

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: P368239

Luminaire Tested: **MSA-SA4A-740-U-SLR-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P368239
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-740-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: 11309 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

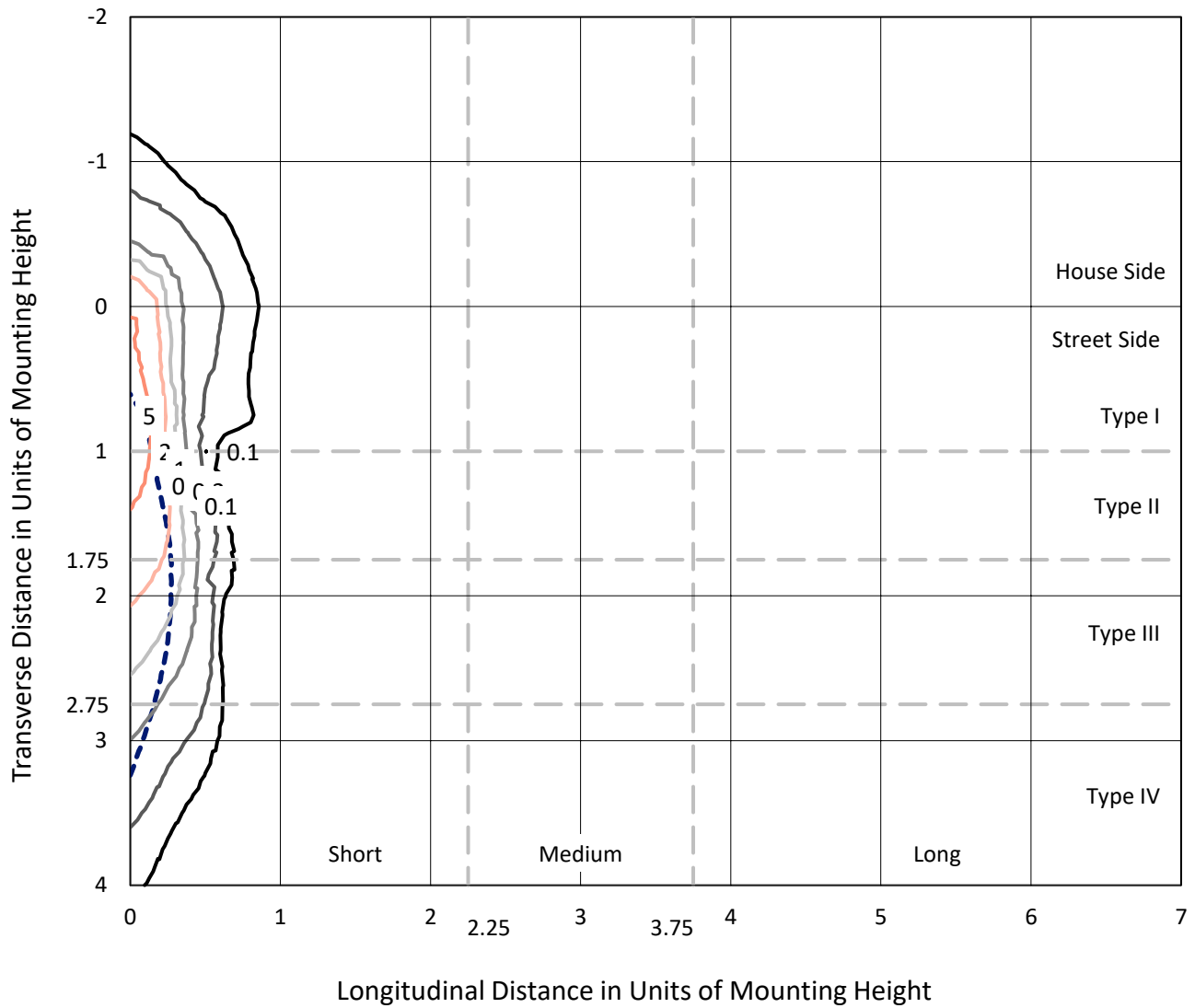
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

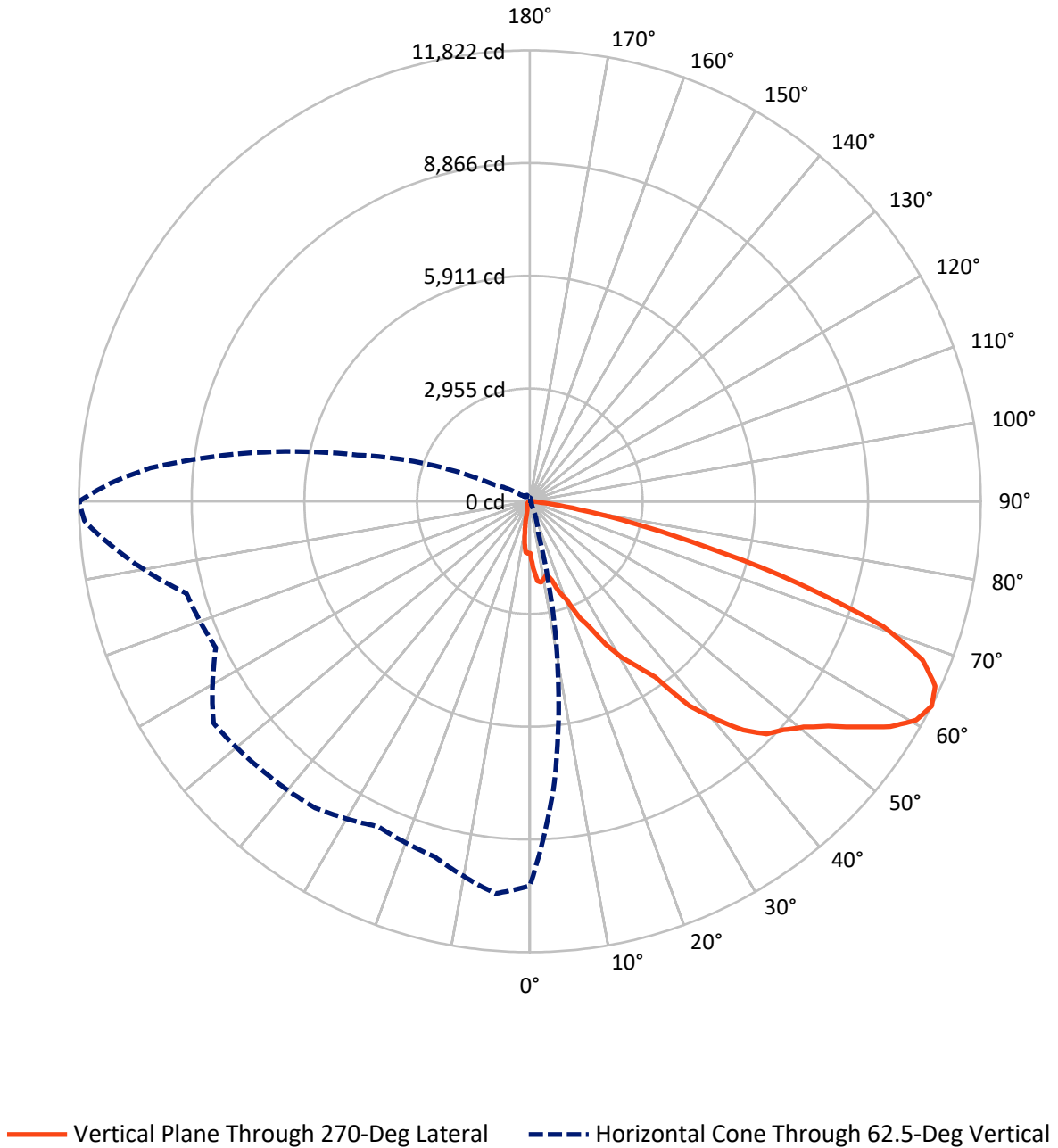
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.1 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	1888.5	0.0	1888.5
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	9420.5	0.0	9420.5
	% Fixture	83.3	0.0	83.3
Total	Lumens	11309.0	0.0	11309.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.3	1.3
10°-20°	397.7	3.5
20°-30°	642.9	5.7
30°-40°	1076.7	9.5
40°-50°	1760.2	15.6
50°-60°	2605.7	23.0
60°-70°	2991.4	26.5
70°-80°	1479.0	13.1
80°-90°	203.1	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°	11309.0	100.0
0°-180°	11309.0	100.0

Coefficient of Utilization



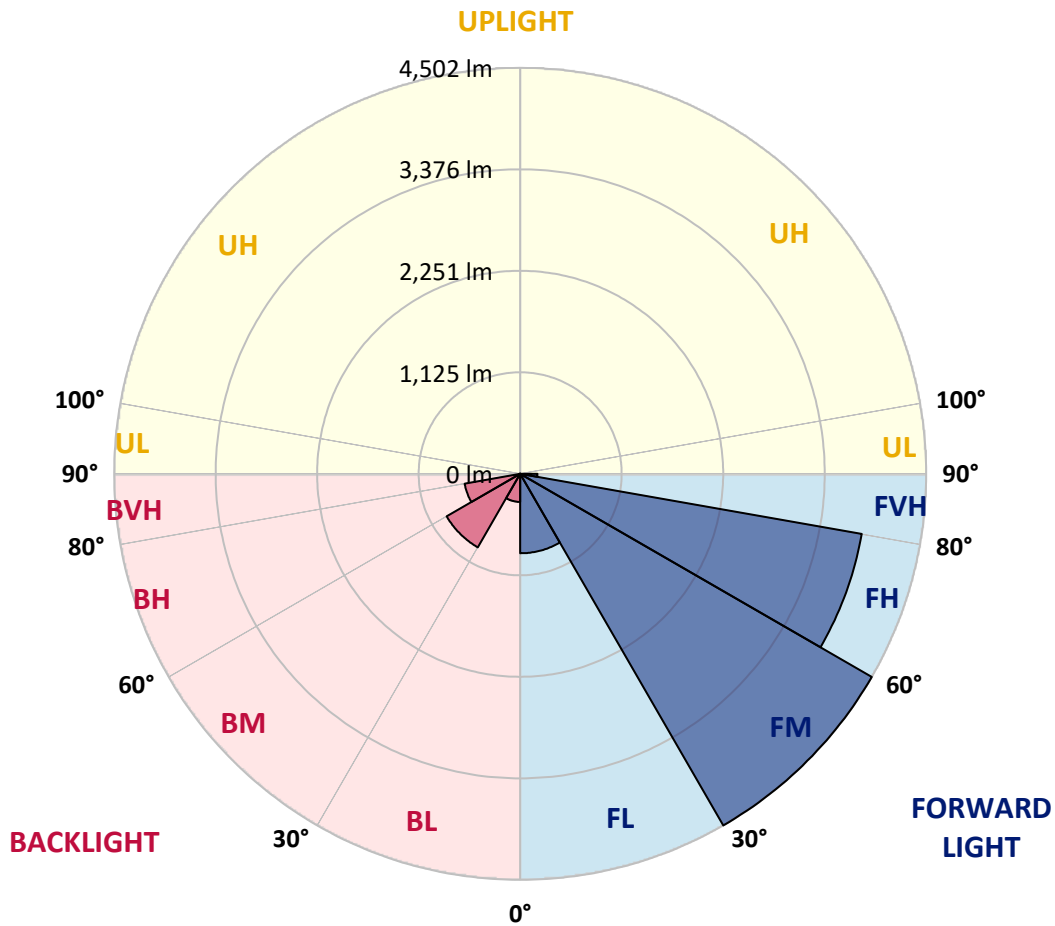
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	881.0	7.8			
FM (30°-60°)	4501.6	39.8			
FH (60°-80°)	3845.6	34.0			G2/5000
FVH (80°-90°)	192.3	1.7			G2/225
BL (0°-30°)	311.8	2.8	B1/500		
BM (30°-60°)	941.0	8.3	B1/1000		
BH (60°-80°)	624.8	5.5	B2/1000		G2/1000
BVH (80°-90°)	10.8	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°	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8
2.5°	1807.0	1829.5	1851.4	1809.5	1767.6	1725.7	1683.8	1646.4	1609.0	1571.0	1533.6
5°	2325.2	2284.0	2242.7	2186.0	2129.3	2072.5	2015.8	1989.4	1963.0	1936.5	1910.1
7.5°	2505.7	2432.3	2358.1	2307.8	2258.2	2207.9	2157.6	2078.3	1998.4	1919.1	1839.2
10°	2363.9	2285.9	2207.3	2163.4	2119.6	2075.8	2031.9	1933.3	1834.0	1735.4	1636.1
12.5°	2429.0	2344.6	2260.1	2169.9	2079.6	1989.4	1899.1	1823.7	1747.6	1672.2	1596.2
15°	2474.2	2377.5	2280.1	2177.0	2073.8	1970.7	1867.5	1778.6	1690.3	1601.3	1512.3
17.5°	2739.1	2600.5	2461.9	2303.3	2144.7	1986.2	1827.6	1724.4	1621.9	1518.8	1415.6
20°	3079.5	2882.9	2685.6	2470.9	2256.3	2041.6	1826.9	1698.6	1570.4	1442.1	1313.8
22.5°	3475.3	3229.7	2983.4	2718.5	2454.2	2189.2	1924.3	1739.9	1555.5	1371.2	1186.8
25°	3873.7	3651.9	3430.2	3073.7	2717.2	2360.1	2003.6	1769.6	1534.9	1300.9	1066.2
27.5°	4593.1	4196.7	3800.2	3346.4	2893.2	2439.4	1985.5	1717.3	1449.2	1180.4	912.2
30°	5063.7	4758.8	4453.2	3853.7	3254.8	2655.3	2055.8	1716.1	1376.3	1036.0	696.2
32.5°	5626.5	5180.4	4733.7	4083.2	3432.8	2782.3	2131.9	1732.8	1333.1	934.1	534.4
35°	6258.9	5773.5	5288.1	4464.2	3640.3	2815.8	1992.0	1605.2	1218.4	831.6	444.8
37.5°	7376.1	6563.8	5751.6	4791.0	3829.9	2869.3	1908.2	1522.0	1135.2	749.1	362.3
40°	8010.4	7234.9	6459.4	5259.0	4058.7	2858.4	1658.0	1315.1	972.8	629.8	286.9
42.5°	8835.6	7851.8	6867.4	5525.9	4184.4	2842.9	1501.4	1184.2	867.1	549.2	232.1
45°	9324.8	8210.2	7095.6	5642.0	4188.3	2734.6	1280.9	1006.3	731.7	457.1	182.4
47.5°	9633.6	8515.8	7398.0	5837.3	4277.2	2716.5	1155.9	903.2	650.5	397.7	145.0
50°	9790.3	8669.2	7547.5	5943.7	4339.8	2735.2	1131.4	879.9	627.9	376.5	124.4
52.5°	9953.4	8872.3	7790.6	6128.0	4465.5	2802.9	1140.4	883.8	627.9	371.3	114.7
55°	10282.8	9216.5	8149.6	6392.3	4635.0	2877.7	1120.4	867.7	615.0	361.6	108.9
57.5°	10687.6	9547.9	8407.5	6585.7	4764.0	2942.2	1120.4	866.4	612.4	357.8	103.8
60°	10610.9	9373.8	8136.1	6368.5	4600.9	2832.6	1065.0	823.2	582.1	340.4	98.6
62.5°	10084.2	8741.4	7398.0	5764.4	4130.3	2496.7	862.5	669.8	477.0	283.6	90.9
65°	9465.4	8040.1	6614.1	5110.8	3606.8	2103.5	599.5	470.6	341.0	212.1	82.5
67.5°	8720.2	7200.1	5680.0	4343.0	3006.6	1669.6	332.6	268.2	203.7	138.6	74.1
70°	7427.0	5857.9	4288.2	3260.6	2233.7	1206.1	178.6	150.8	123.1	95.4	67.7
72.5°	5575.6	4138.0	2700.4	2051.3	1402.8	753.6	104.4	94.1	83.2	72.8	61.9
75°	3793.8	2716.5	1639.3	1248.0	857.4	466.1	74.8	69.6	63.8	58.7	52.9
77.5°	2579.2	1865.6	1152.0	879.3	606.6	333.9	61.2	58.0	54.8	50.9	47.7
80°	1610.3	1102.3	594.4	457.7	320.4	183.7	46.4	44.5	42.5	40.0	38.0
82.5°	1126.2	673.7	221.1	172.8	124.4	75.4	27.1	27.7	28.4	28.4	29.0
85°	472.5	255.3	38.0	32.2	26.4	20.6	14.8	16.1	18.1	19.3	20.6
87.5°	8.4	4.5	0.0	1.3	3.2	4.5	5.8	7.7	9.0	11.0	12.2
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°	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8
2.5°	1543.3	1553.0	1562.0	1571.7	1563.9	1556.8	1549.1	1541.4	1529.8	1518.8	1507.2
5°	1877.9	1845.6	1813.4	1781.2	1732.2	1683.2	1633.5	1584.5	1578.7	1572.9	1566.5
7.5°	1763.8	1688.3	1612.3	1536.8	1465.9	1395.0	1324.1	1253.2	1231.3	1210.0	1188.1
10°	1578.1	1520.1	1461.4	1403.4	1352.5	1300.9	1250.0	1198.4	1144.9	1091.4	1037.2
12.5°	1535.6	1475.0	1413.7	1353.1	1306.7	1260.3	1213.9	1167.5	1107.5	1047.6	987.6
