

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: P368262

Luminaire Tested: **MSA-SA4A-750-U-SLR**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P368262
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-SA4A-750-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: 13281 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

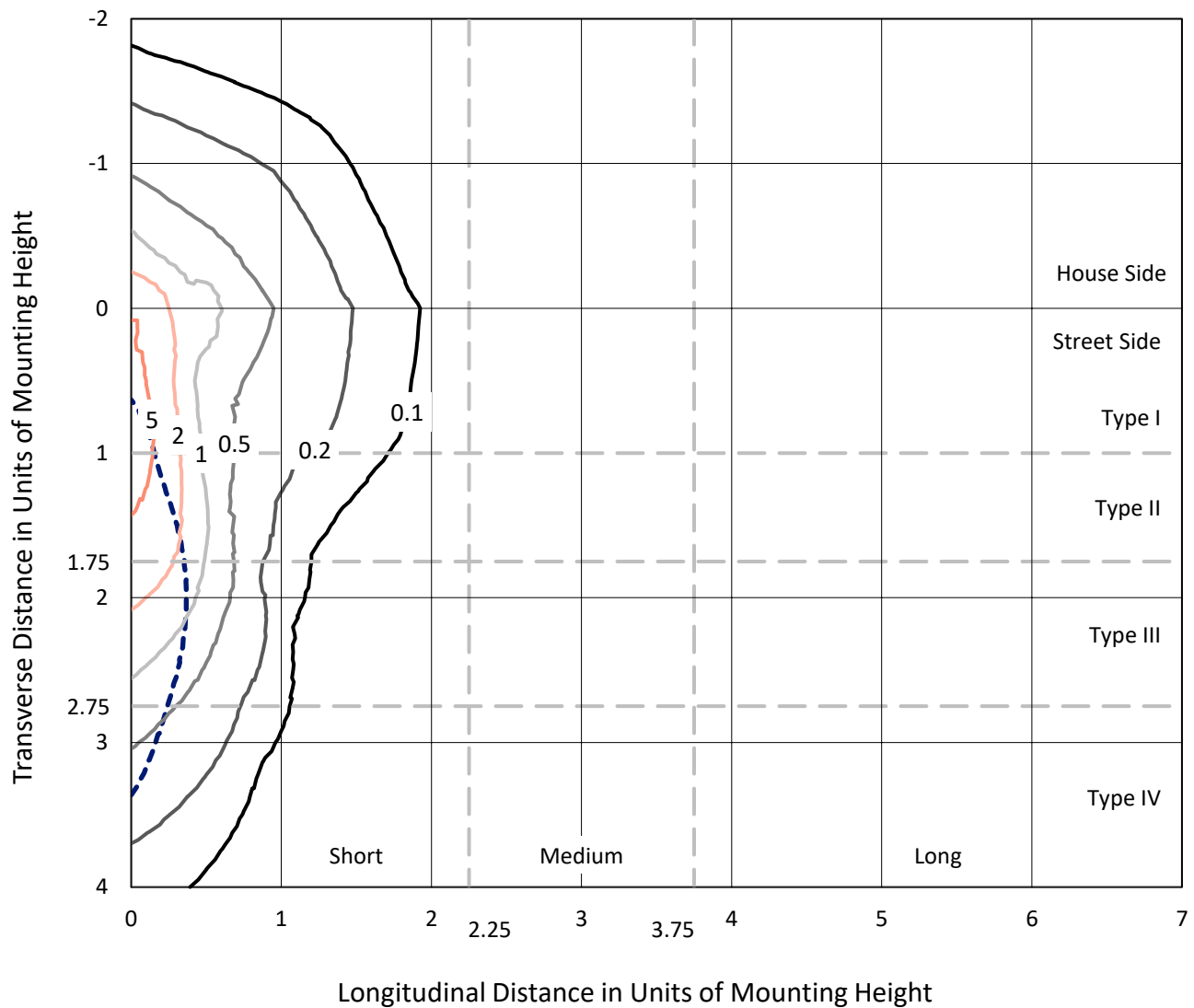
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

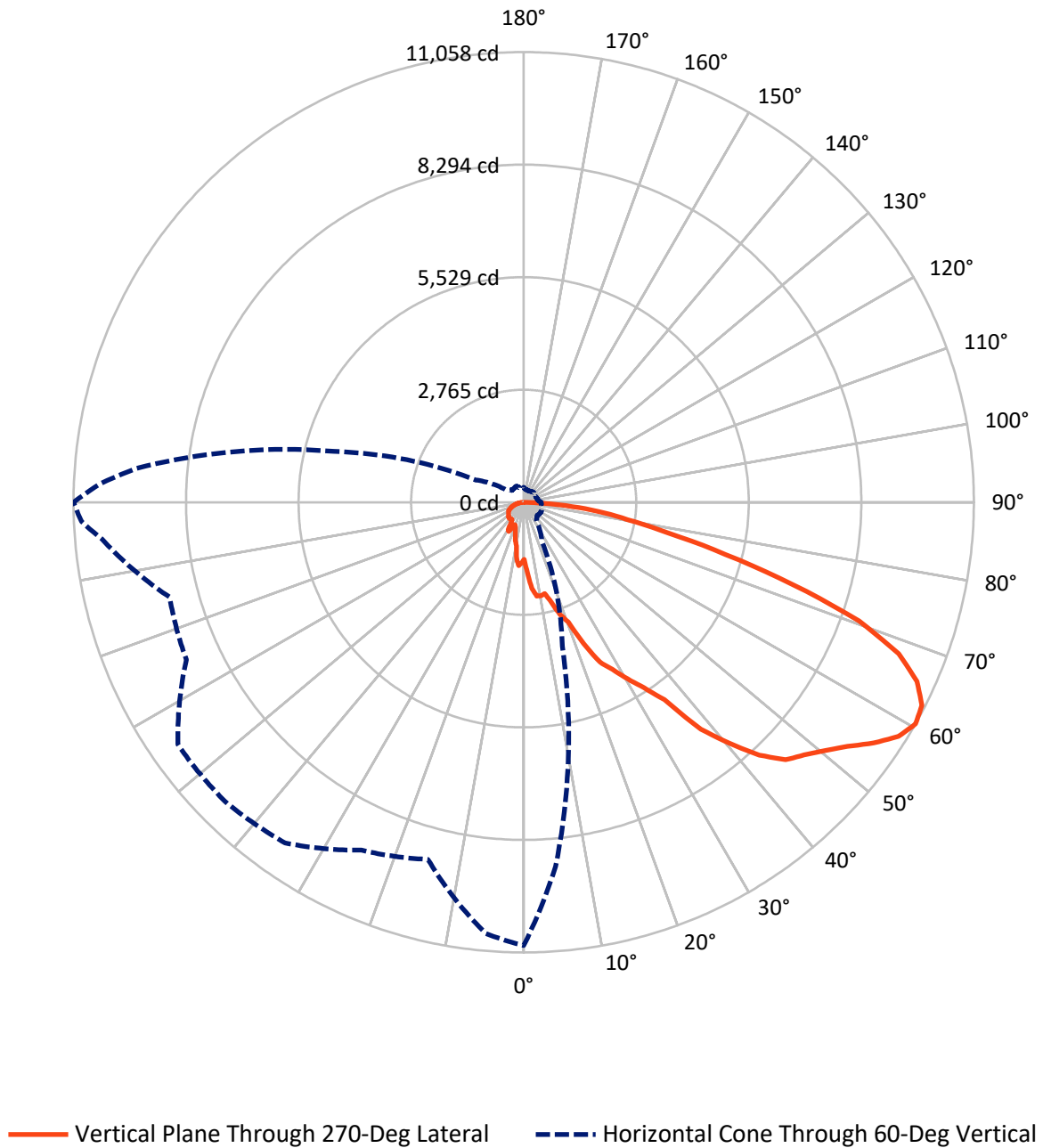
× Max cd
 --- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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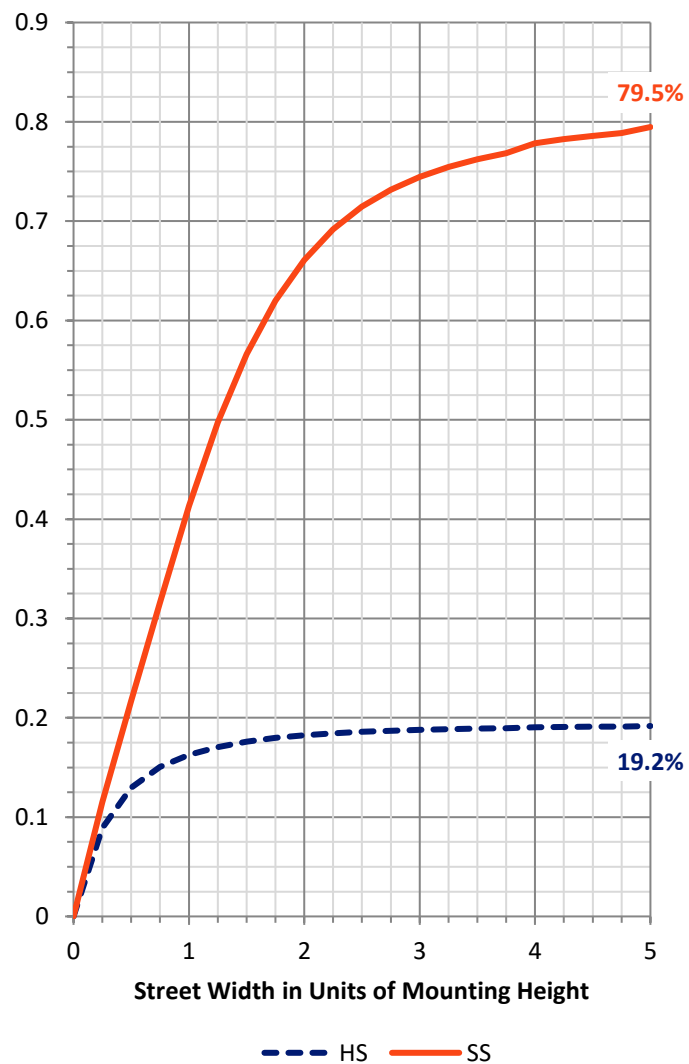
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2572.3	0.0	2572.3
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	10708.7	0.0	10708.7
	% Fixture	80.6	0.0	80.6
Total	Lumens	13281.0	0.0	13281.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.6	1.2
10°-20°	466.7	3.5
20°-30°	823.8	6.2
30°-40°	1283.0	9.7
40°-50°	2112.3	15.9
50°-60°	3015.0	22.7
60°-70°	3197.0	24.1
70°-80°	1765.8	13.3
80°-90°	456.9	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°	13281.0	100.0
0°-180°	13281.0	100.0

