

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: P366611

Luminaire Tested: **MSA-SA1A-727-U-SLR-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P366611
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-727-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: 2465 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

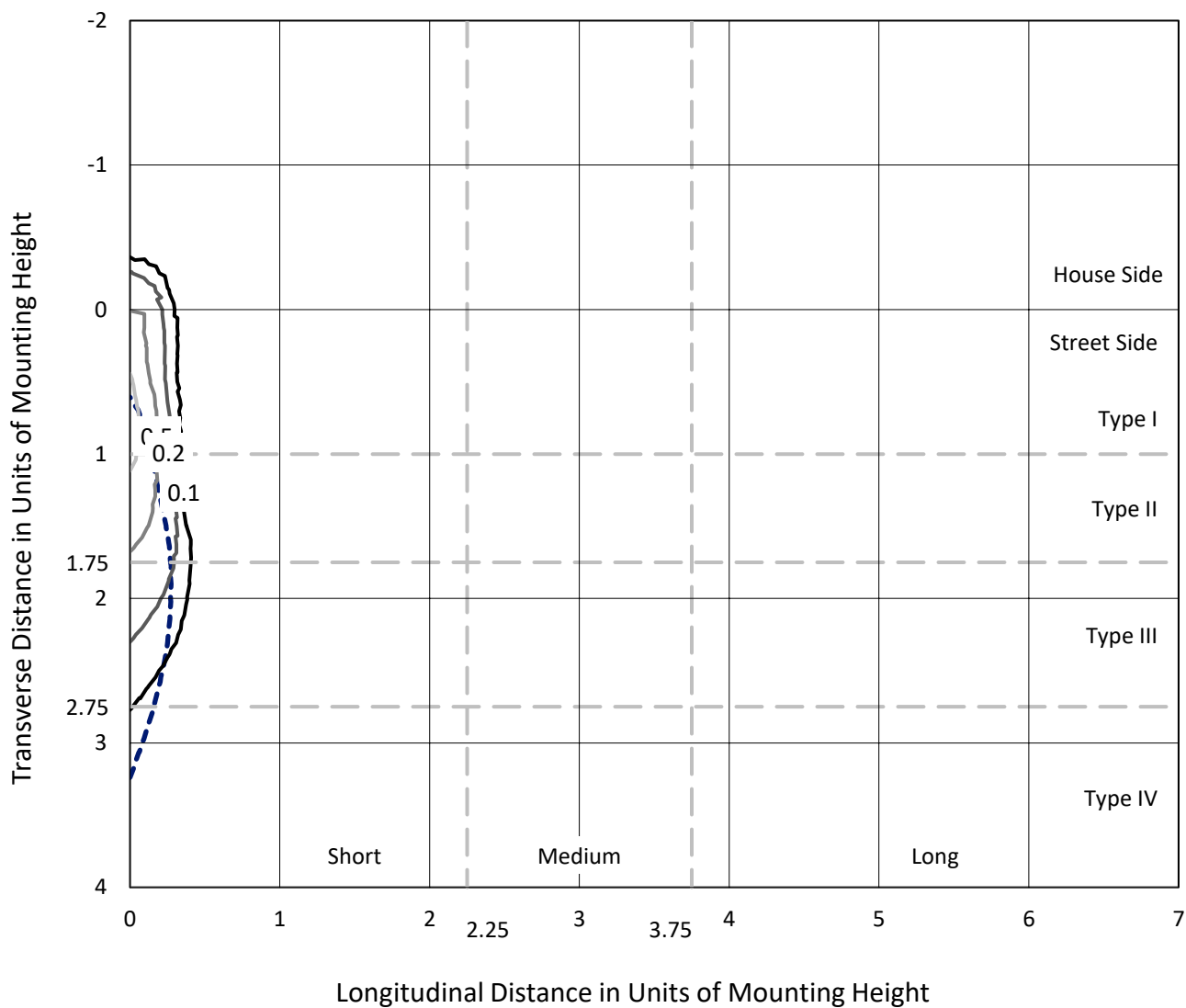
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

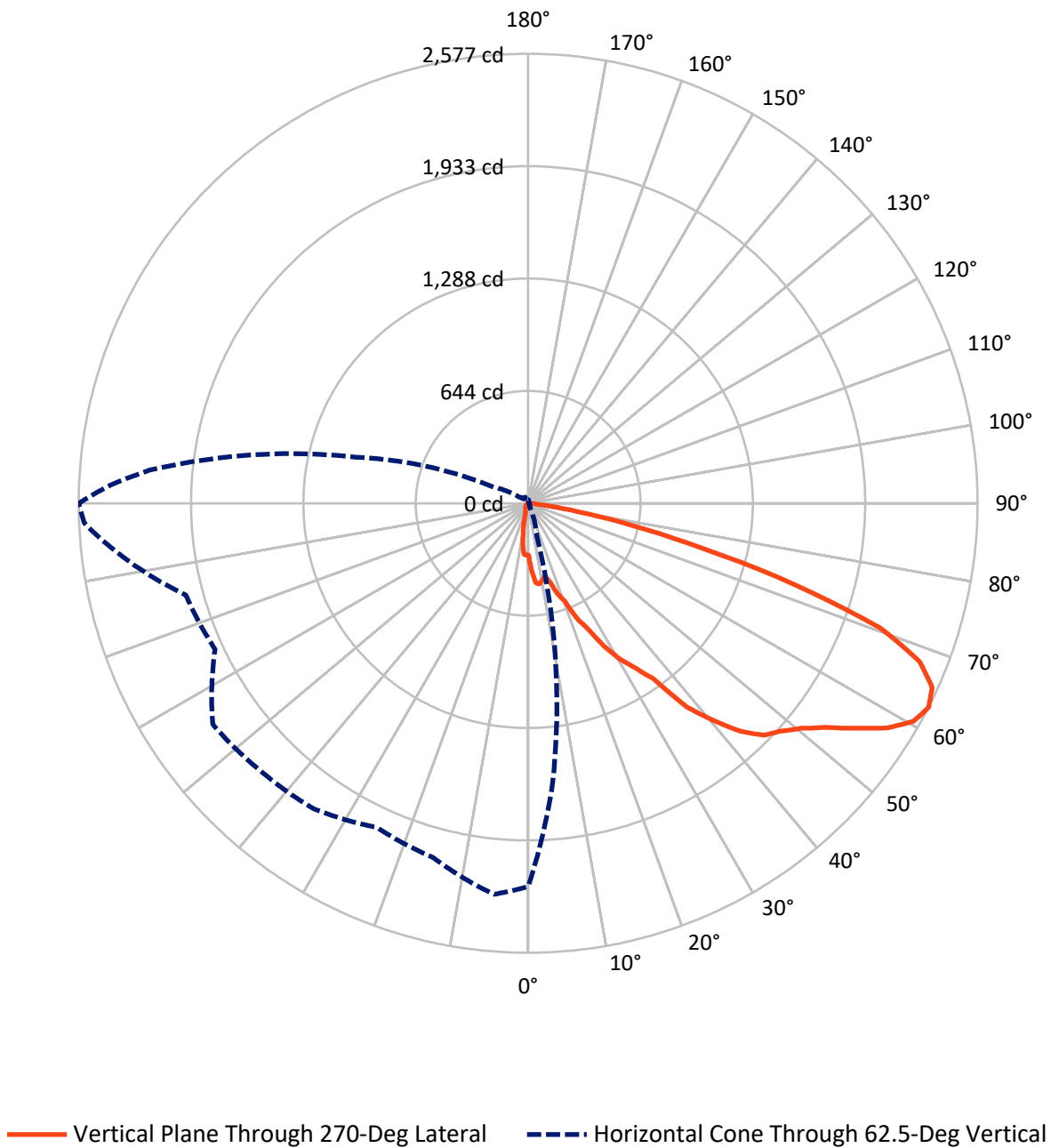
× Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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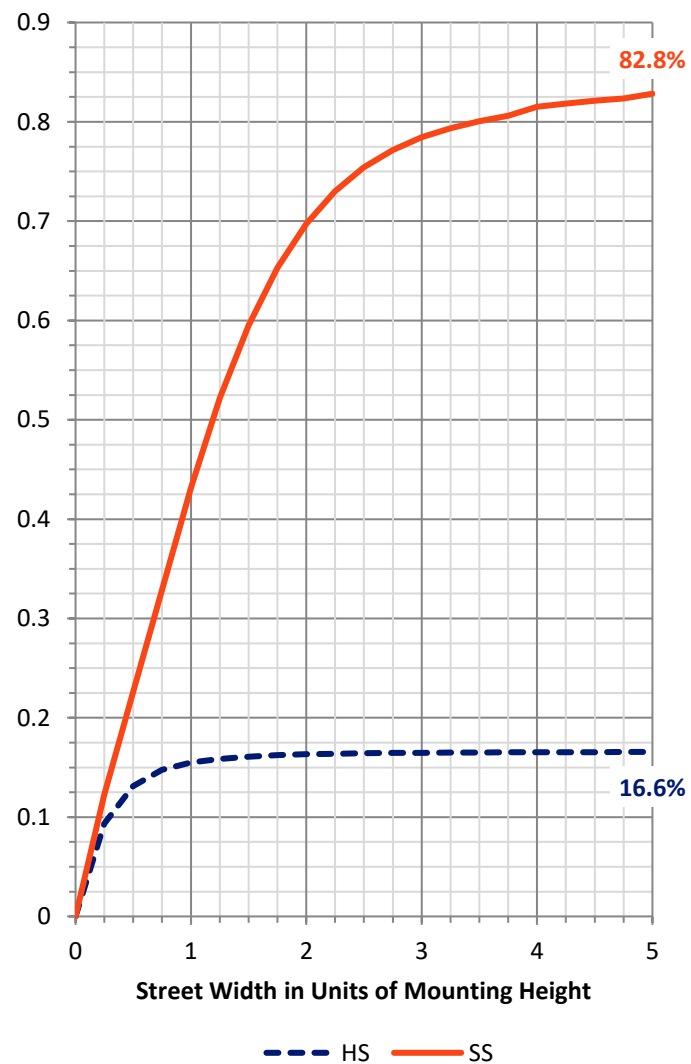
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	411.6	0.0	411.6
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	2053.4	0.0	2053.4
	% Fixture	83.3	0.0	83.3
Total	Lumens	2465.0	0.0	2465.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.2	1.3
10°-20°	86.7	3.5
20°-30°	140.1	5.7
30°-40°	234.7	9.5
40°-50°	383.7	15.6
50°-60°	568.0	23.0
60°-70°	652.0	26.5
70°-80°	322.4	13.1
80°-90°	44.3	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°	2465.0	100.0
0°-180°	2465.0	100.0

