

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: P596443

Luminaire Tested: **MSA-SA4C-722-U-SLR-HSS**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P596443
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-25)
Test Lab: INNOVATIONS CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: MSA-SA4C-722-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: 12903 lumens
Efficiency: N/A
Efficacy: 57.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

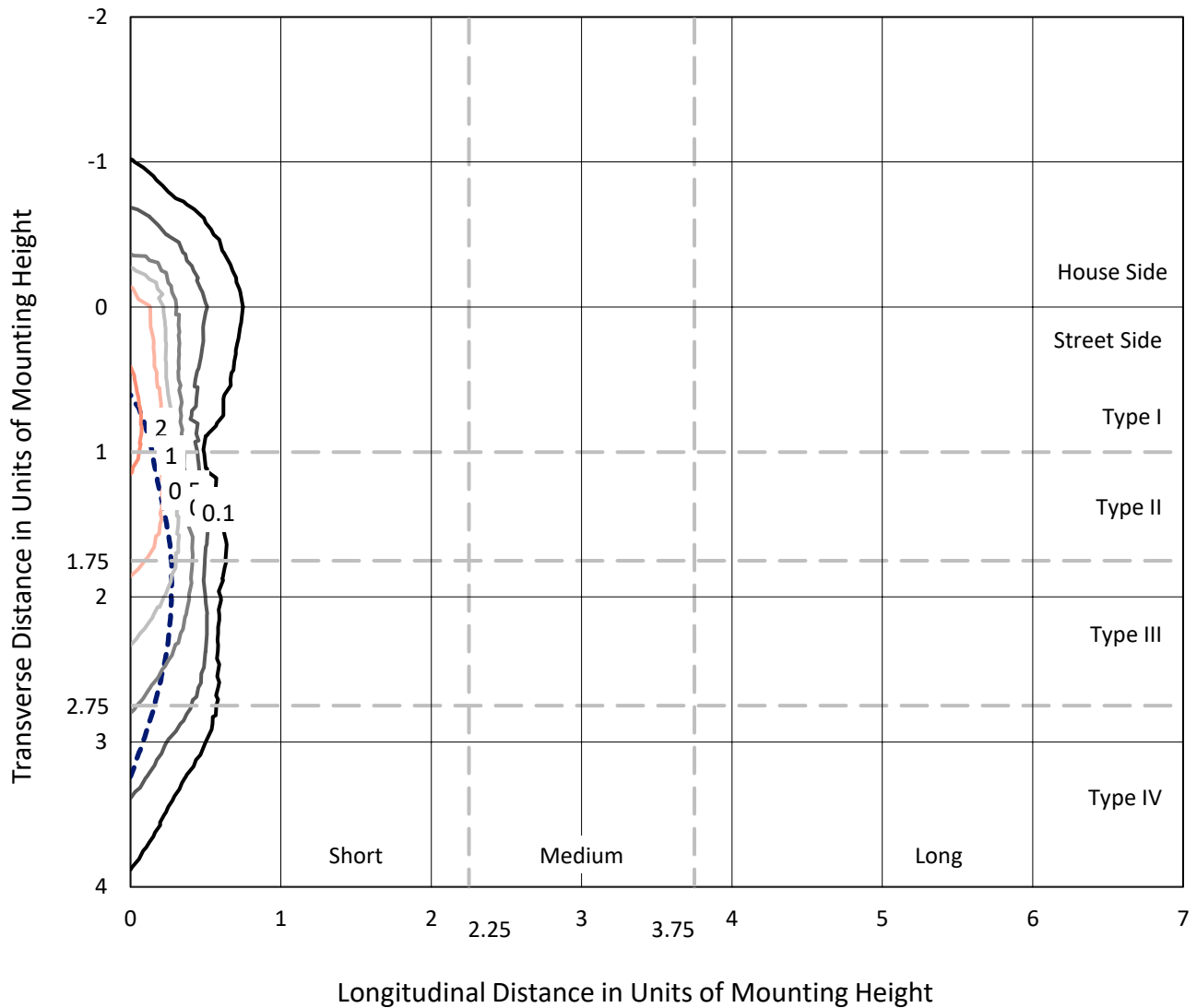
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

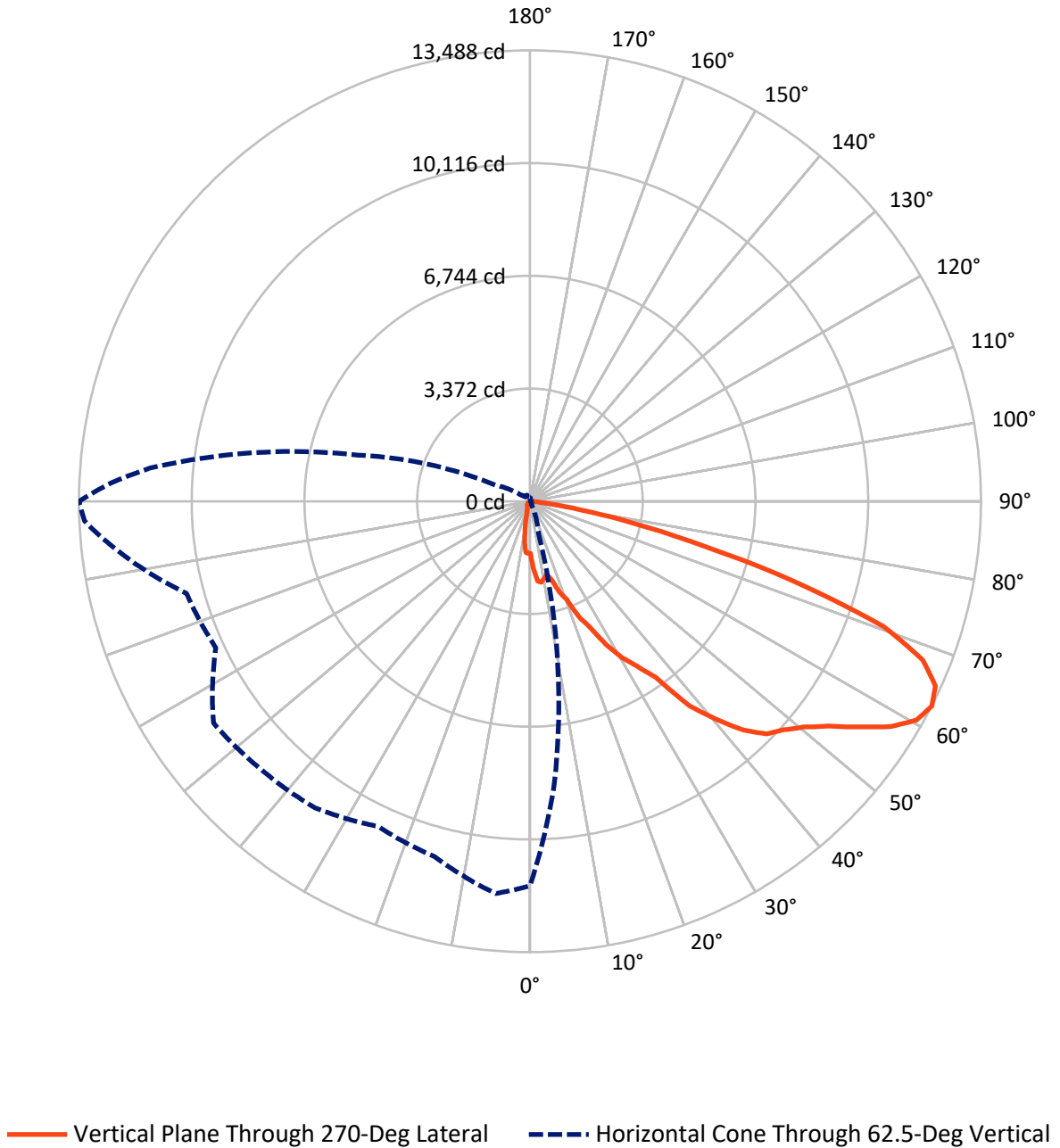
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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	2154.6	0.0	2154.6
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	10748.4	0.0	10748.4
	% Fixture	83.3	0.0	83.3
Total	Lumens	12903.0	0.0	12903.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.7	1.3
10°-20°	453.8	3.5
20°-30°	733.5	5.7
30°-40°	1228.5	9.5
40°-50°	2008.3	15.6
50°-60°	2972.9	23.0
60°-70°	3413.0	26.5
70°-80°	1687.5	13.1
80°-90°	231.8	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°	12903.0	100.0
0°-180°	12903.0	100.0

Coefficient of Utilization



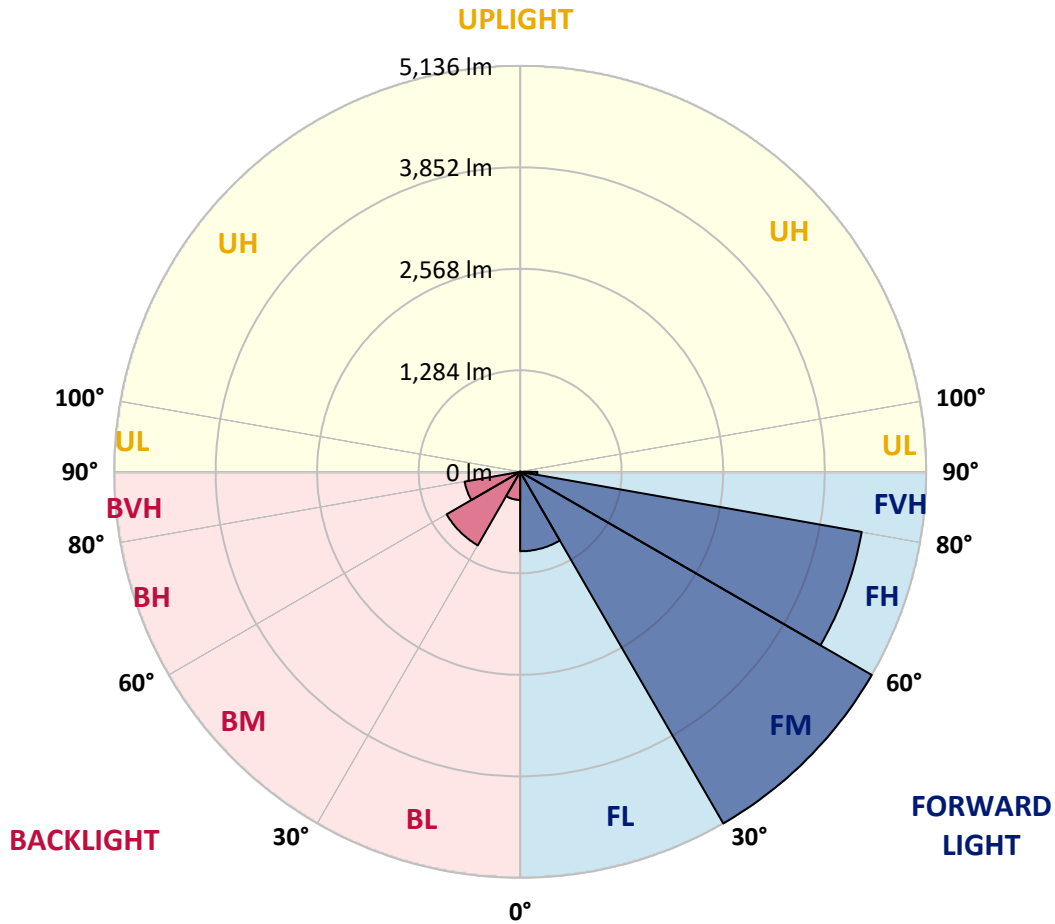
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1005.2	7.8			
FM (30°-60°)	5136.0	39.8			
FH (60°-80°)	4387.6	34.0			G2/5000
FVH (80°-90°)	219.5	1.7			G2/225
BL (0°-30°)	355.8	2.8	B1/500		
BM (30°-60°)	1073.6	8.3	B2/2500		
BH (60°-80°)	712.9	5.5	B2/1000		G2/1000
BVH (80°-90°)	12.3	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9
2.5°	2061.6	2087.4	2112.4	2064.6	2016.8	1969.0	1921.2	1878.5	1835.8	1792.4	1749.8
5°	2653.0	2605.9	2558.8	2494.1	2429.4	2364.7	2299.9	2269.8	2239.6	2209.5	2179.3
7.5°	2858.9	2775.1	2690.5	2633.1	2576.5	2519.1	2461.8	2371.3	2280.1	2189.6	2098.4
10°	2697.1	2608.1	2518.4	2468.4	2418.4	2368.3	2318.3	2205.8	2092.5	1980.0	1866.7
12.5°	2771.4	2675.1	2578.7	2475.7	2372.8	2269.8	2166.8	2080.8	1994.0	1907.9	1821.1
15°	2822.9	2712.6	2601.5	2483.8	2366.1	2248.5	2130.8	2029.3	1928.5	1827.0	1725.5
17.5°	3125.2	2967.1	2808.9	2628.0	2447.0	2266.1	2085.2	1967.5	1850.5	1732.9	1615.2
20°	3513.5	3289.2	3064.1	2819.2	2574.3	2329.4	2084.4	1938.1	1791.7	1645.3	1499.0
22.5°	3965.1	3684.9	3403.9	3101.7	2800.1	2497.8	2195.5	1985.1	1774.8	1564.4	1354.1
25°	4419.7	4166.7	3913.7	3506.9	3100.2	2692.7	2286.0	2019.0	1751.3	1484.3	1216.5
27.5°	5240.5	4788.2	4335.8	3818.0	3301.0	2783.2	2265.4	1959.4	1653.4	1346.7	1040.7
30°	5777.4	5429.5	5080.9	4396.9	3713.6	3029.6	2345.5	1957.9	1570.3	1182.0	794.4
32.5°	6419.5	5910.6	5400.9	4658.7	3916.6	3174.5	2432.3	1977.1	1521.0	1065.8	609.7
35°	7141.1	6587.2	6033.4	5093.4	4153.4	3212.7	2272.7	1831.4	1390.1	948.8	507.5
37.5°	8415.7	7489.0	6562.2	5466.3	4369.7	3273.8	2177.1	1736.5	1295.2	854.7	413.4
40°	9139.5	8254.6	7369.8	6000.3	4630.8	3261.3	1891.7	1500.4	1109.9	718.6	327.3
42.5°	10080.9	8958.5	7835.4	6304.8	4774.2	3243.6	1713.0	1351.1	989.3	626.7	264.8
45°	10639.2	9367.5	8095.8	6437.2	4778.6	3120.0	1461.5	1148.1	834.8	521.5	208.1
47.5°	10991.5	9716.1	8440.7	6660.1	4880.1	3099.4	1318.8	1030.5	742.1	453.8	165.5
50°	11170.2	9891.2	8611.4	6781.4	4951.5	3120.8	1290.8	1004.0	716.4	429.5	142.0
52.5°	11356.3	10122.8	8888.7	6991.8	5094.9	3198.0	1301.1	1008.4	716.4	423.7	130.9
55°	11732.1	10515.6	9298.3	7293.3	5288.3	3283.3	1278.3	990.0	701.7	412.6	124.3
57.5°	12194.1	10893.7	9592.5	7514.0	5435.4	3356.9	1278.3	988.5	698.7	408.2	118.4
60°	12106.5	10695.1	9282.9	7266.1	5249.3	3231.8	1215.1	939.2	664.2	388.4	112.5
62.5°	11505.6	9973.5	8440.7	6576.9	4712.4	2848.6	984.1	764.2	544.3	323.6	103.7
65°	10799.5	9173.3	7546.4	5831.1	4115.2	2400.0	684.0	536.9	389.1	242.0	94.1
67.5°	9949.3	8214.9	6480.6	4955.1	3430.4	1905.0	379.5	306.0	232.4	158.1	84.6
70°	8473.8	6683.6	4892.6	3720.2	2548.5	1376.1	203.7	172.1	140.5	108.9	77.2
72.5°	6361.4	4721.3	3081.1	2340.4	1600.5	859.8	119.2	107.4	94.9	83.1	70.6
75°	4328.5	3099.4	1870.4	1424.0	978.2	531.8	85.3	79.4	72.8	66.9	60.3
77.5°	2942.8	2128.6	1314.4	1003.2	692.1	381.0	69.9	66.2	62.5	58.1	54.4
80°	1837.3	1257.7	678.1	522.2	365.5	209.6	53.0	50.8	48.5	45.6	43.4
82.5°	1284.9	768.6	252.3	197.1	142.0	86.1	30.9	31.6	32.4	32.4	33.1
85°	539.1	291.3	43.4	36.8	30.2	23.5	16.9	18.4	20.6	22.1	23.5
87.5°	9.6	5.1	0.0	1.5	3.7	5.1	6.6	8.8	10.3	12.5	14.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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°	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9
2.5°	1760.8	1771.8	1782.1	1793.2	1784.4	1776.3	1767.4	1758.6	1745.4	1732.9	1719.6
5°	2142.5	2105.8	2069.0	2032.2	1976.3	1920.4	1863.8	1807.9	1801.3	1794.6	1787.3
7.5°	2012.4	1926.3	1839.5	1753.5	1672.6	1591.6	1510.7	1429.8	1404.8	1380.6	1355.5
10°	1800.5	1734.3	1667.4	1601.2	1543.1	1484.3	1426.2	1367.3	1306.3	1245.2	1183.4
