

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: P366699

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

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P366699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-25)
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-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2948 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

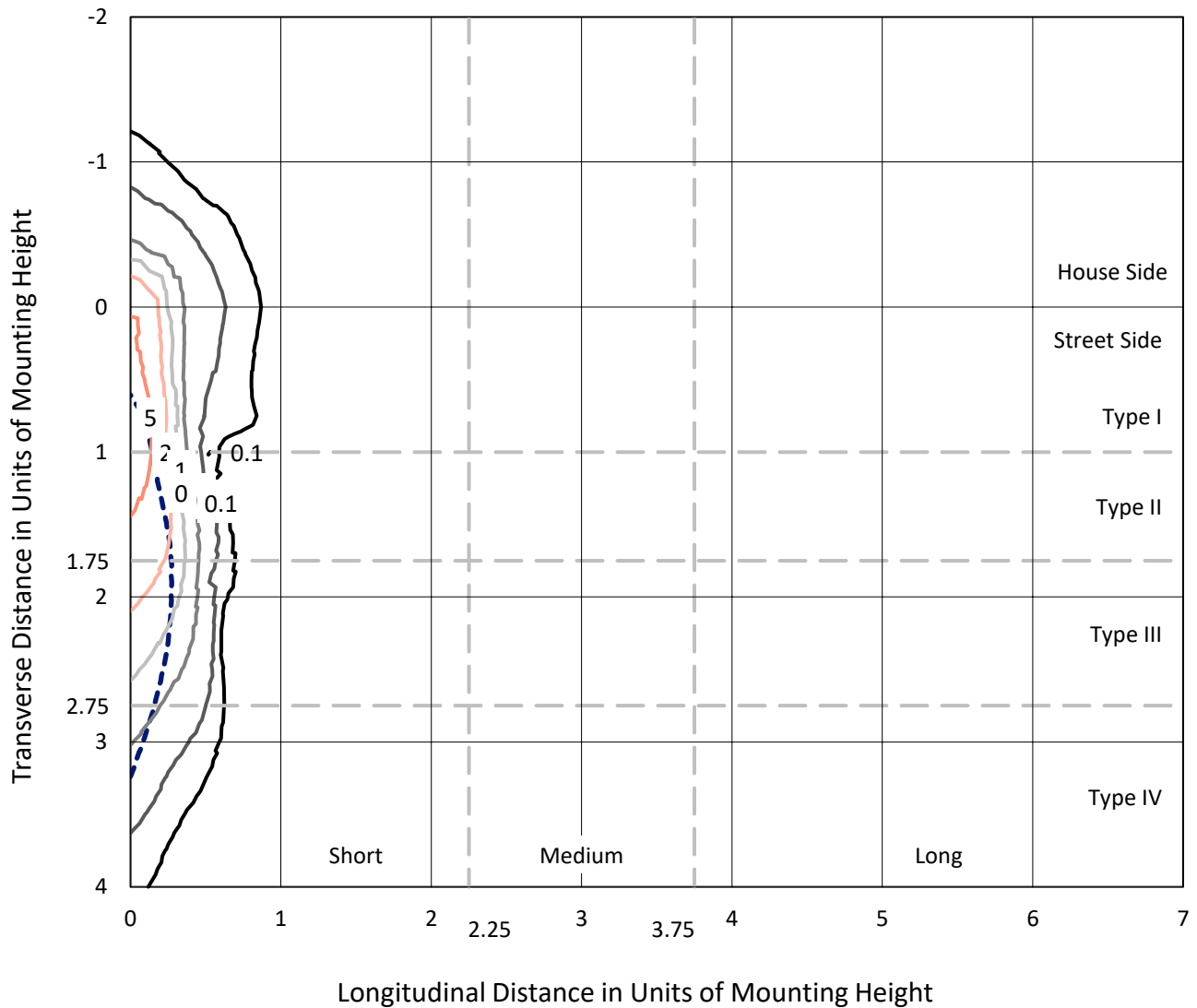
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

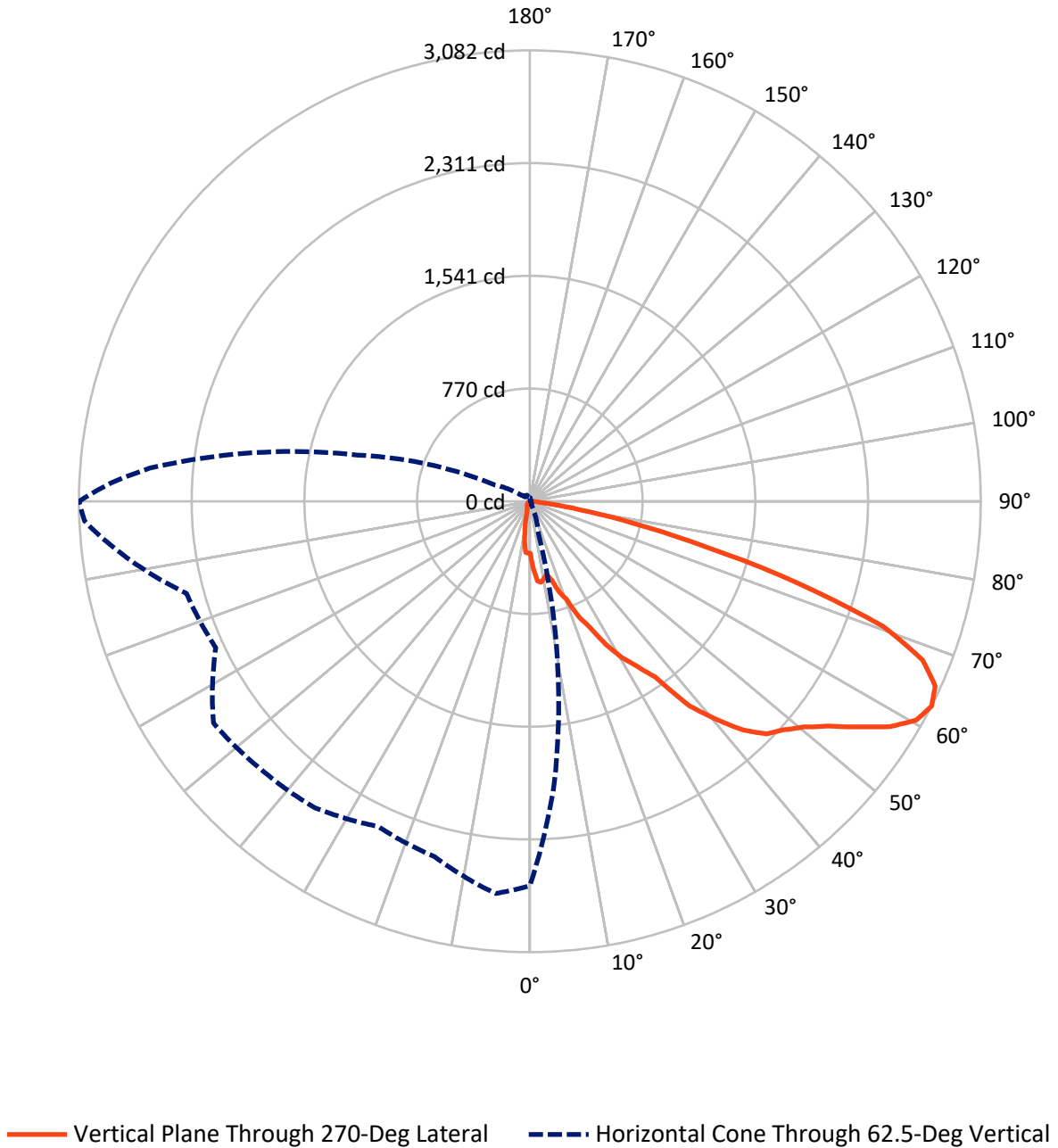
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 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	492.3	0.0	492.3
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	2455.7	0.0	2455.7
	% Fixture	83.3	0.0	83.3
Total	Lumens	2948.0	0.0	2948.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.7	1.3
10°-20°	103.7	3.5
20°-30°	167.6	5.7
30°-40°	280.7	9.5
40°-50°	458.8	15.6
50°-60°	679.2	23.0
60°-70°	779.8	26.5
70°-80°	385.6	13.1
80°-90°	53.0	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2948.0	100.0
0°-180°	2948.0	100.0

