

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: P367162

Luminaire Tested: **MSA-SA2A-730-U-SLR**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367162
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-24)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: MSA-SA2A-730-U-SLR
Description: MESA POST TOP DECORATIVE LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6201 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

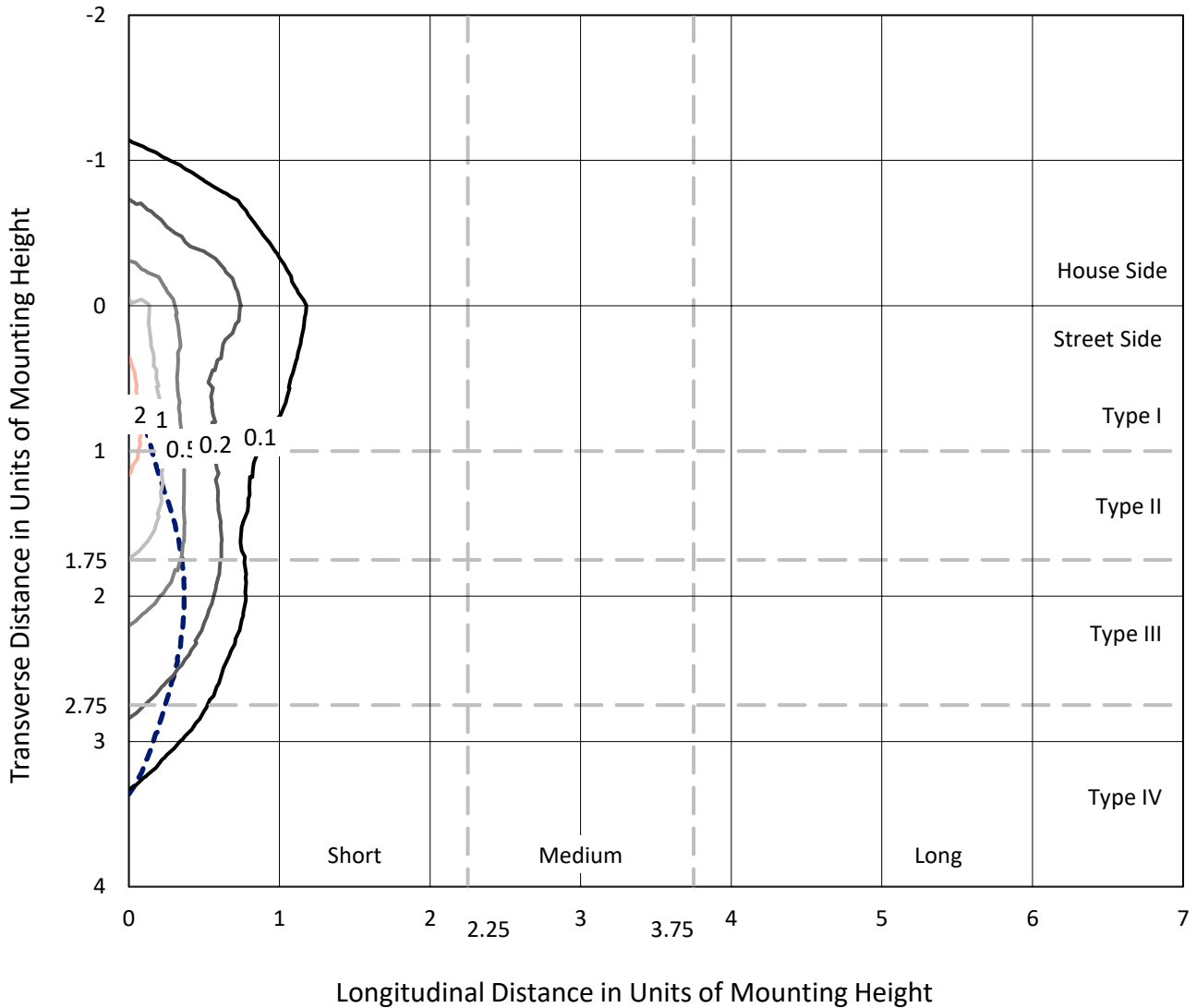
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

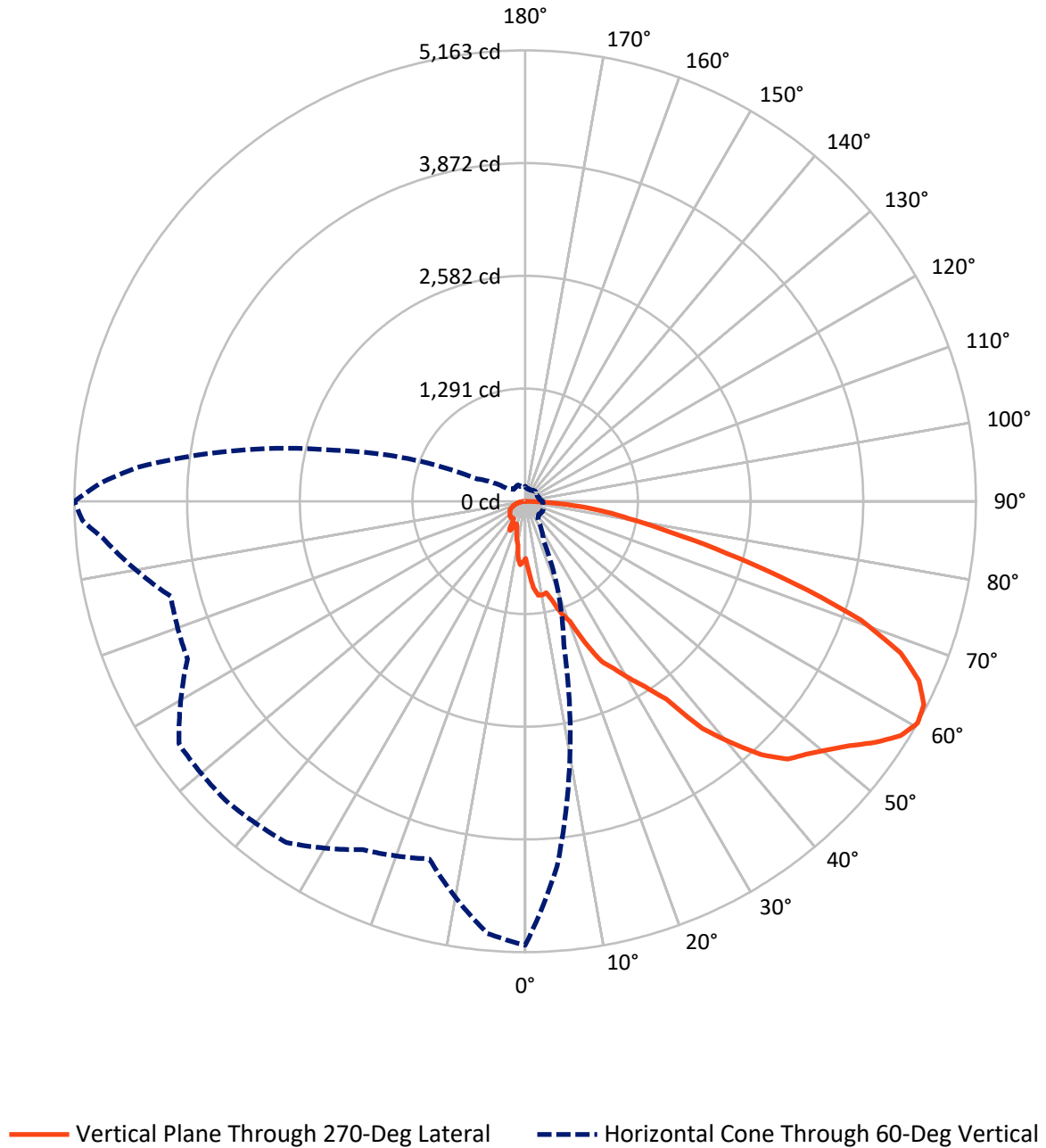
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1201.0	0.0	1201.0
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	5000.0	0.0	5000.0
	% Fixture	80.6	0.0	80.6
Total	Lumens	6201.0	0.0	6201.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.0	1.2
10°-20°	217.9	3.5
20°-30°	384.6	6.2
30°-40°	599.1	9.7
40°-50°	986.3	15.9
50°-60°	1407.7	22.7
60°-70°	1492.7	24.1
70°-80°	824.5	13.3
80°-90°	213.3	3.4
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°	6201.0	100.0
0°-180°	6201.0	100.0

