

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: P368217

Luminaire Tested: **MSA-SA4A-730-U-SLR-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P368217
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-SA4A-730-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: 10299 lumens
Efficiency: N/A
Efficacy: 79.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

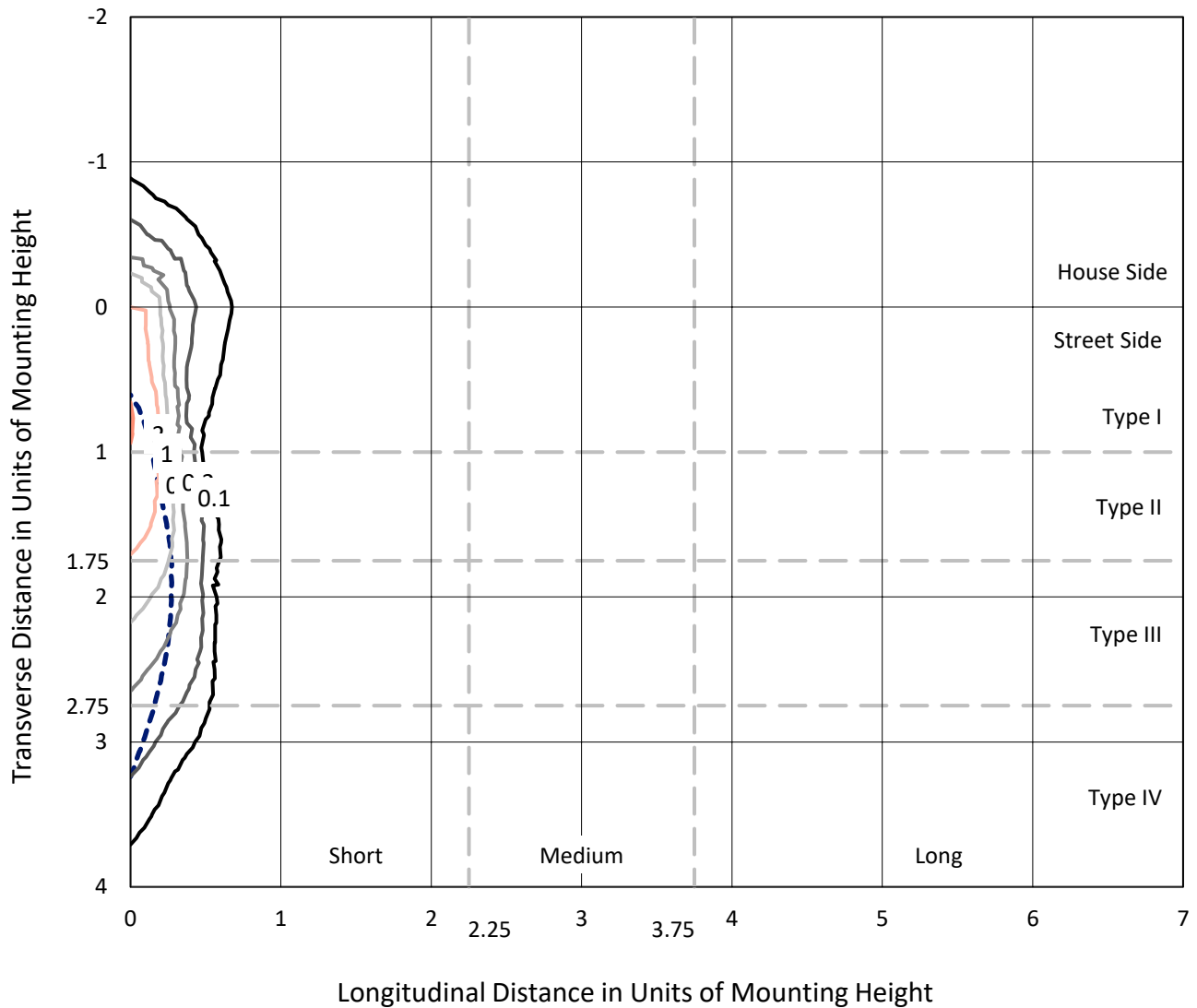
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

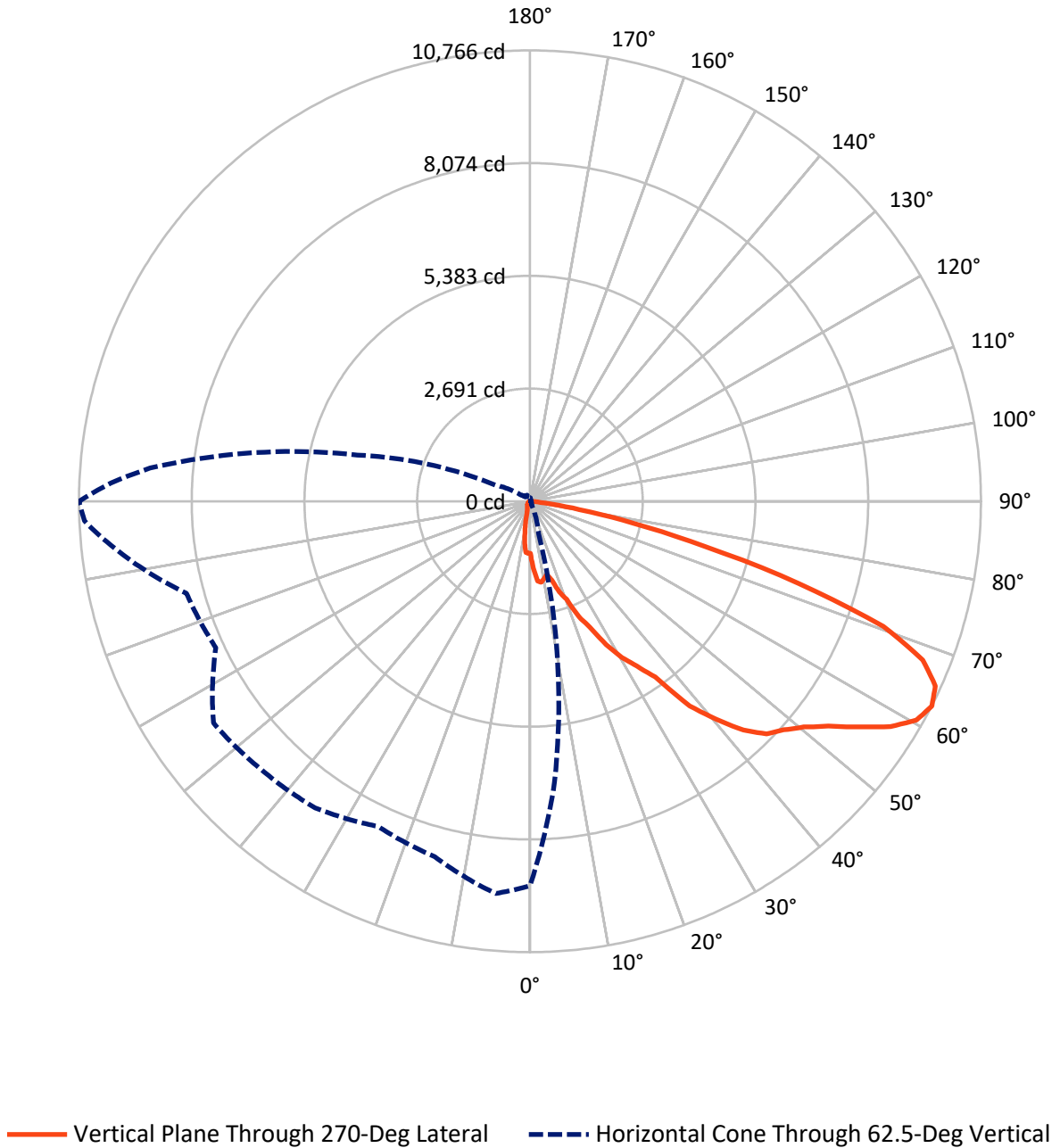
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1719.8	0.0	1719.8
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	8579.2	0.0	8579.2
	% Fixture	83.3	0.0	83.3
Total	Lumens	10299.0	0.0	10299.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.7	1.3
10°-20°	362.2	3.5
20°-30°	585.5	5.7
30°-40°	980.6	9.5
40°-50°	1603.0	15.6
50°-60°	2373.0	23.0
60°-70°	2724.2	26.5
70°-80°	1347.0	13.1
80°-90°	185.0	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	10299.0	100.0
0°-180°	10299.0	100.0

Coefficient of Utilization

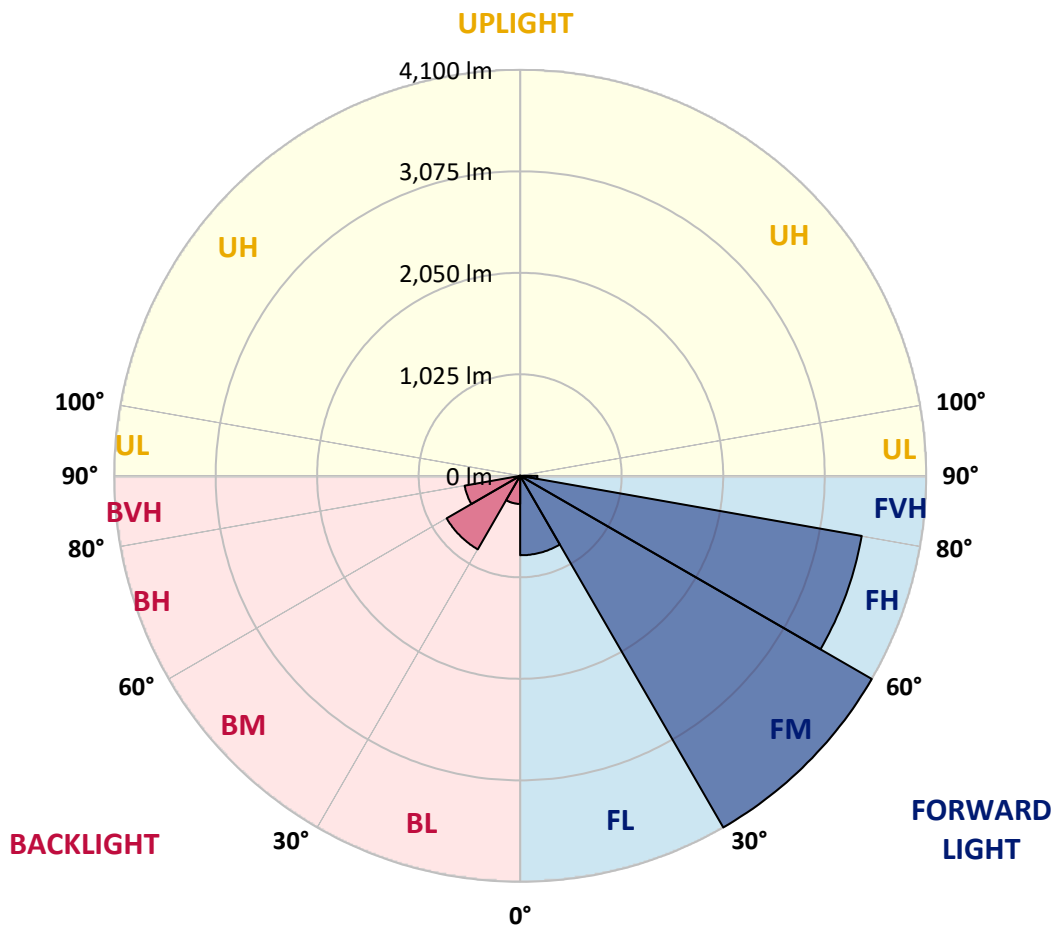


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	802.4	7.8			
FM (30°-60°)	4099.5	39.8			
FH (60°-80°)	3502.1	34.0			G2/5000
FVH (80°-90°)	175.2	1.7			G2/225
BL (0°-30°)	284.0	2.8	B1/500		
BM (30°-60°)	857.0	8.3	B1/1000		
BH (60°-80°)	569.0	5.5	B2/1000		G2/1000
BVH (80°-90°)	9.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1
2.5°	1645.6	1666.1	1686.1	1647.9	1609.8	1571.6	1533.4	1499.4	1465.3	1430.7	1396.7
5°	2117.6	2080.0	2042.4	1990.8	1939.1	1887.4	1835.8	1811.7	1787.6	1763.6	1739.5
7.5°	2282.0	2215.0	2147.5	2101.7	2056.5	2010.7	1964.9	1892.7	1819.9	1747.7	1674.9
10°	2152.8	2081.8	2010.1	1970.2	1930.3	1890.4	1850.5	1760.6	1670.2	1580.4	1490.0
12.5°	2212.1	2135.2	2058.3	1976.1	1893.9	1811.7	1729.5	1660.8	1591.6	1522.9	1453.6
15°	2253.2	2165.1	2076.5	1982.6	1888.6	1794.7	1700.8	1619.7	1539.3	1458.3	1377.3
17.5°	2494.5	2368.3	2242.0	2097.6	1953.2	1808.8	1664.4	1570.4	1477.1	1383.2	1289.2
20°	2804.5	2625.4	2445.8	2250.3	2054.8	1859.3	1663.8	1546.9	1430.1	1313.3	1196.5
22.5°	3164.9	2941.2	2717.0	2475.7	2235.0	1993.7	1752.4	1584.5	1416.6	1248.7	1080.8
25°	3527.7	3325.8	3123.8	2799.2	2474.5	2149.3	1824.6	1611.5	1397.8	1184.7	971.0
27.5°	4182.9	3821.9	3460.8	3047.5	2634.8	2221.5	1808.2	1564.0	1319.7	1074.9	830.7
30°	4611.5	4333.8	4055.5	3509.5	2964.1	2418.2	1872.2	1562.8	1253.4	943.4	634.0
32.5°	5124.0	4717.7	4310.9	3718.5	3126.2	2533.8	1941.5	1578.1	1214.1	850.7	486.7
35°	5699.9	5257.8	4815.8	4065.5	3315.2	2564.3	1814.1	1461.8	1109.6	757.3	405.1
37.5°	6717.3	5977.6	5237.9	4363.1	3487.8	2613.1	1737.7	1386.1	1033.8	682.2	329.9
40°	7295.0	6588.7	5882.5	4789.4	3696.2	2603.1	1510.0	1197.6	885.9	573.6	261.2
42.5°	8046.5	7150.6	6254.1	5032.4	3810.7	2589.0	1367.3	1078.5	789.6	500.2	211.3
45°	8492.0	7477.0	6461.9	5138.1	3814.2	2490.4	1166.5	916.4	666.3	416.2	166.1
47.5°	8773.3	7755.3	6737.3	5316.0	3895.2	2473.9	1052.6	822.5	592.4	362.2	132.1
50°	8915.9	7895.0	6873.5	5412.8	3952.2	2491.0	1030.3	801.4	571.8	342.9	113.3
52.5°	9064.4	8079.9	7094.8	5580.7	4066.7	2552.6	1038.5	804.9	571.8	338.2	104.5
55°	9364.4	8393.4	7421.8	5821.4	4221.1	2620.7	1020.3	790.2	560.1	329.3	99.2
57.5°	9733.1	8695.2	7656.6	5997.6	4338.5	2679.4	1020.3	789.0	557.7	325.8	94.5
60°	9663.3	8536.7	7409.5	5799.7	4190.0	2579.6	969.8	749.7	530.1	310.0	89.8
62.5°	9183.6	7960.7	6737.3	5249.6	3761.4	2273.7	785.5	610.0	434.4	258.3	82.8
65°	8620.0	7322.0	6023.4	4654.3	3284.7	1915.6	546.0	428.6	310.6	193.1	75.1
67.5°	7941.4	6557.0	5172.7	3955.1	2738.1	1520.5	302.9	244.2	185.5	126.2	67.5
70°	6763.7	5334.8	3905.2	2969.4	2034.2	1098.4	162.6	137.4	112.1	86.9	61.6
72.5°	5077.6	3768.4	2459.3	1868.1	1277.5	686.3	95.1	85.7	75.7	66.3	56.4
75°	3454.9	2473.9	1492.9	1136.6	780.8	424.5	68.1	63.4	58.1	53.4	48.1
77.5°	2348.9	1699.0	1049.1	800.8	552.4	304.1	55.8	52.8	49.9	46.4	43.4
80°	1466.5	1003.9	541.3	416.8	291.8	167.3	42.3	40.5	38.7	36.4	34.6
82.5°	1025.6	613.5	201.4	157.3	113.3	68.7	24.7	25.2	25.8	25.8	26.4
85°	430.3	232.5	34.6	29.4	24.1	18.8	13.5	14.7	16.4	17.6	18.8
87.5°	7.6	4.1	0.0	1.2	2.9	4.1	5.3	7.0	8.2	10.0	11.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1
2.5°	1405.5	1414.3	1422.5	1431.3	1424.2	1417.8	1410.7	1403.7	1393.1	1383.2	1372.6
5°	1710.2	1680.8	1651.4	1622.1	1577.5	1532.9	1487.6	1443.0	1437.7	1432.5	1426.6
7.5°	1606.2	1537.6	1468.3	1399.6	1335.0	1270.4	1205.9	1141.3	1121.3	1101.9	1082.0
10°	1437.2	1384.3	1330.9	1278.1	1231.7	1184.7	1138.3	1091.4	1042.6	993.9	944.6
12.5°	1398.4	1343.2	1287.5	1232.3	1190.0	1147.7	1105.5	1063.2	1008.6	954.0	899.4
15°	1317.4	1257.5	1197.6	1137.8	1081.4	1025.0	968.1	911.7	846.0	780.2	714.5