Coefficient of Utilization



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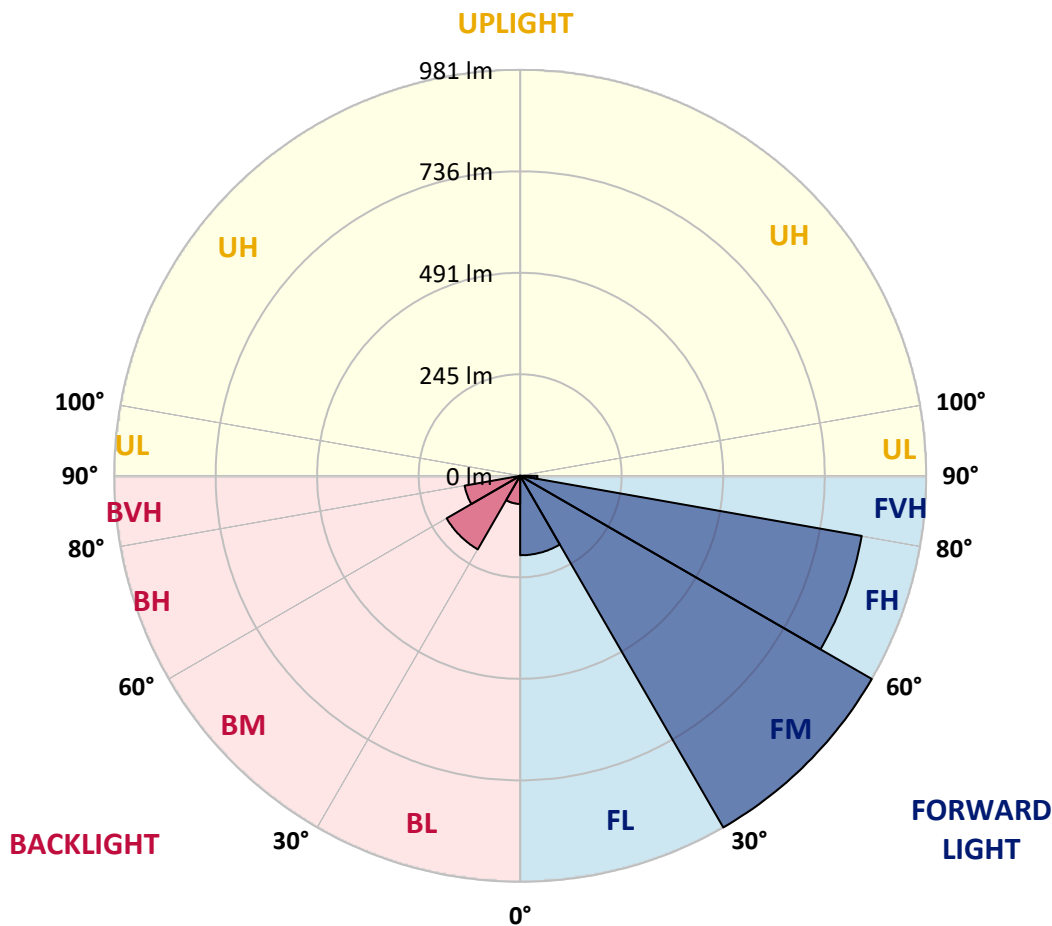
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	192.0	7.8			
FM	(30°-60°)	981.2	39.8			
FH	(60°-80°)	838.2	34.0			G1/1800
FVH	(80°-90°)	41.9	1.7			G1/100
BL	(0°-30°)	68.0	2.8	B0/110		
BM	(30°-60°)	205.1	8.3	B0/220		
BH	(60°-80°)	136.2	5.5	B1/500		G1/500
BVH	(80°-90°)	2.4	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°	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0
2.5°	393.9	398.8	403.6	394.4	385.3	376.2	367.0	358.9	350.7	342.4	334.3
5°	506.8	497.8	488.8	476.5	464.1	451.7	439.4	433.6	427.9	422.1	416.3
7.5°	546.2	530.2	514.0	503.0	492.2	481.3	470.3	453.0	435.6	418.3	400.9
10°	515.3	498.3	481.1	471.6	462.0	452.5	442.9	421.4	399.8	378.3	356.6
12.5°	529.5	511.0	492.6	473.0	453.3	433.6	414.0	397.5	380.9	364.5	347.9
15°	539.3	518.2	497.0	474.5	452.0	429.5	407.1	387.7	368.4	349.0	329.6
17.5°	597.0	566.8	536.6	502.1	467.5	432.9	398.4	375.9	353.5	331.0	308.6
20°	671.2	628.4	585.4	538.6	491.8	445.0	398.2	370.3	342.3	314.3	286.4
22.5°	757.5	704.0	650.3	592.5	534.9	477.2	419.4	379.2	339.1	298.9	258.7
25°	844.3	796.0	747.7	670.0	592.3	514.4	436.7	385.7	334.6	283.6	232.4
27.5°	1001.2	914.7	828.3	729.4	630.6	531.7	432.8	374.3	315.9	257.3	198.8
30°	1103.7	1037.3	970.7	840.0	709.4	578.8	448.1	374.0	300.0	225.8	151.8
32.5°	1226.4	1129.2	1031.8	890.0	748.2	606.5	464.7	377.7	290.6	203.6	116.5
35°	1364.2	1258.4	1152.6	973.1	793.5	613.8	434.2	349.9	265.6	181.3	97.0
37.5°	1607.7	1430.7	1253.7	1044.3	834.8	625.4	415.9	331.8	247.4	163.3	79.0
40°	1746.0	1577.0	1407.9	1146.3	884.7	623.0	361.4	286.6	212.0	137.3	62.5
42.5°	1925.9	1711.4	1496.9	1204.5	912.1	619.7	327.3	258.1	189.0	119.7	50.6
45°	2032.5	1789.6	1546.6	1229.8	912.9	596.1	279.2	219.3	159.5	99.6	39.8
47.5°	2099.8	1856.2	1612.5	1272.3	932.3	592.1	251.9	196.9	141.8	86.7	31.6
50°	2134.0	1889.6	1645.1	1295.5	945.9	596.2	246.6	191.8	136.9	82.1	27.1
52.5°	2169.5	1933.9	1698.1	1335.7	973.3	610.9	248.6	192.6	136.9	80.9	25.0
55°	2241.3	2008.9	1776.4	1393.3	1010.3	627.2	244.2	189.1	134.0	78.8	23.7
57.5°	2329.6	2081.1	1832.6	1435.5	1038.4	641.3	244.2	188.8	133.5	78.0	22.6
60°	2312.8	2043.2	1773.4	1388.1	1002.8	617.4	232.1	179.4	126.9	74.2	21.5
62.5°	2198.0	1905.4	1612.5	1256.5	900.3	544.2	188.0	146.0	104.0	61.8	19.8
65°	2063.1	1752.5	1441.7	1114.0	786.2	458.5	130.7	102.6	74.3	46.2	18.0
67.5°	1900.7	1569.4	1238.1	946.6	655.4	363.9	72.5	58.5	44.4	30.2	16.2
70°	1618.8	1276.8	934.7	710.7	486.9	262.9	38.9	32.9	26.8	20.8	14.8
72.5°	1215.3	902.0	588.6	447.1	305.8	164.3	22.8	20.5	18.1	15.9	13.5
75°	826.9	592.1	357.3	272.0	186.9	101.6	16.3	15.2	13.9	12.8	11.5
77.5°	562.2	406.6	251.1	191.7	132.2	72.8	13.3	12.6	11.9	11.1	10.4
80°	351.0	240.3	129.6	99.8	69.8	40.0	10.1	9.7	9.3	8.7	8.3
82.5°	245.5	146.8	48.2	37.7	27.1	16.4	5.9	6.0	6.2	6.2	6.3
85°	103.0	55.6	8.3	7.0	5.8	4.5	3.2	3.5	3.9	4.2	4.5
87.5°	1.8	1.0	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.4	2.7
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):