Coefficient of Utilization

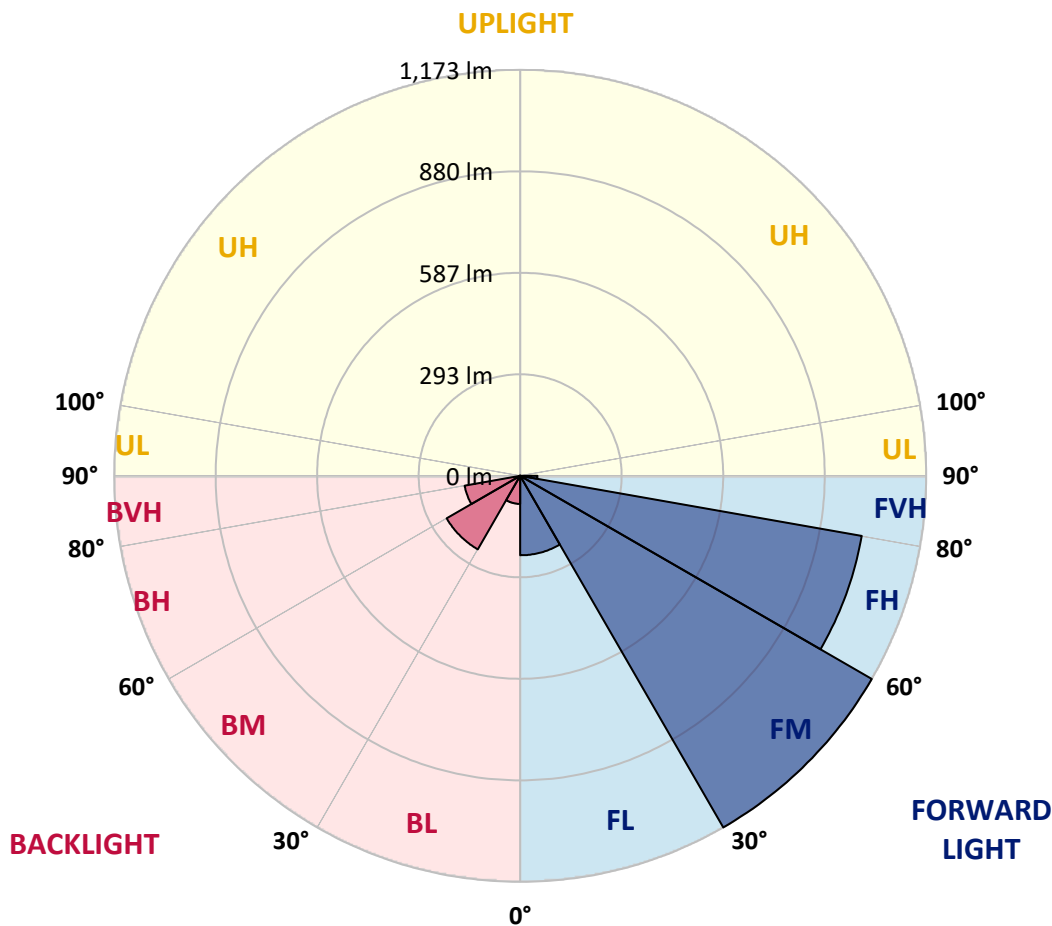


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	229.7	7.8			
FM (30°-60°)	1173.5	39.8			
FH (60°-80°)	1002.5	34.0			G1/1800
FVH (80°-90°)	50.1	1.7			G1/100
BL (0°-30°)	81.3	2.8	B0/110		
BM (30°-60°)	245.3	8.3	B1/1000		
BH (60°-80°)	162.9	5.5	B1/500		G1/500
BVH (80°-90°)	2.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2
2.5°	471.0	476.9	482.6	471.7	460.8	449.9	438.9	429.2	419.4	409.5	399.8
5°	606.1	595.4	584.6	569.8	555.1	540.3	525.5	518.6	511.7	504.8	497.9
7.5°	653.2	634.0	614.7	601.6	588.7	575.6	562.4	541.8	520.9	500.3	479.4
10°	616.2	595.9	575.4	564.0	552.5	541.1	529.7	504.0	478.1	452.4	426.5
12.5°	633.2	611.2	589.2	565.6	542.1	518.6	495.1	475.4	455.6	435.9	416.1
15°	645.0	619.8	594.4	567.5	540.6	513.7	486.8	463.6	440.6	417.4	394.2
17.5°	714.0	677.9	641.8	600.4	559.1	517.7	476.4	449.5	422.8	395.9	369.0
20°	802.8	751.5	700.1	644.1	588.2	532.2	476.2	442.8	409.4	375.9	342.5
22.5°	905.9	841.9	777.7	708.6	639.7	570.7	501.6	453.6	405.5	357.4	309.4
25°	1009.8	952.0	894.2	801.2	708.3	615.2	522.3	461.3	400.1	339.1	277.9
27.5°	1197.3	1094.0	990.6	872.3	754.2	635.9	517.6	447.7	377.8	307.7	237.8
30°	1320.0	1240.5	1160.9	1004.6	848.5	692.2	535.9	447.3	358.8	270.0	181.5
32.5°	1466.7	1350.4	1234.0	1064.4	894.8	725.3	555.7	451.7	347.5	243.5	139.3
35°	1631.6	1505.0	1378.5	1163.7	949.0	734.0	519.3	418.4	317.6	216.8	116.0
37.5°	1922.8	1711.0	1499.3	1248.9	998.4	748.0	497.4	396.8	295.9	195.3	94.4
40°	2088.1	1886.0	1683.8	1370.9	1058.0	745.1	432.2	342.8	253.6	164.2	74.8
42.5°	2303.2	2046.8	1790.2	1440.5	1090.8	741.1	391.4	308.7	226.0	143.2	60.5
45°	2430.8	2140.2	1849.7	1470.7	1091.8	712.8	333.9	262.3	190.7	119.1	47.6
47.5°	2511.3	2219.9	1928.5	1521.7	1115.0	708.1	301.3	235.4	169.6	103.7	37.8
50°	2552.1	2259.9	1967.5	1549.4	1131.3	713.0	294.9	229.4	163.7	98.1	32.4
52.5°	2594.6	2312.8	2030.8	1597.4	1164.0	730.7	297.3	230.4	163.7	96.8	29.9
55°	2680.5	2402.5	2124.4	1666.3	1208.2	750.2	292.1	226.2	160.3	94.3	28.4
57.5°	2786.0	2488.9	2191.6	1716.8	1241.9	767.0	292.1	225.9	159.6	93.3	27.1
60°	2766.0	2443.5	2120.9	1660.1	1199.3	738.4	277.6	214.6	151.7	88.7	25.7
62.5°	2628.7	2278.7	1928.5	1502.7	1076.7	650.8	224.8	174.6	124.4	73.9	23.7
65°	2467.4	2095.9	1724.1	1332.3	940.2	548.3	156.3	122.7	88.9	55.3	21.5
67.5°	2273.1	1876.9	1480.6	1132.1	783.8	435.2	86.7	69.9	53.1	36.1	19.3
70°	1936.1	1527.0	1117.8	850.0	582.3	314.4	46.5	39.3	32.1	24.9	17.6
72.5°	1453.4	1078.7	703.9	534.7	365.7	196.4	27.2	24.5	21.7	19.0	16.1
75°	988.9	708.1	427.3	325.3	223.5	121.5	19.5	18.1	16.6	15.3	13.8
77.5°	672.3	486.3	300.3	229.2	158.1	87.0	16.0	15.1	14.3	13.3	12.4
80°	419.8	287.4	154.9	119.3	83.5	47.9	12.1	11.6	11.1	10.4	9.9
82.5°	293.6	175.6	57.6	45.0	32.4	19.7	7.1	7.2	7.4	7.4	7.6
85°	123.2	66.5	9.9	8.4	6.9	5.4	3.9	4.2	4.7	5.0	5.4
87.5°	2.2	1.2	0.0	0.3	0.8	1.2	1.5	2.0	2.4	2.9	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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°	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2
2.5°	402.3	404.8	407.2	409.7	407.7	405.8	403.8	401.8	398.8	395.9	392.9
5°	489.5	481.1	472.7	464.3	451.5	438.8	425.8	413.1	411.5	410.0	408.4
7.5°	459.8	440.1	420.3	400.6	382.1	363.7	345.2	326.7	321.0	315.4	309.7
10°	411.4	396.3	381.0	365.8	352.6	339.1	325.8	312.4	298.4	284.5	270.4
12.5°	400.3	384.5	368.5	352.7	340.6	328.5	316.4	304.3	288.7	273.1	257.4
15°	377.1	360.0	342.8	325.7	309.5	293.4	277.1	261.0	242.2	223.3	204.5
17.5°	348.7	328.5	308.2	287.9	266.7	245.5	224.3	203.2	181.5	160.0	138.3
20°	314.9	287.4	259.6	232.1	205.9	179.6	153.3	127.0	113.4	100.0	86.4
22.5°	273.7	238.0	202.3	166.5	145.0	123.3	101.8	80.2	74.3	68.4	62.5
25°	237.4	196.9	156.5	116.0	102.3	88.7	75.1	61.5	58.8	56.0	53.3
27.5°	199.6	161.7	123.5	85.4	77.6	69.7	62.0	54.1	52.3	50.6	48.7
30°	153.1	124.7	96.1	67.7	62.7	57.6	52.4	47.4	46.5	45.5	44.7
32.5°	118.6	97.8	77.1	56.3	53.4	50.6	47.7	44.9	43.5	42.2	40.7
35°	99.1	82.5	65.7	48.9	46.9	44.7	42.7	40.5	39.2	37.6	36.3
37.5°	82.2	70.1	57.8	45.5	43.4	41.2	38.8	36.6	35.6	34.6	33.6
40°	67.7	60.7	53.6	46.5	43.4	40.2	37.0	33.8	32.9	32.1	31.3
42.5°	56.0	51.4	46.7	42.2	39.8	37.6	35.3	32.9	31.8	30.4	29.2
45°	45.2	42.7	40.3	37.8	38.0	38.1	38.1	38.3	35.3	32.1	29.1
47.5°	36.6	35.5	34.1	32.9	34.3	35.6	36.8	38.1	35.0	31.8	28.4
50°	31.4	30.6	29.6	28.6	29.9	31.4	32.8	34.1	32.8	31.6	30.2
52.5°	28.7	27.6	26.4	25.2	25.7	26.4	26.9	27.4	27.4	27.4	27.4
55°	27.1	25.9	24.5	23.2	22.7	22.0	21.5	20.8	20.0	19.3	18.5
57.5°	25.7	24.4	22.9	21.5	20.7	19.7	18.8	17.8	17.0	16.0	15.1
60°	24.4	23.0	21.5	20.2	19.3	18.5	17.5	16.6	15.6	14.8	13.8
62.5°	22.5	21.3	20.2	19.0	18.1	17.5	16.6	15.8	14.8	13.8	12.6
65°	20.5	19.7	18.7	17.6	16.8	16.0	15.1	14.3	13.3	12.4	11.4
67.5°	18.7	17.8	17.1	16.3	15.3	14.5	13.4	12.4	11.8	11.1	10.3
70°	17.1	16.5	16.0	15.3	14.3	13.4	12.4	11.4	10.9	10.3	9.7
72.5°	15.6	15.1	14.5	13.9	13.1	12.3	11.4	10.6	10.1	9.6	9.1
75°	13.4	13.1	12.8	12.4	11.6	10.8	9.7	8.9	8.7	8.6	8.4
77.5°	12.1	11.9	11.6	11.3	10.4	9.6	8.7	7.9	8.1	8.2	8.2
80°	9.9	9.9	9.7	9.7	9.1	8.4	7.6	6.9	7.2	7.7	8.1
82.5°	7.6	7.6	7.6	7.6	6.9	6.2	5.5	4.9	5.4	5.7	6.2
85°	5.2	5.0	4.9	4.7	4.2	3.9	3.4	2.9	3.5	4.0	4.7
87.5°	3.2	3.4	3.4	3.4	3.0	2.5	2.2	1.7	2.0	2.2	2.5
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):

