

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: P368481

Luminaire Tested: **MSA-SA4C-730-U-SLR-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P368481
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-25)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: MSA-SA4C-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: 15985 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

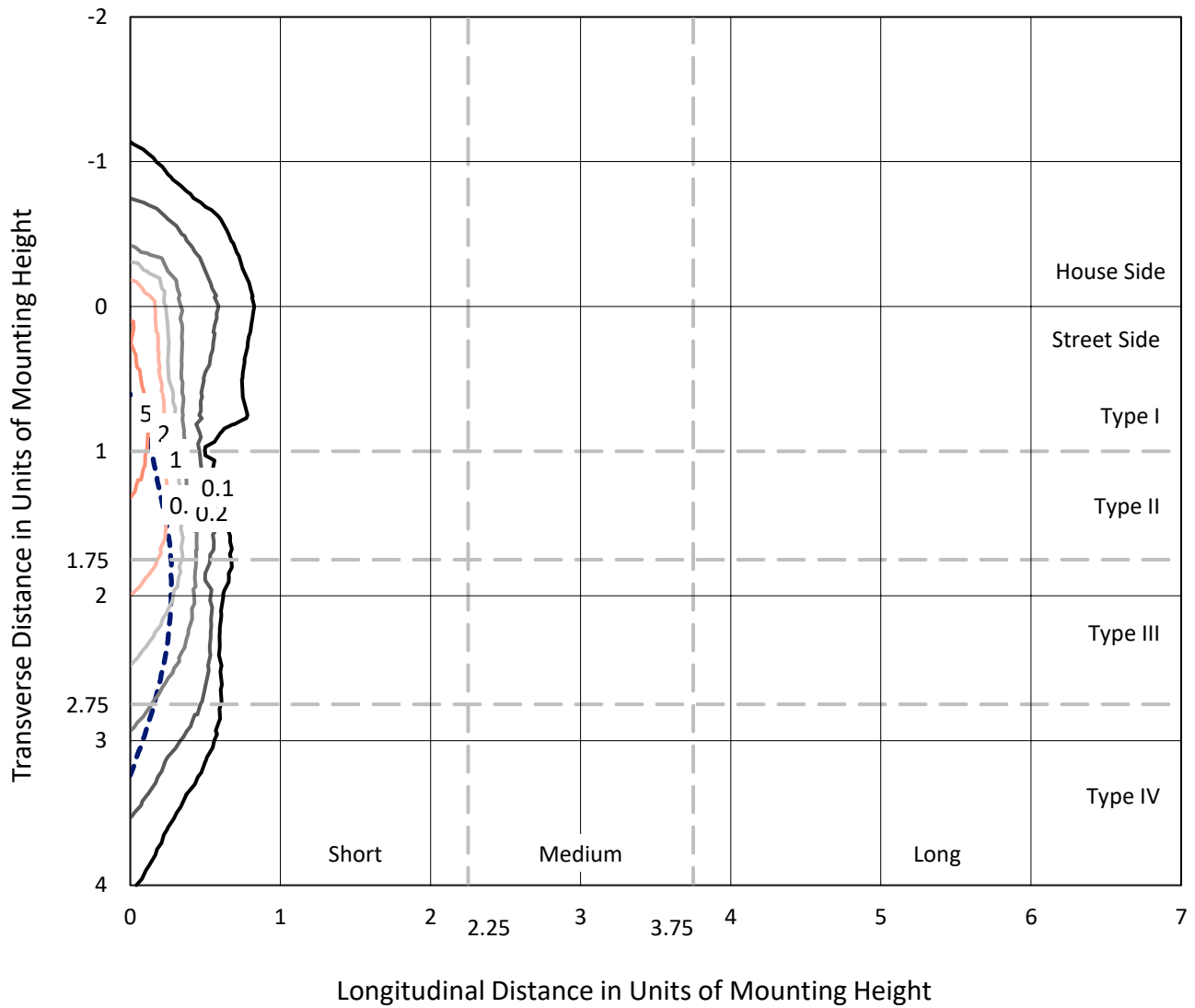
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

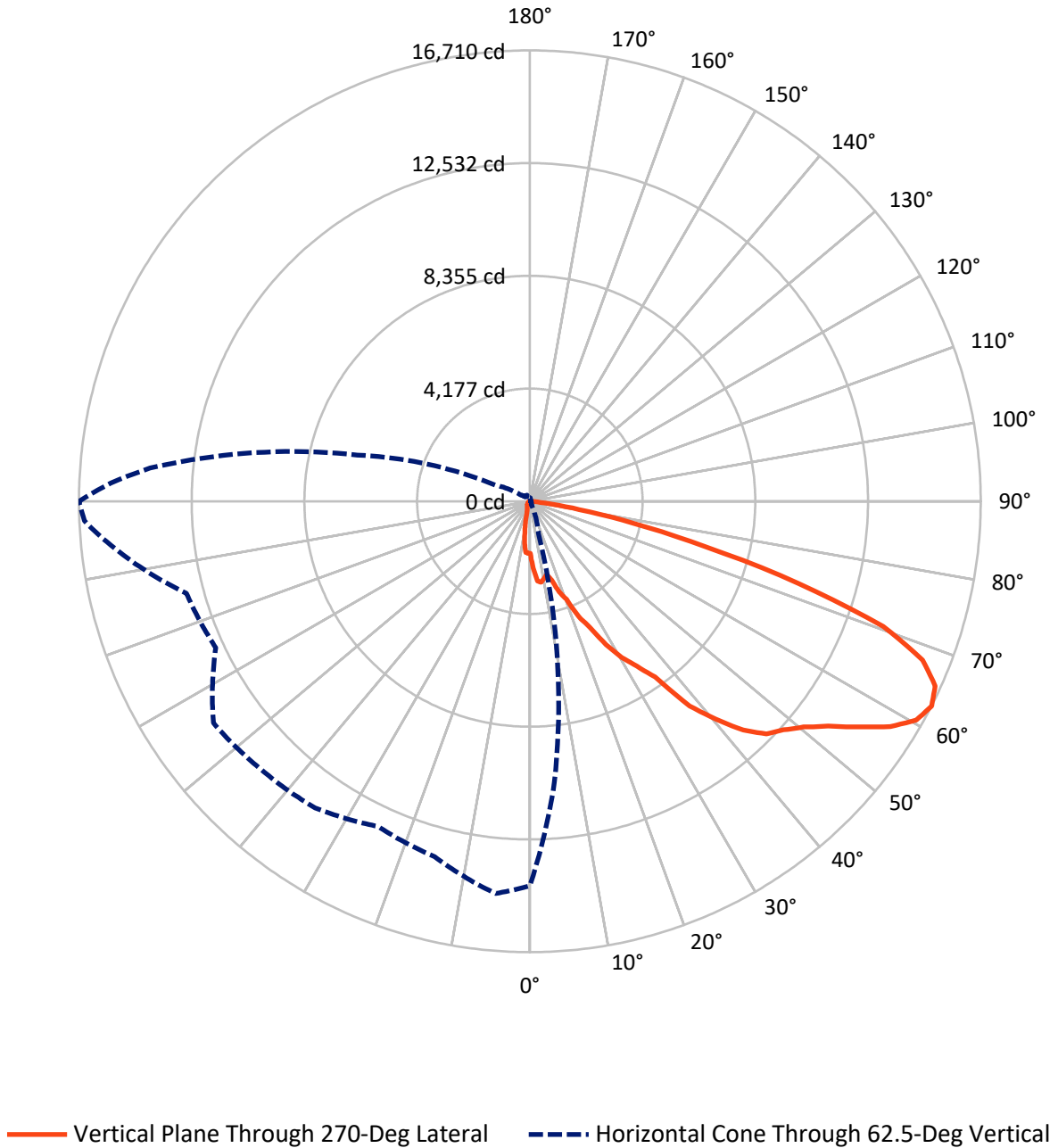
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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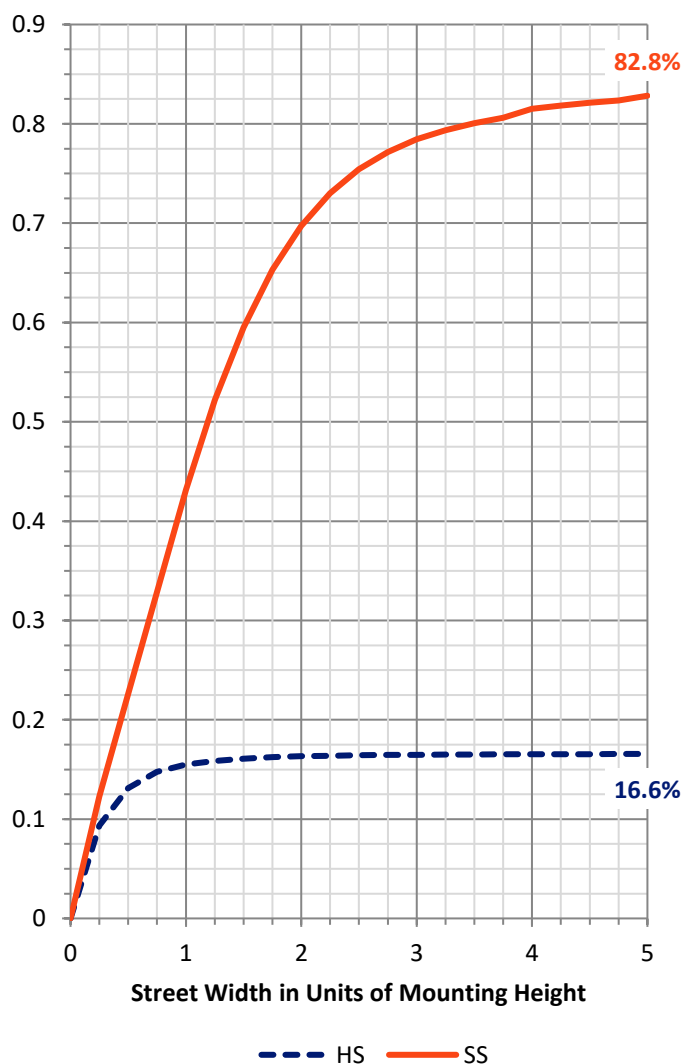
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2669.3	0.0	2669.3
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	13315.7	0.0	13315.7
	% Fixture	83.3	0.0	83.3
Total	Lumens	15985.0	0.0	15985.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.2	1.3
10°-20°	562.2	3.5
20°-30°	908.7	5.7
30°-40°	1521.9	9.5
40°-50°	2488.0	15.6
50°-60°	3683.0	23.0
60°-70°	4228.2	26.5
70°-80°	2090.6	13.1
80°-90°	287.1	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°	15985.0	100.0
0°-180°	15985.0	100.0