Coefficient of Utilization



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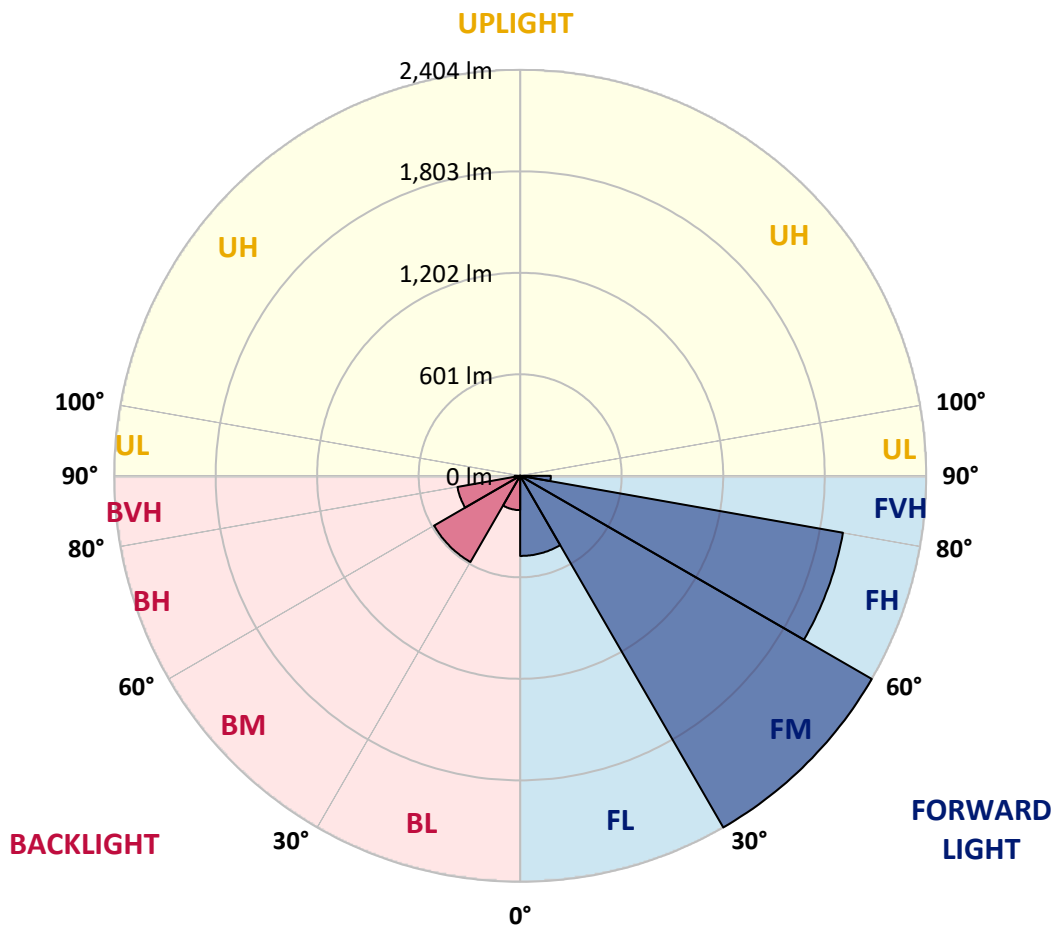
CATALOG NUMBER: MSA-SA2A-730-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	474.5	7.7			
FM (30°-60°)	2403.9	38.8			
FH (60°-80°)	1940.3	31.3			G2/5000
FVH (80°-90°)	181.3	2.9			G2/225
BL (0°-30°)	203.0	3.3	B1/500		
BM (30°-60°)	589.1	9.5	B1/1000		
BH (60°-80°)	376.8	6.1	B1/500		G1/500
BVH (80°-90°)	32.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-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°	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0
2.5°	875.9	881.3	886.4	876.2	865.9	855.4	845.2	829.8	814.2	798.8	783.2
5°	1051.9	1032.1	1011.9	1003.8	996.0	987.8	979.7	972.2	964.7	956.8	949.3
7.5°	1107.0	1078.7	1050.1	1038.1	1026.1	1013.7	1001.7	974.6	947.5	920.1	893.0
10°	1046.5	1017.0	987.2	975.5	963.5	951.7	939.7	906.6	873.8	840.7	807.5
12.5°	1095.3	1065.2	1034.8	997.5	960.1	922.5	885.2	866.8	848.5	829.8	811.5
15°	1142.2	1101.6	1060.7	1023.4	986.0	948.4	911.1	874.4	837.6	800.9	764.2
17.5°	1313.8	1246.1	1178.4	1110.9	1043.2	975.8	908.1	865.6	822.9	780.5	737.7
20°	1523.0	1428.8	1334.3	1231.9	1129.3	1027.0	924.3	870.8	817.5	763.9	710.3
22.5°	1771.9	1653.0	1534.1	1405.0	1275.9	1146.5	1017.3	939.7	862.0	784.1	706.4
25°	1969.7	1855.3	1740.9	1577.2	1413.4	1249.7	1086.0	997.8	909.6	821.1	732.9
27.5°	2161.7	1979.6	1797.2	1609.7	1422.5	1234.9	1047.4	965.9	884.3	802.7	721.2
30°	2323.9	2179.4	2035.0	1790.3	1545.6	1300.6	1055.9	955.6	855.4	755.2	654.9
32.5°	2561.4	2355.2	2148.7	1893.5	1638.3	1383.0	1127.8	999.6	871.4	743.1	614.9
35°	2839.2	2624.9	2410.6	2094.9	1779.4	1463.7	1148.0	1012.2	876.2	740.4	604.4
37.5°	3357.2	2979.5	2601.4	2256.8	1912.2	1567.2	1222.6	1064.9	907.2	749.2	591.4
40°	3642.8	3293.7	2944.6	2515.0	2085.5	1655.7	1226.2	1064.9	903.3	741.9	580.3
42.5°	4023.6	3582.0	3140.2	2675.8	2211.6	1747.2	1282.8	1104.0	925.2	746.1	567.4
45°	4255.6	3763.5	3271.1	2774.8	2278.5	1782.1	1285.8	1104.3	922.8	741.3	559.8
47.5°	4405.2	3932.7	3459.8	2925.6	2391.3	1856.8	1322.5	1129.9	937.0	744.3	551.4
50°	4547.0	4079.0	3610.6	3055.9	2501.5	1946.8	1392.1	1181.7	971.3	760.6	550.2
52.5°	4721.0	4290.0	3858.6	3263.6	2668.2	2073.2	1477.8	1248.8	1019.7	790.7	561.6
55°	4974.1	4549.4	4124.4	3485.7	2846.7	2208.0	1569.0	1314.7	1060.7	806.3	552.0
57.5°	5138.1	4707.4	4276.7	3625.4	2974.0	2322.4	1671.1	1389.4	1107.6	825.6	543.9
60°	5083.7	4639.4	4194.9	3573.9	2953.0	2332.0	1711.1	1406.8	1102.8	798.5	494.2
62.5°	4842.9	4370.6	3898.4	3342.2	2786.2	2230.0	1673.8	1364.4	1055.3	745.8	436.4
65°	4506.4	4018.2	3529.7	3027.9	2526.2	2024.4	1522.7	1241.9	960.7	679.9	398.8
67.5°	4093.4	3584.4	3075.2	2630.9	2186.7	1742.1	1297.9	1063.1	828.6	593.8	359.1
70°	3575.4	3075.2	2574.9	2190.6	1806.2	1421.9	1037.5	860.8	684.4	507.8	331.1
72.5°	2873.8	2442.2	2010.6	1708.1	1405.6	1103.1	800.6	677.8	555.3	432.5	309.7
75°	2044.0	1790.3	1536.5	1301.2	1065.8	830.1	594.7	515.3	435.8	356.4	276.9
77.5°	1452.6	1303.0	1153.4	968.9	784.4	599.9	415.4	368.7	322.4	275.7	229.1
80°	1073.9	949.0	824.1	685.0	546.0	406.9	267.9	245.0	222.4	199.6	176.7
82.5°	707.0	650.7	594.1	484.0	373.8	263.7	153.5	145.1	136.6	128.2	119.8
85°	316.6	334.4	351.9	284.4	216.7	149.3	81.6	77.7	73.7	69.8	65.9
87.5°	30.4	44.8	59.3	50.9	42.1	33.7	25.0	24.7	24.7	24.4	24.1
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



