

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: P367734

Luminaire Tested: **MSA-SA3A-750-U-SLR**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367734
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-SA3A-750-U-SLR
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) 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: 10048 lumens
Efficiency: N/A
Efficacy: 104.7 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): 96
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



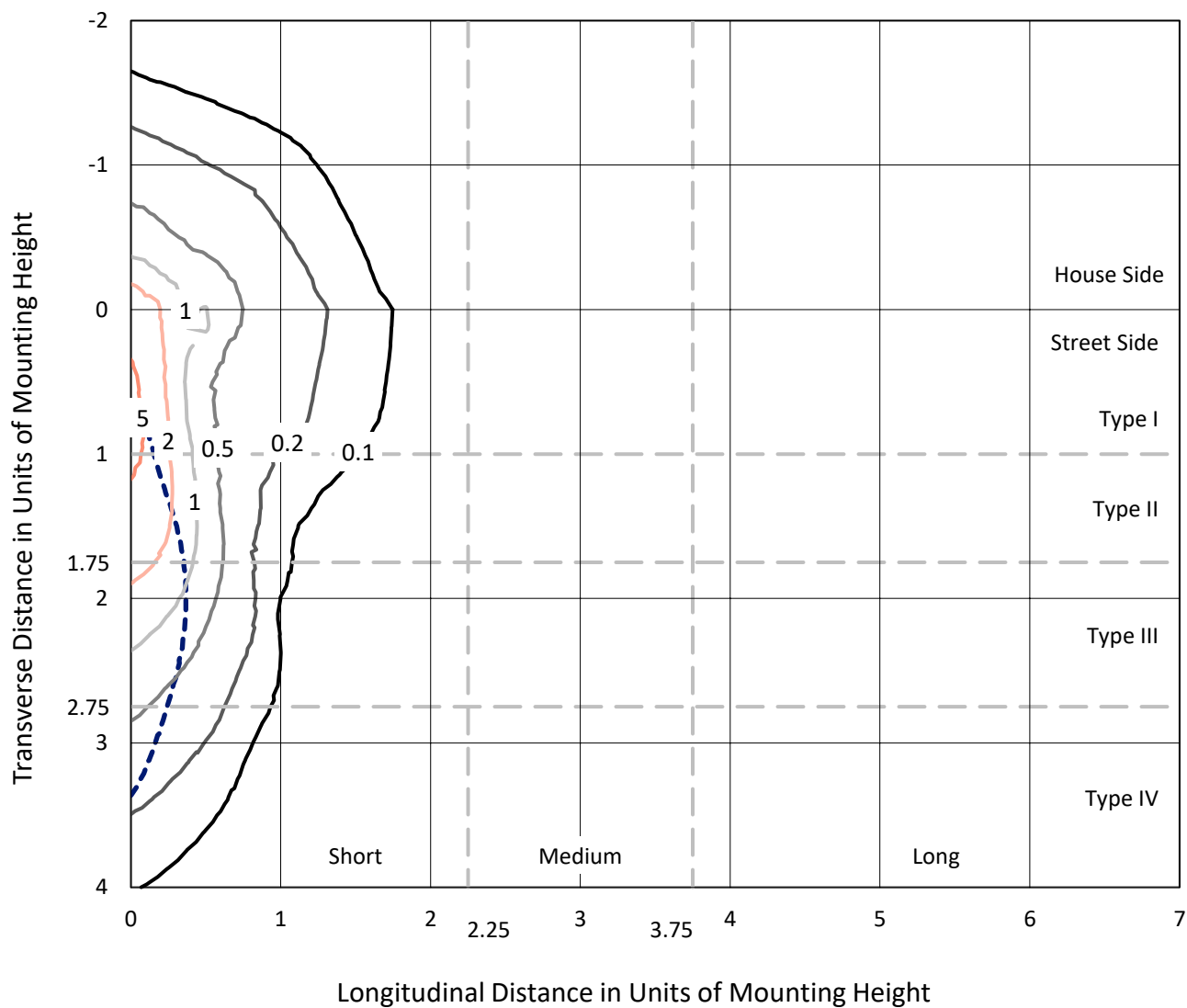
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



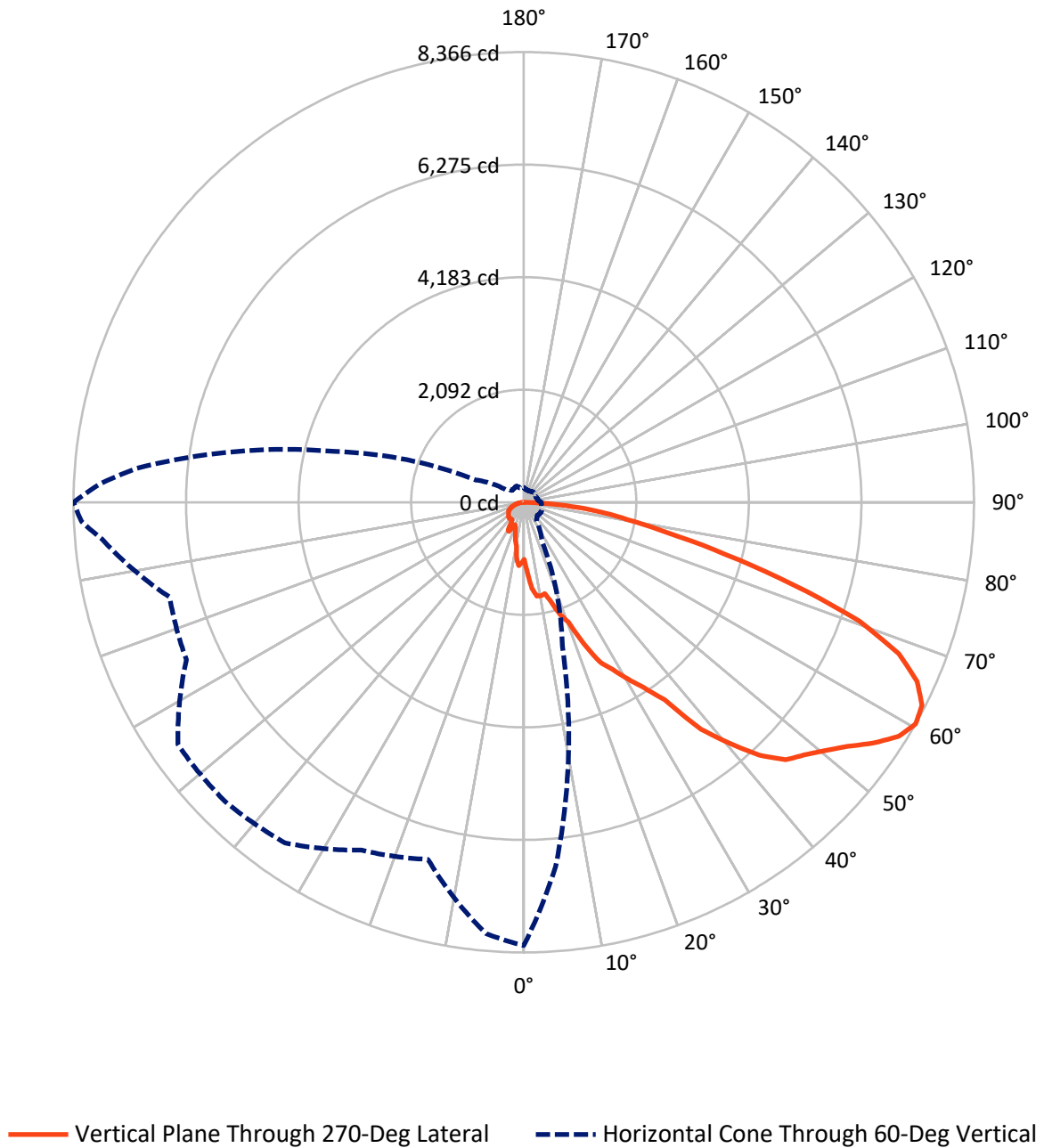
Based on 20 foot mounting height. Maximum calculated value = 6.7 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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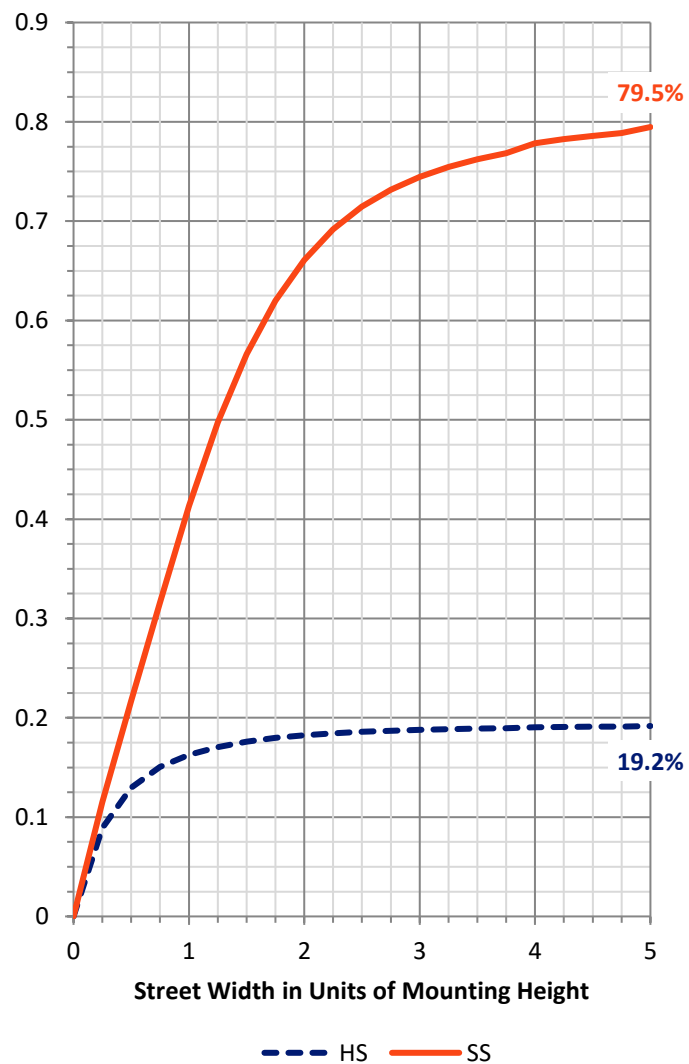
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1946.1	0.0	1946.1
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	8101.9	0.0	8101.9
	% Fixture	80.6	0.0	80.6
Total	Lumens	10048.0	0.0	10048.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.5	1.2
10°-20°	353.1	3.5
20°-30°	623.3	6.2
30°-40°	970.7	9.7
40°-50°	1598.1	15.9
50°-60°	2281.0	22.7
60°-70°	2418.7	24.1
70°-80°	1335.9	13.3
80°-90°	345.7	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°	10048.0	100.0
0°-180°	10048.0	100.0

Coefficient of Utilization



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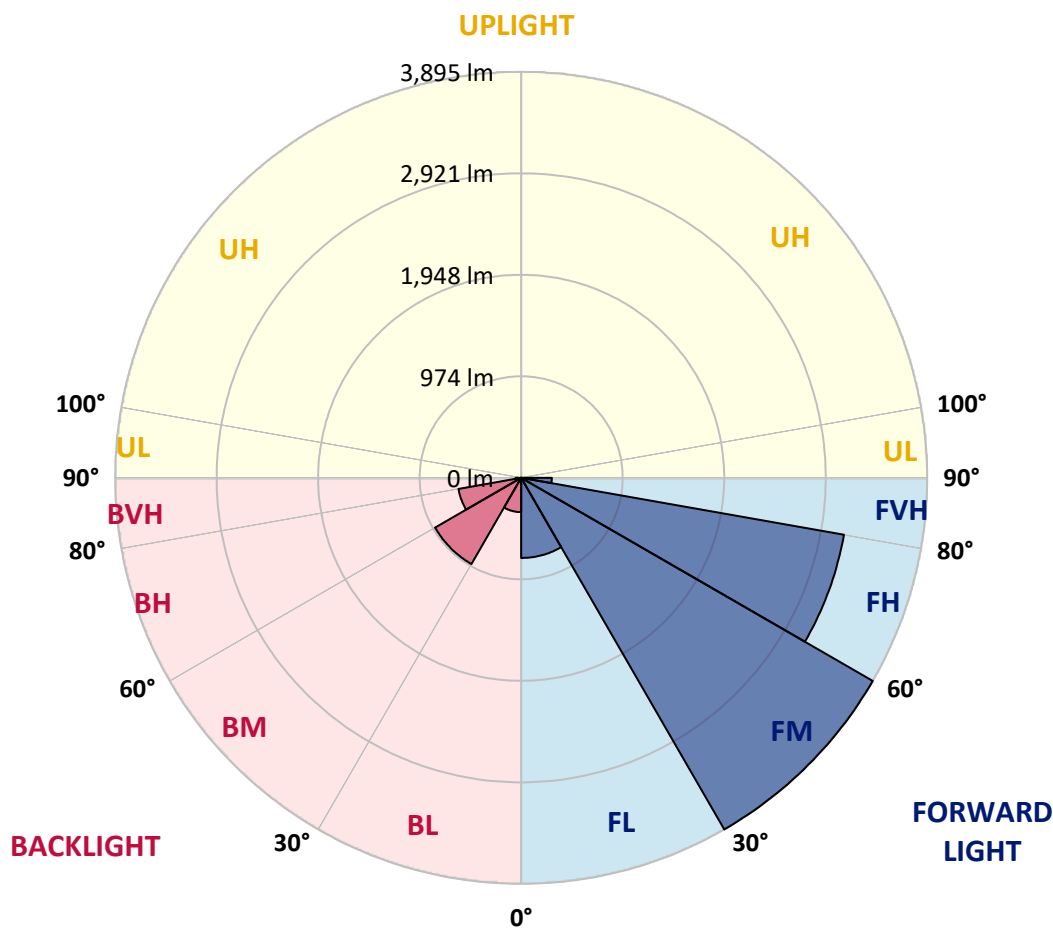
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	768.8	7.7			
FM	(30°-60°)	3895.3	38.8			
FH	(60°-80°)	3144.0	31.3			G2/5000
FVH	(80°-90°)	293.8	2.9			G3/500
BL	(0°-30°)	329.0	3.3	B1/500		
BM	(30°-60°)	954.6	9.5	B1/1000		
BH	(60°-80°)	610.6	6.1	B2/1000		G2/1000