17.5°	1218.2	1147.7	1076.7	1005.7	931.7	857.7	783.7	709.8	634.0	558.9	483.2
20°	1100.2	1003.9	907.0	810.8	719.2	627.6	535.4	443.8	396.3	349.3	301.8
22.5°	956.3	831.3	706.8	581.8	506.6	430.9	355.8	280.0	259.5	238.9	218.4
25°	829.5	688.1	546.6	405.1	357.5	310.0	262.4	214.9	205.5	195.5	186.1
27.5°	697.4	564.8	431.5	298.2	271.2	243.6	216.6	189.0	182.6	176.7	170.3
30°	534.8	435.6	335.8	236.6	219.0	201.4	183.2	165.6	162.6	159.1	156.2
32.5°	414.5	341.7	269.5	196.7	186.7	176.7	166.7	156.7	152.1	147.4	142.1
35°	346.4	288.3	229.5	170.8	163.8	156.2	149.1	141.5	136.8	131.5	126.8
37.5°	287.1	244.8	202.0	159.1	151.5	143.8	135.6	128.0	124.5	120.9	117.4
40°	236.6	211.9	187.3	162.6	151.5	140.3	129.2	118.0	115.1	112.1	109.2
42.5°	195.5	179.6	163.2	147.4	139.1	131.5	123.3	115.1	111.0	106.3	102.2
45°	157.9	149.1	140.9	132.1	132.7	133.3	133.3	133.9	123.3	112.1	101.6
47.5°	128.0	123.9	119.2	115.1	119.8	124.5	128.6	133.3	122.1	111.0	99.2
50°	109.8	106.8	103.3	99.8	104.5	109.8	114.5	119.2	114.5	110.4	105.7
52.5°	100.4	96.3	92.2	88.1	89.8	92.2	93.9	95.7	95.7	95.7	95.7
55°	94.5	90.4	85.7	81.0	79.3	76.9	75.1	72.8	69.9	67.5	64.6
57.5°	89.8	85.1	79.8	75.1	72.2	68.7	65.8	62.2	59.3	55.8	52.8
60°	85.1	80.4	75.1	70.4	67.5	64.6	61.1	58.1	54.6	51.7	48.1
62.5°	78.7	74.6	70.4	66.3	63.4	61.1	58.1	55.2	51.7	48.1	44.0
65°	71.6	68.7	65.2	61.6	58.7	55.8	52.8	49.9	46.4	43.4	39.9
67.5°	65.2	62.2	59.9	56.9	53.4	50.5	47.0	43.4	41.1	38.7	35.8
70°	59.9	57.5	55.8	53.4	49.9	47.0	43.4	39.9	38.2	35.8	34.1
72.5°	54.6	52.8	50.5	48.7	45.8	42.9	39.9	37.0	35.2	33.5	31.7
75°	47.0	45.8	44.6	43.4	40.5	37.6	34.1	31.1	30.5	29.9	29.4
77.5°	42.3	41.7	40.5	39.3	36.4	33.5	30.5	27.6	28.2	28.8	28.8
80°	34.6	34.6	34.1	34.1	31.7	29.4	26.4	24.1	25.2	27.0	28.2
82.5°	26.4	26.4	26.4	26.4	24.1	21.7	19.4	17.0	18.8	20.0	21.7
85°	18.2	17.6	17.0	16.4	14.7	13.5	11.7	10.0	12.3	14.1	16.4
87.5°	11.2	11.7	11.7	11.7	10.6	8.8	7.6	5.9	7.0	7.6	8.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: MSA-SA4A-730-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: P368217
 CATALOG NUMBER: MSA-SA4A-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1
2.5°	1362.0	1344.4	1326.8	1308.6	1291.0	1249.9	1208.8	1167.7	1126.6	1157.1	1187.1
5°	1421.3	1387.3	1352.6	1318.6	1283.9	1268.7	1254.0	1238.7	1223.5	1225.8	1228.7
7.5°	1062.0	1039.7	1017.4	994.5	972.2	967.5	963.4	958.7	954.0	964.0	973.4
10°	895.9	864.8	833.1	801.9	770.2	753.2	736.2	719.2	702.1	700.4	698.0
12.5°	844.8	797.2	750.3	702.7	655.2	618.2	581.2	544.2	507.2	510.2	513.1
15°	648.7	601.2	554.2	506.6	459.1	429.2	398.6	368.7	338.2	329.3	320.5
17.5°	407.4	372.2	337.0	301.2	265.9	256.0	246.6	236.6	226.6	223.7	220.7
20°	254.2	238.9	223.7	207.8	192.6	190.2	187.9	185.5	183.2	184.9	186.7
22.5°	197.8	191.4	184.3	177.9	170.8	168.5	166.1	163.8	161.4	163.2	164.4
25°	176.1	171.4	166.7	162.0	157.3	155.0	152.1	149.7	146.8	147.9	149.7
27.5°	163.8	159.7	155.6	151.5	147.4	143.2	139.7	135.6	131.5	133.9	135.6
30°	152.6	147.9	143.8	139.1	134.4	130.3	126.2	121.5	117.4	119.8	122.1
32.5°	137.4	133.3	128.6	124.5	119.8	117.4	115.1	112.1	109.8	111.5	112.7
35°	121.5	118.0	115.1	111.5	108.0	105.7	103.9	101.6	99.2	99.8	101.0
37.5°	113.9	109.8	105.7	101.6	97.5	96.3	95.1	93.3	92.2	92.2	92.2
40°	106.3	102.2	98.0	93.3	89.2	87.5	85.7	84.0	82.2	82.2	82.2
42.5°	97.5	93.3	89.2	85.1	81.0	79.3	76.9	75.1	72.8	72.8	72.8
45°	90.4	86.3	82.8	78.7	74.6	71.6	68.7	65.2	62.2	61.6	61.1
47.5°	88.1	82.2	76.3	70.4	64.6	61.6	58.7	55.2	52.2	51.7	51.1
50°	101.0	89.2	77.5	65.8	54.0	51.7	49.3	47.0	44.6	43.4	42.9
52.5°	95.7	83.4	71.0	58.7	46.4	44.6	42.9	41.1	39.3	38.2	37.0
55°	61.6	56.4	51.7	46.4	41.1	39.9	38.7	37.0	35.8	34.6	33.5
57.5°	49.3	46.4	44.0	41.1	38.2	37.0	35.8	34.1	32.9	31.1	29.9
60°	44.6	42.3	39.9	37.6	35.2	34.1	32.9	31.7	30.5	28.8	27.6
62.5°	40.5	38.7	37.0	35.2	33.5	32.3	31.1	29.9	28.8	27.0	25.2
65°	36.4	35.2	34.1	32.9	31.7	30.5	29.4	27.6	26.4	24.7	22.9
67.5°	33.5	32.9	32.3	31.7	31.1	29.9	28.2	27.0	25.2	23.5	21.1
70°	31.7	31.7	31.7	31.1	31.1	29.9	28.2	27.0	25.2	22.9	21.1
72.5°	29.9	30.5	31.1	31.1	31.7	29.9	28.2	26.4	24.7	22.3	20.5
75°	28.8	29.4	29.9	29.9	30.5	29.4	28.2	26.4	25.2	22.9	20.5
77.5°	29.4	29.9	29.9	30.5	30.5	29.4	28.2	26.4	25.2	22.3	19.4
80°	29.4	28.8	28.2	27.0	26.4	24.1	21.7	18.8	16.4	12.9	10.0
82.5°	22.9	21.7	21.1	20.0	18.8	16.4	14.1	11.7	9.4	7.0	4.7
85°	18.2	17.0	16.4	15.3	14.1	12.3	10.0	8.2	5.9	4.7	2.9
87.5°	9.4	8.8	7.6	7.0	5.9	4.7	2.9	1.8	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: P368217
 CATALOG NUMBER: MSA-SA4A-730-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: P368217
 CATALOG NUMBER: MSA-SA4A-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1