15°	1446.6	1380.8	1315.1	1249.3	1187.4	1125.6	1063.0	1001.1	928.9	856.7	784.5
17.5°	1337.6	1260.3	1182.3	1104.3	1023.1	941.8	860.6	779.4	696.2	613.7	530.5
20°	1208.1	1102.3	996.0	890.3	789.7	689.1	587.9	487.4	435.1	383.6	331.3
22.5°	1050.1	912.8	776.2	638.8	556.3	473.2	390.7	307.5	284.9	262.4	239.8
25°	910.9	755.5	600.2	444.8	392.6	340.4	288.2	235.9	225.6	214.7	204.4
27.5°	765.8	620.2	473.8	327.5	297.8	267.5	237.9	207.6	200.5	194.0	186.9
30°	587.3	478.3	368.7	259.8	240.5	221.1	201.1	181.8	178.6	174.7	171.5
32.5°	455.1	375.2	295.9	216.0	205.0	194.0	183.1	172.1	167.0	161.8	156.0
35°	380.3	316.5	252.1	187.6	179.9	171.5	163.7	155.4	150.2	144.4	139.2
37.5°	315.2	268.8	221.8	174.7	166.3	157.9	148.9	140.5	136.7	132.8	128.9
40°	259.8	232.7	205.6	178.6	166.3	154.1	141.8	129.6	126.4	123.1	119.9
42.5°	214.7	197.3	179.2	161.8	152.8	144.4	135.4	126.4	121.8	116.7	112.2
45°	173.4	163.7	154.7	145.0	145.7	146.3	146.3	147.0	135.4	123.1	111.5
47.5°	140.5	136.0	130.9	126.4	131.5	136.7	141.2	146.3	134.1	121.8	108.9
50°	120.5	117.3	113.5	109.6	114.7	120.5	125.7	130.9	125.7	121.2	116.0
52.5°	110.2	105.7	101.2	96.7	98.6	101.2	103.1	105.1	105.1	105.1	105.1
55°	103.8	99.3	94.1	89.0	87.0	84.4	82.5	79.9	76.7	74.1	70.9
57.5°	98.6	93.5	87.7	82.5	79.3	75.4	72.2	68.3	65.1	61.2	58.0
60°	93.5	88.3	82.5	77.4	74.1	70.9	67.0	63.8	60.0	56.7	52.9
62.5°	86.4	81.9	77.4	72.8	69.6	67.0	63.8	60.6	56.7	52.9	48.3
65°	78.6	75.4	71.6	67.7	64.5	61.2	58.0	54.8	50.9	47.7	43.8
67.5°	71.6	68.3	65.8	62.5	58.7	55.4	51.6	47.7	45.1	42.5	39.3
70°	65.8	63.2	61.2	58.7	54.8	51.6	47.7	43.8	41.9	39.3	37.4
72.5°	60.0	58.0	55.4	53.5	50.3	47.1	43.8	40.6	38.7	36.7	34.8
75°	51.6	50.3	49.0	47.7	44.5	41.3	37.4	34.2	33.5	32.9	32.2
77.5°	46.4	45.8	44.5	43.2	40.0	36.7	33.5	30.3	30.9	31.6	31.6
80°	38.0	38.0	37.4	37.4	34.8	32.2	29.0	26.4	27.7	29.7	30.9
82.5°	29.0	29.0	29.0	29.0	26.4	23.9	21.3	18.7	20.6	21.9	23.9
85°	20.0	19.3	18.7	18.1	16.1	14.8	12.9	11.0	13.5	15.5	18.1
87.5°	12.2	12.9	12.9	12.9	11.6	9.7	8.4	6.4	7.7	8.4	9.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: MSA-SA4A-740-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: P368239
 CATALOG NUMBER: MSA-SA4A-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8
2.5°	1495.6	1476.2	1456.9	1436.9	1417.6	1372.5	1327.3	1282.2	1237.1	1270.6	1303.5
5°	1560.7	1523.3	1485.3	1447.9	1409.8	1393.1	1377.0	1360.2	1343.4	1346.0	1349.2
7.5°	1166.2	1141.7	1117.2	1092.0	1067.5	1062.4	1057.9	1052.7	1047.6	1058.5	1068.8
10°	983.7	949.6	914.8	880.6	845.8	827.1	808.4	789.7	771.0	769.1	766.5
12.5°	927.6	875.4	823.9	771.6	719.4	678.8	638.2	597.6	557.0	560.2	563.4
15°	712.3	660.1	608.5	556.3	504.1	471.2	437.7	404.8	371.3	361.6	352.0
17.5°	447.4	408.7	370.0	330.7	292.0	281.1	270.8	259.8	248.8	245.6	242.4
20°	279.1	262.4	245.6	228.2	211.4	208.9	206.3	203.7	201.1	203.1	205.0
22.5°	217.2	210.2	202.4	195.3	187.6	185.0	182.4	179.9	177.3	179.2	180.5
25°	193.4	188.2	183.1	177.9	172.8	170.2	167.0	164.4	161.2	162.5	164.4
27.5°	179.9	175.3	170.8	166.3	161.8	157.3	153.4	148.9	144.4	147.0	148.9
30°	167.6	162.5	157.9	152.8	147.6	143.1	138.6	133.4	128.9	131.5	134.1
32.5°	150.8	146.3	141.2	136.7	131.5	128.9	126.4	123.1	120.5	122.5	123.8
35°	133.4	129.6	126.4	122.5	118.6	116.0	114.1	111.5	108.9	109.6	110.9
37.5°	125.1	120.5	116.0	111.5	107.0	105.7	104.4	102.5	101.2	101.2	101.2
40°	116.7	112.2	107.7	102.5	98.0	96.1	94.1	92.2	90.3	90.3	90.3
42.5°	107.0	102.5	98.0	93.5	89.0	87.0	84.4	82.5	79.9	79.9	79.9
45°	99.3	94.8	90.9	86.4	81.9	78.6	75.4	71.6	68.3	67.7	67.0
47.5°	96.7	90.3	83.8	77.4	70.9	67.7	64.5	60.6	57.4	56.7	56.1
50°	110.9	98.0	85.1	72.2	59.3	56.7	54.2	51.6	49.0	47.7	47.1
52.5°	105.1	91.5	78.0	64.5	50.9	49.0	47.1	45.1	43.2	41.9	40.6
55°	67.7	61.9	56.7	50.9	45.1	43.8	42.5	40.6	39.3	38.0	36.7
57.5°	54.2	50.9	48.3	45.1	41.9	40.6	39.3	37.4	36.1	34.2	32.9
60°	49.0	46.4	43.8	41.3	38.7	37.4	36.1	34.8	33.5	31.6	30.3
62.5°	44.5	42.5	40.6	38.7	36.7	35.5	34.2	32.9	31.6	29.7	27.7
65°	40.0	38.7	37.4	36.1	34.8	33.5	32.2	30.3	29.0	27.1	25.1
67.5°	36.7	36.1	35.5	34.8	34.2	32.9	30.9	29.7	27.7	25.8	23.2
70°	34.8	34.8	34.8	34.2	34.2	32.9	30.9	29.7	27.7	25.1	23.2
72.5°	32.9	33.5	34.2	34.2	34.8	32.9	30.9	29.0	27.1	24.5	22.6
75°	31.6	32.2	32.9	32.9	33.5	32.2	30.9	29.0	27.7	25.1	22.6
77.5°	32.2	32.9	32.9	33.5	33.5	32.2	30.9	29.0	27.7	24.5	21.3
80°	32.2	31.6	30.9	29.7	29.0	26.4	23.9	20.6	18.1	14.2	11.0
82.5°	25.1	23.9	23.2	21.9	20.6	18.1	15.5	12.9	10.3	7.7	5.2
85°	20.0	18.7	18.1	16.8	15.5	13.5	11.0	9.0	6.4	5.2	3.2
87.5°	10.3	9.7	8.4	7.7	6.4	5.2	3.2	1.9	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: P368239
 CATALOG NUMBER: MSA-SA4A-740-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: P368239
