6	2695.7	2684.8	2673.7	2662.8	2611.5
62.5°	2550.3	2621.9	2625.1	2628.1	2631.3	2634.5	2627.0	2619.4	2611.8	2604.3	2566.3
65°	2440.3	2485.1	2486.0	2486.7	2487.5	2488.3	2469.2	2450.2	2431.0	2411.9	2402.8
67.5°	2113.4	2116.5	2134.3	2152.1	2169.9	2187.7	2189.2	2190.7	2192.4	2193.9	2180.8
70°	1706.6	1689.1	1708.5	1727.8	1747.1	1766.4	1774.7	1782.9	1791.3	1799.5	1805.6
72.5°	1328.9	1299.8	1314.1	1328.4	1342.8	1357.1	1344.8	1332.6	1320.3	1308.0	1346.8
75°	1008.9	973.1	971.3	969.6	967.7	966.1	959.8	953.6	947.2	941.0	977.3
77.5°	772.6	749.5	750.6	751.6	752.8	753.8	747.4	741.2	734.8	728.5	742.4
80°	640.4	646.6	646.8	647.0	647.1	647.3	641.2	635.4	629.3	623.3	613.2
82.5°	513.4	530.0	529.8	529.8	529.7	529.5	529.2	528.8	528.3	528.0	511.5
85°	367.8	378.9	367.5	356.1	344.6	333.2	341.6	350.0	358.6	367.0	360.1
87.5°	124.5	114.1	100.5	87.0	73.4	59.8	74.4	89.1	103.8	118.5	126.9
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: P366700
 CATALOG NUMBER: MSA-SA1A-760-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: P366700

CATALOG NUMBER: MSA-SA1A-760-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2	365.2
2.5°	440.6	438.9	437.4	426.8	416.1	405.5	394.7	414.2	433.9	453.4	472.9
5°	558.6	555.0	551.7	550.8	550.0	549.0	548.1	558.1	568.0	577.7	587.6
7.5°	633.2	630.5	627.8	620.7	613.8	606.8	599.7	605.8	611.7	617.7	623.6
10°	690.0	684.1	678.2	662.9	647.8	632.5	617.2	612.7	608.1	603.6	599.1
12.5°	762.9	748.4	734.2	716.9	699.4	682.1	664.6	662.2	659.9	657.7	655.4
15°	819.9	815.3	810.8	797.0	783.2	769.5	755.7	737.2	718.5	700.1	681.6
17.5°	819.4	812.1	805.1	823.6	841.9	860.4	878.7	859.0	839.2	819.5	799.9
20°	844.9	840.7	836.7	870.8	904.7	938.8	972.8	962.0	951.1	940.4	929.4
22.5°	912.1	928.3	944.2	973.5	1002.5	1031.8	1060.8	1073.1	1085.4	1097.6	1109.9
25°	982.7	1008.9	1035.1	1078.6	1122.0	1165.5	1209.0	1217.8	1226.5	1235.3	1244.0
27.5°	954.5	981.2	1007.9	1040.8	1073.6	1106.5	1139.3	1177.6	1216.1	1254.4	1292.7
30°	945.4	975.0	1004.4	1049.6	1094.6	1139.8	1185.0	1237.8	1290.5	1343.1	1395.9
32.5°	953.0	994.6	1036.3	1097.5	1158.5	1219.6	1280.8	1336.3	1391.9	1447.3	1502.8
35°	1047.9	1083.2	1118.3	1186.7	1255.1	1323.5	1391.9	1456.9	1521.9	1586.8	1651.8
37.5°	1138.5	1171.7	1205.0	1274.9	1344.7	1414.6	1484.5	1587.1	1690.0	1792.6	1895.3
40°	1267.9	1296.3	1324.5	1384.3	1444.1	1504.0	1563.8	1687.6	1811.5	1935.3	2059.2
42.5°	1415.7	1437.1	1458.3	1520.3	1582.3	1644.3	1706.3	1841.0	1976.0	2110.7	2245.5
45°	1596.7	1615.4	1634.0	1676.7	1719.4	1762.2	1804.9	1943.9	2082.9	2221.8	2360.8
47.5°	1835.7	1811.6	1787.6	1808.6	1829.6	1850.6	1871.6	2009.1	2146.5	2283.8	2421.3
50°	1987.6	1962.4	1937.2	1939.0	1940.7	1942.5	1944.4	2072.6	2200.8	2328.9	2457.1
52.5°	2189.6	2134.4	2079.5	2079.0	2078.5	2077.8	2077.3	2189.1	2301.0	2412.7	2524.5
55°	2355.2	2294.9	2234.6	2222.8	2211.1	2199.1	2187.4	2297.9	2408.3	2518.9	2629.3
57.5°	2497.2	2418.6	2340.1	2321.6	2303.2	2284.7	2266.2	2385.3	2504.6	2623.8	2742.9
60°	2560.4	2509.2	2458.1	2435.4	2412.7	2390.0	2367.3	2468.8	2570.3	2671.7	2773.2
62.5°	2528.5	2490.5	2452.7	2457.9	2463.1	2468.3	2473.5	2531.5	2589.7	2647.6	2705.6
65°	2393.9	2384.8	2375.9	2417.9	2459.9	2501.9	2544.0	2544.8	2545.6	2546.5	2547.3
67.5°	2167.7	2154.6	2141.5	2228.9	2316.1	2403.5	2490.9	2449.3	2407.8	2366.5	2325.0
70°	1811.5	1817.5	1823.4	1942.4	2061.2	2180.1	2299.1	2239.0	2178.6	2118.5	2058.2
72.5°	1385.7	1424.6	1463.5	1586.8	1710.1	1833.5	1956.8	1888.1	1819.2	1750.5	1681.6
75°	1013.6	1049.9	1086.2	1208.0	1329.9	1451.9	1573.7	1492.0	1410.4	1328.9	1247.2
77.5°	756.3	770.5	784.4	885.7	986.9	1088.2	1189.4	1107.4	1025.4	943.5	861.5
80°	603.3	593.2	583.3	639.4	695.5	751.6	807.8	749.6	691.3	633.2	575.0
82.5°	495.2	478.7	462.4	483.3	504.1	525.1	546.0	499.4	452.9	406.3	359.8
85°	353.2	346.3	339.4	345.5	351.4	357.4	363.5	318.1	272.7	227.5	182.2
87.5°	135.1	143.5	151.9	161.5	170.9	180.5	189.9	148.7	107.5	66.5	25.4
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°	365.2	365.2
2.5°	480.9	489.0
5°	587.5	587.3
7.5°	620.9	618.1
10°	591.7	584.3
12.5°	633.5	611.5
15°	659.7	637.7
17.5°	766.8	733.5
20°	889.9	850.3
22.5°	1049.6	989.3
25°	1171.9	1099.7
27.5°	1249.9	1206.9
30°	1346.7	1297.4
32.5°	1466.5	1430.0
35°	1618.6	1585.1
37.5°	1884.9	1874.3
40°	2046.6	2033.8
42.5°	2246.0	2246.4
45°	2368.4	2375.9
47.5°	2440.4	2459.4
50°	2497.9	2538.6
52.5°	2580.1	2635.7
55°	2703.3	2777.0
57.5°	2805.8	2868.6
60°	2805.8	2838.2
62.5°	2704.8	2703.8
65°	2531.7	2515.9
67.5°	2305.2	2285.3
70°	2027.2	1996.1
72.5°	1643.1	1604.4
75°	1194.3	1141.2
77.5°	836.3	811.0
80°	587.3	599.6
82.5°	377.2	394.7
85°	179.5	176.8
87.5°	21.2	17.0
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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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)