2.5°	1217.6	1247.5	1243.4	1239.3	1258.7	1278.1	1264.0	1250.5	1236.4	1222.3	1192.9
5°	1231.1	1233.4	1229.3	1224.6	1225.2	1225.8	1216.4	1207.0	1197.6	1188.2	1186.5
7.5°	983.4	992.7	1005.7	1018.0	1018.6	1018.6	1011.5	1004.5	996.9	989.8	993.3
10°	696.3	693.9	697.4	701.0	700.4	699.2	718.0	736.8	755.0	773.8	760.3
12.5°	515.5	518.4	503.7	489.0	494.3	499.0	501.9	504.9	507.8	510.8	519.0
15°	311.7	302.9	292.4	281.8	287.1	291.8	297.1	301.8	307.0	311.7	317.0
17.5°	217.2	214.3	209.6	204.3	204.9	205.5	206.1	206.7	206.7	207.2	208.4
20°	188.5	190.2	186.7	182.6	181.4	179.6	178.5	177.3	175.5	174.4	172.6
22.5°	166.1	167.3	167.9	167.9	165.6	162.6	160.3	158.5	156.2	153.8	152.6
25°	150.9	152.1	150.9	149.1	147.9	146.8	145.6	143.8	142.7	140.9	140.3
27.5°	138.0	139.7	139.7	139.1	138.0	136.2	133.3	130.9	128.0	125.0	125.6
30°	124.5	126.8	126.8	126.2	125.6	125.0	122.1	119.2	116.2	113.3	114.5
32.5°	114.5	115.7	115.1	114.5	114.5	113.9	111.5	109.8	107.4	105.1	105.1
35°	101.6	102.2	102.2	102.2	102.2	101.6	99.8	98.0	96.3	94.5	95.1
37.5°	92.2	92.2	93.9	95.1	93.9	92.8	91.6	89.8	88.6	86.9	86.9
40°	81.6	81.6	83.4	84.5	83.4	82.2	81.6	80.4	79.8	78.7	78.7
42.5°	72.2	72.2	74.0	75.1	75.1	74.6	73.4	72.2	71.0	69.9	70.4
45°	60.5	59.9	62.8	65.2	64.0	62.8	62.8	62.2	62.2	61.6	62.2
47.5°	49.9	49.3	51.7	54.0	53.4	52.2	52.2	52.2	52.2	52.2	52.8
50°	41.7	40.5	42.9	44.6	44.0	42.9	42.9	43.4	43.4	43.4	44.0
52.5°	35.8	34.6	36.4	37.6	37.0	36.4	36.4	37.0	37.0	37.0	37.6
55°	31.7	30.5	32.3	33.5	32.9	31.7	32.3	32.3	32.9	32.9	32.9
57.5°	28.2	26.4	27.6	28.8	28.8	28.2	28.8	28.8	29.4	29.4	29.4
60°	25.8	24.1	25.2	25.8	25.8	25.2	25.8	25.8	26.4	26.4	26.4
62.5°	22.9	21.1	22.3	22.9	22.9	22.3	22.9	22.9	23.5	23.5	23.5
65°	20.5	18.8	19.4	20.0	20.0	20.0	20.5	20.5	21.1	21.1	21.1
67.5°	19.4	17.0	17.6	18.2	18.2	18.2	18.8	18.8	19.4	19.4	20.0
70°	18.8	16.4	17.0	17.0	17.6	17.6	17.6	18.2	18.2	18.2	18.2
72.5°	18.2	15.9	15.9	15.9	16.4	16.4	16.4	17.0	17.0	17.0	17.0
75°	18.2	15.9	15.3	14.7	15.3	15.3	15.3	15.9	15.9	15.9	15.9
77.5°	15.9	12.9	11.7	10.0	11.7	12.9	13.5	13.5	14.1	14.1	14.1
80°	6.5	2.9	1.8	0.0	0.6	1.2	1.8	2.3	2.9	3.5	4.1
82.5°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.8	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: P368217
 CATALOG NUMBER: MSA-SA4A-730-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: P368217
 CATALOG NUMBER: MSA-SA4A-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1
2.5°	1163.6	1134.2	1104.9	1119.0	1133.1	1147.1	1161.2	1160.1	1158.3	1157.1	1155.4
5°	1185.3	1183.5	1181.8	1173.6	1165.9	1157.7	1149.5	1147.7	1145.4	1143.6	1141.3
7.5°	996.9	999.8	1003.3	993.9	984.5	975.1	965.7	941.7	917.6	892.9	868.9
10°	746.8	732.7	719.2	718.0	716.8	715.6	714.5	712.1	709.8	706.8	704.5
12.5°	527.8	536.0	544.2	541.3	538.3	534.8	531.9	536.0	540.7	544.8	548.9
15°	321.7	327.0	331.7	342.3	352.8	363.4	374.0	378.1	382.8	386.9	391.0
17.5°	209.6	210.2	211.3	223.1	234.2	246.0	257.1	264.8	272.4	279.4	287.1
20°	170.8	169.1	167.3	173.8	180.2	186.7	193.1	200.2	207.2	214.3	221.3
22.5°	152.1	150.9	149.7	152.1	154.4	156.2	158.5	163.8	169.7	174.9	180.2
25°	139.7	138.5	138.0	139.1	140.3	141.5	142.7	145.6	148.5	151.5	154.4
27.5°	125.6	126.2	126.2	127.4	128.0	129.2	129.7	130.9	132.7	133.9	135.0
30°	115.1	116.2	116.8	118.0	118.6	119.8	120.4	119.8	119.2	118.6	118.0
32.5°	105.1	104.5	104.5	105.7	106.3	107.4	108.0	109.2	110.4	111.0	112.1
35°	95.1	95.7	95.7	95.7	96.3	96.3	96.3	97.5	99.2	100.4	101.6
37.5°	86.3	86.3	85.7	87.5	88.6	90.4	91.6	92.8	94.5	95.7	96.9
40°	78.7	78.7	78.7	79.8	81.0	81.6	82.8	85.7	88.6	91.6	94.5
42.5°	70.4	71.0	71.0	72.2	73.4	74.0	75.1	77.5	79.3	81.6	83.4
45°	62.8	63.4	64.0	65.2	65.8	66.9	67.5	68.7	69.3	70.4	71.0
47.5°	54.0	54.6	55.2	56.4	56.9	58.1	58.7	58.1	58.1	57.5	56.9
50°	45.2	45.8	46.4	48.1	49.3	51.1	52.2	51.1	49.9	48.1	47.0
52.5°	38.2	38.2	38.7	39.9	41.1	41.7	42.9	42.3	41.7	41.1	40.5
55°	32.9	32.9	32.9	33.5	34.1	34.6	35.2	35.8	35.8	36.4	36.4
57.5°	29.4	28.8	28.8	29.4	29.9	29.9	30.5	31.1	31.1	31.7	31.7
60°	26.4	25.8	25.8	26.4	27.0	27.6	28.2	28.2	28.2	27.6	27.6
62.5°	23.5	23.5	23.5	24.1	24.1	24.7	24.7	24.7	25.2	25.2	25.2
65°	21.7	21.7	21.7	21.7	21.7	21.1	21.1	21.7	21.7	22.3	22.3
67.5°	20.0	20.5	20.5	20.0	19.4	18.8	18.2	18.8	18.8	19.4	19.4
70°	18.2	18.2	18.2	17.6	17.0	16.4	15.9	15.9	15.9	15.3	15.3
72.5°	17.0	16.4	16.4	15.9	14.7	14.1	12.9	12.3	12.3	11.7	11.2
75°	15.9	15.3	15.3	14.1	12.9	11.7	10.6	10.0	8.8	8.2	7.0
77.5°	14.1	14.1	14.1	12.3	11.2	9.4	7.6	6.5	5.3	3.5	2.3
80°	4.7	5.3	5.9	5.3	5.3	4.7	4.1	2.9	2.3	1.2	0.0
82.5°	0.6	0.6	0.6	0.6	0.6	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: P368217
 CATALOG NUMBER: MSA-SA4A-730-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: P368217
