

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: P368459

Luminaire Tested: **MSA-SA4C-727-U-SLR-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P368459
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-SA4C-727-U-SLR-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (4) 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: 14679 lumens
Efficiency: N/A
Efficacy: 65.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

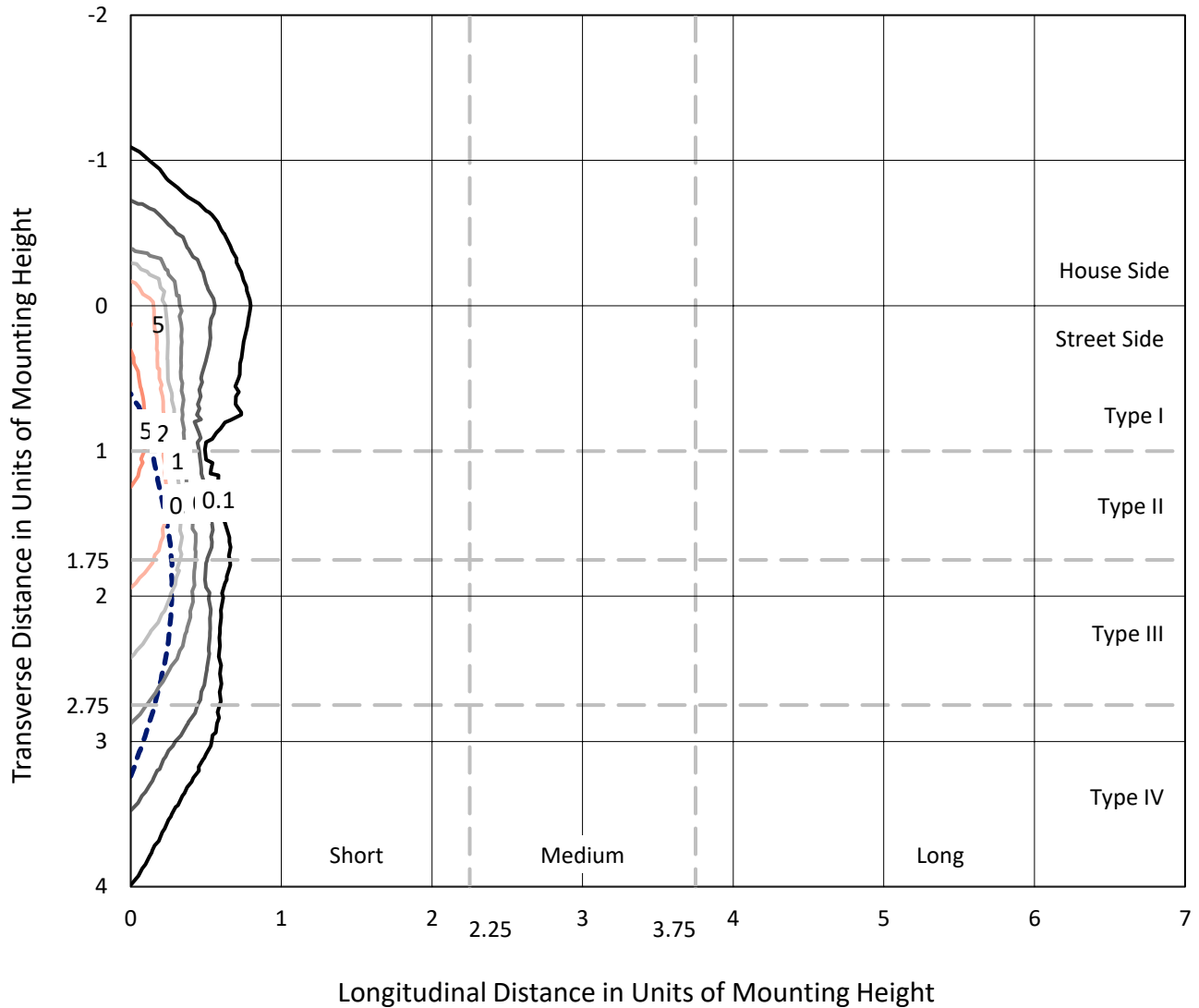
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

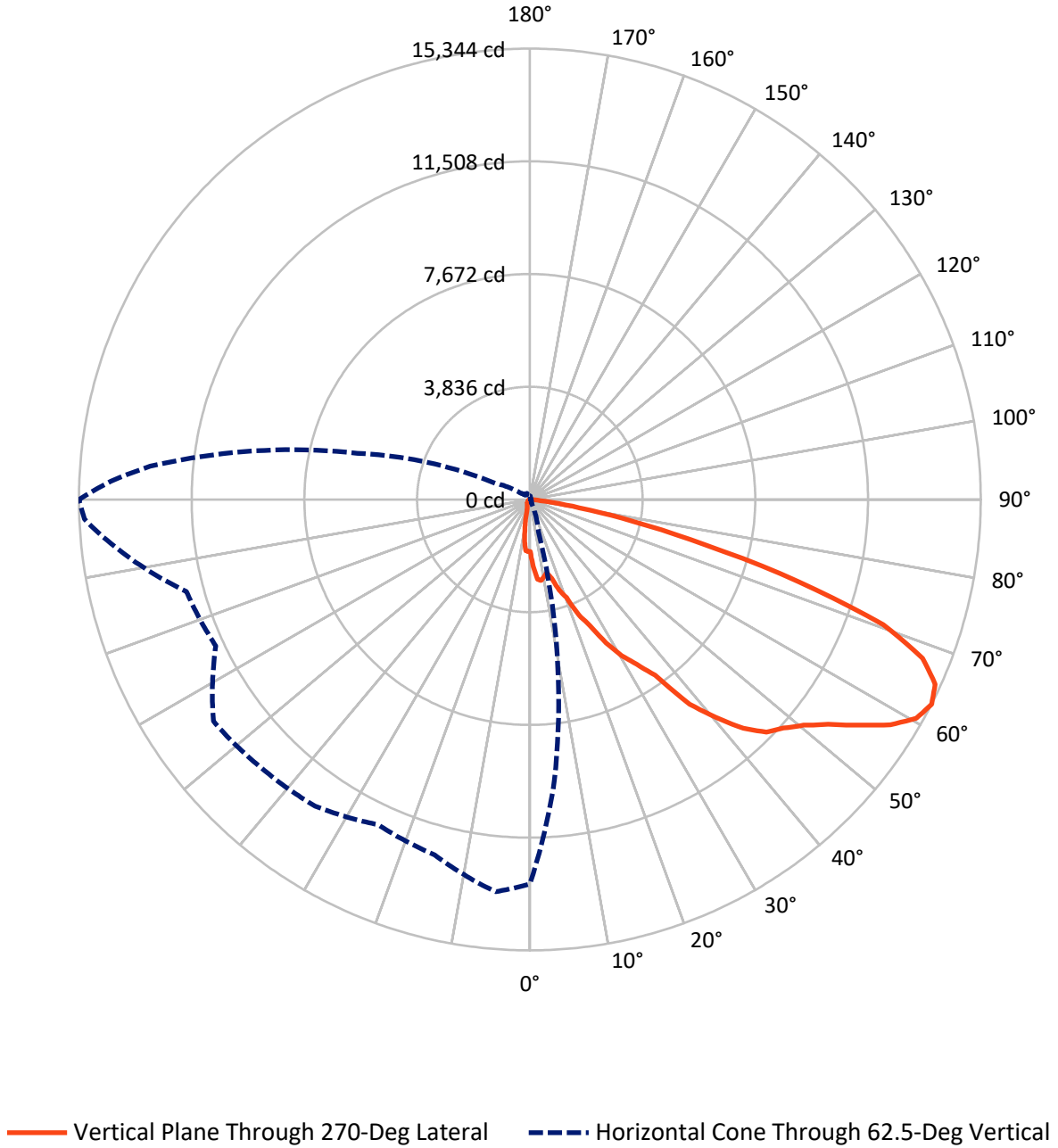
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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	2451.2	0.0	2451.2
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	12227.8	0.0	12227.8
	% Fixture	83.3	0.0	83.3
Total	Lumens	14679.0	0.0	14679.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.6	1.3
10°-20°	516.3	3.5
20°-30°	834.4	5.7
30°-40°	1397.6	9.5
40°-50°	2284.7	15.6
50°-60°	3382.1	23.0
60°-70°	3882.8	26.5
70°-80°	1919.8	13.1
80°-90°	263.7	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°	14679.0	100.0
0°-180°	14679.0	100.0