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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°	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0
2.5°	787.4	791.6	795.8	800.0	795.5	791.0	786.2	781.7	775.9	770.2	764.2
5°	936.7	923.7	911.1	898.1	878.9	859.6	840.1	820.8	818.4	815.7	813.3
7.5°	869.2	845.8	822.0	798.2	768.1	738.3	708.2	678.1	669.1	660.1	651.0
10°	791.6	775.3	759.4	743.1	724.5	705.8	686.9	668.2	643.5	618.5	593.8
12.5°	785.0	758.5	731.7	705.2	693.8	682.3	670.9	659.5	637.8	616.1	594.1
15°	742.8	721.2	699.8	678.1	661.6	645.0	628.5	611.9	594.4	576.7	559.2
17.5°	713.0	688.4	663.7	639.0	620.0	601.1	581.8	562.8	541.8	520.4	499.3
20°	682.0	654.0	625.8	597.5	573.4	549.6	525.5	501.4	478.3	455.4	432.2
22.5°	669.4	632.4	595.4	558.3	533.0	507.5	482.2	456.6	435.2	413.9	392.5
25°	688.7	644.7	600.5	556.2	522.2	487.9	453.9	419.6	401.8	384.1	366.0
27.5°	666.1	610.7	555.6	500.2	463.8	427.1	390.7	354.0	351.3	348.5	345.5
30°	596.9	538.8	480.7	422.6	389.2	355.5	322.1	288.3	282.0	275.4	269.1
32.5°	555.6	496.3	437.0	377.7	347.9	317.8	288.0	257.9	250.7	243.5	236.3
35°	540.0	475.6	411.1	346.7	321.2	295.6	270.0	244.4	239.3	234.5	229.4
37.5°	527.3	463.5	399.4	335.3	310.6	285.9	261.0	236.3	232.4	228.4	224.5
40°	515.3	450.6	385.6	320.6	298.6	276.9	254.9	233.0	230.6	228.1	225.4
42.5°	504.5	441.5	378.3	315.4	295.9	276.6	257.0	237.5	235.1	232.7	230.3
45°	498.4	437.0	375.6	314.2	300.1	285.9	271.5	257.3	251.6	245.9	239.9
47.5°	493.9	436.4	378.9	321.5	306.7	292.0	277.2	262.5	257.3	252.2	246.8
50°	494.8	439.7	384.4	329.0	311.2	293.2	275.4	257.3	256.7	256.1	255.5
52.5°	502.9	444.6	385.9	327.2	307.9	288.6	269.1	249.8	253.7	257.3	261.3
55°	491.2	430.4	369.3	308.5	290.2	272.1	253.7	235.4	240.5	245.3	250.4
57.5°	478.0	412.1	346.1	280.2	266.4	252.5	238.4	224.5	230.0	235.7	241.1
60°	434.0	373.8	313.6	253.4	244.1	234.8	225.4	216.1	218.5	220.9	223.3
62.5°	385.9	335.0	284.4	233.6	226.3	218.8	211.6	204.1	204.1	204.4	204.4
65°	355.2	311.5	267.9	224.2	216.1	208.0	199.6	191.4	190.2	189.0	187.8
67.5°	324.5	290.2	255.5	220.9	209.2	197.7	186.0	174.3	172.8	171.6	170.1
70°	300.4	269.7	239.0	208.3	195.0	182.1	168.9	155.6	154.4	153.5	152.3
72.5°	280.8	252.2	223.3	194.4	180.6	166.4	152.6	138.5	137.6	136.6	135.4
75°	251.3	226.0	200.5	174.9	161.3	148.1	134.5	121.0	119.8	118.9	117.7
77.5°	208.0	186.6	165.5	144.2	133.6	123.4	112.9	102.3	101.7	101.1	100.2
80°	160.1	143.6	126.7	110.2	103.2	96.0	89.1	81.9	81.6	81.3	80.7
82.5°	109.9	99.9	90.0	80.1	74.9	69.5	64.4	59.0	59.3	59.6	59.9
85°	62.6	59.0	55.7	52.1	47.9	43.9	39.7	35.5	36.4	37.3	37.9
87.5°	22.9	21.7	20.5	19.3	17.2	15.4	13.2	11.1	11.7	12.6	13.2
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):

	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: P367162
 CATALOG NUMBER: MSA-SA2A-730-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0
2.5°	758.5	749.5	740.4	731.4	722.4	703.7	685.3	666.7	648.0	659.5	671.2
5°	810.6	795.2	779.6	764.2	748.6	739.8	731.1	722.4	713.6	718.2	723.0
7.5°	642.0	633.0	623.6	614.6	605.3	601.4	597.8	593.8	589.9	601.1	612.2
10°	568.9	556.2	543.6	530.6	518.0	510.5	502.9	495.4	487.9	490.9	493.9
12.5°	572.5	553.8	535.2	516.5	497.8	486.7	475.6	464.4	453.3	456.0	458.7
15°	541.5	522.2	502.9	483.7	464.4	451.5	438.2	425.3	412.1	407.5	402.7
17.5°	478.0	456.9	435.8	414.8	393.7	385.0	376.2	367.5	358.8	354.0	349.1
20°	409.0	389.5	369.9	350.3	330.8	324.8	318.7	312.4	306.4	303.4	300.1
22.5°	371.1	359.1	346.7	334.7	322.4	315.4	308.8	301.9	295.0	291.7	288.0
25°	348.2	350.6	353.4	355.8	358.2	355.2	351.9	348.8	345.5	346.7	347.6
27.5°	342.8	347.9	353.4	358.5	363.6	366.3	369.0	371.7	374.4	375.3	376.2
30°	262.5	265.2	267.6	270.3	272.7	280.2	287.7	295.0	302.5	314.2	326.3
32.5°	229.1	228.1	227.2	226.0	225.1	226.9	228.7	230.3	232.1	236.3	240.8
35°	224.2	222.1	219.7	217.6	215.2	216.1	217.0	217.9	218.8	222.1	225.4
37.5°	220.6	219.7	219.1	218.2	217.3	219.4	221.2	223.3	225.1	227.8	230.6
40°	223.0	222.7	222.4	221.8	221.5	222.7	223.9	225.1	226.3	230.0	233.6
42.5°	227.8	227.8	227.5	227.5	227.2	228.4	229.4	230.6	231.5	233.6	235.7
45°	234.2	233.6	233.3	232.7	232.1	231.8	231.8	231.5	231.2	232.4	233.9
47.5°	241.7	239.6	237.2	235.1	232.7	232.1	231.2	230.6	229.7	230.3	230.9
50°	254.9	249.2	243.8	238.1	232.4	230.9	229.4	227.8	226.3	226.0	226.0
52.5°	264.9	256.4	248.0	239.6	231.2	228.4	225.7	223.0	220.3	219.7	219.4
55°	255.2	248.9	242.9	236.6	230.3	226.3	222.1	218.2	214.0	213.1	212.2
57.5°	246.5	242.6	238.7	234.8	230.9	226.9	222.7	218.8	214.6	212.5	210.4
60°	225.7	225.7	226.0	226.0	226.0	221.8	217.6	213.4	209.2	207.1	205.3
62.5°	204.4	207.7	210.7	214.0	217.0	211.3	205.3	199.6	193.5	192.0	190.8
65°	186.6	187.5	188.7	189.6	190.5	186.0	181.5	177.0	172.5	171.6	170.4
67.5°	168.6	168.3	168.0	167.3	167.0	164.3	161.3	158.6	155.6	154.4	153.2
70°	151.1	150.8	150.5	149.9	149.6	147.2	144.8	142.4	140.0	139.1	138.2
72.5°	134.5	134.2	133.6	133.3	132.7	130.6	128.8	126.7	124.6	123.4	122.2
75°	116.5	115.9	115.3	114.7	114.1	112.3	110.5	108.4	106.5	105.3	104.1
77.5°	99.6	98.7	97.8	96.6	95.7	94.2	92.4	90.9	89.1	87.6	86.4
80°	80.4	79.8	79.2	78.3	77.7	76.1	74.6	72.8	71.3	69.5	68.0
82.5°	60.2	59.9	59.3	59.0	58.4	56.9	55.4	53.9	52.4	50.6	48.8
85°	38.8	38.5	38.2	37.9	37.6	36.4	35.5	34.3	33.1	31.3	29.8
87.5°	13.8	13.2	12.9	12.3	11.7	11.4	10.8	10.5	9.9	9.0	8.1
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: P367162
 CATALOG NUMBER: MSA-SA2A-730-U-SLR