	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: P366699
 CATALOG NUMBER: MSA-SA1A-760-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2
2.5°	389.9	384.8	379.8	374.6	369.5	357.8	346.0	334.2	322.5	331.2	339.8
5°	406.8	397.1	387.2	377.4	367.5	363.1	358.9	354.6	350.2	350.9	351.7
7.5°	304.0	297.6	291.2	284.7	278.3	276.9	275.8	274.4	273.1	275.9	278.6
10°	256.4	247.5	238.5	229.5	220.5	215.6	210.7	205.9	201.0	200.5	199.8
12.5°	241.8	228.2	214.8	201.2	187.5	177.0	166.4	155.8	145.2	146.0	146.9
15°	185.7	172.1	158.6	145.0	131.4	122.8	114.1	105.5	96.8	94.3	91.8
17.5°	116.6	106.5	96.5	86.2	76.1	73.3	70.6	67.7	64.9	64.0	63.2
20°	72.8	68.4	64.0	59.5	55.1	54.4	53.8	53.1	52.4	52.9	53.4
22.5°	56.6	54.8	52.8	50.9	48.9	48.2	47.6	46.9	46.2	46.7	47.1
25°	50.4	49.1	47.7	46.4	45.0	44.4	43.5	42.9	42.0	42.3	42.9
27.5°	46.9	45.7	44.5	43.4	42.2	41.0	40.0	38.8	37.6	38.3	38.8
30°	43.7	42.3	41.2	39.8	38.5	37.3	36.1	34.8	33.6	34.3	35.0
32.5°	39.3	38.1	36.8	35.6	34.3	33.6	32.9	32.1	31.4	31.9	32.3
35°	34.8	33.8	32.9	31.9	30.9	30.2	29.7	29.1	28.4	28.6	28.9
37.5°	32.6	31.4	30.2	29.1	27.9	27.6	27.2	26.7	26.4	26.4	26.4
40°	30.4	29.2	28.1	26.7	25.5	25.0	24.5	24.0	23.5	23.5	23.5
42.5°	27.9	26.7	25.5	24.4	23.2	22.7	22.0	21.5	20.8	20.8	20.8
45°	25.9	24.7	23.7	22.5	21.3	20.5	19.7	18.7	17.8	17.6	17.5
47.5°	25.2	23.5	21.8	20.2	18.5	17.6	16.8	15.8	15.0	14.8	14.6
50°	28.9	25.5	22.2	18.8	15.5	14.8	14.1	13.4	12.8	12.4	12.3
52.5°	27.4	23.9	20.3	16.8	13.3	12.8	12.3	11.8	11.3	10.9	10.6
55°	17.6	16.1	14.8	13.3	11.8	11.4	11.1	10.6	10.3	9.9	9.6
57.5°	14.1	13.3	12.6	11.8	10.9	10.6	10.3	9.7	9.4	8.9	8.6
60°	12.8	12.1	11.4	10.8	10.1	9.7	9.4	9.1	8.7	8.2	7.9
62.5°	11.6	11.1	10.6	10.1	9.6	9.2	8.9	8.6	8.2	7.7	7.2
65°	10.4	10.1	9.7	9.4	9.1	8.7	8.4	7.9	7.6	7.1	6.6
67.5°	9.6	9.4	9.2	9.1	8.9	8.6	8.1	7.7	7.2	6.7	6.0
70°	9.1	9.1	9.1	8.9	8.9	8.6	8.1	7.7	7.2	6.6	6.0
72.5°	8.6	8.7	8.9	8.9	9.1	8.6	8.1	7.6	7.1	6.4	5.9
75°	8.2	8.4	8.6	8.6	8.7	8.4	8.1	7.6	7.2	6.6	5.9
77.5°	8.4	8.6	8.6	8.7	8.7	8.4	8.1	7.6	7.2	6.4	5.5
80°	8.4	8.2	8.1	7.7	7.6	6.9	6.2	5.4	4.7	3.7	2.9
82.5°	6.6	6.2	6.0	5.7	5.4	4.7	4.0	3.4	2.7	2.0	1.3
85°	5.2	4.9	4.7	4.4	4.0	3.5	2.9	2.4	1.7	1.3	0.8
87.5°	2.7	2.5	2.2	2.0	1.7	1.3	0.8	0.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366699
 CATALOG NUMBER: MSA-SA1A-760-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366699
 CATALOG NUMBER: MSA-SA1A-760-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2
2.5°	348.5	357.1	355.9	354.7	360.3	365.8	361.8	357.9	353.9	349.9	341.5
5°	352.4	353.1	351.9	350.5	350.7	350.9	348.2	345.5	342.8	340.1	339.6
7.5°	281.5	284.2	287.9	291.4	291.6	291.6	289.5	287.5	285.3	283.3	284.3
10°	199.3	198.6	199.6	200.6	200.5	200.1	205.5	210.9	216.1	221.5	217.6
12.5°	147.5	148.4	144.2	140.0	141.5	142.8	143.7	144.5	145.4	146.2	148.6
15°	89.2	86.7	83.7	80.7	82.2	83.5	85.0	86.4	87.9	89.2	90.7
17.5°	62.2	61.3	60.0	58.5	58.6	58.8	59.0	59.2	59.2	59.3	59.7
20°	53.9	54.4	53.4	52.3	51.9	51.4	51.1	50.7	50.2	49.9	49.4
22.5°	47.6	47.9	48.1	48.1	47.4	46.5	45.9	45.4	44.7	44.0	43.7
25°	43.2	43.5	43.2	42.7	42.3	42.0	41.7	41.2	40.8	40.3	40.2
27.5°	39.5	40.0	40.0	39.8	39.5	39.0	38.1	37.5	36.6	35.8	36.0
30°	35.6	36.3	36.3	36.1	36.0	35.8	35.0	34.1	33.3	32.4	32.8
32.5°	32.8	33.1	32.9	32.8	32.8	32.6	31.9	31.4	30.8	30.1	30.1
35°	29.1	29.2	29.2	29.2	29.2	29.1	28.6	28.1	27.6	27.1	27.2
37.5°	26.4	26.4	26.9	27.2	26.9	26.6	26.2	25.7	25.4	24.9	24.9
40°	23.4	23.4	23.9	24.2	23.9	23.5	23.4	23.0	22.9	22.5	22.5
42.5°	20.7	20.7	21.2	21.5	21.5	21.3	21.0	20.7	20.3	20.0	20.2
45°	17.3	17.1	18.0	18.7	18.3	18.0	18.0	17.8	17.8	17.6	17.8
47.5°	14.3	14.1	14.8	15.5	15.3	15.0	15.0	15.0	15.0	15.0	15.1
50°	11.9	11.6	12.3	12.8	12.6	12.3	12.3	12.4	12.4	12.4	12.6
52.5°	10.3	9.9	10.4	10.8	10.6	10.4	10.4	10.6	10.6	10.6	10.8
55°	9.1	8.7	9.2	9.6	9.4	9.1	9.2	9.2	9.4	9.4	9.4
57.5°	8.1	7.6	7.9	8.2	8.2	8.1	8.2	8.2	8.4	8.4	8.4
60°	7.4	6.9	7.2	7.4	7.4	7.2	7.4	7.4	7.6	7.6	7.6
62.5°	6.6	6.0	6.4	6.6	6.6	6.4	6.6	6.6	6.7	6.7	6.7
65°	5.9	5.4	5.5	5.7	5.7	5.7	5.9	5.9	6.0	6.0	6.0
67.5°	5.5	4.9	5.0	5.2	5.2	5.2	5.4	5.4	5.5	5.5	5.7
70°	5.4	4.7	4.9	4.9	5.0	5.0	5.0	5.2	5.2	5.2	5.2
72.5°	5.2	4.5	4.5	4.5	4.7	4.7	4.7	4.9	4.9	4.9	4.9
75°	5.2	4.5	4.4	4.2	4.4	4.4	4.4	4.5	4.5	4.5	4.5
77.5°	4.5	3.7	3.4	2.9	3.4	3.7	3.9	3.9	4.0	4.0	4.0
80°	1.8	0.8	0.5	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2
82.5°	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366699
 CATALOG NUMBER: MSA-SA1A-760-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366699
 CATALOG NUMBER: MSA-SA1A-760-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2
2.5°	333.1	324.7	316.3	320.3	324.3	328.4	332.4	332.1	331.6	331.2	330.7
5°	339.3	338.8	338.3	335.9	333.7	331.4	329.0	328.5	327.9	327.4	326.7
7.5°	285.3	286.2	287.2	284.5	281.8	279.1	276.4	269.5	262.7	255.6	248.7
10°	213.8	209.7	205.9	205.5	205.2	204.8	204.5	203.8	203.2	202.3	201.7
12.5°	151.1	153.4	155.8	154.9	154.1	153.1	152.2	153.4	154.8	155.9	157.1
15°	92.1	93.6	94.9	98.0	101.0	104.0	107.0	108.2	109.6	110.7	111.9
17.5°	60.0	60.2	60.5	63.9	67.1	70.4	73.6	75.8	78.0	80.0	82.2
20°	48.9	48.4	47.9	49.7	51.6	53.4	55.3	57.3	59.3	61.3	63.4
22.5°	43.5	43.2	42.9	43.5	44.2	44.7	45.4	46.9	48.6	50.1	51.6
25°	40.0	39.7	39.5	39.8	40.2	40.5	40.8	41.7	42.5	43.4	44.2
27.5°	36.0	36.1	36.1	36.5	36.6	37.0	37.1	37.5	38.0	38.3	38.7