12.5°	1752.0	1682.9	1613.0	1543.8	1490.9	1437.9	1385.0	1332.0	1263.6	1195.2	1126.8
15°	1650.5	1575.5	1500.4	1425.4	1354.8	1284.2	1212.9	1142.2	1059.9	977.5	895.1
17.5°	1526.2	1437.9	1348.9	1259.9	1167.3	1074.6	981.9	889.2	794.4	700.2	605.3
20°	1378.3	1257.7	1136.4	1015.7	901.0	786.3	670.8	556.0	496.5	437.6	378.1
22.5°	1198.1	1041.5	885.6	728.9	634.7	539.9	445.7	350.8	325.1	299.4	273.6
25°	1039.3	862.0	684.8	507.5	447.9	388.4	328.8	269.2	257.4	244.9	233.2
27.5°	873.8	707.6	540.6	373.6	339.8	305.2	271.4	236.8	228.7	221.4	213.3
30°	670.1	545.7	420.7	296.4	274.3	252.3	229.5	207.4	203.7	199.3	195.6
32.5°	519.3	428.1	337.6	246.4	233.9	221.4	208.9	196.4	190.5	184.6	178.0
35°	434.0	361.1	287.6	214.0	205.2	195.6	186.8	177.3	171.4	164.8	158.9
37.5°	359.7	306.7	253.0	199.3	189.8	180.2	169.9	160.3	155.9	151.5	147.1
40°	296.4	265.5	234.6	203.7	189.8	175.8	161.8	147.8	144.2	140.5	136.8
42.5°	244.9	225.1	204.5	184.6	174.3	164.8	154.5	144.2	139.0	133.1	128.0
45°	197.9	186.8	176.5	165.5	166.2	167.0	167.0	167.7	154.5	140.5	127.2
47.5°	160.3	155.2	149.3	144.2	150.0	155.9	161.1	167.0	153.0	139.0	124.3
50°	137.5	133.9	129.5	125.0	130.9	137.5	143.4	149.3	143.4	138.3	132.4
52.5°	125.8	120.6	115.5	110.3	112.5	115.5	117.7	119.9	119.9	119.9	119.9
55°	118.4	113.3	107.4	101.5	99.3	96.4	94.1	91.2	87.5	84.6	80.9
57.5°	112.5	106.6	100.0	94.1	90.5	86.1	82.4	78.0	74.3	69.9	66.2
60°	106.6	100.8	94.1	88.3	84.6	80.9	76.5	72.8	68.4	64.7	60.3
62.5°	98.6	93.4	88.3	83.1	79.4	76.5	72.8	69.1	64.7	60.3	55.2
65°	89.7	86.1	81.6	77.2	73.6	69.9	66.2	62.5	58.1	54.4	50.0
67.5°	81.6	78.0	75.0	71.3	66.9	63.3	58.8	54.4	51.5	48.5	44.9
70°	75.0	72.1	69.9	66.9	62.5	58.8	54.4	50.0	47.8	44.9	42.7
72.5°	68.4	66.2	63.3	61.0	57.4	53.7	50.0	46.3	44.1	41.9	39.7
75°	58.8	57.4	55.9	54.4	50.8	47.1	42.7	39.0	38.2	37.5	36.8
77.5°	53.0	52.2	50.8	49.3	45.6	41.9	38.2	34.6	35.3	36.0	36.0
80°	43.4	43.4	42.7	42.7	39.7	36.8	33.1	30.2	31.6	33.8	35.3
82.5°	33.1	33.1	33.1	33.1	30.2	27.2	24.3	21.3	23.5	25.0	27.2
85°	22.8	22.1	21.3	20.6	18.4	16.9	14.7	12.5	15.4	17.7	20.6
87.5°	14.0	14.7	14.7	14.7	13.2	11.0	9.6	7.4	8.8	9.6	11.0
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: P596443
 CATALOG NUMBER: MSA-SA4C-722-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: P596443
 CATALOG NUMBER: MSA-SA4C-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9
2.5°	1706.4	1684.3	1662.3	1639.5	1617.4	1565.9	1514.4	1462.9	1411.4	1449.7	1487.2
5°	1780.7	1738.0	1694.6	1652.0	1608.6	1589.4	1571.1	1551.9	1532.8	1535.7	1539.4
7.5°	1330.5	1302.6	1274.6	1246.0	1218.0	1212.1	1207.0	1201.1	1195.2	1207.7	1219.5
10°	1122.4	1083.4	1043.7	1004.7	965.0	943.7	922.3	901.0	879.7	877.5	874.5
12.5°	1058.4	998.8	940.0	880.4	820.8	774.5	728.2	681.8	635.5	639.2	642.8
15°	812.7	753.2	694.3	634.7	575.2	537.7	499.4	461.9	423.7	412.6	401.6
17.5°	510.4	466.3	422.2	377.3	333.2	320.7	308.9	296.4	283.9	280.2	276.6
20°	318.5	299.4	280.2	260.4	241.2	238.3	235.4	232.4	229.5	231.7	233.9
22.5°	247.9	239.8	231.0	222.9	214.0	211.1	208.1	205.2	202.3	204.5	205.9
25°	220.7	214.8	208.9	203.0	197.1	194.2	190.5	187.6	183.9	185.3	187.6
27.5°	205.2	200.1	194.9	189.8	184.6	179.5	175.1	169.9	164.8	167.7	169.9
30°	191.2	185.3	180.2	174.3	168.4	163.3	158.1	152.3	147.1	150.0	153.0
32.5°	172.1	167.0	161.1	155.9	150.0	147.1	144.2	140.5	137.5	139.7	141.2
35°	152.3	147.8	144.2	139.7	135.3	132.4	130.2	127.2	124.3	125.0	126.5
37.5°	142.7	137.5	132.4	127.2	122.1	120.6	119.2	116.9	115.5	115.5	115.5
40°	133.1	128.0	122.8	116.9	111.8	109.6	107.4	105.2	103.0	103.0	103.0
42.5°	122.1	116.9	111.8	106.6	101.5	99.3	96.4	94.1	91.2	91.2	91.2
45°	113.3	108.1	103.7	98.6	93.4	89.7	86.1	81.6	78.0	77.2	76.5
47.5°	110.3	103.0	95.6	88.3	80.9	77.2	73.6	69.1	65.5	64.7	64.0
50°	126.5	111.8	97.1	82.4	67.7	64.7	61.8	58.8	55.9	54.4	53.7
52.5°	119.9	104.4	89.0	73.6	58.1	55.9	53.7	51.5	49.3	47.8	46.3
55°	77.2	70.6	64.7	58.1	51.5	50.0	48.5	46.3	44.9	43.4	41.9
57.5°	61.8	58.1	55.2	51.5	47.8	46.3	44.9	42.7	41.2	39.0	37.5
60°	55.9	53.0	50.0	47.1	44.1	42.7	41.2	39.7	38.2	36.0	34.6
62.5°	50.8	48.5	46.3	44.1	41.9	40.5	39.0	37.5	36.0	33.8	31.6
65°	45.6	44.1	42.7	41.2	39.7	38.2	36.8	34.6	33.1	30.9	28.7
67.5°	41.9	41.2	40.5	39.7	39.0	37.5	35.3	33.8	31.6	29.4	26.5
70°	39.7	39.7	39.7	39.0	39.0	37.5	35.3	33.8	31.6	28.7	26.5
72.5°	37.5	38.2	39.0	39.0	39.7	37.5	35.3	33.1	30.9	27.9	25.7
75°	36.0	36.8	37.5	37.5	38.2	36.8	35.3	33.1	31.6	28.7	25.7
77.5°	36.8	37.5	37.5	38.2	38.2	36.8	35.3	33.1	31.6	27.9	24.3
80°	36.8	36.0	35.3	33.8	33.1	30.2	27.2	23.5	20.6	16.2	12.5
82.5°	28.7	27.2	26.5	25.0	23.5	20.6	17.7	14.7	11.8	8.8	5.9
85°	22.8	21.3	20.6	19.1	17.7	15.4	12.5	10.3	7.4	5.9	3.7
87.5°	11.8	11.0	9.6	8.8	7.4	5.9	3.7	2.2	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: P596443