Coefficient of Utilization



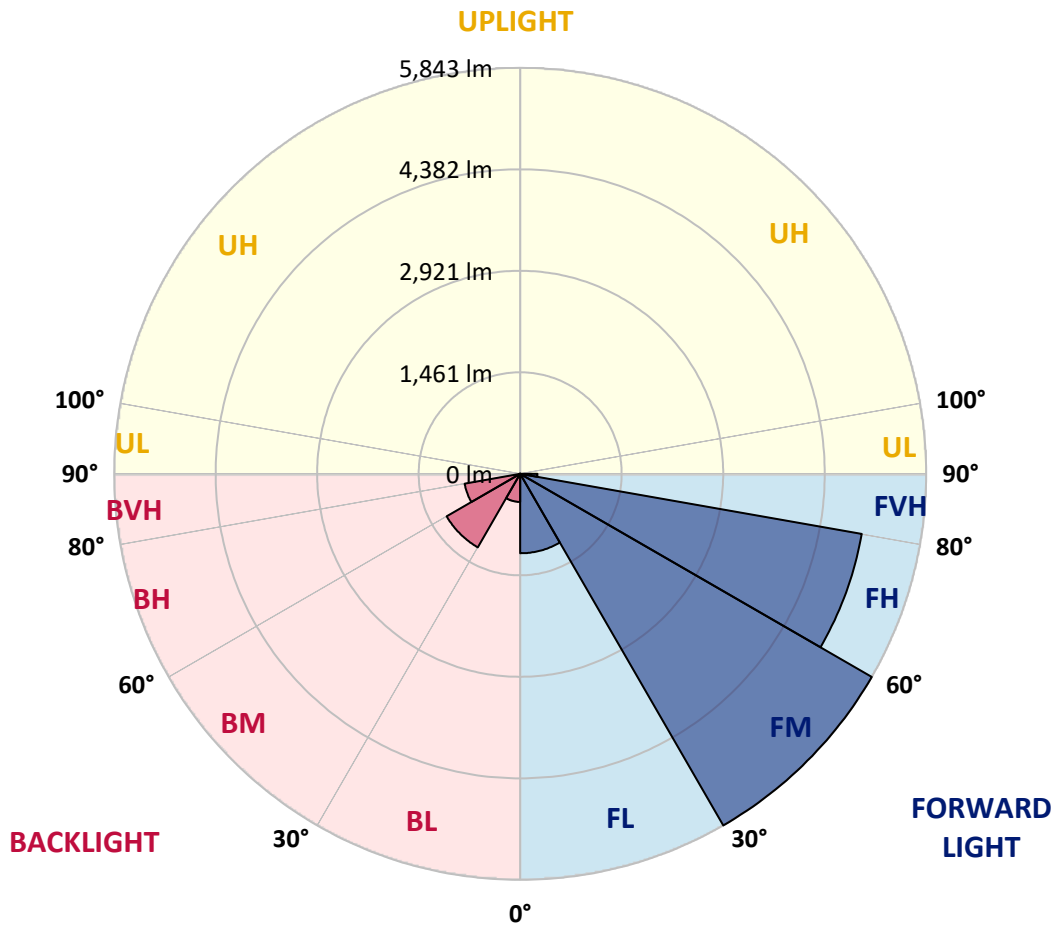
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1143.6	7.8			
FM (30°-60°)	5843.0	39.8			
FH (60°-80°)	4991.6	34.0			G2/5000
FVH (80°-90°)	249.7	1.7			G3/500
BL (0°-30°)	404.8	2.8	B1/500		
BM (30°-60°)	1221.4	8.3	B2/2500		
BH (60°-80°)	811.0	5.5	B2/1000		G2/1000
BVH (80°-90°)	14.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

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°	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9
2.5°	2345.4	2374.7	2403.1	2348.8	2294.4	2240.0	2185.6	2137.1	2088.5	2039.2	1990.6
5°	3018.2	2964.6	2911.1	2837.4	2763.8	2690.1	2616.5	2582.2	2547.9	2513.6	2479.3
7.5°	3252.4	3157.1	3060.8	2995.6	2931.1	2865.9	2800.6	2697.7	2593.9	2491.0	2387.2
10°	3068.4	2967.1	2865.0	2808.1	2751.2	2694.3	2637.4	2509.4	2380.6	2252.5	2123.7
12.5°	3152.9	3043.3	2933.6	2816.5	2699.4	2582.2	2465.1	2367.2	2268.4	2170.5	2071.8
15°	3211.4	3085.9	2959.6	2825.7	2691.8	2557.9	2424.1	2308.6	2194.0	2078.5	1963.0
17.5°	3555.3	3375.4	3195.5	2989.7	2783.9	2578.0	2372.2	2238.3	2105.3	1971.4	1837.5
20°	3997.2	3741.9	3485.9	3207.3	2928.6	2650.0	2371.3	2204.8	2038.3	1871.8	1705.3
22.5°	4510.9	4192.1	3872.5	3528.6	3185.5	2841.6	2497.7	2258.4	2019.1	1779.8	1540.5
25°	5028.0	4740.2	4452.3	3989.6	3526.9	3063.3	2600.6	2296.9	1992.3	1688.6	1384.0
27.5°	5961.8	5447.2	4932.6	4343.6	3755.3	3166.3	2577.2	2229.1	1881.0	1532.1	1184.0
30°	6572.7	6176.9	5780.3	5002.1	4224.7	3446.6	2668.4	2227.4	1786.5	1344.7	903.7
32.5°	7303.1	6724.1	6144.3	5300.0	4455.7	3611.4	2767.1	2249.2	1730.4	1212.4	693.7
35°	8124.0	7493.9	6863.9	5794.5	4725.1	3654.9	2585.6	2083.5	1581.5	1079.4	577.4
37.5°	9574.1	8519.8	7465.5	6218.7	4971.1	3724.4	2476.8	1975.6	1473.5	972.3	470.3
40°	10397.4	9390.8	8384.2	6826.2	5268.2	3710.1	2152.1	1707.0	1262.7	817.5	372.4
42.5°	11468.5	10191.6	8913.9	7172.6	5431.3	3690.1	1948.8	1537.1	1125.4	712.9	301.2
45°	12103.6	10656.8	9210.1	7323.2	5436.4	3549.5	1662.6	1306.2	949.7	593.3	236.8
47.5°	12504.4	11053.5	9602.5	7576.8	5551.8	3526.1	1500.3	1172.3	844.3	516.3	188.3
50°	12707.7	11252.6	9796.7	7714.8	5633.0	3550.3	1468.5	1142.2	815.0	488.7	161.5
52.5°	12919.4	11516.2	10112.1	7954.1	5796.2	3638.2	1480.2	1147.2	815.0	482.0	148.9
55°	13347.0	11963.0	10578.2	8297.2	6016.2	3735.2	1454.3	1126.3	798.3	469.4	141.4
57.5°	13872.5	12393.1	10912.9	8548.2	6183.6	3818.9	1454.3	1124.6	794.9	464.4	134.7
60°	13772.9	12167.2	10560.6	8266.2	5971.9	3676.7	1382.3	1068.5	755.6	441.8	128.0
62.5°	13089.3	11346.3	9602.5	7482.2	5361.1	3240.7	1119.6	869.4	619.2	368.2	118.0
65°	12286.0	10435.9	8585.0	6633.7	4681.6	2730.3	778.2	610.8	442.6	275.3	107.1
67.5°	11318.7	9345.7	7372.6	5637.2	3902.6	2167.2	431.8	348.1	264.4	179.9	96.2
70°	9640.2	7603.5	5566.1	4232.3	2899.3	1565.6	231.8	195.8	159.8	123.8	87.9
72.5°	7237.0	5371.1	3505.1	2662.5	1820.8	978.2	135.6	122.2	107.9	94.6	80.3
75°	4924.3	3526.1	2127.9	1619.9	1112.9	605.0	97.1	90.4	82.8	76.1	68.6
77.5°	3347.8	2421.6	1495.3	1141.3	787.4	433.4	79.5	75.3	71.1	66.1	61.9
80°	2090.2	1430.8	771.5	594.1	415.9	238.5	60.2	57.7	55.2	51.9	49.4
82.5°	1461.8	874.4	287.0	224.2	161.5	97.9	35.1	36.0	36.8	36.8	37.7
85°	613.3	331.4	49.4	41.8	34.3	26.8	19.2	20.9	23.4	25.1	26.8
87.5°	10.9	5.9	0.0	1.7	4.2	5.9	7.5	10.0	11.7	14.2	15.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9
2.5°	2003.2	2015.7	2027.4	2040.0	2030.0	2020.7	2010.7	2000.7	1985.6	1971.4	1956.3
5°	2437.5	2395.6	2353.8	2311.9	2248.3	2184.8	2120.3	2056.7	2049.2	2041.7	2033.3
7.5°	2289.3	2191.4	2092.7	1994.8	1902.8	1810.7	1718.7	1626.6	1598.2	1570.6	1542.1
10°	2048.4	1973.1	1896.9	1821.6	1755.5	1688.6	1622.5	1555.5	1486.1	1416.6	1346.3
12.5°	1993.1	1914.5	1835.0	1756.3	1696.1	1635.8	1575.6	1515.4	1437.5	1359.7	1281.9
15°	1877.7	1792.3	1707.0	1621.6	1541.3	1461.0	1379.8	1299.5	1205.8	1112.0	1018.3
17.5°	1736.3	1635.8	1534.6	1433.4	1327.9	1222.5	1117.1	1011.6	903.7	796.6	688.6
20°	1568.1	1430.8	1292.8	1155.6	1025.0	894.5	763.1	632.6	564.8	497.9	430.1
22.5°	1363.1	1184.8	1007.4	829.2	722.1	614.2	507.1	399.1	369.8	340.6	311.3
25°	1182.3	980.7	779.0	577.4	509.6	441.8	374.0	306.3	292.9	278.6	265.2
27.5°	994.1	805.0	615.0	425.1	386.6	347.3	308.8	269.4	260.2	251.9	242.7
30°	762.3	620.9	478.6	337.2	312.1	287.0	261.1	236.0	231.8	226.8	222.6
32.5°	590.7	487.0	384.1	280.3	266.1	251.9	237.6	223.4	216.7	210.0	202.5
35°	493.7	410.8	327.2	243.5	233.5	222.6	212.5	201.7	195.0	187.4	180.7
37.5°	409.2	348.9	287.8	226.8	215.9	205.0	193.3	182.4	177.4	172.4	167.3
40°	337.2	302.1	266.9	231.8	215.9	200.0	184.1	168.2	164.0	159.8	155.6
42.5°	278.6	256.0	232.6	210.0	198.3	187.4	175.7	164.0	158.1	151.5	145.6
45°	225.1	212.5	200.8	188.3	189.1	189.9	189.9	190.8	175.7	159.8	144.8
47.5°	182.4	176.6	169.9	164.0	170.7	177.4	183.2	189.9	174.0	158.1	141.4
50°	156.5	152.3	147.3	142.2	148.9	156.5	163.2	169.9	163.2	157.3	150.6
52.5°	143.1	137.2	131.4	125.5	128.0	131.4	133.9	136.4	136.4	136.4	136.4
55°	134.7	128.9	122.2	115.5	113.0	109.6	107.1	103.8	99.6	96.2	92.0
57.5°	128.0	121.3	113.8	107.1	102.9	97.9	93.7	88.7	84.5	79.5	75.3
60°	121.3	114.6	107.1	100.4	96.2	92.0	87.0	82.8	77.8	73.6	68.6
62.5°	112.1	106.3	100.4	94.6	90.4	87.0	82.8	78.7	73.6	68.6	62.8
65°	102.1	97.9	92.9	87.9	83.7	79.5	75.3	71.1	66.1	61.9	56.9
67.5°	92.9	88.7	85.3	81.2	76.1	72.0	66.9	61.9	58.6	55.2	51.0
70°	85.3	82.0	79.5	76.1	71.1	66.9	61.9	56.9	54.4	51.0	48.5
72.5°	77.8	75.3	72.0	69.5	65.3	61.1	56.9	52.7	50.2	47.7	45.2
75°	66.9	65.3	63.6	61.9	57.7	53.6	48.5	44.3	43.5	42.7	41.8
77.5°	60.2	59.4	57.7	56.1	51.9	47.7	43.5	39.3	40.2	41.0	41.0
80°	49.4	49.4	48.5	48.5	45.2	41.8	37.7	34.3	36.0	38.5	40.2
82.5°	37.7	37.7	37.7	37.7	34.3	31.0	27.6	24.3	26.8	28.4	31.0
85°	25.9	25.1	24.3	23.4	20.9	19.2	16.7	14.2	17.6	20.1	23.4
87.5°	15.9	16.7	16.7	16.7	15.1	12.6	10.9	8.4	10.0	10.9	12.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: MSA-SA4C-727-U-SLR-HSS