Coefficient of Utilization



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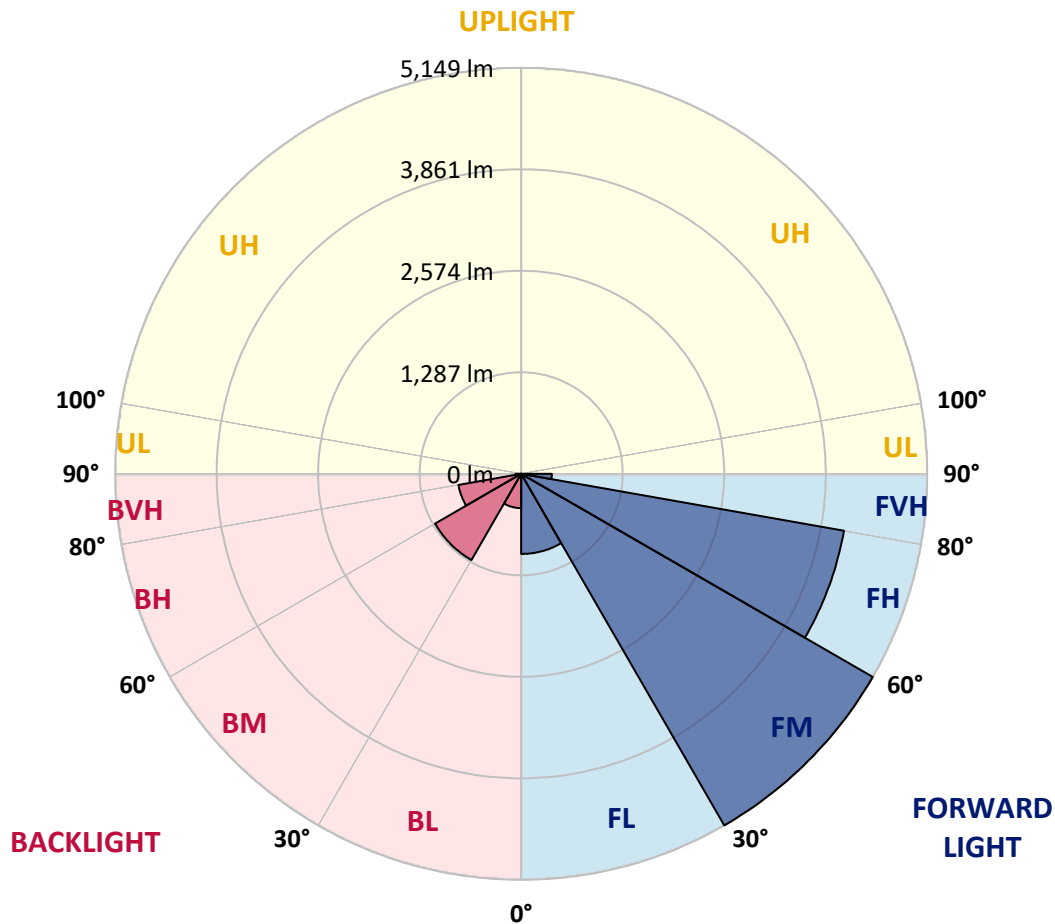
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1016.2	7.7			
FM	(30°-60°)	5148.6	38.8			
FH	(60°-80°)	4155.7	31.3			G2/5000
FVH	(80°-90°)	388.3	2.9			G3/500
BL	(0°-30°)	434.8	3.3	B1/500		
BM	(30°-60°)	1261.8	9.5	B2/2500		
BH	(60°-80°)	807.1	6.1	B2/1000		G2/1000
BVH	(80°-90°)	68.6	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°	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1875.9	1887.5	1898.5	1876.5	1854.6	1832.1	1810.1	1777.3	1743.7	1710.9	1677.3
5°	2253.0	2210.5	2167.3	2149.9	2133.1	2115.7	2098.3	2082.2	2066.1	2049.3	2033.2
7.5°	2371.0	2310.4	2249.1	2223.4	2197.6	2171.1	2145.4	2087.3	2029.3	1970.7	1912.6
10°	2241.4	2178.2	2114.4	2089.3	2063.5	2038.3	2012.6	1941.7	1871.4	1800.5	1729.6
12.5°	2345.8	2281.4	2216.3	2136.3	2056.4	1975.8	1895.9	1856.6	1817.2	1777.3	1737.9
15°	2446.4	2359.4	2271.7	2191.8	2111.8	2031.3	1951.3	1872.7	1794.0	1715.4	1636.7
17.5°	2813.8	2668.8	2523.8	2379.4	2234.3	2089.9	1944.9	1854.0	1762.4	1671.5	1580.0
20°	3261.9	3060.1	2857.7	2638.5	2418.7	2199.5	1979.7	1864.9	1750.8	1636.1	1521.3
22.5°	3795.0	3540.4	3285.7	3009.2	2732.6	2455.4	2178.9	2012.6	1846.2	1679.3	1513.0
25°	4218.5	3973.6	3728.6	3377.9	3027.2	2676.5	2325.9	2137.0	1948.1	1758.6	1569.7
27.5°	4629.8	4239.8	3849.1	3447.5	3046.6	2645.0	2243.3	2068.6	1893.9	1719.3	1544.6
30°	4977.3	4667.8	4358.4	3834.3	3310.2	2785.5	2261.4	2046.7	1832.1	1617.4	1402.7
32.5°	5485.9	5044.3	4602.1	4055.4	3508.8	2962.1	2415.5	2140.8	1866.2	1591.6	1317.0
35°	6080.9	5621.9	5162.9	4486.7	3811.1	3134.9	2458.7	2167.9	1876.5	1585.8	1294.4
37.5°	7190.3	6381.3	5571.6	4833.5	4095.4	3356.6	2618.5	2280.7	1942.9	1604.5	1266.7
40°	7802.1	7054.3	6306.5	5386.6	4466.7	3546.2	2626.3	2280.7	1934.6	1589.0	1242.9
42.5°	8617.5	7671.8	6725.5	5730.8	4736.8	3742.1	2747.4	2364.5	1981.6	1598.1	1215.1
45°	9114.5	8060.6	7005.9	5942.9	4879.9	3816.9	2753.9	2365.2	1976.5	1587.7	1199.0
47.5°	9434.9	8422.8	7410.1	6265.9	5121.7	3976.8	2832.5	2420.0	2006.8	1594.2	1181.0
50°	9738.6	8736.1	7733.1	6545.0	5357.6	4169.5	2981.5	2530.9	2080.2	1629.0	1178.4
52.5°	10111.2	9188.0	8264.3	6989.8	5714.7	4440.3	3165.2	2674.6	2184.0	1693.5	1202.9
55°	10653.3	9743.7	8833.5	7465.6	6097.0	4729.1	3360.5	2815.8	2271.7	1727.0	1182.3
57.5°	11004.6	10082.1	9159.7	7764.7	6369.7	4974.0	3579.0	2975.7	2372.3	1768.2	1164.9
60°	10887.9	9936.5	8984.3	7654.4	6324.5	4994.7	3664.8	3013.0	2362.0	1710.2	1058.5
62.5°	10372.2	9360.8	8349.4	7158.1	5967.4	4776.1	3584.8	2922.1	2260.1	1597.4	934.7
65°	9651.5	8605.9	7559.7	6485.1	5410.5	4335.8	3261.2	2659.8	2057.7	1456.2	854.1
67.5°	8767.1	7677.0	6586.3	5634.8	4683.3	3731.2	2779.7	2276.9	1774.7	1271.9	769.1
70°	7657.7	6586.3	5514.9	4691.7	3868.5	3045.3	2222.1	1843.7	1465.9	1087.5	709.1
72.5°	6155.0	5230.6	4306.2	3658.3	3010.5	2362.6	1714.7	1451.7	1189.4	926.3	663.3
75°	4377.7	3834.3	3290.9	2786.8	2282.7	1777.9	1273.8	1103.6	933.4	763.3	593.1
77.5°	3111.0	2790.6	2470.3	2075.1	1679.9	1284.8	889.6	789.7	690.4	590.5	490.6
80°	2300.1	2032.5	1765.0	1467.2	1169.4	871.6	573.7	524.7	476.4	427.4	378.4
82.5°	1514.3	1393.7	1272.5	1036.6	800.6	564.7	328.8	310.7	292.7	274.6	256.6
85°	678.2	716.2	753.6	609.2	464.1	319.7	174.7	166.3	157.9	149.6	141.2
87.5°	65.1	96.1	127.0	108.9	90.2	72.2	53.5	52.9	52.9	52.2	51.6
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°	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1686.4	1695.4	1704.4	1713.4	1703.8	1694.1	1683.8	1674.1	1661.9	1649.6	1636.7
5°	2006.1	1978.4	1951.3	1923.6	1882.3	1841.1	1799.2	1757.9	1752.8	1747.0	1741.8
7.5°	1861.7	1811.4	1760.5	1709.6	1645.1	1581.3	1516.8	1452.4	1433.0	1413.7	1394.4
10°	1695.4	1660.6	1626.4	1591.6	1551.6	1511.7	1471.1	1431.1	1378.2	1324.7	1271.9
12.5°	1681.2	1624.5	1567.1	1510.4	1485.9	1461.4	1436.9	1412.4	1366.0	1319.6	1272.5
15°	1591.0	1544.6	1498.8	1452.4	1416.9	1381.5	1346.0	1310.5	1273.2	1235.1	1197.7
17.5°	1527.1	1474.3	1421.4	1368.6	1328.0	1287.3	1246.1	1205.5	1160.3	1114.6	1069.5
20°	1460.8	1400.8	1340.2	1279.6	1228.0	1177.1	1125.5	1074.0	1024.3	975.3	925.7
22.5°	1433.7	1354.4	1275.1	1195.8	1141.7	1086.9	1032.7	977.9	932.1	886.4	840.6
25°	1474.9	1380.8	1286.1	1191.3	1118.4	1045.0	972.1	898.6	860.6	822.6	783.9
27.5°	1426.6	1308.0	1190.0	1071.4	993.4	914.7	836.7	758.1	752.3	746.5	740.0
30°	1278.3	1153.9	1029.5	905.1	833.5	761.3	689.8	617.6	604.0	589.8	576.3
32.5°	1190.0	1063.0	936.0	809.0	745.2	680.7	616.9	552.5	537.0	521.5	506.0
35°	1156.5	1018.5	880.6	742.6	687.8	633.0	578.2	523.4	512.5	502.2	491.2
37.5°	1129.4	992.7	855.4	718.1	665.3	612.4	558.9	506.0	497.7	489.3	480.9
40°	1103.6	965.0	825.8	686.5	639.5	593.1	546.0	499.0	493.8	488.6	482.8
42.5°	1080.4	945.7	810.3	675.6	633.7	592.4	550.5	508.6	503.5	498.3	493.1
45°	1067.5	936.0	804.5	673.0	642.7	612.4	581.5	551.2	538.9	526.7	513.8
47.5°	1057.9	934.7	811.6	688.5	656.9	625.3	593.7	562.1	551.2	540.2	528.6
50°	1059.8	941.8	823.2	704.6	666.6	627.9	589.8	551.2	549.9	548.6	547.3
52.5°	1077.2	952.1	826.4	700.7	659.5	618.2	576.3	535.0	543.4	551.2	559.5
55°	1052.0	921.8	791.0	660.8	621.4	582.8	543.4	504.1	515.1	525.4	536.3
57.5°	1023.7	882.5	741.3	600.2	570.5	540.9	510.6	480.9	492.5	504.8	516.4
60°	929.6	800.6	671.7	542.8	522.8	502.8	482.8	462.9	468.0	473.2	478.3
62.5°	826.4	717.5	609.2	500.2	484.8	468.7	453.2	437.1	437.1	437.7	437.7
65°	760.7	667.2	573.7	480.3	462.9	445.4	427.4	410.0	407.4	404.8	402.3
67.5°	694.9	621.4	547.3	473.2	448.0	423.5	398.4	373.2	370.0	367.4	364.2
70°	643.3	577.6	511.8	446.1	417.7	390.0	361.6	333.3	330.7	328.8	326.2
72.5°	601.4	540.2	478.3	416.4	386.8	356.5	326.8	296.5	294.6	292.7	290.1
75°	538.3	484.1	429.3	374.5	345.5	317.2	288.2	259.1	256.6	254.6	252.1
77.5°	445.4	399.7	354.6	308.8	286.2	264.3	241.7	219.2	217.9	216.6	214.7
80°	342.9	307.5	271.4	235.9	221.1	205.6	190.8	175.3	174.7	174.1	172.8
82.5°	235.3	214.0	192.7	171.5	160.5	148.9	138.0	126.3	127.0	127.6	128.3
85°	134.1	126.3	119.3	111.5	102.5	94.1	85.1	76.1	78.0	79.9	81.2
87.5°	49.0	46.4	43.8	41.3	36.7	32.9	28.4	23.9	25.1	27.1	28.4
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: P368262