 CATALOG NUMBER: MSA-SA4C-722-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: P596443
 CATALOG NUMBER: MSA-SA4C-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9
2.5°	1525.5	1563.0	1557.8	1552.7	1576.9	1601.2	1583.6	1566.6	1549.0	1531.3	1494.6
5°	1542.4	1545.3	1540.2	1534.3	1535.0	1535.7	1524.0	1512.2	1500.4	1488.7	1486.5
7.5°	1232.0	1243.8	1259.9	1275.4	1276.1	1276.1	1267.3	1258.5	1248.9	1240.1	1244.5
10°	872.3	869.4	873.8	878.2	877.5	876.0	899.5	923.1	945.9	969.4	952.5
12.5°	645.8	649.5	631.1	612.7	619.3	625.2	628.9	632.5	636.2	639.9	650.2
15°	390.6	379.5	366.3	353.0	359.7	365.5	372.2	378.1	384.7	390.6	397.2
17.5°	272.1	268.5	262.6	256.0	256.7	257.4	258.2	258.9	258.9	259.6	261.1
20°	236.1	238.3	233.9	228.7	227.3	225.1	223.6	222.1	219.9	218.4	216.2
22.5°	208.1	209.6	210.4	210.4	207.4	203.7	200.8	198.6	195.6	192.7	191.2
25°	189.0	190.5	189.0	186.8	185.3	183.9	182.4	180.2	178.7	176.5	175.8
27.5°	172.8	175.1	175.1	174.3	172.8	170.6	167.0	164.0	160.3	156.7	157.4
30°	155.9	158.9	158.9	158.1	157.4	156.7	153.0	149.3	145.6	142.0	143.4
32.5°	143.4	144.9	144.2	143.4	143.4	142.7	139.7	137.5	134.6	131.7	131.7
35°	127.2	128.0	128.0	128.0	128.0	127.2	125.0	122.8	120.6	118.4	119.2
37.5°	115.5	115.5	117.7	119.2	117.7	116.2	114.7	112.5	111.1	108.9	108.9
40°	102.2	102.2	104.4	105.9	104.4	103.0	102.2	100.8	100.0	98.6	98.6
42.5°	90.5	90.5	92.7	94.1	94.1	93.4	91.9	90.5	89.0	87.5	88.3
45°	75.8	75.0	78.7	81.6	80.2	78.7	78.7	78.0	78.0	77.2	78.0
47.5°	62.5	61.8	64.7	67.7	66.9	65.5	65.5	65.5	65.5	65.5	66.2
50°	52.2	50.8	53.7	55.9	55.2	53.7	53.7	54.4	54.4	54.4	55.2
52.5°	44.9	43.4	45.6	47.1	46.3	45.6	45.6	46.3	46.3	46.3	47.1
55°	39.7	38.2	40.5	41.9	41.2	39.7	40.5	40.5	41.2	41.2	41.2
57.5°	35.3	33.1	34.6	36.0	36.0	35.3	36.0	36.0	36.8	36.8	36.8
60°	32.4	30.2	31.6	32.4	32.4	31.6	32.4	32.4	33.1	33.1	33.1
62.5°	28.7	26.5	27.9	28.7	28.7	27.9	28.7	28.7	29.4	29.4	29.4
65°	25.7	23.5	24.3	25.0	25.0	25.0	25.7	25.7	26.5	26.5	26.5
67.5°	24.3	21.3	22.1	22.8	22.8	22.8	23.5	23.5	24.3	24.3	25.0
70°	23.5	20.6	21.3	21.3	22.1	22.1	22.1	22.8	22.8	22.8	22.8
72.5°	22.8	19.9	19.9	19.9	20.6	20.6	20.6	21.3	21.3	21.3	21.3
75°	22.8	19.9	19.1	18.4	19.1	19.1	19.1	19.9	19.9	19.9	19.9
77.5°	19.9	16.2	14.7	12.5	14.7	16.2	16.9	16.9	17.7	17.7	17.7
80°	8.1	3.7	2.2	0.0	0.7	1.5	2.2	2.9	3.7	4.4	5.1
82.5°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.2	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: P596443
 CATALOG NUMBER: MSA-SA4C-722-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: P596443
 CATALOG NUMBER: MSA-SA4C-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9
2.5°	1457.8	1421.0	1384.2	1401.9	1419.5	1437.2	1454.8	1453.4	1451.2	1449.7	1447.5
5°	1485.0	1482.8	1480.6	1470.3	1460.7	1450.4	1440.1	1437.9	1435.0	1432.8	1429.8
7.5°	1248.9	1252.6	1257.0	1245.2	1233.5	1221.7	1209.9	1179.8	1149.6	1118.7	1088.6
10°	935.6	917.9	901.0	899.5	898.1	896.6	895.1	892.2	889.2	885.6	882.6
12.5°	661.2	671.5	681.8	678.1	674.5	670.1	666.4	671.5	677.4	682.6	687.7
15°	403.1	409.7	415.6	428.8	442.0	455.3	468.5	473.7	479.6	484.7	489.9
17.5°	262.6	263.3	264.8	279.5	293.5	308.2	322.2	331.7	341.3	350.1	359.7
20°	214.0	211.8	209.6	217.7	225.8	233.9	242.0	250.8	259.6	268.5	277.3
22.5°	190.5	189.0	187.6	190.5	193.4	195.6	198.6	205.2	212.6	219.2	225.8
25°	175.1	173.6	172.8	174.3	175.8	177.3	178.7	182.4	186.1	189.8	193.4
27.5°	157.4	158.1	158.1	159.6	160.3	161.8	162.5	164.0	166.2	167.7	169.2
30°	144.2	145.6	146.4	147.8	148.6	150.0	150.8	150.0	149.3	148.6	147.8
32.5°	131.7	130.9	130.9	132.4	133.1	134.6	135.3	136.8	138.3	139.0	140.5
35°	119.2	119.9	119.9	119.9	120.6	120.6	120.6	122.1	124.3	125.8	127.2
37.5°	108.1	108.1	107.4	109.6	111.1	113.3	114.7	116.2	118.4	119.9	121.4
40°	98.6	98.6	98.6	100.0	101.5	102.2	103.7	107.4	111.1	114.7	118.4
42.5°	88.3	89.0	89.0	90.5	91.9	92.7	94.1	97.1	99.3	102.2	104.4
45°	78.7	79.4	80.2	81.6	82.4	83.8	84.6	86.1	86.8	88.3	89.0
47.5°	67.7	68.4	69.1	70.6	71.3	72.8	73.6	72.8	72.8	72.1	71.3
50°	56.6	57.4	58.1	60.3	61.8	64.0	65.5	64.0	62.5	60.3	58.8
52.5°	47.8	47.8	48.5	50.0	51.5	52.2	53.7	53.0	52.2	51.5	50.8
55°	41.2	41.2	41.2	41.9	42.7	43.4	44.1	44.9	44.9	45.6	45.6
57.5°	36.8	36.0	36.0	36.8	37.5	37.5	38.2	39.0	39.0	39.7	39.7
60°	33.1	32.4	32.4	33.1	33.8	34.6	35.3	35.3	35.3	34.6	34.6
62.5°	29.4	29.4	29.4	30.2	30.2	30.9	30.9	30.9	31.6	31.6	31.6
65°	27.2	27.2	27.2	27.2	27.2	26.5	26.5	27.2	27.2	27.9	27.9
67.5°	25.0	25.7	25.7	25.0	24.3	23.5	22.8	23.5	23.5	24.3	24.3
70°	22.8	22.8	22.8	22.1	21.3	20.6	19.9	19.9	19.9	19.1	19.1
72.5°	21.3	20.6	20.6	19.9	18.4	17.7	16.2	15.4	15.4	14.7	14.0
75°	19.9	19.1	19.1	17.7	16.2	14.7	13.2	12.5	11.0	10.3	8.8
77.5°	17.7	17.7	17.7	15.4	14.0	11.8	9.6	8.1	6.6	4.4	2.9
80°	5.9	6.6	7.4	6.6	6.6	5.9	5.1	3.7	2.9	1.5	0.0
82.5°	0.7	0.7	0.7	0.7	0.7	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: P596443