BVH	(80°-90°)	51.9	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°	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8
2.5°	1419.2	1428.0	1436.3	1419.7	1403.2	1386.1	1369.5	1344.6	1319.3	1294.4	1269.0
5°	1704.6	1672.4	1639.7	1626.5	1613.8	1600.7	1587.5	1575.3	1563.1	1550.4	1538.2
7.5°	1793.8	1748.0	1701.6	1682.1	1662.6	1642.6	1623.1	1579.2	1535.3	1490.9	1447.0
10°	1695.8	1648.0	1599.7	1580.7	1561.2	1542.2	1522.6	1469.0	1415.8	1362.2	1308.5
12.5°	1774.8	1726.0	1676.8	1616.3	1555.8	1494.8	1434.4	1404.6	1374.9	1344.6	1314.9
15°	1850.9	1785.0	1718.7	1658.2	1597.8	1536.8	1476.3	1416.8	1357.3	1297.8	1238.3
17.5°	2128.9	2019.1	1909.4	1800.2	1690.4	1581.2	1471.4	1402.7	1333.4	1264.6	1195.4
20°	2467.8	2315.2	2162.0	1996.2	1829.9	1664.1	1497.8	1411.0	1324.6	1237.8	1151.0
22.5°	2871.2	2678.5	2485.9	2276.6	2067.4	1857.7	1648.5	1522.6	1396.8	1270.5	1144.7
25°	3191.6	3006.3	2820.9	2555.6	2290.3	2025.0	1759.7	1616.8	1473.9	1330.5	1187.6
27.5°	3502.8	3207.7	2912.1	2608.3	2304.9	2001.1	1697.2	1565.1	1432.9	1300.7	1168.6
30°	3765.6	3531.5	3297.4	2900.9	2504.4	2107.4	1710.9	1548.5	1386.1	1223.7	1061.3
32.5°	4150.4	3816.4	3481.8	3068.2	2654.6	2241.0	1827.5	1619.7	1411.9	1204.2	996.4
35°	4600.6	4253.4	3906.1	3394.5	2883.4	2371.8	1860.1	1640.2	1419.7	1199.8	979.3
37.5°	5440.0	4827.9	4215.3	3656.9	3098.4	2539.5	1981.1	1725.5	1470.0	1213.9	958.4
40°	5902.8	5337.1	4771.3	4075.3	3379.4	2682.9	1986.9	1725.5	1463.6	1202.2	940.3
42.5°	6519.8	5804.3	5088.3	4335.8	3583.7	2831.2	2078.6	1788.9	1499.2	1209.0	919.3
45°	6895.8	6098.4	5300.5	4496.2	3692.0	2887.8	2083.5	1789.4	1495.3	1201.2	907.1
47.5°	7138.2	6372.5	5606.3	4740.6	3874.9	3008.7	2143.0	1830.9	1518.3	1206.1	893.5
50°	7367.9	6609.5	5850.6	4951.8	4053.4	3154.5	2255.7	1914.8	1573.9	1232.5	891.5
52.5°	7649.8	6951.4	6252.5	5288.3	4323.6	3359.4	2394.7	2023.5	1652.4	1281.2	910.1