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: P368459
 CATALOG NUMBER: MSA-SA4C-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9
2.5°	1941.3	1916.2	1891.1	1865.1	1840.0	1781.4	1722.9	1664.3	1605.7	1649.2	1691.9
5°	2025.8	1977.2	1927.9	1879.3	1830.0	1808.2	1787.3	1765.5	1743.8	1747.1	1751.3
7.5°	1513.7	1481.9	1450.1	1417.5	1385.7	1379.0	1373.1	1366.4	1359.7	1373.9	1387.3
10°	1276.9	1232.5	1187.3	1143.0	1097.8	1073.5	1049.3	1025.0	1000.8	998.2	994.9
12.5°	1204.1	1136.3	1069.4	1001.6	933.8	881.1	828.4	775.7	723.0	727.1	731.3
15°	924.6	856.8	789.9	722.1	654.3	611.7	568.2	525.5	482.0	469.4	456.9
17.5°	580.7	530.5	480.3	429.3	379.0	364.8	351.4	337.2	323.0	318.8	314.6
20°	362.3	340.6	318.8	296.2	274.5	271.1	267.8	264.4	261.1	263.6	266.1
22.5°	282.0	272.8	262.7	253.5	243.5	240.1	236.8	233.5	230.1	232.6	234.3
25°	251.0	244.3	237.6	230.9	224.2	220.9	216.7	213.4	209.2	210.9	213.4
27.5°	233.5	227.6	221.7	215.9	210.0	204.2	199.1	193.3	187.4	190.8	193.3
30°	217.6	210.9	205.0	198.3	191.6	185.8	179.9	173.2	167.3	170.7	174.0
32.5°	195.8	189.9	183.2	177.4	170.7	167.3	164.0	159.8	156.5	159.0	160.7
35°	173.2	168.2	164.0	159.0	154.0	150.6	148.1	144.8	141.4	142.2	143.9
37.5°	162.3	156.5	150.6	144.8	138.9	137.2	135.6	133.0	131.4	131.4	131.4
40°	151.5	145.6	139.7	133.0	127.2	124.7	122.2	119.7	117.1	117.1	117.1
42.5°	138.9	133.0	127.2	121.3	115.5	113.0	109.6	107.1	103.8	103.8	103.8
45°	128.9	123.0	118.0	112.1	106.3	102.1	97.9	92.9	88.7	87.9	87.0
47.5°	125.5	117.1	108.8	100.4	92.0	87.9	83.7	78.7	74.5	73.6	72.8
50°	143.9	127.2	110.5	93.7	77.0	73.6	70.3	66.9	63.6	61.9	61.1
52.5°	136.4	118.8	101.2	83.7	66.1	63.6	61.1	58.6	56.1	54.4	52.7
55°	87.9	80.3	73.6	66.1	58.6	56.9	55.2	52.7	51.0	49.4	47.7
57.5°	70.3	66.1	62.8	58.6	54.4	52.7	51.0	48.5	46.9	44.3	42.7
60°	63.6	60.2	56.9	53.6	50.2	48.5	46.9	45.2	43.5	41.0	39.3
62.5°	57.7	55.2	52.7	50.2	47.7	46.0	44.3	42.7	41.0	38.5	36.0
65°	51.9	50.2	48.5	46.9	45.2	43.5	41.8	39.3	37.7	35.1	32.6
67.5°	47.7	46.9	46.0	45.2	44.3	42.7	40.2	38.5	36.0	33.5	30.1
70°	45.2	45.2	45.2	44.3	44.3	42.7	40.2	38.5	36.0	32.6	30.1
72.5°	42.7	43.5	44.3	44.3	45.2	42.7	40.2	37.7	35.1	31.8	29.3
75°	41.0	41.8	42.7	42.7	43.5	41.8	40.2	37.7	36.0	32.6	29.3
77.5°	41.8	42.7	42.7	43.5	43.5	41.8	40.2	37.7	36.0	31.8	27.6
80°	41.8	41.0	40.2	38.5	37.7	34.3	31.0	26.8	23.4	18.4	14.2
82.5°	32.6	31.0	30.1	28.4	26.8	23.4	20.1	16.7	13.4	10.0	6.7
85°	25.9	24.3	23.4	21.8	20.1	17.6	14.2	11.7	8.4	6.7	4.2
87.5°	13.4	12.6	10.9	10.0	8.4	6.7	4.2	2.5	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: P368459
 CATALOG NUMBER: MSA-SA4C-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: P368459
 CATALOG NUMBER: MSA-SA4C-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°	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9
2.5°	1735.4	1778.1	1772.2	1766.4	1794.0	1821.6	1801.5	1782.3	1762.2	1742.1	1700.3
5°	1754.7	1758.0	1752.2	1745.5	1746.3	1747.1	1733.7	1720.4	1707.0	1693.6	1691.1
7.5°	1401.6	1414.9	1433.4	1450.9	1451.8	1451.8	1441.7	1431.7	1420.8	1410.8	1415.8
10°	992.4	989.0	994.1	999.1	998.2	996.6	1023.3	1050.1	1076.1	1102.8	1083.6
12.5°	734.7	738.8	717.9	697.0	704.5	711.2	715.4	719.6	723.8	728.0	739.7
15°	444.3	431.8	416.7	401.6	409.2	415.9	423.4	430.1	437.6	444.3	451.8
17.5°	309.6	305.4	298.7	291.2	292.0	292.9	293.7	294.5	294.5	295.4	297.0
20°	268.6	271.1	266.1	260.2	258.6	256.0	254.4	252.7	250.2	248.5	246.0
22.5°	236.8	238.5	239.3	239.3	236.0	231.8	228.4	225.9	222.6	219.2	217.6
25°	215.0	216.7	215.0	212.5	210.9	209.2	207.5	205.0	203.3	200.8	200.0
27.5°	196.6	199.1	199.1	198.3	196.6	194.1	189.9	186.6	182.4	178.2	179.1
30°	177.4	180.7	180.7	179.9	179.1	178.2	174.0	169.9	165.7	161.5	163.2
32.5°	163.2	164.8	164.0	163.2	163.2	162.3	159.0	156.5	153.1	149.8	149.8
35°	144.8	145.6	145.6	145.6	145.6	144.8	142.2	139.7	137.2	134.7	135.6
37.5°	131.4	131.4	133.9	135.6	133.9	132.2	130.5	128.0	126.3	123.8	123.8
40°	116.3	116.3	118.8	120.5	118.8	117.1	116.3	114.6	113.8	112.1	112.1
42.5°	102.9	102.9	105.4	107.1	107.1	106.3	104.6	102.9	101.2	99.6	100.4
45°	86.2	85.3	89.5	92.9	91.2	89.5	89.5	88.7	88.7	87.9	88.7
47.5°	71.1	70.3	73.6	77.0	76.1	74.5	74.5	74.5	74.5	74.5	75.3
50°	59.4	57.7	61.1	63.6	62.8	61.1	61.1	61.9	61.9	61.9	62.8
52.5°	51.0	49.4	51.9	53.6	52.7	51.9	51.9	52.7	52.7	52.7	53.6
55°	45.2	43.5	46.0	47.7	46.9	45.2	46.0	46.0	46.9	46.9	46.9
57.5°	40.2	37.7	39.3	41.0	41.0	40.2	41.0	41.0	41.8	41.8	41.8
60°	36.8	34.3	36.0	36.8	36.8	36.0	36.8	36.8	37.7	37.7	37.7
62.5°	32.6	30.1	31.8	32.6	32.6	31.8	32.6	32.6	33.5	33.5	33.5
65°	29.3	26.8	27.6	28.4	28.4	28.4	29.3	29.3	30.1	30.1	30.1
67.5°	27.6	24.3	25.1	25.9	25.9	25.9	26.8	26.8	27.6	27.6	28.4
70°	26.8	23.4	24.3	24.3	25.1	25.1	25.1	25.9	25.9	25.9	25.9
72.5°	25.9	22.6	22.6	22.6	23.4	23.4	23.4	24.3	24.3	24.3	24.3
75°	25.9	22.6	21.8	20.9	21.8	21.8	21.8	22.6	22.6	22.6	22.6
77.5°	22.6	18.4	16.7	14.2	16.7	18.4	19.2	19.2	20.1	20.1	20.1
80°	9.2	4.2	2.5	0.0	0.8	1.7	2.5	3.3	4.2	5.0	5.9
82.5°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.5	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: P368459
 CATALOG NUMBER: MSA-SA4C-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: P368459
 CATALOG NUMBER: MSA-SA4C-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9
2.5°	1658.4	1616.6	1574.8	1594.8	1614.9	1635.0	1655.1	1653.4	1650.9	1649.2	1646.7
5°	1689.4	1686.9	1684.4	1672.7	1661.8	1650.1	1638.4	1635.8	1632.5	1630.0	1626.6
7.5°	1420.8	1425.0	1430.0	1416.6	1403.2	1389.8	1376.5	1342.1	1307.8	1272.7	1238.4
10°	1064.3	1044.3	1025.0	1023.3	1021.7	1020.0	1018.3	1015.0	1011.6	1007.4	1004.1
12.5°	752.2	764.0	775.7	771.5	767.3	762.3	758.1	764.0	770.6	776.5	782.4
15°	458.5	466.1	472.8	487.8	502.9	517.9	533.0	538.9	545.6	551.4	557.3
17.5°	298.7	299.6	301.2	318.0	333.9	350.6	366.5	377.4	388.3	398.3	409.2
20°	243.5	241.0	238.5	247.7	256.9	266.1	275.3	285.3	295.4	305.4	315.5
22.5°	216.7	215.0	213.4	216.7	220.1	222.6	225.9	233.5	241.8	249.4	256.9
25°	199.1	197.5	196.6	198.3	200.0	201.7	203.3	207.5	211.7	215.9	220.1
27.5°	179.1	179.9	179.9	181.6	182.4	184.1	184.9	186.6	189.1	190.8	192.5
30°	164.0	165.7	166.5	168.2	169.0	170.7	171.5	170.7	169.9	169.0	168.2
32.5°	149.8	148.9	148.9	150.6	151.5	153.1	154.0	155.6	157.3	158.1	159.8
35°	135.6	136.4	136.4	136.4	137.2	137.2	137.2	138.9	141.4	143.1	144.8
37.5°	123.0	123.0	122.2	124.7	126.3	128.9	130.5	132.2	134.7	136.4	138.1
40°	112.1	112.1	112.1	113.8	115.5	116.3	118.0	122.2	126.3	130.5	134.7
42.5°	100.4	101.2	101.2	102.9	104.6	105.4	107.1	110.5	113.0	116.3	118.8
45°	89.5	90.4	91.2	92.9	93.7	95.4	96.2	97.9	98.7	100.4	101.2
47.5°	77.0	77.8	78.7	80.3	81.2	82.8	83.7	82.8	82.8	82.0	81.2
50°	64.4	65.3	66.1	68.6	70.3	72.8	74.5	72.8	71.1	68.6	66.9
52.5°	54.4	54.4	55.2	56.9	58.6	59.4	61.1	60.2	59.4	58.6	57.7
55°	46.9	46.9	46.9	47.7	48.5	49.4	50.2	51.0	51.0	51.9	51.9
57.5°	41.8	41.0	41.0	41.8	42.7	42.7	43.5	44.3	44.3	45.2	45.2
60°	37.7	36.8	36.8	37.7	38.5	39.3	40.2	40.2	40.2	39.3	39.3
62.5°	33.5	33.5	33.5	34.3	34.3	35.1	35.1	35.1	36.0	36.0	36.0
65°	31.0	31.0	31.0	31.0	31.0	30.1	30.1	31.0	31.0	31.8	31.8
67.5°	28.4	29.3	29.3	28.4	27.6	26.8	25.9	26.8	26.8	27.6	27.6
70°	25.9	25.9	25.9	25.1	24.3	23.4	22.6	22.6	22.6	21.8	21.8
72.5°	24.3	23.4	23.4	22.6	20.9	20.1	18.4	17.6	17.6	16.7	15.9
75°	22.6	21.8	21.8	20.1	18.4	16.7	15.1	14.2	12.6	11.7	10.0
77.5°	20.1	20.1	20.1	17.6	15.9	13.4	10.9	9.2	7.5	5.0	3.3
80°	6.7	7.5	8.4	7.5	7.5	6.7	5.9	4.2	3.3	1.7	0.0
82.5°	0.8	0.8	0.8	0.8	0.8	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: P368459
 CATALOG NUMBER: MSA-SA4C-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: P368459
 CATALOG NUMBER: MSA-SA4C-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°	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9
2.5°	1655.9	1665.1	1674.3	1683.5	1684.4	1685.2	1686.1	1686.9	1666.0	1644.2	1623.3
5°	1643.4	1660.9	1677.7	1694.4	1685.2	1676.0	1666.8	1657.6	1656.8	1656.8	1655.9
7.5°	1240.9	1242.6	1245.1	1246.8	1250.1	1253.5	1256.0	1259.3	1272.7	1286.1	1298.6
10°	993.2	982.3	970.6	959.8	951.4	942.2	933.8	924.6	931.3	938.8	945.5
12.5°	773.2	764.0	753.9	744.7	741.4	738.0	733.8	730.5	752.2	774.0	794.9
15°	555.6	553.9	551.4	549.7	560.6	571.5	582.4	593.3	611.7	629.2	647.6
17.5°	413.4	417.5	421.7	425.9	432.6	439.3	445.2	451.8	465.2	479.5	492.8
20°	320.5	326.3	331.4	336.4	334.7	333.0	330.5	328.8	339.7	350.6	360.6
22.5°	261.9	266.1	271.1	275.3	276.1	277.0	277.8	278.6	285.3	291.2	297.9
25°	224.2	229.3	233.5	237.6	238.5	239.3	240.1	241.0	249.4	257.7	265.2
27.5°	198.3	203.3	209.2	214.2	215.9	217.6	219.2	220.9	225.9	230.1	235.1
30°	174.9	181.6	188.3	195.0	197.5	200.0	202.5	205.0	210.0	215.9	220.9
32.5°	163.2	167.3	170.7	174.0	179.9	184.9	190.8	195.8	201.7	208.4	214.2
35°	149.8	154.0	159.0	163.2	167.3	171.5	174.9	179.1	182.4	185.8	188.3
37.5°	141.4	145.6	148.9	152.3	154.0	155.6	156.5	158.1	159.8	161.5	162.3
40°	134.7	133.9	133.9	133.0	134.7	137.2	138.9	140.6	145.6	149.8	154.8
42.5°	117.1	114.6	113.0	110.5	114.6	118.0	122.2	125.5	132.2	138.9	145.6
45°	99.6	97.9	95.4	93.7	99.6	105.4	111.3	117.1	124.7	131.4	138.9
47.5°	82.0	82.8	82.8	83.7	89.5	95.4	100.4	106.3	113.8	121.3	128.9
50°	68.6	70.3	72.0	73.6	79.5	84.5	90.4	95.4	103.8	111.3	119.7
52.5°	60.2	62.8	64.4	66.9	72.0	77.8	82.8	87.9	95.4	102.9	110.5
55°	54.4	57.7	60.2	62.8	66.9	71.1	75.3	79.5	87.0	94.6	101.2
57.5°	47.7	50.2	52.7	55.2	59.4	63.6	66.9	71.1	77.8	85.3	92.0
60°	41.8	43.5	46.0	47.7	51.0	55.2	58.6	61.9	68.6	75.3	81.2
62.5°	36.8	38.5	39.3	40.2	43.5	46.9	50.2	53.6	59.4	66.1	72.0
65°	32.6	33.5	33.5	34.3	36.8	40.2	42.7	45.2	51.9	57.7	64.4
67.5°	27.6	28.4	28.4	28.4	31.0	33.5	36.0	38.5	44.3	51.0	56.9
70°	21.8	22.6	22.6	22.6	25.1	28.4	31.0	33.5	38.5	43.5	48.5
72.5°	16.7	16.7	17.6	17.6	20.1	23.4	25.9	28.4	32.6	36.8	41.0
75°	10.9	11.7	11.7	12.6	15.1	18.4	20.9	23.4	27.6	31.8	35.1
77.5°	4.2	5.9	6.7	7.5	10.0	12.6	15.1	17.6	20.9	25.1	28.4
80°	0.0	0.8	0.8	0.8	2.5	3.3	5.0	5.9	8.4	11.7	14.2
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: P368459
 CATALOG NUMBER: MSA-SA4C-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: P368459