Coefficient of Utilization

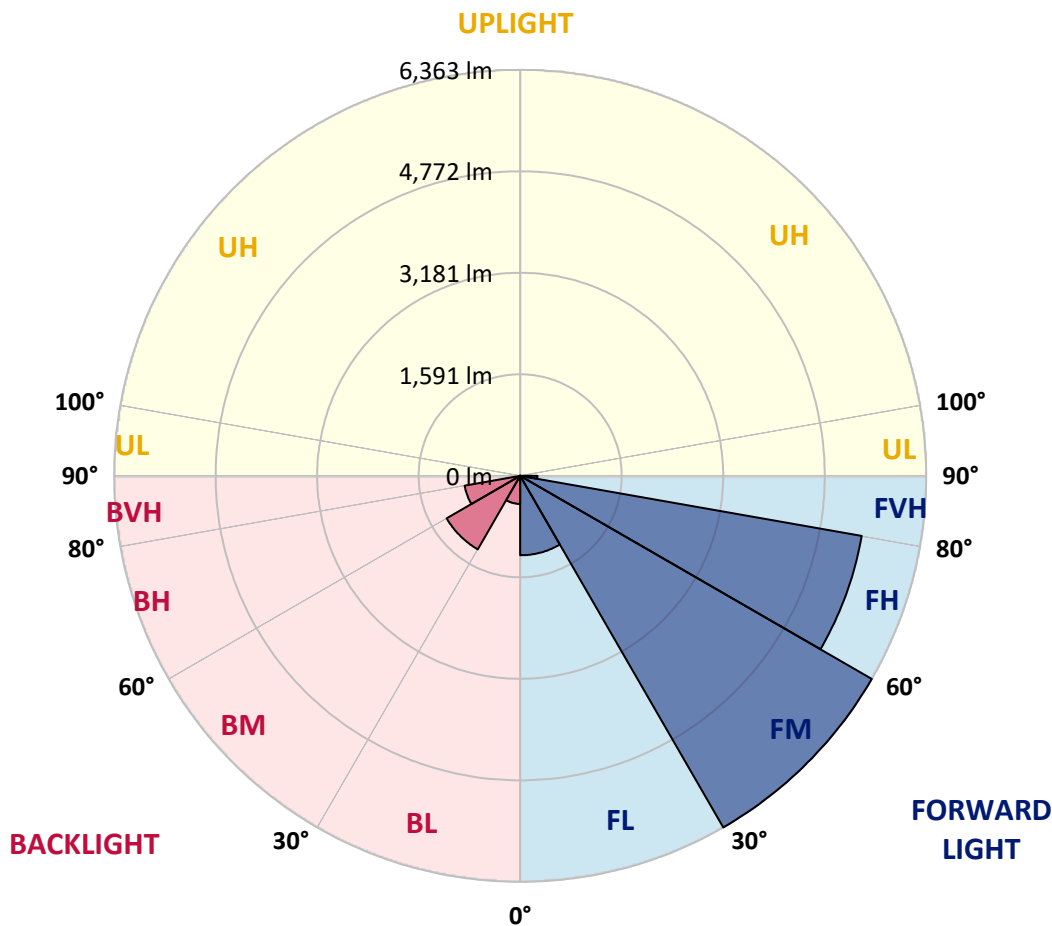


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1245.3	7.8			
FM (30°-60°)	6362.8	39.8			
FH (60°-80°)	5435.7	34.0			G3/7500
FVH (80°-90°)	271.9	1.7			G3/500
BL (0°-30°)	440.8	2.8	B1/500		
BM (30°-60°)	1330.1	8.3	B2/2500		
BH (60°-80°)	883.1	5.5	B2/1000		G2/1000
BVH (80°-90°)	15.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3
2.5°	2554.1	2586.0	2617.0	2557.7	2498.5	2439.3	2380.0	2327.2	2274.3	2220.6	2167.7
5°	3286.7	3228.4	3170.0	3089.9	3009.7	2929.5	2849.3	2811.9	2774.6	2737.2	2699.9
7.5°	3541.8	3437.9	3333.2	3262.1	3191.9	3120.8	3049.8	2937.7	2824.7	2712.6	2599.6
10°	3341.4	3231.1	3119.9	3058.0	2996.0	2934.0	2872.1	2732.7	2592.4	2452.9	2312.6
12.5°	3433.4	3314.0	3194.7	3067.1	2939.5	2811.9	2684.4	2577.8	2470.3	2363.6	2256.1
15°	3497.2	3360.5	3222.9	3077.1	2931.3	2785.5	2639.7	2514.0	2389.2	2263.4	2137.7
17.5°	3871.7	3675.8	3479.9	3255.7	3031.5	2807.4	2583.2	2437.4	2292.6	2146.8	2001.0
20°	4352.8	4074.9	3796.0	3492.6	3189.2	2885.8	2582.3	2401.0	2219.7	2038.3	1857.0
22.5°	4912.3	4565.1	4217.0	3842.5	3468.9	3094.4	2719.9	2459.3	2198.7	1938.1	1677.5
25°	5475.4	5161.9	4848.5	4344.6	3840.7	3335.9	2832.0	2501.2	2169.6	1838.8	1507.1
27.5°	6492.3	5931.9	5371.5	4730.0	4089.4	3448.0	2806.5	2427.4	2048.4	1668.4	1289.3
30°	7157.4	6726.4	6294.5	5447.1	4600.6	3753.2	2905.8	2425.6	1945.4	1464.3	984.1
32.5°	7952.9	7322.4	6690.9	5771.5	4852.1	3932.7	3013.3	2449.3	1884.4	1320.3	755.4
35°	8846.8	8160.7	7474.5	6310.0	5145.5	3980.1	2815.6	2268.9	1722.2	1175.4	628.7
37.5°	10425.9	9277.8	8129.7	6772.0	5413.4	4055.7	2697.1	2151.3	1604.6	1058.8	512.1
40°	11322.5	10226.3	9130.2	7433.5	5736.9	4040.2	2343.6	1858.8	1375.0	890.2	405.5
42.5°	12488.8	11098.4	9707.0	7810.8	5914.6	4018.4	2122.2	1673.9	1225.6	776.3	328.0
45°	13180.4	11605.0	10029.5	7974.8	5920.0	3865.3	1810.5	1422.4	1034.2	646.0	257.9
47.5°	13616.9	12036.9	10456.9	8250.9	6045.8	3839.8	1633.8	1276.6	919.4	562.2	205.0
50°	13838.3	12253.8	10668.3	8401.2	6134.2	3866.2	1599.1	1243.8	887.5	532.1	175.9
52.5°	14068.9	12540.8	11011.8	8661.8	6311.9	3961.9	1611.9	1249.2	887.5	524.8	162.2
55°	14534.5	13027.4	11519.3	9035.4	6551.5	4067.6	1583.7	1226.5	869.3	511.2	154.0
57.5°	15106.7	13495.7	11883.8	9308.8	6733.7	4158.7	1583.7	1224.6	865.6	505.7	146.7
60°	14998.3	13249.7	11500.2	9001.7	6503.2	4003.8	1505.3	1163.6	822.8	481.1	139.4
62.5°	14253.8	12355.8	10456.9	8147.9	5838.0	3529.1	1219.2	946.7	674.3	400.9	128.5
65°	13379.1	11364.4	9348.9	7224.0	5098.1	2973.2	847.4	665.2	482.0	299.8	116.6
67.5°	12325.7	10177.1	8028.5	6138.7	4249.8	2360.0	470.2	379.1	287.9	195.9	104.8
70°	10497.9	8280.0	6061.3	4608.8	3157.3	1704.8	252.4	213.2	174.0	134.9	95.7
72.5°	7880.9	5849.0	3817.0	2899.4	1982.8	1065.2	147.6	133.0	117.5	103.0	87.5
75°	5362.4	3839.8	2317.2	1764.1	1211.9	658.8	105.7	98.4	90.2	82.9	74.7
77.5°	3645.7	2637.0	1628.3	1242.9	857.4	472.0	86.6	82.0	77.5	72.0	67.4
80°	2276.2	1558.1	840.1	646.9	452.9	259.7	65.6	62.9	60.1	56.5	53.8
82.5°	1591.9	952.2	312.5	244.2	175.9	106.6	38.3	39.2	40.1	40.1	41.0
85°	667.9	360.8	53.8	45.6	37.4	29.2	21.0	22.8	25.5	27.3	29.2
87.5°	11.8	6.4	0.0	1.8	4.6	6.4	8.2	10.9	12.8	15.5	17.3
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