55°	8060.0	7371.8	6683.1	5648.2	4612.8	3577.9	2542.5	2130.3	1718.7	1306.6	894.5
57.5°	8325.8	7627.8	6929.9	5874.5	4819.1	3763.2	2707.8	2251.3	1794.8	1337.8	881.3
60°	8237.5	7517.6	6797.3	5791.1	4785.0	3778.8	2772.7	2279.6	1787.0	1293.9	800.8
62.5°	7847.3	7082.1	6316.9	5415.6	4514.8	3613.5	2712.2	2210.8	1709.9	1208.6	707.2
65°	7302.1	6511.0	5719.4	4906.4	4093.4	3280.4	2467.3	2012.3	1556.8	1101.7	646.2
67.5°	6632.9	5808.2	4983.0	4263.1	3543.2	2822.9	2103.0	1722.6	1342.7	962.3	581.8
70°	5793.6	4983.0	4172.4	3549.6	2926.8	2304.0	1681.1	1394.9	1109.1	822.8	536.5
72.5°	4656.7	3957.3	3257.9	2767.8	2277.6	1787.5	1297.3	1098.3	899.8	700.8	501.9
75°	3312.1	2900.9	2489.8	2108.4	1727.0	1345.1	963.7	835.0	706.2	577.5	448.7
77.5°	2353.7	2111.3	1868.9	1570.0	1271.0	972.0	673.0	597.4	522.3	446.7	371.2
80°	1740.2	1537.8	1335.4	1110.0	884.7	659.4	434.1	397.0	360.4	323.4	286.3
82.5°	1145.6	1054.4	962.7	784.2	605.7	427.2	248.7	235.1	221.4	207.8	194.1
85°	513.1	541.9	570.1	460.9	351.2	241.9	132.2	125.8	119.5	113.1	106.8
87.5°	49.3	72.7	96.1	82.4	68.3	54.6	40.5	40.0	40.0	39.5	39.0
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°	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8
2.5°	1275.9	1282.7	1289.5	1296.3	1289.0	1281.7	1273.9	1266.6	1257.3	1248.1	1238.3
5°	1517.8	1496.8	1476.3	1455.3	1424.1	1392.9	1361.2	1330.0	1326.1	1321.7	1317.8
7.5°	1408.5	1370.5	1331.9	1293.4	1244.6	1196.4	1147.6	1098.8	1084.2	1069.6	1054.9
10°	1282.7	1256.4	1230.5	1204.2	1173.9	1143.7	1113.0	1082.7	1042.7	1002.3	962.3
12.5°	1272.0	1229.0	1185.6	1142.7	1124.2	1105.6	1087.1	1068.6	1033.5	998.4	962.7
15°	1203.7	1168.6	1133.9	1098.8	1072.0	1045.2	1018.3	991.5	963.2	934.5	906.2
17.5°	1155.4	1115.4	1075.4	1035.4	1004.7	974.0	942.8	912.0	877.9	843.3	809.1