 CATALOG NUMBER: MSA-SA4C-722-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: P596443
 CATALOG NUMBER: MSA-SA4C-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9
2.5°	1455.6	1463.7	1471.8	1479.8	1480.6	1481.3	1482.1	1482.8	1464.4	1445.3	1426.9
5°	1444.5	1460.0	1474.7	1489.4	1481.3	1473.2	1465.1	1457.0	1456.3	1456.3	1455.6
7.5°	1090.8	1092.2	1094.4	1095.9	1098.9	1101.8	1104.0	1106.9	1118.7	1130.5	1141.5
10°	873.1	863.5	853.2	843.6	836.3	828.2	820.8	812.7	818.6	825.2	831.1
12.5°	679.6	671.5	662.7	654.6	651.7	648.7	645.0	642.1	661.2	680.3	698.7
15°	488.4	486.9	484.7	483.2	492.8	502.4	511.9	521.5	537.7	553.1	569.3
17.5°	363.3	367.0	370.7	374.4	380.3	386.1	391.3	397.2	408.9	421.4	433.2
20°	281.7	286.8	291.3	295.7	294.2	292.7	290.5	289.1	298.6	308.2	317.0
22.5°	230.2	233.9	238.3	242.0	242.7	243.5	244.2	244.9	250.8	256.0	261.8
25°	197.1	201.5	205.2	208.9	209.6	210.4	211.1	211.8	219.2	226.5	233.2
27.5°	174.3	178.7	183.9	188.3	189.8	191.2	192.7	194.2	198.6	202.3	206.7
30°	153.7	159.6	165.5	171.4	173.6	175.8	178.0	180.2	184.6	189.8	194.2
32.5°	143.4	147.1	150.0	153.0	158.1	162.5	167.7	172.1	177.3	183.1	188.3
35°	131.7	135.3	139.7	143.4	147.1	150.8	153.7	157.4	160.3	163.3	165.5
37.5°	124.3	128.0	130.9	133.9	135.3	136.8	137.5	139.0	140.5	142.0	142.7
40°	118.4	117.7	117.7	116.9	118.4	120.6	122.1	123.6	128.0	131.7	136.1
42.5°	103.0	100.8	99.3	97.1	100.8	103.7	107.4	110.3	116.2	122.1	128.0
45°	87.5	86.1	83.8	82.4	87.5	92.7	97.8	103.0	109.6	115.5	122.1
47.5°	72.1	72.8	72.8	73.6	78.7	83.8	88.3	93.4	100.0	106.6	113.3
50°	60.3	61.8	63.3	64.7	69.9	74.3	79.4	83.8	91.2	97.8	105.2
52.5°	53.0	55.2	56.6	58.8	63.3	68.4	72.8	77.2	83.8	90.5	97.1
55°	47.8	50.8	53.0	55.2	58.8	62.5	66.2	69.9	76.5	83.1	89.0
57.5°	41.9	44.1	46.3	48.5	52.2	55.9	58.8	62.5	68.4	75.0	80.9
60°	36.8	38.2	40.5	41.9	44.9	48.5	51.5	54.4	60.3	66.2	71.3
62.5°	32.4	33.8	34.6	35.3	38.2	41.2	44.1	47.1	52.2	58.1	63.3
65°	28.7	29.4	29.4	30.2	32.4	35.3	37.5	39.7	45.6	50.8	56.6
67.5°	24.3	25.0	25.0	25.0	27.2	29.4	31.6	33.8	39.0	44.9	50.0
70°	19.1	19.9	19.9	19.9	22.1	25.0	27.2	29.4	33.8	38.2	42.7
72.5°	14.7	14.7	15.4	15.4	17.7	20.6	22.8	25.0	28.7	32.4	36.0
75°	9.6	10.3	10.3	11.0	13.2	16.2	18.4	20.6	24.3	27.9	30.9
77.5°	3.7	5.1	5.9	6.6	8.8	11.0	13.2	15.4	18.4	22.1	25.0
80°	0.0	0.7	0.7	0.7	2.2	2.9	4.4	5.1	7.4	10.3	12.5
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: P596443
 CATALOG NUMBER: MSA-SA4C-722-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: P596443
 CATALOG NUMBER: MSA-SA4C-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9
2.5°	1407.8	1448.2	1488.7	1529.1	1569.6	1619.6	1669.6	1677.0	1684.3	1675.5	1667.4
5°	1454.8	1474.7	1493.8	1513.7	1532.8	1590.2	1646.8	1647.5	1647.5	1648.3	1648.3
7.5°	1153.3	1170.2	1187.1	1203.3	1220.2	1257.7	1295.2	1309.2	1322.5	1319.5	1316.6
10°	837.0	859.1	880.4	902.5	923.8	958.4	992.9	1006.2	1018.7	1059.1	1100.3
12.5°	717.9	739.2	760.5	781.1	802.4	837.7	873.1	898.8	923.8	948.8	973.8
15°	584.7	601.6	619.3	636.2	653.1	669.3	685.5	717.1	748.0	773.0	798.0
17.5°	445.0	452.3	459.0	466.3	472.9	480.3	487.6	500.9	513.4	535.5	556.8
20°	326.6	332.5	338.3	343.5	349.4	356.7	364.1	373.6	382.5	387.6	392.0
22.5°	267.0	275.8	284.6	292.7	301.6	306.7	311.9	314.8	317.7	319.9	322.2
25°	240.5	248.6	256.0	264.0	271.4	273.6	275.8	281.7	287.6	287.6	287.6
27.5°	210.4	221.4	233.2	244.2	255.2	258.2	260.4	262.6	264.0	261.1	257.4
30°	198.6	209.6	220.7	231.0	242.0	246.4	250.1	252.3	254.5	250.8	247.1
32.5°	193.4	203.7	213.3	223.6	233.2	239.0	244.2	250.1	255.2	256.0	257.4
35°	168.4	175.1	182.4	189.0	195.6	198.6	201.5	203.7	205.2	205.2	205.2
37.5°	144.2	153.0	162.5	171.4	180.2	186.8	193.4	194.2	194.2	195.6	197.9
40°	139.7	148.6	157.4	165.5	174.3	181.7	188.3	189.0	189.8	191.2	192.7
42.5°	133.9	143.4	153.0	162.5	172.1	179.5	186.1	186.1	185.3	187.6	189.0
45°	128.0	137.5	146.4	155.9	164.8	174.3	183.1	180.9	178.0	181.7	184.6
47.5°	119.9	130.2	140.5	150.0	160.3	169.2	177.3	175.8	173.6	177.3	180.9
50°	111.8	122.1	132.4	142.7	153.0	162.5	171.4	169.9	168.4	172.8	176.5
52.5°	103.7	114.0	125.0	135.3	145.6	153.7	161.1	160.3	159.6	164.0	169.2
55°	95.6	105.2	115.5	125.0	134.6	143.4	151.5	150.0	148.6	152.3	155.9
57.5°	86.8	96.4	105.2	114.7	123.6	130.9	137.5	135.3	133.1	137.5	142.0
60°	77.2	86.1	94.9	103.0	111.8	117.7	122.8	121.4	119.2	123.6	128.0
62.5°	68.4	76.5	84.6	91.9	100.0	104.4	108.9	107.4	105.9	110.3	115.5
65°	61.8	68.4	74.3	80.9	86.8	91.2	95.6	93.4	91.2	96.4	100.8
67.5°	55.2	60.3	66.2	71.3	76.5	80.2	83.8	82.4	80.2	83.8	87.5
70°	47.1	52.2	57.4	61.8	66.9	70.6	74.3	72.1	69.1	72.8	76.5
72.5°	39.7	44.1	48.5	52.2	56.6	59.6	62.5	60.3	58.1	61.0	64.0
75°	34.6	38.2	41.9	44.9	48.5	50.0	51.5	50.8	49.3	52.2	54.4
77.5°	27.9	30.9	34.6	37.5	40.5	40.5	40.5	41.2	41.2	44.1	47.8