 CATALOG NUMBER: MSA-SA4A-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8
2.5°	1337.0	1369.9	1365.4	1360.9	1382.1	1403.4	1387.9	1373.1	1357.6	1342.2	1309.9
5°	1351.8	1354.4	1349.9	1344.7	1345.4	1346.0	1335.7	1325.4	1315.1	1304.8	1302.8
7.5°	1079.8	1090.1	1104.3	1117.8	1118.5	1118.5	1110.7	1103.0	1094.6	1086.9	1090.7
10°	764.6	762.0	765.8	769.7	769.1	767.8	788.4	809.0	829.0	849.6	834.8
12.5°	566.0	569.2	553.1	537.0	542.8	548.0	551.2	554.4	557.6	560.8	569.9
15°	342.3	332.6	321.0	309.4	315.2	320.4	326.2	331.3	337.2	342.3	348.1
17.5°	238.5	235.3	230.1	224.3	225.0	225.6	226.3	226.9	226.9	227.6	228.9
20°	206.9	208.9	205.0	200.5	199.2	197.3	196.0	194.7	192.7	191.5	189.5
22.5°	182.4	183.7	184.4	184.4	181.8	178.6	176.0	174.1	171.5	168.9	167.6
25°	165.7	167.0	165.7	163.7	162.5	161.2	159.9	157.9	156.6	154.7	154.1
27.5°	151.5	153.4	153.4	152.8	151.5	149.6	146.3	143.8	140.5	137.3	138.0
30°	136.7	139.2	139.2	138.6	138.0	137.3	134.1	130.9	127.6	124.4	125.7
32.5°	125.7	127.0	126.4	125.7	125.7	125.1	122.5	120.5	118.0	115.4	115.4
35°	111.5	112.2	112.2	112.2	112.2	111.5	109.6	107.7	105.7	103.8	104.4
37.5°	101.2	101.2	103.1	104.4	103.1	101.9	100.6	98.6	97.3	95.4	95.4
40°	89.6	89.6	91.5	92.8	91.5	90.3	89.6	88.3	87.7	86.4	86.4
42.5°	79.3	79.3	81.2	82.5	82.5	81.9	80.6	79.3	78.0	76.7	77.4
45°	66.4	65.8	69.0	71.6	70.3	69.0	69.0	68.3	68.3	67.7	68.3
47.5°	54.8	54.2	56.7	59.3	58.7	57.4	57.4	57.4	57.4	57.4	58.0
50°	45.8	44.5	47.1	49.0	48.3	47.1	47.1	47.7	47.7	47.7	48.3
52.5°	39.3	38.0	40.0	41.3	40.6	40.0	40.0	40.6	40.6	40.6	41.3
55°	34.8	33.5	35.5	36.7	36.1	34.8	35.5	35.5	36.1	36.1	36.1
57.5°	30.9	29.0	30.3	31.6	31.6	30.9	31.6	31.6	32.2	32.2	32.2
60°	28.4	26.4	27.7	28.4	28.4	27.7	28.4	28.4	29.0	29.0	29.0
62.5°	25.1	23.2	24.5	25.1	25.1	24.5	25.1	25.1	25.8	25.8	25.8
65°	22.6	20.6	21.3	21.9	21.9	21.9	22.6	22.6	23.2	23.2	23.2
67.5°	21.3	18.7	19.3	20.0	20.0	20.0	20.6	20.6	21.3	21.3	21.9
70°	20.6	18.1	18.7	18.7	19.3	19.3	19.3	20.0	20.0	20.0	20.0
72.5°	20.0	17.4	17.4	17.4	18.1	18.1	18.1	18.7	18.7	18.7	18.7
75°	20.0	17.4	16.8	16.1	16.8	16.8	16.8	17.4	17.4	17.4	17.4
77.5°	17.4	14.2	12.9	11.0	12.9	14.2	14.8	14.8	15.5	15.5	15.5
80°	7.1	3.2	1.9	0.0	0.6	1.3	1.9	2.6	3.2	3.9	4.5
82.5°	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.9	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: P368239
 CATALOG NUMBER: MSA-SA4A-740-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: P368239
 CATALOG NUMBER: MSA-SA4A-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8
2.5°	1277.7	1245.5	1213.2	1228.7	1244.2	1259.6	1275.1	1273.8	1271.9	1270.6	1268.7
5°	1301.5	1299.6	1297.7	1288.7	1280.3	1271.2	1262.2	1260.3	1257.7	1255.8	1253.2
7.5°	1094.6	1097.8	1101.7	1091.4	1081.1	1070.8	1060.4	1034.0	1007.6	980.5	954.1
10°	820.0	804.5	789.7	788.4	787.1	785.8	784.5	782.0	779.4	776.2	773.6
12.5°	579.5	588.6	597.6	594.4	591.1	587.3	584.1	588.6	593.7	598.2	602.7
15°	353.3	359.1	364.2	375.8	387.4	399.0	410.6	415.2	420.3	424.8	429.3
17.5°	230.1	230.8	232.1	245.0	257.2	270.1	282.4	290.7	299.1	306.9	315.2
20°	187.6	185.7	183.7	190.8	197.9	205.0	212.1	219.8	227.6	235.3	243.0
22.5°	167.0	165.7	164.4	167.0	169.5	171.5	174.1	179.9	186.3	192.1	197.9
25°	153.4	152.1	151.5	152.8	154.1	155.4	156.6	159.9	163.1	166.3	169.5
27.5°	138.0	138.6	138.6	139.9	140.5	141.8	142.5	143.8	145.7	147.0	148.3
30°	126.4	127.6	128.3	129.6	130.2	131.5	132.2	131.5	130.9	130.2	129.6
32.5°	115.4	114.7	114.7	116.0	116.7	118.0	118.6	119.9	121.2	121.8	123.1
35°	104.4	105.1	105.1	105.1	105.7	105.7	105.7	107.0	108.9	110.2	111.5
37.5°	94.8	94.8	94.1	96.1	97.3	99.3	100.6	101.9	103.8	105.1	106.4
40°	86.4	86.4	86.4	87.7	89.0	89.6	90.9	94.1	97.3	100.6	103.8
42.5°	77.4	78.0	78.0	79.3	80.6	81.2	82.5	85.1	87.0	89.6	91.5
45°	69.0	69.6	70.3	71.6	72.2	73.5	74.1	75.4	76.1	77.4	78.0
47.5°	59.3	60.0	60.6	61.9	62.5	63.8	64.5	63.8	63.8	63.2	62.5
50°	49.6	50.3	50.9	52.9	54.2	56.1	57.4	56.1	54.8	52.9	51.6
52.5°	41.9	41.9	42.5	43.8	45.1	45.8	47.1	46.4	45.8	45.1	44.5
55°	36.1	36.1	36.1	36.7	37.4	38.0	38.7	39.3	39.3	40.0	40.0
57.5°	32.2	31.6	31.6	32.2	32.9	32.9	33.5	34.2	34.2	34.8	34.8
60°	29.0	28.4	28.4	29.0	29.7	30.3	30.9	30.9	30.9	30.3	30.3
62.5°	25.8	25.8	25.8	26.4	26.4	27.1	27.1	27.1	27.7	27.7	27.7
65°	23.9	23.9	23.9	23.9	23.9	23.2	23.2	23.9	23.9	24.5	24.5
67.5°	21.9	22.6	22.6	21.9	21.3	20.6	20.0	20.6	20.6	21.3	21.3
70°	20.0	20.0	20.0	19.3	18.7	18.1	17.4	17.4	17.4	16.8	16.8
72.5°	18.7	18.1	18.1	17.4	16.1	15.5	14.2	13.5	13.5	12.9	12.2
75°	17.4	16.8	16.8	15.5	14.2	12.9	11.6	11.0	9.7	9.0	7.7
77.5°	15.5	15.5	15.5	13.5	12.2	10.3	8.4	7.1	5.8	3.9	2.6
80°	5.2	5.8	6.4	5.8	5.8	5.2	4.5	3.2	2.6	1.3	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: P368239
 CATALOG NUMBER: MSA-SA4A-740-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: P368239