CATALOG NUMBER: MSA-SA4A-750-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: P368262

CATALOG NUMBER: MSA-SA4A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1624.5	1605.1	1585.8	1566.5	1547.1	1507.2	1467.8	1427.9	1387.9	1412.4	1437.5
5°	1736.0	1703.1	1669.6	1636.7	1603.2	1584.5	1565.8	1547.1	1528.4	1538.1	1548.4
7.5°	1375.0	1355.7	1335.7	1316.4	1296.4	1288.0	1280.3	1271.9	1263.5	1287.3	1311.2
10°	1218.4	1191.3	1164.2	1136.5	1109.4	1093.3	1077.2	1061.1	1045.0	1051.4	1057.9
12.5°	1226.1	1186.1	1146.2	1106.2	1066.2	1042.4	1018.5	994.7	970.8	976.6	982.4
15°	1159.7	1118.4	1077.2	1035.9	994.7	967.0	938.6	910.9	882.5	872.8	862.5
17.5°	1023.7	978.6	933.4	888.3	843.2	824.5	805.8	787.1	768.4	758.1	747.8
20°	876.1	834.2	792.3	750.4	708.5	695.6	682.7	669.1	656.2	649.8	642.7
22.5°	794.8	769.1	742.6	716.8	690.4	675.6	661.4	646.6	631.7	624.7	616.9
25°	745.8	751.0	756.8	762.0	767.1	760.7	753.6	747.1	740.0	742.6	744.6
27.5°	734.2	745.2	756.8	767.8	778.7	784.5	790.3	796.1	801.9	803.9	805.8
30°	562.1	567.9	573.1	578.9	584.0	600.2	616.3	631.7	647.9	673.0	698.8
32.5°	490.6	488.6	486.7	484.1	482.2	486.1	489.9	493.1	497.0	506.0	515.7
35°	480.3	475.7	470.6	466.1	460.9	462.9	464.8	466.7	468.7	475.7	482.8
37.5°	472.5	470.6	469.3	467.4	465.4	469.9	473.8	478.3	482.2	488.0	493.8
40°	477.7	477.0	476.4	475.1	474.5	477.0	479.6	482.2	484.8	492.5	500.2
42.5°	488.0	488.0	487.3	487.3	486.7	489.3	491.2	493.8	495.7	500.2	504.8
45°	501.5	500.2	499.6	498.3	497.0	496.4	496.4	495.7	495.1	497.7	500.9
47.5°	517.6	513.1	508.0	503.5	498.3	497.0	495.1	493.8	491.9	493.1	494.4
50°	546.0	533.8	522.2	509.9	497.7	494.4	491.2	488.0	484.8	484.1	484.1
52.5°	567.3	549.2	531.2	513.1	495.1	489.3	483.5	477.7	471.9	470.6	469.9
55°	546.7	533.1	520.2	506.7	493.1	484.8	475.7	467.4	458.3	456.4	454.5
57.5°	528.0	519.6	511.2	502.8	494.4	486.1	477.0	468.7	459.6	455.1	450.6
60°	483.5	483.5	484.1	484.1	484.1	475.1	466.1	457.0	448.0	443.5	439.6
62.5°	437.7	444.8	451.2	458.3	464.8	452.5	439.6	427.4	414.5	411.3	408.7
65°	399.7	401.6	404.2	406.1	408.1	398.4	388.7	379.0	369.4	367.4	364.9
67.5°	361.0	360.4	359.7	358.4	357.8	352.0	345.5	339.7	333.3	330.7	328.1
70°	323.6	323.0	322.3	321.0	320.4	315.2	310.1	304.9	299.8	297.8	295.9
72.5°	288.2	287.5	286.2	285.6	284.3	279.8	275.9	271.4	266.9	264.3	261.7
75°	249.5	248.2	246.9	245.6	244.3	240.5	236.6	232.1	228.2	225.6	223.0
77.5°	213.4	211.4	209.5	206.9	205.0	201.8	197.9	194.7	190.8	187.6	185.0
80°	172.1	170.8	169.5	167.6	166.3	163.1	159.9	156.0	152.8	148.9	145.7
82.5°	128.9	128.3	127.0	126.3	125.1	121.8	118.6	115.4	112.2	108.3	104.4
85°	83.2	82.5	81.9	81.2	80.6	78.0	76.1	73.5	70.9	67.0	63.8
87.5°	29.7	28.4	27.7	26.4	25.1	24.5	23.2	22.6	21.3	19.3	17.4
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: P368262

CATALOG NUMBER: MSA-SA4A-750-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: P368262

