

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: P368328

Luminaire Tested: **MSA-SA4B-727-U-SLR**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P368328
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-SA4B-727-U-SLR
Description: MESA POST TOP DECORATIVE LUMINAIRE. (4) 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: 13919 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

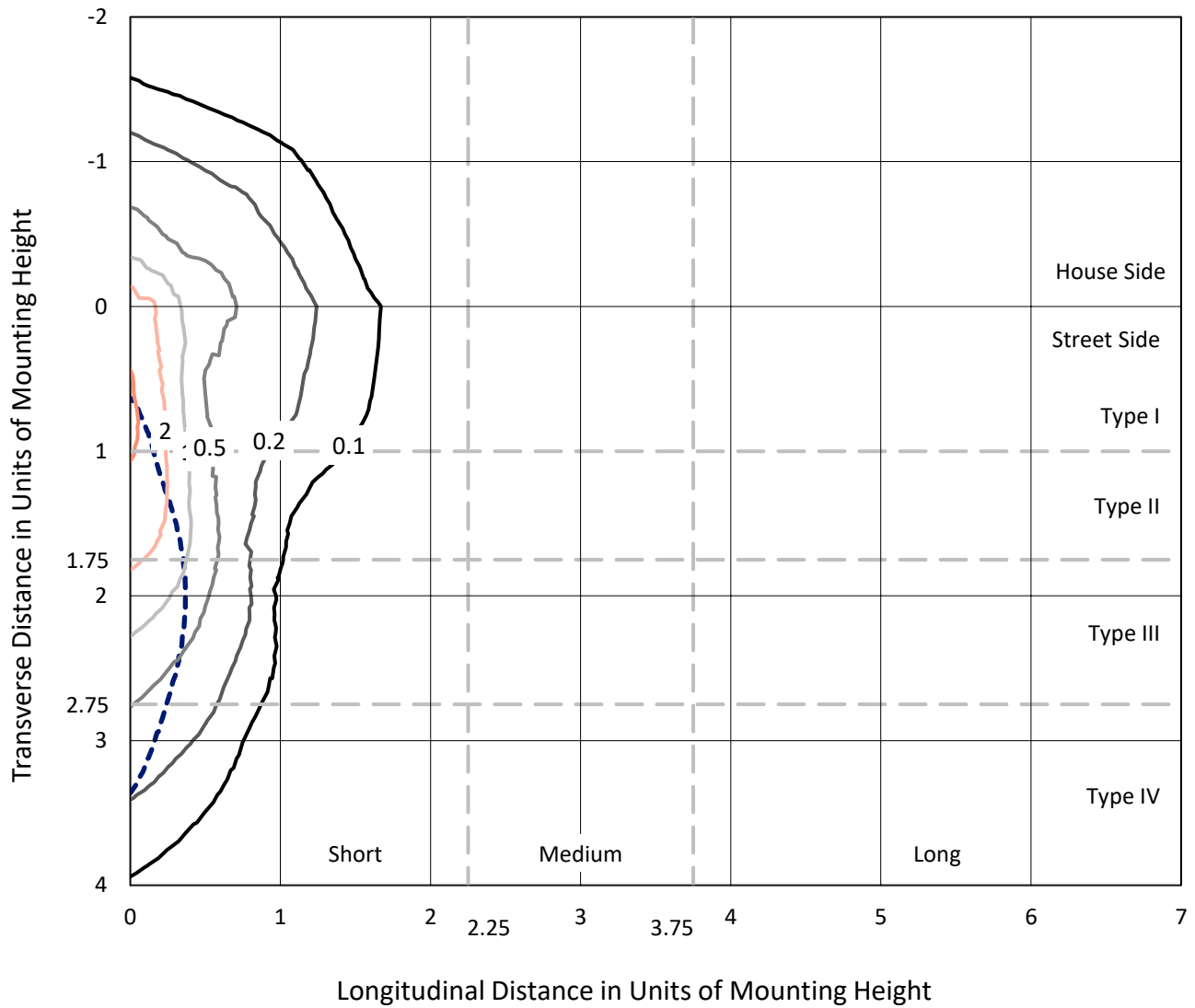
Input Watts (W): 171
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

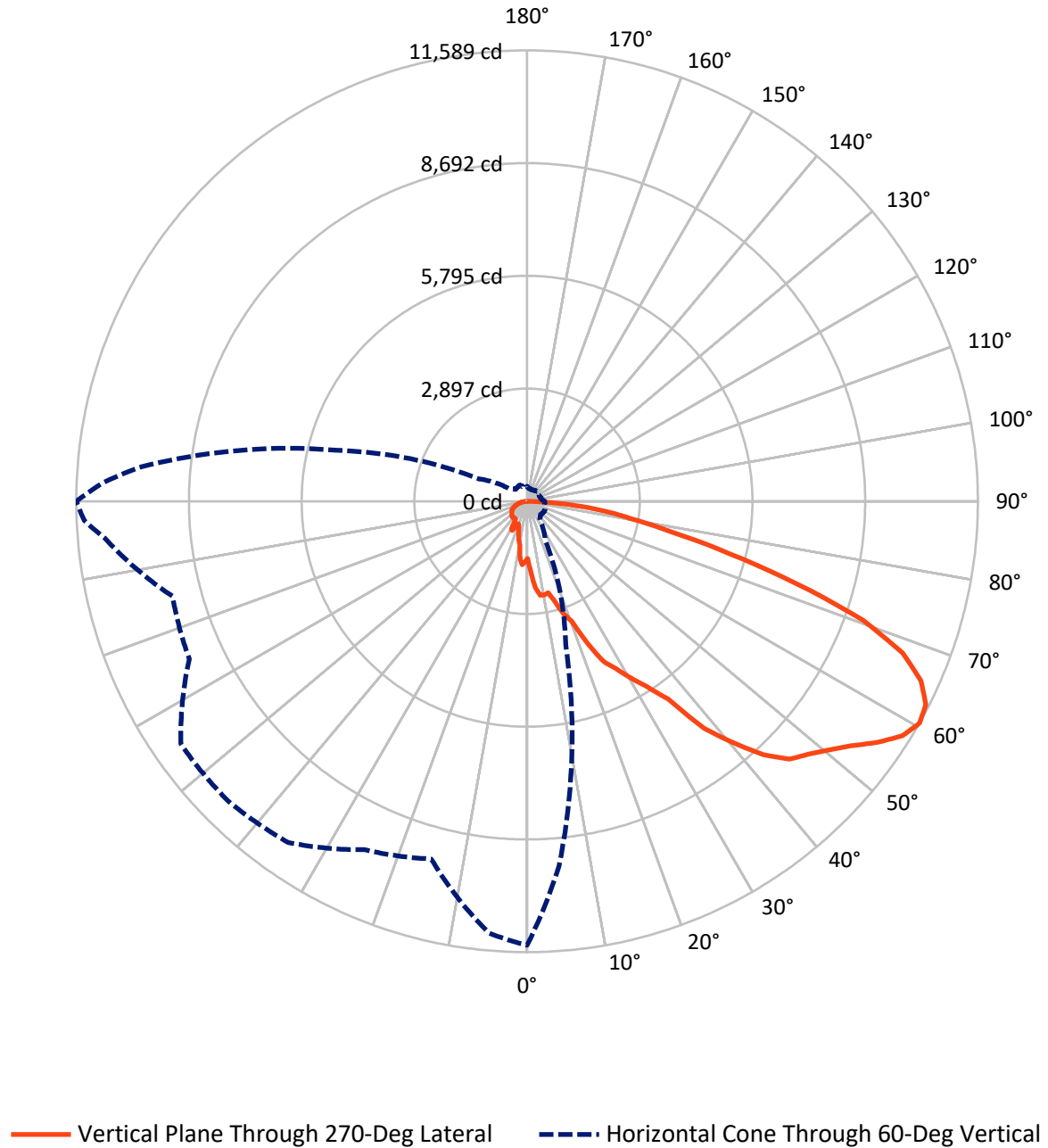
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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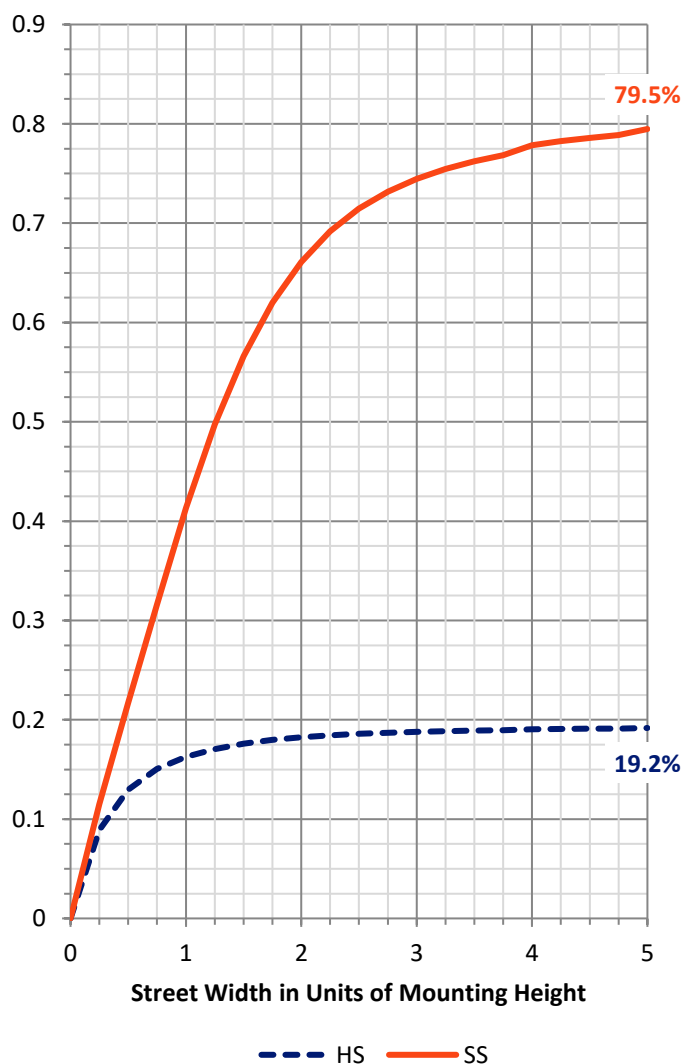
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2695.8	0.0	2695.8
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	11223.2	0.0	11223.2
	% Fixture	80.6	0.0	80.6
Total	Lumens	13919.0	0.0	13919.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.3	1.2
10°-20°	489.1	3.5
20°-30°	863.4	6.2
30°-40°	1344.7	9.7
40°-50°	2213.8	15.9
50°-60°	3159.8	22.7
60°-70°	3350.6	24.1
70°-80°	1850.6	13.3
80°-90°	478.8	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°	13919.0	100.0
0°-180°	13919.0	100.0