CATALOG NUMBER: MSA-SA4C-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9
2.5°	1601.5	1647.6	1693.6	1739.6	1785.6	1842.5	1899.4	1907.8	1916.2	1906.1	1896.9
5°	1655.1	1677.7	1699.4	1722.0	1743.8	1809.1	1873.5	1874.3	1874.3	1875.2	1875.2
7.5°	1312.0	1331.3	1350.5	1368.9	1388.2	1430.8	1473.5	1489.4	1504.5	1501.1	1497.8
10°	952.2	977.3	1001.6	1026.7	1051.0	1090.3	1129.6	1144.7	1158.9	1204.9	1251.8
12.5°	816.7	840.9	865.2	888.6	912.9	953.1	993.2	1022.5	1051.0	1079.4	1107.9
15°	665.2	684.5	704.5	723.8	743.0	761.4	779.9	815.8	851.0	879.4	907.9
17.5°	506.2	514.6	522.1	530.5	538.0	546.4	554.8	569.8	584.1	609.2	633.4
20°	371.5	378.2	384.9	390.8	397.5	405.8	414.2	425.1	435.1	441.0	446.0
22.5°	303.7	313.8	323.8	333.0	343.1	348.9	354.8	358.1	361.5	364.0	366.5
25°	273.6	282.8	291.2	300.4	308.8	311.3	313.8	320.5	327.2	327.2	327.2
27.5°	239.3	251.9	265.2	277.8	290.4	293.7	296.2	298.7	300.4	297.0	292.9
30°	225.9	238.5	251.0	262.7	275.3	280.3	284.5	287.0	289.5	285.3	281.1
32.5°	220.1	231.8	242.7	254.4	265.2	271.9	277.8	284.5	290.4	291.2	292.9
35°	191.6	199.1	207.5	215.0	222.6	225.9	229.3	231.8	233.5	233.5	233.5
37.5°	164.0	174.0	184.9	195.0	205.0	212.5	220.1	220.9	220.9	222.6	225.1
40°	159.0	169.0	179.1	188.3	198.3	206.7	214.2	215.0	215.9	217.6	219.2
42.5°	152.3	163.2	174.0	184.9	195.8	204.2	211.7	211.7	210.9	213.4	215.0
45°	145.6	156.5	166.5	177.4	187.4	198.3	208.4	205.8	202.5	206.7	210.0
47.5°	136.4	148.1	159.8	170.7	182.4	192.5	201.7	200.0	197.5	201.7	205.8
50°	127.2	138.9	150.6	162.3	174.0	184.9	195.0	193.3	191.6	196.6	200.8
52.5°	118.0	129.7	142.2	154.0	165.7	174.9	183.2	182.4	181.6	186.6	192.5
55°	108.8	119.7	131.4	142.2	153.1	163.2	172.4	170.7	169.0	173.2	177.4
57.5°	98.7	109.6	119.7	130.5	140.6	148.9	156.5	154.0	151.5	156.5	161.5
60°	87.9	97.9	107.9	117.1	127.2	133.9	139.7	138.1	135.6	140.6	145.6
62.5°	77.8	87.0	96.2	104.6	113.8	118.8	123.8	122.2	120.5	125.5	131.4
65°	70.3	77.8	84.5	92.0	98.7	103.8	108.8	106.3	103.8	109.6	114.6
67.5°	62.8	68.6	75.3	81.2	87.0	91.2	95.4	93.7	91.2	95.4	99.6
70°	53.6	59.4	65.3	70.3	76.1	80.3	84.5	82.0	78.7	82.8	87.0
72.5°	45.2	50.2	55.2	59.4	64.4	67.8	71.1	68.6	66.1	69.5	72.8
75°	39.3	43.5	47.7	51.0	55.2	56.9	58.6	57.7	56.1	59.4	61.9
77.5°	31.8	35.1	39.3	42.7	46.0	46.0	46.0	46.9	46.9	50.2	54.4
80°	16.7	20.1	23.4	25.9	29.3	29.3	28.4	30.1	31.0	35.1	39.3
82.5°	0.0	2.5	5.0	7.5	10.0	9.2	7.5	8.4	8.4	10.0	11.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7
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: P368459
 CATALOG NUMBER: MSA-SA4C-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: P368459
 CATALOG NUMBER: MSA-SA4C-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°	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9
2.5°	1886.9	1876.8	1870.1	1864.3	1857.6	1850.9	1859.3	1867.6	1875.2	1883.5	1908.6
5°	1876.0	1876.0	1870.1	1864.3	1858.4	1852.6	1865.1	1876.8	1889.4	1901.1	1900.3
7.5°	1493.6	1490.3	1525.4	1559.7	1594.8	1629.2	1638.4	1647.6	1655.9	1665.1	1662.6
10°	1297.8	1343.8	1358.9	1373.9	1389.0	1404.1	1422.5	1440.9	1459.3	1477.7	1484.4
12.5°	1136.3	1164.8	1213.3	1261.0	1309.5	1357.2	1381.5	1406.6	1430.8	1455.1	1502.8
15°	936.3	964.8	1006.6	1048.4	1090.3	1132.1	1170.6	1209.9	1248.4	1286.9	1344.7
17.5°	658.5	682.8	714.6	746.4	777.3	809.1	868.5	928.0	987.4	1046.8	1107.9
20°	451.8	456.9	471.9	487.8	502.9	517.9	571.5	625.9	679.4	733.0	813.3
22.5°	368.2	370.7	378.2	385.7	392.4	400.0	427.6	456.0	483.6	511.3	576.5
25°	326.3	326.3	331.4	336.4	341.4	346.4	361.5	376.5	390.8	405.8	447.7
27.5°	289.5	285.3	292.9	300.4	307.9	315.5	326.3	338.0	348.9	359.8	388.3
30°	277.0	272.8	282.0	291.2	300.4	309.6	320.5	331.4	341.4	352.3	371.5
32.5°	293.7	294.5	297.9	301.2	303.7	307.1	312.1	318.0	323.0	328.0	344.7
35°	233.5	233.5	239.3	245.2	250.2	256.0	265.2	274.5	283.7	292.9	310.4
37.5°	226.8	228.4	233.5	239.3	244.3	249.4	261.1	273.6	285.3	297.0	311.3
40°	220.1	221.7	228.4	235.1	241.8	248.5	260.2	271.1	282.8	293.7	307.1
42.5°	217.6	219.2	227.6	236.8	245.2	253.5	263.6	273.6	282.8	292.9	311.3
45°	214.2	217.6	227.6	238.5	248.5	258.6	267.8	277.0	286.2	295.4	318.0
47.5°	209.2	213.4	225.1	236.0	247.7	258.6	276.1	294.5	312.1	329.7	340.6
50°	205.8	210.0	222.6	235.1	247.7	260.2	288.7	317.1	344.7	373.2	367.3
52.5°	197.5	202.5	218.4	234.3	250.2	266.1	291.2	316.3	341.4	366.5	354.8
55°	181.6	185.8	204.2	222.6	240.1	258.6	277.0	295.4	312.9	331.4	318.0
57.5°	165.7	170.7	188.3	205.8	222.6	240.1	249.4	258.6	267.8	277.0	271.9
60°	150.6	155.6	179.1	202.5	225.9	249.4	241.0	232.6	223.4	215.0	220.9
62.5°	136.4	141.4	164.0	185.8	208.4	230.1	218.4	206.7	195.0	183.2	192.5
65°	120.5	125.5	133.9	143.1	151.5	159.8	159.0	157.3	156.5	154.8	164.8
67.5°	103.8	107.9	112.1	117.1	121.3	125.5	128.0	131.4	133.9	136.4	144.8
70°	90.4	94.6	99.6	103.8	108.8	113.0	114.6	116.3	117.1	118.8	126.3
72.5°	75.3	78.7	85.3	92.0	97.9	104.6	105.4	105.4	106.3	106.3	112.1
75°	65.3	67.8	72.8	77.8	82.0	87.0	89.5	92.0	93.7	96.2	99.6
77.5°	57.7	61.1	62.8	63.6	65.3	66.1	67.8	69.5	71.1	72.8	73.6
80°	42.7	46.9	48.5	49.4	51.0	51.9	51.9	51.0	51.0	50.2	51.0
82.5°	13.4	15.1	17.6	20.1	22.6	25.1	25.9	26.8	26.8	27.6	26.8
85°	2.5	3.3	5.0	6.7	7.5	9.2	8.4	6.7	5.9	4.2	3.3
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: P368459
 CATALOG NUMBER: MSA-SA4C-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: P368459
 CATALOG NUMBER: MSA-SA4C-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9
2.5°	1933.7	1958.0	1983.1	1973.1	1963.0	1953.0	1942.9	1944.6	1947.1	1948.8	1950.5
5°	1899.4	1897.7	1896.9	1925.4	1954.6	1983.1	2011.5	2042.5	2074.3	2105.3	2136.2
7.5°	1660.1	1656.8	1654.3	1691.1	1727.9	1764.7	1801.5	1844.2	1887.7	1930.4	1973.1
10°	1491.1	1497.8	1504.5	1519.5	1535.4	1550.5	1565.6	1606.6	1647.6	1687.7	1728.7
12.5°	1550.5	1597.4	1645.0	1654.3	1662.6	1671.8	1680.2	1686.1	1691.9	1697.8	1703.6
15°	1403.2	1461.0	1518.7	1543.0	1566.4	1590.7	1614.1	1676.0	1737.1	1799.0	1860.1
17.5°	1168.9	1229.2	1290.3	1363.1	1435.9	1508.7	1581.5	1648.4	1715.3	1782.3	1849.2
20°	894.5	974.8	1055.1	1147.2	1240.1	1332.1	1424.1	1491.1	1557.2	1624.1	1690.2
22.5°	642.6	707.9	773.2	884.4	994.9	1106.2	1216.6	1332.9	1450.1	1566.4	1682.7
25°	489.5	530.5	572.3	682.0	791.6	900.3	1010.0	1169.8	1329.6	1489.4	1649.2
27.5°	415.9	444.3	471.9	570.7	669.4	767.3	866.0	1056.0	1245.9	1435.9	1625.8
30°	391.6	410.8	430.1	513.8	598.3	682.0	765.6	958.1	1150.5	1343.0	1535.4
32.5°	361.5	377.4	394.1	467.7	541.4	614.2	687.8	876.1	1064.3	1251.8	1440.0
35°	327.2	344.7	361.5	435.1	508.7	581.5	655.2	850.1	1045.1	1240.1	1435.0
37.5°	324.7	338.9	352.3	437.6	523.8	609.2	694.5	889.5	1084.4	1278.6	1473.5
40°	321.3	334.7	348.1	435.1	521.3	608.3	694.5	898.7	1102.8	1307.0	1511.2
42.5°	329.7	347.3	365.7	442.6	519.6	595.8	672.7	887.8	1102.8	1317.0	1532.1
45°	341.4	364.0	386.6	456.9	527.2	597.4	667.7	901.2	1134.6	1367.2	1600.7
47.5°	352.3	363.1	374.0	441.0	507.1	574.0	640.1	878.6	1117.1	1355.5	1594.0
50°	362.3	356.5	350.6	424.2	497.9	570.7	644.3	871.9	1098.7	1326.2	1553.0
52.5°	342.2	330.5	318.0	396.6	475.3	553.1	631.7	861.0	1090.3	1319.6	1548.8
55°	304.6	291.2	277.8	355.6	432.6	510.4	587.4	815.8	1044.3	1272.7	1501.1
57.5°	266.1	261.1	255.2	314.6	374.0	432.6	492.0	745.5	999.9	1253.5	1507.0
60°	226.8	231.8	237.6	280.3	323.0	364.8	407.5	656.0	903.7	1152.2	1399.9
62.5°	200.8	210.0	218.4	254.4	291.2	327.2	363.1	597.4	831.7	1066.0	1300.3
65°	175.7	185.8	195.8	238.5	282.0	324.7	367.3	565.6	764.0	962.3	1160.6
67.5°	153.1	160.7	169.0	225.1	281.1	337.2	393.3	555.6	717.1	879.4	1040.9
70°	133.9	140.6	148.1	213.4	278.6	343.9	409.2	547.2	686.1	824.2	962.3
72.5°	118.0	123.8	129.7	195.8	261.9	328.0	394.1	517.1	639.3	762.3	884.4
75°	102.9	105.4	108.8	164.8	220.1	276.1	331.4	413.4	496.2	578.2	660.2
77.5°	74.5	74.5	75.3	92.0	107.9	124.7	140.6	191.6	242.7	292.9	343.9
80°	51.0	51.9	51.9	58.6	64.4	71.1	77.0	87.9	97.9	108.8	118.8
82.5°	25.9	24.3	23.4	30.1	36.8	43.5	50.2	52.7	54.4	56.9	58.6
85°	2.5	0.8	0.0	4.2	8.4	12.6	16.7	20.1	23.4	26.8	30.1
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: P368459
 CATALOG NUMBER: MSA-SA4C-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: P368459