 CATALOG NUMBER: MSA-SA4A-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8
2.5°	1275.8	1282.9	1289.9	1297.0	1297.7	1298.3	1299.0	1299.6	1283.5	1266.7	1250.6
5°	1266.1	1279.6	1292.5	1305.4	1298.3	1291.2	1284.1	1277.0	1276.4	1276.4	1275.8
7.5°	956.0	957.3	959.2	960.5	963.1	965.7	967.6	970.2	980.5	990.8	1000.5
10°	765.2	756.8	747.8	739.4	733.0	725.9	719.4	712.3	717.5	723.3	728.5
12.5°	595.7	588.6	580.8	573.7	571.2	568.6	565.4	562.8	579.5	596.3	612.4
15°	428.0	426.8	424.8	423.5	431.9	440.3	448.7	457.1	471.2	484.8	499.0
17.5°	318.5	321.7	324.9	328.1	333.3	338.4	343.0	348.1	358.4	369.4	379.7
20°	246.9	251.4	255.3	259.1	257.9	256.6	254.6	253.3	261.7	270.1	277.8
22.5°	201.8	205.0	208.9	212.1	212.7	213.4	214.0	214.7	219.8	224.3	229.5
25°	172.8	176.6	179.9	183.1	183.7	184.4	185.0	185.7	192.1	198.6	204.4
27.5°	152.8	156.6	161.2	165.0	166.3	167.6	168.9	170.2	174.1	177.3	181.1
30°	134.7	139.9	145.0	150.2	152.1	154.1	156.0	157.9	161.8	166.3	170.2
32.5°	125.7	128.9	131.5	134.1	138.6	142.5	147.0	150.8	155.4	160.5	165.0
35°	115.4	118.6	122.5	125.7	128.9	132.2	134.7	138.0	140.5	143.1	145.0
37.5°	108.9	112.2	114.7	117.3	118.6	119.9	120.5	121.8	123.1	124.4	125.1
40°	103.8	103.1	103.1	102.5	103.8	105.7	107.0	108.3	112.2	115.4	119.3
42.5°	90.3	88.3	87.0	85.1	88.3	90.9	94.1	96.7	101.9	107.0	112.2
45°	76.7	75.4	73.5	72.2	76.7	81.2	85.7	90.3	96.1	101.2	107.0
47.5°	63.2	63.8	63.8	64.5	69.0	73.5	77.4	81.9	87.7	93.5	99.3
50°	52.9	54.2	55.4	56.7	61.2	65.1	69.6	73.5	79.9	85.7	92.2
52.5°	46.4	48.3	49.6	51.6	55.4	60.0	63.8	67.7	73.5	79.3	85.1
55°	41.9	44.5	46.4	48.3	51.6	54.8	58.0	61.2	67.0	72.8	78.0
57.5°	36.7	38.7	40.6	42.5	45.8	49.0	51.6	54.8	60.0	65.8	70.9
60°	32.2	33.5	35.5	36.7	39.3	42.5	45.1	47.7	52.9	58.0	62.5
62.5°	28.4	29.7	30.3	30.9	33.5	36.1	38.7	41.3	45.8	50.9	55.4
65°	25.1	25.8	25.8	26.4	28.4	30.9	32.9	34.8	40.0	44.5	49.6
67.5°	21.3	21.9	21.9	21.9	23.9	25.8	27.7	29.7	34.2	39.3	43.8
70°	16.8	17.4	17.4	17.4	19.3	21.9	23.9	25.8	29.7	33.5	37.4
72.5°	12.9	12.9	13.5	13.5	15.5	18.1	20.0	21.9	25.1	28.4	31.6
75°	8.4	9.0	9.0	9.7	11.6	14.2	16.1	18.1	21.3	24.5	27.1
77.5°	3.2	4.5	5.2	5.8	7.7	9.7	11.6	13.5	16.1	19.3	21.9
80°	0.0	0.6	0.6	0.6	1.9	2.6	3.9	4.5	6.4	9.0	11.0
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: P368239
 CATALOG NUMBER: MSA-SA4A-740-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: P368239
 CATALOG NUMBER: MSA-SA4A-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8
2.5°	1233.9	1269.3	1304.8	1340.2	1375.7	1419.5	1463.4	1469.8	1476.2	1468.5	1461.4
5°	1275.1	1292.5	1309.3	1326.7	1343.4	1393.7	1443.4	1444.0	1444.0	1444.7	1444.7
7.5°	1010.8	1025.6	1040.5	1054.6	1069.5	1102.3	1135.2	1147.5	1159.1	1156.5	1153.9
10°	733.6	752.9	771.6	791.0	809.7	840.0	870.3	881.9	892.8	928.3	964.4
12.5°	629.2	647.9	666.6	684.6	703.3	734.3	765.2	787.8	809.7	831.6	853.5
15°	512.5	527.3	542.8	557.6	572.4	586.6	600.8	628.5	655.6	677.5	699.4
17.5°	390.0	396.5	402.3	408.7	414.5	421.0	427.4	439.0	450.0	469.3	488.0
20°	286.2	291.4	296.5	301.1	306.2	312.7	319.1	327.5	335.2	339.7	343.6
22.5°	234.0	241.7	249.5	256.6	264.3	268.8	273.3	275.9	278.5	280.4	282.4
25°	210.8	217.9	224.3	231.4	237.9	239.8	241.7	246.9	252.1	252.1	252.1
27.5°	184.4	194.0	204.4	214.0	223.7	226.3	228.2	230.1	231.4	228.9	225.6
30°	174.1	183.7	193.4	202.4	212.1	216.0	219.2	221.1	223.0	219.8	216.6
32.5°	169.5	178.6	186.9	196.0	204.4	209.5	214.0	219.2	223.7	224.3	225.6
35°	147.6	153.4	159.9	165.7	171.5	174.1	176.6	178.6	179.9	179.9	179.9
37.5°	126.4	134.1	142.5	150.2	157.9	163.7	169.5	170.2	170.2	171.5	173.4
40°	122.5	130.2	138.0	145.0	152.8	159.2	165.0	165.7	166.3	167.6	168.9
42.5°	117.3	125.7	134.1	142.5	150.8	157.3	163.1	163.1	162.5	164.4	165.7
45°	112.2	120.5	128.3	136.7	144.4	152.8	160.5	158.6	156.0	159.2	161.8
47.5°	105.1	114.1	123.1	131.5	140.5	148.3	155.4	154.1	152.1	155.4	158.6
50°	98.0	107.0	116.0	125.1	134.1	142.5	150.2	148.9	147.6	151.5	154.7
52.5°	90.9	99.9	109.6	118.6	127.6	134.7	141.2	140.5	139.9	143.8	148.3
55°	83.8	92.2	101.2	109.6	118.0	125.7	132.8	131.5	130.2	133.4	136.7
57.5°	76.1	84.4	92.2	100.6	108.3	114.7	120.5	118.6	116.7	120.5	124.4
60°	67.7	75.4	83.2	90.3	98.0	103.1	107.7	106.4	104.4	108.3	112.2
62.5°	60.0	67.0	74.1	80.6	87.7	91.5	95.4	94.1	92.8	96.7	101.2
65°	54.2	60.0	65.1	70.9	76.1	79.9	83.8	81.9	79.9	84.4	88.3
67.5°	48.3	52.9	58.0	62.5	67.0	70.3	73.5	72.2	70.3	73.5	76.7
70°	41.3	45.8	50.3	54.2	58.7	61.9	65.1	63.2	60.6	63.8	67.0
72.5°	34.8	38.7	42.5	45.8	49.6	52.2	54.8	52.9	50.9	53.5	56.1
75°	30.3	33.5	36.7	39.3	42.5	43.8	45.1	44.5	43.2	45.8	47.7
77.5°	24.5	27.1	30.3	32.9	35.5	35.5	35.5	36.1	36.1	38.7	41.9
80°	12.9	15.5	18.1	20.0	22.6	22.6	21.9	23.2	23.9	27.1	30.3