Coefficient of Utilization



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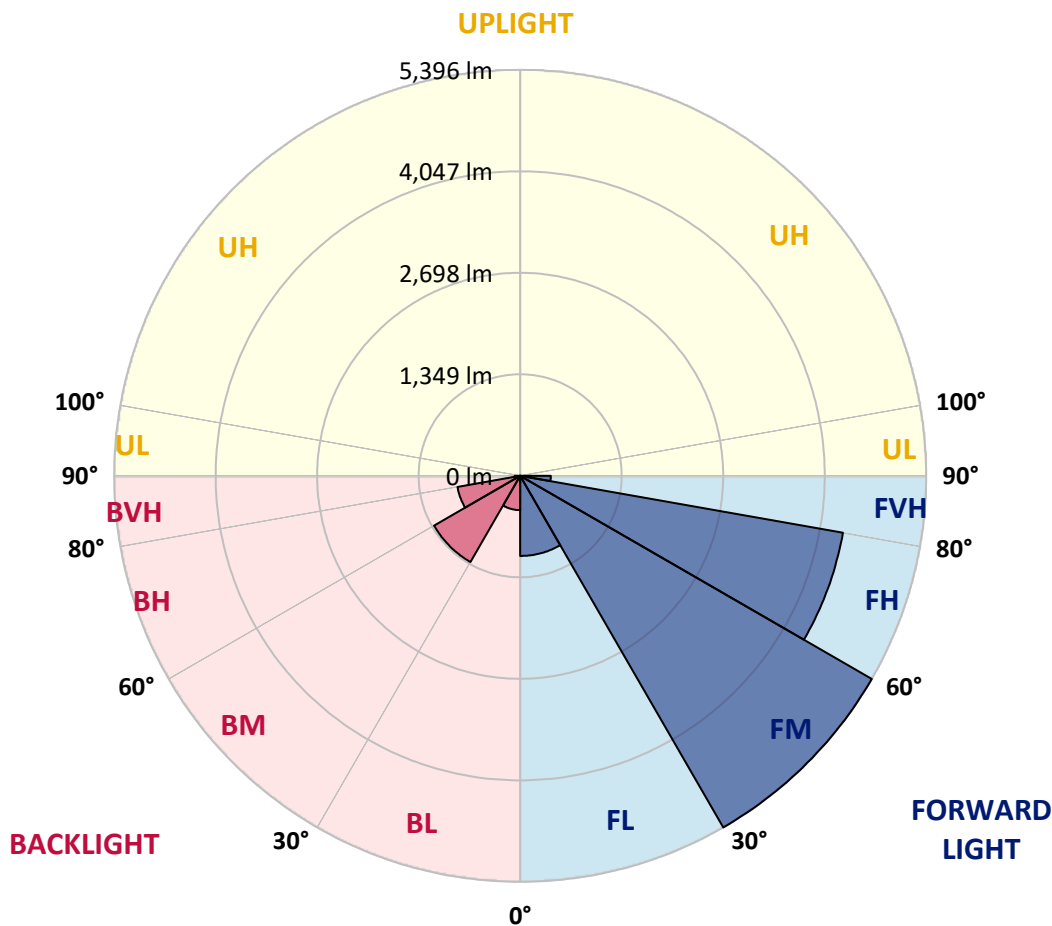
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1065.0	7.7			
FM (30°-60°)	5395.9	38.8			
FH (60°-80°)	4355.3	31.3			G2/5000
FVH (80°-90°)	407.0	2.9			G3/500
BL (0°-30°)	455.7	3.3	B1/500		
BM (30°-60°)	1322.4	9.5	B2/2500		
BH (60°-80°)	845.9	6.1	B2/1000		G2/1000
BVH (80°-90°)	71.9	0.5			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°	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1
2.5°	1966.0	1978.2	1989.7	1966.7	1943.7	1920.1	1897.1	1862.6	1827.5	1793.1	1757.9
5°	2361.2	2316.7	2271.4	2253.1	2235.6	2217.3	2199.1	2182.2	2165.3	2147.8	2130.9
7.5°	2484.9	2421.4	2357.2	2330.2	2303.1	2275.4	2248.4	2187.6	2126.8	2065.3	2004.5
10°	2349.1	2282.9	2216.0	2189.6	2162.6	2136.3	2109.2	2034.9	1961.3	1887.0	1812.7
12.5°	2458.5	2391.0	2322.7	2239.0	2155.2	2070.7	1987.0	1945.7	1904.5	1862.6	1821.4
15°	2563.9	2472.7	2380.8	2297.1	2213.3	2128.8	2045.1	1962.6	1880.2	1797.8	1715.4
17.5°	2949.0	2797.0	2645.0	2493.7	2341.7	2190.3	2038.3	1943.0	1847.1	1751.8	1655.9
20°	3418.6	3207.1	2995.0	2765.3	2534.9	2305.2	2074.8	1954.5	1834.9	1714.7	1594.4
22.5°	3977.3	3710.4	3443.6	3153.7	2863.9	2573.4	2283.5	2109.2	1934.9	1760.0	1585.6
25°	4421.2	4164.4	3907.7	3540.2	3172.6	2805.1	2437.6	2239.6	2041.7	1843.1	1645.1
27.5°	4852.2	4443.5	4034.0	3613.1	3192.9	2772.0	2351.1	2168.0	1984.9	1801.8	1618.8
30°	5216.4	4892.1	4567.8	4018.5	3469.2	2919.3	2370.0	2145.0	1920.1	1695.1	1470.1
32.5°	5749.4	5286.6	4823.2	4250.2	3677.3	3104.4	2531.5	2243.7	1955.9	1668.1	1380.3
35°	6373.0	5892.0	5410.9	4702.2	3994.2	3285.5	2576.8	2272.1	1966.7	1662.0	1356.6
37.5°	7535.7	6687.8	5839.3	5065.7	4292.1	3517.9	2744.3	2390.3	2036.3	1681.6	1327.6
40°	8176.9	7393.2	6609.5	5645.4	4681.3	3716.5	2752.4	2390.3	2027.5	1665.4	1302.6
42.5°	9031.5	8040.4	7048.6	6006.1	4964.4	3921.9	2879.4	2478.1	2076.8	1674.8	1273.5
45°	9552.4	8447.8	7342.5	6228.4	5114.3	4000.3	2886.2	2478.8	2071.4	1664.0	1256.6
47.5°	9888.2	8827.5	7766.1	6566.9	5367.7	4167.8	2968.6	2536.2	2103.2	1670.8	1237.7
50°	10206.4	9155.8	8104.6	6859.4	5615.0	4369.8	3124.7	2652.4	2180.2	1707.3	1235.0
52.5°	10596.9	9629.4	8661.3	7325.6	5989.2	4653.6	3317.2	2803.1	2289.0	1774.8	1260.7
55°	11165.1	10211.8	9257.8	7824.2	6389.9	4956.2	3521.9	2951.0	2380.8	1809.9	1239.1
57.5°	11533.3	10566.5	9599.7	8137.7	6675.7	5213.0	3751.0	3118.6	2486.2	1853.2	1220.8
60°	11411.0	10413.8	9415.9	8022.1	6628.4	5234.6	3840.8	3157.8	2475.4	1792.4	1109.3
62.5°	10870.5	9810.5	8750.4	7501.9	6254.1	5005.6	3757.0	3062.5	2368.7	1674.2	979.6
65°	10115.2	9019.3	7922.8	6796.6	5670.4	4544.1	3417.9	2787.6	2156.5	1526.2	895.2
67.5°	9188.2	8045.8	6902.7	5905.5	4908.3	3910.4	2913.2	2386.2	1859.9	1333.0	806.0
70°	8025.5	6902.7	5779.8	4917.1	4054.3	3191.6	2328.8	1932.2	1536.3	1139.7	743.2
72.5°	6450.7	5481.9	4513.0	3834.1	3155.1	2476.1	1797.1	1521.5	1246.5	970.8	695.2
75°	4588.0	4018.5	3449.0	2920.6	2392.3	1863.3	1335.0	1156.6	978.3	799.9	621.6
77.5°	3260.5	2924.7	2588.9	2174.8	1760.6	1346.5	932.3	827.6	723.6	618.9	514.1
80°	2410.6	2130.2	1849.8	1537.7	1225.5	913.4	601.3	549.9	499.3	447.9	396.6
82.5°	1587.0	1460.7	1333.6	1086.4	839.1	591.8	344.6	325.6	306.7	287.8	268.9
85°	710.7	750.6	789.8	638.4	486.4	335.1	183.1	174.3	165.5	156.7	148.0
87.5°	68.2	100.7	133.1	114.2	94.6	75.7	56.1	55.4	55.4	54.7	54.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1
2.5°	1767.4	1776.8	1786.3	1795.8	1785.6	1775.5	1764.7	1754.5	1741.7	1728.9	1715.4
5°	2102.5	2073.4	2045.1	2016.0	1972.8	1929.5	1885.6	1842.4	1837.0	1830.9	1825.5
7.5°	1951.1	1898.5	1845.1	1791.7	1724.1	1657.3	1589.7	1522.1	1501.9	1481.6	1461.3
10°	1776.8	1740.4	1704.6	1668.1	1626.2	1584.3	1541.7	1499.8	1444.4	1388.4	1333.0
12.5°	1762.0	1702.5	1642.4	1582.9	1557.3	1531.6	1505.9	1480.3	1431.6	1383.0	1333.6
15°	1667.4	1618.8	1570.8	1522.1	1485.0	1447.8	1410.7	1373.5	1334.3	1294.5	1255.3
17.5°	1600.5	1545.1	1489.7	1434.3	1391.7	1349.2	1305.9	1263.4	1216.1	1168.1	1120.8
20°	1530.9	1468.1	1404.6	1341.1	1287.0	1233.7	1179.6	1125.6	1073.5	1022.2	970.2
22.5°	1502.5	1419.4	1336.3	1253.2	1196.5	1139.1	1082.3	1024.9	976.9	929.0	881.0
25°	1545.8	1447.1	1347.8	1248.5	1172.2	1095.2	1018.8	941.8	901.9	862.1	821.5
27.5°	1495.1	1370.8	1247.2	1122.9	1041.1	958.7	876.9	794.5	788.4	782.4	775.6
30°	1339.7	1209.3	1078.9	948.6	873.6	797.9	722.9	647.2	633.0	618.2	604.0
32.5°	1247.2	1114.1	981.0	847.9	781.0	713.4	646.6	579.0	562.8	546.6	530.4
35°	1212.0	1067.5	922.9	778.3	720.9	663.4	606.0	548.6	537.1	526.3	514.8
37.5°	1183.7	1040.4	896.5	752.6	697.2	641.8	585.8	530.4	521.6	512.8	504.0
40°	1156.6	1011.4	865.5	719.5	670.2	621.6	572.2	522.9	517.5	512.1	506.0
42.5°	1132.3	991.1	849.2	708.0	664.1	620.9	577.0	533.1	527.6	522.2	516.8
45°	1118.8	981.0	843.2	705.3	673.6	641.8	609.4	577.6	564.8	552.0	538.5
47.5°	1108.7	979.6	850.6	721.5	688.4	655.3	622.2	589.1	577.6	566.2	554.0
50°	1110.7	987.1	862.7	738.4	698.6	658.0	618.2	577.6	576.3	574.9	573.6
52.5°	1128.9	997.9	866.1	734.4	691.1	647.9	604.0	560.8	569.5	577.6	586.4
55°	1102.6	966.1	829.0	692.5	651.3	610.7	569.5	528.3	539.8	550.6	562.1
57.5°	1072.9	924.9	776.9	629.0	597.9	566.8	535.1	504.0	516.2	529.0	541.2
60°	974.2	839.1	704.0	568.9	547.9	527.0	506.0	485.1	490.5	495.9	501.3
62.5°	866.1	751.9	638.4	524.3	508.1	491.2	475.0	458.1	458.1	458.7	458.7
65°	797.2	699.3	601.3	503.3	485.1	466.8	447.9	429.7	427.0	424.3	421.6
67.5°	728.3	651.3	573.6	495.9	469.5	443.9	417.5	391.2	387.8	385.1	381.7
70°	674.3	605.3	536.4	467.5	437.8	408.7	379.0	349.3	346.6	344.6	341.9
72.5°	630.3	566.2	501.3	436.4	405.4	373.6	342.5	310.8	308.8	306.7	304.0
75°	564.1	507.4	450.0	392.5	362.1	332.4	302.0	271.6	268.9	266.9	264.2
77.5°	466.8	418.9	371.6	323.6	300.0	277.0	253.4	229.7	228.4	227.0	225.0
80°	359.4	322.3	284.4	247.3	231.7	215.5	200.0	183.8	183.1	182.4	181.1
82.5°	246.6	224.3	202.0	179.7	168.2	156.1	144.6	132.4	133.1	133.8	134.4
85°	140.5	132.4	125.0	116.9	107.4	98.6	89.2	79.7	81.7	83.8	85.1
87.5°	51.3	48.6	45.9	43.2	38.5	34.5	29.7	25.0	26.3	28.4	29.7
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: P368328
 CATALOG NUMBER: MSA-SA4B-727-U-SLR