	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°	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0
2.5°	336.4	338.5	340.5	342.6	340.9	339.3	337.7	336.0	333.4	331.0	328.5
5°	409.3	402.3	395.3	388.2	377.6	366.9	356.1	345.4	344.1	342.9	341.4
7.5°	384.4	368.0	351.4	335.0	319.5	304.1	288.6	273.2	268.4	263.7	259.0
10°	344.0	331.3	318.5	305.9	294.8	283.6	272.5	261.2	249.6	237.9	226.1
12.5°	334.7	321.5	308.1	294.9	284.8	274.7	264.6	254.5	241.4	228.3	215.3
15°	315.3	301.0	286.6	272.3	258.8	245.3	231.7	218.2	202.5	186.7	171.0
17.5°	291.6	274.7	257.7	240.7	223.0	205.3	187.6	169.9	151.8	133.8	115.6
20°	263.3	240.3	217.1	194.0	172.1	150.2	128.1	106.2	94.8	83.6	72.2
22.5°	228.9	199.0	169.2	139.2	121.3	103.1	85.2	67.0	62.1	57.2	52.3
25°	198.5	164.7	130.8	97.0	85.6	74.2	62.8	51.4	49.2	46.8	44.5
27.5°	166.9	135.2	103.3	71.4	64.9	58.3	51.8	45.2	43.7	42.3	40.7
30°	128.0	104.3	80.4	56.6	52.4	48.2	43.8	39.6	38.9	38.1	37.4
32.5°	99.2	81.8	64.5	47.1	44.7	42.3	39.9	37.5	36.4	35.3	34.0
35°	82.9	69.0	54.9	40.9	39.2	37.4	35.7	33.9	32.7	31.5	30.4
37.5°	68.7	58.6	48.3	38.1	36.3	34.4	32.5	30.6	29.8	28.9	28.1
40°	56.6	50.7	44.8	38.9	36.3	33.6	30.9	28.2	27.5	26.8	26.1
42.5°	46.8	43.0	39.1	35.3	33.3	31.5	29.5	27.5	26.6	25.4	24.4
45°	37.8	35.7	33.7	31.6	31.8	31.9	31.9	32.0	29.5	26.8	24.3
47.5°	30.6	29.6	28.5	27.5	28.7	29.8	30.8	31.9	29.2	26.6	23.7
50°	26.3	25.6	24.7	23.9	25.0	26.3	27.4	28.5	27.4	26.4	25.3
52.5°	24.0	23.0	22.1	21.1	21.5	22.1	22.5	22.9	22.9	22.9	22.9
55°	22.6	21.6	20.5	19.4	19.0	18.4	18.0	17.4	16.7	16.2	15.5
57.5°	21.5	20.4	19.1	18.0	17.3	16.4	15.7	14.9	14.2	13.3	12.6
60°	20.4	19.3	18.0	16.9	16.2	15.5	14.6	13.9	13.1	12.4	11.5
62.5°	18.8	17.8	16.9	15.9	15.2	14.6	13.9	13.2	12.4	11.5	10.5
65°	17.1	16.4	15.6	14.8	14.1	13.3	12.6	11.9	11.1	10.4	9.6
67.5°	15.6	14.9	14.3	13.6	12.8	12.1	11.2	10.4	9.8	9.3	8.6
70°	14.3	13.8	13.3	12.8	11.9	11.2	10.4	9.6	9.1	8.6	8.1
72.5°	13.1	12.6	12.1	11.7	11.0	10.3	9.6	8.9	8.4	8.0	7.6
75°	11.2	11.0	10.7	10.4	9.7	9.0	8.1	7.4	7.3	7.2	7.0
77.5°	10.1	10.0	9.7	9.4	8.7	8.0	7.3	6.6	6.7	6.9	6.9
80°	8.3	8.3	8.1	8.1	7.6	7.0	6.3	5.8	6.0	6.5	6.7
82.5°	6.3	6.3	6.3	6.3	5.8	5.2	4.6	4.1	4.5	4.8	5.2
85°	4.4	4.2	4.1	3.9	3.5	3.2	2.8	2.4	3.0	3.4	3.9
87.5°	2.7	2.8	2.8	2.8	2.5	2.1	1.8	1.4	1.7	1.8	2.1
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):

	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: P366611

CATALOG NUMBER: MSA-SA1A-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0
2.5°	326.0	321.8	317.6	313.2	309.0	299.2	289.3	279.5	269.6	277.0	284.1
5°	340.2	332.0	323.7	315.6	307.3	303.6	300.1	296.5	292.8	293.4	294.1
7.5°	254.2	248.8	243.5	238.0	232.7	231.6	230.6	229.5	228.3	230.7	233.0
10°	214.4	207.0	199.4	191.9	184.4	180.3	176.2	172.1	168.1	167.6	167.1
12.5°	202.2	190.8	179.6	168.2	156.8	148.0	139.1	130.3	121.4	122.1	122.8
15°	155.3	143.9	132.6	121.3	109.9	102.7	95.4	88.2	80.9	78.8	76.7
17.5°	97.5	89.1	80.7	72.1	63.7	61.3	59.0	56.6	54.2	53.5	52.8
20°	60.8	57.2	53.5	49.7	46.1	45.5	45.0	44.4	43.8	44.3	44.7
22.5°	47.4	45.8	44.1	42.6	40.9	40.3	39.8	39.2	38.6	39.1	39.3
25°	42.2	41.0	39.9	38.8	37.7	37.1	36.4	35.8	35.1	35.4	35.8
27.5°	39.2	38.2	37.2	36.3	35.3	34.3	33.4	32.5	31.5	32.0	32.5
30°	36.5	35.4	34.4	33.3	32.2	31.2	30.2	29.1	28.1	28.7	29.2
32.5°	32.9	31.9	30.8	29.8	28.7	28.1	27.5	26.8	26.3	26.7	27.0
35°	29.1	28.2	27.5	26.7	25.9	25.3	24.9	24.3	23.7	23.9	24.2
37.5°	27.3	26.3	25.3	24.3	23.3	23.0	22.8	22.3	22.1	22.1	22.1
40°	25.4	24.4	23.5	22.3	21.4	20.9	20.5	20.1	19.7	19.7	19.7
42.5°	23.3	22.3	21.4	20.4	19.4	19.0	18.4	18.0	17.4	17.4	17.4
45°	21.6	20.7	19.8	18.8	17.8	17.1	16.4	15.6	14.9	14.8	14.6
47.5°	21.1	19.7	18.3	16.9	15.5	14.8	14.1	13.2	12.5	12.4	12.2
50°	24.2	21.4	18.5	15.7	12.9	12.4	11.8	11.2	10.7	10.4	10.3
52.5°	22.9	20.0	17.0	14.1	11.1	10.7	10.3	9.8	9.4	9.1	8.9
55°	14.8	13.5	12.4	11.1	9.8	9.6	9.3	8.9	8.6	8.3	8.0
57.5°	11.8	11.1	10.5	9.8	9.1	8.9	8.6	8.1	7.9	7.4	7.2
60°	10.7	10.1	9.6	9.0	8.4	8.1	7.9	7.6	7.3	6.9	6.6
62.5°	9.7	9.3	8.9	8.4	8.0	7.7	7.4	7.2	6.9	6.5	6.0
65°	8.7	8.4	8.1	7.9	7.6	7.3	7.0	6.6	6.3	5.9	5.5
67.5°	8.0	7.9	7.7	7.6	7.4	7.2	6.7	6.5	6.0	5.6	5.1
70°	7.6	7.6	7.6	7.4	7.4	7.2	6.7	6.5	6.0	5.5	5.1
72.5°	7.2	7.3	7.4	7.4	7.6	7.2	6.7	6.3	5.9	5.3	4.9
75°	6.9	7.0	7.2	7.2	7.3	7.0	6.7	6.3	6.0	5.5	4.9
77.5°	7.0	7.2	7.2	7.3	7.3	7.0	6.7	6.3	6.0	5.3	4.6
80°	7.0	6.9	6.7	6.5	6.3	5.8	5.2	4.5	3.9	3.1	2.4
82.5°	5.5	5.2	5.1	4.8	4.5	3.9	3.4	2.8	2.2	1.7	1.1
85°	4.4	4.1	3.9	3.7	3.4	3.0	2.4	2.0	1.4	1.1	0.7
87.5°	2.2	2.1	1.8	1.7	1.4	1.1	0.7	0.4	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366611
 CATALOG NUMBER: MSA-SA1A-727-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: P366611