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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°	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3
2.5°	2181.4	2195.1	2207.8	2221.5	2210.6	2200.5	2189.6	2178.7	2162.3	2146.8	2130.4
5°	2654.3	2608.8	2563.2	2517.6	2448.4	2379.1	2309.0	2239.7	2231.5	2223.3	2214.2
7.5°	2493.0	2386.4	2278.9	2172.3	2072.1	1971.8	1871.6	1771.4	1740.4	1710.3	1679.3
10°	2230.6	2148.6	2065.7	1983.7	1911.7	1838.8	1766.8	1693.9	1618.3	1542.7	1466.1
12.5°	2170.5	2084.8	1998.3	1912.6	1847.0	1781.4	1715.8	1650.2	1565.4	1480.7	1396.0
15°	2044.7	1951.8	1858.8	1765.9	1678.4	1590.9	1502.6	1415.1	1313.0	1211.0	1108.9
17.5°	1890.7	1781.4	1671.1	1560.9	1446.1	1331.3	1216.4	1101.6	984.1	867.5	749.9
20°	1707.6	1558.1	1407.8	1258.4	1116.2	974.1	831.0	688.9	615.1	542.2	468.4
22.5°	1484.3	1290.3	1097.1	903.0	786.4	668.8	552.2	434.6	402.7	370.9	339.0
25°	1287.5	1067.9	848.3	628.7	554.9	481.1	407.3	333.5	318.9	303.4	288.8
27.5°	1082.5	876.6	669.7	462.9	421.0	378.1	336.2	293.4	283.4	274.3	264.2
30°	830.1	676.1	521.2	367.2	339.9	312.5	284.3	257.0	252.4	246.9	242.4
32.5°	643.3	530.3	418.2	305.3	289.8	274.3	258.8	243.3	236.0	228.7	220.5
35°	537.6	447.4	356.3	265.2	254.2	242.4	231.4	219.6	212.3	204.1	196.8
37.5°	445.6	380.0	313.5	246.9	235.1	223.2	210.5	198.6	193.2	187.7	182.2
40°	367.2	328.9	290.7	252.4	235.1	217.8	200.5	183.2	178.6	174.0	169.5
42.5°	303.4	278.8	253.3	228.7	216.0	204.1	191.4	178.6	172.2	164.9	158.5
45°	245.1	231.4	218.7	205.0	205.9	206.8	206.8	207.8	191.4	174.0	157.6
47.5°	198.6	192.3	185.0	178.6	185.9	193.2	199.6	206.8	189.5	172.2	154.0
50°	170.4	165.8	160.4	154.9	162.2	170.4	177.7	185.0	177.7	171.3	164.0
52.5°	155.8	149.4	143.1	136.7	139.4	143.1	145.8	148.5	148.5	148.5	148.5
55°	146.7	140.3	133.0	125.7	123.0	119.4	116.6	113.0	108.4	104.8	100.2
57.5°	139.4	132.1	123.9	116.6	112.1	106.6	102.1	96.6	92.0	86.6	82.0
60°	132.1	124.8	116.6	109.3	104.8	100.2	94.8	90.2	84.7	80.2	74.7
62.5°	122.1	115.7	109.3	103.0	98.4	94.8	90.2	85.7	80.2	74.7	68.3
65°	111.2	106.6	101.1	95.7	91.1	86.6	82.0	77.5	72.0	67.4	62.0
67.5°	101.1	96.6	92.9	88.4	82.9	78.4	72.9	67.4	63.8	60.1	55.6
70°	92.9	89.3	86.6	82.9	77.5	72.9	67.4	62.0	59.2	55.6	52.8
72.5°	84.7	82.0	78.4	75.6	71.1	66.5	62.0	57.4	54.7	51.9	49.2
75°	72.9	71.1	69.3	67.4	62.9	58.3	52.8	48.3	47.4	46.5	45.6
77.5°	65.6	64.7	62.9	61.1	56.5	51.9	47.4	42.8	43.7	44.6	44.6
80°	53.8	53.8	52.8	52.8	49.2	45.6	41.0	37.4	39.2	41.9	43.7
82.5°	41.0	41.0	41.0	41.0	37.4	33.7	30.1	26.4	29.2	31.0	33.7
85°	28.2	27.3	26.4	25.5	22.8	21.0	18.2	15.5	19.1	21.9	25.5
87.5°	17.3	18.2	18.2	18.2	16.4	13.7	11.8	9.1	10.9	11.8	13.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368481
 CATALOG NUMBER: MSA-SA4C-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: P368481
 CATALOG NUMBER: MSA-SA4C-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3
2.5°	2114.0	2086.6	2059.3	2031.1	2003.7	1939.9	1876.2	1812.4	1748.6	1796.0	1842.4
5°	2206.0	2153.2	2099.4	2046.5	1992.8	1969.1	1946.3	1922.6	1898.9	1902.6	1907.1
7.5°	1648.4	1613.7	1579.1	1543.6	1508.9	1501.7	1495.3	1488.0	1480.7	1496.2	1510.8
10°	1390.5	1342.2	1293.0	1244.7	1195.5	1169.1	1142.6	1116.2	1089.8	1087.1	1083.4
12.5°	1311.2	1237.4	1164.5	1090.7	1016.9	959.5	902.1	844.7	787.3	791.8	796.4
15°	1006.9	933.1	860.2	786.4	712.6	666.1	618.7	572.2	524.8	511.2	497.5
17.5°	632.4	577.7	523.0	467.4	412.8	397.3	382.7	367.2	351.7	347.2	342.6
20°	394.5	370.9	347.2	322.6	298.9	295.2	291.6	287.9	284.3	287.0	289.8
22.5°	307.1	297.0	286.1	276.1	265.2	261.5	257.9	254.2	250.6	253.3	255.1
25°	273.4	266.1	258.8	251.5	244.2	240.6	236.0	232.4	227.8	229.6	232.4
27.5°	254.2	247.8	241.5	235.1	228.7	222.3	216.9	210.5	204.1	207.8	210.5
30°	236.9	229.6	223.2	216.0	208.7	202.3	195.9	188.6	182.2	185.9	189.5
32.5°	213.2	206.8	199.6	193.2	185.9	182.2	178.6	174.0	170.4	173.1	174.9
35°	188.6	183.2	178.6	173.1	167.7	164.0	161.3	157.6	154.0	154.9	156.7
37.5°	176.8	170.4	164.0	157.6	151.3	149.4	147.6	144.9	143.1	143.1	143.1
40°	164.9	158.5	152.2	144.9	138.5	135.8	133.0	130.3	127.6	127.6	127.6
42.5°	151.3	144.9	138.5	132.1	125.7	123.0	119.4	116.6	113.0	113.0	113.0
45°	140.3	133.9	128.5	122.1	115.7	111.2	106.6	101.1	96.6	95.7	94.8
47.5°	136.7	127.6	118.5	109.3	100.2	95.7	91.1	85.7	81.1	80.2	79.3
50°	156.7	138.5	120.3	102.1	83.8	80.2	76.5	72.9	69.3	67.4	66.5
52.5°	148.5	129.4	110.3	91.1	72.0	69.3	66.5	63.8	61.1	59.2	57.4
55°	95.7	87.5	80.2	72.0	63.8	62.0	60.1	57.4	55.6	53.8	51.9
57.5°	76.5	72.0	68.3	63.8	59.2	57.4	55.6	52.8	51.0	48.3	46.5
60°	69.3	65.6	62.0	58.3	54.7	52.8	51.0	49.2	47.4	44.6	42.8
62.5°	62.9	60.1	57.4	54.7	51.9	50.1	48.3	46.5	44.6	41.9	39.2
65°	56.5	54.7	52.8	51.0	49.2	47.4	45.6	42.8	41.0	38.3	35.5
67.5°	51.9	51.0	50.1	49.2	48.3	46.5	43.7	41.9	39.2	36.4	32.8
70°	49.2	49.2	49.2	48.3	48.3	46.5	43.7	41.9	39.2	35.5	32.8
72.5°	46.5	47.4	48.3	48.3	49.2	46.5	43.7	41.0	38.3	34.6	31.9
75°	44.6	45.6	46.5	46.5	47.4	45.6	43.7	41.0	39.2	35.5	31.9
77.5°	45.6	46.5	46.5	47.4	47.4	45.6	43.7	41.0	39.2	34.6	30.1
80°	45.6	44.6	43.7	41.9	41.0	37.4	33.7	29.2	25.5	20.0	15.5
82.5°	35.5	33.7	32.8	31.0	29.2	25.5	21.9	18.2	14.6	10.9	7.3
85°	28.2	26.4	25.5	23.7	21.9	19.1	15.5	12.8	9.1	7.3	4.6
87.5°	14.6	13.7	11.8	10.9	9.1	7.3	4.6	2.7	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: P368481
 CATALOG NUMBER: MSA-SA4C-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: P368481
 CATALOG NUMBER: MSA-SA4C-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°	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3
2.5°	1889.8	1936.3	1929.9	1923.5	1953.6	1983.7	1961.8	1940.8	1919.0	1897.1	1851.5
5°	1910.8	1914.4	1908.0	1900.8	1901.7	1902.6	1888.0	1873.4	1858.8	1844.3	1841.5
7.5°	1526.3	1540.8	1560.9	1580.0	1580.9	1580.9	1570.0	1559.1	1547.2	1536.3	1541.7
10°	1080.7	1077.0	1082.5	1088.0	1087.1	1085.2	1114.4	1143.6	1171.8	1201.0	1180.0
12.5°	800.0	804.6	781.8	759.0	767.2	774.5	779.1	783.6	788.2	792.7	805.5
15°	483.8	470.2	453.8	437.4	445.6	452.9	461.1	468.4	476.6	483.8	492.0
17.5°	337.1	332.6	325.3	317.1	318.0	318.9	319.8	320.7	320.7	321.7	323.5
20°	292.5	295.2	289.8	283.4	281.6	278.8	277.0	275.2	272.4	270.6	267.9
22.5°	257.9	259.7	260.6	260.6	257.0	252.4	248.8	246.0	242.4	238.7	236.9
25°	234.2	236.0	234.2	231.4	229.6	227.8	226.0	223.2	221.4	218.7	217.8
27.5°	214.1	216.9	216.9	216.0	214.1	211.4	206.8	203.2	198.6	194.1	195.0
30°	193.2	196.8	196.8	195.9	195.0	194.1	189.5	185.0	180.4	175.9	177.7
32.5°	177.7	179.5	178.6	177.7	177.7	176.8	173.1	170.4	166.7	163.1	163.1
35°	157.6	158.5	158.5	158.5	158.5	157.6	154.9	152.2	149.4	146.7	147.6
37.5°	143.1	143.1	145.8	147.6	145.8	144.0	142.1	139.4	137.6	134.9	134.9
40°	126.7	126.7	129.4	131.2	129.4	127.6	126.7	124.8	123.9	122.1	122.1
42.5°	112.1	112.1	114.8	116.6	116.6	115.7	113.9	112.1	110.3	108.4	109.3
45°	93.9	92.9	97.5	101.1	99.3	97.5	97.5	96.6	96.6	95.7	96.6
47.5°	77.5	76.5	80.2	83.8	82.9	81.1	81.1	81.1	81.1	81.1	82.0
50°	64.7	62.9	66.5	69.3	68.3	66.5	66.5	67.4	67.4	67.4	68.3
52.5°	55.6	53.8	56.5	58.3	57.4	56.5	56.5	57.4	57.4	57.4	58.3
55°	49.2	47.4	50.1	51.9	51.0	49.2	50.1	50.1	51.0	51.0	51.0
57.5°	43.7	41.0	42.8	44.6	44.6	43.7	44.6	44.6	45.6	45.6	45.6
60°	40.1	37.4	39.2	40.1	40.1	39.2	40.1	40.1	41.0	41.0	41.0
62.5°	35.5	32.8	34.6	35.5	35.5	34.6	35.5	35.5	36.4	36.4	36.4
65°	31.9	29.2	30.1	31.0	31.0	31.0	31.9	31.9	32.8	32.8	32.8
67.5°	30.1	26.4	27.3	28.2	28.2	28.2	29.2	29.2	30.1	30.1	31.0
70°	29.2	25.5	26.4	26.4	27.3	27.3	27.3	28.2	28.2	28.2	28.2
72.5°	28.2	24.6	24.6	24.6	25.5	25.5	25.5	26.4	26.4	26.4	26.4
75°	28.2	24.6	23.7	22.8	23.7	23.7	23.7	24.6	24.6	24.6	24.6
77.5°	24.6	20.0	18.2	15.5	18.2	20.0	21.0	21.0	21.9	21.9	21.9
80°	10.0	4.6	2.7	0.0	0.9	1.8	2.7	3.6	4.6	5.5	6.4
82.5°	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.7	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: P368481
 CATALOG NUMBER: MSA-SA4C-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: P368481
 CATALOG NUMBER: MSA-SA4C-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3
2.5°	1806.0	1760.4	1714.9	1736.7	1758.6	1780.5	1802.3	1800.5	1797.8	1796.0	1793.2
5°	1839.7	1837.0	1834.2	1821.5	1809.6	1796.9	1784.1	1781.4	1777.7	1775.0	1771.4
7.5°	1547.2	1551.8	1557.2	1542.7	1528.1	1513.5	1498.9	1461.6	1424.2	1385.9	1348.6
10°	1159.0	1137.2	1116.2	1114.4	1112.6	1110.7	1108.9	1105.3	1101.6	1097.1	1093.4
12.5°	819.2	831.9	844.7	840.1	835.6	830.1	825.5	831.9	839.2	845.6	852.0
15°	499.3	507.5	514.8	531.2	547.6	564.0	580.4	586.8	594.1	600.5	606.9
17.5°	325.3	326.2	328.0	346.3	363.6	381.8	399.1	410.9	422.8	433.7	445.6
20°	265.2	262.4	259.7	269.7	279.7	289.8	299.8	310.7	321.7	332.6	343.5
22.5°	236.0	234.2	232.4	236.0	239.6	242.4	246.0	254.2	263.3	271.5	279.7
25°	216.9	215.0	214.1	216.0	217.8	219.6	221.4	226.0	230.5	235.1	239.6
27.5°	195.0	195.9	195.9	197.7	198.6	200.5	201.4	203.2	205.9	207.8	209.6
30°	178.6	180.4	181.3	183.2	184.1	185.9	186.8	185.9	185.0	184.1	183.2
32.5°	163.1	162.2	162.2	164.0	164.9	166.7	167.7	169.5	171.3	172.2	174.0
35°	147.6	148.5	148.5	148.5	149.4	149.4	149.4	151.3	154.0	155.8	157.6
37.5°	133.9	133.9	133.0	135.8	137.6	140.3	142.1	144.0	146.7	148.5	150.3
40°	122.1	122.1	122.1	123.9	125.7	126.7	128.5	133.0	137.6	142.1	146.7
42.5°	109.3	110.3	110.3	112.1	113.9	114.8	116.6	120.3	123.0	126.7	129.4
45°	97.5	98.4	99.3	101.1	102.1	103.9	104.8	106.6	107.5	109.3	110.3
47.5°	83.8	84.7	85.7	87.5	88.4	90.2	91.1	90.2	90.2	89.3	88.4
50°	70.2	71.1	72.0	74.7	76.5	79.3	81.1	79.3	77.5	74.7	72.9
52.5°	59.2	59.2	60.1	62.0	63.8	64.7	66.5	65.6	64.7	63.8	62.9
55°	51.0	51.0	51.0	51.9	52.8	53.8	54.7	55.6	55.6	56.5	56.5
57.5°	45.6	44.6	44.6	45.6	46.5	46.5	47.4	48.3	48.3	49.2	49.2
60°	41.0	40.1	40.1	41.0	41.9	42.8	43.7	43.7	43.7	42.8	42.8
62.5°	36.4	36.4	36.4	37.4	37.4	38.3	38.3	38.3	39.2	39.2	39.2
65°	33.7	33.7	33.7	33.7	33.7	32.8	32.8	33.7	33.7	34.6	34.6
67.5°	31.0	31.9	31.9	31.0	30.1	29.2	28.2	29.2	29.2	30.1	30.1
70°	28.2	28.2	28.2	27.3	26.4	25.5	24.6	24.6	24.6	23.7	23.7
72.5°	26.4	25.5	25.5	24.6	22.8	21.9	20.0	19.1	19.1	18.2	17.3
75°	24.6	23.7	23.7	21.9	20.0	18.2	16.4	15.5	13.7	12.8	10.9
77.5°	21.9	21.9	21.9	19.1	17.3	14.6	11.8	10.0	8.2	5.5	3.6
80°	7.3	8.2	9.1	8.2	8.2	7.3	6.4	4.6	3.6	1.8	0.0
82.5°	0.9	0.9	0.9	0.9	0.9	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: P368481
 CATALOG NUMBER: MSA-SA4C-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: P368481
 CATALOG NUMBER: MSA-SA4C-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°	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3
2.5°	1803.3	1813.3	1823.3	1833.3	1834.2	1835.1	1836.1	1837.0	1814.2	1790.5	1767.7
5°	1789.6	1808.7	1826.9	1845.2	1835.1	1825.1	1815.1	1805.1	1804.2	1804.2	1803.3
7.5°	1351.3	1353.1	1355.9	1357.7	1361.3	1365.0	1367.7	1371.3	1385.9	1400.5	1414.2
10°	1081.6	1069.7	1057.0	1045.1	1036.0	1026.0	1016.9	1006.9	1014.2	1022.4	1029.7
12.5°	841.9	831.9	821.0	811.0	807.3	803.7	799.1	795.5	819.2	842.9	865.6
15°	605.0	603.2	600.5	598.7	610.5	622.3	634.2	646.0	666.1	685.2	705.3
17.5°	450.1	454.7	459.2	463.8	471.1	478.4	484.8	492.0	506.6	522.1	536.7
20°	349.0	355.4	360.8	366.3	364.5	362.7	359.9	358.1	369.9	381.8	392.7
22.5°	285.2	289.8	295.2	299.8	300.7	301.6	302.5	303.4	310.7	317.1	324.4
25°	244.2	249.7	254.2	258.8	259.7	260.6	261.5	262.4	271.5	280.6	288.8
27.5°	216.0	221.4	227.8	233.3	235.1	236.9	238.7	240.6	246.0	250.6	256.0
30°	190.4	197.7	205.0	212.3	215.0	217.8	220.5	223.2	228.7	235.1	240.6
32.5°	177.7	182.2	185.9	189.5	195.9	201.4	207.8	213.2	219.6	226.9	233.3
35°	163.1	167.7	173.1	177.7	182.2	186.8	190.4	195.0	198.6	202.3	205.0
37.5°	154.0	158.5	162.2	165.8	167.7	169.5	170.4	172.2	174.0	175.9	176.8
40°	146.7	145.8	145.8	144.9	146.7	149.4	151.3	153.1	158.5	163.1	168.6
42.5°	127.6	124.8	123.0	120.3	124.8	128.5	133.0	136.7	144.0	151.3	158.5
45°	108.4	106.6	103.9	102.1	108.4	114.8	121.2	127.6	135.8	143.1	151.3
47.5°	89.3	90.2	90.2	91.1	97.5	103.9	109.3	115.7	123.9	132.1	140.3
50°	74.7	76.5	78.4	80.2	86.6	92.0	98.4	103.9	113.0	121.2	130.3
52.5°	65.6	68.3	70.2	72.9	78.4	84.7	90.2	95.7	103.9	112.1	120.3
55°	59.2	62.9	65.6	68.3	72.9	77.5	82.0	86.6	94.8	103.0	110.3
57.5°	51.9	54.7	57.4	60.1	64.7	69.3	72.9	77.5	84.7	92.9	100.2
60°	45.6	47.4	50.1	51.9	55.6	60.1	63.8	67.4	74.7	82.0	88.4
62.5°	40.1	41.9	42.8	43.7	47.4	51.0	54.7	58.3	64.7	72.0	78.4
65°	35.5	36.4	36.4	37.4	40.1	43.7	46.5	49.2	56.5	62.9	70.2
67.5°	30.1	31.0	31.0	31.0	33.7	36.4	39.2	41.9	48.3	55.6	62.0
70°	23.7	24.6	24.6	24.6	27.3	31.0	33.7	36.4	41.9	47.4	52.8
72.5°	18.2	18.2	19.1	19.1	21.9	25.5	28.2	31.0	35.5	40.1	44.6
75°	11.8	12.8	12.8	13.7	16.4	20.0	22.8	25.5	30.1	34.6	38.3
77.5°	4.6	6.4	7.3	8.2	10.9	13.7	16.4	19.1	22.8	27.3	31.0
80°	0.0	0.9	0.9	0.9	2.7	3.6	5.5	6.4	9.1	12.8	15.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368481
 CATALOG NUMBER: MSA-SA4C-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: P368481
 CATALOG NUMBER: MSA-SA4C-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3
2.5°	1744.0	1794.1	1844.3	1894.4	1944.5	2006.5	2068.4	2077.5	2086.6	2075.7	2065.7
5°	1802.3	1826.9	1850.6	1875.2	1898.9	1970.0	2040.2	2041.1	2041.1	2042.0	2042.0
7.5°	1428.8	1449.7	1470.7	1490.7	1511.7	1558.1	1604.6	1621.9	1638.3	1634.7	1631.0
10°	1036.9	1064.3	1090.7	1118.0	1144.5	1187.3	1230.1	1246.5	1262.0	1312.1	1363.1
12.5°	889.3	915.8	942.2	967.7	994.1	1037.9	1081.6	1113.5	1144.5	1175.4	1206.4
15°	724.4	745.4	767.2	788.2	809.1	829.2	849.2	888.4	926.7	957.7	988.6
17.5°	551.3	560.4	568.6	577.7	585.9	595.0	604.1	620.5	636.0	663.4	689.8
20°	404.6	411.9	419.1	425.5	432.8	441.9	451.0	462.9	473.8	480.2	485.7
22.5°	330.8	341.7	352.6	362.7	373.6	380.0	386.3	390.0	393.6	396.4	399.1
25°	298.0	308.0	317.1	327.1	336.2	339.0	341.7	349.0	356.3	356.3	356.3
27.5°	260.6	274.3	288.8	302.5	316.2	319.8	322.6	325.3	327.1	323.5	318.9
30°	246.0	259.7	273.4	286.1	299.8	305.3	309.8	312.5	315.3	310.7	306.2
32.5°	239.6	252.4	264.2	277.0	288.8	296.1	302.5	309.8	316.2	317.1	318.9
35°	208.7	216.9	226.0	234.2	242.4	246.0	249.7	252.4	254.2	254.2	254.2
37.5°	178.6	189.5	201.4	212.3	223.2	231.4	239.6	240.6	240.6	242.4	245.1
40°	173.1	184.1	195.0	205.0	216.0	225.1	233.3	234.2	235.1	236.9	238.7
42.5°	165.8	177.7	189.5	201.4	213.2	222.3	230.5	230.5	229.6	232.4	234.2
45°	158.5	170.4	181.3	193.2	204.1	216.0	226.9	224.2	220.5	225.1	228.7
47.5°	148.5	161.3	174.0	185.9	198.6	209.6	219.6	217.8	215.0	219.6	224.2
50°	138.5	151.3	164.0	176.8	189.5	201.4	212.3	210.5	208.7	214.1	218.7
52.5°	128.5	141.2	154.9	167.7	180.4	190.4	199.6	198.6	197.7	203.2	209.6
55°	118.5	130.3	143.1	154.9	166.7	177.7	187.7	185.9	184.1	188.6	193.2
57.5°	107.5	119.4	130.3	142.1	153.1	162.2	170.4	167.7	164.9	170.4	175.9
60°	95.7	106.6	117.5	127.6	138.5	145.8	152.2	150.3	147.6	153.1	158.5
62.5°	84.7	94.8	104.8	113.9	123.9	129.4	134.9	133.0	131.2	136.7	143.1
65°	76.5	84.7	92.0	100.2	107.5	113.0	118.5	115.7	113.0	119.4	124.8
67.5°	68.3	74.7	82.0	88.4	94.8	99.3	103.9	102.1	99.3	103.9	108.4
70°	58.3	64.7	71.1	76.5	82.9	87.5	92.0	89.3	85.7	90.2	94.8
72.5°	49.2	54.7	60.1	64.7	70.2	73.8	77.5	74.7	72.0	75.6	79.3
75°	42.8	47.4	51.9	55.6	60.1	62.0	63.8	62.9	61.1	64.7	67.4
77.5°	34.6	38.3	42.8	46.5	50.1	50.1	50.1	51.0	51.0	54.7	59.2
80°	18.2	21.9	25.5	28.2	31.9	31.9	31.0	32.8	33.7	38.3	42.8
82.5°	0.0	2.7	5.5	8.2	10.9	10.0	8.2	9.1	9.1	10.9	12.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8
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: P368481
 CATALOG NUMBER: MSA-SA4C-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: P368481