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: P367162

CATALOG NUMBER: MSA-SA2A-730-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0
2.5°	682.6	694.1	694.4	694.4	699.8	704.9	694.4	683.8	673.0	662.5	651.9
5°	727.5	732.0	730.8	729.3	722.7	716.0	709.1	702.2	695.3	688.4	688.7
7.5°	623.3	634.5	643.5	652.2	643.8	635.4	630.9	626.4	621.8	617.3	616.7
10°	496.6	499.6	503.2	506.6	501.4	496.0	505.1	514.1	522.8	531.8	521.9
12.5°	461.4	464.1	457.8	451.2	449.1	447.0	444.9	442.5	440.3	437.9	436.7
15°	398.2	393.4	388.6	383.5	382.3	380.7	379.2	377.4	375.9	374.1	368.7
17.5°	344.3	339.5	331.4	323.0	319.6	316.0	315.1	314.2	313.0	312.1	307.0
20°	297.1	293.8	291.7	289.2	285.9	282.6	279.3	276.0	272.4	269.1	264.3
22.5°	284.7	281.1	278.4	275.4	274.8	274.2	268.2	261.9	255.8	249.5	246.8
25°	348.8	349.7	333.2	316.3	314.8	313.3	302.5	291.4	280.5	269.4	260.1
27.5°	376.8	377.7	377.1	376.5	371.7	366.6	348.2	329.6	311.2	292.6	279.3
30°	338.0	349.7	354.3	358.8	355.5	351.9	332.6	313.6	294.4	275.1	266.4
32.5°	245.0	249.2	256.7	264.0	267.9	271.5	265.5	259.5	253.4	247.4	245.9
35°	228.4	231.8	233.3	234.8	232.4	230.0	225.4	220.9	216.1	211.6	210.7
37.5°	233.0	235.7	238.7	241.7	235.1	228.1	223.0	218.2	213.1	208.0	203.8
40°	237.2	240.8	242.6	244.4	237.8	231.2	224.8	218.8	212.5	206.2	202.0
42.5°	237.8	239.9	243.2	246.5	237.2	227.5	221.8	215.8	210.1	204.1	199.9
45°	235.1	236.3	239.3	242.3	231.5	220.3	215.2	209.8	204.7	199.3	195.6
47.5°	231.2	231.8	234.2	236.3	224.8	213.1	208.3	203.5	198.4	193.5	189.9
50°	225.7	225.4	227.2	228.7	217.0	205.3	200.5	195.9	191.1	186.3	183.3
52.5°	218.8	218.2	220.0	221.5	209.2	196.8	192.6	188.7	184.5	180.3	177.9
55°	211.0	210.1	211.6	213.1	201.1	188.7	185.1	181.2	177.6	173.7	171.6
57.5°	208.0	205.9	206.8	207.7	194.1	180.6	177.0	173.4	169.8	166.1	164.6
60°	203.2	201.1	202.0	202.6	188.1	173.4	170.1	166.4	163.1	159.5	158.0
62.5°	189.3	187.8	189.0	190.2	177.3	164.0	161.0	158.3	155.3	152.3	150.2
65°	169.5	168.3	170.7	173.1	161.9	150.8	149.0	147.2	145.1	143.3	141.2
67.5°	152.0	150.8	153.2	155.6	147.5	139.4	137.6	135.7	133.9	132.1	130.9
70°	137.2	136.3	138.5	140.6	133.6	126.7	124.9	123.4	121.6	119.8	118.9
72.5°	120.7	119.5	122.2	124.6	118.9	112.9	111.4	109.6	108.1	106.2	105.6
75°	102.9	101.7	104.1	106.2	102.3	98.1	96.6	95.1	93.6	92.1	91.8
77.5°	84.9	83.4	85.8	87.9	85.5	82.8	81.6	80.1	78.9	77.4	77.4
80°	66.2	64.4	66.2	67.7	66.8	65.9	65.0	63.8	62.9	61.7	62.0
82.5°	47.0	45.1	46.1	47.0	47.6	48.2	48.2	48.2	48.2	48.2	48.2
85°	28.0	26.2	26.5	26.8	27.7	28.6	28.9	29.2	29.5	29.8	30.1
87.5°	7.2	6.3	5.7	4.8	5.7	6.3	6.9	7.2	7.8	8.1	8.1
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: P367162
 CATALOG NUMBER: MSA-SA2A-730-U-SLR

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: P367162
 CATALOG NUMBER: MSA-SA2A-730-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0
2.5°	641.4	630.6	620.0	626.7	633.0	639.6	645.9	646.2	646.2	646.5	646.5
5°	689.3	689.6	689.9	683.5	677.5	671.2	664.9	661.6	658.3	654.6	651.3
7.5°	615.8	615.2	614.3	608.3	602.3	596.3	590.2	575.8	561.0	546.6	531.8
10°	511.7	501.7	491.5	489.1	487.0	484.6	482.2	478.3	474.7	470.7	466.8
12.5°	435.5	434.3	433.1	426.8	420.5	413.9	407.5	407.5	407.5	407.5	407.5
15°	363.0	357.6	351.9	348.8	345.5	342.5	339.2	337.7	336.2	334.7	333.2
17.5°	301.6	296.5	291.1	290.5	289.9	289.2	288.6	287.1	285.6	284.1	282.6
20°	259.5	254.6	249.8	251.6	253.4	254.9	256.7	255.2	253.7	251.9	250.4
22.5°	243.8	241.1	238.1	236.6	235.1	233.3	231.8	231.8	232.1	232.1	232.1
25°	251.0	241.7	232.4	227.8	223.3	218.5	214.0	212.2	210.7	208.9	207.1
27.5°	266.1	252.5	239.3	231.5	223.6	215.8	208.0	204.7	201.1	197.7	194.1
30°	257.3	248.6	239.6	230.6	221.5	212.5	203.5	199.3	195.0	190.5	186.3
32.5°	244.4	242.6	241.1	232.7	224.2	215.5	207.1	205.3	203.8	202.0	200.2
35°	209.5	208.6	207.4	205.3	203.2	201.1	199.0	196.5	194.1	191.7	189.3
37.5°	199.9	195.6	191.4	190.5	189.6	188.7	187.8	186.9	186.0	184.8	183.9
40°	197.7	193.5	189.3	187.8	186.3	184.5	183.0	183.3	183.9	184.2	184.5
42.5°	195.3	191.1	186.6	185.4	184.2	183.0	181.8	182.1	182.7	183.0	183.3
45°	192.3	188.7	185.1	183.0	181.2	179.1	177.0	178.8	180.6	182.1	183.9
47.5°	186.3	182.4	178.8	177.6	176.4	174.9	173.7	175.5	177.3	178.8	180.6
50°	180.0	177.0	173.7	173.4	173.1	172.5	172.2	173.4	174.6	175.8	177.0
52.5°	175.2	172.8	170.1	170.1	169.8	169.8	169.5	170.7	171.9	172.8	174.0
55°	169.8	167.6	165.5	165.8	166.4	166.7	167.0	168.3	169.8	171.0	172.2
57.5°	162.8	161.3	159.5	160.7	161.6	162.8	163.7	164.6	165.8	166.7	167.6
60°	156.2	154.7	152.9	154.1	155.6	156.8	158.0	158.9	159.8	160.7	161.6
62.5°	148.1	145.7	143.6	145.4	146.9	148.7	150.2	150.8	151.7	152.3	152.9
65°	139.4	137.2	135.1	136.3	137.6	138.5	139.7	140.6	141.5	142.4	143.3
67.5°	129.4	128.2	126.7	127.6	128.5	129.4	130.3	130.6	130.6	130.9	130.9
70°	117.7	116.8	115.6	116.2	117.1	117.7	118.3	118.3	118.3	118.0	118.0
72.5°	105.3	104.7	104.1	104.4	105.0	105.3	105.6	105.3	105.0	104.7	104.4
75°	91.5	91.2	90.9	91.2	91.8	92.1	92.4	92.1	91.5	91.2	90.6
77.5°	77.7	77.7	77.7	77.7	78.0	78.0	78.0	77.4	76.8	76.1	75.5
80°	62.3	62.6	62.9	62.9	62.9	62.9	62.9	62.3	61.7	60.8	60.2
82.5°	48.2	48.2	48.2	48.2	48.5	48.5	48.5	47.0	45.7	44.2	42.7
85°	30.1	30.4	30.4	30.7	31.0	31.0	31.3	29.2	27.4	25.3	23.2
87.5°	8.1	8.1	8.1	8.1	8.1	7.8	7.8	6.0	3.9	2.1	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



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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: P367162
 CATALOG NUMBER: MSA-SA2A-730-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0
2.5°	648.3	650.1	651.6	653.4	653.7	654.0	654.0	654.3	648.0	641.7	635.1
5°	655.8	660.1	664.6	668.8	667.9	667.0	666.1	665.2	663.4	661.9	660.1
7.5°	528.5	525.5	522.2	518.9	521.6	524.3	527.0	529.7	530.9	532.1	533.0
10°	459.3	451.8	444.3	436.7	432.5	428.0	423.8	419.3	418.7	418.4	417.8
12.5°	399.7	391.6	383.8	375.6	373.2	370.5	368.1	365.4	367.8	370.2	372.3
15°	329.9	326.9	323.6	320.2	323.0	325.7	328.4	331.1	333.5	335.6	338.0
17.5°	281.1	279.9	278.4	276.9	279.3	282.0	284.4	286.8	292.3	297.7	303.1
20°	249.2	248.3	247.1	245.9	245.0	243.8	242.9	241.7	249.5	257.0	264.9
22.5°	230.3	228.4	226.6	224.8	225.1	225.4	225.4	225.7	232.1	238.7	245.0
25°	206.5	205.9	205.3	204.7	206.5	208.3	209.8	211.6	217.3	223.0	228.4
27.5°	194.4	194.7	195.0	195.3	197.7	200.5	202.9	205.3	209.2	213.1	217.0
30°	187.8	189.6	191.1	192.6	193.5	194.4	195.3	196.2	200.2	203.8	207.7
32.5°	197.7	195.3	192.6	190.2	191.4	192.9	194.1	195.3	199.0	202.6	206.2
35°	188.4	187.2	186.3	185.1	186.6	188.1	189.3	190.8	194.1	197.1	200.5
37.5°	183.6	183.3	183.0	182.7	183.6	184.5	185.1	186.0	189.0	192.0	194.7
40°	183.3	181.8	180.6	179.1	180.0	180.9	181.5	182.4	186.0	189.6	193.2
42.5°	181.5	179.7	177.6	175.8	176.7	177.9	178.8	179.7	183.6	187.2	191.1
45°	181.2	178.5	175.5	172.8	174.0	175.2	176.4	177.6	180.6	183.6	186.3
47.5°	177.9	175.2	172.5	169.8	170.4	171.0	171.3	171.9	174.6	177.0	179.7
50°	175.2	173.1	171.3	169.2	168.3	167.6	166.7	165.8	168.0	170.1	172.2
52.5°	171.9	169.8	167.3	165.2	164.0	162.8	161.6	160.4	162.2	163.7	165.5
55°	169.8	167.0	164.6	161.9	160.4	158.9	157.4	155.9	157.1	158.0	159.2
57.5°	165.2	162.8	160.1	157.7	155.9	154.1	152.0	150.2	150.8	151.4	152.0
60°	159.2	156.5	154.1	151.4	149.3	147.2	144.8	142.7	143.0	143.6	143.9
62.5°	150.5	148.1	145.4	143.0	140.6	138.5	136.0	133.6	134.2	134.5	135.1
65°	140.9	138.2	135.7	133.0	130.9	128.8	126.4	124.3	124.9	125.5	125.8
67.5°	129.1	127.0	125.2	123.1	121.3	119.2	117.4	115.3	115.6	115.9	116.2
70°	116.5	114.7	113.2	111.4	109.9	108.4	106.9	105.3	105.3	105.6	105.6
72.5°	102.9	101.4	99.9	98.4	96.9	95.7	94.2	92.7	93.3	93.9	94.2
75°	89.1	87.9	86.4	84.9	83.7	82.5	81.0	79.8	80.4	81.0	81.3
77.5°	74.6	73.7	72.5	71.6	70.4	69.2	67.7	66.5	67.1	67.7	68.0
80°	59.6	59.0	58.1	57.5	56.3	55.1	53.9	52.7	53.0	53.0	53.3
82.5°	43.0	43.3	43.3	43.6	42.7	41.5	40.6	39.4	39.4	39.4	39.1
85°	24.1	25.3	26.2	27.1	26.2	25.3	24.4	23.5	23.2	23.2	22.9
87.5°	0.9	1.5	2.4	3.0	2.7	2.4	1.8	1.5	1.8	2.1	2.1
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: P367162
 CATALOG NUMBER: MSA-SA2A-730-U-SLR