CATALOG NUMBER: MSA-SA1A-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0
2.5°	291.4	298.6	297.6	296.6	301.3	305.9	302.5	299.3	295.9	292.5	285.5
5°	294.7	295.2	294.2	293.1	293.3	293.4	291.1	288.9	286.6	284.4	284.0
7.5°	235.4	237.6	240.7	243.6	243.8	243.8	242.1	240.4	238.6	236.9	237.7
10°	166.6	166.1	166.9	167.8	167.6	167.4	171.8	176.3	180.7	185.2	182.0
12.5°	123.4	124.1	120.6	117.0	118.3	119.4	120.1	120.8	121.5	122.2	124.2
15°	74.6	72.5	70.0	67.4	68.7	69.8	71.1	72.2	73.5	74.6	75.9
17.5°	52.0	51.3	50.2	48.9	49.0	49.2	49.3	49.5	49.5	49.6	49.9
20°	45.1	45.5	44.7	43.7	43.4	43.0	42.7	42.4	42.0	41.7	41.3
22.5°	39.8	40.0	40.2	40.2	39.6	38.9	38.4	37.9	37.4	36.8	36.5
25°	36.1	36.4	36.1	35.7	35.4	35.1	34.8	34.4	34.1	33.7	33.6
27.5°	33.0	33.4	33.4	33.3	33.0	32.6	31.9	31.3	30.6	29.9	30.1
30°	29.8	30.4	30.4	30.2	30.1	29.9	29.2	28.5	27.8	27.1	27.4
32.5°	27.4	27.7	27.5	27.4	27.4	27.3	26.7	26.3	25.7	25.2	25.2
35°	24.3	24.4	24.4	24.4	24.4	24.3	23.9	23.5	23.0	22.6	22.8
37.5°	22.1	22.1	22.5	22.8	22.5	22.2	21.9	21.5	21.2	20.8	20.8
40°	19.5	19.5	20.0	20.2	20.0	19.7	19.5	19.3	19.1	18.8	18.8
42.5°	17.3	17.3	17.7	18.0	18.0	17.8	17.6	17.3	17.0	16.7	16.9
45°	14.5	14.3	15.0	15.6	15.3	15.0	15.0	14.9	14.9	14.8	14.9
47.5°	11.9	11.8	12.4	12.9	12.8	12.5	12.5	12.5	12.5	12.5	12.6
50°	10.0	9.7	10.3	10.7	10.5	10.3	10.3	10.4	10.4	10.4	10.5
52.5°	8.6	8.3	8.7	9.0	8.9	8.7	8.7	8.9	8.9	8.9	9.0
55°	7.6	7.3	7.7	8.0	7.9	7.6	7.7	7.7	7.9	7.9	7.9
57.5°	6.7	6.3	6.6	6.9	6.9	6.7	6.9	6.9	7.0	7.0	7.0
60°	6.2	5.8	6.0	6.2	6.2	6.0	6.2	6.2	6.3	6.3	6.3
62.5°	5.5	5.1	5.3	5.5	5.5	5.3	5.5	5.5	5.6	5.6	5.6
65°	4.9	4.5	4.6	4.8	4.8	4.8	4.9	4.9	5.1	5.1	5.1
67.5°	4.6	4.1	4.2	4.4	4.4	4.4	4.5	4.5	4.6	4.6	4.8
70°	4.5	3.9	4.1	4.1	4.2	4.2	4.2	4.4	4.4	4.4	4.4
72.5°	4.4	3.8	3.8	3.8	3.9	3.9	3.9	4.1	4.1	4.1	4.1
75°	4.4	3.8	3.7	3.5	3.7	3.7	3.7	3.8	3.8	3.8	3.8
77.5°	3.8	3.1	2.8	2.4	2.8	3.1	3.2	3.2	3.4	3.4	3.4
80°	1.5	0.7	0.4	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.0
82.5°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366611

CATALOG NUMBER: MSA-SA1A-727-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: P366611

CATALOG NUMBER: MSA-SA1A-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0
2.5°	278.5	271.5	264.4	267.8	271.2	274.6	277.9	277.7	277.2	277.0	276.5
5°	283.7	283.3	282.9	280.9	279.1	277.1	275.1	274.7	274.1	273.7	273.2
7.5°	238.6	239.3	240.1	237.9	235.6	233.4	231.1	225.4	219.6	213.7	208.0
10°	178.7	175.4	172.1	171.8	171.6	171.3	171.0	170.4	169.9	169.2	168.6
12.5°	126.3	128.3	130.3	129.6	128.9	128.0	127.3	128.3	129.4	130.4	131.4
15°	77.0	78.3	79.4	81.9	84.4	87.0	89.5	90.5	91.6	92.6	93.6
17.5°	50.2	50.3	50.6	53.4	56.1	58.9	61.5	63.4	65.2	66.9	68.7
20°	40.9	40.5	40.0	41.6	43.1	44.7	46.2	47.9	49.6	51.3	53.0
22.5°	36.4	36.1	35.8	36.4	37.0	37.4	37.9	39.2	40.6	41.9	43.1
25°	33.4	33.2	33.0	33.3	33.6	33.9	34.1	34.8	35.5	36.3	37.0
27.5°	30.1	30.2	30.2	30.5	30.6	30.9	31.1	31.3	31.8	32.0	32.3
30°	27.5	27.8	28.0	28.2	28.4	28.7	28.8	28.7	28.5	28.4	28.2
32.5°	25.2	25.0	25.0	25.3	25.4	25.7	25.9	26.1	26.4	26.6	26.8
35°	22.8	22.9	22.9	22.9	23.0	23.0	23.0	23.3	23.7	24.0	24.3
37.5°	20.7	20.7	20.5	20.9	21.2	21.6	21.9	22.2	22.6	22.9	23.2
40°	18.8	18.8	18.8	19.1	19.4	19.5	19.8	20.5	21.2	21.9	22.6
42.5°	16.9	17.0	17.0	17.3	17.6	17.7	18.0	18.5	19.0	19.5	20.0
45°	15.0	15.2	15.3	15.6	15.7	16.0	16.2	16.4	16.6	16.9	17.0
47.5°	12.9	13.1	13.2	13.5	13.6	13.9	14.1	13.9	13.9	13.8	13.6
50°	10.8	11.0	11.1	11.5	11.8	12.2	12.5	12.2	11.9	11.5	11.2
52.5°	9.1	9.1	9.3	9.6	9.8	10.0	10.3	10.1	10.0	9.8	9.7
55°	7.9	7.9	7.9	8.0	8.1	8.3	8.4	8.6	8.6	8.7	8.7
57.5°	7.0	6.9	6.9	7.0	7.2	7.2	7.3	7.4	7.4	7.6	7.6
60°	6.3	6.2	6.2	6.3	6.5	6.6	6.7	6.7	6.7	6.6	6.6
62.5°	5.6	5.6	5.6	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0
65°	5.2	5.2	5.2	5.2	5.2	5.1	5.1	5.2	5.2	5.3	5.3
67.5°	4.8	4.9	4.9	4.8	4.6	4.5	4.4	4.5	4.5	4.6	4.6
70°	4.4	4.4	4.4	4.2	4.1	3.9	3.8	3.8	3.8	3.7	3.7
72.5°	4.1	3.9	3.9	3.8	3.5	3.4	3.1	3.0	3.0	2.8	2.7
75°	3.8	3.7	3.7	3.4	3.1	2.8	2.5	2.4	2.1	2.0	1.7
77.5°	3.4	3.4	3.4	3.0	2.7	2.2	1.8	1.5	1.3	0.8	0.6
80°	1.1	1.3	1.4	1.3	1.3	1.1	1.0	0.7	0.6	0.3	0.0
82.5°	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P366611

CATALOG NUMBER: MSA-SA1A-727-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: P366611