CATALOG NUMBER: MSA-SA4C-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°	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3
2.5°	2054.7	2043.8	2036.5	2030.1	2022.9	2015.6	2024.7	2033.8	2042.0	2051.1	2078.4
5°	2042.9	2042.9	2036.5	2030.1	2023.8	2017.4	2031.1	2043.8	2057.5	2070.2	2069.3
7.5°	1626.5	1622.8	1661.1	1698.5	1736.7	1774.1	1784.1	1794.1	1803.3	1813.3	1810.5
10°	1413.3	1463.4	1479.8	1496.2	1512.6	1529.0	1549.0	1569.1	1589.1	1609.2	1616.5
12.5°	1237.4	1268.4	1321.2	1373.2	1426.0	1478.0	1504.4	1531.7	1558.1	1584.6	1636.5
15°	1019.6	1050.6	1096.2	1141.7	1187.3	1232.8	1274.8	1317.6	1359.5	1401.4	1464.3
17.5°	717.1	743.5	778.2	812.8	846.5	881.1	945.8	1010.5	1075.2	1139.9	1206.4
20°	492.0	497.5	513.9	531.2	547.6	564.0	622.3	681.6	739.9	798.2	885.7
22.5°	400.9	403.7	411.9	420.1	427.4	435.6	465.6	496.6	526.7	556.7	627.8
25°	355.4	355.4	360.8	366.3	371.8	377.2	393.6	410.0	425.5	441.9	487.5
27.5°	315.3	310.7	318.9	327.1	335.3	343.5	355.4	368.1	380.0	391.8	422.8
30°	301.6	297.0	307.1	317.1	327.1	337.1	349.0	360.8	371.8	383.6	404.6
32.5°	319.8	320.7	324.4	328.0	330.8	334.4	339.9	346.3	351.7	357.2	375.4
35°	254.2	254.2	260.6	267.0	272.4	278.8	288.8	298.9	308.9	318.9	338.1
37.5°	246.9	248.8	254.2	260.6	266.1	271.5	284.3	298.0	310.7	323.5	339.0
40°	239.6	241.5	248.8	256.0	263.3	270.6	283.4	295.2	308.0	319.8	334.4
42.5°	236.9	238.7	247.8	257.9	267.0	276.1	287.0	298.0	308.0	318.9	339.0
45°	233.3	236.9	247.8	259.7	270.6	281.6	291.6	301.6	311.6	321.7	346.3
47.5°	227.8	232.4	245.1	257.0	269.7	281.6	300.7	320.7	339.9	359.0	370.9
50°	224.2	228.7	242.4	256.0	269.7	283.4	314.4	345.3	375.4	406.4	400.0
52.5°	215.0	220.5	237.8	255.1	272.4	289.8	317.1	344.4	371.8	399.1	386.3
55°	197.7	202.3	222.3	242.4	261.5	281.6	301.6	321.7	340.8	360.8	346.3
57.5°	180.4	185.9	205.0	224.2	242.4	261.5	271.5	281.6	291.6	301.6	296.1
60°	164.0	169.5	195.0	220.5	246.0	271.5	262.4	253.3	243.3	234.2	240.6
62.5°	148.5	154.0	178.6	202.3	226.9	250.6	237.8	225.1	212.3	199.6	209.6
65°	131.2	136.7	145.8	155.8	164.9	174.0	173.1	171.3	170.4	168.6	179.5
67.5°	113.0	117.5	122.1	127.6	132.1	136.7	139.4	143.1	145.8	148.5	157.6
70°	98.4	103.0	108.4	113.0	118.5	123.0	124.8	126.7	127.6	129.4	137.6
72.5°	82.0	85.7	92.9	100.2	106.6	113.9	114.8	114.8	115.7	115.7	122.1
75°	71.1	73.8	79.3	84.7	89.3	94.8	97.5	100.2	102.1	104.8	108.4
77.5°	62.9	66.5	68.3	69.3	71.1	72.0	73.8	75.6	77.5	79.3	80.2
80°	46.5	51.0	52.8	53.8	55.6	56.5	56.5	55.6	55.6	54.7	55.6
82.5°	14.6	16.4	19.1	21.9	24.6	27.3	28.2	29.2	29.2	30.1	29.2
85°	2.7	3.6	5.5	7.3	8.2	10.0	9.1	7.3	6.4	4.6	3.6
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: P368481
 CATALOG NUMBER: MSA-SA4C-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: P368481