CATALOG NUMBER: MSA-SA4A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1462.0	1486.5	1487.2	1487.2	1498.8	1509.7	1487.2	1464.6	1441.4	1418.8	1396.3
5°	1558.1	1567.8	1565.2	1562.0	1547.8	1533.6	1518.8	1503.9	1489.1	1474.3	1474.9
7.5°	1335.0	1358.9	1378.2	1396.9	1378.9	1360.8	1351.2	1341.5	1331.8	1322.2	1320.9
10°	1063.7	1070.1	1077.8	1084.9	1074.0	1062.4	1081.7	1101.0	1119.7	1139.1	1117.8
12.5°	988.2	994.0	980.5	966.3	961.8	957.3	952.8	947.6	943.1	937.9	935.4
15°	852.9	842.5	832.2	821.3	818.7	815.5	812.2	808.4	805.2	801.3	789.7
17.5°	737.5	727.2	709.7	691.7	684.6	676.9	674.9	673.0	670.4	668.5	657.5
20°	636.3	629.2	624.7	619.5	612.4	605.3	598.2	591.1	583.4	576.3	566.0
22.5°	609.8	602.1	596.3	589.8	588.6	587.3	574.4	560.8	547.9	534.4	528.6
25°	747.1	749.1	713.6	677.5	674.3	671.1	647.9	624.0	600.8	577.0	557.0
27.5°	807.1	809.0	807.7	806.4	796.1	785.2	745.8	705.9	666.6	626.6	598.2
30°	723.9	749.1	758.7	768.4	761.3	753.6	712.3	671.7	630.5	589.2	570.5
32.5°	524.7	533.8	549.9	565.3	573.7	581.5	568.6	555.7	542.8	529.9	526.7
35°	489.3	496.4	499.6	502.8	497.7	492.5	482.8	473.2	462.9	453.2	451.2
37.5°	499.0	504.8	511.2	517.6	503.5	488.6	477.7	467.4	456.4	445.4	436.4
40°	508.0	515.7	519.6	523.4	509.3	495.1	481.5	468.7	455.1	441.6	432.6
42.5°	509.3	513.8	520.9	528.0	508.0	487.3	475.1	462.2	450.0	437.1	428.0
45°	503.5	506.0	512.5	518.9	495.7	471.9	460.9	449.3	438.4	426.8	419.0
47.5°	495.1	496.4	501.5	506.0	481.5	456.4	446.1	435.8	424.8	414.5	406.8
50°	483.5	482.8	486.7	489.9	464.8	439.6	429.3	419.7	409.3	399.0	392.6
52.5°	468.7	467.4	471.2	474.5	448.0	421.6	412.6	404.2	395.2	386.1	381.0
55°	451.9	450.0	453.2	456.4	430.6	404.2	396.5	388.1	380.3	372.0	367.4
57.5°	445.4	440.9	442.9	444.8	415.8	386.8	379.0	371.3	363.6	355.8	352.6
60°	435.1	430.6	432.6	433.8	402.9	371.3	364.2	356.5	349.4	341.7	338.4
62.5°	405.5	402.3	404.8	407.4	379.7	351.3	344.9	339.1	332.6	326.2	321.7
65°	362.9	360.4	365.5	370.7	346.8	323.0	319.1	315.2	310.7	306.8	302.3
67.5°	325.5	323.0	328.1	333.3	315.9	298.5	294.6	290.7	286.9	283.0	280.4
70°	294.0	292.0	296.5	301.0	286.2	271.4	267.5	264.3	260.4	256.6	254.6
72.5°	258.5	255.9	261.7	266.9	254.6	241.7	238.5	234.6	231.4	227.6	226.3
75°	220.5	217.9	223.0	227.6	219.2	210.2	206.9	203.7	200.5	197.3	196.6
77.5°	181.8	178.6	183.7	188.2	183.1	177.3	174.7	171.5	168.9	165.7	165.7
80°	141.8	138.0	141.8	145.0	143.1	141.2	139.2	136.7	134.7	132.2	132.8
82.5°	100.6	96.7	98.6	100.6	101.9	103.1	103.1	103.1	103.1	103.1	103.1
85°	60.0	56.1	56.7	57.4	59.3	61.2	61.9	62.5	63.2	63.8	64.5
87.5°	15.5	13.5	12.2	10.3	12.2	13.5	14.8	15.5	16.8	17.4	17.4
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: P368262

CATALOG NUMBER: MSA-SA4A-750-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: P368262

CATALOG NUMBER: MSA-SA4A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1373.7	1350.5	1328.0	1342.1	1355.7	1369.9	1383.4	1384.0	1384.0	1384.7	1384.7
5°	1476.2	1476.9	1477.5	1464.0	1451.1	1437.5	1424.0	1416.9	1409.8	1402.1	1395.0
7.5°	1318.9	1317.6	1315.7	1302.8	1289.9	1277.0	1264.1	1233.2	1201.6	1170.7	1139.1
10°	1095.9	1074.6	1052.7	1047.5	1043.0	1037.9	1032.7	1024.3	1016.6	1008.2	999.8
12.5°	932.8	930.2	927.6	914.1	900.6	886.4	872.8	872.8	872.8	872.8	872.8
15°	777.4	765.8	753.6	747.1	740.0	733.6	726.5	723.3	720.1	716.8	713.6
17.5°	645.9	635.0	623.4	622.1	620.8	619.5	618.2	615.0	611.8	608.5	605.3
20°	555.7	545.4	535.0	538.9	542.8	546.0	549.9	546.7	543.4	539.6	536.3
22.5°	522.2	516.4	509.9	506.7	503.5	499.6	496.4	496.4	497.0	497.0	497.0
25°	537.6	517.6	497.7	488.0	478.3	468.0	458.3	454.5	451.2	447.4	443.5
27.5°	569.9	540.9	512.5	495.7	479.0	462.2	445.4	438.4	430.6	423.5	415.8
30°	551.2	532.5	513.1	493.8	474.5	455.1	435.8	426.8	417.7	408.1	399.0
32.5°	523.4	519.6	516.4	498.3	480.3	461.6	443.5	439.6	436.4	432.6	428.7
35°	448.7	446.7	444.2	439.6	435.1	430.6	426.1	420.9	415.8	410.6	405.5
37.5°	428.0	419.0	410.0	408.1	406.1	404.2	402.3	400.3	398.4	395.8	393.9
40°	423.5	414.5	405.5	402.3	399.0	395.2	391.9	392.6	393.9	394.5	395.2
42.5°	418.4	409.3	399.7	397.1	394.5	391.9	389.4	390.0	391.3	391.9	392.6
45°	411.9	404.2	396.5	391.9	388.1	383.6	379.0	382.9	386.8	390.0	393.9
47.5°	399.0	390.7	382.9	380.3	377.8	374.5	372.0	375.8	379.7	382.9	386.8
50°	385.5	379.0	372.0	371.3	370.7	369.4	368.7	371.3	373.9	376.5	379.0
52.5°	375.2	370.0	364.2	364.2	363.6	363.6	362.9	365.5	368.1	370.0	372.6
55°	363.6	359.1	354.6	355.2	356.5	357.1	357.8	360.4	363.6	366.2	368.7
57.5°	348.7	345.5	341.7	344.2	346.2	348.7	350.7	352.6	355.2	357.1	359.1
60°	334.6	331.3	327.5	330.1	333.3	335.9	338.4	340.4	342.3	344.2	346.2
62.5°	317.2	312.0	307.5	311.4	314.6	318.5	321.7	323.0	324.9	326.2	327.5
65°	298.5	294.0	289.4	292.0	294.6	296.5	299.1	301.0	303.0	304.9	306.8
67.5°	277.2	274.6	271.4	273.3	275.3	277.2	279.1	279.8	279.8	280.4	280.4
70°	252.1	250.1	247.5	248.8	250.8	252.1	253.3	253.3	253.3	252.7	252.7
72.5°	225.6	224.3	223.0	223.7	225.0	225.6	226.3	225.6	225.0	224.3	223.7
75°	196.0	195.3	194.7	195.3	196.6	197.3	197.9	197.3	196.0	195.3	194.0
77.5°	166.3	166.3	166.3	166.3	167.0	167.0	167.0	165.7	164.4	163.1	161.8
80°	133.4	134.1	134.7	134.7	134.7	134.7	134.7	133.4	132.2	130.2	128.9
82.5°	103.1	103.1	103.1	103.1	103.8	103.8	103.8	100.6	98.0	94.8	91.5
85°	64.5	65.1	65.1	65.8	66.4	66.4	67.0	62.5	58.7	54.1	49.6
87.5°	17.4	17.4	17.4	17.4	17.4	16.8	16.8	12.9	8.4	4.5	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: P368262

CATALOG NUMBER: MSA-SA4A-750-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: P368262