80°	14.7	17.7	20.6	22.8	25.7	25.7	25.0	26.5	27.2	30.9	34.6
82.5°	0.0	2.2	4.4	6.6	8.8	8.1	6.6	7.4	7.4	8.8	10.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5
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: P596443
 CATALOG NUMBER: MSA-SA4C-722-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: P596443

CATALOG NUMBER: MSA-SA4C-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9
2.5°	1658.6	1649.8	1643.9	1638.7	1632.8	1627.0	1634.3	1641.7	1648.3	1655.6	1677.7
5°	1649.0	1649.0	1643.9	1638.7	1633.6	1628.4	1639.5	1649.8	1660.8	1671.1	1670.3
7.5°	1312.9	1309.9	1340.8	1371.0	1401.9	1432.0	1440.1	1448.2	1455.6	1463.7	1461.5
10°	1140.8	1181.2	1194.5	1207.7	1220.9	1234.2	1250.4	1266.6	1282.7	1298.9	1304.8
12.5°	998.8	1023.8	1066.5	1108.4	1151.1	1193.0	1214.3	1236.4	1257.7	1279.1	1321.0
15°	823.0	848.0	884.8	921.6	958.4	995.1	1029.0	1063.6	1097.4	1131.2	1182.0
17.5°	578.8	600.2	628.1	656.1	683.3	711.2	763.5	815.7	867.9	920.1	973.8
20°	397.2	401.6	414.8	428.8	442.0	455.3	502.4	550.2	597.2	644.3	714.9
22.5°	323.6	325.8	332.5	339.1	345.0	351.6	375.8	400.9	425.1	449.4	506.8
25°	286.8	286.8	291.3	295.7	300.1	304.5	317.7	331.0	343.5	356.7	393.5
27.5°	254.5	250.8	257.4	264.0	270.7	277.3	286.8	297.1	306.7	316.3	341.3
30°	243.5	239.8	247.9	256.0	264.0	272.1	281.7	291.3	300.1	309.7	326.6
32.5°	258.2	258.9	261.8	264.8	267.0	269.9	274.3	279.5	283.9	288.3	303.0
35°	205.2	205.2	210.4	215.5	219.9	225.1	233.2	241.2	249.3	257.4	272.9
37.5°	199.3	200.8	205.2	210.4	214.8	219.2	229.5	240.5	250.8	261.1	273.6
40°	193.4	194.9	200.8	206.7	212.6	218.4	228.7	238.3	248.6	258.2	269.9
42.5°	191.2	192.7	200.1	208.1	215.5	222.9	231.7	240.5	248.6	257.4	273.6
45°	188.3	191.2	200.1	209.6	218.4	227.3	235.4	243.5	251.5	259.6	279.5
47.5°	183.9	187.6	197.9	207.4	217.7	227.3	242.7	258.9	274.3	289.8	299.4
50°	180.9	184.6	195.6	206.7	217.7	228.7	253.8	278.8	303.0	328.0	322.9
52.5°	173.6	178.0	192.0	205.9	219.9	233.9	256.0	278.0	300.1	322.2	311.9
55°	159.6	163.3	179.5	195.6	211.1	227.3	243.5	259.6	275.1	291.3	279.5
57.5°	145.6	150.0	165.5	180.9	195.6	211.1	219.2	227.3	235.4	243.5	239.0
60°	132.4	136.8	157.4	178.0	198.6	219.2	211.8	204.5	196.4	189.0	194.2
62.5°	119.9	124.3	144.2	163.3	183.1	202.3	192.0	181.7	171.4	161.1	169.2
65°	105.9	110.3	117.7	125.8	133.1	140.5	139.7	138.3	137.5	136.1	144.9
67.5°	91.2	94.9	98.6	103.0	106.6	110.3	112.5	115.5	117.7	119.9	127.2
70°	79.4	83.1	87.5	91.2	95.6	99.3	100.8	102.2	103.0	104.4	111.1
72.5°	66.2	69.1	75.0	80.9	86.1	91.9	92.7	92.7	93.4	93.4	98.6
75°	57.4	59.6	64.0	68.4	72.1	76.5	78.7	80.9	82.4	84.6	87.5
77.5°	50.8	53.7	55.2	55.9	57.4	58.1	59.6	61.0	62.5	64.0	64.7
80°	37.5	41.2	42.7	43.4	44.9	45.6	45.6	44.9	44.9	44.1	44.9
82.5°	11.8	13.2	15.4	17.7	19.9	22.1	22.8	23.5	23.5	24.3	23.5
85°	2.2	2.9	4.4	5.9	6.6	8.1	7.4	5.9	5.1	3.7	2.9
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: P596443
 CATALOG NUMBER: MSA-SA4C-722-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: P596443

CATALOG NUMBER: MSA-SA4C-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9
2.5°	1699.8	1721.1	1743.2	1734.3	1725.5	1716.7	1707.9	1709.3	1711.5	1713.0	1714.5
5°	1669.6	1668.1	1667.4	1692.4	1718.2	1743.2	1768.2	1795.4	1823.3	1850.5	1877.8
7.5°	1459.3	1456.3	1454.1	1486.5	1518.8	1551.2	1583.6	1621.1	1659.3	1696.8	1734.3
10°	1310.7	1316.6	1322.5	1335.7	1349.7	1362.9	1376.1	1412.2	1448.2	1483.5	1519.6
12.5°	1362.9	1404.1	1446.0	1454.1	1461.5	1469.6	1476.9	1482.1	1487.2	1492.4	1497.5
15°	1233.5	1284.2	1335.0	1356.3	1376.9	1398.2	1418.8	1473.2	1526.9	1581.4	1635.0
17.5°	1027.5	1080.5	1134.2	1198.1	1262.1	1326.1	1390.1	1449.0	1507.8	1566.6	1625.5
20°	786.3	856.9	927.5	1008.4	1090.0	1170.9	1251.8	1310.7	1368.8	1427.6	1485.7
22.5°	564.9	622.2	679.6	777.4	874.5	972.3	1069.4	1171.7	1274.6	1376.9	1479.1
25°	430.3	466.3	503.1	599.4	695.8	791.4	887.8	1028.2	1168.7	1309.2	1449.7
27.5°	365.5	390.6	414.8	501.6	588.4	674.5	761.3	928.2	1095.2	1262.1	1429.1
30°	344.2	361.1	378.1	451.6	525.9	599.4	673.0	842.2	1011.3	1180.5	1349.7
32.5°	317.7	331.7	346.4	411.2	475.9	539.9	604.6	770.1	935.6	1100.3	1265.8
35°	287.6	303.0	317.7	382.5	447.2	511.2	575.9	747.3	918.7	1090.0	1261.4
37.5°	285.4	297.9	309.7	384.7	460.4	535.5	610.5	781.8	953.2	1123.9	1295.2
40°	282.4	294.2	306.0	382.5	458.2	534.7	610.5	789.9	969.4	1148.9	1328.3
42.5°	289.8	305.2	321.4	389.1	456.8	523.7	591.4	780.4	969.4	1157.7	1346.7
45°	300.1	319.9	339.8	401.6	463.4	525.2	586.9	792.1	997.4	1201.8	1407.0
47.5°	309.7	319.2	328.8	387.6	445.7	504.6	562.7	772.3	981.9	1191.5	1401.1
50°	318.5	313.3	308.2	372.9	437.6	501.6	566.3	766.4	965.7	1165.8	1365.1
52.5°	300.8	290.5	279.5	348.6	417.8	486.2	555.3	756.8	958.4	1159.9	1361.4
55°	267.7	256.0	244.2	312.6	380.3	448.7	516.3	717.1	917.9	1118.7	1319.5
57.5°	233.9	229.5	224.3	276.6	328.8	380.3	432.5	655.3	878.9	1101.8	1324.7