 CATALOG NUMBER: MSA-SA4A-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1
2.5°	1161.8	1168.3	1174.7	1181.2	1181.8	1182.4	1183.0	1183.5	1168.9	1153.6	1138.9
5°	1153.0	1165.3	1177.1	1188.8	1182.4	1175.9	1169.5	1163.0	1162.4	1162.4	1161.8
7.5°	870.6	871.8	873.6	874.7	877.1	879.4	881.2	883.5	892.9	902.3	911.1
10°	696.9	689.2	681.0	673.4	667.5	661.0	655.2	648.7	653.4	658.7	663.4
12.5°	542.5	536.0	529.0	522.5	520.1	517.8	514.9	512.5	527.8	543.0	557.7
15°	389.8	388.6	386.9	385.7	393.3	401.0	408.6	416.2	429.2	441.5	454.4
17.5°	290.0	293.0	295.9	298.8	303.5	308.2	312.3	317.0	326.4	336.4	345.8
20°	224.8	229.0	232.5	236.0	234.8	233.7	231.9	230.7	238.4	246.0	253.0
22.5°	183.8	186.7	190.2	193.1	193.7	194.3	194.9	195.5	200.2	204.3	209.0
25°	157.3	160.9	163.8	166.7	167.3	167.9	168.5	169.1	174.9	180.8	186.1
27.5°	139.1	142.7	146.8	150.3	151.5	152.6	153.8	155.0	158.5	161.4	165.0
30°	122.7	127.4	132.1	136.8	138.5	140.3	142.1	143.8	147.4	151.5	155.0
32.5°	114.5	117.4	119.8	122.1	126.2	129.7	133.9	137.4	141.5	146.2	150.3
35°	105.1	108.0	111.5	114.5	117.4	120.4	122.7	125.6	128.0	130.3	132.1
37.5°	99.2	102.2	104.5	106.8	108.0	109.2	109.8	111.0	112.1	113.3	113.9
40°	94.5	93.9	93.9	93.3	94.5	96.3	97.5	98.6	102.2	105.1	108.6
42.5°	82.2	80.4	79.3	77.5	80.4	82.8	85.7	88.1	92.8	97.5	102.2
45°	69.9	68.7	66.9	65.8	69.9	74.0	78.1	82.2	87.5	92.2	97.5
47.5°	57.5	58.1	58.1	58.7	62.8	66.9	70.4	74.6	79.8	85.1	90.4
50°	48.1	49.3	50.5	51.7	55.8	59.3	63.4	66.9	72.8	78.1	84.0
52.5°	42.3	44.0	45.2	47.0	50.5	54.6	58.1	61.6	66.9	72.2	77.5
55°	38.2	40.5	42.3	44.0	47.0	49.9	52.8	55.8	61.1	66.3	71.0
57.5°	33.5	35.2	37.0	38.7	41.7	44.6	47.0	49.9	54.6	59.9	64.6
60°	29.4	30.5	32.3	33.5	35.8	38.7	41.1	43.4	48.1	52.8	56.9
62.5°	25.8	27.0	27.6	28.2	30.5	32.9	35.2	37.6	41.7	46.4	50.5
65°	22.9	23.5	23.5	24.1	25.8	28.2	29.9	31.7	36.4	40.5	45.2
67.5°	19.4	20.0	20.0	20.0	21.7	23.5	25.2	27.0	31.1	35.8	39.9
70°	15.3	15.9	15.9	15.9	17.6	20.0	21.7	23.5	27.0	30.5	34.1
72.5°	11.7	11.7	12.3	12.3	14.1	16.4	18.2	20.0	22.9	25.8	28.8
75°	7.6	8.2	8.2	8.8	10.6	12.9	14.7	16.4	19.4	22.3	24.7
77.5°	2.9	4.1	4.7	5.3	7.0	8.8	10.6	12.3	14.7	17.6	20.0
80°	0.0	0.6	0.6	0.6	1.8	2.3	3.5	4.1	5.9	8.2	10.0
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: P368217
 CATALOG NUMBER: MSA-SA4A-730-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: P368217

CATALOG NUMBER: MSA-SA4A-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1
2.5°	1123.7	1156.0	1188.2	1220.5	1252.8	1292.7	1332.7	1338.5	1344.4	1337.4	1330.9
5°	1161.2	1177.1	1192.4	1208.2	1223.5	1269.3	1314.5	1315.0	1315.0	1315.6	1315.6
7.5°	920.5	934.0	947.5	960.5	974.0	1003.9	1033.8	1045.0	1055.6	1053.2	1050.9
10°	668.1	685.7	702.7	720.3	737.4	765.0	792.6	803.1	813.1	845.4	878.3
12.5°	573.0	590.0	607.0	623.5	640.5	668.7	696.9	717.4	737.4	757.3	777.3
15°	466.7	480.2	494.3	507.8	521.3	534.2	547.2	572.4	597.1	617.0	637.0
17.5°	355.2	361.1	366.3	372.2	377.5	383.4	389.2	399.8	409.8	427.4	444.4
20°	260.7	265.4	270.1	274.2	278.9	284.7	290.6	298.2	305.3	309.4	312.9
22.5°	213.1	220.2	227.2	233.7	240.7	244.8	248.9	251.3	253.6	255.4	257.1
25°	192.0	198.4	204.3	210.8	216.6	218.4	220.2	224.8	229.5	229.5	229.5
27.5°	167.9	176.7	186.1	194.9	203.7	206.1	207.8	209.6	210.8	208.4	205.5
30°	158.5	167.3	176.1	184.3	193.1	196.7	199.6	201.4	203.1	200.2	197.3
32.5°	154.4	162.6	170.3	178.5	186.1	190.8	194.9	199.6	203.7	204.3	205.5
35°	134.4	139.7	145.6	150.9	156.2	158.5	160.9	162.6	163.8	163.8	163.8
37.5°	115.1	122.1	129.7	136.8	143.8	149.1	154.4	155.0	155.0	156.2	157.9
40°	111.5	118.6	125.6	132.1	139.1	145.0	150.3	150.9	151.5	152.6	153.8
42.5°	106.8	114.5	122.1	129.7	137.4	143.2	148.5	148.5	147.9	149.7	150.9
45°	102.2	109.8	116.8	124.5	131.5	139.1	146.2	144.4	142.1	145.0	147.4
47.5°	95.7	103.9	112.1	119.8	128.0	135.0	141.5	140.3	138.5	141.5	144.4
50°	89.2	97.5	105.7	113.9	122.1	129.7	136.8	135.6	134.4	138.0	140.9
52.5°	82.8	91.0	99.8	108.0	116.2	122.7	128.6	128.0	127.4	130.9	135.0
55°	76.3	84.0	92.2	99.8	107.4	114.5	120.9	119.8	118.6	121.5	124.5
57.5°	69.3	76.9	84.0	91.6	98.6	104.5	109.8	108.0	106.3	109.8	113.3
60°	61.6	68.7	75.7	82.2	89.2	93.9	98.0	96.9	95.1	98.6	102.2
62.5°	54.6	61.1	67.5	73.4	79.8	83.4	86.9	85.7	84.5	88.1	92.2
65°	49.3	54.6	59.3	64.6	69.3	72.8	76.3	74.6	72.8	76.9	80.4
67.5°	44.0	48.1	52.8	56.9	61.1	64.0	66.9	65.8	64.0	66.9	69.9
70°	37.6	41.7	45.8	49.3	53.4	56.4	59.3	57.5	55.2	58.1	61.1
72.5°	31.7	35.2	38.7	41.7	45.2	47.6	49.9	48.1	46.4	48.7	51.1
75°	27.6	30.5	33.5	35.8	38.7	39.9	41.1	40.5	39.3	41.7	43.4
77.5°	22.3	24.7	27.6	29.9	32.3	32.3	32.3	32.9	32.9	35.2	38.2
80°	11.7	14.1	16.4	18.2	20.5	20.5	20.0	21.1	21.7	24.7	27.6
82.5°	0.0	1.8	3.5	5.3	7.0	6.5	5.3	5.9	5.9	7.0	8.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2