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: P367162

CATALOG NUMBER: MSA-SA2A-730-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0
2.5°	628.8	633.9	639.0	644.1	649.2	657.1	664.9	673.0	681.1	676.6	671.8
5°	658.3	661.3	664.6	667.6	670.6	679.3	687.8	698.3	708.5	707.3	705.8
7.5°	534.3	538.5	542.7	546.6	550.8	564.0	577.3	588.4	599.6	598.1	596.3
10°	417.2	425.9	434.9	443.7	452.4	463.2	473.8	483.1	492.4	508.1	523.4
12.5°	374.7	388.3	401.8	415.4	428.9	436.7	444.3	456.3	468.3	476.8	485.5
15°	340.1	352.8	365.4	378.0	390.7	391.3	391.9	404.5	417.2	424.4	431.3
17.5°	308.5	315.4	322.4	329.0	335.9	333.5	331.1	337.1	342.8	345.8	349.1
20°	272.4	277.2	282.0	286.8	291.7	295.0	298.0	301.6	304.9	301.9	298.6
22.5°	251.3	258.5	266.1	273.3	280.5	282.6	284.4	282.3	280.2	279.3	278.4
25°	234.2	242.9	251.9	260.7	269.4	273.6	277.8	279.6	281.1	277.8	274.5
27.5°	220.9	231.5	241.7	252.2	262.5	270.0	277.5	279.6	281.4	279.0	276.3
30°	211.3	222.7	234.2	245.6	257.0	268.5	279.6	289.5	299.2	298.3	297.4
32.5°	209.8	217.6	225.4	233.3	241.1	248.3	255.2	255.8	256.1	253.7	251.0
35°	203.5	208.6	213.7	218.8	223.9	228.4	232.7	232.1	231.5	229.1	226.6
37.5°	197.7	202.9	208.3	213.4	218.5	226.3	233.9	232.4	230.6	228.1	225.7
40°	196.8	202.6	208.3	213.7	219.4	226.6	233.9	232.4	230.9	227.8	224.8
42.5°	194.7	200.5	205.9	211.6	217.0	225.7	234.2	231.5	228.4	226.0	223.6
45°	189.3	194.4	199.6	204.7	209.8	219.1	228.4	225.1	221.8	220.9	219.7
47.5°	182.1	187.2	192.3	197.4	202.6	211.9	220.9	218.2	215.2	214.9	214.3
50°	174.3	179.1	184.2	189.0	193.8	203.2	212.2	209.8	207.4	207.7	207.7
52.5°	167.0	171.6	175.8	180.3	184.5	193.8	202.9	201.1	199.0	199.6	199.9
55°	160.1	163.7	167.3	171.0	174.6	183.6	192.6	189.9	187.2	188.1	189.0
57.5°	152.6	155.6	158.6	161.3	164.3	173.4	182.1	179.1	175.8	177.3	178.5
60°	144.2	146.9	149.6	152.0	154.7	162.8	170.7	168.0	164.9	167.0	168.9
62.5°	135.4	137.6	139.7	141.8	143.9	151.4	158.9	156.8	154.7	157.1	159.2
65°	126.4	127.9	129.7	131.2	132.7	140.0	146.9	145.4	143.9	146.0	148.1
67.5°	116.5	117.7	119.2	120.4	121.6	128.2	134.8	133.3	131.5	133.3	134.8
70°	105.6	106.9	107.8	109.0	109.9	115.9	121.9	119.8	117.4	119.2	120.7
72.5°	94.8	95.4	96.3	96.9	97.5	102.0	106.5	104.7	102.9	104.7	106.2
75°	81.9	82.5	83.1	83.7	84.3	88.2	91.8	89.7	87.3	89.1	90.9
77.5°	68.6	68.9	69.5	69.8	70.1	72.8	75.2	73.1	70.7	72.8	74.9
80°	53.3	53.6	53.9	53.9	54.2	55.1	56.0	54.5	52.7	55.4	58.1
82.5°	39.1	38.8	38.8	38.5	38.2	38.2	37.9	37.0	35.8	38.2	40.6
85°	22.6	22.3	21.7	21.4	20.8	19.9	19.0	18.7	18.4	20.5	22.6
87.5°	2.4	2.1	1.5	1.2	0.6	0.3	0.0	0.0	0.0	1.2	2.7
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: P367162
 CATALOG NUMBER: MSA-SA2A-730-U-SLR

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: P367162
 CATALOG NUMBER: MSA-SA2A-730-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0
2.5°	667.3	662.5	658.0	653.4	648.9	644.4	652.8	661.3	669.7	678.1	685.6
5°	704.6	703.1	699.2	695.6	691.7	687.8	689.9	692.3	694.4	696.5	701.0
7.5°	594.7	592.9	601.4	609.5	617.9	626.1	628.2	630.0	632.1	633.9	632.7
10°	539.1	554.4	558.3	561.9	565.9	569.5	575.5	581.5	587.2	593.2	596.6
12.5°	493.9	502.3	516.2	530.3	544.2	558.0	567.1	576.1	585.1	594.1	612.8
15°	438.5	445.5	456.0	466.5	477.1	487.6	500.5	513.8	526.7	539.7	560.1
17.5°	352.2	355.2	363.0	370.8	378.3	386.2	403.6	420.8	438.2	455.4	478.9
20°	295.6	292.3	292.3	292.6	292.6	292.6	310.0	327.2	344.6	361.8	392.8
22.5°	277.2	276.3	273.0	269.4	266.1	262.5	271.5	280.8	289.9	298.9	324.2
25°	270.9	267.6	263.4	259.1	254.9	250.7	256.4	262.2	267.9	273.6	293.5
27.5°	273.9	271.2	273.3	275.1	277.2	279.0	280.8	282.6	284.4	286.2	293.2
30°	296.5	295.6	298.9	301.9	305.2	308.2	304.0	300.1	295.9	291.7	294.1
32.5°	248.6	245.9	244.7	243.5	242.3	241.1	240.8	240.5	239.9	239.6	245.0
35°	224.2	221.8	220.0	218.2	216.1	214.3	215.2	215.8	216.7	217.3	223.3
37.5°	223.3	220.9	218.8	216.7	214.3	212.2	213.1	214.3	215.2	216.1	220.6
40°	221.8	218.8	217.6	216.4	215.2	214.0	214.6	215.2	215.5	216.1	219.4
42.5°	220.9	218.5	217.9	217.3	216.7	216.1	216.7	217.3	217.6	218.2	222.1
45°	218.8	217.6	218.2	218.8	219.4	220.0	220.0	220.0	220.0	220.0	224.2
47.5°	214.0	213.4	215.2	217.0	218.8	220.6	223.6	226.6	229.4	232.4	233.3
50°	208.0	208.0	211.0	214.0	216.7	219.7	226.9	233.9	241.1	248.0	243.5
52.5°	200.5	200.8	205.3	209.5	214.0	218.2	224.8	231.5	237.8	244.4	237.8
55°	189.6	190.5	196.2	201.7	207.4	212.8	217.9	223.0	228.1	233.3	226.3
57.5°	180.0	181.2	187.2	192.9	199.0	204.7	207.7	211.0	214.0	217.0	212.5
60°	171.0	172.8	180.6	188.4	195.9	203.8	201.4	199.0	196.2	193.8	193.5
62.5°	161.6	163.7	171.0	178.2	185.1	192.3	188.7	185.1	181.2	177.6	179.1
65°	149.9	152.0	155.3	158.6	161.6	164.9	164.6	164.6	164.3	164.0	167.0
67.5°	136.6	138.2	140.3	142.1	144.2	146.0	147.2	148.7	149.9	151.1	154.7
70°	122.5	124.0	126.1	127.9	130.0	131.8	133.3	134.8	136.0	137.6	141.2
72.5°	108.1	109.6	111.7	113.8	115.6	117.7	118.9	120.1	121.0	122.2	125.2
75°	92.7	94.5	96.6	98.4	100.5	102.3	103.2	104.1	105.0	105.9	108.7
77.5°	77.1	79.2	81.3	83.4	85.5	87.6	87.9	88.2	88.5	88.8	91.2
80°	60.5	63.2	65.3	67.4	69.5	71.6	71.6	71.6	71.6	71.6	72.8
82.5°	43.0	45.4	47.9	50.0	52.4	54.5	54.5	54.2	54.2	53.9	53.9
85°	24.7	26.8	28.3	30.1	31.6	33.1	33.1	33.1	32.8	32.8	32.2
87.5°	3.9	5.1	5.7	6.6	7.2	7.8	7.5	7.5	7.2	6.9	6.0
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: P367162
 CATALOG NUMBER: MSA-SA2A-730-U-SLR