20°	1105.2	1059.8	1014.0	968.1	929.1	890.6	851.5	812.5	775.0	737.9	700.4
22.5°	1084.7	1024.7	964.7	904.7	863.7	822.3	781.3	739.9	705.2	670.6	636.0
25°	1115.9	1044.7	973.0	901.3	846.2	790.6	735.5	679.9	651.1	622.3	593.1
27.5°	1079.3	989.6	900.3	810.6	751.6	692.1	633.1	573.6	569.2	564.8	559.9
30°	967.1	873.0	778.9	684.8	630.6	576.0	521.9	467.2	457.0	446.3	436.0
32.5°	900.3	804.2	708.2	612.1	563.8	515.0	466.7	418.0	406.3	394.6	382.9
35°	875.0	770.6	666.2	561.8	520.4	478.9	437.5	396.0	387.7	379.9	371.6
37.5°	854.5	751.1	647.2	543.3	503.3	463.3	422.8	382.9	376.5	370.2	363.8
40°	835.0	730.1	624.8	519.4	483.8	448.7	413.1	377.5	373.6	369.7	365.3
42.5°	817.4	715.5	613.1	511.1	479.4	448.2	416.5	384.8	380.9	377.0	373.1
45°	807.7	708.2	608.7	509.2	486.3	463.3	439.9	417.0	407.7	398.5	388.7
47.5°	800.3	707.2	614.0	520.9	497.0	473.1	449.2	425.3	417.0	408.7	399.9
50°	801.8	712.5	622.8	533.1	504.3	475.0	446.3	417.0	416.0	415.0	414.1
52.5°	815.0	720.4	625.2	530.1	498.9	467.7	436.0	404.8	411.1	417.0	423.3
55°	795.9	697.4	598.4	499.9	470.2	440.9	411.1	381.4	389.7	397.5	405.8
57.5°	774.5	667.7	560.9	454.1	431.6	409.2	386.3	363.8	372.6	381.9	390.7
60°	703.3	605.7	508.2	410.7	395.5	380.4	365.3	350.2	354.1	358.0	361.9
62.5°	625.2	542.8	460.9	378.5	366.8	354.6	342.9	330.7	330.7	331.2	331.2
65°	575.5	504.8	434.1	363.3	350.2	337.0	323.4	310.2	308.2	306.3	304.3
67.5°	525.8	470.2	414.1	358.0	339.0	320.4	301.4	282.4	279.9	278.0	275.6
70°	486.7	437.0	387.2	337.5	316.0	295.1	273.6	252.1	250.2	248.7	246.8
72.5°	455.0	408.7	361.9	315.1	292.6	269.7	247.3	224.3	222.9	221.4	219.5
75°	407.2	366.3	324.8	283.4	261.4	240.0	218.0	196.1	194.1	192.6	190.7
77.5°	337.0	302.4	268.2	233.6	216.5	200.0	182.9	165.8	164.8	163.9	162.4
80°	259.5	232.6	205.3	178.5	167.3	155.6	144.4	132.7	132.2	131.7	130.7