CATALOG NUMBER: MSA-SA1A-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0
2.5°	278.1	279.6	281.2	282.7	282.9	283.0	283.1	283.3	279.8	276.1	272.6
5°	276.0	278.9	281.7	284.5	283.0	281.4	279.9	278.4	278.2	278.2	278.1
7.5°	208.4	208.7	209.1	209.4	209.9	210.5	210.9	211.5	213.7	216.0	218.1
10°	166.8	165.0	163.0	161.2	159.8	158.2	156.8	155.3	156.4	157.7	158.8
12.5°	129.8	128.3	126.6	125.1	124.5	123.9	123.2	122.7	126.3	130.0	133.5
15°	93.3	93.0	92.6	92.3	94.1	96.0	97.8	99.6	102.7	105.7	108.8
17.5°	69.4	70.1	70.8	71.5	72.6	73.8	74.8	75.9	78.1	80.5	82.8
20°	53.8	54.8	55.6	56.5	56.2	55.9	55.5	55.2	57.0	58.9	60.6
22.5°	44.0	44.7	45.5	46.2	46.4	46.5	46.7	46.8	47.9	48.9	50.0
25°	37.7	38.5	39.2	39.9	40.0	40.2	40.3	40.5	41.9	43.3	44.5
27.5°	33.3	34.1	35.1	36.0	36.3	36.5	36.8	37.1	37.9	38.6	39.5
30°	29.4	30.5	31.6	32.7	33.2	33.6	34.0	34.4	35.3	36.3	37.1
32.5°	27.4	28.1	28.7	29.2	30.2	31.1	32.0	32.9	33.9	35.0	36.0
35°	25.2	25.9	26.7	27.4	28.1	28.8	29.4	30.1	30.6	31.2	31.6
37.5°	23.7	24.4	25.0	25.6	25.9	26.1	26.3	26.6	26.8	27.1	27.3
40°	22.6	22.5	22.5	22.3	22.6	23.0	23.3	23.6	24.4	25.2	26.0
42.5°	19.7	19.3	19.0	18.5	19.3	19.8	20.5	21.1	22.2	23.3	24.4
45°	16.7	16.4	16.0	15.7	16.7	17.7	18.7	19.7	20.9	22.1	23.3
47.5°	13.8	13.9	13.9	14.1	15.0	16.0	16.9	17.8	19.1	20.4	21.6
50°	11.5	11.8	12.1	12.4	13.3	14.2	15.2	16.0	17.4	18.7	20.1
52.5°	10.1	10.5	10.8	11.2	12.1	13.1	13.9	14.8	16.0	17.3	18.5
55°	9.1	9.7	10.1	10.5	11.2	11.9	12.6	13.3	14.6	15.9	17.0
57.5°	8.0	8.4	8.9	9.3	10.0	10.7	11.2	11.9	13.1	14.3	15.5
60°	7.0	7.3	7.7	8.0	8.6	9.3	9.8	10.4	11.5	12.6	13.6
62.5°	6.2	6.5	6.6	6.7	7.3	7.9	8.4	9.0	10.0	11.1	12.1
65°	5.5	5.6	5.6	5.8	6.2	6.7	7.2	7.6	8.7	9.7	10.8
67.5°	4.6	4.8	4.8	4.8	5.2	5.6	6.0	6.5	7.4	8.6	9.6
70°	3.7	3.8	3.8	3.8	4.2	4.8	5.2	5.6	6.5	7.3	8.1
72.5°	2.8	2.8	3.0	3.0	3.4	3.9	4.4	4.8	5.5	6.2	6.9
75°	1.8	2.0	2.0	2.1	2.5	3.1	3.5	3.9	4.6	5.3	5.9
77.5°	0.7	1.0	1.1	1.3	1.7	2.1	2.5	3.0	3.5	4.2	4.8
80°	0.0	0.1	0.1	0.1	0.4	0.6	0.8	1.0	1.4	2.0	2.4
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: P366611
 CATALOG NUMBER: MSA-SA1A-727-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: P366611

CATALOG NUMBER: MSA-SA1A-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0
2.5°	268.9	276.7	284.4	292.1	299.9	309.4	319.0	320.4	321.8	320.1	318.5
5°	277.9	281.7	285.4	289.2	292.8	303.8	314.6	314.7	314.7	314.9	314.9
7.5°	220.3	223.6	226.8	229.9	233.1	240.3	247.4	250.1	252.6	252.1	251.5
10°	159.9	164.1	168.2	172.4	176.5	183.1	189.7	192.2	194.6	202.3	210.2
12.5°	137.1	141.2	145.3	149.2	153.3	160.0	166.8	171.7	176.5	181.3	186.0
15°	111.7	114.9	118.3	121.5	124.8	127.9	131.0	137.0	142.9	147.7	152.5
17.5°	85.0	86.4	87.7	89.1	90.3	91.8	93.2	95.7	98.1	102.3	106.4
20°	62.4	63.5	64.6	65.6	66.7	68.1	69.6	71.4	73.1	74.1	74.9
22.5°	51.0	52.7	54.4	55.9	57.6	58.6	59.6	60.1	60.7	61.1	61.5
25°	45.9	47.5	48.9	50.4	51.8	52.3	52.7	53.8	54.9	54.9	54.9
27.5°	40.2	42.3	44.5	46.7	48.8	49.3	49.7	50.2	50.4	49.9	49.2
30°	37.9	40.0	42.2	44.1	46.2	47.1	47.8	48.2	48.6	47.9	47.2
32.5°	37.0	38.9	40.7	42.7	44.5	45.7	46.7	47.8	48.8	48.9	49.2
35°	32.2	33.4	34.8	36.1	37.4	37.9	38.5	38.9	39.2	39.2	39.2
37.5°	27.5	29.2	31.1	32.7	34.4	35.7	37.0	37.1	37.1	37.4	37.8
40°	26.7	28.4	30.1	31.6	33.3	34.7	36.0	36.1	36.3	36.5	36.8
42.5°	25.6	27.4	29.2	31.1	32.9	34.3	35.5	35.5	35.4	35.8	36.1
45°	24.4	26.3	28.0	29.8	31.5	33.3	35.0	34.6	34.0	34.7	35.3
47.5°	22.9	24.9	26.8	28.7	30.6	32.3	33.9	33.6	33.2	33.9	34.6
50°	21.4	23.3	25.3	27.3	29.2	31.1	32.7	32.5	32.2	33.0	33.7
52.5°	19.8	21.8	23.9	25.9	27.8	29.4	30.8	30.6	30.5	31.3	32.3
55°	18.3	20.1	22.1	23.9	25.7	27.4	28.9	28.7	28.4	29.1	29.8
57.5°	16.6	18.4	20.1	21.9	23.6	25.0	26.3	25.9	25.4	26.3	27.1
60°	14.8	16.4	18.1	19.7	21.4	22.5	23.5	23.2	22.8	23.6	24.4
62.5°	13.1	14.6	16.2	17.6	19.1	20.0	20.8	20.5	20.2	21.1	22.1
65°	11.8	13.1	14.2	15.5	16.6	17.4	18.3	17.8	17.4	18.4	19.3
67.5°	10.5	11.5	12.6	13.6	14.6	15.3	16.0	15.7	15.3	16.0	16.7
70°	9.0	10.0	11.0	11.8	12.8	13.5	14.2	13.8	13.2	13.9	14.6
72.5°	7.6	8.4	9.3	10.0	10.8	11.4	11.9	11.5	11.1	11.7	12.2
75°	6.6	7.3	8.0	8.6	9.3	9.6	9.8	9.7	9.4	10.0	10.4
77.5°	5.3	5.9	6.6	7.2	7.7	7.7	7.7	7.9	7.9	8.4	9.1
80°	2.8	3.4	3.9	4.4	4.9	4.9	4.8	5.1	5.2	5.9	6.6
82.5°	0.0	0.4	0.8	1.3	1.7	1.5	1.3	1.4	1.4	1.7	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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: P366611

CATALOG NUMBER: MSA-SA1A-727-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: P366611