CATALOG NUMBER: MSA-SA4A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1388.6	1392.4	1395.6	1399.5	1400.2	1400.8	1400.8	1401.4	1387.9	1374.4	1360.2
5°	1404.7	1413.7	1423.4	1432.4	1430.5	1428.5	1426.6	1424.7	1420.8	1417.6	1413.7
7.5°	1132.0	1125.5	1118.4	1111.4	1117.2	1123.0	1128.8	1134.6	1137.1	1139.7	1141.7
10°	983.7	967.6	951.5	935.4	926.3	916.7	907.7	898.0	896.7	896.0	894.8
12.5°	856.1	838.7	821.9	804.5	799.4	793.5	788.4	782.6	787.7	792.9	797.4
15°	706.5	700.1	693.0	685.9	691.7	697.5	703.3	709.1	714.3	718.8	723.9
17.5°	602.1	599.5	596.3	593.1	598.2	604.0	609.2	614.3	625.9	637.5	649.2
20°	533.8	531.8	529.2	526.7	524.7	522.2	520.2	517.6	534.4	550.5	567.3
22.5°	493.1	489.3	485.4	481.5	482.2	482.8	482.8	483.5	497.0	511.2	524.7
25°	442.2	440.9	439.6	438.4	442.2	446.1	449.3	453.2	465.4	477.7	489.3
27.5°	416.4	417.1	417.7	418.4	423.5	429.3	434.5	439.6	448.0	456.4	464.8
30°	402.3	406.1	409.3	412.6	414.5	416.4	418.4	420.3	428.7	436.4	444.8
32.5°	423.5	418.4	412.6	407.4	410.0	413.2	415.8	418.4	426.1	433.8	441.6
35°	403.5	401.0	399.0	396.5	399.7	402.9	405.5	408.7	415.8	422.2	429.3
37.5°	393.2	392.6	391.9	391.3	393.2	395.2	396.5	398.4	404.8	411.3	417.1
40°	392.6	389.4	386.8	383.6	385.5	387.4	388.7	390.7	398.4	406.1	413.9
42.5°	388.7	384.8	380.3	376.5	378.4	381.0	382.9	384.8	393.2	401.0	409.3
45°	388.1	382.3	375.8	370.0	372.6	375.2	377.8	380.3	386.8	393.2	399.0
47.5°	381.0	375.2	369.4	363.6	364.9	366.2	366.8	368.1	373.9	379.0	384.8
50°	375.2	370.7	366.8	362.3	360.4	359.1	357.1	355.2	359.7	364.2	368.7
52.5°	368.1	363.6	358.4	353.9	351.3	348.7	346.2	343.6	347.5	350.7	354.6
55°	363.6	357.8	352.6	346.8	343.6	340.4	337.1	333.9	336.5	338.4	341.0
57.5°	353.9	348.7	342.9	337.8	333.9	330.1	325.5	321.7	323.0	324.3	325.5
60°	341.0	335.2	330.1	324.3	319.7	315.2	310.1	305.6	306.2	307.5	308.1
62.5°	322.3	317.2	311.4	306.2	301.0	296.5	291.4	286.2	287.5	288.2	289.4
65°	301.7	295.9	290.7	284.9	280.4	275.9	270.7	266.2	267.5	268.8	269.5
67.5°	276.5	272.0	268.2	263.7	259.8	255.3	251.4	246.9	247.5	248.2	248.8
70°	249.5	245.6	242.4	238.5	235.3	232.1	228.8	225.6	225.6	226.3	226.3
72.5°	220.5	217.2	214.0	210.8	207.6	205.0	201.8	198.5	199.8	201.1	201.8
75°	190.8	188.2	185.0	181.8	179.2	176.6	173.4	170.8	172.1	173.4	174.1
77.5°	159.9	157.9	155.4	153.4	150.8	148.3	145.0	142.5	143.8	145.0	145.7
80°	127.6	126.3	124.4	123.1	120.5	118.0	115.4	112.8	113.5	113.5	114.1
82.5°	92.2	92.8	92.8	93.5	91.5	89.0	87.0	84.4	84.4	84.4	83.8
85°	51.6	54.1	56.1	58.0	56.1	54.1	52.2	50.3	49.6	49.6	49.0
87.5°	1.9	3.2	5.2	6.4	5.8	5.2	3.9	3.2	3.9	4.5	4.5
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: P368262

CATALOG NUMBER: MSA-SA4A-750-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: P368262

CATALOG NUMBER: MSA-SA4A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1346.6	1357.6	1368.6	1379.5	1390.5	1407.2	1424.0	1441.4	1458.8	1449.1	1438.8
5°	1409.8	1416.3	1423.4	1429.8	1436.3	1454.9	1473.0	1495.6	1517.5	1514.9	1511.7
7.5°	1144.2	1153.3	1162.3	1170.7	1179.7	1208.1	1236.4	1260.3	1284.1	1280.9	1277.0
10°	893.5	912.2	931.5	950.2	968.9	992.1	1014.7	1034.6	1054.6	1088.1	1121.0
12.5°	802.6	831.6	860.6	889.6	918.6	935.4	951.5	977.3	1003.1	1021.1	1039.8
15°	728.4	755.5	782.6	809.7	836.7	838.0	839.3	866.4	893.5	908.9	923.8
17.5°	660.8	675.6	690.4	704.6	719.4	714.3	709.1	722.0	734.2	740.7	747.8
20°	583.4	593.7	604.0	614.3	624.7	631.7	638.2	645.9	653.0	646.6	639.5
22.5°	538.3	553.7	569.9	585.3	600.8	605.3	609.2	604.7	600.2	598.2	596.3
25°	501.5	520.2	539.6	558.3	577.0	586.0	595.0	598.9	602.1	595.0	587.9
27.5°	473.2	495.7	517.6	540.2	562.1	578.2	594.4	598.9	602.7	597.6	591.8
30°	452.5	477.0	501.5	526.0	550.5	575.0	598.9	620.1	640.8	638.8	636.9
32.5°	449.3	466.1	482.8	499.6	516.4	531.8	546.7	547.9	548.6	543.4	537.6
35°	435.8	446.7	457.7	468.7	479.6	489.3	498.3	497.0	495.7	490.6	485.4
37.5°	423.5	434.5	446.1	457.0	468.0	484.8	500.9	497.7	493.8	488.6	483.5
40°	421.6	433.8	446.1	457.7	469.9	485.4	500.9	497.7	494.4	488.0	481.5
42.5°	417.1	429.3	440.9	453.2	464.8	483.5	501.5	495.7	489.3	484.1	479.0
45°	405.5	416.4	427.4	438.4	449.3	469.3	489.3	482.2	475.1	473.2	470.6
47.5°	390.0	401.0	411.9	422.9	433.8	453.8	473.2	467.4	460.9	460.3	459.0
50°	373.2	383.6	394.5	404.8	415.1	435.1	454.5	449.3	444.2	444.8	444.8
52.5°	357.8	367.4	376.5	386.1	395.2	415.1	434.5	430.6	426.1	427.4	428.0
55°	342.9	350.7	358.4	366.2	373.9	393.2	412.6	406.8	401.0	402.9	404.8
57.5°	326.8	333.3	339.7	345.5	352.0	371.3	390.0	383.6	376.5	379.7	382.3
60°	308.8	314.6	320.4	325.5	331.3	348.7	365.5	359.7	353.3	357.8	361.6
62.5°	290.1	294.6	299.1	303.6	308.1	324.3	340.4	335.9	331.3	336.5	341.0
65°	270.7	274.0	277.8	281.1	284.3	299.8	314.6	311.4	308.1	312.6	317.2
67.5°	249.5	252.1	255.3	257.9	260.4	274.6	288.8	285.6	281.7	285.6	288.8
70°	226.3	228.8	230.8	233.4	235.3	248.2	261.1	256.6	251.4	255.3	258.5
72.5°	203.1	204.4	206.3	207.6	208.9	218.5	228.2	224.3	220.5	224.3	227.6
75°	175.3	176.6	177.9	179.2	180.5	188.9	196.6	192.1	186.9	190.8	194.7
77.5°	147.0	147.6	148.9	149.6	150.2	156.0	161.2	156.6	151.5	156.0	160.5
80°	114.1	114.7	115.4	115.4	116.0	118.0	119.9	116.7	112.8	118.6	124.4
82.5°	83.8	83.2	83.2	82.5	81.9	81.9	81.2	79.3	76.7	81.9	87.0
85°	48.3	47.7	46.4	45.8	44.5	42.5	40.6	40.0	39.3	43.8	48.3
87.5°	5.2	4.5	3.2	2.6	1.3	0.6	0.0	0.0	0.0	2.6	5.8
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

REPORT NUMBER: P368262

CATALOG NUMBER: MSA-SA4A-750-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: P368262

CATALOG NUMBER: MSA-SA4A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1429.2	1418.8	1409.2	1399.5	1389.8	1380.2	1398.2	1416.3	1434.3	1452.4	1468.5
5°	1509.1	1505.9	1497.5	1489.8	1481.4	1473.0	1477.5	1482.7	1487.2	1491.7	1501.4
7.5°	1273.8	1269.9	1288.0	1305.4	1323.4	1340.8	1345.4	1349.2	1353.7	1357.6	1355.0
10°	1154.5	1187.4	1195.8	1203.5	1211.9	1219.7	1232.5	1245.4	1257.7	1270.6	1277.7
12.5°	1057.9	1075.9	1105.6	1135.9	1165.5	1195.2	1214.5	1233.8	1253.2	1272.5	1312.5
15°	939.2	954.1	976.6	999.2	1021.8	1044.3	1072.0	1100.4	1128.1	1155.8	1199.7
17.5°	754.2	760.7	777.4	794.2	810.3	827.1	864.5	901.2	938.6	975.3	1025.6
20°	633.0	625.9	625.9	626.6	626.6	626.6	664.0	700.7	738.1	774.9	841.3
22.5°	593.7	591.8	584.7	577.0	569.9	562.1	581.5	601.4	620.8	640.1	694.3
25°	580.2	573.1	564.1	555.0	546.0	537.0	549.2	561.5	573.7	586.0	628.5
27.5°	586.6	580.8	585.3	589.2	593.7	597.6	601.4	605.3	609.2	613.1	627.9
30°	635.0	633.0	640.1	646.6	653.7	660.1	651.1	642.7	633.7	624.7	629.8
32.5°	532.5	526.7	524.1	521.5	518.9	516.4	515.7	515.1	513.8	513.1	524.7
35°	480.3	475.1	471.2	467.4	462.9	459.0	460.9	462.2	464.1	465.4	478.3
37.5°	478.3	473.2	468.7	464.1	459.0	454.5	456.4	459.0	460.9	462.9	472.5
40°	475.1	468.7	466.1	463.5	460.9	458.3	459.6	460.9	461.6	462.9	469.9
42.5°	473.2	468.0	466.7	465.4	464.1	462.9	464.1	465.4	466.1	467.4	475.7
45°	468.7	466.1	467.4	468.7	469.9	471.2	471.2	471.2	471.2	471.2	480.3
47.5°	458.3	457.0	460.9	464.8	468.7	472.5	479.0	485.4	491.2	497.7	499.6
50°	445.4	445.4	451.9	458.3	464.1	470.6	486.1	500.9	516.4	531.2	521.5
52.5°	429.3	430.0	439.6	448.7	458.3	467.4	481.5	495.7	509.3	523.4	509.3
55°	406.1	408.1	420.3	431.9	444.2	455.8	466.7	477.7	488.6	499.6	484.8
57.5°	385.5	388.1	401.0	413.2	426.1	438.4	444.8	451.9	458.3	464.8	455.1
60°	366.2	370.0	386.8	403.5	419.7	436.4	431.3	426.1	420.3	415.1	414.5
62.5°	346.2	350.7	366.2	381.6	396.5	411.9	404.2	396.5	388.1	380.3	383.6
65°	321.0	325.5	332.6	339.7	346.2	353.3	352.6	352.6	352.0	351.3	357.8
67.5°	292.7	295.9	300.4	304.3	308.8	312.6	315.2	318.5	321.0	323.6	331.3
70°	262.4	265.6	270.1	274.0	278.5	282.4	285.6	288.8	291.4	294.6	302.3
72.5°	231.4	234.6	239.2	243.7	247.5	252.1	254.6	257.2	259.1	261.7	268.2
75°	198.5	202.4	206.9	210.8	215.3	219.2	221.1	223.0	225.0	226.9	232.7
77.5°	165.0	169.5	174.1	178.6	183.1	187.6	188.2	188.9	189.5	190.2	195.3
80°	129.6	135.4	139.9	144.4	148.9	153.4	153.4	153.4	153.4	153.4	156.0
82.5°	92.2	97.3	102.5	107.0	112.2	116.7	116.7	116.0	116.0	115.4	115.4
85°	52.9	57.4	60.6	64.5	67.7	70.9	70.9	70.9	70.3	70.3	69.0
87.5°	8.4	11.0	12.2	14.2	15.5	16.8	16.1	16.1	15.5	14.8	12.9
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: P368262