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: P368217
 CATALOG NUMBER: MSA-SA4A-730-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: P368217

CATALOG NUMBER: MSA-SA4A-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1
2.5°	1323.9	1316.8	1312.1	1308.0	1303.3	1298.6	1304.5	1310.4	1315.6	1321.5	1339.1
5°	1316.2	1316.2	1312.1	1308.0	1303.9	1299.8	1308.6	1316.8	1325.6	1333.8	1333.2
7.5°	1047.9	1045.6	1070.2	1094.3	1119.0	1143.0	1149.5	1156.0	1161.8	1168.3	1166.5
10°	910.6	942.8	953.4	964.0	974.5	985.1	998.0	1010.9	1023.9	1036.8	1041.5
12.5°	797.2	817.2	851.3	884.7	918.8	952.2	969.3	986.9	1003.9	1020.9	1054.4
15°	656.9	676.9	706.3	735.6	765.0	794.3	821.3	848.9	875.9	902.9	943.4
17.5°	462.0	479.1	501.4	523.7	545.4	567.7	609.4	651.1	692.7	734.4	777.3
20°	317.0	320.5	331.1	342.3	352.8	363.4	401.0	439.1	476.7	514.3	570.6
22.5°	258.3	260.1	265.4	270.6	275.3	280.6	300.0	320.0	339.3	358.7	404.5
25°	229.0	229.0	232.5	236.0	239.5	243.0	253.6	264.2	274.2	284.7	314.1
27.5°	203.1	200.2	205.5	210.8	216.0	221.3	229.0	237.2	244.8	252.4	272.4
30°	194.3	191.4	197.8	204.3	210.8	217.2	224.8	232.5	239.5	247.2	260.7
32.5°	206.1	206.7	209.0	211.3	213.1	215.5	219.0	223.1	226.6	230.1	241.9
35°	163.8	163.8	167.9	172.0	175.5	179.6	186.1	192.6	199.0	205.5	217.8
37.5°	159.1	160.3	163.8	167.9	171.4	174.9	183.2	192.0	200.2	208.4	218.4
40°	154.4	155.6	160.3	165.0	169.7	174.4	182.6	190.2	198.4	206.1	215.5
42.5°	152.6	153.8	159.7	166.1	172.0	177.9	184.9	192.0	198.4	205.5	218.4
45°	150.3	152.6	159.7	167.3	174.4	181.4	187.9	194.3	200.8	207.2	223.1
47.5°	146.8	149.7	157.9	165.6	173.8	181.4	193.7	206.7	219.0	231.3	238.9
50°	144.4	147.4	156.2	165.0	173.8	182.6	202.5	222.5	241.9	261.8	257.7
52.5°	138.5	142.1	153.2	164.4	175.5	186.7	204.3	221.9	239.5	257.1	248.9
55°	127.4	130.3	143.2	156.2	168.5	181.4	194.3	207.2	219.6	232.5	223.1
57.5°	116.2	119.8	132.1	144.4	156.2	168.5	174.9	181.4	187.9	194.3	190.8
60°	105.7	109.2	125.6	142.1	158.5	174.9	169.1	163.2	156.7	150.9	155.0
62.5°	95.7	99.2	115.1	130.3	146.2	161.4	153.2	145.0	136.8	128.6	135.0
65°	84.5	88.1	93.9	100.4	106.3	112.1	111.5	110.4	109.8	108.6	115.7
67.5°	72.8	75.7	78.7	82.2	85.1	88.1	89.8	92.2	93.9	95.7	101.6
70°	63.4	66.3	69.9	72.8	76.3	79.3	80.4	81.6	82.2	83.4	88.6
72.5°	52.8	55.2	59.9	64.6	68.7	73.4	74.0	74.0	74.6	74.6	78.7
75°	45.8	47.6	51.1	54.6	57.5	61.1	62.8	64.6	65.8	67.5	69.9
77.5°	40.5	42.9	44.0	44.6	45.8	46.4	47.6	48.7	49.9	51.1	51.7
80°	29.9	32.9	34.1	34.6	35.8	36.4	36.4	35.8	35.8	35.2	35.8
82.5°	9.4	10.6	12.3	14.1	15.9	17.6	18.2	18.8	18.8	19.4	18.8
85°	1.8	2.3	3.5	4.7	5.3	6.5	5.9	4.7	4.1	2.9	2.3
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: P368217
 CATALOG NUMBER: MSA-SA4A-730-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: P368217

CATALOG NUMBER: MSA-SA4A-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1
2.5°	1356.7	1373.8	1391.4	1384.3	1377.3	1370.2	1363.2	1364.4	1366.1	1367.3	1368.5
5°	1332.7	1331.5	1330.9	1350.9	1371.4	1391.4	1411.3	1433.1	1455.4	1477.1	1498.8
7.5°	1164.8	1162.4	1160.6	1186.5	1212.3	1238.1	1264.0	1293.9	1324.4	1354.4	1384.3
10°	1046.2	1050.9	1055.6	1066.1	1077.3	1087.9	1098.4	1127.2	1156.0	1184.1	1212.9
12.5°	1087.9	1120.7	1154.2	1160.6	1166.5	1173.0	1178.8	1183.0	1187.1	1191.2	1195.3
15°	984.5	1025.0	1065.5	1082.6	1099.0	1116.0	1132.5	1175.9	1218.8	1262.2	1305.1
17.5°	820.1	862.4	905.3	956.3	1007.4	1058.5	1109.6	1156.5	1203.5	1250.5	1297.4
20°	627.6	683.9	740.3	804.9	870.0	934.6	999.2	1046.2	1092.5	1139.5	1185.9
22.5°	450.9	496.7	542.5	620.5	698.0	776.1	853.6	935.2	1017.4	1099.0	1180.6
25°	343.4	372.2	401.6	478.5	555.4	631.7	708.6	820.7	932.9	1045.0	1157.1
27.5°	291.8	311.7	331.1	400.4	469.7	538.3	607.6	740.9	874.2	1007.4	1140.7
30°	274.8	288.3	301.8	360.5	419.8	478.5	537.2	672.2	807.2	942.3	1077.3
32.5°	253.6	264.8	276.5	328.2	379.8	430.9	482.6	614.7	746.8	878.3	1010.4
35°	229.5	241.9	253.6	305.3	356.9	408.0	459.7	596.5	733.3	870.0	1006.8
37.5°	227.8	237.8	247.2	307.0	367.5	427.4	487.3	624.1	760.8	897.1	1033.8
40°	225.4	234.8	244.2	305.3	365.7	426.8	487.3	630.5	773.8	917.0	1060.3
42.5°	231.3	243.6	256.6	310.6	364.6	418.0	472.0	622.9	773.8	924.1	1074.9
45°	239.5	255.4	271.2	320.5	369.9	419.2	468.5	632.3	796.1	959.3	1123.1
47.5°	247.2	254.8	262.4	309.4	355.8	402.7	449.1	616.4	783.7	951.1	1118.4
50°	254.2	250.1	246.0	297.6	349.3	400.4	452.0	611.7	770.8	930.5	1089.6
52.5°	240.1	231.9	223.1	278.3	333.5	388.1	443.2	604.1	765.0	925.8	1086.7
55°	213.7	204.3	194.9	249.5	303.5	358.1	412.1	572.4	732.7	892.9	1053.2
57.5°	186.7	183.2	179.1	220.7	262.4	303.5	345.2	523.1	701.6	879.4	1057.3
60°	159.1	162.6	166.7	196.7	226.6	256.0	285.9	460.3	634.0	808.4	982.2