CATALOG NUMBER: MSA-SA1A-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0
2.5°	316.9	315.2	314.0	313.1	311.9	310.8	312.2	313.6	314.9	316.3	320.5
5°	315.0	315.0	314.0	313.1	312.1	311.1	313.2	315.2	317.3	319.2	319.1
7.5°	250.8	250.3	256.2	261.9	267.8	273.6	275.1	276.7	278.1	279.6	279.2
10°	217.9	225.7	228.2	230.7	233.3	235.8	238.9	242.0	245.1	248.1	249.3
12.5°	190.8	195.6	203.7	211.8	219.9	227.9	232.0	236.2	240.3	244.4	252.4
15°	157.2	162.0	169.0	176.1	183.1	190.1	196.6	203.2	209.6	216.1	225.8
17.5°	110.6	114.7	120.0	125.3	130.5	135.9	145.9	155.8	165.8	175.8	186.0
20°	75.9	76.7	79.2	81.9	84.4	87.0	96.0	105.1	114.1	123.1	136.6
22.5°	61.8	62.2	63.5	64.8	65.9	67.2	71.8	76.6	81.2	85.9	96.8
25°	54.8	54.8	55.6	56.5	57.3	58.2	60.7	63.2	65.6	68.1	75.2
27.5°	48.6	47.9	49.2	50.4	51.7	53.0	54.8	56.8	58.6	60.4	65.2
30°	46.5	45.8	47.4	48.9	50.4	52.0	53.8	55.6	57.3	59.2	62.4
32.5°	49.3	49.5	50.0	50.6	51.0	51.6	52.4	53.4	54.2	55.1	57.9
35°	39.2	39.2	40.2	41.2	42.0	43.0	44.5	46.1	47.6	49.2	52.1
37.5°	38.1	38.4	39.2	40.2	41.0	41.9	43.8	45.9	47.9	49.9	52.3
40°	37.0	37.2	38.4	39.5	40.6	41.7	43.7	45.5	47.5	49.3	51.6
42.5°	36.5	36.8	38.2	39.8	41.2	42.6	44.3	45.9	47.5	49.2	52.3
45°	36.0	36.5	38.2	40.0	41.7	43.4	45.0	46.5	48.1	49.6	53.4
47.5°	35.1	35.8	37.8	39.6	41.6	43.4	46.4	49.5	52.4	55.4	57.2
50°	34.6	35.3	37.4	39.5	41.6	43.7	48.5	53.3	57.9	62.7	61.7
52.5°	33.2	34.0	36.7	39.3	42.0	44.7	48.9	53.1	57.3	61.5	59.6
55°	30.5	31.2	34.3	37.4	40.3	43.4	46.5	49.6	52.6	55.6	53.4
57.5°	27.8	28.7	31.6	34.6	37.4	40.3	41.9	43.4	45.0	46.5	45.7
60°	25.3	26.1	30.1	34.0	37.9	41.9	40.5	39.1	37.5	36.1	37.1
62.5°	22.9	23.7	27.5	31.2	35.0	38.6	36.7	34.7	32.7	30.8	32.3
65°	20.2	21.1	22.5	24.0	25.4	26.8	26.7	26.4	26.3	26.0	27.7
67.5°	17.4	18.1	18.8	19.7	20.4	21.1	21.5	22.1	22.5	22.9	24.3
70°	15.2	15.9	16.7	17.4	18.3	19.0	19.3	19.5	19.7	20.0	21.2
72.5°	12.6	13.2	14.3	15.5	16.4	17.6	17.7	17.7	17.8	17.8	18.8
75°	11.0	11.4	12.2	13.1	13.8	14.6	15.0	15.5	15.7	16.2	16.7
77.5°	9.7	10.3	10.5	10.7	11.0	11.1	11.4	11.7	11.9	12.2	12.4
80°	7.2	7.9	8.1	8.3	8.6	8.7	8.7	8.6	8.6	8.4	8.6
82.5°	2.2	2.5	3.0	3.4	3.8	4.2	4.4	4.5	4.5	4.6	4.5
85°	0.4	0.6	0.8	1.1	1.3	1.5	1.4	1.1	1.0	0.7	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P366611

CATALOG NUMBER: MSA-SA1A-727-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: P366611

CATALOG NUMBER: MSA-SA1A-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0
2.5°	324.7	328.8	333.0	331.3	329.6	328.0	326.3	326.6	327.0	327.3	327.5
5°	319.0	318.7	318.5	323.3	328.2	333.0	337.8	343.0	348.3	353.5	358.7
7.5°	278.8	278.2	277.8	284.0	290.2	296.3	302.5	309.7	317.0	324.2	331.3
10°	250.4	251.5	252.6	255.2	257.8	260.4	262.9	269.8	276.7	283.4	290.3
12.5°	260.4	268.2	276.2	277.8	279.2	280.7	282.1	283.1	284.1	285.1	286.1
15°	235.6	245.3	255.0	259.1	263.0	267.1	271.0	281.4	291.7	302.1	312.4
17.5°	196.3	206.4	216.7	228.9	241.1	253.3	265.6	276.8	288.1	299.3	310.5
20°	150.2	163.7	177.2	192.6	208.2	223.7	239.2	250.4	261.5	272.7	283.8
22.5°	107.9	118.9	129.8	148.5	167.1	185.8	204.3	223.8	243.5	263.0	282.6
25°	82.2	89.1	96.1	114.5	132.9	151.2	169.6	196.4	223.3	250.1	277.0
27.5°	69.8	74.6	79.2	95.8	112.4	128.9	145.4	177.3	209.2	241.1	273.0
30°	65.8	69.0	72.2	86.3	100.5	114.5	128.6	160.9	193.2	225.5	257.8
32.5°	60.7	63.4	66.2	78.5	90.9	103.1	115.5	147.1	178.7	210.2	241.8
35°	54.9	57.9	60.7	73.1	85.4	97.7	110.0	142.8	175.5	208.2	241.0
37.5°	54.5	56.9	59.2	73.5	88.0	102.3	116.6	149.4	182.1	214.7	247.4
40°	54.0	56.2	58.5	73.1	87.5	102.2	116.6	150.9	185.2	219.5	253.8
42.5°	55.4	58.3	61.4	74.3	87.3	100.0	113.0	149.1	185.2	221.2	257.3
45°	57.3	61.1	64.9	76.7	88.5	100.3	112.1	151.3	190.5	229.6	268.8
47.5°	59.2	61.0	62.8	74.1	85.2	96.4	107.5	147.5	187.6	227.6	267.7
50°	60.8	59.9	58.9	71.2	83.6	95.8	108.2	146.4	184.5	222.7	260.8
52.5°	57.5	55.5	53.4	66.6	79.8	92.9	106.1	144.6	183.1	221.6	260.1
55°	51.1	48.9	46.7	59.7	72.6	85.7	98.6	137.0	175.4	213.7	252.1
57.5°	44.7	43.8	42.9	52.8	62.8	72.6	82.6	125.2	167.9	210.5	253.1
60°	38.1	38.9	39.9	47.1	54.2	61.3	68.4	110.2	151.8	193.5	235.1
62.5°	33.7	35.3	36.7	42.7	48.9	54.9	61.0	100.3	139.7	179.0	218.4
65°	29.5	31.2	32.9	40.0	47.4	54.5	61.7	95.0	128.3	161.6	194.9
67.5°	25.7	27.0	28.4	37.8	47.2	56.6	66.0	93.3	120.4	147.7	174.8
70°	22.5	23.6	24.9	35.8	46.8	57.8	68.7	91.9	115.2	138.4	161.6
72.5°	19.8	20.8	21.8	32.9	44.0	55.1	66.2	86.8	107.4	128.0	148.5
75°	17.3	17.7	18.3	27.7	37.0	46.4	55.6	69.4	83.3	97.1	110.9
77.5°	12.5	12.5	12.6	15.5	18.1	20.9	23.6	32.2	40.7	49.2	57.8
80°	8.6	8.7	8.7	9.8	10.8	11.9	12.9	14.8	16.4	18.3	20.0
82.5°	4.4	4.1	3.9	5.1	6.2	7.3	8.4	8.9	9.1	9.6	9.8
85°	0.4	0.1	0.0	0.7	1.4	2.1	2.8	3.4	3.9	4.5	5.1
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: P366611

CATALOG NUMBER: MSA-SA1A-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P366611