CATALOG NUMBER: MSA-SA4C-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°	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9
2.5°	1943.8	1937.1	1930.4	1923.7	1964.7	2006.5	2047.5	2088.5	2204.8	2281.0	2272.6
5°	2166.3	2196.5	2226.6	2256.7	2305.2	2354.6	2403.1	2451.7	2624.0	2729.5	2744.5
7.5°	2019.9	2065.9	2112.8	2158.8	2252.5	2345.4	2439.1	2532.0	2673.4	2783.0	2844.9
10°	1781.4	1834.2	1886.0	1938.7	2044.2	2150.4	2255.9	2361.3	2520.3	2671.7	2749.6
12.5°	1786.5	1869.3	1952.1	2035.0	2127.0	2219.1	2310.3	2402.3	2499.4	2550.4	2660.0
15°	1925.4	1990.6	2055.9	2121.2	2241.7	2362.1	2481.8	2602.3	2660.0	2783.0	2911.1
17.5°	1976.4	2104.4	2231.6	2358.8	2509.4	2659.2	2809.8	2959.6	3068.4	3239.1	3371.3
20°	1881.8	2073.5	2264.2	2455.9	2662.5	2869.2	3075.9	3282.6	3401.4	3563.7	3767.9
22.5°	1886.0	2089.4	2291.9	2495.2	2780.5	3065.0	3350.3	3634.8	3953.6	4266.6	4366.2
25°	1915.3	2181.4	2446.7	2712.7	3042.4	3372.1	3701.8	4031.5	4416.4	4745.2	4877.4
27.5°	1925.4	2224.9	2523.6	2823.2	3291.8	3760.4	4228.9	4697.5	5156.9	5528.4	5669.8
30°	1901.1	2267.6	2633.3	2998.9	3573.8	4148.6	4723.5	5298.3	5734.2	6166.8	6342.6
32.5°	1907.0	2373.9	2840.8	3307.7	3984.6	4662.4	5339.3	6016.2	6294.9	6684.8	6994.4
35°	1947.1	2459.2	2970.5	3482.6	4231.4	4980.3	5729.2	6478.1	6935.0	7346.7	7609.4
37.5°	2040.8	2608.1	3174.6	3741.9	4662.4	5583.6	6504.1	7424.5	8131.5	8838.6	8959.1
40°	2110.3	2709.4	3308.5	3907.6	4976.1	6044.7	7113.2	8181.7	8981.7	9749.0	9831.0
42.5°	2188.9	2844.9	3501.8	4157.8	5352.7	6547.6	7742.4	8937.3	9863.6	10646.0	10700.4
45°	2275.1	2950.4	3624.8	4299.2	5551.0	6801.9	8053.7	9304.7	10386.6	11295.3	11090.3
47.5°	2316.1	3038.2	3760.4	4482.5	5824.6	7165.9	8508.1	9849.4	10820.0	11621.6	11382.3
50°	2347.9	3142.0	3936.9	4731.0	6138.4	7545.8	8953.2	10360.6	11333.8	12073.5	11698.6
52.5°	2437.5	3325.2	4213.9	5101.7	6598.6	8094.7	9591.7	11087.8	12029.1	12708.6	12183.1
55°	2524.5	3547.0	4570.3	5592.8	7202.7	8813.5	10423.4	12033.3	12970.5	13552.8	12839.1
57.5°	2634.1	3762.0	4889.1	6016.2	7738.3	9460.3	11181.5	12903.5	13819.8	14463.2	13721.9
60°	2605.6	3810.6	5016.3	6221.2	7975.1	9728.9	11482.7	13236.5	14325.2	15115.9	14613.0
62.5°	2495.2	3690.1	4884.1	6079.0	7801.9	9523.9	11246.7	12968.8	14273.3	15344.3	15175.3
65°	2271.8	3382.1	4493.3	5603.7	7248.8	8894.6	10539.7	12184.7	13794.7	15157.7	15218.0
67.5°	1978.1	2915.2	3851.6	4788.7	6323.3	7857.9	9391.7	10926.3	12826.5	14416.4	14595.4
70°	1666.8	2370.5	3075.1	3778.8	5129.3	6479.8	7829.5	9180.0	11155.5	12755.4	13093.5
72.5°	1336.3	1789.0	2240.8	2692.7	3667.5	4641.4	5616.3	6590.2	8328.2	9569.9	10159.8
75°	866.0	1071.9	1277.7	1483.6	2132.9	2781.4	3430.7	4079.2	5233.0	6147.6	6814.5
77.5°	385.7	427.6	468.6	510.4	1011.6	1512.8	2014.1	2515.3	3016.5	3568.7	3725.2
80°	138.1	156.5	175.7	194.1	440.1	687.0	933.0	1179.0	1421.6	1707.0	1776.4
82.5°	57.7	57.7	56.9	56.1	143.9	231.8	319.6	407.5	471.1	541.4	554.8
85°	23.4	17.6	10.9	4.2	18.4	33.5	47.7	61.9	99.6	90.4	167.3
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: P368459
 CATALOG NUMBER: MSA-SA4C-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: P368459