82.5°	0.0	1.9	3.9	5.8	7.7	7.1	5.8	6.4	6.4	7.7	9.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.3
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: P368239
 CATALOG NUMBER: MSA-SA4A-740-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: P368239
 CATALOG NUMBER: MSA-SA4A-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8
2.5°	1453.7	1445.9	1440.8	1436.3	1431.1	1426.0	1432.4	1438.9	1444.7	1451.1	1470.4
5°	1445.3	1445.3	1440.8	1436.3	1431.8	1427.3	1436.9	1445.9	1455.6	1464.6	1464.0
7.5°	1150.7	1148.1	1175.2	1201.6	1228.7	1255.1	1262.2	1269.3	1275.8	1282.9	1280.9
10°	999.9	1035.3	1046.9	1058.5	1070.1	1081.7	1095.9	1110.1	1124.3	1138.4	1143.6
12.5°	875.4	897.4	934.7	971.5	1008.9	1045.6	1064.3	1083.7	1102.3	1121.0	1157.8
15°	721.4	743.3	775.5	807.7	840.0	872.2	901.9	932.2	961.8	991.5	1036.0
17.5°	507.3	526.0	550.5	575.0	598.9	623.4	669.1	714.9	760.7	806.5	853.5
20°	348.1	352.0	363.6	375.8	387.4	399.0	440.3	482.2	523.5	564.7	626.6
22.5°	283.6	285.6	291.4	297.2	302.3	308.1	329.4	351.3	372.6	393.9	444.2
25°	251.4	251.4	255.3	259.1	263.0	266.9	278.5	290.1	301.1	312.7	344.9
27.5°	223.0	219.8	225.6	231.4	237.2	243.0	251.4	260.4	268.8	277.2	299.1
30°	213.4	210.2	217.2	224.3	231.4	238.5	246.9	255.3	263.0	271.4	286.2
32.5°	226.3	226.9	229.5	232.1	234.0	236.6	240.5	245.0	248.8	252.7	265.6
35°	179.9	179.9	184.4	188.9	192.7	197.3	204.4	211.4	218.5	225.6	239.2
37.5°	174.7	176.0	179.9	184.4	188.2	192.1	201.1	210.8	219.8	228.9	239.8
40°	169.5	170.8	176.0	181.1	186.3	191.5	200.5	208.9	217.9	226.3	236.6
42.5°	167.6	168.9	175.3	182.4	188.9	195.3	203.1	210.8	217.9	225.6	239.8
45°	165.0	167.6	175.3	183.7	191.5	199.2	206.3	213.4	220.5	227.6	245.0
47.5°	161.2	164.4	173.4	181.8	190.8	199.2	212.7	226.9	240.5	254.0	262.4
50°	158.6	161.8	171.5	181.1	190.8	200.5	222.4	244.3	265.6	287.5	283.0
52.5°	152.1	156.0	168.3	180.5	192.7	205.0	224.3	243.7	263.0	282.4	273.3
55°	139.9	143.1	157.3	171.5	185.0	199.2	213.4	227.6	241.1	255.3	245.0
57.5°	127.6	131.5	145.0	158.6	171.5	185.0	192.1	199.2	206.3	213.4	209.5
60°	116.0	119.9	138.0	156.0	174.1	192.1	185.7	179.2	172.1	165.7	170.2
62.5°	105.1	108.9	126.4	143.1	160.5	177.3	168.3	159.2	150.2	141.2	148.3
65°	92.8	96.7	103.1	110.2	116.7	123.1	122.5	121.2	120.5	119.3	127.0
67.5°	79.9	83.2	86.4	90.3	93.5	96.7	98.6	101.2	103.1	105.1	111.5
70°	69.6	72.8	76.7	79.9	83.8	87.0	88.3	89.6	90.3	91.5	97.3
72.5°	58.0	60.6	65.8	70.9	75.4	80.6	81.2	81.2	81.9	81.9	86.4
75°	50.3	52.2	56.1	60.0	63.2	67.0	69.0	70.9	72.2	74.1	76.7
77.5°	44.5	47.1	48.3	49.0	50.3	50.9	52.2	53.5	54.8	56.1	56.7
80°	32.9	36.1	37.4	38.0	39.3	40.0	40.0	39.3	39.3	38.7	39.3
82.5°	10.3	11.6	13.5	15.5	17.4	19.3	20.0	20.6	20.6	21.3	20.6
85°	1.9	2.6	3.9	5.2	5.8	7.1	6.4	5.2	4.5	3.2	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368239
 CATALOG NUMBER: MSA-SA4A-740-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: P368239

CATALOG NUMBER: MSA-SA4A-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8
2.5°	1489.8	1508.5	1527.8	1520.1	1512.3	1504.6	1496.9	1498.2	1500.1	1501.4	1502.7
5°	1463.4	1462.1	1461.4	1483.3	1505.9	1527.8	1549.7	1573.6	1598.1	1621.9	1645.8
7.5°	1279.0	1276.4	1274.5	1302.8	1331.2	1359.6	1387.9	1420.8	1454.3	1487.2	1520.1
10°	1148.8	1153.9	1159.1	1170.7	1182.9	1194.5	1206.1	1237.7	1269.3	1300.3	1331.8
12.5°	1194.5	1230.6	1267.4	1274.5	1280.9	1288.0	1294.5	1299.0	1303.5	1308.0	1312.5
15°	1081.1	1125.6	1170.0	1188.7	1206.8	1225.5	1243.5	1291.2	1338.3	1386.0	1433.1
17.5°	900.6	947.0	994.0	1050.1	1106.2	1162.3	1218.4	1270.0	1321.5	1373.1	1424.7
20°	689.1	751.0	812.9	883.8	955.4	1026.3	1097.2	1148.8	1199.7	1251.3	1302.2
22.5°	495.1	545.4	595.7	681.4	766.5	852.2	937.3	1026.9	1117.2	1206.8	1296.4
25°	377.1	408.7	440.9	525.4	609.8	693.6	778.1	901.2	1024.3	1147.5	1270.6
27.5°	320.4	342.3	363.6	439.7	515.7	591.1	667.2	813.5	959.9	1106.2	1252.6
30°	301.7	316.5	331.3	395.8	460.9	525.4	589.9	738.1	886.4	1034.7	1182.9
32.5°	278.5	290.7	303.6	360.4	417.1	473.2	529.9	674.9	820.0	964.4	1109.4
35°	252.1	265.6	278.5	335.2	391.9	448.0	504.8	655.0	805.2	955.4	1105.6
37.5°	250.1	261.1	271.4	337.2	403.6	469.3	535.1	685.3	835.5	985.0	1135.2
40°	247.5	257.9	268.2	335.2	401.6	468.7	535.1	692.4	849.6	1006.9	1164.2
42.5°	254.0	267.5	281.7	341.0	400.3	459.0	518.3	684.0	849.6	1014.7	1180.4
45°	263.0	280.4	297.8	352.0	406.1	460.3	514.4	694.3	874.1	1053.4	1233.2
47.5°	271.4	279.8	288.2	339.7	390.7	442.2	493.2	676.9	860.6	1044.3	1228.1
50°	279.1	274.6	270.1	326.8	383.6	439.7	496.4	671.7	846.4	1021.8	1196.5
52.5°	263.7	254.6	245.0	305.6	366.2	426.1	486.7	663.3	840.0	1016.6	1193.2
55°	234.7	224.3	214.0	274.0	333.3	393.2	452.5	628.5	804.5	980.5	1156.5
57.5°	205.0	201.1	196.6	242.4	288.2	333.3	379.1	574.4	770.4	965.7	1161.0