CATALOG NUMBER: MSA-SA1A-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0
2.5°	326.4	325.3	324.2	323.0	329.9	336.9	343.8	350.7	370.3	383.0	381.6
5°	363.8	368.8	373.9	379.0	387.1	395.4	403.6	411.7	440.6	458.4	460.9
7.5°	339.2	346.9	354.8	362.5	378.3	393.9	409.6	425.2	448.9	467.3	477.7
10°	299.2	308.0	316.7	325.6	343.3	361.1	378.8	396.5	423.2	448.7	461.7
12.5°	300.0	313.9	327.8	341.7	357.2	372.6	388.0	403.4	419.7	428.3	446.7
15°	323.3	334.3	345.2	356.2	376.4	396.7	416.8	437.0	446.7	467.3	488.8
17.5°	331.9	353.4	374.7	396.1	421.4	446.5	471.8	497.0	515.3	543.9	566.1
20°	316.0	348.2	380.2	412.4	447.1	481.8	516.5	551.2	571.2	598.4	632.7
22.5°	316.7	350.9	384.9	419.0	466.9	514.7	562.6	610.4	663.9	716.5	733.2
25°	321.6	366.3	410.9	455.5	510.9	566.3	621.6	677.0	741.6	796.8	819.0
27.5°	323.3	373.6	423.8	474.1	552.8	631.5	710.2	788.8	866.0	928.4	952.1
30°	319.2	380.8	442.2	503.6	600.1	696.7	793.2	889.7	962.9	1035.6	1065.1
32.5°	320.2	398.6	477.0	555.4	669.1	782.9	896.6	1010.3	1057.1	1122.6	1174.5
35°	327.0	413.0	498.8	584.8	710.6	836.3	962.1	1087.9	1164.6	1233.7	1277.8
37.5°	342.7	438.0	533.1	628.4	782.9	937.6	1092.2	1246.8	1365.5	1484.2	1504.5
40°	354.4	455.0	555.6	656.2	835.6	1015.1	1194.5	1373.9	1508.3	1637.1	1650.9
42.5°	367.6	477.7	588.0	698.2	898.9	1099.5	1300.2	1500.8	1656.4	1787.7	1796.9
45°	382.1	495.4	608.7	722.0	932.2	1142.2	1352.4	1562.5	1744.2	1896.8	1862.4
47.5°	388.9	510.2	631.5	752.7	978.1	1203.4	1428.7	1654.0	1817.0	1951.6	1911.4
50°	394.3	527.6	661.1	794.5	1030.8	1267.1	1503.5	1739.8	1903.2	2027.5	1964.5
52.5°	409.3	558.4	707.6	856.7	1108.1	1359.3	1610.7	1861.9	2020.0	2134.1	2045.9
55°	423.9	595.6	767.5	939.2	1209.5	1480.0	1750.4	2020.7	2178.1	2275.9	2156.0
57.5°	442.3	631.7	821.0	1010.3	1299.5	1588.6	1877.7	2166.8	2320.7	2428.8	2304.3
60°	437.6	639.9	842.4	1044.7	1339.2	1633.7	1928.3	2222.8	2405.6	2538.4	2453.9
62.5°	419.0	619.7	820.2	1020.8	1310.1	1599.3	1888.6	2177.8	2396.9	2576.7	2548.3
65°	381.5	568.0	754.6	941.0	1217.3	1493.7	1769.9	2046.1	2316.5	2545.4	2555.5
67.5°	332.2	489.5	646.8	804.2	1061.9	1319.6	1577.1	1834.8	2153.9	2420.9	2451.0
70°	279.9	398.1	516.4	634.6	861.3	1088.1	1314.8	1541.6	1873.3	2142.0	2198.7
72.5°	224.4	300.4	376.3	452.2	615.9	779.4	943.1	1106.7	1398.5	1607.0	1706.1
75°	145.4	180.0	214.6	249.1	358.2	467.1	576.1	685.0	878.8	1032.3	1144.3
77.5°	64.8	71.8	78.7	85.7	169.9	254.0	338.2	422.4	506.5	599.3	625.6
80°	23.2	26.3	29.5	32.6	73.9	115.4	156.7	198.0	238.7	286.6	298.3
82.5°	9.7	9.7	9.6	9.4	24.2	38.9	53.7	68.4	79.1	90.9	93.2
85°	3.9	3.0	1.8	0.7	3.1	5.6	8.0	10.4	16.7	15.2	28.1
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: P366611
 CATALOG NUMBER: MSA-SA1A-727-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: P366611

CATALOG NUMBER: MSA-SA1A-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0
2.5°	376.3	376.0	375.7	375.5	375.2	370.1	365.2	360.1	355.2	361.4	367.6
5°	456.8	464.1	471.4	478.9	486.2	488.3	490.4	492.5	494.6	499.1	503.6
7.5°	486.5	498.8	511.0	523.4	535.6	547.0	558.3	569.6	581.0	578.2	575.4
10°	476.2	498.5	520.9	543.4	565.7	570.6	575.5	580.6	585.5	598.3	611.1
12.5°	465.1	491.9	518.8	545.6	572.4	587.3	602.1	617.0	631.9	644.8	657.7
15°	517.8	534.9	552.1	569.4	586.5	599.6	612.5	625.6	638.5	647.5	656.3
17.5°	587.1	595.5	603.9	612.5	620.9	631.2	641.4	651.7	662.0	667.3	672.6
20°	660.3	663.9	667.6	671.2	674.9	666.7	658.6	650.4	642.3	647.3	652.3
22.5°	733.8	735.0	736.4	737.7	739.0	720.0	701.0	682.0	663.1	655.1	647.1
25°	846.9	837.6	828.3	819.0	809.8	787.3	764.8	742.3	719.8	700.0	680.2
27.5°	969.4	937.9	906.6	875.1	843.8	821.3	798.8	776.3	753.9	724.1	694.3
30°	1092.9	1042.2	991.6	940.9	890.3	863.6	836.9	810.1	783.4	753.6	723.9
32.5°	1206.2	1145.2	1084.2	1023.1	962.1	917.1	872.2	827.2	782.2	761.4	740.6
35°	1300.0	1227.9	1155.9	1083.6	1011.6	967.0	922.5	877.9	833.4	802.5	771.7
37.5°	1460.5	1379.4	1298.3	1217.3	1136.2	1075.3	1014.6	953.8	893.0	872.3	851.6
40°	1608.4	1506.3	1404.1	1302.0	1199.8	1148.8	1098.0	1047.0	996.1	962.2	928.5
42.5°	1726.1	1618.4	1510.9	1403.3	1295.7	1245.2	1194.9	1144.5	1094.0	1071.4	1048.9
45°	1751.5	1650.0	1548.7	1447.3	1345.8	1316.5	1287.2	1257.9	1228.6	1213.0	1197.6
47.5°	1801.7	1691.6	1581.8	1471.7	1361.7	1348.5	1335.3	1321.9	1308.7	1316.2	1323.6
50°	1829.8	1717.5	1605.2	1492.9	1380.7	1384.5	1388.1	1391.9	1395.7	1448.5	1501.2
52.5°	1884.3	1770.9	1657.5	1544.1	1430.7	1454.6	1478.3	1502.2	1526.0	1598.8	1671.4
55°	1981.7	1870.2	1758.8	1647.2	1535.8	1567.3	1598.8	1630.4	1661.8	1739.1	1816.3
57.5°	2126.0	2015.4	1904.9	1794.3	1683.9	1715.2	1746.6	1777.9	1809.2	1879.1	1948.8
60°	2307.6	2194.1	2080.7	1967.2	1853.8	1865.6	1877.3	1889.1	1900.9	1975.9	2050.8
62.5°	2449.1	2344.7	2240.5	2136.1	2031.8	2018.7	2005.8	1992.8	1979.8	2036.9	2093.8
65°	2482.0	2408.5	2335.2	2261.7	2188.2	2148.0	2108.0	2067.8	2027.6	2050.6	2073.7
67.5°	2387.9	2338.3	2288.8	2239.2	2189.6	2105.7	2021.8	1937.8	1853.9	1841.7	1829.5
70°	2169.4	2142.3	2115.3	2088.2	2061.2	1931.9	1802.8	1673.5	1544.4	1513.3	1482.3
72.5°	1711.9	1728.7	1745.6	1762.6	1779.5	1641.0	1502.8	1364.4	1226.0	1186.6	1147.4
75°	1207.1	1264.3	1321.5	1378.7	1435.9	1309.7	1183.7	1057.5	931.3	893.5	855.9
77.5°	654.5	761.7	868.9	976.1	1083.4	979.2	875.3	771.1	667.0	640.7	614.6
80°	310.3	372.1	433.8	495.6	557.4	533.9	510.5	486.9	463.4	469.2	474.9
82.5°	95.1	139.8	184.5	229.2	273.9	277.4	280.7	284.3	287.8	296.5	305.1
85°	31.9	43.7	55.5	67.3	79.1	99.9	120.7	141.6	162.4	148.9	135.6
87.5°	0.0	0.4	0.7	1.1	1.4	4.4	7.3	10.3	13.2	11.4	9.7
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

REPORT NUMBER: P366611

CATALOG NUMBER: MSA-SA1A-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P366611