CATALOG NUMBER: MSA-SA4C-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9
2.5°	2240.8	2239.1	2237.5	2235.8	2234.1	2204.0	2174.7	2144.6	2115.3	2152.1	2188.9
5°	2720.3	2763.8	2807.3	2851.6	2895.2	2907.7	2920.3	2932.8	2945.4	2972.1	2998.9
7.5°	2896.8	2970.5	3043.3	3116.9	3189.7	3257.5	3324.4	3392.2	3460.0	3443.2	3426.5
10°	2835.7	2968.8	3101.8	3235.7	3368.8	3398.0	3427.3	3457.4	3486.7	3562.9	3639.0
12.5°	2769.6	2929.5	3089.3	3249.1	3408.9	3497.6	3585.5	3674.2	3762.9	3839.8	3916.8
15°	3083.4	3185.5	3287.6	3390.5	3492.6	3570.4	3647.4	3725.2	3802.2	3855.7	3908.5
17.5°	3495.9	3546.1	3596.3	3647.4	3697.6	3758.7	3819.8	3880.8	3941.9	3973.7	4005.5
20°	3931.9	3953.6	3975.4	3997.2	4018.9	3970.4	3921.8	3873.3	3824.8	3854.9	3884.2
22.5°	4369.5	4377.0	4385.4	4392.9	4400.5	4287.5	4174.5	4061.6	3948.6	3900.9	3853.2
25°	5043.1	4987.9	4932.6	4877.4	4822.2	4688.3	4554.4	4420.5	4286.7	4168.7	4050.7
27.5°	5772.7	5585.3	5398.7	5211.3	5024.7	4890.8	4756.9	4623.0	4489.2	4311.8	4134.4
30°	6508.2	6206.2	5904.9	5602.9	5301.6	5142.7	4983.7	4823.9	4664.9	4487.5	4310.9
32.5°	7182.7	6819.5	6456.4	6092.4	5729.2	5461.5	5193.7	4925.9	4658.2	4534.3	4410.5
35°	7741.6	7312.4	6883.1	6453.0	6023.8	5758.5	5493.3	5228.0	4962.8	4778.7	4595.4
37.5°	8697.2	8214.4	7731.6	7248.8	6766.0	6403.6	6042.2	5679.9	5317.5	5194.5	5071.5
40°	9578.3	8970.0	8361.6	7753.3	7145.0	6841.3	6538.4	6234.6	5931.7	5730.1	5529.2
42.5°	10278.6	9637.7	8997.6	8356.6	7715.7	7415.3	7115.7	6815.3	6514.9	6380.2	6246.3
45°	10430.1	9825.9	9222.7	8618.5	8014.4	7839.5	7665.5	7490.6	7316.5	7223.7	7131.6
47.5°	10728.8	10073.6	9419.3	8764.1	8108.9	8030.3	7951.6	7872.1	7793.5	7837.8	7882.2
50°	10896.2	10227.6	9559.0	8890.5	8221.9	8244.5	8266.2	8288.8	8311.4	8626.0	8939.8
52.5°	11220.8	10545.6	9870.3	9195.0	8519.8	8662.0	8803.4	8945.7	9087.1	9520.5	9953.1
55°	11800.7	11137.1	10473.6	9809.2	9145.7	9333.1	9520.5	9708.8	9896.2	10356.4	10815.8
57.5°	12660.0	12001.5	11343.8	10685.3	10027.6	10214.2	10400.8	10587.4	10774.0	11189.9	11604.9
60°	13741.9	13065.8	12390.6	11714.5	11039.2	11109.5	11179.0	11249.3	11319.5	11766.4	12212.4
62.5°	14584.5	13962.8	13342.0	12720.3	12099.4	12021.6	11944.6	11866.8	11789.8	12129.5	12468.4
65°	14780.3	14342.7	13905.9	13468.3	13030.7	12791.4	12552.9	12313.6	12074.3	12211.5	12348.7
67.5°	14219.7	13924.3	13629.8	13334.4	13039.1	12539.5	12040.0	11539.6	11040.1	10967.3	10894.5
70°	12918.6	12757.1	12596.4	12434.9	12274.3	11504.5	10735.5	9965.7	9196.7	9011.8	8826.9
72.5°	10194.1	10294.5	10394.9	10496.2	10596.6	9772.4	8949.0	8124.8	7300.6	7066.3	6832.9
75°	7188.5	7529.1	7869.6	8210.2	8550.7	7799.3	7048.8	6297.4	5546.0	5320.9	5096.6
77.5°	3897.6	4536.0	5174.5	5812.9	6451.3	5831.3	5212.1	4592.1	3972.0	3815.6	3659.9
80°	1847.5	2215.7	2583.0	2951.2	3319.4	3179.6	3039.9	2899.3	2759.6	2793.9	2828.2
82.5°	566.5	832.6	1098.7	1364.7	1630.8	1651.7	1671.8	1692.7	1713.7	1765.5	1816.6
85°	189.9	260.2	330.5	400.8	471.1	594.9	718.8	843.4	967.3	887.0	807.5
87.5°	0.0	2.5	4.2	6.7	8.4	25.9	43.5	61.1	78.7	67.8	57.7
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: P368459
 CATALOG NUMBER: MSA-SA4C-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: P368459