30°	32.9	33.3	33.4	33.8	33.9	34.3	34.4	34.3	34.1	33.9	33.8
32.5°	30.1	29.9	29.9	30.2	30.4	30.8	30.9	31.3	31.6	31.8	32.1
35°	27.2	27.4	27.4	27.4	27.6	27.6	27.6	27.9	28.4	28.7	29.1
37.5°	24.7	24.7	24.5	25.0	25.4	25.9	26.2	26.6	27.1	27.4	27.7
40°	22.5	22.5	22.5	22.9	23.2	23.4	23.7	24.5	25.4	26.2	27.1
42.5°	20.2	20.3	20.3	20.7	21.0	21.2	21.5	22.2	22.7	23.4	23.9
45°	18.0	18.1	18.3	18.7	18.8	19.2	19.3	19.7	19.8	20.2	20.3
47.5°	15.5	15.6	15.8	16.1	16.3	16.6	16.8	16.6	16.6	16.5	16.3
50°	12.9	13.1	13.3	13.8	14.1	14.6	15.0	14.6	14.3	13.8	13.4
52.5°	10.9	10.9	11.1	11.4	11.8	11.9	12.3	12.1	11.9	11.8	11.6
55°	9.4	9.4	9.4	9.6	9.7	9.9	10.1	10.3	10.3	10.4	10.4
57.5°	8.4	8.2	8.2	8.4	8.6	8.6	8.7	8.9	8.9	9.1	9.1
60°	7.6	7.4	7.4	7.6	7.7	7.9	8.1	8.1	8.1	7.9	7.9
62.5°	6.7	6.7	6.7	6.9	6.9	7.1	7.1	7.1	7.2	7.2	7.2
65°	6.2	6.2	6.2	6.2	6.2	6.0	6.0	6.2	6.2	6.4	6.4
67.5°	5.7	5.9	5.9	5.7	5.5	5.4	5.2	5.4	5.4	5.5	5.5
70°	5.2	5.2	5.2	5.0	4.9	4.7	4.5	4.5	4.5	4.4	4.4
72.5°	4.9	4.7	4.7	4.5	4.2	4.0	3.7	3.5	3.5	3.4	3.2
75°	4.5	4.4	4.4	4.0	3.7	3.4	3.0	2.9	2.5	2.4	2.0
77.5°	4.0	4.0	4.0	3.5	3.2	2.7	2.2	1.8	1.5	1.0	0.7
80°	1.3	1.5	1.7	1.5	1.5	1.3	1.2	0.8	0.7	0.3	0.0
82.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366699
 CATALOG NUMBER: MSA-SA1A-760-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366699
 CATALOG NUMBER: MSA-SA1A-760-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2
2.5°	332.6	334.4	336.3	338.1	338.3	338.4	338.6	338.8	334.6	330.2	326.0
5°	330.0	333.6	336.9	340.3	338.4	336.6	334.7	332.9	332.7	332.7	332.6
7.5°	249.2	249.5	250.1	250.4	251.1	251.7	252.2	252.9	255.6	258.3	260.8
10°	199.5	197.3	194.9	192.7	191.1	189.2	187.5	185.7	187.0	188.5	189.9
12.5°	155.3	153.4	151.4	149.6	148.9	148.2	147.4	146.7	151.1	155.4	159.6
15°	111.6	111.2	110.7	110.4	112.6	114.8	117.0	119.1	122.8	126.4	130.1
17.5°	83.0	83.9	84.7	85.5	86.9	88.2	89.4	90.7	93.4	96.3	99.0
20°	64.4	65.5	66.5	67.6	67.2	66.9	66.4	66.0	68.2	70.4	72.4
22.5°	52.6	53.4	54.4	55.3	55.5	55.6	55.8	56.0	57.3	58.5	59.8
25°	45.0	46.0	46.9	47.7	47.9	48.1	48.2	48.4	50.1	51.8	53.3
27.5°	39.8	40.8	42.0	43.0	43.4	43.7	44.0	44.4	45.4	46.2	47.2
30°	35.1	36.5	37.8	39.2	39.7	40.2	40.7	41.2	42.2	43.4	44.4
32.5°	32.8	33.6	34.3	35.0	36.1	37.1	38.3	39.3	40.5	41.8	43.0
35°	30.1	30.9	31.9	32.8	33.6	34.4	35.1	36.0	36.6	37.3	37.8
37.5°	28.4	29.2	29.9	30.6	30.9	31.3	31.4	31.8	32.1	32.4	32.6
40°	27.1	26.9	26.9	26.7	27.1	27.6	27.9	28.2	29.2	30.1	31.1
42.5°	23.5	23.0	22.7	22.2	23.0	23.7	24.5	25.2	26.6	27.9	29.2
45°	20.0	19.7	19.2	18.8	20.0	21.2	22.4	23.5	25.0	26.4	27.9
47.5°	16.5	16.6	16.6	16.8	18.0	19.2	20.2	21.3	22.9	24.4	25.9
50°	13.8	14.1	14.5	14.8	16.0	17.0	18.1	19.2	20.8	22.4	24.0
52.5°	12.1	12.6	12.9	13.4	14.5	15.6	16.6	17.6	19.2	20.7	22.2
55°	10.9	11.6	12.1	12.6	13.4	14.3	15.1	16.0	17.5	19.0	20.3
57.5°	9.6	10.1	10.6	11.1	11.9	12.8	13.4	14.3	15.6	17.1	18.5
60°	8.4	8.7	9.2	9.6	10.3	11.1	11.8	12.4	13.8	15.1	16.3
62.5°	7.4	7.7	7.9	8.1	8.7	9.4	10.1	10.8	11.9	13.3	14.5
65°	6.6	6.7	6.7	6.9	7.4	8.1	8.6	9.1	10.4	11.6	12.9
67.5°	5.5	5.7	5.7	5.7	6.2	6.7	7.2	7.7	8.9	10.3	11.4
70°	4.4	4.5	4.5	4.5	5.0	5.7	6.2	6.7	7.7	8.7	9.7
72.5°	3.4	3.4	3.5	3.5	4.0	4.7	5.2	5.7	6.6	7.4	8.2
75°	2.2	2.4	2.4	2.5	3.0	3.7	4.2	4.7	5.5	6.4	7.1
77.5°	0.8	1.2	1.3	1.5	2.0	2.5	3.0	3.5	4.2	5.0	5.7
80°	0.0	0.2	0.2	0.2	0.5	0.7	1.0	1.2	1.7	2.4	2.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366699
 CATALOG NUMBER: MSA-SA1A-760-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366699
 CATALOG NUMBER: MSA-SA1A-760-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2
2.5°	321.6	330.9	340.1	349.4	358.6	370.0	381.5	383.1	384.8	382.8	381.0
5°	332.4	336.9	341.3	345.8	350.2	363.3	376.3	376.4	376.4	376.6	376.6
7.5°	263.5	267.4	271.2	274.9	278.8	287.4	295.9	299.1	302.1	301.5	300.8
10°	191.2	196.3	201.2	206.2	211.1	219.0	226.9	229.9	232.7	242.0	251.4
12.5°	164.0	168.9	173.8	178.5	183.3	191.4	199.5	205.4	211.1	216.8	222.5
15°	133.6	137.5	141.5	145.4	149.2	152.9	156.6	163.8	170.9	176.6	182.3
17.5°	101.7	103.3	104.9	106.5	108.1	109.7	111.4	114.4	117.3	122.3	127.2
20°	74.6	76.0	77.3	78.5	79.8	81.5	83.2	85.4	87.4	88.6	89.6
22.5°	61.0	63.0	65.0	66.9	68.9	70.1	71.3	71.9	72.6	73.1	73.6
25°	55.0	56.8	58.5	60.3	62.0	62.5	63.0	64.4	65.7	65.7	65.7
27.5°	48.1	50.6	53.3	55.8	58.3	59.0	59.5	60.0	60.3	59.7	58.8
30°	45.4	47.9	50.4	52.8	55.3	56.3	57.1	57.6	58.1	57.3	56.5
32.5°	44.2	46.5	48.7	51.1	53.3	54.6	55.8	57.1	58.3	58.5	58.8
35°	38.5	40.0	41.7	43.2	44.7	45.4	46.0	46.5	46.9	46.9	46.9
37.5°	32.9	35.0	37.1	39.2	41.2	42.7	44.2	44.4	44.4	44.7	45.2
40°	31.9	33.9	36.0	37.8	39.8	41.5	43.0	43.2	43.4	43.7	44.0
42.5°	30.6	32.8	35.0	37.1	39.3	41.0	42.5	42.5	42.3	42.9	43.2
45°	29.2	31.4	33.4	35.6	37.6	39.8	41.8	41.3	40.7	41.5	42.2
47.5°	27.4	29.7	32.1	34.3	36.6	38.7	40.5	40.2	39.7	40.5	41.3
50°	25.5	27.9	30.2	32.6	35.0	37.1	39.2	38.8	38.5	39.5	40.3
52.5°	23.7	26.0	28.6	30.9	33.3	35.1	36.8	36.6	36.5	37.5	38.7
55°	21.8	24.0	26.4	28.6	30.8	32.8	34.6	34.3	33.9	34.8	35.6
57.5°	19.8	22.0	24.0	26.2	28.2	29.9	31.4	30.9	30.4	31.4	32.4
60°	17.6	19.7	21.7	23.5	25.5	26.9	28.1	27.7	27.2	28.2	29.2
62.5°	15.6	17.5	19.3	21.0	22.9	23.9	24.9	24.5	24.2	25.2	26.4
65°	14.1	15.6	17.0	18.5	19.8	20.8	21.8	21.3	20.8	22.0	23.0
67.5°	12.6	13.8	15.1	16.3	17.5	18.3	19.2	18.8	18.3	19.2	20.0
70°	10.8	11.9	13.1	14.1	15.3	16.1	17.0	16.5	15.8	16.6	17.5