CATALOG NUMBER: MSA-SA1A-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0
2.5°	373.9	380.1	380.2	380.5	380.6	380.8	381.5	382.2	383.0	383.7	379.1
5°	508.2	512.7	504.4	496.2	487.7	479.4	486.9	494.3	501.8	509.2	506.0
7.5°	572.4	569.6	568.7	567.8	566.8	566.0	568.8	571.6	574.4	577.2	576.9
10°	623.9	636.7	639.8	642.8	646.1	649.2	642.7	636.2	629.8	623.3	620.6
12.5°	670.7	683.6	693.9	704.1	714.5	724.8	715.5	706.4	697.1	688.0	679.2
15°	665.3	674.2	682.6	691.0	699.5	707.9	704.8	701.9	698.8	695.7	694.3
17.5°	678.1	683.5	681.5	679.5	677.4	675.4	674.5	673.6	672.6	671.7	668.3
20°	657.3	662.4	661.1	660.0	658.7	657.5	656.6	655.8	654.9	654.1	651.4
22.5°	639.1	631.0	628.9	627.0	624.9	622.9	623.2	623.5	623.6	623.9	636.0
25°	660.4	640.6	632.9	625.1	617.3	609.5	613.1	616.4	619.9	623.5	640.9
27.5°	664.3	634.6	622.2	609.8	597.5	585.1	597.7	610.4	623.0	635.7	663.9
30°	694.1	664.5	647.2	630.1	612.8	595.6	611.8	628.0	644.1	660.3	690.9
32.5°	719.7	698.9	686.5	674.2	661.8	649.5	650.2	650.7	651.4	652.1	695.3
35°	740.8	710.0	698.8	687.7	676.4	665.3	682.0	698.8	715.5	732.2	771.0
37.5°	831.0	810.3	789.7	769.2	748.5	728.0	741.3	754.7	768.2	781.5	824.4
40°	894.6	860.9	855.6	850.4	845.0	839.8	846.7	853.5	860.4	867.2	904.8
42.5°	1026.3	1003.7	989.2	974.9	960.4	946.1	951.6	957.0	962.7	968.1	1003.7
45°	1182.0	1166.4	1156.8	1147.3	1137.6	1128.0	1119.7	1111.6	1103.3	1095.2	1131.3
47.5°	1331.1	1338.5	1359.6	1380.5	1401.6	1422.6	1405.4	1388.3	1371.0	1353.8	1354.0
50°	1554.1	1606.8	1617.4	1628.0	1638.7	1649.2	1612.7	1576.1	1539.5	1502.9	1498.6
52.5°	1744.2	1816.8	1820.6	1824.4	1828.4	1832.1	1817.4	1802.6	1787.7	1773.0	1733.8
55°	1893.6	1970.7	1975.9	1980.9	1986.1	1991.2	1978.3	1965.5	1952.6	1939.6	1900.0
57.5°	2018.6	2088.3	2091.4	2094.3	2097.4	2100.5	2101.5	2102.5	2103.6	2104.6	2051.1
60°	2125.8	2200.9	2194.7	2188.6	2182.4	2176.4	2167.1	2157.9	2148.6	2139.3	2104.7
62.5°	2150.8	2207.9	2198.3	2188.9	2179.4	2169.9	2162.1	2154.3	2146.5	2138.6	2116.5
65°	2096.7	2119.8	2109.9	2100.1	2090.1	2080.3	2075.2	2070.3	2065.3	2060.2	2057.4
67.5°	1817.1	1804.9	1816.5	1828.2	1839.9	1851.5	1867.4	1883.3	1899.3	1915.2	1905.9
70°	1451.1	1420.0	1432.9	1445.7	1458.7	1471.4	1495.5	1519.5	1543.7	1567.7	1561.2
72.5°	1108.1	1068.7	1070.6	1072.4	1074.4	1076.2	1075.5	1074.9	1074.2	1073.5	1084.8
75°	818.1	780.3	762.4	744.6	726.7	708.9	704.5	700.2	695.8	691.5	712.4
77.5°	588.3	562.2	550.0	537.9	525.7	513.6	519.8	525.9	532.3	538.4	545.8
80°	480.8	486.6	477.2	467.9	458.5	449.1	456.1	463.0	470.0	477.0	455.3
82.5°	313.8	322.3	293.4	264.4	235.5	206.6	224.1	241.7	259.4	277.0	268.0
85°	122.1	108.8	92.7	76.9	60.8	44.8	58.3	71.8	85.3	98.8	107.8
87.5°	7.9	6.2	4.9	3.7	2.2	1.0	2.1	3.2	4.5	5.6	9.4
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: P366611
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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: P366611

CATALOG NUMBER: MSA-SA1A-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0	297.0
2.5°	374.6	370.0	365.5	356.6	347.8	338.9	330.1	342.4	354.8	367.2	379.5
5°	502.9	499.7	496.6	497.4	498.3	499.2	500.1	501.9	503.7	505.4	507.3
7.5°	576.8	576.5	576.2	569.8	563.3	556.7	550.2	553.5	556.7	559.9	563.2
10°	618.1	615.4	612.8	598.6	584.4	570.1	555.9	549.7	543.4	537.2	531.0
12.5°	670.5	661.7	653.0	637.8	622.8	607.6	592.4	586.8	581.0	575.4	569.6
15°	693.0	691.6	690.3	679.5	668.6	657.7	646.8	627.5	608.1	588.9	569.6
17.5°	664.9	661.4	658.0	675.2	692.2	709.3	726.5	706.5	686.5	666.6	646.6
20°	648.7	646.1	643.4	675.3	707.1	739.0	770.7	761.9	752.9	744.0	735.2
22.5°	648.0	660.3	672.4	700.3	728.1	756.1	783.9	799.2	814.7	830.0	845.3
25°	658.3	675.9	693.3	739.7	786.0	832.5	878.9	896.5	913.9	931.5	948.9
27.5°	692.0	720.3	748.4	788.8	829.3	869.9	910.4	948.7	987.2	1025.6	1064.0
30°	721.4	752.0	782.7	830.9	878.9	927.1	975.2	1023.2	1071.3	1119.3	1167.4
32.5°	738.4	781.7	824.8	883.4	941.9	1000.5	1059.0	1111.7	1164.4	1217.0	1269.7
35°	809.8	848.7	887.5	952.3	1017.0	1081.9	1146.7	1211.9	1277.1	1342.2	1407.4
37.5°	867.2	910.2	953.1	1023.9	1094.6	1165.4	1236.2	1326.3	1416.5	1506.6	1596.6
40°	942.3	979.8	1017.3	1083.6	1149.8	1216.1	1282.5	1396.7	1510.9	1625.0	1739.3
42.5°	1039.1	1074.6	1110.2	1181.2	1252.1	1323.1	1394.0	1520.5	1647.0	1773.3	1899.7
45°	1167.4	1203.6	1239.7	1296.2	1352.7	1409.2	1465.7	1600.2	1734.5	1869.0	2003.3
47.5°	1354.1	1354.3	1354.4	1395.2	1435.9	1476.8	1517.5	1653.0	1788.3	1923.8	2059.1
50°	1494.2	1489.7	1485.4	1506.4	1527.4	1548.5	1569.5	1694.2	1818.9	1943.6	2068.2
52.5°	1694.7	1655.5	1616.5	1629.0	1641.3	1653.8	1666.2	1771.7	1877.4	1982.9	2088.4
55°	1860.5	1820.9	1781.3	1776.6	1772.0	1767.4	1762.7	1859.8	1956.9	2054.0	2151.1
57.5°	1997.7	1944.1	1890.7	1880.1	1869.5	1858.8	1848.2	1950.6	2052.9	2155.3	2257.6
60°	2070.3	2035.7	2001.2	1994.3	1987.3	1980.4	1973.4	2057.4	2141.4	2225.4	2309.5
62.5°	2094.6	2072.6	2050.6	2063.6	2076.5	2089.6	2102.5	2139.4	2176.3	2213.2	2250.0
65°	2054.7	2051.9	2049.1	2075.7	2102.1	2128.6	2155.2	2146.1	2136.8	2127.6	2118.5
67.5°	1896.8	1887.5	1878.4	1936.7	1994.9	2053.2	2111.5	2067.2	2022.8	1978.6	1934.3
70°	1554.8	1548.2	1541.7	1625.7	1709.8	1793.9	1878.0	1824.3	1770.6	1716.9	1663.2
72.5°	1095.9	1107.1	1118.3	1217.4	1316.3	1415.4	1514.3	1460.2	1406.1	1352.0	1297.9
75°	733.2	754.1	775.1	877.1	979.1	1081.2	1183.3	1119.7	1056.2	992.7	929.2
77.5°	553.1	560.4	567.7	632.2	696.7	761.3	825.8	773.4	720.8	668.4	615.9
80°	433.5	411.6	389.8	411.0	432.2	453.4	474.7	443.3	412.0	380.8	349.5
82.5°	259.0	250.0	241.0	252.5	263.9	275.4	286.9	273.4	259.8	246.3	232.7
85°	116.6	125.6	134.5	146.1	157.7	169.3	181.0	162.2	143.3	124.5	105.7
87.5°	13.1	16.9	20.7	25.6	30.5	35.4	40.3	31.5	22.5	13.6	4.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	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°	297.0	297.0
2.5°	386.7	393.9
5°	507.1	506.8
7.5°	554.7	546.2
10°	523.1	515.3
12.5°	549.5	529.5
15°	554.5	539.3
17.5°	621.9	597.0
20°	703.3	671.2
22.5°	801.5	757.5
25°	896.6	844.3
27.5°	1032.6	1001.2
30°	1135.6	1103.7
32.5°	1248.0	1226.4
35°	1385.9	1364.2
37.5°	1602.3	1607.7
40°	1742.6	1746.0
42.5°	1912.8	1925.9
45°	2017.9	2032.5
47.5°	2079.4	2099.8
50°	2101.1	2134.0
52.5°	2129.0	2169.5
55°	2196.2	2241.3
57.5°	2293.6	2329.6
60°	2311.2	2312.8
62.5°	2224.0	2198.0
65°	2090.8	2063.1
67.5°	1917.6	1900.7
70°	1641.0	1618.8
72.5°	1256.6	1215.3
75°	878.1	826.9
77.5°	589.0	562.2
80°	350.3	351.0
82.5°	239.2	245.5
85°	104.4	103.0
87.5°	3.4	1.8
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)