82.5°	178.0	161.9	145.8	129.7	121.4	112.7	104.4	95.6	96.1	96.6	97.1
85°	101.4	95.6	90.2	84.4	77.5	71.2	64.4	57.6	59.0	60.5	61.5
87.5°	37.1	35.1	33.2	31.2	27.8	24.9	21.5	18.0	19.0	20.5	21.5
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: P367734

CATALOG NUMBER: MSA-SA3A-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: P367734

CATALOG NUMBER: MSA-SA3A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8
2.5°	1229.0	1214.4	1199.8	1185.1	1170.5	1140.3	1110.5	1080.3	1050.0	1068.6	1087.6
5°	1313.4	1288.5	1263.2	1238.3	1212.9	1198.8	1184.7	1170.5	1156.4	1163.7	1171.5
7.5°	1040.3	1025.7	1010.5	995.9	980.8	974.5	968.6	962.3	955.9	974.0	992.0
10°	921.8	901.3	880.8	859.8	839.4	827.2	815.0	802.8	790.6	795.5	800.3
12.5°	927.6	897.4	867.2	836.9	806.7	788.6	770.6	752.5	734.5	738.9	743.3
15°	877.4	846.2	815.0	783.8	752.5	731.6	710.1	689.1	667.7	660.4	652.6
17.5°	774.5	740.3	706.2	672.1	637.9	623.8	609.6	595.5	581.4	573.6	565.7
20°	662.8	631.1	599.4	567.7	536.0	526.2	516.5	506.2	496.5	491.6	486.3
22.5°	601.4	581.8	561.8	542.3	522.3	511.1	500.4	489.2	478.0	472.6	466.7
25°	564.3	568.2	572.6	576.5	580.4	575.5	570.1	565.3	559.9	561.8	563.3
27.5°	555.5	563.8	572.6	580.9	589.2	593.5	597.9	602.3	606.7	608.2	609.6
30°	425.3	429.7	433.6	438.0	441.9	454.1	466.3	478.0	490.2	509.2	528.7
32.5°	371.2	369.7	368.2	366.3	364.8	367.7	370.7	373.1	376.0	382.9	390.2
35°	363.3	359.9	356.0	352.6	348.7	350.2	351.6	353.1	354.6	359.9	365.3
37.5°	357.5	356.0	355.1	353.6	352.1	355.5	358.5	361.9	364.8	369.2	373.6
40°	361.4	360.9	360.4	359.4	359.0	360.9	362.9	364.8	366.8	372.6	378.5
42.5°	369.2	369.2	368.7	368.7	368.2	370.2	371.6	373.6	375.1	378.5	381.9
45°	379.4	378.5	378.0	377.0	376.0	375.5	375.5	375.1	374.6	376.5	379.0
47.5°	391.6	388.2	384.3	380.9	377.0	376.0	374.6	373.6	372.1	373.1	374.1