72.5°	9.1	10.1	11.1	11.9	12.9	13.6	14.3	13.8	13.3	13.9	14.6
75°	7.9	8.7	9.6	10.3	11.1	11.4	11.8	11.6	11.3	11.9	12.4
77.5°	6.4	7.1	7.9	8.6	9.2	9.2	9.2	9.4	9.4	10.1	10.9
80°	3.4	4.0	4.7	5.2	5.9	5.9	5.7	6.0	6.2	7.1	7.9
82.5°	0.0	0.5	1.0	1.5	2.0	1.8	1.5	1.7	1.7	2.0	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366699
 CATALOG NUMBER: MSA-SA1A-760-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366699
 CATALOG NUMBER: MSA-SA1A-760-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2
2.5°	378.9	376.9	375.6	374.4	373.1	371.7	373.4	375.1	376.6	378.3	383.3
5°	376.8	376.8	375.6	374.4	373.2	372.1	374.6	376.9	379.4	381.8	381.6
7.5°	300.0	299.3	306.3	313.2	320.3	327.2	329.0	330.9	332.6	334.4	333.9
10°	260.6	269.9	272.9	275.9	279.0	282.0	285.7	289.4	293.1	296.8	298.1
12.5°	228.2	233.9	243.7	253.2	263.0	272.6	277.4	282.5	287.4	292.2	301.8
15°	188.0	193.8	202.2	210.6	219.0	227.4	235.1	243.0	250.7	258.5	270.0
17.5°	132.3	137.1	143.5	149.9	156.1	162.5	174.4	186.4	198.3	210.2	222.5
20°	90.7	91.8	94.8	98.0	101.0	104.0	114.8	125.7	136.5	147.2	163.3
22.5°	73.9	74.4	76.0	77.5	78.8	80.3	85.9	91.6	97.1	102.7	115.8
25°	65.5	65.5	66.5	67.6	68.6	69.6	72.6	75.6	78.5	81.5	89.9
27.5°	58.1	57.3	58.8	60.3	61.8	63.4	65.5	67.9	70.1	72.3	78.0
30°	55.6	54.8	56.6	58.5	60.3	62.2	64.4	66.5	68.6	70.7	74.6
32.5°	59.0	59.2	59.8	60.5	61.0	61.7	62.7	63.9	64.9	65.9	69.2
35°	46.9	46.9	48.1	49.2	50.2	51.4	53.3	55.1	57.0	58.8	62.3
37.5°	45.5	45.9	46.9	48.1	49.1	50.1	52.4	55.0	57.3	59.7	62.5
40°	44.2	44.5	45.9	47.2	48.6	49.9	52.3	54.4	56.8	59.0	61.7
42.5°	43.7	44.0	45.7	47.6	49.2	50.9	52.9	55.0	56.8	58.8	62.5
45°	43.0	43.7	45.7	47.9	49.9	51.9	53.8	55.6	57.5	59.3	63.9
47.5°	42.0	42.9	45.2	47.4	49.7	51.9	55.5	59.2	62.7	66.2	68.4
50°	41.3	42.2	44.7	47.2	49.7	52.3	58.0	63.7	69.2	74.9	73.8
52.5°	39.7	40.7	43.9	47.1	50.2	53.4	58.5	63.5	68.6	73.6	71.3
55°	36.5	37.3	41.0	44.7	48.2	51.9	55.6	59.3	62.8	66.5	63.9
57.5°	33.3	34.3	37.8	41.3	44.7	48.2	50.1	51.9	53.8	55.6	54.6
60°	30.2	31.3	36.0	40.7	45.4	50.1	48.4	46.7	44.9	43.2	44.4
62.5°	27.4	28.4	32.9	37.3	41.8	46.2	43.9	41.5	39.2	36.8	38.7
65°	24.2	25.2	26.9	28.7	30.4	32.1	31.9	31.6	31.4	31.1	33.1
67.5°	20.8	21.7	22.5	23.5	24.4	25.2	25.7	26.4	26.9	27.4	29.1
70°	18.1	19.0	20.0	20.8	21.8	22.7	23.0	23.4	23.5	23.9	25.4
72.5°	15.1	15.8	17.1	18.5	19.7	21.0	21.2	21.2	21.3	21.3	22.5
75°	13.1	13.6	14.6	15.6	16.5	17.5	18.0	18.5	18.8	19.3	20.0
77.5°	11.6	12.3	12.6	12.8	13.1	13.3	13.6	13.9	14.3	14.6	14.8
80°	8.6	9.4	9.7	9.9	10.3	10.4	10.4	10.3	10.3	10.1	10.3
82.5°	2.7	3.0	3.5	4.0	4.5	5.0	5.2	5.4	5.4	5.5	5.4
85°	0.5	0.7	1.0	1.3	1.5	1.8	1.7	1.3	1.2	0.8	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366699
 CATALOG NUMBER: MSA-SA1A-760-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366699
 CATALOG NUMBER: MSA-SA1A-760-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2
2.5°	388.4	393.2	398.3	396.3	394.2	392.2	390.2	390.5	391.0	391.4	391.7
5°	381.5	381.1	381.0	386.7	392.6	398.3	404.0	410.2	416.6	422.8	429.0
7.5°	333.4	332.7	332.2	339.6	347.0	354.4	361.8	370.4	379.1	387.7	396.3
10°	299.5	300.8	302.1	305.2	308.4	311.4	314.4	322.6	330.9	338.9	347.2
12.5°	311.4	320.8	330.4	332.2	333.9	335.8	337.4	338.6	339.8	341.0	342.1
15°	281.8	293.4	305.0	309.9	314.6	319.5	324.2	336.6	348.9	361.3	373.6
17.5°	234.8	246.9	259.1	273.7	288.4	303.0	317.6	331.0	344.5	357.9	371.4
20°	179.6	195.8	211.9	230.4	249.0	267.5	286.0	299.5	312.7	326.2	339.5
22.5°	129.1	142.2	155.3	177.6	199.8	222.2	244.3	267.7	291.2	314.6	337.9
25°	98.3	106.5	114.9	137.0	159.0	180.8	202.8	234.9	267.0	299.1	331.2
27.5°	83.5	89.2	94.8	114.6	134.4	154.1	173.9	212.1	250.2	288.4	326.5
30°	78.6	82.5	86.4	103.2	120.2	137.0	153.8	192.4	231.1	269.7	308.4
32.5°	72.6	75.8	79.1	93.9	108.7	123.3	138.1	175.9	213.8	251.4	289.2
35°	65.7	69.2	72.6	87.4	102.2	116.8	131.6	170.7	209.9	249.0	288.2
37.5°	65.2	68.1	70.7	87.9	105.2	122.3	139.5	178.6	217.8	256.8	295.9
40°	64.5	67.2	69.9	87.4	104.7	122.2	139.5	180.5	221.5	262.5	303.5
42.5°	66.2	69.7	73.4	88.9	104.4	119.6	135.1	178.3	221.5	264.5	307.7
45°	68.6	73.1	77.6	91.8	105.9	120.0	134.1	181.0	227.9	274.6	321.5
47.5°	70.7	72.9	75.1	88.6	101.8	115.3	128.6	176.4	224.3	272.2	320.1
50°	72.8	71.6	70.4	85.2	100.0	114.6	129.4	175.1	220.6	266.4	311.9
52.5°	68.7	66.4	63.9	79.7	95.4	111.1	126.9	172.9	219.0	265.0	311.1
55°	61.2	58.5	55.8	71.4	86.9	102.5	118.0	163.8	209.7	255.6	301.5
57.5°	53.4	52.4	51.3	63.2	75.1	86.9	98.8	149.7	200.8	251.7	302.6
60°	45.5	46.5	47.7	56.3	64.9	73.3	81.8	131.7	181.5	231.4	281.1
62.5°	40.3	42.2	43.9	51.1	58.5	65.7	72.9	120.0	167.0	214.1	261.1
65°	35.3	37.3	39.3	47.9	56.6	65.2	73.8	113.6	153.4	193.3	233.1
67.5°	30.8	32.3	33.9	45.2	56.5	67.7	79.0	111.6	144.0	176.6	209.0
70°	26.9	28.2	29.7	42.9	56.0	69.1	82.2	109.9	137.8	165.5	193.3
72.5°	23.7	24.9	26.0	39.3	52.6	65.9	79.1	103.9	128.4	153.1	177.6
75°	20.7	21.2	21.8	33.1	44.2	55.5	66.5	83.0	99.7	116.1	132.6
77.5°	15.0	15.0	15.1	18.5	21.7	25.0	28.2	38.5	48.7	58.8	69.1
80°	10.3	10.4	10.4	11.8	12.9	14.3	15.5	17.6	19.7	21.8	23.9
82.5°	5.2	4.9	4.7	6.0	7.4	8.7	10.1	10.6	10.9	11.4	11.8
85°	0.5	0.2	0.0	0.8	1.7	2.5	3.4	4.0	4.7	5.4	6.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366699
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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: P366699