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: P368328

CATALOG NUMBER: MSA-SA4B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1
2.5°	1702.5	1682.3	1662.0	1641.7	1621.5	1579.6	1538.4	1496.5	1454.6	1480.3	1506.6
5°	1819.4	1785.0	1749.8	1715.4	1680.2	1660.6	1641.0	1621.5	1601.9	1612.0	1622.8
7.5°	1441.1	1420.8	1399.9	1379.6	1358.6	1349.9	1341.8	1333.0	1324.2	1349.2	1374.2
10°	1276.9	1248.5	1220.1	1191.1	1162.7	1145.8	1128.9	1112.0	1095.2	1101.9	1108.7
12.5°	1285.0	1243.1	1201.2	1159.3	1117.5	1092.5	1067.5	1042.5	1017.5	1023.5	1029.6
15°	1215.4	1172.2	1128.9	1085.7	1042.5	1013.4	983.7	954.6	924.9	914.8	904.0
17.5°	1072.9	1025.6	978.3	931.0	883.7	864.1	844.5	824.9	805.3	794.5	783.7
20°	918.1	874.2	830.3	786.4	742.5	729.0	715.5	701.3	687.8	681.0	673.6
22.5°	833.0	806.0	778.3	751.3	723.6	708.0	693.2	677.6	662.1	654.7	646.6
25°	781.7	787.1	793.2	798.6	804.0	797.2	789.8	783.0	775.6	778.3	780.3
27.5°	769.5	781.0	793.2	804.6	816.1	822.2	828.3	834.4	840.5	842.5	844.5
30°	589.1	595.2	600.6	606.7	612.1	629.0	645.9	662.1	679.0	705.3	732.4
32.5°	514.1	512.1	510.1	507.4	505.4	509.4	513.5	516.8	520.9	530.4	540.5
35°	503.3	498.6	493.2	488.5	483.1	485.1	487.1	489.1	491.2	498.6	506.0
37.5°	495.2	493.2	491.8	489.8	487.8	492.5	496.6	501.3	505.4	511.4	517.5
40°	500.6	499.9	499.3	497.9	497.2	499.9	502.7	505.4	508.1	516.2	524.3
42.5°	511.4	511.4	510.8	510.8	510.1	512.8	514.8	517.5	519.5	524.3	529.0
45°	525.6	524.3	523.6	522.2	520.9	520.2	520.2	519.5	518.9	521.6	524.9
47.5°	542.5	537.8	532.4	527.6	522.2	520.9	518.9	517.5	515.5	516.8	518.2
50°	572.2	559.4	547.2	534.4	521.6	518.2	514.8	511.4	508.1	507.4	507.4
52.5°	594.5	575.6	556.7	537.8	518.9	512.8	506.7	500.6	494.5	493.2	492.5
55°	572.9	558.7	545.2	531.0	516.8	508.1	498.6	489.8	480.4	478.3	476.3
57.5°	553.3	544.5	535.8	527.0	518.2	509.4	499.9	491.2	481.7	477.0	472.2
60°	506.7	506.7	507.4	507.4	507.4	497.9	488.5	479.0	469.5	464.8	460.8
62.5°	458.7	466.2	472.9	480.4	487.1	474.3	460.8	447.9	434.4	431.0	428.3
65°	418.9	420.9	423.6	425.6	427.7	417.5	407.4	397.3	387.1	385.1	382.4
67.5°	378.3	377.7	377.0	375.6	375.0	368.9	362.1	356.0	349.3	346.6	343.9
70°	339.2	338.5	337.8	336.5	335.8	330.4	325.0	319.6	314.2	312.1	310.1
72.5°	302.0	301.3	300.0	299.3	297.9	293.2	289.2	284.4	279.7	277.0	274.3
75°	261.5	260.1	258.8	257.4	256.1	252.0	247.9	243.2	239.2	236.5	233.8
77.5°	223.6	221.6	219.6	216.9	214.8	211.5	207.4	204.0	200.0	196.6	193.9
80°	180.4	179.0	177.7	175.7	174.3	170.9	167.6	163.5	160.1	156.1	152.7
82.5°	135.1	134.4	133.1	132.4	131.1	127.7	124.3	120.9	117.6	113.5	109.4
85°	87.2	86.5	85.8	85.1	84.5	81.7	79.7	77.0	74.3	70.3	66.9
87.5°	31.1	29.7	29.1	27.7	26.3	25.7	24.3	23.6	22.3	20.3	18.2
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: P368328
 CATALOG NUMBER: MSA-SA4B-727-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: P368328