50°	413.1	403.8	395.0	385.8	376.5	374.1	371.6	369.2	366.8	366.3	366.3
52.5°	429.2	415.5	401.9	388.2	374.6	370.2	365.8	361.4	357.0	356.0	355.5
55°	413.6	403.3	393.6	383.3	373.1	366.8	359.9	353.6	346.8	345.3	343.8
57.5°	399.4	393.1	386.8	380.4	374.1	367.7	360.9	354.6	347.7	344.3	340.9
60°	365.8	365.8	366.3	366.3	366.3	359.4	352.6	345.8	339.0	335.5	332.6
62.5°	331.2	336.5	341.4	346.8	351.6	342.4	332.6	323.4	313.6	311.2	309.2
65°	302.4	303.8	305.8	307.3	308.7	301.4	294.1	286.8	279.5	278.0	276.0
67.5°	273.1	272.6	272.1	271.2	270.7	266.3	261.4	257.0	252.1	250.2	248.2
70°	244.8	244.3	243.9	242.9	242.4	238.5	234.6	230.7	226.8	225.3	223.9
72.5°	218.0	217.5	216.5	216.1	215.1	211.7	208.7	205.3	201.9	200.0	198.0
75°	188.7	187.8	186.8	185.8	184.8	181.9	179.0	175.6	172.7	170.7	168.7
77.5°	161.4	160.0	158.5	156.6	155.1	152.7	149.7	147.3	144.4	141.9	140.0
80°	130.2	129.2	128.3	126.8	125.8	123.4	121.0	118.0	115.6	112.7	110.2
82.5°	97.5	97.1	96.1	95.6	94.6	92.2	89.7	87.3	84.9	81.9	79.0
85°	62.9	62.4	61.9	61.5	61.0	59.0	57.6	55.6	53.6	50.7	48.3
87.5°	22.4	21.5	21.0	20.0	19.0	18.5	17.6	17.1	16.1	14.6	13.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367734

CATALOG NUMBER: MSA-SA3A-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: P367734

CATALOG NUMBER: MSA-SA3A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8
2.5°	1106.1	1124.7	1125.2	1125.2	1133.9	1142.2	1125.2	1108.1	1090.5	1073.5	1056.4
5°	1178.8	1186.1	1184.2	1181.7	1171.0	1160.3	1149.1	1137.8	1126.6	1115.4	1115.9
7.5°	1010.1	1028.1	1042.7	1056.9	1043.2	1029.6	1022.2	1014.9	1007.6	1000.3	999.3
10°	804.7	809.6	815.5	820.8	812.5	803.8	818.4	833.0	847.2	861.8	845.7
12.5°	747.7	752.1	741.8	731.1	727.7	724.3	720.8	716.9	713.5	709.6	707.7