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2
2.5°	390.4	389.0	387.7	386.3	394.6	403.0	411.2	419.4	442.8	458.1	456.4
5°	435.1	441.1	447.2	453.2	463.0	472.9	482.6	492.4	527.0	548.2	551.2
7.5°	405.7	414.9	424.3	433.6	452.4	471.0	489.9	508.5	536.9	558.9	571.4
10°	357.8	368.4	378.8	389.4	410.5	431.9	453.1	474.2	506.2	536.6	552.2
12.5°	358.8	375.4	392.0	408.7	427.2	445.7	464.0	482.5	502.0	512.2	534.2
15°	386.7	399.8	412.9	426.0	450.2	474.4	498.4	522.6	534.2	558.9	584.6
17.5°	396.9	422.6	448.2	473.7	504.0	534.0	564.3	594.4	616.2	650.5	677.1
20°	377.9	416.4	454.7	493.2	534.7	576.2	617.7	659.2	683.1	715.7	756.7
22.5°	378.8	419.6	460.3	501.1	558.4	615.6	672.9	730.0	794.0	856.9	876.9
25°	384.7	438.1	491.4	544.8	611.0	677.2	743.4	809.6	886.9	953.0	979.5
27.5°	386.7	446.8	506.8	567.0	661.1	755.2	849.3	943.4	1035.7	1110.3	1138.7
30°	381.8	455.4	528.8	602.3	717.7	833.2	948.6	1064.1	1151.6	1238.5	1273.8
32.5°	383.0	476.7	570.5	664.3	800.2	936.3	1072.3	1208.2	1264.2	1342.5	1404.7
35°	391.0	493.9	596.6	699.4	849.8	1000.2	1150.6	1301.0	1392.8	1475.4	1528.2
37.5°	409.9	523.8	637.6	751.5	936.3	1121.4	1306.2	1491.1	1633.1	1775.1	1799.3
40°	423.8	544.1	664.5	784.8	999.4	1214.0	1428.6	1643.1	1803.8	1957.9	1974.4
42.5°	439.6	571.4	703.3	835.0	1075.0	1315.0	1554.9	1794.9	1980.9	2138.0	2149.0
45°	456.9	592.5	728.0	863.4	1114.8	1366.0	1617.4	1868.7	2085.9	2268.4	2227.3
47.5°	465.1	610.2	755.2	900.2	1169.8	1439.1	1708.7	1978.1	2173.0	2334.0	2285.9
50°	471.5	631.0	790.7	950.1	1232.8	1515.4	1798.1	2080.7	2276.2	2424.7	2349.4
52.5°	489.5	667.8	846.3	1024.6	1325.2	1625.7	1926.3	2226.8	2415.8	2552.3	2446.7
55°	507.0	712.3	917.9	1123.2	1446.5	1770.0	2093.3	2416.7	2604.9	2721.8	2578.5
57.5°	529.0	755.5	981.9	1208.2	1554.1	1899.9	2245.6	2591.4	2775.4	2904.7	2755.8
60°	523.3	765.3	1007.4	1249.4	1601.6	1953.9	2306.1	2658.3	2876.9	3035.7	2934.7
62.5°	501.1	741.1	980.9	1220.8	1566.9	1912.7	2258.7	2604.5	2866.5	3081.6	3047.7
65°	456.2	679.2	902.4	1125.4	1455.8	1786.3	2116.7	2447.1	2770.4	3044.1	3056.2
67.5°	397.3	585.5	773.5	961.7	1269.9	1578.1	1886.1	2194.3	2576.0	2895.3	2931.2
70°	334.7	476.1	617.6	758.9	1030.1	1301.3	1572.4	1843.6	2240.4	2561.7	2629.6
72.5°	268.4	359.3	450.0	540.8	736.5	932.1	1127.9	1323.5	1672.6	1921.9	2040.4
75°	173.9	215.3	256.6	297.9	428.3	558.6	689.0	819.2	1051.0	1234.6	1368.6
77.5°	77.5	85.9	94.1	102.5	203.2	303.8	404.5	505.1	605.8	716.7	748.1
80°	27.7	31.4	35.3	39.0	88.4	138.0	187.4	236.8	285.5	342.8	356.8
82.5°	11.6	11.6	11.4	11.3	28.9	46.5	64.2	81.8	94.6	108.7	111.4
85°	4.7	3.5	2.2	0.8	3.7	6.7	9.6	12.4	20.0	18.1	33.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366699
 CATALOG NUMBER: MSA-SA1A-760-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366699