60°	199.3	203.7	208.9	246.4	283.9	320.7	358.2	576.6	794.4	1012.8	1230.5
62.5°	176.5	184.6	192.0	223.6	256.0	287.6	319.2	525.2	731.1	937.0	1143.0
65°	154.5	163.3	172.1	209.6	247.9	285.4	322.9	497.2	671.5	845.8	1020.2
67.5°	134.6	141.2	148.6	197.9	247.1	296.4	345.7	488.4	630.3	773.0	915.0
70°	117.7	123.6	130.2	187.6	244.9	302.3	359.7	481.0	603.1	724.5	845.8
72.5°	103.7	108.9	114.0	172.1	230.2	288.3	346.4	454.5	561.9	670.1	777.4
75°	90.5	92.7	95.6	144.9	193.4	242.7	291.3	363.3	436.2	508.2	580.3
77.5°	65.5	65.5	66.2	80.9	94.9	109.6	123.6	168.4	213.3	257.4	302.3
80°	44.9	45.6	45.6	51.5	56.6	62.5	67.7	77.2	86.1	95.6	104.4
82.5°	22.8	21.3	20.6	26.5	32.4	38.2	44.1	46.3	47.8	50.0	51.5
85°	2.2	0.7	0.0	3.7	7.4	11.0	14.7	17.7	20.6	23.5	26.5
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: P596443
 CATALOG NUMBER: MSA-SA4C-722-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: P596443

CATALOG NUMBER: MSA-SA4C-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9
2.5°	1708.6	1702.7	1696.8	1690.9	1727.0	1763.8	1799.8	1835.8	1938.1	2005.0	1997.7
5°	1904.2	1930.7	1957.2	1983.7	2026.3	2069.7	2112.4	2155.0	2306.6	2399.2	2412.5
7.5°	1775.5	1816.0	1857.2	1897.6	1980.0	2061.6	2144.0	2225.7	2350.0	2446.3	2500.7
10°	1565.9	1612.2	1657.8	1704.2	1796.9	1890.3	1982.9	2075.6	2215.4	2348.5	2416.9
12.5°	1570.3	1643.1	1715.9	1788.8	1869.7	1950.6	2030.7	2111.7	2197.0	2241.8	2338.2
15°	1692.4	1749.8	1807.2	1864.5	1970.4	2076.3	2181.5	2287.4	2338.2	2446.3	2558.8
17.5°	1737.3	1849.8	1961.6	2073.4	2205.8	2337.5	2469.8	2601.5	2697.1	2847.2	2963.4
20°	1654.2	1822.6	1990.3	2158.7	2340.4	2522.1	2703.7	2885.4	2989.9	3132.5	3312.0
22.5°	1657.8	1836.6	2014.6	2193.3	2444.1	2694.2	2945.0	3195.1	3475.3	3750.4	3837.9
25°	1683.6	1917.5	2150.6	2384.5	2674.3	2964.1	3253.9	3543.7	3882.0	4171.1	4287.3
27.5°	1692.4	1955.7	2218.3	2481.6	2893.5	3305.4	3717.3	4129.2	4533.0	4859.5	4983.8
30°	1671.1	1993.2	2314.7	2636.1	3141.4	3646.7	4152.0	4657.3	5040.5	5420.7	5575.2
32.5°	1676.2	2086.6	2497.1	2907.5	3502.5	4098.3	4693.3	5288.3	5533.3	5876.0	6148.1
35°	1711.5	2161.7	2611.1	3061.2	3719.5	4377.8	5036.0	5694.3	6095.9	6457.8	6688.7
37.5°	1793.9	2292.6	2790.5	3289.2	4098.3	4908.1	5717.1	6526.2	7147.7	7769.2	7875.1
40°	1855.0	2381.6	2908.2	3434.8	4374.1	5313.3	6252.6	7191.8	7895.0	8569.4	8641.5
42.5°	1924.1	2500.7	3078.1	3654.8	4705.1	5755.4	6805.7	7856.0	8670.2	9357.9	9405.7
45°	1999.9	2593.4	3186.2	3779.1	4879.4	5979.0	7079.3	8178.9	9129.9	9928.7	9748.5
47.5°	2035.9	2670.6	3305.4	3940.1	5119.9	6298.9	7478.7	8657.7	9510.9	10215.5	10005.2
50°	2063.8	2761.8	3460.6	4158.6	5395.7	6632.8	7870.0	9107.1	9962.5	10612.7	10283.2
52.5°	2142.5	2922.9	3704.0	4484.4	5800.2	7115.3	8431.2	9746.3	10573.7	11171.0	10709.1
55°	2219.0	3117.8	4017.4	4916.2	6331.3	7747.1	9162.3	10577.4	11401.2	11913.1	11285.7
57.5°	2315.4	3306.9	4297.6	5288.3	6802.0	8315.7	9828.6	11342.3	12147.7	12713.3	12061.7
60°	2290.4	3349.5	4409.4	5468.5	7010.2	8551.8	10093.4	11635.1	12592.0	13287.0	12845.0
62.5°	2193.3	3243.6	4293.2	5343.5	6857.9	8371.6	9886.0	11399.7	12546.4	13487.8	13339.2
65°	1996.9	2972.9	3949.7	4925.7	6371.7	7818.5	9264.5	10710.5	12125.6	13323.8	13376.8
67.5°	1738.7	2562.5	3385.6	4209.3	5558.3	6907.2	8255.4	9604.3	11274.7	12672.1	12829.5
70°	1465.1	2083.7	2703.0	3321.6	4508.7	5695.8	6882.2	8069.3	9805.8	11212.1	11509.3
72.5°	1174.6	1572.5	1969.7	2366.9	3223.7	4079.9	4936.8	5792.9	7320.5	8412.0	8930.6
75°	761.3	942.2	1123.1	1304.1	1874.8	2444.8	3015.6	3585.6	4599.9	5403.8	5990.0
77.5°	339.1	375.8	411.9	448.7	889.2	1329.8	1770.4	2210.9	2651.5	3137.0	3274.5
80°	121.4	137.5	154.5	170.6	386.9	603.9	820.1	1036.3	1249.6	1500.4	1561.5
82.5°	50.8	50.8	50.0	49.3	126.5	203.7	281.0	358.2	414.1	475.9	487.6
85°	20.6	15.4	9.6	3.7	16.2	29.4	41.9	54.4	87.5	79.4	147.1
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: P596443
 CATALOG NUMBER: MSA-SA4C-722-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: P596443

CATALOG NUMBER: MSA-SA4C-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9
2.5°	1969.7	1968.2	1966.8	1965.3	1963.8	1937.3	1911.6	1885.1	1859.4	1891.7	1924.1
5°	2391.1	2429.4	2467.6	2506.6	2544.9	2555.9	2566.9	2578.0	2589.0	2612.5	2636.1
7.5°	2546.3	2611.1	2675.1	2739.8	2803.8	2863.3	2922.2	2981.8	3041.3	3026.6	3011.9
10°	2492.6	2609.6	2726.5	2844.2	2961.2	2986.9	3012.7	3039.1	3064.9	3131.8	3198.7
12.5°	2434.5	2575.0	2715.5	2856.0	2996.5	3074.4	3151.7	3229.6	3307.6	3375.3	3442.9
15°	2710.4	2800.1	2889.8	2980.3	3070.0	3138.4	3206.1	3274.5	3342.2	3389.2	3435.6
17.5°	3073.0	3117.1	3161.2	3206.1	3250.2	3303.9	3357.6	3411.3	3465.0	3492.9	3520.9
20°	3456.2	3475.3	3494.4	3513.5	3532.7	3490.0	3447.3	3404.7	3362.0	3388.5	3414.2
22.5°	3840.8	3847.5	3854.8	3861.4	3868.1	3768.8	3669.5	3570.2	3470.9	3429.0	3387.0