CATALOG NUMBER: MSA-SA4B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1
2.5°	1532.3	1557.9	1558.6	1558.6	1570.8	1582.3	1558.6	1535.0	1510.7	1487.0	1463.4
5°	1632.9	1643.1	1640.4	1637.0	1622.1	1607.3	1591.7	1576.2	1560.6	1545.1	1545.8
7.5°	1399.2	1424.2	1444.4	1464.0	1445.1	1426.2	1416.1	1405.9	1395.8	1385.7	1384.3
10°	1114.7	1121.5	1129.6	1137.0	1125.6	1113.4	1133.7	1153.9	1173.5	1193.8	1171.5
12.5°	1035.7	1041.8	1027.6	1012.7	1008.0	1003.3	998.5	993.1	988.4	983.0	980.3
15°	893.8	883.0	872.2	860.7	858.0	854.6	851.3	847.2	843.8	839.8	827.6
17.5°	772.9	762.1	743.8	724.9	717.5	709.4	707.4	705.3	702.6	700.6	689.1
20°	666.8	659.4	654.7	649.3	641.8	634.4	627.0	619.5	611.4	604.0	593.2
22.5°	639.1	631.0	624.9	618.2	616.8	615.5	602.0	587.8	574.3	560.1	554.0
25°	783.0	785.1	747.9	710.1	706.7	703.3	679.0	654.0	629.7	604.7	583.7
27.5°	845.9	847.9	846.5	845.2	834.4	822.9	781.7	739.8	698.6	656.7	627.0
30°	758.7	785.1	795.2	805.3	797.9	789.8	746.5	704.0	660.7	617.5	597.9
32.5°	549.9	559.4	576.3	592.5	601.3	609.4	595.9	582.4	568.9	555.3	552.0
35°	512.8	520.2	523.6	527.0	521.6	516.2	506.0	495.9	485.1	475.0	472.9
37.5°	522.9	529.0	535.8	542.5	527.6	512.1	500.6	489.8	478.3	466.8	457.4
40°	532.4	540.5	544.5	548.6	533.7	518.9	504.7	491.2	477.0	462.8	453.3
42.5°	533.7	538.5	545.9	553.3	532.4	510.8	497.9	484.4	471.6	458.1	448.6
45°	527.6	530.4	537.1	543.9	519.5	494.5	483.1	470.9	459.4	447.3	439.1
47.5°	518.9	520.2	525.6	530.4	504.7	478.3	467.5	456.7	445.2	434.4	426.3
50°	506.7	506.0	510.1	513.5	487.1	460.8	450.0	439.8	429.0	418.2	411.4
52.5°	491.2	489.8	493.9	497.2	469.5	441.8	432.4	423.6	414.1	404.7	399.3
55°	473.6	471.6	475.0	478.3	451.3	423.6	415.5	406.7	398.6	389.8	385.1
57.5°	466.8	462.1	464.1	466.2	435.8	405.4	397.3	389.1	381.0	372.9	369.6
60°	456.0	451.3	453.3	454.7	422.3	389.1	381.7	373.6	366.2	358.1	354.7
62.5°	425.0	421.6	424.3	427.0	397.9	368.2	361.4	355.4	348.6	341.9	337.1
65°	380.4	377.7	383.1	388.5	363.5	338.5	334.4	330.4	325.6	321.6	316.9
67.5°	341.2	338.5	343.9	349.3	331.0	312.8	308.8	304.7	300.6	296.6	293.9
70°	308.1	306.0	310.8	315.5	300.0	284.4	280.4	277.0	272.9	268.9	266.9
72.5°	270.9	268.2	274.3	279.7	266.9	253.4	250.0	245.9	242.5	238.5	237.1
75°	231.1	228.4	233.8	238.5	229.7	220.2	216.9	213.5	210.1	206.7	206.1
77.5°	190.5	187.1	192.5	197.3	191.9	185.8	183.1	179.7	177.0	173.6	173.6
80°	148.6	144.6	148.6	152.0	150.0	148.0	145.9	143.2	141.2	138.5	139.2
82.5°	105.4	101.3	103.4	105.4	106.7	108.1	108.1	108.1	108.1	108.1	108.1
85°	62.8	58.8	59.5	60.1	62.2	64.2	64.9	65.5	66.2	66.9	67.6
87.5°	16.2	14.2	12.8	10.8	12.8	14.2	15.5	16.2	17.6	18.2	18.2
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: P368328
 CATALOG NUMBER: MSA-SA4B-727-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: P368328

CATALOG NUMBER: MSA-SA4B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1
2.5°	1439.7	1415.4	1391.7	1406.6	1420.8	1435.7	1449.9	1450.5	1450.5	1451.2	1451.2
5°	1547.1	1547.8	1548.5	1534.3	1520.8	1506.6	1492.4	1485.0	1477.6	1469.4	1462.0
7.5°	1382.3	1380.9	1378.9	1365.4	1351.9	1338.4	1324.9	1292.4	1259.3	1226.9	1193.8
10°	1148.5	1126.2	1103.3	1097.9	1093.1	1087.7	1082.3	1073.5	1065.4	1056.6	1047.9
12.5°	977.6	974.9	972.2	958.0	943.8	929.0	914.8	914.8	914.8	914.8	914.8
15°	814.8	802.6	789.8	783.0	775.6	768.8	761.4	758.0	754.7	751.3	747.9
17.5°	677.0	665.5	653.3	652.0	650.6	649.3	647.9	644.5	641.2	637.8	634.4
20°	582.4	571.6	560.8	564.8	568.9	572.2	576.3	572.9	569.5	565.5	562.1
22.5°	547.2	541.2	534.4	531.0	527.6	523.6	520.2	520.2	520.9	520.9	520.9
25°	563.5	542.5	521.6	511.4	501.3	490.5	480.4	476.3	472.9	468.9	464.8
27.5°	597.2	566.8	537.1	519.5	502.0	484.4	466.8	459.4	451.3	443.9	435.8
30°	577.6	558.1	537.8	517.5	497.2	477.0	456.7	447.3	437.8	427.7	418.2
32.5°	548.6	544.5	541.2	522.2	503.3	483.7	464.8	460.8	457.4	453.3	449.3
35°	470.2	468.2	465.5	460.8	456.0	451.3	446.6	441.2	435.8	430.4	425.0
37.5°	448.6	439.1	429.7	427.7	425.6	423.6	421.6	419.6	417.5	414.8	412.8
40°	443.9	434.4	425.0	421.6	418.2	414.1	410.8	411.4	412.8	413.5	414.1
42.5°	438.5	429.0	418.9	416.2	413.5	410.8	408.1	408.7	410.1	410.8	411.4
45°	431.7	423.6	415.5	410.8	406.7	402.0	397.3	401.3	405.4	408.7	412.8
47.5°	418.2	409.4	401.3	398.6	395.9	392.5	389.8	393.9	397.9	401.3	405.4
50°	404.0	397.3	389.8	389.1	388.5	387.1	386.4	389.1	391.9	394.6	397.3
52.5°	393.2	387.8	381.7	381.7	381.0	381.0	380.4	383.1	385.8	387.8	390.5
55°	381.0	376.3	371.6	372.3	373.6	374.3	375.0	377.7	381.0	383.7	386.4
57.5°	365.5	362.1	358.1	360.8	362.8	365.5	367.5	369.6	372.3	374.3	376.3
60°	350.6	347.3	343.2	345.9	349.3	352.0	354.7	356.7	358.7	360.8	362.8
62.5°	332.4	327.0	322.3	326.3	329.7	333.7	337.1	338.5	340.5	341.9	343.2
65°	312.8	308.1	303.3	306.0	308.8	310.8	313.5	315.5	317.5	319.6	321.6
67.5°	290.5	287.8	284.4	286.5	288.5	290.5	292.5	293.2	293.2	293.9	293.9
70°	264.2	262.1	259.4	260.8	262.8	264.2	265.5	265.5	265.5	264.8	264.8
72.5°	236.5	235.1	233.8	234.4	235.8	236.5	237.1	236.5	235.8	235.1	234.4
75°	205.4	204.7	204.0	204.7	206.1	206.7	207.4	206.7	205.4	204.7	203.4
77.5°	174.3	174.3	174.3	174.3	175.0	175.0	175.0	173.6	172.3	170.9	169.6
80°	139.9	140.5	141.2	141.2	141.2	141.2	141.2	139.9	138.5	136.5	135.1
82.5°	108.1	108.1	108.1	108.1	108.8	108.8	108.8	105.4	102.7	99.3	95.9
85°	67.6	68.2	68.2	68.9	69.6	69.6	70.3	65.5	61.5	56.8	52.0
87.5°	18.2	18.2	18.2	18.2	18.2	17.6	17.6	13.5	8.8	4.7	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: P368328
 CATALOG NUMBER: MSA-SA4B-727-U-SLR