CATALOG NUMBER: MSA-SA4A-750-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: P368262

CATALOG NUMBER: MSA-SA4A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1484.6	1500.7	1516.8	1514.3	1511.7	1509.1	1506.5	1516.2	1525.2	1534.9	1543.9
5°	1510.4	1520.1	1529.1	1536.2	1543.3	1550.4	1557.4	1590.3	1622.6	1655.4	1687.7
7.5°	1352.5	1349.2	1346.6	1376.9	1407.9	1438.2	1468.5	1510.4	1552.3	1594.2	1636.1
10°	1284.8	1291.9	1298.9	1311.2	1324.1	1336.3	1348.6	1389.8	1431.1	1472.4	1513.6
12.5°	1351.8	1391.8	1431.1	1440.8	1451.1	1460.8	1470.4	1478.8	1487.2	1494.9	1503.3
15°	1243.5	1287.3	1331.2	1356.3	1381.5	1406.0	1431.1	1494.3	1556.8	1620.0	1682.5
17.5°	1075.3	1125.5	1175.2	1237.1	1298.9	1360.8	1422.7	1480.7	1538.8	1596.1	1654.1
20°	907.7	973.4	1039.8	1107.5	1174.5	1242.2	1309.3	1366.0	1422.7	1478.8	1535.5
22.5°	747.8	801.9	855.4	937.9	1019.8	1102.3	1184.2	1289.9	1395.0	1500.7	1605.8
25°	670.4	713.0	754.9	840.0	925.1	1009.5	1094.6	1231.9	1368.6	1505.9	1642.5
27.5°	643.3	658.2	673.0	750.4	827.1	904.4	981.1	1129.4	1277.7	1425.3	1573.6
30°	635.0	640.1	645.3	705.9	766.5	827.1	887.7	1034.0	1181.0	1327.3	1473.6
32.5°	535.7	547.3	558.3	617.6	676.2	735.5	794.2	941.8	1088.8	1236.4	1383.4
35°	491.2	504.1	517.0	575.0	633.0	690.4	748.4	903.8	1059.8	1215.1	1370.5
37.5°	482.2	491.9	501.5	567.3	633.0	698.8	764.5	921.8	1079.1	1236.4	1393.7
40°	477.7	484.8	491.9	555.7	620.1	684.0	747.8	912.8	1077.2	1242.2	1406.6
42.5°	483.5	491.9	499.6	557.6	615.0	673.0	730.4	901.2	1071.4	1242.2	1412.4
45°	488.6	497.7	506.0	560.2	614.3	668.5	722.6	905.1	1086.9	1269.3	1451.1
47.5°	500.9	502.8	504.1	551.2	597.6	644.6	691.1	876.7	1062.4	1247.4	1433.0
50°	511.2	501.5	491.2	540.2	588.6	637.5	685.9	861.9	1037.9	1213.2	1389.2
52.5°	495.1	480.3	466.1	518.9	571.8	624.0	676.9	852.9	1029.5	1205.5	1381.5
55°	470.6	455.8	440.9	494.4	547.9	601.4	655.0	830.3	1006.3	1181.6	1357.0
57.5°	446.1	436.4	426.8	470.6	515.1	558.9	602.7	792.9	982.4	1172.6	1362.1
60°	413.9	412.6	411.9	446.1	480.9	515.1	549.2	735.5	921.2	1107.5	1293.1
62.5°	386.1	389.4	391.9	419.7	447.4	474.5	502.2	682.0	862.5	1042.4	1222.2
65°	364.9	371.3	377.8	409.3	440.9	471.9	503.5	654.3	805.2	956.0	1106.8
67.5°	339.1	346.8	354.6	395.8	437.1	478.3	519.6	644.0	768.4	892.8	1017.2
70°	309.4	317.2	324.3	377.1	429.3	482.2	534.4	644.6	755.5	865.7	976.0
72.5°	274.6	281.1	287.5	344.2	401.0	457.7	514.4	607.9	701.4	794.2	887.7
75°	239.2	245.0	250.8	299.8	348.7	397.7	446.7	518.9	590.5	662.7	734.2
77.5°	199.8	205.0	209.5	242.4	275.3	308.1	341.0	396.5	451.2	506.7	561.5
80°	158.6	161.2	163.7	183.1	201.8	221.1	239.8	276.5	313.3	349.4	386.1
82.5°	116.0	116.0	116.0	128.3	141.2	153.4	165.7	184.4	202.4	221.1	239.2
85°	67.7	65.8	64.5	72.8	81.2	89.6	98.0	105.7	113.5	121.2	128.9
87.5°	11.0	8.4	6.4	11.6	16.8	21.9	27.1	29.7	32.9	35.5	38.0
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: P368262

CATALOG NUMBER: MSA-SA4A-750-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: P368262

CATALOG NUMBER: MSA-SA4A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1522.0	1500.7	1478.8	1456.9	1489.1	1521.3	1553.6	1585.8	1671.5	1722.5	1725.7
5°	1714.7	1741.8	1768.9	1796.0	1823.0	1850.1	1876.5	1903.6	2042.9	2128.6	2144.7
7.5°	1680.6	1725.7	1770.2	1814.7	1891.4	1968.1	2044.8	2121.5	2239.5	2324.6	2380.6
10°	1569.0	1624.5	1679.9	1735.4	1826.3	1917.8	2008.7	2099.6	2224.6	2336.8	2390.3
12.5°	1591.6	1679.9	1767.6	1855.9	1934.6	2013.9	2092.5	2171.1	2257.5	2300.1	2397.4
15°	1743.7	1805.0	1866.2	1927.5	2046.1	2164.1	2282.7	2400.6	2449.6	2547.0	2634.6
17.5°	1767.0	1879.1	1991.9	2104.1	2249.1	2394.2	2539.2	2684.3	2775.2	2900.9	3006.6
20°	1694.8	1853.3	2012.6	2171.1	2358.1	2545.7	2732.6	2919.6	3035.0	3140.7	3304.4
22.5°	1781.1	1956.5	2131.2	2306.5	2554.7	2802.2	3050.4	3298.0	3539.1	3775.0	3885.9
25°	1876.5	2111.2	2345.2	2579.2	2889.3	3198.7	3508.8	3818.2	4128.3	4349.4	4477.0
27.5°	1809.5	2044.8	2280.7	2516.0	2899.6	3283.8	3667.3	4050.9	4382.9	4649.1	4758.7
30°	1762.4	2051.2	2340.0	2628.8	3078.8	3528.8	3978.7	4428.7	4735.5	5032.7	5193.9
32.5°	1754.1	2124.7	2494.8	2865.4	3389.5	3913.0	4437.0	4960.5	5164.2	5427.9	5645.1
35°	1777.3	2184.7	2591.4	2998.2	3599.0	4199.8	4800.0	5400.8	5690.2	5951.3	6141.5
37.5°	1848.2	2302.6	2756.5	3210.9	3934.9	4659.4	5383.4	6107.3	6592.7	7070.4	7155.5
40°	1888.1	2370.3	2851.9	3333.4	4175.3	5017.2	5859.1	6701.0	7259.3	7783.4	7818.8
42.5°	1935.2	2458.0	2980.2	3503.0	4436.4	5370.5	6303.9	7237.4	7928.4	8491.8	8508.6
45°	1989.4	2527.0	3065.3	3602.9	4577.6	5551.6	6526.3	7500.4	8335.8	9020.4	8853.5
47.5°	2010.6	2588.9	3166.5	3744.1	4783.2	5821.7	6860.9	7899.4	8649.1	9271.8	9112.0
50°	2019.0	2649.5	3279.3	3909.1	4985.6	6062.8	7139.4	8215.9	8978.5	9585.8	9340.8
52.5°	2071.2	2761.0	3450.7	4140.5	5262.2	6383.9	7505.5	8627.2	9377.6	9961.0	9656.7
55°	2141.5	2926.0	3709.9	4494.4	5655.4	6815.8	7976.8	9137.1	9890.0	10432.8	10055.7
57.5°	2206.6	3051.7	3896.2	4740.7	5943.6	7147.1	8350.0	9552.9	10315.5	10852.5	10487.0
60°	2175.0	3056.9	3938.7	4820.6	6002.9	7184.5	8366.8	9548.4	10414.1	11058.1	10871.2
62.5°	2079.6	2937.0	3793.7	4651.1	5773.4	6895.1	8017.4	9139.0	10152.4	10978.2	10969.8
65°	1895.9	2684.9	3473.3	4262.3	5300.9	6340.0	7378.5	8417.0	9611.6	10614.6	10679.7
67.5°	1672.2	2327.1	2982.1	3637.1	4615.0	5592.9	6570.8	7548.7	8825.7	9932.6	9988.7
70°	1455.6	1935.8	2415.5	2895.1	3753.7	4612.4	5470.4	6329.1	7619.0	8738.7	8790.3
72.5°	1201.6	1515.5	1828.8	2142.8	2838.3	3533.9	4228.8	4924.4	6057.0	6918.3	7209.0
75°	920.5	1106.8	1293.1	1479.4	2042.2	2605.0	3167.1	3729.9	4482.8	5118.4	5445.9
77.5°	658.2	754.9	851.6	948.3	1426.6	1904.9	2382.6	2860.9	3256.7	3617.1	3838.2
80°	431.9	477.0	522.8	567.9	965.7	1363.4	1760.5	2158.2	2399.3	2592.7	2704.3
82.5°	261.7	284.3	306.2	328.8	651.1	973.4	1295.1	1617.4	1755.4	1847.5	1946.8
85°	141.2	153.4	165.7	177.9	384.8	591.1	798.1	1004.3	1017.9	1028.8	1176.5
87.5°	41.3	45.1	48.3	51.6	85.1	119.3	152.8	186.3	116.0	72.2	148.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368262