CATALOG NUMBER: MSA-SA4C-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°	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9
2.5°	2226.6	2263.4	2264.2	2265.9	2266.8	2267.6	2271.8	2276.0	2281.0	2285.2	2257.5
5°	3026.5	3053.3	3003.9	2954.6	2904.4	2855.0	2899.3	2943.7	2988.0	3032.4	3013.1
7.5°	3408.9	3392.2	3386.3	3381.3	3375.4	3370.4	3387.2	3403.9	3420.6	3437.4	3435.7
10°	3715.2	3791.3	3809.7	3828.1	3847.4	3865.8	3827.3	3788.8	3750.3	3711.8	3695.9
12.5°	3993.8	4070.8	4131.9	4193.0	4254.9	4316.0	4260.7	4206.3	4151.1	4096.7	4044.8
15°	3962.0	4014.7	4064.9	4115.1	4165.3	4215.5	4197.1	4179.6	4161.2	4142.7	4134.4
17.5°	4038.2	4069.9	4058.2	4046.5	4034.0	4022.3	4016.4	4011.4	4005.5	3999.7	3979.6
20°	3914.3	3944.4	3936.9	3930.2	3922.7	3915.2	3910.1	3905.1	3900.1	3895.1	3879.2
22.5°	3805.5	3757.8	3745.3	3733.6	3721.0	3709.3	3711.0	3712.7	3713.5	3715.2	3787.1
25°	3932.7	3814.7	3768.7	3722.7	3675.8	3629.8	3650.7	3670.8	3691.7	3712.7	3816.4
27.5°	3956.2	3778.8	3705.1	3631.5	3557.9	3484.2	3559.5	3634.8	3710.1	3785.5	3953.6
30°	4133.5	3957.0	3854.1	3752.0	3649.1	3547.0	3643.2	3739.4	3835.7	3931.9	4114.3
32.5°	4285.8	4162.0	4088.4	4014.7	3941.1	3867.5	3871.6	3875.0	3879.2	3883.4	4140.2
35°	4411.3	4228.1	4161.2	4095.1	4028.1	3962.0	4061.6	4161.2	4260.7	4360.3	4591.2
37.5°	4948.5	4825.5	4702.5	4580.4	4457.4	4335.2	4414.7	4494.2	4574.5	4654.0	4909.2
40°	5327.6	5126.8	5095.0	5064.0	5032.2	5001.3	5042.3	5082.4	5123.4	5164.4	5387.8
42.5°	6111.6	5976.9	5890.7	5805.4	5719.2	5633.8	5666.5	5699.1	5732.6	5765.2	5976.9
45°	7038.7	6945.9	6889.0	6832.1	6774.3	6717.4	6668.1	6619.5	6570.2	6521.6	6736.7
47.5°	7926.5	7970.9	8096.4	8221.1	8346.6	8471.3	8369.2	8267.1	8164.2	8062.1	8062.9
50°	9254.4	9568.2	9631.8	9694.6	9758.2	9820.9	9603.4	9385.8	9167.4	8949.9	8923.9
52.5°	10386.6	10819.2	10841.8	10864.4	10887.8	10910.4	10822.5	10734.7	10646.0	10558.1	10324.7
55°	11276.0	11735.4	11766.4	11796.5	11827.5	11857.6	11780.6	11704.5	11627.5	11550.5	11314.5
57.5°	12020.7	12435.8	12454.2	12471.8	12490.2	12508.6	12514.4	12520.3	12527.0	12532.8	12214.0
60°	12659.2	13106.0	13069.2	13033.2	12996.4	12960.4	12905.2	12850.0	12794.7	12739.5	12533.7
62.5°	12808.1	13147.8	13090.9	13034.9	12978.0	12921.9	12875.1	12829.0	12782.2	12735.3	12604.0
65°	12486.0	12623.2	12564.6	12506.1	12446.6	12388.1	12358.0	12328.7	12298.5	12268.4	12251.7
67.5°	10820.8	10748.0	10817.5	10886.9	10956.4	11025.8	11120.4	11215.0	11310.3	11404.9	11349.7
70°	8641.1	8456.2	8533.2	8609.3	8686.3	8762.4	8905.5	9048.6	9192.5	9335.6	9297.1
72.5°	6598.6	6364.3	6375.2	6386.1	6397.8	6408.7	6404.5	6401.1	6396.9	6392.8	6459.7
75°	4871.6	4646.5	4540.2	4433.9	4327.7	4221.4	4195.5	4169.5	4143.6	4117.6	4242.3
77.5°	3503.5	3347.8	3275.0	3203.1	3130.3	3058.3	3095.1	3132.0	3169.6	3206.4	3249.9
80°	2863.4	2897.7	2841.6	2786.4	2730.3	2674.3	2716.1	2757.1	2798.9	2840.8	2711.1
82.5°	1868.5	1919.5	1747.1	1574.8	1402.4	1230.0	1334.6	1439.2	1544.6	1649.2	1595.7
85°	727.1	647.6	552.3	457.7	362.3	266.9	347.3	427.6	507.9	588.2	641.8
87.5°	46.9	36.8	29.3	21.8	13.4	5.9	12.6	19.2	26.8	33.5	56.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368459
 CATALOG NUMBER: MSA-SA4C-727-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: P368459