60°	174.7	178.6	183.1	216.0	248.8	281.1	313.9	505.4	696.2	887.7	1078.5
62.5°	154.7	161.8	168.3	196.0	224.3	252.1	279.8	460.3	640.8	821.3	1001.8
65°	135.4	143.1	150.8	183.7	217.2	250.1	283.0	435.8	588.6	741.3	894.1
67.5°	118.0	123.8	130.2	173.4	216.6	259.8	303.0	428.0	552.5	677.5	801.9
70°	103.1	108.3	114.1	164.4	214.7	265.0	315.2	421.6	528.6	635.0	741.3
72.5°	90.9	95.4	99.9	150.8	201.8	252.7	303.6	398.4	492.5	587.3	681.4
75°	79.3	81.2	83.8	127.0	169.5	212.7	255.3	318.5	382.3	445.5	508.6
77.5°	57.4	57.4	58.0	70.9	83.2	96.1	108.3	147.6	186.9	225.6	265.0
80°	39.3	40.0	40.0	45.1	49.6	54.8	59.3	67.7	75.4	83.8	91.5
82.5°	20.0	18.7	18.1	23.2	28.4	33.5	38.7	40.6	41.9	43.8	45.1
85°	1.9	0.6	0.0	3.2	6.4	9.7	12.9	15.5	18.1	20.6	23.2
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: P368239
 CATALOG NUMBER: MSA-SA4A-740-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: P368239

CATALOG NUMBER: MSA-SA4A-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8
2.5°	1497.5	1492.4	1487.2	1482.0	1513.6	1545.9	1577.5	1609.0	1698.6	1757.3	1750.9
5°	1669.0	1692.2	1715.4	1738.6	1776.0	1814.0	1851.4	1888.8	2021.6	2102.8	2114.4
7.5°	1556.2	1591.6	1627.7	1663.2	1735.4	1807.0	1879.2	1950.7	2059.7	2144.1	2191.8
10°	1372.5	1413.1	1453.0	1493.7	1574.9	1656.7	1738.0	1819.2	1941.7	2058.4	2118.3
12.5°	1376.3	1440.1	1504.0	1567.8	1638.7	1709.6	1779.9	1850.8	1925.6	1964.9	2049.3
15°	1483.3	1533.6	1583.9	1634.2	1727.0	1819.8	1912.0	2004.9	2049.3	2144.1	2242.7
17.5°	1522.7	1621.3	1719.3	1817.3	1933.3	2048.7	2164.7	2280.1	2363.9	2495.4	2597.3
20°	1449.8	1597.4	1744.4	1892.0	2051.3	2210.5	2369.7	2529.0	2620.5	2745.6	2902.9
22.5°	1453.0	1609.7	1765.7	1922.3	2142.2	2361.3	2581.2	2800.4	3046.0	3287.1	3363.8
25°	1475.6	1680.6	1885.0	2090.0	2343.9	2597.9	2851.9	3105.9	3402.5	3655.8	3757.7
27.5°	1483.3	1714.1	1944.3	2175.0	2536.0	2897.1	3258.1	3619.1	3973.0	4259.2	4368.1
30°	1464.6	1747.0	2028.7	2310.4	2753.3	3196.2	3639.0	4081.9	4417.8	4751.1	4886.4
32.5°	1469.2	1828.9	2188.6	2548.3	3069.8	3592.0	4113.5	4635.0	4849.7	5150.1	5388.6
35°	1500.1	1894.6	2288.5	2683.0	3260.0	3836.9	4413.9	4990.9	5342.8	5660.0	5862.4
37.5°	1572.3	2009.4	2445.8	2882.9	3592.0	4301.7	5010.9	5720.0	6264.7	6809.4	6902.3
40°	1625.8	2087.4	2548.9	3010.5	3833.7	4656.9	5480.2	6303.4	6919.7	7510.8	7574.0
42.5°	1686.4	2191.8	2697.9	3203.3	4123.8	5044.4	5964.9	6885.5	7599.1	8201.9	8243.8
45°	1752.8	2273.0	2792.6	3312.2	4276.6	5240.3	6204.7	7168.5	8002.0	8702.1	8544.2
47.5°	1784.4	2340.7	2897.1	3453.4	4487.4	5520.8	6554.8	7588.2	8336.0	8953.5	8769.2
50°	1808.9	2420.7	3033.1	3644.8	4729.1	5813.4	6897.7	7982.0	8731.8	9301.6	9012.8
52.5°	1877.9	2561.8	3246.5	3930.4	5083.7	6236.3	7389.6	8542.2	9267.5	9790.9	9386.1
55°	1944.9	2732.7	3521.1	4308.8	5549.1	6790.1	8030.4	9270.7	9992.7	10441.4	9891.5
57.5°	2029.4	2898.3	3766.7	4635.0	5961.7	7288.4	8614.4	9941.1	10647.0	11142.8	10571.6
60°	2007.4	2935.7	3864.7	4793.0	6144.1	7495.3	8846.5	10197.7	11036.4	11645.6	11258.1
62.5°	1922.3	2842.9	3762.8	4683.4	6010.7	7337.4	8664.7	9991.4	10996.4	11821.6	11691.4
65°	1750.2	2605.7	3461.8	4317.2	5584.6	6852.6	8120.0	9387.4	10627.7	11677.8	11724.2
67.5°	1523.9	2246.0	2967.3	3689.3	4871.6	6053.9	7235.5	8417.8	9881.8	11106.7	11244.6
70°	1284.1	1826.3	2369.1	2911.2	3951.7	4992.2	6032.0	7072.4	8594.5	9827.0	10087.5
72.5°	1029.5	1378.3	1726.4	2074.5	2825.5	3575.9	4326.9	5077.3	6416.2	7372.8	7827.3
75°	667.2	825.8	984.4	1143.0	1643.2	2142.8	2643.1	3142.7	4031.6	4736.2	5250.0
77.5°	297.2	329.4	361.0	393.2	779.4	1165.5	1551.7	1937.8	2324.0	2749.4	2870.0
80°	106.4	120.5	135.4	149.6	339.1	529.3	718.8	908.3	1095.3	1315.1	1368.6
82.5°	44.5	44.5	43.8	43.2	110.9	178.6	246.3	313.9	362.9	417.1	427.4
85°	18.1	13.5	8.4	3.2	14.2	25.8	36.7	47.7	76.7	69.6	128.9
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: P368239
 CATALOG NUMBER: MSA-SA4A-740-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: P368239

CATALOG NUMBER: MSA-SA4A-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8
2.5°	1726.4	1725.1	1723.8	1722.5	1721.2	1698.0	1675.4	1652.2	1629.7	1658.0	1686.4
5°	2095.8	2129.3	2162.8	2197.0	2230.5	2240.2	2249.8	2259.5	2269.2	2289.8	2310.4
7.5°	2231.8	2288.5	2344.6	2401.3	2457.4	2509.6	2561.2	2613.4	2665.6	2652.7	2639.8
10°	2184.7	2287.2	2389.7	2492.9	2595.4	2617.9	2640.5	2663.7	2686.3	2744.9	2803.6
12.5°	2133.8	2256.9	2380.0	2503.2	2626.3	2694.6	2762.3	2830.7	2899.0	2958.3	3017.6
15°	2375.5	2454.2	2532.8	2612.1	2690.8	2750.7	2810.0	2870.0	2929.3	2970.5	3011.2
17.5°	2693.3	2732.0	2770.7	2810.0	2848.7	2895.8	2942.8	2989.9	3036.9	3061.4	3085.9
20°	3029.2	3046.0	3062.7	3079.5	3096.2	3058.9	3021.5	2984.1	2946.7	2969.9	2992.5
22.5°	3366.4	3372.2	3378.6	3384.4	3390.2	3303.2	3216.2	3129.1	3042.1	3005.4	2968.6