62.5°	140.9	147.4	153.2	178.5	204.3	229.5	254.8	419.2	583.6	747.9	912.3
65°	123.3	130.3	137.4	167.3	197.8	227.8	257.7	396.9	536.0	675.1	814.3
67.5°	107.4	112.7	118.6	157.9	197.3	236.6	275.9	389.8	503.1	617.0	730.3
70°	93.9	98.6	103.9	149.7	195.5	241.3	287.1	383.9	481.4	578.3	675.1
72.5°	82.8	86.9	91.0	137.4	183.8	230.1	276.5	362.8	448.5	534.8	620.5
75°	72.2	74.0	76.3	115.7	154.4	193.7	232.5	290.0	348.1	405.7	463.2
77.5°	52.2	52.2	52.8	64.6	75.7	87.5	98.6	134.4	170.3	205.5	241.3
80°	35.8	36.4	36.4	41.1	45.2	49.9	54.0	61.6	68.7	76.3	83.4
82.5°	18.2	17.0	16.4	21.1	25.8	30.5	35.2	37.0	38.2	39.9	41.1
85°	1.8	0.6	0.0	2.9	5.9	8.8	11.7	14.1	16.4	18.8	21.1
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: P368217
 CATALOG NUMBER: MSA-SA4A-730-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: P368217

CATALOG NUMBER: MSA-SA4A-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1
2.5°	1363.8	1359.1	1354.4	1349.7	1378.5	1407.8	1436.6	1465.3	1546.9	1600.4	1594.5
5°	1519.9	1541.1	1562.2	1583.3	1617.4	1652.0	1686.1	1720.1	1841.1	1915.0	1925.6
7.5°	1417.2	1449.5	1482.4	1514.7	1580.4	1645.6	1711.3	1776.5	1875.7	1952.6	1996.1
10°	1249.9	1286.9	1323.3	1360.3	1434.2	1508.8	1582.8	1656.7	1768.3	1874.5	1929.1
12.5°	1253.4	1311.5	1369.6	1427.8	1492.3	1556.9	1620.9	1685.5	1753.6	1789.4	1866.3
15°	1350.9	1396.7	1442.4	1488.2	1572.8	1657.3	1741.3	1825.8	1866.3	1952.6	2042.4
17.5°	1386.7	1476.5	1565.7	1655.0	1760.6	1865.7	1971.4	2076.5	2152.8	2272.6	2365.3
20°	1320.3	1454.8	1588.6	1723.1	1868.1	2013.1	2158.1	2303.1	2386.5	2500.4	2643.6
22.5°	1323.3	1465.9	1608.0	1750.7	1950.9	2150.5	2350.7	2550.3	2773.9	2993.5	3063.4
25°	1343.8	1530.5	1716.6	1903.3	2134.6	2365.9	2597.2	2828.5	3098.6	3329.3	3422.1
27.5°	1350.9	1561.0	1770.6	1980.8	2309.6	2638.3	2967.1	3295.8	3618.1	3878.8	3978.0
30°	1333.8	1591.0	1847.5	2104.1	2507.4	2910.7	3314.0	3717.4	4023.2	4326.7	4450.0
32.5°	1337.9	1665.5	1993.1	2320.7	2795.7	3271.2	3746.1	4221.1	4416.6	4690.1	4907.4
35°	1366.1	1725.4	2084.1	2443.4	2968.8	3494.3	4019.7	4545.1	4865.7	5154.5	5338.9
37.5°	1431.9	1829.9	2227.4	2625.4	3271.2	3917.6	4563.3	5209.1	5705.2	6201.3	6285.8
40°	1480.6	1901.0	2321.3	2741.6	3491.3	4241.0	4990.7	5740.4	6301.7	6840.0	6897.6
42.5°	1535.8	1996.1	2456.9	2917.2	3755.5	4593.9	5432.2	6270.6	6920.4	7469.4	7507.5
45°	1596.3	2070.0	2543.2	3016.4	3894.7	4772.3	5650.6	6528.3	7287.4	7924.9	7781.1
47.5°	1625.0	2131.7	2638.3	3145.0	4086.6	5027.7	5969.4	6910.5	7591.5	8153.9	7986.0
50°	1647.3	2204.5	2762.2	3319.3	4306.8	5294.2	6281.7	7269.2	7951.9	8470.9	8207.9
52.5°	1710.2	2333.0	2956.5	3579.4	4629.7	5679.4	6729.6	7779.3	8439.8	8916.5	8547.8
55°	1771.2	2488.6	3206.6	3924.0	5053.5	6183.7	7313.2	8442.7	9100.3	9508.9	9008.1
57.5°	1848.1	2639.5	3430.3	4221.1	5429.3	6637.5	7845.1	9053.3	9696.1	10147.6	9627.5
60°	1828.2	2673.5	3519.5	4364.9	5595.4	6825.9	8056.4	9286.9	10050.7	10605.5	10252.7
62.5°	1750.7	2589.0	3426.8	4265.1	5473.9	6682.1	7890.9	9099.1	10014.3	10765.8	10647.2
65°	1593.9	2373.0	3152.6	3931.6	5085.8	6240.6	7394.8	8549.0	9678.5	10634.9	10677.1
67.5°	1387.8	2045.4	2702.3	3359.8	4436.5	5513.2	6589.3	7666.0	8999.3	10114.7	10240.4
70°	1169.5	1663.2	2157.5	2651.2	3598.8	4546.3	5493.3	6440.8	7826.9	8949.4	9186.6
72.5°	937.6	1255.2	1572.2	1889.2	2573.2	3256.5	3940.5	4623.8	5843.2	6714.4	7128.3
75°	607.6	752.0	896.5	1040.9	1496.5	1951.4	2407.0	2862.0	3671.6	4313.2	4781.1
77.5°	270.6	300.0	328.8	358.1	709.8	1061.4	1413.1	1764.7	2116.4	2503.9	2613.7
80°	96.9	109.8	123.3	136.2	308.8	482.0	654.6	827.2	997.4	1197.6	1246.4
82.5°	40.5	40.5	39.9	39.3	101.0	162.6	224.3	285.9	330.5	379.8	389.2
85°	16.4	12.3	7.6	2.9	12.9	23.5	33.5	43.4	69.9	63.4	117.4
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: P368217
 CATALOG NUMBER: MSA-SA4A-730-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: P368217

CATALOG NUMBER: MSA-SA4A-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1
2.5°	1572.2	1571.0	1569.8	1568.7	1567.5	1546.4	1525.8	1504.7	1484.1	1510.0	1535.8
5°	1908.6	1939.1	1969.6	2000.8	2031.3	2040.1	2048.9	2057.7	2066.5	2085.3	2104.1
7.5°	2032.5	2084.1	2135.2	2186.9	2237.9	2285.5	2332.5	2380.0	2427.6	2415.8	2404.1
10°	1989.6	2082.9	2176.3	2270.2	2363.6	2384.1	2404.7	2425.8	2446.3	2499.8	2553.2
12.5°	1943.2	2055.4	2167.5	2279.6	2391.7	2454.0	2515.6	2577.8	2640.1	2694.1	2748.1
15°	2163.4	2235.0	2306.6	2378.8	2450.5	2505.1	2559.1	2613.7	2667.7	2705.2	2742.2
17.5°	2452.8	2488.0	2523.3	2559.1	2594.3	2637.1	2680.0	2722.9	2765.7	2788.0	2810.3
20°	2758.7	2773.9	2789.2	2804.5	2819.7	2785.7	2751.6	2717.6	2683.5	2704.7	2725.2
22.5°	3065.7	3071.0	3076.9	3082.1	3087.4	3008.2	2928.9	2849.7	2770.4	2736.9	2703.5