CATALOG NUMBER: MSA-SA4C-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9
2.5°	2230.8	2203.2	2176.4	2123.7	2071.0	2018.2	1965.5	2039.2	2112.8	2186.4	2260.1
5°	2994.7	2975.5	2957.1	2962.1	2967.1	2973.0	2978.0	2988.9	2999.7	3009.8	3020.7
7.5°	3434.9	3433.2	3431.5	3393.0	3354.5	3315.2	3276.7	3296.0	3315.2	3334.4	3353.7
10°	3680.9	3665.0	3649.1	3564.6	3480.0	3394.7	3310.2	3273.4	3235.7	3198.9	3162.1
12.5°	3993.0	3940.3	3888.4	3798.0	3708.5	3618.1	3527.7	3494.3	3460.0	3426.5	3392.2
15°	4126.8	4118.5	4110.9	4046.5	3981.3	3916.8	3851.6	3736.9	3621.5	3506.8	3392.2
17.5°	3959.5	3938.6	3918.5	4020.6	4121.8	4223.9	4326.0	4207.2	4088.4	3969.5	3850.7
20°	3863.3	3847.4	3831.5	4021.4	4210.5	4400.5	4589.6	4536.9	4483.3	4430.6	4377.9
22.5°	3859.1	3931.9	4003.8	4170.4	4336.0	4502.5	4668.2	4759.4	4851.5	4942.7	5033.9
25°	3920.2	4024.8	4128.5	4404.6	4680.8	4957.7	5233.9	5338.5	5442.2	5546.8	5650.6
27.5°	4121.0	4289.2	4456.5	4697.5	4938.5	5180.3	5421.3	5649.7	5879.0	6107.4	6335.9
30°	4295.9	4478.3	4660.7	4947.7	5233.9	5520.9	5807.0	6093.2	6379.4	6665.5	6951.7
32.5°	4397.1	4654.8	4911.7	5260.6	5608.7	5957.7	6306.6	6620.4	6934.1	7247.1	7560.9
35°	4822.2	5054.0	5284.9	5670.7	6056.4	6443.0	6828.7	7217.0	7605.2	7992.6	8380.9
37.5°	5164.4	5420.5	5675.7	6097.4	6518.3	6940.0	7361.7	7898.1	8435.3	8971.6	9508.0
40°	5611.2	5834.7	6058.1	6453.0	6847.1	7242.1	7637.0	8317.3	8997.6	9677.0	10357.3
42.5°	6187.8	6399.5	6611.2	7033.7	7456.3	7878.8	8301.4	9054.5	9807.5	10559.8	11312.9
45°	6951.7	7167.6	7382.6	7719.0	8055.4	8391.8	8728.1	9528.9	10328.8	11129.6	11929.5
47.5°	8063.8	8064.6	8065.4	8308.1	8550.7	8794.2	9036.9	9843.5	10649.3	11455.9	12261.7
50°	8898.0	8871.2	8845.3	8970.8	9095.5	9221.0	9346.5	10088.7	10831.7	11573.9	12316.1
52.5°	10092.0	9858.6	9626.0	9700.4	9774.1	9848.5	9922.2	10550.6	11179.8	11808.2	12436.6
55°	11079.4	10843.4	10607.5	10579.9	10552.2	10524.6	10497.0	11075.2	11653.4	12231.6	12809.8
57.5°	11896.1	11577.3	11259.3	11195.7	11133.0	11069.4	11005.8	11615.8	12224.9	12834.9	13444.1
60°	12328.7	12122.8	11917.0	11876.0	11834.1	11793.1	11751.3	12251.7	12752.1	13252.4	13752.8
62.5°	12473.4	12342.1	12211.5	12288.5	12365.5	12443.3	12520.3	12740.3	12959.6	13179.6	13398.9
65°	12235.8	12219.1	12202.3	12360.5	12517.8	12675.9	12834.1	12779.7	12724.4	12670.1	12615.7
67.5°	11295.3	11240.1	11185.7	11532.9	11879.3	12226.6	12573.8	12310.3	12045.8	11782.3	11518.7
70°	9258.6	9219.3	9180.8	9681.2	10181.6	10682.8	11183.2	10863.5	10543.9	10224.2	9904.6
72.5°	6525.8	6592.7	6659.7	7249.6	7838.7	8428.6	9017.6	8695.5	8373.4	8051.2	7729.1
75°	4366.2	4490.8	4615.5	5223.0	5830.5	6438.8	7046.3	6668.1	6289.8	5911.6	5533.4
77.5°	3293.4	3337.0	3380.5	3764.5	4148.6	4533.5	4917.6	4605.5	4292.5	3980.4	3667.5
80°	2581.4	2450.8	2321.1	2447.5	2573.8	2700.2	2826.5	2639.9	2453.3	2267.6	2081.0
82.5°	1542.1	1488.6	1435.0	1503.6	1571.4	1640.0	1708.6	1628.3	1547.1	1466.8	1385.7
85°	694.5	748.1	800.8	870.2	938.8	1008.3	1077.7	965.6	853.5	741.4	629.2
87.5°	77.8	100.4	123.0	152.3	181.6	210.9	240.1	187.4	133.9	81.2	28.4
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: P368459
 CATALOG NUMBER: MSA-SA4C-727-U-SLR-HSS

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



REPORT NUMBER: P368459
 CATALOG NUMBER: MSA-SA4C-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1768.9	1768.9
2.5°	2302.7	2345.4
5°	3019.8	3018.2
7.5°	3303.5	3252.4
10°	3115.2	3068.4
12.5°	3272.5	3152.9
15°	3301.8	3211.4
17.5°	3703.5	3555.3
20°	4187.9	3997.2
22.5°	4772.8	4510.9
25°	5339.3	5028.0
27.5°	6149.3	5961.8
30°	6762.6	6572.7
32.5°	7432.0	7303.1
35°	8252.9	8124.0
37.5°	9541.5	9574.1
40°	10377.4	10397.4
42.5°	11390.7	11468.5
45°	12016.6	12103.6
47.5°	12383.1	12504.4
50°	12511.9	12707.7
52.5°	12678.4	12919.4
55°	13078.4	13347.0
57.5°	13658.3	13872.5
60°	13762.9	13772.9
62.5°	13244.1	13089.3
65°	12450.8	12286.0
67.5°	11419.1	11318.7
70°	9772.4	9640.2
72.5°	7483.1	7237.0
75°	5228.8	4924.3
77.5°	3507.7	3347.8
80°	2086.0	2090.2
82.5°	1424.1	1461.8
85°	621.7	613.3
87.5°	20.1	10.9
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



REPORT NUMBER: P368459
CATALOG NUMBER: MSA-SA4C-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	0.0	0.0
115°	0.0	0.0
117.5°	0.0	0.0
120°	0.0	0.0
122.5°	0.0	0.0
125°	0.0	0.0
127.5°	0.0	0.0
130°	0.0	0.0
132.5°	0.0	0.0
135°	0.0	0.0
137.5°	0.0	0.0
140°	0.0	0.0
142.5°	0.0	0.0
145°	0.0	0.0
147.5°	0.0	0.0
150°	0.0	0.0
152.5°	0.0	0.0
155°	0.0	0.0
157.5°	0.0	0.0
160°	0.0	0.0
162.5°	0.0	0.0
165°	0.0	0.0
167.5°	0.0	0.0
170°	0.0	0.0
172.5°	0.0	0.0
175°	0.0	0.0
177.5°	0.0	0.0
180°	0.0	0.0

(END OF REPORT)