15°	645.2	637.4	629.6	621.3	619.4	617.0	614.5	611.6	609.2	606.2	597.4
17.5°	557.9	550.1	537.0	523.3	518.0	512.1	510.6	509.2	507.2	505.8	497.5
20°	481.4	476.0	472.6	468.7	463.3	458.0	452.6	447.2	441.4	436.0	428.2
22.5°	461.4	455.5	451.1	446.3	445.3	444.3	434.6	424.3	414.6	404.3	399.9
25°	565.3	566.7	539.9	512.6	510.1	507.7	490.2	472.1	454.5	436.5	421.4
27.5°	610.6	612.1	611.1	610.1	602.3	594.0	564.3	534.0	504.3	474.1	452.6
30°	547.7	566.7	574.0	581.4	576.0	570.1	538.9	508.2	477.0	445.8	431.6
32.5°	397.0	403.8	416.0	427.7	434.1	439.9	430.2	420.4	410.7	400.9	398.5
35°	370.2	375.5	378.0	380.4	376.5	372.6	365.3	358.0	350.2	342.9	341.4
37.5°	377.5	381.9	386.8	391.6	380.9	369.7	361.4	353.6	345.3	337.0	330.2
40°	384.3	390.2	393.1	396.0	385.3	374.6	364.3	354.6	344.3	334.1	327.3
42.5°	385.3	388.7	394.1	399.4	384.3	368.7	359.4	349.7	340.4	330.7	323.8
45°	380.9	382.9	387.7	392.6	375.1	357.0	348.7	339.9	331.6	322.9	317.0
47.5°	374.6	375.5	379.4	382.9	364.3	345.3	337.5	329.7	321.4	313.6	307.7
50°	365.8	365.3	368.2	370.7	351.6	332.6	324.8	317.5	309.7	301.9	297.0
52.5°	354.6	353.6	356.5	359.0	339.0	319.0	312.1	305.8	299.0	292.1	288.2
55°	341.9	340.4	342.9	345.3	325.8	305.8	299.9	293.6	287.8	281.4	278.0
57.5°	337.0	333.6	335.1	336.5	314.6	292.6	286.8	280.9	275.1	269.2	266.8
60°	329.2	325.8	327.3	328.2	304.8	280.9	275.6	269.7	264.3	258.5	256.0
62.5°	306.8	304.3	306.3	308.2	287.3	265.8	260.9	256.5	251.7	246.8	243.4
65°	274.6	272.6	276.5	280.4	262.4	244.3	241.4	238.5	235.1	232.2	228.7
67.5°	246.3	244.3	248.2	252.1	239.0	225.8	222.9	220.0	217.0	214.1	212.2
70°	222.4	220.9	224.3	227.8	216.5	205.3	202.4	200.0	197.0	194.1	192.6
72.5°	195.6	193.6	198.0	201.9	192.6	182.9	180.5	177.5	175.1	172.2	171.2
75°	166.8	164.8	168.7	172.2	165.8	159.0	156.6	154.1	151.7	149.2	148.8