CATALOG NUMBER: MSA-SA4C-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3
2.5°	2105.8	2132.2	2159.5	2148.6	2137.7	2126.7	2115.8	2117.6	2120.4	2122.2	2124.0
5°	2068.4	2066.6	2065.7	2096.7	2128.6	2159.5	2190.5	2224.2	2258.9	2292.6	2326.3
7.5°	1807.8	1804.2	1801.4	1841.5	1881.6	1921.7	1961.8	2008.3	2055.7	2102.1	2148.6
10°	1623.8	1631.0	1638.3	1654.7	1672.0	1688.4	1704.8	1749.5	1794.1	1837.9	1882.5
12.5°	1688.4	1739.5	1791.4	1801.4	1810.5	1820.6	1829.7	1836.1	1842.4	1848.8	1855.2
15°	1528.1	1590.9	1653.8	1680.2	1705.8	1732.2	1757.7	1825.1	1891.6	1959.1	2025.6
17.5°	1272.9	1338.5	1405.1	1484.3	1563.6	1642.9	1722.2	1795.1	1868.0	1940.8	2013.7
20°	974.1	1061.5	1149.0	1249.2	1350.4	1450.6	1550.9	1623.8	1695.7	1768.6	1840.6
22.5°	699.8	770.9	841.9	963.1	1083.4	1204.6	1324.9	1451.5	1579.1	1705.8	1832.4
25°	533.0	577.7	623.3	742.6	862.0	980.4	1099.8	1273.9	1447.9	1621.9	1796.0
27.5°	452.9	483.8	513.9	621.4	729.0	835.6	943.1	1149.9	1356.8	1563.6	1770.5
30°	426.4	447.4	468.4	559.5	651.5	742.6	833.7	1043.3	1252.9	1462.5	1672.0
32.5°	393.6	410.9	429.2	509.4	589.5	668.8	749.0	954.0	1159.0	1363.1	1568.2
35°	356.3	375.4	393.6	473.8	554.0	633.3	713.5	925.8	1138.1	1350.4	1562.7
37.5°	353.5	369.0	383.6	476.6	570.4	663.4	756.3	968.6	1180.9	1392.3	1604.6
40°	349.9	364.5	379.1	473.8	567.7	662.4	756.3	978.6	1201.0	1423.3	1645.6
42.5°	359.0	378.1	398.2	482.0	565.9	648.8	732.6	966.8	1201.0	1434.2	1668.4
45°	371.8	396.4	421.0	497.5	574.1	650.6	727.1	981.4	1235.6	1488.9	1743.1
47.5°	383.6	395.5	407.3	480.2	552.2	625.1	697.1	956.8	1216.4	1476.1	1735.8
50°	394.5	388.2	381.8	462.0	542.2	621.4	701.6	949.5	1196.4	1444.2	1691.2
52.5°	372.7	359.9	346.3	431.9	517.6	602.3	688.0	937.6	1187.3	1437.0	1686.6
55°	331.7	317.1	302.5	387.3	471.1	555.8	639.7	888.4	1137.2	1385.9	1634.7
57.5°	289.8	284.3	277.9	342.6	407.3	471.1	535.8	811.9	1088.9	1365.0	1641.1
60°	246.9	252.4	258.8	305.3	351.7	397.3	443.8	714.4	984.1	1254.7	1524.4
62.5°	218.7	228.7	237.8	277.0	317.1	356.3	395.5	650.6	905.7	1160.9	1416.0
65°	191.4	202.3	213.2	259.7	307.1	353.5	400.0	616.0	831.9	1047.9	1263.8
67.5°	166.7	174.9	184.1	245.1	306.2	367.2	428.3	605.0	780.9	957.7	1133.5
70°	145.8	153.1	161.3	232.4	303.4	374.5	445.6	595.9	747.2	897.5	1047.9
72.5°	128.5	134.9	141.2	213.2	285.2	357.2	429.2	563.1	696.2	830.1	963.1
75°	112.1	114.8	118.5	179.5	239.6	300.7	360.8	450.1	540.3	629.6	718.9
77.5°	81.1	81.1	82.0	100.2	117.5	135.8	153.1	208.7	264.2	318.9	374.5
80°	55.6	56.5	56.5	63.8	70.2	77.5	83.8	95.7	106.6	118.5	129.4
82.5°	28.2	26.4	25.5	32.8	40.1	47.4	54.7	57.4	59.2	62.0	63.8
85°	2.7	0.9	0.0	4.6	9.1	13.7	18.2	21.9	25.5	29.2	32.8
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: P368481
 CATALOG NUMBER: MSA-SA4C-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: P368481