CATALOG NUMBER: MSA-SA4A-750-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: P368262

CATALOG NUMBER: MSA-SA4A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1707.0	1698.6	1690.2	1681.2	1672.8	1637.4	1602.6	1567.1	1531.7	1565.8	1599.3
5°	2126.0	2151.8	2176.9	2202.7	2228.5	2230.4	2231.7	2233.7	2235.0	2241.4	2247.9
7.5°	2427.7	2473.5	2518.6	2564.4	2610.1	2645.6	2681.1	2717.2	2752.6	2720.4	2688.1
10°	2453.5	2550.2	2646.9	2743.6	2840.3	2857.7	2874.4	2891.8	2909.3	2932.5	2955.0
12.5°	2479.3	2597.2	2714.6	2832.5	2950.5	3002.1	3053.0	3104.6	3155.5	3180.6	3205.1
15°	2752.0	2821.6	2890.6	2960.2	3029.2	3064.6	3099.4	3134.9	3170.3	3191.6	3212.2
17.5°	3102.6	3128.4	3153.6	3179.4	3205.1	3229.0	3252.8	3276.7	3300.5	3304.4	3308.3
20°	3422.4	3427.5	3432.1	3437.2	3441.7	3391.4	3341.8	3291.5	3241.2	3250.3	3258.6
22.5°	3902.0	3873.6	3845.9	3817.5	3789.8	3695.1	3601.0	3506.2	3412.1	3371.5	3331.5
25°	4624.0	4551.8	4479.6	4407.4	4335.2	4184.3	4034.1	3883.3	3733.1	3644.8	3557.1
27.5°	4856.7	4699.4	4542.8	4385.5	4228.2	4114.1	4000.6	3886.5	3773.1	3633.2	3493.3
30°	5327.3	5079.1	4831.6	4583.4	4335.2	4225.0	4114.7	4003.8	3893.6	3750.5	3608.0
32.5°	5744.4	5486.5	5228.7	4970.2	4712.3	4503.4	4294.6	4085.7	3876.9	3780.2	3683.5
35°	6227.2	5903.0	5578.7	5254.4	4930.2	4751.0	4572.4	4393.2	4214.6	4068.3	3922.6
37.5°	6930.5	6585.6	6240.7	5895.2	5550.3	5308.0	5066.2	4823.8	4582.1	4501.5	4421.6
40°	7600.9	7193.5	6786.8	6379.3	5972.6	5786.9	5601.3	5415.0	5229.3	5093.3	4957.3
42.5°	8162.4	7759.5	7357.3	6954.4	6552.1	6416.7	6282.0	6146.6	6011.9	5899.7	5787.6
45°	8355.2	8026.4	7698.3	7369.5	7040.7	6993.0	6946.0	6898.3	6851.2	6768.1	6684.9
47.5°	8665.2	8330.0	7995.5	7660.2	7325.0	7342.4	7359.8	7377.9	7395.3	7399.8	7403.7
50°	8847.7	8529.2	8211.4	7893.0	7575.1	7659.6	7743.4	7827.8	7912.3	8103.7	8294.6
52.5°	9113.9	8801.2	8489.2	8176.6	7863.9	8007.1	8149.5	8292.6	8435.1	8703.3	8971.4
55°	9447.8	9148.7	8850.2	8551.1	8252.7	8391.9	8530.5	8669.7	8808.3	9106.8	9405.3
57.5°	9890.7	9570.3	9250.6	8930.2	8610.4	8738.7	8866.4	8994.6	9122.3	9405.9	9689.6
60°	10394.8	10046.7	9698.6	9349.8	9001.7	9037.2	9072.0	9107.5	9142.3	9449.8	9756.6
62.5°	10642.3	10320.0	9998.3	9676.0	9353.7	9255.1	9156.4	9057.2	8958.5	9233.8	9508.4
65°	10427.7	10205.9	9984.8	9763.0	9541.3	9367.2	9193.8	9019.8	8845.7	9017.8	9189.3
67.5°	9744.4	9618.7	9493.6	9367.9	9242.2	8950.2	8658.1	8365.5	8073.5	8085.1	8096.0
70°	8636.9	8603.3	8570.5	8536.9	8503.4	8064.4	7626.1	7187.1	6748.1	6681.0	6614.0
72.5°	7233.5	7255.4	7276.7	7298.6	7320.5	6848.6	6376.8	5904.9	5433.0	5321.5	5210.0
75°	5602.6	5723.7	5844.9	5966.8	6088.0	5636.7	5185.5	4733.6	4282.3	4145.0	4007.7
77.5°	3958.7	4185.0	4410.6	4636.9	4863.2	4455.1	4047.7	3639.6	3231.6	3142.6	3053.7
80°	2760.3	2871.2	2982.1	3093.0	3203.9	2998.9	2793.9	2588.9	2383.9	2408.4	2432.2
82.5°	2010.6	2036.4	2061.6	2087.3	2113.1	2029.3	1945.5	1861.1	1777.3	1841.1	1904.9
85°	1288.0	1380.2	1471.7	1563.9	1655.4	1562.6	1469.8	1376.3	1283.5	1326.0	1368.6
87.5°	288.2	455.8	623.4	791.6	959.2	869.0	779.4	689.1	598.9	558.3	518.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368262

CATALOG NUMBER: MSA-SA4A-750-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: P368262