25°	3538.3	3499.6	3460.8	3422.1	3383.3	3289.4	3195.5	3101.5	3007.6	2924.8	2842.0
27.5°	4050.2	3918.7	3787.8	3656.3	3525.4	3431.5	3337.5	3243.6	3149.7	3025.2	2900.7
30°	4566.3	4354.3	4143.0	3931.1	3719.7	3608.2	3496.6	3384.5	3272.9	3148.5	3024.6
32.5°	5039.5	4784.7	4529.9	4274.5	4019.7	3831.8	3644.0	3456.1	3268.2	3181.4	3094.5
35°	5431.6	5130.5	4829.3	4527.5	4226.4	4040.3	3854.2	3668.0	3481.9	3352.8	3224.2
37.5°	6102.1	5763.3	5424.6	5085.8	4747.1	4492.9	4239.3	3985.1	3730.9	3644.6	3558.3
40°	6720.3	6293.5	5866.6	5439.8	5013.0	4799.9	4587.4	4374.3	4161.8	4020.3	3879.4
42.5°	7211.6	6761.9	6312.8	5863.1	5413.4	5202.7	4992.5	4781.7	4571.0	4476.5	4382.5
45°	7317.9	6894.0	6470.7	6046.9	5623.0	5500.3	5378.2	5255.5	5133.4	5068.2	5003.6
47.5°	7527.5	7067.8	6608.7	6149.0	5689.3	5634.2	5579.0	5523.2	5468.0	5499.1	5530.3
50°	7644.9	7175.8	6706.8	6237.7	5768.6	5784.5	5799.7	5815.6	5831.4	6052.2	6272.3
52.5°	7872.7	7398.9	6925.1	6451.4	5977.6	6077.4	6176.6	6276.4	6375.6	6679.7	6983.3
55°	8279.5	7814.0	7348.4	6882.3	6416.7	6548.2	6679.7	6811.8	6943.3	7266.2	7588.5
57.5°	8882.5	8420.4	7959.0	7497.0	7035.5	7166.4	7297.3	7428.3	7559.2	7851.0	8142.2
60°	9641.5	9167.2	8693.4	8219.1	7745.3	7794.6	7843.3	7892.6	7942.0	8255.5	8568.4
62.5°	10232.7	9796.5	9360.9	8924.7	8489.1	8434.5	8380.5	8325.9	8271.9	8510.2	8748.0
65°	10370.1	10063.1	9756.6	9449.6	9142.5	8974.6	8807.3	8639.4	8471.5	8567.8	8664.1
67.5°	9976.8	9769.5	9562.9	9355.6	9148.4	8797.9	8447.4	8096.4	7745.9	7694.8	7643.7
70°	9063.9	8950.6	8837.8	8724.5	8611.8	8071.7	7532.2	6992.1	6452.5	6322.8	6193.1
72.5°	7152.3	7222.8	7293.2	7364.3	7434.7	6856.5	6278.8	5700.5	5122.2	4957.9	4794.1
75°	5043.6	5282.5	5521.4	5760.4	5999.3	5472.1	4945.5	4418.3	3891.1	3733.2	3575.9
77.5°	2734.6	3182.5	3630.5	4078.4	4526.4	4091.3	3656.9	3221.9	2786.8	2677.1	2567.9
80°	1296.3	1554.6	1812.3	2070.6	2328.9	2230.9	2132.8	2034.2	1936.2	1960.2	1984.3
82.5°	397.5	584.1	770.8	957.5	1144.2	1158.9	1173.0	1187.7	1202.3	1238.7	1274.5
85°	133.3	182.6	231.9	281.2	330.5	417.4	504.3	591.8	678.7	622.3	566.5
87.5°	0.0	1.8	2.9	4.7	5.9	18.2	30.5	42.9	55.2	47.6	40.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368217
 CATALOG NUMBER: MSA-SA4A-730-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: P368217

CATALOG NUMBER: MSA-SA4A-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1
2.5°	1562.2	1588.0	1588.6	1589.8	1590.4	1591.0	1593.9	1596.8	1600.4	1603.3	1583.9
5°	2123.5	2142.2	2107.6	2073.0	2037.7	2003.1	2034.2	2065.3	2096.4	2127.6	2114.1
7.5°	2391.7	2380.0	2375.9	2372.4	2368.3	2364.7	2376.5	2388.2	2400.0	2411.7	2410.5
10°	2606.6	2660.0	2673.0	2685.9	2699.4	2712.3	2685.3	2658.3	2631.3	2604.3	2593.1
12.5°	2802.1	2856.1	2899.0	2941.8	2985.3	3028.1	2989.4	2951.2	2912.5	2874.3	2837.9
15°	2779.8	2816.8	2852.0	2887.2	2922.5	2957.7	2944.8	2932.4	2919.5	2906.6	2900.7
17.5°	2833.2	2855.5	2847.3	2839.1	2830.3	2822.1	2818.0	2814.4	2810.3	2806.2	2792.1
20°	2746.3	2767.5	2762.2	2757.5	2752.2	2746.9	2743.4	2739.9	2736.4	2732.8	2721.7
22.5°	2670.0	2636.6	2627.8	2619.5	2610.7	2602.5	2603.7	2604.9	2605.4	2606.6	2657.1
25°	2759.3	2676.5	2644.2	2611.9	2579.0	2546.7	2561.4	2575.5	2590.2	2604.9	2677.7
27.5°	2775.7	2651.2	2599.6	2547.9	2496.2	2444.6	2497.4	2550.3	2603.1	2655.9	2773.9
30°	2900.2	2776.3	2704.1	2632.4	2560.2	2488.6	2556.1	2623.6	2691.2	2758.7	2886.7
32.5°	3007.0	2920.1	2868.5	2816.8	2765.1	2713.5	2716.4	2718.7	2721.7	2724.6	2904.8
35°	3095.1	2966.5	2919.5	2873.1	2826.2	2779.8	2849.7	2919.5	2989.4	3059.3	3221.3
37.5°	3472.0	3385.7	3299.4	3213.7	3127.4	3041.6	3097.4	3153.2	3209.5	3265.3	3444.4
40°	3737.9	3597.0	3574.7	3553.0	3530.7	3509.0	3537.7	3565.9	3594.7	3623.4	3780.2
42.5°	4288.0	4193.5	4133.0	4073.1	4012.7	3952.8	3975.7	3998.6	4022.1	4045.0	4193.5
45°	4938.5	4873.3	4833.4	4793.5	4753.0	4713.0	4678.4	4644.4	4609.7	4575.7	4726.5
47.5°	5561.4	5592.5	5680.5	5768.0	5856.1	5943.6	5871.9	5800.3	5728.1	5656.5	5657.1
50°	6493.1	6713.2	6757.8	6801.9	6846.5	6890.5	6737.9	6585.2	6432.0	6279.4	6261.2
52.5°	7287.4	7590.9	7606.7	7622.6	7639.0	7654.9	7593.2	7531.6	7469.4	7407.7	7243.9
55°	7911.4	8233.7	8255.5	8276.6	8298.3	8319.4	8265.4	8212.0	8158.0	8104.0	7938.4
57.5°	8433.9	8725.1	8738.0	8750.4	8763.3	8776.2	8780.3	8784.4	8789.1	8793.2	8569.5
60°	8881.9	9195.4	9169.5	9144.3	9118.5	9093.2	9054.5	9015.7	8977.0	8938.2	8793.8
62.5°	8986.4	9224.7	9184.8	9145.5	9105.5	9066.2	9033.3	9001.0	8968.2	8935.3	8843.1
65°	8760.3	8856.6	8815.5	8774.4	8732.7	8691.7	8670.5	8650.0	8628.8	8607.7	8596.0
67.5°	7592.1	7541.0	7589.7	7638.4	7687.2	7735.9	7802.2	7868.6	7935.5	8001.8	7963.1
70°	6062.7	5933.0	5987.0	6040.4	6094.4	6147.9	6248.2	6348.6	6449.6	6550.0	6523.0