CATALOG NUMBER: MSA-SA4C-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°	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3
2.5°	2116.7	2109.4	2102.1	2094.8	2139.5	2185.0	2229.7	2274.3	2401.0	2483.9	2474.8
5°	2359.1	2391.9	2424.7	2457.5	2510.3	2564.1	2617.0	2669.8	2857.5	2972.3	2988.7
7.5°	2199.6	2249.7	2300.8	2350.9	2452.9	2554.1	2656.1	2757.3	2911.3	3030.6	3098.1
10°	1939.9	1997.3	2053.8	2111.2	2226.1	2341.8	2456.6	2571.4	2744.5	2909.4	2994.2
12.5°	1945.4	2035.6	2125.8	2216.0	2316.3	2416.5	2515.8	2616.0	2721.7	2777.3	2896.7
15°	2096.7	2167.7	2238.8	2309.9	2441.1	2572.3	2702.6	2833.8	2896.7	3030.6	3170.0
17.5°	2152.2	2291.7	2430.2	2568.7	2732.7	2895.8	3059.8	3222.9	3341.4	3527.2	3671.2
20°	2049.3	2257.9	2465.7	2674.4	2899.4	3124.5	3349.6	3574.6	3704.0	3880.8	4103.1
22.5°	2053.8	2275.3	2495.8	2717.2	3027.9	3337.7	3648.4	3958.2	4305.4	4646.2	4754.6
25°	2085.7	2375.5	2664.3	2954.1	3313.1	3672.1	4031.1	4390.1	4809.3	5167.4	5311.4
27.5°	2096.7	2422.9	2748.2	3074.4	3584.6	4094.9	4605.2	5115.5	5615.7	6020.3	6174.3
30°	2070.2	2469.3	2867.5	3265.7	3891.7	4517.7	5143.7	5769.7	6244.4	6715.5	6906.9
32.5°	2076.6	2585.1	3093.5	3602.0	4339.1	5077.2	5814.3	6551.5	6854.9	7279.5	7616.7
35°	2120.4	2678.0	3234.7	3792.4	4607.9	5423.4	6239.0	7054.5	7552.0	8000.3	8286.4
37.5°	2222.4	2840.2	3457.1	4074.9	5077.2	6080.4	7082.7	8085.0	8855.0	9625.0	9756.2
40°	2298.0	2950.5	3602.9	4255.3	5418.9	6582.5	7746.1	8909.7	9780.8	10616.3	10705.6
42.5°	2383.7	3098.1	3813.4	4527.7	5828.9	7130.1	8431.3	9732.5	10741.2	11593.1	11652.4
45°	2477.5	3212.9	3947.3	4681.7	6044.9	7407.1	8770.3	10132.5	11310.7	12300.2	12077.0
47.5°	2522.2	3308.6	4094.9	4881.3	6342.8	7803.5	9265.0	10725.7	11782.7	12655.6	12395.0
50°	2556.8	3421.5	4287.2	5151.9	6684.5	8217.2	9749.8	11282.4	12342.1	13147.6	12739.4
52.5°	2654.3	3621.1	4588.8	5555.6	7185.7	8814.9	10445.0	12074.3	13099.3	13839.2	13267.0
55°	2749.1	3862.6	4977.0	6090.4	7843.6	9597.6	11350.8	13103.9	14124.4	14758.6	13981.4
57.5°	2868.4	4096.7	5324.1	6551.5	8426.7	10302.0	12176.3	14051.5	15049.3	15750.0	14942.7
60°	2837.5	4149.6	5462.6	6774.7	8684.6	10594.5	12504.3	14414.2	15599.7	16460.7	15913.1
62.5°	2717.2	4018.4	5318.6	6619.8	8496.0	10371.2	12247.4	14122.6	15543.2	16709.5	16525.4
65°	2473.9	3683.1	4893.1	6102.3	7893.7	9686.0	11477.4	13268.8	15022.0	16506.3	16571.9
67.5°	2154.1	3174.6	4194.2	5214.8	6885.9	8557.0	10227.3	11898.4	13967.7	15699.0	15894.0
70°	1815.1	2581.4	3348.6	4115.0	5585.6	7056.3	8526.1	9996.7	12148.1	13890.3	14258.4
72.5°	1455.2	1948.1	2440.2	2932.2	3993.8	5054.4	6115.9	7176.6	9069.1	10421.3	11063.7
75°	943.1	1167.2	1391.4	1615.5	2322.6	3028.8	3735.9	4442.1	5698.6	6694.6	7420.8
77.5°	420.1	465.6	510.3	555.8	1101.6	1647.4	2193.2	2739.1	3284.9	3886.2	4056.6
80°	150.3	170.4	191.4	211.4	479.3	748.1	1016.0	1283.9	1548.1	1858.8	1934.5
82.5°	62.9	62.9	62.0	61.1	156.7	252.4	348.1	443.8	513.0	589.5	604.1
85°	25.5	19.1	11.8	4.6	20.0	36.4	51.9	67.4	108.4	98.4	182.2
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: P368481
 CATALOG NUMBER: MSA-SA4C-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: P368481