CATALOG NUMBER: MSA-SA4A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1633.5	1667.7	1657.4	1647.7	1637.4	1627.1	1645.8	1664.5	1683.8	1702.5	1696.0
5°	2254.9	2261.4	2200.2	2139.6	2078.3	2017.1	2055.1	2093.1	2131.2	2169.2	2155.7
7.5°	2655.9	2623.7	2588.2	2552.8	2516.7	2481.2	2473.5	2465.7	2457.4	2449.6	2439.3
10°	2978.2	3000.8	2977.6	2955.0	2931.8	2908.6	2854.5	2800.3	2745.5	2691.4	2668.8
12.5°	3230.3	3255.4	3261.2	3266.4	3272.2	3278.0	3217.4	3157.4	3096.8	3036.2	2981.5
15°	3233.5	3254.8	3273.5	3291.5	3310.2	3328.3	3290.9	3254.1	3216.7	3179.4	3162.0
17.5°	3312.8	3316.7	3301.2	3286.4	3270.9	3256.1	3241.2	3227.1	3212.2	3198.1	3170.3
20°	3267.7	3276.7	3274.8	3272.8	3270.3	3268.3	3269.6	3270.3	3271.5	3272.2	3256.7
22.5°	3290.9	3250.3	3258.6	3266.4	3274.8	3282.5	3305.7	3328.9	3352.8	3376.0	3437.9
25°	3468.8	3380.5	3366.9	3354.1	3340.5	3327.6	3388.2	3448.2	3508.8	3569.4	3669.9
27.5°	3352.8	3212.9	3181.9	3151.0	3120.1	3089.1	3181.3	3272.8	3365.0	3457.2	3559.7
30°	3464.9	3322.5	3254.1	3185.8	3116.8	3048.5	3136.8	3224.5	3312.8	3400.5	3513.9
32.5°	3586.8	3490.1	3444.3	3399.2	3353.4	3308.3	3315.4	3322.5	3329.6	3336.6	3496.5
35°	3776.3	3630.0	3584.8	3539.7	3494.6	3449.5	3524.9	3599.7	3675.1	3749.9	3885.2
37.5°	4341.0	4260.4	4179.2	4098.0	4016.1	3934.9	3979.4	4023.8	4068.3	4112.8	4240.4
40°	4821.3	4685.2	4671.7	4658.8	4645.3	4631.7	4635.6	4638.8	4642.7	4646.6	4755.5
42.5°	5674.8	5562.6	5493.6	5424.6	5355.7	5286.7	5282.2	5277.7	5272.5	5268.0	5349.9
45°	6601.1	6517.9	6466.4	6414.8	6362.6	6311.0	6229.1	6147.3	6064.8	5982.9	6054.4
47.5°	7408.2	7412.7	7506.2	7599.0	7692.5	7785.9	7646.1	7506.2	7366.3	7226.4	7134.2
50°	8486.0	8676.8	8699.4	8721.3	8743.9	8766.4	8529.2	8292.6	8055.4	7818.2	7721.5
52.5°	9240.2	9508.4	9473.6	9439.4	9404.6	9369.8	9232.5	9095.8	8958.5	8821.2	8610.4
55°	9704.4	10002.9	9976.4	9950.6	9924.2	9897.8	9797.9	9697.9	9598.0	9498.1	9266.7
57.5°	9973.2	10256.8	10264.6	10272.3	10280.0	10287.8	10261.4	10234.9	10208.5	10182.1	9881.0
60°	10064.1	10371.6	10374.8	10377.4	10380.6	10383.2	10341.3	10299.4	10256.8	10214.9	10018.3
62.5°	9783.7	10058.3	10070.5	10082.1	10094.4	10106.6	10077.6	10048.6	10019.6	9990.6	9844.9
65°	9361.4	9533.6	9536.8	9539.4	9542.6	9545.8	9472.3	9399.5	9326.0	9252.5	9217.7
67.5°	8107.6	8119.2	8187.6	8255.9	8324.2	8392.5	8398.3	8404.2	8410.6	8416.4	8366.1
70°	6546.9	6479.9	6554.0	6628.2	6702.3	6776.4	6808.0	6839.6	6871.8	6903.4	6926.6
72.5°	5097.8	4986.3	5041.1	5095.9	5151.3	5206.1	5159.0	5112.0	5064.9	5017.9	5166.8
75°	3870.4	3733.1	3726.0	3719.6	3712.5	3706.0	3682.2	3658.3	3633.8	3610.0	3749.2
77.5°	2964.0	2875.1	2879.6	2883.5	2888.0	2891.8	2867.4	2843.5	2819.0	2794.5	2848.0
80°	2456.7	2480.6	2481.2	2481.9	2482.5	2483.1	2459.9	2437.4	2414.2	2391.0	2352.3
82.5°	1969.4	2033.2	2032.5	2032.5	2031.9	2031.3	2030.0	2028.7	2026.7	2025.5	1962.3
85°	1411.1	1453.7	1409.8	1366.0	1322.2	1278.3	1310.5	1342.8	1375.7	1407.9	1381.5
87.5°	477.7	437.7	385.5	333.9	281.7	229.5	285.6	341.7	398.4	454.5	486.7
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: P368262

CATALOG NUMBER: MSA-SA4A-750-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: P368262

CATALOG NUMBER: MSA-SA4A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1690.2	1683.8	1678.0	1637.4	1596.1	1555.5	1514.3	1589.0	1664.5	1739.2	1814.0
5°	2142.8	2129.2	2116.3	2113.1	2109.9	2106.0	2102.8	2140.8	2178.9	2216.3	2254.3
7.5°	2429.0	2418.7	2408.4	2381.3	2354.9	2327.8	2300.7	2323.9	2346.5	2369.7	2392.3
10°	2646.9	2624.3	2601.8	2543.1	2485.1	2426.4	2367.8	2350.4	2332.9	2315.5	2298.1
12.5°	2926.7	2871.2	2816.4	2750.0	2683.0	2616.6	2549.5	2540.5	2531.5	2523.1	2514.1
15°	3145.2	3127.8	3110.4	3057.5	3004.7	2951.8	2898.9	2828.0	2756.5	2685.6	2614.7
17.5°	3143.3	3115.5	3088.5	3159.4	3229.6	3300.5	3370.8	3295.4	3219.3	3143.9	3068.5
20°	3241.2	3225.1	3209.7	3340.5	3470.7	3601.6	3731.8	3690.6	3648.7	3607.4	3565.5
22.5°	3499.1	3561.0	3622.2	3734.4	3845.9	3958.1	4069.6	4116.7	4163.7	4210.8	4257.8
25°	3769.8	3870.4	3971.0	4137.9	4304.3	4471.2	4638.2	4671.7	4705.2	4738.7	4772.3
27.5°	3661.5	3764.0	3866.5	3992.9	4118.6	4244.9	4370.6	4517.6	4665.2	4812.2	4959.2
30°	3626.7	3740.2	3853.0	4026.4	4199.2	4372.6	4546.0	4748.4	4950.8	5152.6	5355.0
32.5°	3655.7	3815.6	3975.5	4210.1	4444.1	4678.8	4913.4	5126.2	5339.5	5552.3	5765.0
35°	4020.0	4155.3	4290.1	4552.4	4814.8	5077.2	5339.5	5589.0	5838.5	6087.3	6336.8
37.5°	4367.4	4495.1	4622.7	4890.9	5158.4	5426.6	5694.7	6088.6	6483.1	6877.0	7270.9
40°	4863.8	4972.7	5081.0	5310.5	5540.0	5769.5	5999.0	6474.1	6949.2	7424.3	7899.4
42.5°	5431.1	5512.9	5594.2	5832.0	6069.9	6307.8	6545.7	7062.7	7580.3	8097.3	8614.3
45°	6125.4	6196.9	6268.5	6432.2	6595.9	6760.3	6924.1	7457.2	7990.3	8523.4	9056.5
47.5°	7042.0	6949.8	6857.7	6938.2	7018.8	7099.4	7180.0	7707.3	8234.6	8761.3	9288.6
50°	7624.8	7528.1	7431.4	7438.5	7444.9	7452.0	7459.1	7951.0	8442.8	8934.0	9425.9
52.5°	8399.6	8188.2	7977.4	7975.5	7973.5	7971.0	7969.0	8397.7	8827.0	9255.7	9684.4
55°	9035.3	8803.8	8572.4	8527.3	8482.2	8436.4	8391.3	8815.4	9239.0	9663.1	10086.7
57.5°	9580.0	9278.3	8977.2	8906.3	8835.4	8764.5	8693.6	9150.6	9608.3	10065.4	10522.4
60°	9822.4	9625.7	9429.8	9342.7	9255.7	9168.7	9081.7	9471.0	9860.4	10249.1	10638.5
62.5°	9699.9	9554.2	9409.1	9429.1	9449.1	9469.1	9489.1	9711.5	9934.5	10156.9	10379.3
65°	9183.5	9148.7	9114.5	9275.7	9436.9	9598.0	9759.2	9762.4	9765.6	9768.9	9772.1
67.5°	8315.8	8265.6	8215.3	8550.5	8885.1	9220.3	9555.5	9396.2	9237.0	9078.4	8919.2
70°	6949.2	6972.4	6995.0	7451.4	7907.1	8363.5	8819.9	8589.2	8357.7	8127.0	7895.5
72.5°	5315.7	5465.2	5614.2	6087.3	6560.5	7033.6	7506.8	7243.2	6978.9	6715.2	6450.9
75°	3888.5	4027.7	4166.9	4634.3	5101.7	5569.7	6037.0	5723.7	5410.5	5097.8	4784.5
77.5°	2901.5	2955.7	3009.2	3397.9	3786.0	4174.7	4562.8	4248.2	3933.6	3619.6	3305.1
80°	2314.3	2275.6	2237.5	2452.8	2668.2	2883.5	3098.8	2875.7	2652.0	2429.0	2206.0
82.5°	1899.7	1836.6	1774.0	1854.0	1933.9	2014.5	2094.4	1915.9	1737.3	1558.7	1380.2
85°	1355.0	1328.6	1302.2	1325.4	1347.9	1371.1	1394.4	1220.3	1046.2	872.8	698.8
87.5°	518.3	550.5	582.8	619.5	655.6	692.3	728.4	570.5	412.6	255.3	97.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P368262

CATALOG NUMBER: MSA-SA4A-750-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: P368262

CATALOG NUMBER: MSA-SA4A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1400.8	1400.8
2.5°	1845.0	1875.9
5°	2253.7	2253.0
7.5°	2381.9	2371.0
10°	2269.8	2241.4
12.5°	2430.3	2345.8
15°	2530.9	2446.4
17.5°	2941.5	2813.8
20°	3414.0	3261.9
22.5°	4026.4	3795.0
25°	4495.7	4218.5
27.5°	4794.8	4629.8
30°	5166.1	4977.3
32.5°	5625.8	5485.9
35°	6209.2	6080.9
37.5°	7230.9	7190.3
40°	7851.1	7802.1
42.5°	8616.2	8617.5
45°	9085.5	9114.5
47.5°	9362.1	9434.9
50°	9582.6	9738.6
52.5°	9897.8	10111.2
55°	10370.3	10653.3
57.5°	10763.5	11004.6
60°	10763.5	10887.9
62.5°	10376.1	10372.2
65°	9712.1	9651.5
67.5°	8843.2	8767.1
70°	7776.9	7657.7
72.5°	6303.3	6155.0
75°	4581.4	4377.7
77.5°	3208.4	3111.0
80°	2253.0	2300.1
82.5°	1447.2	1514.3
85°	688.5	678.2
87.5°	81.2	65.1
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: P368262

CATALOG NUMBER: MSA-SA4A-750-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)