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: P368328

CATALOG NUMBER: MSA-SA4B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1
2.5°	1455.3	1459.3	1462.7	1466.7	1467.4	1468.1	1468.1	1468.8	1454.6	1440.4	1425.5
5°	1472.1	1481.6	1491.7	1501.2	1499.2	1497.1	1495.1	1493.1	1489.0	1485.7	1481.6
7.5°	1186.4	1179.6	1172.2	1164.7	1170.8	1176.9	1183.0	1189.1	1191.8	1194.5	1196.5
10°	1031.0	1014.1	997.2	980.3	970.8	960.7	951.3	941.1	939.8	939.1	937.7
12.5°	897.2	879.0	861.4	843.2	837.8	831.7	826.3	820.2	825.6	831.0	835.7
15°	740.5	733.7	726.3	718.8	724.9	731.0	737.1	743.2	748.6	753.3	758.7
17.5°	631.0	628.3	624.9	621.6	627.0	633.0	638.4	643.9	656.0	668.2	680.3
20°	559.4	557.4	554.7	552.0	549.9	547.2	545.2	542.5	560.1	577.0	594.5
22.5°	516.8	512.8	508.7	504.7	505.4	506.0	506.0	506.7	520.9	535.8	549.9
25°	463.5	462.1	460.8	459.4	463.5	467.5	470.9	475.0	487.8	500.6	512.8
27.5°	436.4	437.1	437.8	438.5	443.9	450.0	455.4	460.8	469.5	478.3	487.1
30°	421.6	425.6	429.0	432.4	434.4	436.4	438.5	440.5	449.3	457.4	466.2
32.5°	443.9	438.5	432.4	427.0	429.7	433.1	435.8	438.5	446.6	454.7	462.8
35°	422.9	420.2	418.2	415.5	418.9	422.3	425.0	428.3	435.8	442.5	450.0
37.5°	412.1	411.4	410.8	410.1	412.1	414.1	415.5	417.5	424.3	431.0	437.1
40°	411.4	408.1	405.4	402.0	404.0	406.0	407.4	409.4	417.5	425.6	433.7
42.5°	407.4	403.3	398.6	394.6	396.6	399.3	401.3	403.3	412.1	420.2	429.0
45°	406.7	400.6	393.9	387.8	390.5	393.2	395.9	398.6	405.4	412.1	418.2
47.5°	399.3	393.2	387.1	381.0	382.4	383.7	384.4	385.8	391.9	397.3	403.3
50°	393.2	388.5	384.4	379.7	377.7	376.3	374.3	372.3	377.0	381.7	386.4
52.5°	385.8	381.0	375.6	370.9	368.2	365.5	362.8	360.1	364.2	367.5	371.6
55°	381.0	375.0	369.6	363.5	360.1	356.7	353.3	350.0	352.7	354.7	357.4
57.5°	370.9	365.5	359.4	354.0	350.0	345.9	341.2	337.1	338.5	339.8	341.2
60°	357.4	351.3	345.9	339.8	335.1	330.4	325.0	320.2	320.9	322.3	322.9
62.5°	337.8	332.4	326.3	320.9	315.5	310.8	305.4	300.0	301.3	302.0	303.3
65°	316.2	310.1	304.7	298.6	293.9	289.2	283.8	279.0	280.4	281.7	282.4
67.5°	289.8	285.1	281.1	276.3	272.3	267.5	263.5	258.8	259.4	260.1	260.8
70°	261.5	257.4	254.0	250.0	246.6	243.2	239.8	236.5	236.5	237.1	237.1
72.5°	231.1	227.7	224.3	220.9	217.5	214.8	211.5	208.1	209.4	210.8	211.5
75°	200.0	197.3	193.9	190.5	187.8	185.1	181.7	179.0	180.4	181.7	182.4
77.5°	167.6	165.5	162.8	160.8	158.1	155.4	152.0	149.3	150.7	152.0	152.7
80°	133.8	132.4	130.4	129.0	126.3	123.6	120.9	118.2	118.9	118.9	119.6
82.5°	96.6	97.3	97.3	98.0	95.9	93.2	91.2	88.5	88.5	88.5	87.8
85°	54.0	56.8	58.8	60.8	58.8	56.8	54.7	52.7	52.0	52.0	51.3
87.5°	2.0	3.4	5.4	6.8	6.1	5.4	4.1	3.4	4.1	4.7	4.7
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: P368328
 CATALOG NUMBER: MSA-SA4B-727-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: P368328
 CATALOG NUMBER: MSA-SA4B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1
2.5°	1411.3	1422.8	1434.3	1445.8	1457.3	1474.8	1492.4	1510.7	1528.9	1518.8	1508.0
5°	1477.6	1484.3	1491.7	1498.5	1505.3	1524.8	1543.8	1567.4	1590.4	1587.7	1584.3
7.5°	1199.2	1208.7	1218.1	1226.9	1236.4	1266.1	1295.8	1320.8	1345.8	1342.4	1338.4
10°	936.4	956.0	976.3	995.8	1015.4	1039.8	1063.4	1084.3	1105.3	1140.4	1174.9
12.5°	841.1	871.5	901.9	932.3	962.7	980.3	997.2	1024.2	1051.2	1070.2	1089.8
15°	763.4	791.8	820.2	848.6	876.9	878.3	879.6	908.0	936.4	952.6	968.1
17.5°	692.5	708.0	723.6	738.4	754.0	748.6	743.2	756.7	769.5	776.3	783.7
20°	611.4	622.2	633.0	643.9	654.7	662.1	668.8	677.0	684.4	677.6	670.2
22.5°	564.1	580.3	597.2	613.5	629.7	634.4	638.4	633.7	629.0	627.0	624.9
25°	525.6	545.2	565.5	585.1	604.7	614.1	623.6	627.6	631.0	623.6	616.2
27.5°	495.9	519.5	542.5	566.2	589.1	606.0	622.9	627.6	631.7	626.3	620.2
30°	474.3	499.9	525.6	551.3	577.0	602.6	627.6	649.9	671.6	669.5	667.5
32.5°	470.9	488.5	506.0	523.6	541.2	557.4	572.9	574.3	574.9	569.5	563.5
35°	456.7	468.2	479.7	491.2	502.7	512.8	522.2	520.9	519.5	514.1	508.7
37.5°	443.9	455.4	467.5	479.0	490.5	508.1	524.9	521.6	517.5	512.1	506.7
40°	441.8	454.7	467.5	479.7	492.5	508.7	524.9	521.6	518.2	511.4	504.7
42.5°	437.1	450.0	462.1	475.0	487.1	506.7	525.6	519.5	512.8	507.4	502.0
45°	425.0	436.4	447.9	459.4	470.9	491.8	512.8	505.4	497.9	495.9	493.2
47.5°	408.7	420.2	431.7	443.2	454.7	475.6	495.9	489.8	483.1	482.4	481.0
50°	391.2	402.0	413.5	424.3	435.1	456.0	476.3	470.9	465.5	466.2	466.2
52.5°	375.0	385.1	394.6	404.7	414.1	435.1	455.4	451.3	446.6	447.9	448.6
55°	359.4	367.5	375.6	383.7	391.9	412.1	432.4	426.3	420.2	422.3	424.3
57.5°	342.5	349.3	356.0	362.1	368.9	389.1	408.7	402.0	394.6	397.9	400.6
60°	323.6	329.7	335.8	341.2	347.3	365.5	383.1	377.0	370.2	375.0	379.0
62.5°	304.0	308.8	313.5	318.2	322.9	339.8	356.7	352.0	347.3	352.7	357.4
65°	283.8	287.1	291.2	294.6	297.9	314.2	329.7	326.3	322.9	327.7	332.4
67.5°	261.5	264.2	267.5	270.2	272.9	287.8	302.7	299.3	295.2	299.3	302.7
70°	237.1	239.8	241.9	244.6	246.6	260.1	273.6	268.9	263.5	267.5	270.9
72.5°	212.8	214.2	216.2	217.5	218.9	229.0	239.2	235.1	231.1	235.1	238.5
75°	183.8	185.1	186.5	187.8	189.2	198.0	206.1	201.3	195.9	200.0	204.0
77.5°	154.0	154.7	156.1	156.7	157.4	163.5	168.9	164.2	158.8	163.5	168.2
80°	119.6	120.3	120.9	120.9	121.6	123.6	125.7	122.3	118.2	124.3	130.4
82.5°	87.8	87.2	87.2	86.5	85.8	85.8	85.1	83.1	80.4	85.8	91.2
85°	50.7	50.0	48.6	48.0	46.6	44.6	42.6	41.9	41.2	45.9	50.7
87.5°	5.4	4.7	3.4	2.7	1.4	0.7	0.0	0.0	0.0	2.7	6.1
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: P368328
 CATALOG NUMBER: MSA-SA4B-727-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: P368328
 CATALOG NUMBER: MSA-SA4B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1
2.5°	1497.8	1487.0	1476.9	1466.7	1456.6	1446.5	1465.4	1484.3	1503.2	1522.1	1539.0
5°	1581.6	1578.2	1569.4	1561.3	1552.5	1543.8	1548.5	1553.9	1558.6	1563.4	1573.5
7.5°	1335.0	1330.9	1349.9	1368.1	1387.0	1405.3	1410.0	1414.0	1418.8	1422.8	1420.1
10°	1210.0	1244.5	1253.2	1261.4	1270.1	1278.2	1291.8	1305.3	1318.1	1331.6	1339.1
12.5°	1108.7	1127.6	1158.7	1190.4	1221.5	1252.6	1272.8	1293.1	1313.4	1333.6	1375.5
15°	984.4	999.9	1023.5	1047.2	1070.8	1094.5	1123.5	1153.3	1182.3	1211.4	1257.3
17.5°	790.5	797.2	814.8	832.3	849.2	866.8	906.0	944.5	983.7	1022.2	1074.9
20°	663.4	656.0	656.0	656.7	656.7	656.7	695.9	734.4	773.6	812.1	881.7
22.5°	622.2	620.2	612.8	604.7	597.2	589.1	609.4	630.3	650.6	670.9	727.6
25°	608.0	600.6	591.2	581.7	572.2	562.8	575.6	588.5	601.3	614.1	658.7
27.5°	614.8	608.7	613.5	617.5	622.2	626.3	630.3	634.4	638.4	642.5	658.0
30°	665.5	663.4	670.9	677.6	685.1	691.8	682.4	673.6	664.1	654.7	660.1
32.5°	558.1	552.0	549.3	546.6	543.9	541.2	540.5	539.8	538.5	537.8	549.9
35°	503.3	497.9	493.9	489.8	485.1	481.0	483.1	484.4	486.4	487.8	501.3
37.5°	501.3	495.9	491.2	486.4	481.0	476.3	478.3	481.0	483.1	485.1	495.2
40°	497.9	491.2	488.5	485.8	483.1	480.4	481.7	483.1	483.7	485.1	492.5
42.5°	495.9	490.5	489.1	487.8	486.4	485.1	486.4	487.8	488.5	489.8	498.6
45°	491.2	488.5	489.8	491.2	492.5	493.9	493.9	493.9	493.9	493.9	503.3
47.5°	480.4	479.0	483.1	487.1	491.2	495.2	502.0	508.7	514.8	521.6	523.6
50°	466.8	466.8	473.6	480.4	486.4	493.2	509.4	524.9	541.2	556.7	546.6
52.5°	450.0	450.6	460.8	470.2	480.4	489.8	504.7	519.5	533.7	548.6	533.7
55°	425.6	427.7	440.5	452.7	465.5	477.7	489.1	500.6	512.1	523.6	508.1
57.5°	404.0	406.7	420.2	433.1	446.6	459.4	466.2	473.6	480.4	487.1	477.0
60°	383.7	387.8	405.4	422.9	439.8	457.4	452.0	446.6	440.5	435.1	434.4
62.5°	362.8	367.5	383.7	400.0	415.5	431.7	423.6	415.5	406.7	398.6	402.0
65°	336.5	341.2	348.6	356.0	362.8	370.2	369.6	369.6	368.9	368.2	375.0
67.5°	306.7	310.1	314.8	318.9	323.6	327.7	330.4	333.7	336.5	339.2	347.3
70°	275.0	278.3	283.1	287.1	291.9	295.9	299.3	302.7	305.4	308.8	316.9
72.5°	242.5	245.9	250.6	255.4	259.4	264.2	266.9	269.6	271.6	274.3	281.1
75°	208.1	212.1	216.9	220.9	225.7	229.7	231.7	233.8	235.8	237.8	243.9
77.5°	173.0	177.7	182.4	187.1	191.9	196.6	197.3	198.0	198.6	199.3	204.7
80°	135.8	141.9	146.6	151.3	156.1	160.8	160.8	160.8	160.8	160.8	163.5
82.5°	96.6	102.0	107.4	112.2	117.6	122.3	122.3	121.6	121.6	120.9	120.9
85°	55.4	60.1	63.5	67.6	70.9	74.3	74.3	74.3	73.6	73.6	72.3
87.5°	8.8	11.5	12.8	14.9	16.2	17.6	16.9	16.9	16.2	15.5	13.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368328
 CATALOG NUMBER: MSA-SA4B-727-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: P368328