CATALOG NUMBER: MSA-SA4C-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3
2.5°	2440.2	2438.4	2436.5	2434.7	2432.9	2400.1	2368.2	2335.4	2303.5	2343.6	2383.7
5°	2962.3	3009.7	3057.1	3105.4	3152.7	3166.4	3180.1	3193.7	3207.4	3236.6	3265.7
7.5°	3154.6	3234.7	3314.0	3394.2	3473.5	3547.3	3620.2	3694.0	3767.8	3749.6	3731.3
10°	3088.0	3232.9	3377.8	3523.6	3668.5	3700.4	3732.3	3765.1	3797.0	3879.9	3962.8
12.5°	3016.1	3190.1	3364.1	3538.2	3712.2	3808.8	3904.5	4001.1	4097.6	4181.5	4265.3
15°	3357.8	3468.9	3580.1	3692.2	3803.3	3888.1	3971.9	4056.6	4140.5	4198.8	4256.2
17.5°	3807.0	3861.6	3916.3	3971.9	4026.6	4093.1	4159.6	4226.1	4292.6	4327.3	4361.9
20°	4281.7	4305.4	4329.1	4352.8	4376.5	4323.6	4270.8	4217.9	4165.1	4197.9	4229.8
22.5°	4758.3	4766.5	4775.6	4783.8	4792.0	4669.0	4546.0	4422.9	4299.9	4248.0	4196.1
25°	5491.8	5431.6	5371.5	5311.4	5251.2	5105.4	4959.6	4813.8	4668.1	4539.6	4411.1
27.5°	6286.3	6082.2	5879.0	5674.9	5471.7	5325.9	5180.1	5034.4	4888.6	4695.4	4502.2
30°	7087.3	6758.3	6430.3	6101.4	5773.3	5600.2	5427.1	5253.0	5079.9	4886.7	4694.5
32.5°	7821.7	7426.2	7030.8	6634.4	6239.0	5947.4	5655.8	5364.2	5072.6	4937.8	4802.9
35°	8430.4	7962.9	7495.5	7027.1	6559.7	6270.8	5982.0	5693.1	5404.3	5203.8	5004.3
37.5°	9471.0	8945.2	8419.4	7893.7	7367.9	6973.4	6579.7	6185.2	5790.6	5656.7	5522.8
40°	10430.5	9768.0	9105.6	8443.1	7780.7	7449.9	7120.1	6789.3	6459.5	6239.9	6021.2
42.5°	11193.1	10495.2	9798.1	9100.1	8402.1	8075.0	7748.8	7421.7	7094.6	6947.9	6802.1
45°	11358.1	10700.2	10043.2	9385.3	8727.4	8537.0	8347.5	8157.0	7967.5	7866.4	7766.1
47.5°	11683.3	10969.9	10257.3	9543.9	8830.4	8744.7	8659.1	8572.5	8486.9	8535.2	8583.5
50°	11865.6	11137.5	10409.5	9681.5	8953.4	8978.0	9001.7	9026.3	9050.9	9393.5	9735.2
52.5°	12219.1	11483.8	10748.5	10013.1	9277.8	9432.7	9586.7	9741.6	9895.6	10367.6	10838.7
55°	12850.6	12128.0	11405.4	10681.9	9959.4	10163.5	10367.6	10572.6	10776.7	11277.9	11778.1
57.5°	13786.4	13069.3	12353.1	11636.0	10919.8	11123.0	11326.2	11529.4	11732.6	12185.4	12637.4
60°	14964.6	14228.3	13493.0	12756.7	12021.4	12097.9	12173.6	12250.1	12326.7	12813.2	13298.9
62.5°	15882.1	15205.1	14529.0	13852.0	13175.9	13091.1	13007.3	12922.6	12838.7	13208.7	13577.7
65°	16095.4	15618.8	15143.2	14666.6	14190.0	13929.4	13669.8	13409.2	13148.6	13298.0	13447.4
67.5°	15484.9	15163.2	14842.5	14520.8	14199.2	13655.2	13111.2	12566.3	12022.3	11943.0	11863.8
70°	14067.9	13892.1	13717.1	13541.3	13366.3	12528.0	11690.6	10852.3	10015.0	9813.6	9612.2
72.5°	11101.1	11210.4	11319.8	11430.0	11539.4	10641.9	9745.2	8847.7	7950.2	7695.0	7440.8
75°	7828.1	8198.9	8569.8	8940.7	9311.5	8493.3	7675.9	6857.7	6039.4	5794.3	5550.1
77.5°	4244.3	4939.6	5634.8	6330.1	7025.3	6350.1	5675.8	5000.6	4325.4	4155.1	3985.6
80°	2011.9	2412.8	2812.9	3213.8	3614.7	3462.5	3310.4	3157.3	3005.1	3042.5	3079.8
82.5°	616.9	906.6	1196.4	1486.2	1775.9	1798.7	1820.6	1843.3	1866.1	1922.6	1978.2
85°	206.8	283.4	359.9	436.5	513.0	647.9	782.7	918.5	1053.3	965.9	879.3
87.5°	0.0	2.7	4.6	7.3	9.1	28.2	47.4	66.5	85.7	73.8	62.9
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: P368481
 CATALOG NUMBER: MSA-SA4C-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: P368481