25°	4432.9	4384.4	4335.8	4287.3	4238.8	4121.1	4003.4	3885.7	3768.0	3664.3	3560.6
27.5°	5074.3	4909.5	4745.5	4580.8	4416.7	4299.1	4181.4	4063.7	3946.0	3790.1	3634.2
30°	5720.8	5455.3	5190.5	4925.0	4660.2	4520.5	4380.7	4240.2	4100.5	3944.5	3789.4
32.5°	6313.6	5994.4	5675.2	5355.3	5036.0	4800.7	4565.3	4330.0	4094.6	3985.7	3876.9
35°	6805.0	6427.6	6050.3	5672.3	5294.9	5061.8	4828.6	4595.5	4362.3	4200.5	4039.4
37.5°	7644.9	7220.5	6796.1	6371.7	5947.3	5628.9	5311.1	4992.7	4674.2	4566.1	4457.9
40°	8419.4	7884.7	7350.0	6815.3	6280.5	6013.5	5747.3	5480.3	5214.0	5036.8	4860.3
42.5°	9035.0	8471.6	7909.0	7345.6	6782.2	6518.1	6254.8	5990.7	5726.7	5608.3	5490.6
45°	9168.2	8637.1	8106.8	7575.8	7044.7	6891.0	6738.0	6584.3	6431.3	6349.7	6268.8
47.5°	9430.7	8854.8	8279.7	7703.8	7127.8	7058.7	6989.6	6919.7	6850.6	6889.5	6928.5
50°	9577.8	8990.2	8402.5	7814.8	7227.1	7247.0	7266.1	7286.0	7305.8	7582.4	7858.2
52.5°	9863.2	9269.7	8676.1	8082.5	7489.0	7614.0	7738.3	7863.4	7987.7	8368.7	8748.9
55°	10372.9	9789.7	9206.4	8622.4	8039.1	8203.9	8368.7	8534.1	8698.9	9103.4	9507.2
57.5°	11128.3	10549.4	9971.3	9392.5	8814.4	8978.4	9142.4	9306.4	9470.5	9836.0	10200.8
60°	12079.3	11485.0	10891.5	10297.2	9703.6	9765.4	9826.4	9888.2	9950.0	10342.8	10734.8
62.5°	12820.0	12273.5	11727.7	11181.3	10635.5	10567.1	10499.4	10431.0	10363.4	10662.0	10959.9
65°	12992.1	12607.4	12223.5	11838.8	11454.1	11243.8	11034.1	10823.8	10613.4	10734.1	10854.7
67.5°	12499.3	12239.7	11980.8	11721.1	11461.5	11022.4	10583.3	10143.4	9704.3	9640.4	9576.4
70°	11355.6	11213.6	11072.4	10930.4	10789.2	10112.6	9436.6	8759.9	8084.0	7921.5	7758.9
72.5°	8960.7	9049.0	9137.3	9226.3	9314.5	8590.0	7866.3	7141.8	6417.3	6211.4	6006.2
75°	6318.8	6618.1	6917.5	7216.8	7516.2	6855.7	6196.0	5535.5	4875.0	4677.1	4480.0
77.5°	3426.0	3987.2	4548.4	5109.6	5670.8	5125.8	4581.5	4036.5	3491.5	3353.9	3217.1
80°	1624.0	1947.6	2270.5	2594.2	2917.8	2794.9	2672.1	2548.5	2425.7	2455.9	2486.0
82.5°	497.9	731.8	965.7	1199.6	1433.5	1451.9	1469.6	1487.9	1506.3	1551.9	1596.8
85°	167.0	228.7	290.5	352.3	414.1	522.9	631.8	741.4	850.3	779.6	709.8
87.5°	0.0	2.2	3.7	5.9	7.4	22.8	38.2	53.7	69.1	59.6	50.8
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



REPORT NUMBER: P596443
 CATALOG NUMBER: MSA-SA4C-722-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: P596443

CATALOG NUMBER: MSA-SA4C-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9
2.5°	1957.2	1989.6	1990.3	1991.8	1992.5	1993.2	1996.9	2000.6	2005.0	2008.7	1984.4
5°	2660.3	2683.9	2640.5	2597.1	2553.0	2509.6	2548.5	2587.5	2626.5	2665.5	2648.6
7.5°	2996.5	2981.8	2976.6	2972.2	2967.1	2962.6	2977.4	2992.1	3006.8	3021.5	3020.0
10°	3265.7	3332.6	3348.8	3365.0	3381.9	3398.1	3364.2	3330.4	3296.6	3262.7	3248.8
12.5°	3510.6	3578.3	3632.0	3685.6	3740.1	3793.8	3745.2	3697.4	3648.9	3601.1	3555.5
15°	3482.6	3529.0	3573.1	3617.2	3661.4	3705.5	3689.3	3673.9	3657.7	3641.5	3634.2
17.5°	3549.6	3577.5	3567.2	3556.9	3545.9	3535.6	3530.5	3526.0	3520.9	3515.7	3498.1
20°	3440.7	3467.2	3460.6	3454.7	3448.1	3441.5	3437.0	3432.6	3428.2	3423.8	3409.8
22.5°	3345.1	3303.2	3292.2	3281.9	3270.8	3260.5	3262.0	3263.5	3264.2	3265.7	3328.9
25°	3456.9	3353.2	3312.7	3272.3	3231.1	3190.7	3209.0	3226.7	3245.1	3263.5	3354.7
27.5°	3477.5	3321.6	3256.8	3192.1	3127.4	3062.7	3128.9	3195.1	3261.3	3327.5	3475.3
30°	3633.4	3478.2	3387.8	3298.0	3207.6	3117.8	3202.4	3287.0	3371.6	3456.2	3616.5
32.5°	3767.3	3658.4	3593.7	3529.0	3464.3	3399.5	3403.2	3406.2	3409.8	3413.5	3639.3
35°	3877.6	3716.5	3657.7	3599.6	3540.8	3482.6	3570.2	3657.7	3745.2	3832.8	4035.8
37.5°	4349.8	4241.7	4133.6	4026.2	3918.1	3810.7	3880.6	3950.4	4021.0	4090.9	4315.2
40°	4683.0	4506.5	4478.5	4451.3	4423.4	4396.2	4432.2	4467.5	4503.5	4539.6	4736.0
42.5°	5372.2	5253.8	5178.0	5103.0	5027.2	4952.2	4980.9	5009.6	5039.0	5067.7	5253.8
45°	6187.1	6105.5	6055.5	6005.5	5954.7	5904.7	5861.3	5818.6	5775.2	5732.6	5921.6
47.5°	6967.5	7006.5	7116.8	7226.4	7336.7	7446.3	7356.6	7266.9	7176.4	7086.7	7087.4
50°	8134.8	8410.6	8466.5	8521.6	8577.5	8632.7	8441.5	8250.2	8058.3	7867.0	7844.2
52.5°	9129.9	9510.2	9530.0	9549.9	9570.5	9590.3	9513.1	9435.9	9357.9	9280.7	9075.5
55°	9911.8	10315.6	10342.8	10369.2	10396.5	10422.9	10355.3	10288.3	10220.7	10153.0	9945.6
57.5°	10566.4	10931.2	10947.4	10962.8	10979.0	10995.2	11000.3	11005.5	11011.3	11016.5	10736.3
60°	11127.6	11520.3	11488.0	11456.3	11424.0	11392.3	11343.8	11295.3	11246.7	11198.2	11017.2
62.5°	11258.5	11557.1	11507.1	11457.8	11407.8	11358.5	11317.3	11276.9	11235.7	11194.5	11079.0
65°	10975.3	11095.9	11044.4	10993.0	10940.7	10889.3	10862.8	10837.0	10810.6	10784.1	10769.4
67.5°	9511.6	9447.6	9508.7	9569.7	9630.8	9691.8	9775.0	9858.1	9941.9	10025.0	9976.5
70°	7595.6	7433.1	7500.7	7567.7	7635.3	7702.3	7828.1	7953.8	8080.3	8206.1	8172.3