CATALOG NUMBER: MSA-SA4B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1
2.5°	1555.9	1572.8	1589.7	1587.0	1584.3	1581.6	1578.9	1589.0	1598.5	1608.6	1618.1
5°	1582.9	1593.1	1602.5	1610.0	1617.4	1624.8	1632.3	1666.7	1700.5	1735.0	1768.7
7.5°	1417.4	1414.0	1411.3	1443.1	1475.5	1507.3	1539.0	1582.9	1626.9	1670.8	1714.7
10°	1346.5	1353.9	1361.3	1374.2	1387.7	1400.5	1413.4	1456.6	1499.8	1543.1	1586.3
12.5°	1416.7	1458.6	1499.8	1510.0	1520.8	1530.9	1541.1	1549.8	1558.6	1566.7	1575.5
15°	1303.2	1349.2	1395.1	1421.5	1447.8	1473.5	1499.8	1566.1	1631.6	1697.8	1763.3
17.5°	1126.9	1179.6	1231.6	1296.5	1361.3	1426.2	1491.1	1551.9	1612.7	1672.8	1733.6
20°	951.3	1020.2	1089.8	1160.7	1231.0	1301.9	1372.2	1431.6	1491.1	1549.8	1609.3
22.5°	783.7	840.5	896.5	983.0	1068.8	1155.3	1241.1	1351.9	1462.0	1572.8	1682.9
25°	702.6	747.2	791.1	880.3	969.5	1058.0	1147.2	1291.1	1434.3	1578.2	1721.4
27.5°	674.3	689.8	705.3	786.4	866.8	947.9	1028.3	1183.7	1339.1	1493.8	1649.2
30°	665.5	670.9	676.3	739.8	803.3	866.8	930.3	1083.7	1237.7	1391.1	1544.4
32.5°	561.4	573.6	585.1	647.2	708.7	770.9	832.3	987.1	1141.1	1295.8	1449.9
35°	514.8	528.3	541.8	602.6	663.4	723.6	784.4	947.2	1110.7	1273.5	1436.3
37.5°	505.4	515.5	525.6	594.5	663.4	732.4	801.3	966.1	1131.0	1295.8	1460.7
40°	500.6	508.1	515.5	582.4	649.9	716.8	783.7	956.7	1128.9	1301.9	1474.2
42.5°	506.7	515.5	523.6	584.4	644.5	705.3	765.5	944.5	1122.9	1301.9	1480.3
45°	512.1	521.6	530.4	587.1	643.9	700.6	757.4	948.6	1139.1	1330.3	1520.8
47.5°	524.9	527.0	528.3	577.6	626.3	675.6	724.2	918.8	1113.4	1307.3	1501.9
50°	535.8	525.6	514.8	566.2	616.8	668.2	718.8	903.3	1087.7	1271.5	1455.9
52.5°	518.9	503.3	488.5	543.9	599.3	654.0	709.4	893.8	1078.9	1263.4	1447.8
55°	493.2	477.7	462.1	518.2	574.3	630.3	686.4	870.2	1054.6	1238.4	1422.2
57.5°	467.5	457.4	447.3	493.2	539.8	585.8	631.7	831.0	1029.6	1228.9	1427.6
60°	433.7	432.4	431.7	467.5	504.0	539.8	575.6	770.9	965.4	1160.7	1355.3
62.5°	404.7	408.1	410.8	439.8	468.9	497.2	526.3	714.8	904.0	1092.5	1280.9
65°	382.4	389.1	395.9	429.0	462.1	494.5	527.6	685.7	843.8	1001.9	1160.0
67.5°	355.4	363.5	371.6	414.8	458.1	501.3	544.5	674.9	805.3	935.7	1066.1
70°	324.3	332.4	339.8	395.2	450.0	505.4	560.1	675.6	791.8	907.3	1022.9
72.5°	287.8	294.6	301.3	360.8	420.2	479.7	539.1	637.1	735.1	832.3	930.3
75°	250.6	256.7	262.8	314.2	365.5	416.8	468.2	543.9	618.9	694.5	769.5
77.5°	209.4	214.8	219.6	254.0	288.5	322.9	357.4	415.5	472.9	531.0	588.5
80°	166.2	168.9	171.6	191.9	211.5	231.7	251.3	289.8	328.3	366.2	404.7
82.5°	121.6	121.6	121.6	134.4	148.0	160.8	173.6	193.2	212.1	231.7	250.6
85°	70.9	68.9	67.6	76.3	85.1	93.9	102.7	110.8	118.9	127.0	135.1
87.5°	11.5	8.8	6.8	12.2	17.6	23.0	28.4	31.1	34.5	37.2	39.9
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: P368328
 CATALOG NUMBER: MSA-SA4B-727-U-SLR

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: P368328

CATALOG NUMBER: MSA-SA4B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1
2.5°	1595.1	1572.8	1549.8	1526.9	1560.6	1594.4	1628.2	1662.0	1751.8	1805.2	1808.6
5°	1797.1	1825.5	1853.9	1882.2	1910.6	1939.0	1966.7	1995.1	2141.0	2230.9	2247.7
7.5°	1761.3	1808.6	1855.2	1901.8	1982.2	2062.6	2143.0	2223.4	2347.1	2436.2	2495.0
10°	1644.4	1702.5	1760.6	1818.7	1914.0	2009.9	2105.2	2200.4	2331.5	2449.1	2505.1
12.5°	1668.1	1760.6	1852.5	1945.1	2027.5	2110.6	2193.0	2275.4	2366.0	2410.6	2512.6
15°	1827.5	1891.7	1955.9	2020.1	2144.4	2268.0	2392.3	2516.0	2567.3	2669.3	2761.2
17.5°	1851.8	1969.4	2087.6	2205.2	2357.2	2509.2	2661.2	2813.2	2908.5	3040.2	3151.0
20°	1776.2	1942.4	2109.2	2275.4	2471.4	2668.0	2863.9	3059.8	3180.8	3291.6	3463.2
22.5°	1866.7	2050.5	2233.6	2417.3	2677.4	2936.9	3197.0	3456.4	3709.1	3956.3	4072.6
25°	1966.7	2212.6	2457.9	2703.1	3028.1	3352.4	3677.3	4001.6	4326.6	4558.3	4692.1
27.5°	1896.4	2143.0	2390.3	2636.9	3038.9	3441.5	3843.5	4245.5	4593.4	4872.5	4987.3
30°	1847.1	2149.8	2452.4	2755.1	3226.7	3698.3	4169.8	4641.4	4963.0	5274.5	5443.4
32.5°	1838.3	2226.8	2614.6	3003.1	3552.3	4100.9	4650.2	5198.8	5412.3	5688.6	5916.3
35°	1862.6	2289.6	2715.9	3142.2	3771.9	4401.6	5030.6	5660.2	5963.6	6237.2	6436.5
37.5°	1937.0	2413.3	2888.9	3365.2	4123.9	4883.3	5642.0	6400.7	6909.4	7410.0	7499.2
40°	1978.8	2484.2	2988.9	3493.6	4375.9	5258.2	6140.6	7022.9	7608.0	8157.3	8194.4
42.5°	2028.2	2576.1	3123.3	3671.2	4649.5	5628.5	6606.8	7585.0	8309.3	8899.8	8917.3
45°	2084.9	2648.4	3212.5	3776.0	4797.5	5818.3	6839.8	7860.7	8736.3	9453.8	9278.8
47.5°	2107.2	2713.2	3318.6	3923.9	5013.0	6101.4	7190.5	8278.9	9064.6	9717.2	9549.7
50°	2116.0	2776.7	3436.8	4096.9	5225.1	6354.1	7482.3	8610.6	9409.8	10046.3	9789.5
52.5°	2170.7	2893.6	3616.5	4339.4	5515.0	6690.5	7866.1	9041.6	9828.0	10439.5	10120.6
55°	2244.4	3066.6	3888.1	4710.3	5927.1	7143.2	8359.9	9576.0	10365.1	10934.0	10538.8
57.5°	2312.6	3198.3	4083.4	4968.4	6229.1	7490.4	8751.1	10011.8	10811.0	11373.8	10990.8
60°	2279.5	3203.7	4128.0	5052.2	6291.2	7529.6	8768.7	10007.1	10914.4	11589.3	11393.4
62.5°	2179.5	3078.1	3975.9	4874.5	6050.7	7226.3	8402.5	9578.1	10640.1	11505.6	11496.8
65°	1987.0	2813.9	3640.2	4467.1	5555.5	6644.6	7733.0	8821.4	10073.3	11124.5	11192.8
67.5°	1752.5	2438.9	3125.4	3811.8	4836.7	5861.6	6886.5	7911.3	9249.7	10409.7	10468.5
70°	1525.5	2028.8	2531.5	3034.1	3934.1	4834.0	5733.2	6633.1	7985.0	9158.5	9212.6
72.5°	1259.3	1588.3	1916.7	2245.7	2974.7	3703.7	4432.0	5161.0	6348.0	7250.6	7555.3
75°	964.8	1160.0	1355.3	1550.5	2140.3	2730.1	3319.3	3909.1	4698.2	5364.3	5707.5
77.5°	689.8	791.1	892.5	993.8	1495.1	1996.4	2497.0	2998.3	3413.2	3790.8	4022.6
80°	452.7	499.9	547.9	595.2	1012.1	1428.9	1845.1	2261.9	2514.6	2717.3	2834.2
82.5°	274.3	297.9	320.9	344.6	682.4	1020.2	1357.3	1695.1	1839.7	1936.3	2040.3
85°	148.0	160.8	173.6	186.5	403.3	619.5	836.4	1052.6	1066.8	1078.3	1233.0
87.5°	43.2	47.3	50.7	54.0	89.2	125.0	160.1	195.3	121.6	75.7	155.4
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