CATALOG NUMBER: MSA-SA4C-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°	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3
2.5°	2424.7	2464.8	2465.7	2467.5	2468.4	2469.3	2473.9	2478.5	2483.9	2488.5	2458.4
5°	3295.8	3325.0	3271.2	3217.4	3162.8	3109.0	3157.3	3205.6	3253.9	3302.2	3281.2
7.5°	3712.2	3694.0	3687.6	3682.1	3675.8	3670.3	3688.5	3706.7	3725.0	3743.2	3741.4
10°	4045.7	4128.6	4148.7	4168.7	4189.7	4209.7	4167.8	4125.9	4084.0	4042.1	4024.8
12.5°	4349.1	4433.0	4499.5	4566.0	4633.4	4699.9	4639.8	4580.6	4520.4	4461.2	4404.7
15°	4314.5	4371.9	4426.6	4481.3	4535.9	4590.6	4570.6	4551.4	4531.4	4511.3	4502.2
17.5°	4397.4	4432.1	4419.3	4406.5	4392.9	4380.1	4373.7	4368.3	4361.9	4355.5	4333.6
20°	4262.6	4295.4	4287.2	4279.9	4271.7	4263.5	4258.0	4252.5	4247.1	4241.6	4224.3
22.5°	4144.1	4092.2	4078.5	4065.8	4052.1	4039.3	4041.2	4043.0	4043.9	4045.7	4124.1
25°	4282.6	4154.1	4104.0	4053.9	4002.9	3952.8	3975.5	3997.4	4020.2	4043.0	4156.0
27.5°	4308.1	4115.0	4034.8	3954.6	3874.4	3794.2	3876.2	3958.2	4040.2	4122.2	4305.4
30°	4501.3	4309.0	4197.0	4085.8	3973.7	3862.6	3967.3	4072.1	4176.9	4281.7	4480.3
32.5°	4667.1	4532.3	4452.1	4371.9	4291.7	4211.5	4216.1	4219.7	4224.3	4228.9	4508.6
35°	4803.8	4604.3	4531.4	4459.4	4386.5	4314.5	4422.9	4531.4	4639.8	4748.2	4999.7
37.5°	5388.8	5254.9	5120.9	4987.9	4853.9	4720.9	4807.5	4894.0	4981.5	5068.1	5346.0
40°	5801.6	5582.9	5548.3	5514.6	5479.9	5446.2	5490.9	5534.6	5579.3	5623.9	5867.2
42.5°	6655.4	6508.7	6414.8	6321.9	6228.0	6135.1	6170.6	6206.2	6242.6	6278.1	6508.7
45°	7665.0	7563.8	7501.9	7439.9	7377.0	7315.1	7261.3	7208.5	7154.7	7101.9	7336.0
47.5°	8631.8	8680.0	8816.7	8952.5	9089.2	9224.9	9113.8	9002.6	8890.5	8779.4	8780.3
50°	10077.8	10419.5	10488.8	10557.1	10626.4	10694.7	10457.8	10220.9	9983.1	9746.1	9717.9
52.5°	11310.7	11781.8	11806.4	11831.0	11856.5	11881.1	11785.4	11689.7	11593.1	11497.5	11243.2
55°	12279.3	12779.5	12813.2	12846.0	12879.7	12912.6	12828.7	12745.8	12662.0	12578.1	12321.2
57.5°	13090.2	13542.2	13562.2	13581.4	13601.4	13621.5	13627.8	13634.2	13641.5	13647.9	13300.7
60°	13785.5	14272.1	14232.0	14192.8	14152.7	14113.5	14053.4	13993.2	13933.1	13873.0	13648.8
62.5°	13947.7	14317.6	14255.7	14194.6	14132.6	14071.6	14020.6	13970.5	13919.4	13868.4	13725.3
65°	13596.9	13746.3	13682.5	13618.7	13554.0	13490.3	13457.4	13425.6	13392.8	13359.9	13341.7
67.5°	11783.6	11704.3	11779.9	11855.6	11931.2	12006.8	12109.8	12212.8	12316.6	12419.6	12359.5
70°	9409.9	9208.5	9292.4	9375.3	9459.1	9542.0	9697.9	9853.7	10010.4	10166.2	10124.3
72.5°	7185.7	6930.6	6942.4	6954.2	6967.0	6978.8	6974.3	6970.6	6966.1	6961.5	7034.4
75°	5305.0	5059.9	4944.1	4828.4	4712.7	4597.0	4568.7	4540.5	4512.2	4484.0	4619.8
77.5°	3815.2	3645.7	3566.4	3488.1	3408.8	3330.4	3370.5	3410.6	3451.6	3491.7	3539.1
80°	3118.1	3155.5	3094.4	3034.3	2973.2	2912.2	2957.7	3002.4	3047.9	3093.5	2952.3
82.5°	2034.7	2090.3	1902.6	1714.9	1527.2	1339.5	1453.4	1567.3	1682.1	1796.0	1737.6
85°	791.8	705.3	601.4	498.4	394.5	290.7	378.1	465.6	553.1	640.6	698.9
87.5°	51.0	40.1	31.9	23.7	14.6	6.4	13.7	21.0	29.2	36.4	61.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368481
 CATALOG NUMBER: MSA-SA4C-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: P368481

CATALOG NUMBER: MSA-SA4C-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3	1926.3
2.5°	2429.2	2399.2	2370.0	2312.6	2255.2	2197.8	2140.4	2220.6	2300.8	2381.0	2461.1
5°	3261.2	3240.2	3220.2	3225.6	3231.1	3237.5	3242.9	3254.8	3266.6	3277.6	3289.4
7.5°	3740.5	3738.6	3736.8	3694.9	3653.0	3610.2	3568.2	3589.2	3610.2	3631.1	3652.1
10°	4008.3	3991.0	3973.7	3881.7	3789.7	3696.7	3604.7	3564.6	3523.6	3483.5	3443.4
12.5°	4348.2	4290.8	4234.3	4135.9	4038.4	3940.0	3841.6	3805.2	3767.8	3731.3	3694.0
15°	4494.0	4484.9	4476.7	4406.5	4335.5	4265.3	4194.2	4069.4	3943.7	3818.8	3694.0
17.5°	4311.8	4289.0	4267.1	4378.3	4488.5	4599.7	4710.9	4581.5	4452.1	4322.7	4193.3
20°	4207.0	4189.7	4172.4	4379.2	4585.1	4792.0	4997.9	4940.5	4882.2	4824.8	4767.4
22.5°	4202.4	4281.7	4360.1	4541.4	4721.8	4903.1	5083.6	5182.9	5283.1	5382.4	5481.8
25°	4269.0	4382.9	4495.8	4796.5	5097.2	5398.8	5699.5	5813.4	5926.4	6040.3	6153.3
27.5°	4487.6	4670.8	4853.0	5115.5	5377.9	5641.2	5903.6	6152.4	6402.1	6650.8	6899.6
30°	4678.1	4876.7	5075.4	5387.9	5699.5	6012.1	6323.7	6635.3	6947.0	7258.6	7570.2
32.5°	4788.3	5069.0	5348.7	5728.7	6107.7	6487.7	6867.7	7209.4	7551.1	7891.9	8233.6
35°	5251.2	5503.6	5755.1	6175.2	6595.2	7016.2	7436.3	7859.1	8281.9	8703.7	9126.5
37.5°	5623.9	5902.7	6180.6	6639.9	7098.2	7557.5	8016.7	8600.8	9185.8	9769.8	10353.9
40°	6110.5	6353.8	6597.1	7027.1	7456.3	7886.4	8316.5	9057.3	9798.1	10538.0	11278.8
42.5°	6738.3	6968.8	7199.4	7659.5	8119.7	8579.8	9040.0	9860.0	10680.1	11499.3	12319.4
45°	7570.2	7805.3	8039.5	8405.8	8772.1	9138.4	9504.7	10376.7	11247.8	12119.8	12990.9
47.5°	8781.2	8782.1	8783.0	9047.3	9311.5	9576.7	9840.9	10719.3	11596.8	12475.2	13352.7
50°	9689.7	9660.5	9632.2	9768.9	9904.7	10041.4	10178.1	10986.3	11795.4	12603.7	13411.9
52.5°	10989.9	10735.7	10482.4	10563.5	10643.7	10724.8	10805.0	11489.3	12174.5	12858.8	13543.1
55°	12065.1	11808.2	11551.2	11521.2	11491.1	11461.0	11430.9	12060.6	12690.2	13319.9	13949.5
57.5°	12954.5	12607.3	12261.0	12191.8	12123.5	12054.2	11985.0	12649.2	13312.6	13976.8	14640.2
60°	13425.6	13201.4	12977.2	12932.6	12887.0	12842.4	12796.8	13341.7	13886.6	14431.5	14976.4
62.5°	13583.2	13440.1	13298.0	13381.8	13465.6	13550.4	13634.2	13873.9	14112.6	14352.2	14591.0
65°	13324.4	13306.2	13288.0	13460.2	13631.5	13803.7	13975.9	13916.7	13856.6	13797.3	13738.1
67.5°	12300.2	12240.1	12180.9	12559.0	12936.2	13314.4	13692.5	13405.5	13117.6	12830.5	12543.5
70°	10082.4	10039.6	9997.6	10542.5	11087.4	11633.2	12178.1	11830.1	11482.0	11133.9	10785.8
72.5°	7106.4	7179.3	7252.2	7894.6	8536.1	9178.5	9820.0	9469.1	9118.3	8767.5	8416.7
75°	4754.6	4890.4	5026.2	5687.7	6349.2	7011.6	7673.2	7261.3	6849.5	6437.6	6025.7
77.5°	3586.5	3633.8	3681.2	4099.5	4517.7	4936.9	5355.1	5015.2	4674.4	4334.6	3993.8
80°	2811.0	2668.9	2527.7	2665.2	2802.8	2940.4	3078.0	2874.8	2671.6	2469.3	2266.1
82.5°	1679.3	1621.0	1562.7	1637.4	1711.2	1785.9	1860.7	1773.2	1684.8	1597.3	1508.9
85°	756.3	814.6	872.0	947.6	1022.4	1098.0	1173.6	1051.5	929.4	807.3	685.2
87.5°	84.7	109.3	133.9	165.8	197.7	229.6	261.5	204.1	145.8	88.4	31.0
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: P368481
 CATALOG NUMBER: MSA-SA4C-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: P368481
CATALOG NUMBER: MSA-SA4C-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1926.3	1926.3
2.5°	2507.6	2554.1
5°	3288.5	3286.7
7.5°	3597.4	3541.8
10°	3392.4	3341.4
12.5°	3563.7	3433.4
15°	3595.6	3497.2
17.5°	4033.0	3871.7
20°	4560.5	4352.8
22.5°	5197.5	4912.3
25°	5814.3	5475.4
27.5°	6696.4	6492.3
30°	7364.3	7157.4
32.5°	8093.2	7952.9
35°	8987.1	8846.8
37.5°	10390.4	10425.9
40°	11300.6	11322.5
42.5°	12404.1	12488.8
45°	13085.7	13180.4
47.5°	13484.8	13616.9
50°	13625.1	13838.3
52.5°	13806.4	14068.9
55°	14242.0	14534.5
57.5°	14873.4	15106.7
60°	14987.3	14998.3
62.5°	14422.4	14253.8
65°	13558.6	13379.1
67.5°	12435.1	12325.7
70°	10641.9	10497.9
72.5°	8148.8	7880.9
75°	5694.1	5362.4
77.5°	3819.7	3645.7
80°	2271.6	2276.2
82.5°	1550.9	1591.9
85°	677.0	667.9
87.5°	21.9	11.8
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0



REPORT NUMBER: P368481
CATALOG NUMBER: MSA-SA4C-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)