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2
2.5°	450.0	449.7	449.4	449.0	448.7	442.6	436.7	430.7	424.8	432.2	439.6
5°	546.3	555.1	563.8	572.7	581.4	584.0	586.5	589.0	591.5	596.9	602.3
7.5°	581.8	596.6	611.2	626.0	640.6	654.2	667.6	681.3	694.9	691.5	688.1
10°	569.5	596.2	622.9	649.8	676.6	682.4	688.3	694.4	700.2	715.5	730.8
12.5°	556.2	588.3	620.4	652.5	684.6	702.4	720.1	737.9	755.7	771.2	786.6
15°	619.2	639.7	660.3	680.9	701.4	717.0	732.5	748.1	763.6	774.4	784.9
17.5°	702.1	712.2	722.3	732.5	742.6	754.9	767.1	779.4	791.7	798.0	804.4
20°	789.6	794.0	798.4	802.8	807.1	797.4	787.6	777.9	768.1	774.2	780.1
22.5°	877.5	879.0	880.7	882.2	883.8	861.1	838.4	815.7	793.0	783.4	773.8
25°	1012.8	1001.7	990.6	979.5	968.4	941.6	914.7	887.8	860.9	837.2	813.5
27.5°	1159.3	1121.7	1084.2	1046.6	1009.1	982.2	955.3	928.5	901.6	865.9	830.3
30°	1307.1	1246.4	1185.9	1125.2	1064.7	1032.8	1000.9	968.8	936.9	901.2	865.8
32.5°	1442.5	1369.6	1296.6	1223.5	1150.6	1096.8	1043.1	989.3	935.5	910.6	885.8
35°	1554.8	1468.5	1382.3	1296.0	1209.8	1156.5	1103.2	1049.9	996.7	959.7	922.9
37.5°	1746.7	1649.7	1552.7	1455.8	1358.8	1286.1	1213.5	1140.7	1067.9	1043.2	1018.5
40°	1923.6	1801.4	1679.3	1557.1	1434.9	1373.9	1313.1	1252.1	1191.3	1150.8	1110.4
42.5°	2064.3	1935.5	1807.0	1678.3	1549.5	1489.2	1429.1	1368.7	1308.4	1281.3	1254.5
45°	2094.7	1973.4	1852.2	1730.9	1609.5	1574.4	1539.5	1504.3	1469.4	1450.7	1432.3
47.5°	2154.7	2023.1	1891.7	1760.1	1628.5	1612.7	1596.9	1581.0	1565.2	1574.1	1583.0
50°	2188.3	2054.0	1919.7	1785.5	1651.2	1655.8	1660.1	1664.7	1669.2	1732.4	1795.4
52.5°	2253.5	2117.9	1982.3	1846.7	1711.0	1739.6	1768.0	1796.6	1825.0	1912.0	1998.9
55°	2369.9	2236.7	2103.4	1970.0	1836.7	1874.4	1912.0	1949.8	1987.5	2079.9	2172.2
57.5°	2542.5	2410.3	2278.2	2145.9	2013.9	2051.3	2088.8	2126.3	2163.8	2247.3	2330.6
60°	2759.8	2624.0	2488.4	2352.6	2217.0	2231.1	2245.1	2259.2	2273.3	2363.1	2452.6
62.5°	2929.0	2804.2	2679.5	2554.6	2429.9	2414.3	2398.8	2383.2	2367.8	2436.0	2504.0
65°	2968.4	2880.5	2792.7	2704.9	2617.0	2568.9	2521.0	2473.0	2424.9	2452.5	2480.0
67.5°	2855.8	2796.4	2737.3	2678.0	2618.7	2518.3	2418.0	2317.5	2217.2	2202.6	2188.0
70°	2594.5	2562.0	2529.8	2497.3	2465.1	2310.5	2156.0	2001.4	1847.0	1809.8	1772.7
72.5°	2047.3	2067.5	2087.6	2108.0	2128.1	1962.6	1797.2	1631.7	1466.2	1419.1	1372.3
75°	1443.7	1512.1	1580.5	1648.9	1717.3	1566.4	1415.6	1264.7	1113.8	1068.6	1023.6
77.5°	782.8	911.0	1039.2	1167.4	1295.6	1171.1	1046.8	922.2	797.7	766.3	735.0
80°	371.0	445.0	518.8	592.7	666.6	638.6	610.5	582.3	554.2	561.1	568.0
82.5°	113.8	167.2	220.6	274.1	327.5	331.7	335.8	340.0	344.2	354.6	364.8
85°	38.1	52.3	66.4	80.5	94.6	119.5	144.4	169.4	194.3	178.1	162.2
87.5°	0.0	0.5	0.8	1.3	1.7	5.2	8.7	12.3	15.8	13.6	11.6
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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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: P366699