REPORT NUMBER: P368328
 CATALOG NUMBER: MSA-SA4B-727-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: P368328

CATALOG NUMBER: MSA-SA4B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1
2.5°	1789.0	1780.2	1771.4	1762.0	1753.2	1716.0	1679.6	1642.4	1605.2	1641.0	1676.2
5°	2228.1	2255.2	2281.5	2308.5	2335.6	2337.6	2338.9	2341.0	2342.3	2349.1	2355.8
7.5°	2544.3	2592.3	2639.6	2687.6	2735.5	2772.7	2809.8	2847.7	2884.8	2851.1	2817.3
10°	2571.4	2672.7	2774.0	2875.4	2976.7	2995.0	3012.5	3030.8	3049.0	3073.3	3097.0
12.5°	2598.4	2722.0	2845.0	2968.6	3092.2	3146.3	3199.7	3253.7	3307.1	3333.4	3359.1
15°	2884.2	2957.1	3029.4	3102.4	3174.7	3211.8	3248.3	3285.5	3322.6	3344.9	3366.5
17.5°	3251.7	3278.7	3305.1	3332.1	3359.1	3384.1	3409.1	3434.1	3459.1	3463.2	3467.2
20°	3586.8	3592.2	3596.9	3602.3	3607.1	3554.4	3502.3	3449.6	3396.9	3406.4	3415.2
22.5°	4089.4	4059.7	4030.7	4000.9	3971.9	3872.6	3773.9	3674.6	3576.0	3533.4	3491.5
25°	4846.1	4770.5	4694.8	4619.1	4543.4	4385.4	4227.9	4069.9	3912.4	3819.9	3728.0
27.5°	5090.0	4925.2	4761.0	4596.1	4431.3	4311.7	4192.8	4073.2	3954.3	3807.7	3661.1
30°	5583.2	5323.1	5063.7	4803.6	4543.4	4427.9	4312.4	4196.2	4080.7	3930.7	3781.4
32.5°	6020.3	5750.1	5479.8	5208.9	4938.7	4719.8	4500.9	4282.0	4063.1	3961.8	3860.4
35°	6526.4	6186.5	5846.7	5506.9	5167.0	4979.2	4792.1	4604.3	4417.1	4263.7	4111.1
37.5°	7263.4	6902.0	6540.5	6178.4	5817.0	5562.9	5309.6	5055.6	4802.2	4717.8	4634.0
40°	7966.1	7539.1	7112.8	6685.8	6259.5	6064.9	5870.3	5675.1	5480.5	5338.0	5195.4
42.5°	8554.5	8132.3	7710.7	7288.4	6866.9	6725.0	6583.8	6441.9	6300.7	6183.1	6065.6
45°	8756.5	8412.0	8068.1	7723.5	7379.0	7329.0	7279.7	7229.7	7180.3	7093.2	7006.0
47.5°	9081.5	8730.2	8379.5	8028.2	7676.9	7695.2	7713.4	7732.3	7750.6	7755.3	7759.3
50°	9272.7	8938.9	8605.9	8272.1	7939.0	8027.5	8115.4	8203.9	8292.4	8493.0	8693.0
52.5°	9551.7	9224.0	8897.1	8569.4	8241.7	8391.7	8541.0	8691.0	8840.3	9121.4	9402.4
55°	9901.7	9588.2	9275.4	8961.9	8649.1	8795.0	8940.3	9086.2	9231.5	9544.3	9857.1
57.5°	10365.8	10030.0	9694.9	9359.2	9024.1	9158.5	9292.3	9426.7	9560.5	9857.8	10155.0
60°	10894.1	10529.3	10164.5	9799.0	9434.2	9471.3	9507.8	9545.0	9581.4	9903.7	10225.3
62.5°	11153.6	10815.8	10478.6	10140.8	9803.0	9699.7	9596.3	9492.3	9388.9	9677.4	9965.2
65°	10928.6	10696.2	10464.5	10232.1	9999.6	9817.2	9635.5	9453.1	9270.7	9451.1	9630.8
67.5°	10212.5	10080.7	9949.6	9817.9	9686.2	9380.1	9074.1	8767.3	8461.3	8473.4	8484.9
70°	9051.8	9016.6	8982.2	8947.0	8911.9	8451.8	7992.4	7532.3	7072.2	7002.0	6931.7
72.5°	7581.0	7603.9	7626.2	7649.2	7672.2	7177.6	6683.1	6188.6	5694.0	5577.1	5460.2
75°	5871.7	5998.7	6125.7	6253.4	6380.4	5907.5	5434.6	4961.0	4488.1	4344.1	4200.2
77.5°	4148.9	4386.0	4622.5	4859.6	5096.8	4669.1	4242.1	3814.5	3386.8	3293.6	3200.3
80°	2892.9	3009.1	3125.4	3241.6	3357.8	3142.9	2928.1	2713.2	2498.4	2524.1	2549.1
82.5°	2107.2	2134.2	2160.6	2187.6	2214.6	2126.8	2039.0	1950.5	1862.6	1929.5	1996.4
85°	1349.9	1446.5	1542.4	1639.0	1735.0	1637.7	1540.4	1442.4	1345.1	1389.7	1434.3
87.5°	302.0	477.7	653.3	829.6	1005.3	910.7	816.8	722.2	627.6	585.1	543.2
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: P368328
 CATALOG NUMBER: MSA-SA4B-727-U-SLR