25°	3885.3	3842.8	3800.2	3757.7	3715.1	3612.0	3508.8	3405.7	3302.5	3211.6	3120.7
27.5°	4447.4	4303.0	4159.3	4014.9	3871.1	3768.0	3664.8	3561.7	3458.5	3321.9	3185.2
30°	5014.1	4781.4	4549.3	4316.6	4084.5	3962.0	3839.5	3716.4	3593.9	3457.3	3321.2
32.5°	5533.7	5253.9	4974.1	4693.7	4413.9	4207.6	4001.3	3795.0	3588.8	3493.4	3397.9
35°	5964.3	5633.6	5302.9	4971.5	4640.8	4436.5	4232.1	4027.8	3823.4	3681.6	3540.4
37.5°	6700.5	6328.5	5956.6	5584.6	5212.6	4933.5	4655.0	4375.9	4096.7	4002.0	3907.2
40°	7379.3	6910.6	6442.0	5973.3	5504.7	5270.6	5037.3	4803.3	4569.9	4414.6	4259.8
42.5°	7918.9	7425.1	6931.9	6438.1	5944.3	5712.9	5482.1	5250.7	5019.2	4915.4	4812.3
45°	8035.5	7570.1	7105.3	6639.9	6174.4	6039.7	5905.6	5770.9	5636.8	5565.3	5494.3
47.5°	8265.7	7760.9	7256.8	6752.1	6247.3	6186.7	6126.1	6064.9	6004.3	6038.4	6072.6
50°	8394.6	7879.5	7364.5	6849.4	6334.3	6351.7	6368.5	6385.9	6403.3	6645.7	6887.4
52.5°	8644.7	8124.5	7604.3	7084.0	6563.8	6673.4	6782.3	6891.9	7000.9	7334.8	7668.1
55°	9091.5	8580.3	8069.1	7557.2	7046.0	7190.4	7334.8	7479.9	7624.3	7978.8	8332.7
57.5°	9753.5	9246.2	8739.5	8232.2	7725.5	7869.2	8013.0	8156.7	8300.5	8620.9	8940.6
60°	10587.1	10066.2	9546.0	9025.1	8504.9	8559.0	8612.5	8666.7	8720.8	9065.1	9408.6
62.5°	11236.2	10757.3	10278.9	9800.0	9321.6	9261.7	9202.4	9142.4	9083.1	9344.8	9605.9
65°	11387.1	11049.9	10713.4	10376.3	10039.1	9854.7	9671.0	9486.7	9302.3	9408.0	9513.7
67.5°	10955.2	10727.6	10500.7	10273.1	10045.6	9660.7	9275.9	8890.4	8505.5	8449.4	8393.3
70°	9952.7	9828.3	9704.5	9580.1	9456.4	8863.3	8270.8	7677.8	7085.3	6942.9	6800.4
72.5°	7853.8	7931.1	8008.5	8086.5	8163.8	7528.9	6894.5	6259.5	5624.6	5444.1	5264.2
75°	5538.2	5800.5	6062.9	6325.3	6587.7	6008.8	5430.5	4851.6	4272.7	4099.3	3926.6
77.5°	3002.8	3494.6	3986.5	4478.4	4970.2	4492.6	4015.5	3537.8	3060.1	2939.6	2819.7
80°	1423.4	1707.0	1990.0	2273.7	2557.3	2449.7	2342.0	2233.7	2126.1	2152.5	2178.9
82.5°	436.4	641.4	846.4	1051.4	1256.4	1272.5	1288.0	1304.1	1320.2	1360.2	1399.5
85°	146.3	200.5	254.6	308.8	362.9	458.3	553.8	649.8	745.2	683.3	622.1
87.5°	0.0	1.9	3.2	5.2	6.4	20.0	33.5	47.1	60.6	52.2	44.5
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: P368239
 CATALOG NUMBER: MSA-SA4A-740-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: P368239

CATALOG NUMBER: MSA-SA4A-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8
2.5°	1715.4	1743.8	1744.4	1745.7	1746.4	1747.0	1750.2	1753.4	1757.3	1760.5	1739.3
5°	2331.7	2352.3	2314.3	2276.3	2237.6	2199.5	2233.7	2267.9	2302.0	2336.2	2321.4
7.5°	2626.3	2613.4	2608.9	2605.0	2600.5	2596.6	2609.5	2622.4	2635.3	2648.2	2646.9
10°	2862.2	2920.9	2935.1	2949.3	2964.1	2978.3	2948.6	2919.0	2889.3	2859.7	2847.4
12.5°	3076.9	3136.2	3183.3	3230.3	3278.0	3325.1	3282.6	3240.6	3198.1	3156.2	3116.2
15°	3052.4	3093.0	3131.7	3170.4	3209.1	3247.7	3233.6	3220.0	3205.8	3191.7	3185.2
17.5°	3111.1	3135.6	3126.5	3117.5	3107.9	3098.8	3094.3	3090.4	3085.9	3081.4	3065.9
20°	3015.7	3038.9	3033.1	3027.9	3022.1	3016.3	3012.4	3008.6	3004.7	3000.8	2988.6
22.5°	2931.9	2895.1	2885.4	2876.4	2866.8	2857.7	2859.0	2860.3	2861.0	2862.2	2917.7
25°	3029.8	2939.0	2903.5	2868.0	2831.9	2796.5	2812.6	2828.1	2844.2	2860.3	2940.2
27.5°	3047.9	2911.2	2854.5	2797.8	2741.0	2684.3	2742.3	2800.4	2858.4	2916.4	3046.0
30°	3184.6	3048.5	2969.3	2890.6	2811.3	2732.7	2806.8	2880.9	2955.1	3029.2	3169.7
32.5°	3301.9	3206.5	3149.8	3093.0	3036.3	2979.6	2982.8	2985.4	2988.6	2991.8	3189.7
35°	3398.6	3257.4	3205.8	3154.9	3103.3	3052.4	3129.1	3205.8	3282.6	3359.3	3537.2
37.5°	3812.5	3717.7	3622.9	3528.8	3434.0	3339.9	3401.2	3462.4	3524.3	3585.5	3782.2
40°	4104.5	3949.8	3925.3	3901.4	3876.9	3853.1	3884.7	3915.6	3947.2	3978.8	4150.9
42.5°	4708.5	4604.7	4538.3	4472.6	4406.2	4340.4	4365.6	4390.7	4416.5	4441.6	4604.7
45°	5422.8	5351.2	5307.4	5263.6	5219.1	5175.2	5137.2	5099.8	5061.8	5024.4	5190.1
47.5°	6106.8	6140.9	6237.6	6333.7	6430.4	6526.4	6447.8	6369.1	6289.8	6211.2	6211.8
50°	7129.8	7371.6	7420.6	7468.9	7517.9	7566.2	7398.6	7231.0	7062.8	6895.2	6875.2
52.5°	8002.0	8335.3	8352.7	8370.1	8388.2	8405.6	8337.9	8270.2	8201.9	8134.2	7954.3
55°	8687.3	9041.2	9065.1	9088.3	9112.1	9135.3	9076.0	9017.3	8958.0	8898.7	8716.9
57.5°	9261.0	9580.8	9595.0	9608.5	9622.7	9636.9	9641.4	9645.9	9651.0	9655.5	9409.9
60°	9752.9	10097.1	10068.8	10041.0	10012.7	9985.0	9942.4	9899.9	9857.3	9814.8	9656.2
62.5°	9867.6	10129.4	10085.5	10042.3	9998.5	9955.3	9919.2	9883.8	9847.7	9811.6	9710.3
65°	9619.4	9725.2	9680.0	9634.9	9589.2	9544.0	9520.8	9498.3	9475.0	9451.8	9438.9
67.5°	8336.6	8280.5	8334.0	8387.5	8441.0	8494.5	8567.4	8640.2	8713.7	8786.6	8744.0
70°	6657.3	6514.8	6574.1	6632.8	6692.1	6750.8	6861.0	6971.2	7082.1	7192.3	7162.7