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: P367162
 CATALOG NUMBER: MSA-SA2A-730-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0
2.5°	693.2	700.7	708.2	707.0	705.8	704.6	703.4	707.9	712.1	716.6	720.9
5°	705.2	709.7	713.9	717.3	720.6	723.9	727.2	742.5	757.6	772.9	788.0
7.5°	631.5	630.0	628.8	642.9	657.4	671.5	685.6	705.2	724.8	744.3	763.9
10°	599.9	603.2	606.5	612.2	618.2	623.9	629.7	648.9	668.2	687.5	706.7
12.5°	631.2	649.8	668.2	672.7	677.5	682.0	686.6	690.5	694.4	698.0	701.9
15°	580.6	601.1	621.5	633.3	645.0	656.5	668.2	697.7	726.9	756.4	785.6
17.5°	502.0	525.5	548.7	577.6	606.5	635.4	664.3	691.4	718.5	745.2	772.3
20°	423.8	454.5	485.5	517.1	548.4	580.0	611.3	637.8	664.3	690.5	717.0
22.5°	349.1	374.4	399.4	437.9	476.2	514.7	552.9	602.3	651.3	700.7	749.8
25°	313.0	332.9	352.5	392.2	431.9	471.3	511.1	575.2	639.0	703.1	766.9
27.5°	300.4	307.3	314.2	350.3	386.2	422.3	458.1	527.3	596.6	665.5	734.7
30°	296.5	298.9	301.3	329.6	357.9	386.2	414.5	482.8	551.4	619.7	688.1
32.5°	250.1	255.5	260.7	288.3	315.7	343.4	370.8	439.7	508.4	577.3	645.9
35°	229.4	235.4	241.4	268.5	295.6	322.4	349.4	422.0	494.8	567.4	639.9
37.5°	225.1	229.7	234.2	264.9	295.6	326.3	357.0	430.4	503.9	577.3	650.7
40°	223.0	226.3	229.7	259.5	289.5	319.3	349.1	426.2	502.9	580.0	656.8
42.5°	225.7	229.7	233.3	260.4	287.1	314.2	341.0	420.8	500.2	580.0	659.5
45°	228.1	232.4	236.3	261.6	286.8	312.1	337.4	422.6	507.5	592.6	677.5
47.5°	233.9	234.8	235.4	257.3	279.0	301.0	322.7	409.3	496.0	582.4	669.1
50°	238.7	234.2	229.4	252.2	274.8	297.7	320.2	402.4	484.6	566.5	648.6
52.5°	231.2	224.2	217.6	242.3	267.0	291.4	316.0	398.2	480.7	562.8	645.0
55°	219.7	212.8	205.9	230.9	255.8	280.8	305.8	387.7	469.8	551.7	633.6
57.5°	208.3	203.8	199.3	219.7	240.5	261.0	281.4	370.2	458.7	547.5	636.0
60°	193.2	192.6	192.3	208.3	224.5	240.5	256.4	343.4	430.1	517.1	603.8
62.5°	180.3	181.8	183.0	195.9	208.9	221.5	234.5	318.4	402.7	486.7	570.7
65°	170.4	173.4	176.4	191.1	205.9	220.3	235.1	305.5	375.9	446.4	516.8
67.5°	158.3	161.9	165.5	184.8	204.1	223.3	242.6	300.7	358.8	416.9	475.0
70°	144.5	148.1	151.4	176.1	200.5	225.1	249.5	301.0	352.8	404.2	455.7
72.5°	128.2	131.2	134.2	160.7	187.2	213.7	240.2	283.8	327.5	370.8	414.5
75°	111.7	114.4	117.1	140.0	162.8	185.7	208.6	242.3	275.7	309.4	342.8
77.5°	93.3	95.7	97.8	113.2	128.5	143.9	159.2	185.1	210.7	236.6	262.2
80°	74.0	75.2	76.5	85.5	94.2	103.2	112.0	129.1	146.3	163.1	180.3
82.5°	54.2	54.2	54.2	59.9	65.9	71.6	77.4	86.1	94.5	103.2	111.7
85°	31.6	30.7	30.1	34.0	37.9	41.8	45.7	49.4	53.0	56.6	60.2
87.5°	5.1	3.9	3.0	5.4	7.8	10.2	12.6	13.8	15.4	16.6	17.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0
2.5°	710.6	700.7	690.5	680.2	695.3	710.3	725.4	740.4	780.5	804.2	805.7
5°	800.6	813.3	825.9	838.5	851.2	863.8	876.2	888.8	953.8	993.9	1001.4
7.5°	784.7	805.7	826.5	847.3	883.1	918.9	954.7	990.5	1045.6	1085.4	1111.5
10°	732.6	758.5	784.4	810.3	852.7	895.4	937.9	980.3	1038.7	1091.1	1116.1
12.5°	743.1	784.4	825.3	866.5	903.3	940.3	977.0	1013.7	1054.1	1073.9	1119.4
15°	814.2	842.8	871.4	899.9	955.3	1010.4	1065.8	1120.9	1143.7	1189.2	1230.1
17.5°	825.0	877.4	930.0	982.4	1050.1	1117.9	1185.6	1253.3	1295.7	1354.4	1403.8
20°	791.3	865.3	939.7	1013.7	1101.0	1188.6	1275.9	1363.2	1417.0	1466.4	1542.9
22.5°	831.6	913.5	995.1	1076.9	1192.8	1308.4	1424.3	1539.8	1652.4	1762.6	1814.3
25°	876.2	985.7	1095.0	1204.2	1349.0	1493.5	1638.3	1782.7	1927.5	2030.8	2090.4
27.5°	844.9	954.7	1064.9	1174.8	1353.8	1533.2	1712.3	1891.4	2046.4	2170.7	2221.9
30°	822.9	957.7	1092.6	1227.4	1437.5	1647.6	1857.7	2067.8	2211.0	2349.8	2425.0
32.5°	819.0	992.1	1164.8	1337.9	1582.6	1827.0	2071.7	2316.1	2411.2	2534.3	2635.7
35°	829.8	1020.0	1210.0	1399.9	1680.4	1960.9	2241.1	2521.7	2656.8	2778.7	2867.5
37.5°	862.9	1075.1	1287.0	1499.2	1837.2	2175.5	2513.5	2851.5	3078.2	3301.2	3341.0
40°	881.6	1106.7	1331.6	1556.4	1949.5	2342.6	2735.7	3128.8	3389.4	3634.1	3650.7
42.5°	903.6	1147.7	1391.5	1635.6	2071.4	2507.5	2943.3	3379.2	3701.8	3964.9	3972.7
45°	928.8	1179.9	1431.2	1682.2	2137.3	2592.1	3047.2	3502.0	3892.1	4211.7	4133.7
47.5°	938.8	1208.8	1478.4	1748.1	2233.3	2718.2	3203.4	3688.3	4038.3	4329.1	4254.4
50°	942.7	1237.1	1531.1	1825.2	2327.8	2830.8	3333.4	3836.1	4192.1	4475.7	4361.3
52.5°	967.1	1289.1	1611.2	1933.2	2457.0	2980.7	3504.4	4028.1	4378.5	4650.8	4508.8
55°	999.9	1366.2	1732.2	2098.5	2640.6	3182.3	3724.4	4266.2	4617.7	4871.2	4695.1
57.5°	1030.3	1424.9	1819.2	2213.5	2775.1	3337.0	3898.7	4460.3	4816.4	5067.1	4896.4
60°	1015.5	1427.3	1839.0	2250.8	2802.8	3354.5	3906.5	4458.2	4862.4	5163.1	5075.8
62.5°	971.0	1371.3	1771.3	2171.6	2695.6	3219.4	3743.4	4267.1	4740.2	5125.8	5121.9
65°	885.2	1253.6	1621.7	1990.1	2475.0	2960.2	3445.1	3930.0	4487.7	4956.0	4986.4
67.5°	780.8	1086.6	1392.4	1698.2	2154.8	2611.4	3068.0	3524.6	4120.8	4637.6	4663.8
70°	679.6	903.9	1127.8	1351.7	1752.6	2153.6	2554.2	2955.1	3557.4	4080.2	4104.3
72.5°	561.0	707.6	853.9	1000.5	1325.2	1650.0	1974.5	2299.2	2828.1	3230.2	3365.9
75°	429.8	516.8	603.8	690.8	953.5	1216.3	1478.7	1741.5	2093.1	2389.8	2542.7
77.5°	307.3	352.5	397.6	442.8	666.1	889.4	1112.4	1335.8	1520.6	1688.8	1792.1
80°	201.7	222.7	244.1	265.2	450.9	636.6	822.0	1007.7	1120.3	1210.6	1262.6
82.5°	122.2	132.7	143.0	153.5	304.0	454.5	604.7	755.2	819.6	862.6	909.0
85°	65.9	71.6	77.4	83.1	179.7	276.0	372.6	468.9	475.3	480.4	549.3
87.5°	19.3	21.1	22.6	24.1	39.7	55.7	71.3	87.0	54.2	33.7	69.2
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: P367162
 CATALOG NUMBER: MSA-SA2A-730-U-SLR