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: P368328

CATALOG NUMBER: MSA-SA4B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1
2.5°	1712.0	1747.8	1737.0	1726.8	1716.0	1705.2	1724.8	1744.4	1764.7	1784.3	1777.5
5°	2363.3	2370.0	2305.8	2242.3	2178.2	2114.0	2153.8	2193.7	2233.6	2273.4	2259.2
7.5°	2783.5	2749.7	2712.6	2675.4	2637.6	2600.4	2592.3	2584.2	2575.4	2567.3	2556.5
10°	3121.3	3144.9	3120.6	3097.0	3072.7	3048.3	2991.6	2934.8	2877.4	2820.7	2797.0
12.5°	3385.5	3411.8	3417.9	3423.3	3429.4	3435.5	3371.9	3309.1	3245.6	3182.1	3124.7
15°	3388.8	3411.1	3430.7	3449.6	3469.2	3488.2	3449.0	3410.5	3371.3	3332.1	3313.8
17.5°	3471.9	3476.0	3459.8	3444.2	3428.0	3412.5	3396.9	3382.1	3366.5	3351.7	3322.6
20°	3424.6	3434.1	3432.1	3430.1	3427.3	3425.3	3426.7	3427.3	3428.7	3429.4	3413.2
22.5°	3449.0	3406.4	3415.2	3423.3	3432.1	3440.2	3464.5	3488.8	3513.8	3538.1	3603.0
25°	3635.4	3542.9	3528.7	3515.2	3501.0	3487.5	3551.0	3613.8	3677.3	3740.8	3846.2
27.5°	3513.8	3367.2	3334.8	3302.4	3269.9	3237.5	3334.1	3430.1	3526.7	3623.3	3730.7
30°	3631.4	3482.1	3410.5	3338.8	3266.6	3194.9	3287.5	3379.4	3471.9	3563.8	3682.7
32.5°	3759.1	3657.7	3609.8	3562.5	3514.5	3467.2	3474.6	3482.1	3489.5	3496.9	3664.5
35°	3957.7	3804.3	3757.0	3709.8	3662.5	3615.2	3694.2	3772.6	3851.6	3930.0	4071.9
37.5°	4549.5	4465.1	4380.0	4294.8	4209.0	4123.9	4170.5	4217.1	4263.7	4310.4	4444.1
40°	5052.9	4910.3	4896.1	4882.6	4868.4	4854.2	4858.3	4861.7	4865.7	4869.8	4983.9
42.5°	5947.4	5829.8	5757.5	5685.2	5612.9	5540.6	5535.9	5531.2	5525.8	5521.1	5606.9
45°	6918.2	6831.1	6777.0	6723.0	6668.2	6614.2	6528.4	6442.6	6356.1	6270.3	6345.3
47.5°	7764.1	7768.8	7866.8	7964.0	8062.0	8160.0	8013.4	7866.8	7720.1	7573.5	7476.9
50°	8893.7	9093.7	9117.3	9140.3	9163.9	9187.6	8938.9	8691.0	8442.4	8193.7	8092.4
52.5°	9684.1	9965.2	9928.7	9892.9	9856.4	9819.9	9676.0	9532.8	9388.9	9245.0	9024.1
55°	10170.6	10483.4	10455.7	10428.7	10401.0	10373.3	10268.5	10163.8	10059.1	9954.4	9711.8
57.5°	10452.3	10749.6	10757.7	10765.8	10773.9	10782.0	10754.3	10726.6	10698.9	10671.2	10355.7
60°	10547.6	10869.8	10873.2	10875.9	10879.3	10882.0	10838.1	10794.2	10749.6	10705.7	10499.6
62.5°	10253.7	10541.5	10554.3	10566.5	10579.3	10592.1	10561.7	10531.3	10500.9	10470.5	10317.9
65°	9811.1	9991.5	9994.9	9997.6	10001.0	10004.4	9927.4	9851.0	9774.0	9697.0	9660.5
67.5°	8497.1	8509.3	8580.9	8652.5	8724.1	8795.7	8801.8	8807.9	8814.6	8820.7	8768.0
70°	6861.5	6791.2	6868.9	6946.6	7024.3	7102.0	7135.1	7168.2	7202.0	7235.1	7259.4
72.5°	5342.7	5225.8	5283.2	5340.7	5398.8	5456.2	5406.9	5357.6	5308.2	5258.9	5415.0
75°	4056.3	3912.4	3905.0	3898.2	3890.8	3884.1	3859.1	3834.1	3808.4	3783.4	3929.3
77.5°	3106.4	3013.2	3017.9	3022.0	3026.7	3030.8	3005.1	2980.1	2954.4	2928.8	2984.8
80°	2574.7	2599.7	2600.4	2601.1	2601.8	2602.4	2578.1	2554.5	2530.1	2505.8	2465.3
82.5°	2064.0	2130.9	2130.2	2130.2	2129.5	2128.8	2127.5	2126.1	2124.1	2122.8	2056.5
85°	1478.9	1523.5	1477.6	1431.6	1385.7	1339.7	1373.5	1407.3	1441.7	1475.5	1447.8
87.5°	500.6	458.7	404.0	350.0	295.2	240.5	299.3	358.1	417.5	476.3	510.1
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: P368328
 CATALOG NUMBER: MSA-SA4B-727-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: P368328

CATALOG NUMBER: MSA-SA4B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1
2.5°	1771.4	1764.7	1758.6	1716.0	1672.8	1630.2	1587.0	1665.4	1744.4	1822.8	1901.2
5°	2245.7	2231.5	2218.0	2214.6	2211.3	2207.2	2203.8	2243.7	2283.5	2322.7	2362.6
7.5°	2545.7	2534.9	2524.1	2495.7	2468.0	2439.6	2411.2	2435.6	2459.2	2483.5	2507.2
10°	2774.0	2750.4	2726.7	2665.3	2604.5	2543.0	2481.5	2463.3	2445.0	2426.8	2408.5
12.5°	3067.3	3009.1	2951.7	2882.1	2811.9	2742.3	2672.0	2662.6	2653.1	2644.3	2634.9
15°	3296.3	3278.0	3259.8	3204.4	3149.0	3093.6	3038.2	2963.9	2888.9	2814.6	2740.3
17.5°	3294.3	3265.2	3236.8	3311.1	3384.8	3459.1	3532.7	3453.7	3374.0	3294.9	3215.9
20°	3396.9	3380.1	3363.8	3501.0	3637.5	3774.6	3911.1	3867.8	3823.9	3780.7	3736.8
22.5°	3667.2	3732.0	3796.2	3913.8	4030.7	4148.2	4265.1	4314.4	4363.7	4413.1	4462.4
25°	3950.9	4056.3	4161.7	4336.7	4511.0	4686.0	4861.0	4896.1	4931.2	4966.4	5001.5
27.5°	3837.4	3944.9	4052.3	4184.7	4316.4	4448.9	4580.6	4734.6	4889.4	5043.4	5197.4
30°	3801.0	3919.9	4038.1	4219.8	4400.9	4582.6	4764.4	4976.5	5188.7	5400.1	5612.3
32.5°	3831.4	3998.9	4166.5	4412.4	4657.6	4903.5	5149.5	5372.4	5596.0	5819.0	6041.9
35°	4213.1	4355.0	4496.2	4771.1	5046.1	5321.1	5596.0	5857.5	6119.0	6379.7	6641.2
37.5°	4577.2	4711.0	4844.8	5125.8	5406.2	5687.3	5968.3	6381.1	6794.6	7207.4	7620.2
40°	5097.4	5211.6	5325.1	5565.6	5806.2	6046.7	6287.2	6785.1	7283.0	7781.0	8278.9
42.5°	5692.0	5777.8	5862.9	6112.2	6361.5	6610.8	6860.1	7401.9	7944.5	8486.3	9028.1
45°	6419.6	6494.6	6569.6	6741.2	6912.8	7085.1	7256.7	7815.4	8374.1	8932.9	9491.6
47.5°	7380.3	7283.7	7187.1	7271.5	7356.0	7440.4	7524.9	8077.5	8630.2	9182.2	9734.8
50°	7991.1	7889.7	7788.4	7795.8	7802.6	7810.0	7817.4	8332.9	8848.4	9363.2	9878.7
52.5°	8803.1	8581.5	8360.6	8358.6	8356.6	8353.9	8351.8	8801.1	9251.1	9700.3	10149.6
55°	9469.3	9226.8	8984.2	8936.9	8889.6	8841.7	8794.4	9238.9	9682.8	10127.3	10571.2
57.5°	10040.2	9724.0	9408.5	9334.2	9259.9	9185.5	9111.2	9590.2	10069.9	10548.9	11027.9
60°	10294.2	10088.1	9882.8	9791.6	9700.3	9609.1	9517.9	9926.0	10334.1	10741.5	11149.5
62.5°	10165.8	10013.2	9861.1	9882.1	9903.0	9924.0	9944.9	10178.0	10411.8	10644.8	10877.9
65°	9624.7	9588.2	9552.4	9721.3	9890.2	10059.1	10228.0	10231.4	10234.8	10238.1	10241.5
67.5°	8715.3	8662.6	8609.9	8961.2	9311.9	9663.2	10014.5	9847.6	9680.8	9514.6	9347.7
70°	7283.0	7307.4	7331.0	7809.3	8287.0	8765.3	9243.6	9001.8	8759.2	8517.4	8274.8
72.5°	5571.0	5727.8	5883.9	6379.7	6875.6	7371.5	7867.4	7591.1	7314.1	7037.8	6760.8
75°	4075.3	4221.2	4367.1	4856.9	5346.7	5837.2	6327.0	5998.7	5670.4	5342.7	5014.3
77.5°	3040.9	3097.7	3153.7	3561.1	3967.8	4375.2	4781.9	4452.2	4122.5	3793.5	3463.8
80°	2425.4	2384.9	2345.0	2570.7	2796.3	3022.0	3247.6	3013.9	2779.4	2545.7	2311.9
82.5°	1991.0	1924.8	1859.3	1943.0	2026.8	2111.3	2195.0	2007.9	1820.8	1633.6	1446.5
85°	1420.1	1392.4	1364.7	1389.0	1412.7	1437.0	1461.3	1278.9	1096.5	914.8	732.4
87.5°	543.2	577.0	610.7	649.3	687.1	725.6	763.4	597.9	432.4	267.5	102.0
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: P368328
 CATALOG NUMBER: MSA-SA4B-727-U-SLR

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: P368328
 CATALOG NUMBER: MSA-SA4B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1468.1	1468.1
2.5°	1933.6	1966.0
5°	2361.9	2361.2
7.5°	2496.4	2484.9
10°	2378.8	2349.1
12.5°	2547.0	2458.5
15°	2652.4	2563.9
17.5°	3082.8	2949.0
20°	3578.0	3418.6
22.5°	4219.8	3977.3
25°	4711.7	4421.2
27.5°	5025.2	4852.2
30°	5414.3	5216.4
32.5°	5896.0	5749.4
35°	6507.4	6373.0
37.5°	7578.3	7535.7
40°	8228.2	8176.9
42.5°	9030.1	9031.5
45°	9522.0	9552.4
47.5°	9811.8	9888.2
50°	10042.9	10206.4
52.5°	10373.3	10596.9
55°	10868.5	11165.1
57.5°	11280.6	11533.3
60°	11280.6	11411.0
62.5°	10874.6	10870.5
65°	10178.7	10115.2
67.5°	9268.0	9188.2
70°	8150.5	8025.5
72.5°	6606.1	6450.7
75°	4801.5	4588.0
77.5°	3362.5	3260.5
80°	2361.2	2410.6
82.5°	1516.7	1587.0
85°	721.5	710.7
87.5°	85.1	68.2
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: P368328
CATALOG NUMBER: MSA-SA4B-727-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)