72.5°	4629.7	4465.3	4472.9	4480.6	4488.8	4496.4	4493.5	4491.1	4488.2	4485.3	4532.2
75°	3418.0	3260.0	3185.5	3110.9	3036.4	2961.8	2943.6	2925.4	2907.2	2889.0	2976.5
77.5°	2458.1	2348.9	2297.8	2247.3	2196.2	2145.8	2171.6	2197.4	2223.8	2249.7	2280.2
80°	2009.0	2033.0	1993.7	1955.0	1915.6	1876.3	1905.6	1934.4	1963.8	1993.1	1902.1
82.5°	1310.9	1346.8	1225.8	1104.9	983.9	863.0	936.4	1009.8	1083.7	1157.1	1119.6
85°	510.2	454.4	387.5	321.1	254.2	187.3	243.6	300.0	356.4	412.7	450.3
87.5°	32.9	25.8	20.5	15.3	9.4	4.1	8.8	13.5	18.8	23.5	39.3
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: P368217
 CATALOG NUMBER: MSA-SA4A-730-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: P368217

CATALOG NUMBER: MSA-SA4A-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1
2.5°	1565.1	1545.8	1527.0	1490.0	1453.0	1416.0	1379.0	1430.7	1482.4	1534.0	1585.7
5°	2101.1	2087.6	2074.7	2078.2	2081.8	2085.9	2089.4	2097.0	2104.7	2111.7	2119.3
7.5°	2409.9	2408.8	2407.6	2380.6	2353.6	2326.0	2299.0	2312.5	2326.0	2339.5	2353.0
10°	2582.5	2571.4	2560.2	2500.9	2441.6	2381.8	2322.5	2296.6	2270.2	2244.4	2218.6
12.5°	2801.5	2764.5	2728.1	2664.7	2601.9	2538.5	2475.1	2451.6	2427.6	2404.1	2380.0
15°	2895.5	2889.6	2884.3	2839.1	2793.3	2748.1	2702.3	2621.9	2540.9	2460.4	2380.0
17.5°	2778.0	2763.4	2749.3	2820.9	2891.9	2963.6	3035.2	2951.8	2868.5	2785.1	2701.7
20°	2710.5	2699.4	2688.2	2821.5	2954.2	3087.4	3220.1	3183.1	3145.6	3108.6	3071.6
22.5°	2707.6	2758.7	2809.2	2926.0	3042.2	3159.1	3275.3	3339.3	3403.9	3467.9	3531.8
25°	2750.4	2823.8	2896.6	3090.4	3284.1	3478.4	3672.2	3745.5	3818.3	3891.7	3964.5
27.5°	2891.3	3009.3	3126.8	3295.8	3464.9	3634.6	3803.7	3963.9	4124.8	4285.1	4445.3
30°	3014.0	3142.0	3270.0	3471.4	3672.2	3873.5	4074.3	4275.1	4475.9	4676.6	4877.4
32.5°	3085.1	3265.9	3446.1	3690.9	3935.2	4180.0	4424.8	4644.9	4865.1	5084.7	5304.8
35°	3383.3	3545.9	3708.0	3978.6	4249.3	4520.5	4791.1	5063.5	5335.9	5607.7	5880.1
37.5°	3623.4	3803.1	3982.1	4278.0	4573.3	4869.2	5165.1	5541.4	5918.3	6294.6	6670.9
40°	3936.9	4093.7	4250.4	4527.5	4804.0	5081.1	5358.2	5835.5	6312.8	6789.5	7266.8
42.5°	4341.4	4490.0	4638.5	4935.0	5231.4	5527.9	5824.4	6352.7	6881.1	7408.9	7937.3
45°	4877.4	5028.9	5179.8	5415.8	5651.8	5887.8	6123.8	6685.6	7246.9	7808.7	8369.9
47.5°	5657.6	5658.2	5658.8	5829.1	5999.3	6170.2	6340.4	6906.4	7471.7	8037.7	8603.0
50°	6243.0	6224.2	6206.0	6294.0	6381.5	6469.6	6557.6	7078.4	7599.7	8120.4	8641.2
52.5°	7080.7	6916.9	6753.7	6806.0	6857.6	6909.9	6961.5	7402.4	7843.9	8284.8	8725.7
55°	7773.5	7607.9	7442.4	7423.0	7403.6	7384.2	7364.9	7770.5	8176.2	8581.9	8987.5
57.5°	8346.5	8122.8	7899.7	7855.1	7811.0	7766.4	7721.8	8149.8	8577.2	9005.2	9432.5
60°	8650.0	8505.6	8361.1	8332.4	8303.0	8274.2	8244.9	8596.0	8947.0	9298.1	9649.2
62.5°	8751.5	8659.4	8567.8	8621.8	8675.8	8730.4	8784.4	8938.8	9092.6	9247.0	9400.8
65°	8584.8	8573.1	8561.3	8672.3	8782.7	8893.6	9004.6	8966.4	8927.7	8889.5	8851.3
67.5°	7924.9	7886.2	7848.0	8091.7	8334.7	8578.3	8822.0	8637.1	8451.5	8266.6	8081.7
70°	6496.0	6468.4	6441.4	6792.5	7143.5	7495.2	7846.3	7622.0	7397.7	7173.5	6949.2
72.5°	4578.6	4625.6	4672.5	5086.4	5499.7	5913.6	6326.9	6100.9	5874.9	5648.8	5422.8
75°	3063.4	3150.8	3238.3	3664.5	4090.7	4517.5	4943.8	4678.4	4413.0	4147.7	3882.3
77.5°	2310.7	2341.3	2371.8	2641.3	2910.7	3180.8	3450.2	3231.3	3011.7	2792.7	2573.2
80°	1811.1	1719.5	1628.5	1717.2	1805.8	1894.5	1983.1	1852.2	1721.3	1591.0	1460.1
82.5°	1082.0	1044.4	1006.8	1055.0	1102.5	1150.7	1198.8	1142.4	1085.5	1029.1	972.2
85°	487.3	524.8	561.8	610.6	658.7	707.4	756.2	677.5	598.8	520.1	441.5
87.5°	54.6	70.4	86.3	106.8	127.4	147.9	168.5	131.5	93.9	56.9	20.0
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: P368217
 CATALOG NUMBER: MSA-SA4A-730-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: P368217
 CATALOG NUMBER: MSA-SA4A-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1241.1	1241.1
2.5°	1615.6	1645.6
5°	2118.8	2117.6
7.5°	2317.8	2282.0
10°	2185.7	2152.8
12.5°	2296.1	2212.1
15°	2316.6	2253.2
17.5°	2598.4	2494.5
20°	2938.3	2804.5
22.5°	3348.7	3164.9
25°	3746.1	3527.7
27.5°	4314.4	4182.9
30°	4744.7	4611.5
32.5°	5214.4	5124.0
35°	5790.3	5699.9
37.5°	6694.4	6717.3
40°	7280.9	7295.0
42.5°	7991.9	8046.5
45°	8431.0	8492.0
47.5°	8688.1	8773.3
50°	8778.5	8915.9
52.5°	8895.4	9064.4
55°	9176.0	9364.4
57.5°	9582.8	9733.1
60°	9656.2	9663.3
62.5°	9292.2	9183.6
65°	8735.7	8620.0
67.5°	8011.8	7941.4
70°	6856.5	6763.7
72.5°	5250.2	5077.6
75°	3668.6	3454.9
77.5°	2461.0	2348.9
80°	1463.6	1466.5
82.5°	999.2	1025.6
85°	436.2	430.3
87.5°	14.1	7.6
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: P368217
CATALOG NUMBER: MSA-SA4A-730-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)