72.5°	5800.2	5594.3	5603.9	5613.4	5623.7	5633.3	5629.6	5626.7	5623.0	5619.3	5678.2
75°	4282.1	4084.3	3990.9	3897.5	3804.1	3710.7	3687.9	3665.1	3642.3	3619.5	3729.0
77.5°	3079.6	2942.8	2878.8	2815.5	2751.5	2688.3	2720.7	2753.0	2786.1	2818.5	2856.7
80°	2516.9	2547.1	2497.8	2449.3	2400.0	2350.7	2387.5	2423.5	2460.3	2497.1	2383.1
82.5°	1642.4	1687.3	1535.7	1384.2	1232.7	1081.2	1173.1	1265.1	1357.8	1449.7	1402.6
85°	639.2	569.3	485.4	402.3	318.5	234.6	305.2	375.8	446.5	517.1	564.1
87.5°	41.2	32.4	25.7	19.1	11.8	5.1	11.0	16.9	23.5	29.4	49.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596443
 CATALOG NUMBER: MSA-SA4C-722-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: P596443

CATALOG NUMBER: MSA-SA4C-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9	1554.9
2.5°	1960.9	1936.6	1913.1	1866.7	1820.4	1774.1	1727.7	1792.4	1857.2	1921.9	1986.6
5°	2632.4	2615.5	2599.3	2603.7	2608.1	2613.3	2617.7	2627.2	2636.8	2645.6	2655.2
7.5°	3019.3	3017.8	3016.3	2982.5	2948.7	2914.1	2880.3	2897.2	2914.1	2931.0	2947.9
10°	3235.5	3221.5	3207.6	3133.3	3059.0	2984.0	2909.7	2877.3	2844.2	2811.9	2779.5
12.5°	3509.9	3463.5	3417.9	3338.5	3259.8	3180.4	3100.9	3071.5	3041.3	3011.9	2981.8
15°	3627.5	3620.2	3613.6	3556.9	3499.6	3442.9	3385.6	3284.8	3183.3	3082.5	2981.8
17.5°	3480.4	3462.1	3444.4	3534.1	3623.1	3712.9	3802.6	3698.2	3593.7	3489.3	3384.8
20°	3395.9	3381.9	3367.9	3534.9	3701.1	3868.1	4034.3	3987.9	3940.9	3894.5	3848.2
22.5°	3392.2	3456.2	3519.4	3665.8	3811.4	3957.8	4103.4	4183.6	4264.5	4344.7	4424.8
25°	3445.9	3537.8	3629.0	3871.7	4114.5	4357.9	4600.6	4692.6	4783.8	4875.7	4966.9
27.5°	3622.4	3770.2	3917.3	4129.2	4341.0	4553.6	4765.4	4966.2	5167.7	5368.5	5569.3
30°	3776.1	3936.5	4096.8	4349.1	4600.6	4852.9	5104.5	5356.0	5607.5	5859.1	6110.6
32.5°	3865.1	4091.7	4317.5	4624.2	4930.1	5236.8	5543.6	5819.4	6095.2	6370.3	6646.1
35°	4238.8	4442.5	4645.5	4984.6	5323.6	5663.4	6002.5	6343.8	6685.1	7025.6	7366.9
37.5°	4539.6	4764.6	4989.0	5359.7	5729.6	6100.3	6471.0	6942.5	7414.7	7886.2	8357.6
40°	4932.3	5128.7	5325.1	5672.3	6018.7	6365.9	6713.0	7311.0	7909.0	8506.2	9104.2
42.5°	5439.1	5625.2	5811.3	6182.7	6554.1	6925.6	7297.0	7959.0	8620.9	9282.2	9944.1
45°	6110.6	6300.4	6489.4	6785.1	7080.8	7376.4	7672.1	8376.0	9079.2	9783.0	10486.2
47.5°	7088.1	7088.9	7089.6	7302.9	7516.2	7730.2	7943.5	8652.6	9360.9	10069.9	10778.2
50°	7821.4	7797.9	7775.1	7885.4	7995.0	8105.3	8215.7	8868.1	9521.2	10173.6	10826.0
52.5°	8871.0	8665.8	8461.3	8526.8	8591.5	8657.0	8721.7	9274.1	9827.2	10379.5	10931.9
55°	9738.9	9531.5	9324.1	9299.8	9275.5	9251.3	9227.0	9735.2	10243.5	10751.7	11260.0
57.5°	10456.8	10176.5	9897.0	9841.1	9786.0	9730.1	9674.2	10210.4	10745.8	11282.0	11817.5
60°	10837.0	10656.1	10475.2	10439.1	10402.3	10366.3	10329.5	10769.4	11209.2	11649.0	12088.9
62.5°	10964.3	10848.8	10734.1	10801.7	10869.4	10937.8	11005.5	11198.9	11391.6	11585.0	11777.8
65°	10755.4	10740.7	10726.0	10865.0	11003.3	11142.3	11281.3	11233.5	11184.9	11137.1	11089.3
67.5°	9928.7	9880.1	9832.3	10137.6	10442.1	10747.3	11052.5	10820.8	10588.4	10356.7	10125.1
70°	8138.4	8103.9	8070.0	8509.9	8949.7	9390.3	9830.1	9549.1	9268.2	8987.2	8706.3
72.5°	5736.3	5795.1	5853.9	6372.5	6890.3	7408.8	7926.6	7643.4	7360.3	7077.1	6793.9
75°	3837.9	3947.5	4057.1	4591.1	5125.0	5659.8	6193.7	5861.3	5528.8	5196.4	4863.9
77.5°	2895.0	2933.2	2971.5	3309.1	3646.7	3985.0	4322.6	4048.3	3773.2	3498.8	3223.7
80°	2269.1	2154.3	2040.3	2151.4	2262.4	2373.5	2484.6	2320.5	2156.5	1993.2	1829.2
82.5°	1355.5	1308.5	1261.4	1321.7	1381.3	1441.6	1501.9	1431.3	1360.0	1289.4	1218.0
85°	610.5	657.5	703.9	764.9	825.2	886.3	947.3	848.8	750.2	651.7	553.1
87.5°	68.4	88.3	108.1	133.9	159.6	185.3	211.1	164.8	117.7	71.3	25.0
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: P596443
 CATALOG NUMBER: MSA-SA4C-722-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: P596443
 CATALOG NUMBER: MSA-SA4C-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1554.9	1554.9
2.5°	2024.1	2061.6
5°	2654.5	2653.0
7.5°	2903.8	2858.9
10°	2738.3	2697.1
12.5°	2876.6	2771.4
15°	2902.3	2822.9
17.5°	3255.4	3125.2
20°	3681.2	3513.5
22.5°	4195.4	3965.1
25°	4693.3	4419.7
27.5°	5405.3	5240.5
30°	5944.4	5777.4
32.5°	6532.8	6419.5
35°	7254.4	7141.1
37.5°	8387.0	8415.7
40°	9121.8	9139.5
42.5°	10012.5	10080.9
45°	10562.7	10639.2
47.5°	10884.8	10991.5
50°	10998.1	11170.2
52.5°	11144.5	11356.3
55°	11496.0	11732.1
57.5°	12005.8	12194.1
60°	12097.7	12106.5
62.5°	11641.7	11505.6
65°	10944.4	10799.5
67.5°	10037.5	9949.3
70°	8590.0	8473.8
72.5°	6577.7	6361.4
75°	4596.2	4328.5
77.5°	3083.3	2942.8
80°	1833.6	1837.3
82.5°	1251.8	1284.9
85°	546.5	539.1
87.5°	17.7	9.6
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0



REPORT NUMBER: P596443
CATALOG NUMBER: MSA-SA4C-722-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)