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: P367162

CATALOG NUMBER: MSA-SA2A-730-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0
2.5°	797.0	793.1	789.2	785.0	781.1	764.5	748.3	731.7	715.1	731.1	746.7
5°	992.7	1004.7	1016.4	1028.5	1040.5	1041.4	1042.0	1042.9	1043.5	1046.5	1049.5
7.5°	1133.5	1154.9	1176.0	1197.3	1218.7	1235.2	1251.8	1268.7	1285.2	1270.2	1255.1
10°	1145.6	1190.7	1235.9	1281.0	1326.1	1334.3	1342.1	1350.2	1358.4	1369.2	1379.7
12.5°	1157.6	1212.7	1267.5	1322.5	1377.6	1401.7	1425.5	1449.6	1473.3	1485.1	1496.5
15°	1284.9	1317.4	1349.6	1382.1	1414.3	1430.9	1447.1	1463.7	1480.3	1490.2	1499.8
17.5°	1448.6	1460.7	1472.4	1484.5	1496.5	1507.6	1518.8	1529.9	1541.1	1542.9	1544.7
20°	1597.9	1600.3	1602.5	1604.9	1607.0	1583.5	1560.3	1536.8	1513.4	1517.6	1521.5
22.5°	1821.9	1808.6	1795.7	1782.4	1769.5	1725.3	1681.3	1637.1	1593.1	1574.2	1555.5
25°	2159.0	2125.3	2091.6	2057.8	2024.1	1953.7	1883.6	1813.1	1743.0	1701.8	1660.8
27.5°	2267.6	2194.2	2121.1	2047.6	1974.2	1920.9	1867.9	1814.6	1761.7	1696.4	1631.0
30°	2487.4	2371.5	2255.9	2140.0	2024.1	1972.7	1921.2	1869.4	1818.0	1751.1	1684.6
32.5°	2682.1	2561.7	2441.3	2320.6	2200.2	2102.7	2005.2	1907.7	1810.1	1765.0	1719.8
35°	2907.5	2756.1	2604.7	2453.3	2301.9	2218.3	2134.9	2051.2	1967.9	1899.5	1831.5
37.5°	3235.9	3074.9	2913.9	2752.5	2591.5	2478.3	2365.5	2252.3	2139.4	2101.8	2064.5
40°	3548.9	3358.7	3168.8	2978.6	2788.6	2702.0	2615.3	2528.3	2441.6	2378.1	2314.6
42.5°	3811.1	3623.0	3435.2	3247.0	3059.2	2996.0	2933.1	2869.9	2807.0	2754.6	2702.3
45°	3901.1	3747.6	3594.4	3440.9	3287.4	3265.1	3243.1	3220.9	3198.9	3160.1	3121.2
47.5°	4045.9	3889.3	3733.1	3576.6	3420.1	3428.2	3436.4	3444.8	3452.9	3455.0	3456.8
50°	4131.0	3982.4	3834.0	3685.3	3536.9	3576.3	3615.5	3654.9	3694.3	3783.7	3872.8
52.5°	4255.3	4109.4	3963.7	3817.7	3671.7	3738.6	3805.1	3871.9	3938.4	4063.6	4188.8
55°	4411.3	4271.6	4132.2	3992.6	3853.2	3918.2	3983.0	4048.0	4112.7	4252.0	4391.4
57.5°	4618.0	4468.4	4319.2	4169.6	4020.3	4080.2	4139.8	4199.7	4259.3	4391.7	4524.1
60°	4853.4	4690.9	4528.3	4365.5	4203.0	4219.5	4235.8	4252.3	4268.6	4412.2	4555.4
62.5°	4969.0	4818.5	4668.3	4517.8	4367.3	4321.3	4275.2	4228.9	4182.8	4311.3	4439.6
65°	4868.8	4765.2	4662.0	4558.4	4454.9	4373.6	4292.7	4211.4	4130.1	4210.5	4290.6
67.5°	4549.7	4491.0	4432.6	4373.9	4315.2	4178.9	4042.6	3905.9	3769.6	3775.0	3780.1
70°	4032.6	4017.0	4001.6	3986.0	3970.3	3765.3	3560.7	3355.7	3150.7	3119.4	3088.1
72.5°	3377.4	3387.6	3397.5	3407.8	3418.0	3197.7	2977.4	2757.0	2536.7	2484.6	2432.6
75°	2615.9	2672.5	2729.0	2785.9	2842.5	2631.8	2421.1	2210.1	1999.5	1935.3	1871.2
77.5°	1848.4	1954.0	2059.4	2165.0	2270.6	2080.1	1889.9	1699.4	1508.8	1467.3	1425.8
80°	1288.8	1340.6	1392.4	1444.1	1495.9	1400.2	1304.5	1208.8	1113.0	1124.5	1135.6
82.5°	938.8	950.8	962.6	974.6	986.6	947.5	908.4	868.9	829.8	859.6	889.4
85°	601.4	644.4	687.2	730.2	772.9	729.6	686.2	642.6	599.3	619.1	639.0
87.5°	134.5	212.8	291.1	369.6	447.9	405.7	363.9	321.8	279.6	260.7	242.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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: P367162