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

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2
2.5°	447.2	454.6	454.7	455.1	455.2	455.4	456.2	457.1	458.1	458.9	453.4
5°	607.8	613.2	603.3	593.4	583.3	573.4	582.3	591.2	600.1	609.0	605.1
7.5°	684.6	681.3	680.1	679.1	677.9	676.9	680.2	683.6	687.0	690.3	690.0
10°	746.1	761.4	765.1	768.8	772.7	776.4	768.6	760.9	753.2	745.4	742.3
12.5°	802.1	817.5	829.8	842.1	854.5	866.8	855.7	844.8	833.7	822.7	812.3
15°	795.7	806.3	816.4	826.4	836.5	846.6	842.9	839.4	835.7	832.0	830.3
17.5°	811.0	817.4	815.0	812.7	810.1	807.8	806.6	805.6	804.4	803.3	799.2
20°	786.1	792.2	790.7	789.3	787.8	786.3	785.3	784.3	783.3	782.3	779.1
22.5°	764.3	754.7	752.2	749.8	747.3	744.9	745.3	745.6	745.8	746.1	760.6
25°	789.8	766.1	756.9	747.6	738.2	729.0	733.2	737.2	741.4	745.6	766.5
27.5°	794.5	758.9	744.1	729.3	714.5	699.7	714.9	730.0	745.1	760.2	794.0
30°	830.1	794.7	774.0	753.5	732.8	712.3	731.7	751.0	770.3	789.6	826.3
32.5°	860.7	835.9	821.1	806.3	791.5	776.7	777.5	778.2	779.1	779.9	831.5
35°	885.9	849.1	835.7	822.4	809.0	795.7	815.7	835.7	855.7	875.7	922.1
37.5°	993.8	969.1	944.4	919.9	895.2	870.6	886.6	902.6	918.7	934.7	985.9
40°	1069.9	1029.6	1023.2	1017.0	1010.6	1004.4	1012.6	1020.7	1028.9	1037.2	1082.0
42.5°	1227.4	1200.3	1183.0	1165.9	1148.6	1131.4	1138.0	1144.6	1151.3	1157.8	1200.3
45°	1413.6	1394.9	1383.5	1372.1	1360.5	1349.1	1339.2	1329.4	1319.5	1309.7	1352.9
47.5°	1591.9	1600.8	1626.0	1651.0	1676.3	1701.3	1680.8	1660.3	1639.6	1619.1	1619.3
50°	1858.6	1921.6	1934.4	1947.0	1959.7	1972.3	1928.7	1885.0	1841.1	1797.4	1792.2
52.5°	2085.9	2172.8	2177.4	2181.9	2186.6	2191.1	2173.5	2155.9	2138.0	2120.4	2073.5
55°	2264.6	2356.8	2363.1	2369.1	2375.3	2381.4	2365.9	2350.6	2335.2	2319.7	2272.3
57.5°	2414.1	2497.5	2501.2	2504.7	2508.4	2512.1	2513.3	2514.5	2515.8	2517.0	2453.0
60°	2542.4	2632.1	2624.7	2617.5	2610.1	2602.9	2591.8	2580.7	2569.6	2558.5	2517.2
62.5°	2572.3	2640.5	2629.1	2617.8	2606.4	2595.1	2585.7	2576.5	2567.1	2557.6	2531.3
65°	2507.6	2535.1	2523.4	2511.6	2499.7	2487.9	2481.9	2476.0	2469.9	2463.9	2460.5
67.5°	2173.2	2158.5	2172.5	2186.4	2200.4	2214.3	2233.3	2252.3	2271.5	2290.5	2279.4
70°	1735.4	1698.3	1713.7	1729.0	1744.5	1759.8	1788.5	1817.2	1846.1	1874.9	1867.2
72.5°	1325.2	1278.2	1280.3	1282.5	1284.9	1287.1	1286.2	1285.5	1284.7	1283.9	1297.3
75°	978.4	933.2	911.8	890.5	869.1	847.8	842.6	837.4	832.2	827.0	852.0
77.5°	703.6	672.3	657.7	643.3	628.7	614.2	621.6	629.0	636.6	643.9	652.7
80°	575.1	581.9	570.7	559.6	548.3	537.1	545.5	553.7	562.1	570.5	544.5
82.5°	375.2	385.5	350.9	316.3	281.6	247.0	268.0	289.0	310.2	331.2	320.5
85°	146.0	130.1	110.9	91.9	72.8	53.6	69.7	85.9	102.0	118.1	128.9
87.5°	9.4	7.4	5.9	4.4	2.7	1.2	2.5	3.9	5.4	6.7	11.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366699
 CATALOG NUMBER: MSA-SA1A-760-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366699

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

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2	355.2
2.5°	448.0	442.5	437.1	426.5	415.9	405.3	394.7	409.5	424.3	439.1	453.9
5°	601.4	597.6	593.9	594.9	595.9	597.1	598.1	600.3	602.4	604.5	606.6
7.5°	689.8	689.5	689.2	681.4	673.7	665.8	658.1	661.9	665.8	669.7	673.5
10°	739.2	736.0	732.8	715.9	698.9	681.8	664.8	657.4	649.8	642.4	635.0
12.5°	801.9	791.3	780.9	762.8	744.8	726.6	708.5	701.8	694.9	688.1	681.3
15°	828.8	827.1	825.6	812.7	799.6	786.6	773.5	750.5	727.3	704.3	681.3
17.5°	795.2	791.0	787.0	807.5	827.8	848.3	868.8	844.9	821.1	797.2	773.3
20°	775.9	772.7	769.5	807.6	845.6	883.8	921.7	911.1	900.4	889.8	879.2
22.5°	775.0	789.6	804.1	837.5	870.8	904.3	937.5	955.8	974.3	992.6	1011.0
25°	787.3	808.3	829.1	884.6	940.0	995.7	1051.1	1072.1	1093.0	1114.0	1134.8
27.5°	827.6	861.4	895.0	943.4	991.8	1040.4	1088.8	1134.6	1180.7	1226.6	1272.4
30°	862.7	899.4	936.0	993.7	1051.1	1108.8	1166.2	1223.7	1281.2	1338.6	1396.1
32.5°	883.1	934.8	986.4	1056.5	1126.4	1196.5	1266.6	1329.6	1392.6	1455.4	1518.5
35°	968.4	1015.0	1061.4	1138.8	1216.3	1293.9	1371.4	1449.4	1527.4	1605.2	1683.1
37.5°	1037.2	1088.6	1139.9	1224.5	1309.1	1393.8	1478.5	1586.2	1694.1	1801.8	1909.5
40°	1126.9	1171.8	1216.6	1296.0	1375.1	1454.4	1533.7	1670.4	1807.0	1943.4	2080.1
42.5°	1242.7	1285.2	1327.7	1412.6	1497.5	1582.3	1667.2	1818.4	1969.7	2120.7	2272.0
45°	1396.1	1439.5	1482.7	1550.2	1617.8	1685.3	1752.9	1913.7	2074.4	2235.2	2395.8
47.5°	1619.5	1619.6	1619.8	1668.5	1717.3	1766.2	1814.9	1976.9	2138.7	2300.7	2462.5
50°	1787.0	1781.6	1776.4	1801.6	1826.7	1851.9	1877.1	2026.1	2175.3	2324.4	2473.5
52.5°	2026.8	1979.9	1933.2	1948.1	1962.9	1977.9	1992.7	2118.9	2245.3	2371.5	2497.7
55°	2225.1	2177.7	2130.3	2124.8	2119.2	2113.7	2108.1	2224.2	2340.4	2456.5	2572.6
57.5°	2389.1	2325.1	2261.2	2248.4	2235.8	2223.1	2210.3	2332.8	2455.1	2577.6	2700.0
60°	2476.0	2434.6	2393.3	2385.1	2376.7	2368.4	2360.0	2460.5	2561.0	2661.5	2762.0
62.5°	2505.1	2478.7	2452.5	2467.9	2483.4	2499.0	2514.5	2558.7	2602.7	2646.9	2690.9
65°	2457.3	2454.0	2450.6	2482.4	2514.0	2545.7	2577.5	2566.6	2555.5	2544.5	2533.6
67.5°	2268.4	2257.4	2246.4	2316.2	2385.7	2455.5	2525.2	2472.3	2419.2	2366.2	2313.3
70°	1859.4	1851.5	1843.8	1944.3	2044.8	2145.4	2245.9	2181.7	2117.5	2053.3	1989.2
72.5°	1310.6	1324.0	1337.5	1455.9	1574.2	1692.7	1811.0	1746.3	1681.6	1616.9	1552.2
75°	876.9	901.9	926.9	1048.9	1170.9	1293.1	1415.1	1339.2	1263.2	1187.2	1111.3
77.5°	661.4	670.2	678.9	756.0	833.2	910.5	987.6	924.9	862.1	799.4	736.5
80°	518.4	492.2	466.2	491.5	516.9	542.3	567.7	530.2	492.7	455.4	417.9
82.5°	309.7	299.0	288.2	302.0	315.6	329.4	343.1	327.0	310.7	294.6	278.3
85°	139.5	150.2	160.8	174.8	188.5	202.5	216.4	193.9	171.4	148.9	126.4
87.5°	15.6	20.2	24.7	30.6	36.5	42.3	48.2	37.6	26.9	16.3	5.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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°	355.2	355.2
2.5°	462.5	471.0
5°	606.5	606.1
7.5°	663.4	653.2
10°	625.6	616.2
12.5°	657.2	633.2
15°	663.1	645.0
17.5°	743.8	714.0
20°	841.1	802.8
22.5°	958.5	905.9
25°	1072.3	1009.8
27.5°	1235.0	1197.3
30°	1358.1	1320.0
32.5°	1492.6	1466.7
35°	1657.4	1631.6
37.5°	1916.2	1922.8
40°	2084.1	2088.1
42.5°	2287.6	2303.2
45°	2413.3	2430.8
47.5°	2486.9	2511.3
50°	2512.8	2552.1
52.5°	2546.2	2594.6
55°	2626.5	2680.5
57.5°	2743.0	2786.0
60°	2764.0	2766.0
62.5°	2659.8	2628.7
65°	2500.5	2467.4
67.5°	2293.3	2273.1
70°	1962.6	1936.1
72.5°	1502.8	1453.4
75°	1050.1	988.9
77.5°	704.4	672.3
80°	418.9	419.8
82.5°	286.0	293.6
85°	124.9	123.2
87.5°	4.0	2.2
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)