72.5°	5083.7	4903.2	4911.6	4920.0	4929.0	4937.4	4934.1	4931.6	4928.3	4925.1	4976.7
75°	3753.1	3579.7	3497.9	3416.0	3334.1	3252.3	3232.3	3212.3	3192.3	3172.3	3268.4
77.5°	2699.1	2579.2	2523.2	2467.7	2411.6	2356.2	2384.6	2412.9	2441.9	2470.3	2503.8
80°	2206.0	2232.4	2189.2	2146.7	2103.5	2060.3	2092.5	2124.1	2156.4	2188.6	2088.7
82.5°	1439.5	1478.8	1346.0	1213.2	1080.4	947.6	1028.2	1108.8	1190.0	1270.6	1229.3
85°	560.2	499.0	425.5	352.6	279.1	205.6	267.5	329.4	391.3	453.2	494.4
87.5°	36.1	28.4	22.6	16.8	10.3	4.5	9.7	14.8	20.6	25.8	43.2
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



REPORT NUMBER: P368239
 CATALOG NUMBER: MSA-SA4A-740-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: P368239

CATALOG NUMBER: MSA-SA4A-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8	1362.8
2.5°	1718.6	1697.4	1676.7	1636.1	1595.5	1554.9	1514.3	1571.0	1627.7	1684.5	1741.2
5°	2307.2	2292.4	2278.2	2282.1	2285.9	2290.4	2294.3	2302.7	2311.1	2318.8	2327.2
7.5°	2646.3	2645.0	2643.7	2614.1	2584.4	2554.1	2524.4	2539.3	2554.1	2568.9	2583.8
10°	2835.8	2823.6	2811.3	2746.2	2681.1	2615.3	2550.2	2521.9	2492.9	2464.5	2436.1
12.5°	3076.3	3035.7	2995.7	2926.1	2857.1	2787.5	2717.8	2692.1	2665.6	2639.8	2613.4
15°	3179.4	3173.0	3167.2	3117.5	3067.2	3017.6	2967.3	2879.0	2790.0	2701.7	2613.4
17.5°	3050.5	3034.4	3018.9	3097.5	3175.5	3254.2	3332.8	3241.3	3149.8	3058.2	2966.7
20°	2976.3	2964.1	2951.8	3098.2	3243.9	3390.2	3535.9	3495.3	3454.0	3413.4	3372.8
22.5°	2973.1	3029.2	3084.6	3212.9	3340.6	3468.9	3596.5	3666.8	3737.7	3807.9	3878.2
25°	3020.2	3100.8	3180.7	3393.4	3606.2	3819.5	4032.3	4112.9	4192.8	4273.4	4353.3
27.5°	3174.9	3304.5	3433.4	3619.1	3804.7	3991.0	4176.7	4352.7	4529.3	4705.3	4881.3
30°	3309.6	3450.2	3590.7	3811.8	4032.3	4253.4	4473.9	4694.3	4914.8	5135.3	5355.7
32.5°	3387.6	3586.2	3784.1	4052.9	4321.1	4589.9	4858.7	5100.5	5342.2	5583.3	5825.0
35°	3715.1	3893.7	4071.6	4368.8	4666.0	4963.8	5261.0	5560.1	5859.2	6157.7	6456.8
37.5°	3978.8	4176.0	4372.7	4697.6	5021.8	5346.7	5671.6	6084.8	6498.7	6911.9	7325.1
40°	4323.0	4495.1	4667.3	4971.5	5275.2	5579.4	5883.7	6407.8	6931.9	7455.4	7979.5
42.5°	4767.2	4930.3	5093.4	5418.9	5744.5	6070.0	6395.6	6975.7	7555.9	8135.5	8715.7
45°	5355.7	5522.1	5687.7	5946.9	6206.0	6465.2	6724.3	7341.3	7957.5	8574.5	9190.8
47.5°	6212.5	6213.1	6213.8	6400.7	6587.7	6775.3	6962.2	7583.6	8204.4	8825.9	9446.7
50°	6855.2	6834.6	6814.6	6911.3	7007.3	7104.0	7200.7	7772.5	8345.0	8916.8	9488.6
52.5°	7775.1	7595.3	7416.0	7473.4	7530.1	7587.5	7644.2	8128.4	8613.2	9097.3	9581.4
55°	8535.8	8354.0	8172.2	8150.9	8129.7	8108.4	8087.1	8532.6	8978.0	9423.5	9868.9
57.5°	9165.0	8919.4	8674.4	8625.4	8577.1	8528.1	8479.1	8949.0	9418.3	9888.3	10357.6
60°	9498.3	9339.7	9181.1	9149.5	9117.3	9085.7	9053.4	9438.9	9824.4	10209.9	10595.4
62.5°	9609.8	9508.6	9408.0	9467.3	9526.6	9586.6	9645.9	9815.4	9984.3	10153.9	10322.8
65°	9426.7	9413.8	9400.9	9522.8	9643.9	9765.8	9887.6	9845.7	9803.2	9761.3	9719.4
67.5°	8702.1	8659.6	8617.7	8885.2	9152.1	9419.6	9687.1	9484.1	9280.4	9077.3	8874.2
70°	7133.0	7102.7	7073.1	7458.6	7844.1	8230.2	8615.7	8369.5	8123.2	7877.0	7630.7
72.5°	5027.6	5079.2	5130.8	5585.2	6039.1	6493.5	6947.4	6699.2	6451.0	6202.8	5954.6
75°	3363.8	3459.8	3555.9	4023.9	4491.9	4960.6	5428.6	5137.2	4845.8	4554.4	4263.1
77.5°	2537.3	2570.9	2604.4	2900.3	3196.2	3492.7	3788.6	3548.1	3307.0	3066.6	2825.5
80°	1988.7	1888.2	1788.3	1885.6	1982.9	2080.3	2177.6	2033.9	1890.1	1747.0	1603.2
82.5°	1188.1	1146.8	1105.6	1158.4	1210.7	1263.5	1316.4	1254.5	1192.0	1130.1	1067.5
85°	535.1	576.3	616.9	670.4	723.3	776.8	830.3	743.9	657.5	571.2	484.8
87.5°	60.0	77.4	94.8	117.3	139.9	162.5	185.0	144.4	103.1	62.5	21.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368239
 CATALOG NUMBER: MSA-SA4A-740-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: P368239
 CATALOG NUMBER: MSA-SA4A-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1362.8	1362.8
2.5°	1774.1	1807.0
5°	2326.5	2325.2
7.5°	2545.1	2505.7
10°	2400.0	2363.9
12.5°	2521.2	2429.0
15°	2543.8	2474.2
17.5°	2853.2	2739.1
20°	3226.5	3079.5
22.5°	3677.1	3475.3
25°	4113.5	3873.7
27.5°	4737.5	4593.1
30°	5210.1	5063.7
32.5°	5725.8	5626.5
35°	6358.2	6258.9
37.5°	7350.9	7376.1
40°	7994.9	8010.4
42.5°	8775.6	8835.6
45°	9257.8	9324.8
47.5°	9540.2	9633.6
50°	9639.4	9790.3
52.5°	9767.7	9953.4
55°	10075.9	10282.8
57.5°	10522.6	10687.6
60°	10603.2	10610.9
62.5°	10203.5	10084.2
65°	9592.4	9465.4
67.5°	8797.5	8720.2
70°	7528.9	7427.0
72.5°	5765.1	5575.6
75°	4028.4	3793.8
77.5°	2702.4	2579.2
80°	1607.1	1610.3
82.5°	1097.2	1126.2
85°	479.0	472.5
87.5°	15.5	8.4
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: P368239
CATALOG NUMBER: MSA-SA4A-740-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)