CATALOG NUMBER: MSA-SA2A-730-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0
2.5°	762.7	778.7	773.8	769.3	764.5	759.7	768.4	777.1	786.2	794.9	791.9
5°	1052.9	1055.9	1027.3	999.0	970.4	941.8	959.5	977.3	995.1	1012.8	1006.5
7.5°	1240.1	1225.0	1208.5	1191.9	1175.1	1158.5	1154.9	1151.3	1147.4	1143.7	1138.9
10°	1390.6	1401.1	1390.3	1379.7	1368.9	1358.1	1332.8	1307.5	1281.9	1256.6	1246.1
12.5°	1508.2	1520.0	1522.7	1525.1	1527.8	1530.5	1502.2	1474.2	1445.9	1417.6	1392.1
15°	1509.7	1519.7	1528.4	1536.8	1545.6	1554.0	1536.5	1519.4	1501.9	1484.5	1476.3
17.5°	1546.8	1548.6	1541.4	1534.4	1527.2	1520.3	1513.4	1506.7	1499.8	1493.2	1480.3
20°	1525.7	1529.9	1529.0	1528.1	1526.9	1526.0	1526.6	1526.9	1527.5	1527.8	1520.6
22.5°	1536.5	1517.6	1521.5	1525.1	1529.0	1532.6	1543.5	1554.3	1565.4	1576.3	1605.2
25°	1619.6	1578.4	1572.1	1566.0	1559.7	1553.7	1582.0	1610.0	1638.3	1666.6	1713.5
27.5°	1565.4	1500.1	1485.7	1471.2	1456.8	1442.3	1485.4	1528.1	1571.2	1614.2	1662.0
30°	1617.8	1551.3	1519.4	1487.5	1455.3	1423.4	1464.6	1505.5	1546.8	1587.7	1640.7
32.5°	1674.7	1629.5	1608.2	1587.1	1565.7	1544.7	1548.0	1551.3	1554.6	1557.9	1632.6
35°	1763.2	1694.9	1673.8	1652.7	1631.6	1610.6	1645.8	1680.7	1715.9	1750.8	1814.0
37.5°	2026.8	1989.2	1951.3	1913.4	1875.1	1837.2	1858.0	1878.8	1899.5	1920.3	1979.9
40°	2251.1	2187.6	2181.2	2175.2	2168.9	2162.6	2164.4	2165.9	2167.7	2169.5	2220.4
42.5°	2649.6	2597.2	2565.0	2532.8	2500.6	2468.4	2466.3	2464.2	2461.8	2459.7	2497.9
45°	3082.1	3043.3	3019.2	2995.1	2970.7	2946.7	2908.4	2870.2	2831.7	2793.5	2826.9
47.5°	3458.9	3461.0	3504.7	3548.0	3591.7	3635.3	3570.0	3504.7	3439.4	3374.1	3331.0
50°	3962.2	4051.3	4061.8	4072.0	4082.6	4093.1	3982.4	3871.9	3761.1	3650.4	3605.2
52.5°	4314.3	4439.6	4423.3	4407.3	4391.1	4374.8	4310.7	4246.9	4182.8	4118.7	4020.3
55°	4531.1	4670.4	4658.1	4646.0	4633.7	4621.3	4574.7	4528.0	4481.4	4434.7	4326.7
57.5°	4656.6	4789.0	4792.6	4796.2	4799.8	4803.4	4791.1	4778.8	4766.4	4754.1	4613.5
60°	4699.0	4842.6	4844.1	4845.3	4846.8	4848.0	4828.4	4808.9	4789.0	4769.4	4677.6
62.5°	4568.1	4696.3	4702.0	4707.4	4713.1	4718.9	4705.3	4691.8	4678.2	4664.7	4596.7
65°	4370.9	4451.3	4452.8	4454.0	4455.5	4457.0	4422.7	4388.7	4354.4	4320.1	4303.8
67.5°	3785.5	3790.9	3822.8	3854.7	3886.6	3918.5	3921.3	3924.0	3927.0	3929.7	3906.2
70°	3056.8	3025.5	3060.1	3094.7	3129.4	3164.0	3178.7	3193.5	3208.5	3223.3	3234.1
72.5°	2380.2	2328.1	2353.7	2379.3	2405.2	2430.8	2408.8	2386.8	2364.9	2342.9	2412.4
75°	1807.1	1743.0	1739.7	1736.7	1733.4	1730.4	1719.2	1708.1	1696.7	1685.5	1750.5
77.5°	1383.9	1342.4	1344.5	1346.3	1348.4	1350.2	1338.8	1327.7	1316.2	1304.8	1329.8
80°	1147.1	1158.2	1158.5	1158.8	1159.1	1159.4	1148.6	1138.0	1127.2	1116.4	1098.3
82.5°	919.5	949.3	949.0	949.0	948.7	948.4	947.8	947.2	946.3	945.7	916.2
85°	658.9	678.7	658.3	637.8	617.3	596.9	611.9	627.0	642.3	657.4	645.0
87.5°	223.0	204.4	180.0	155.9	131.5	107.2	133.3	159.5	186.0	212.2	227.2
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: P367162
 CATALOG NUMBER: MSA-SA2A-730-U-SLR

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: P367162

CATALOG NUMBER: MSA-SA2A-730-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0
2.5°	789.2	786.2	783.5	764.5	745.2	726.3	707.0	741.9	777.1	812.1	847.0
5°	1000.5	994.2	988.1	986.6	985.1	983.3	981.8	999.6	1017.3	1034.8	1052.6
7.5°	1134.1	1129.3	1124.5	1111.8	1099.5	1086.9	1074.2	1085.1	1095.6	1106.4	1117.0
10°	1235.9	1225.3	1214.8	1187.4	1160.3	1132.9	1105.5	1097.4	1089.3	1081.1	1073.0
12.5°	1366.5	1340.6	1315.0	1284.0	1252.7	1221.7	1190.4	1186.2	1182.0	1178.1	1173.8
15°	1468.5	1460.4	1452.3	1427.6	1402.9	1378.2	1353.5	1320.4	1287.0	1253.9	1220.8
17.5°	1467.6	1454.7	1442.0	1475.1	1507.9	1541.1	1573.9	1538.6	1503.1	1467.9	1432.7
20°	1513.4	1505.8	1498.6	1559.7	1620.5	1681.6	1742.4	1723.1	1703.6	1684.3	1664.8
22.5°	1633.8	1662.6	1691.2	1743.6	1795.7	1848.1	1900.1	1922.1	1944.1	1966.0	1988.0
25°	1760.2	1807.1	1854.1	1932.0	2009.7	2087.6	2165.6	2181.2	2196.9	2212.6	2228.2
27.5°	1709.6	1757.5	1805.3	1864.3	1923.0	1982.0	2040.7	2109.3	2178.2	2246.9	2315.5
30°	1693.4	1746.3	1799.0	1880.0	1960.6	2041.6	2122.6	2217.1	2311.6	2405.8	2500.3
32.5°	1706.9	1781.5	1856.2	1965.7	2075.0	2184.6	2294.1	2393.4	2493.1	2592.4	2691.7
35°	1877.0	1940.2	2003.1	2125.6	2248.1	2370.6	2493.1	2609.6	2726.0	2842.2	2958.7
37.5°	2039.2	2098.8	2158.4	2283.6	2408.5	2533.7	2658.9	2842.8	3027.0	3210.9	3394.8
40°	2270.9	2321.8	2372.4	2479.5	2586.7	2693.8	2801.0	3022.8	3244.6	3466.5	3688.3
42.5°	2535.8	2574.0	2612.0	2723.0	2834.1	2945.2	3056.2	3297.6	3539.3	3780.7	4022.1
45°	2860.0	2893.4	2926.8	3003.2	3079.7	3156.4	3232.9	3481.8	3730.7	3979.6	4228.6
47.5°	3288.0	3244.9	3201.9	3239.5	3277.1	3314.8	3352.4	3598.6	3844.8	4090.7	4336.9
50°	3560.1	3514.9	3469.8	3473.1	3476.1	3479.4	3482.7	3712.4	3942.0	4171.4	4401.0
52.5°	3921.9	3823.1	3724.7	3723.8	3722.9	3721.7	3720.8	3921.0	4121.4	4321.6	4521.7
55°	4218.6	4110.6	4002.5	3981.5	3960.4	3939.0	3917.9	4116.0	4313.7	4511.8	4709.5
57.5°	4473.0	4332.1	4191.5	4158.4	4125.3	4092.2	4059.1	4272.5	4486.2	4699.6	4913.0
60°	4586.1	4494.3	4402.8	4362.2	4321.6	4280.9	4240.3	4422.1	4603.9	4785.4	4967.2
62.5°	4528.9	4460.9	4393.2	4402.5	4411.9	4421.2	4430.5	4534.4	4638.5	4742.3	4846.2
65°	4287.9	4271.6	4255.6	4330.9	4406.1	4481.4	4556.6	4558.1	4559.6	4561.2	4562.7
67.5°	3882.7	3859.3	3835.8	3992.3	4148.5	4305.0	4461.5	4387.2	4312.8	4238.8	4164.5
70°	3244.6	3255.5	3266.0	3479.1	3691.9	3905.0	4118.1	4010.3	3902.3	3794.5	3686.5
72.5°	2481.9	2551.8	2621.3	2842.2	3063.1	3284.1	3505.0	3381.9	3258.5	3135.4	3012.0
75°	1815.6	1880.6	1945.6	2163.8	2382.0	2600.5	2818.7	2672.5	2526.2	2380.2	2233.9
77.5°	1354.7	1380.0	1405.0	1586.5	1767.7	1949.2	2130.4	1983.5	1836.6	1690.0	1543.2
80°	1080.5	1062.5	1044.7	1145.3	1245.8	1346.3	1446.8	1342.7	1238.3	1134.1	1030.0
82.5°	887.0	857.5	828.3	865.6	903.0	940.6	977.9	894.5	811.2	727.8	644.4
85°	632.7	620.3	608.0	618.8	629.4	640.2	651.0	569.8	488.5	407.5	326.3
87.5°	242.0	257.0	272.1	289.2	306.1	323.3	340.1	266.4	192.6	119.2	45.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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

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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	654.0	654.0
2.5°	861.4	875.9
5°	1052.2	1051.9
7.5°	1112.1	1107.0
10°	1059.8	1046.5
12.5°	1134.7	1095.3
15°	1181.7	1142.2
17.5°	1373.4	1313.8
20°	1594.0	1523.0
22.5°	1880.0	1771.9
25°	2099.1	1969.7
27.5°	2238.7	2161.7
30°	2412.1	2323.9
32.5°	2626.7	2561.4
35°	2899.1	2839.2
37.5°	3376.2	3357.2
40°	3665.7	3642.8
42.5°	4023.0	4023.6
45°	4242.1	4255.6
47.5°	4371.2	4405.2
50°	4474.2	4547.0
52.5°	4621.3	4721.0
55°	4842.0	4974.1
57.5°	5025.6	5138.1
60°	5025.6	5083.7
62.5°	4844.7	4842.9
65°	4534.7	4506.4
67.5°	4128.9	4093.4
70°	3631.1	3575.4
72.5°	2943.0	2873.8
75°	2139.1	2044.0
77.5°	1498.0	1452.6
80°	1051.9	1073.9
82.5°	675.7	707.0
85°	321.5	316.6
87.5°	37.9	30.4
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: P367162
CATALOG NUMBER: MSA-SA2A-730-U-SLR

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)