77.5°	137.5	135.1	139.0	142.4	138.5	134.1	132.2	129.7	127.8	125.3	125.3
80°	107.3	104.4	107.3	109.7	108.3	106.8	105.3	103.4	101.9	100.0	100.5
82.5°	76.1	73.2	74.6	76.1	77.1	78.0	78.0	78.0	78.0	78.0	78.0
85°	45.4	42.4	42.9	43.4	44.9	46.3	46.8	47.3	47.8	48.3	48.8
87.5°	11.7	10.2	9.3	7.8	9.3	10.2	11.2	11.7	12.7	13.2	13.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367734

CATALOG NUMBER: MSA-SA3A-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: P367734

CATALOG NUMBER: MSA-SA3A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8
2.5°	1039.3	1021.8	1004.7	1015.4	1025.7	1036.4	1046.6	1047.1	1047.1	1047.6	1047.6
5°	1116.9	1117.4	1117.8	1107.6	1097.8	1087.6	1077.4	1072.0	1066.6	1060.8	1055.4
7.5°	997.9	996.9	995.4	985.7	975.9	966.2	956.4	933.0	909.1	885.7	861.8
10°	829.1	813.0	796.4	792.5	789.1	785.2	781.3	775.0	769.1	762.8	756.4
12.5°	705.7	703.8	701.8	691.6	681.3	670.6	660.4	660.4	660.4	660.4	660.4
15°	588.2	579.4	570.1	565.3	559.9	555.0	549.7	547.2	544.8	542.3	539.9
17.5°	488.7	480.4	471.6	470.6	469.7	468.7	467.7	465.3	462.8	460.4	458.0
20°	420.4	412.6	404.8	407.7	410.7	413.1	416.0	413.6	411.1	408.2	405.8
22.5°	395.0	390.7	385.8	383.3	380.9	378.0	375.5	375.5	376.0	376.0	376.0
25°	406.8	391.6	376.5	369.2	361.9	354.1	346.8	343.8	341.4	338.5	335.5
27.5°	431.1	409.2	387.7	375.1	362.4	349.7	337.0	331.6	325.8	320.4	314.6
30°	417.0	402.9	388.2	373.6	359.0	344.3	329.7	322.9	316.0	308.7	301.9
32.5°	396.0	393.1	390.7	377.0	363.3	349.2	335.5	332.6	330.2	327.3	324.3
35°	339.4	338.0	336.0	332.6	329.2	325.8	322.4	318.5	314.6	310.7	306.8
37.5°	323.8	317.0	310.2	308.7	307.3	305.8	304.3	302.9	301.4	299.5	298.0
40°	320.4	313.6	306.8	304.3	301.9	299.0	296.5	297.0	298.0	298.5	299.0
42.5°	316.5	309.7	302.4	300.4	298.5	296.5	294.6	295.1	296.0	296.5	297.0
45°	311.6	305.8	299.9	296.5	293.6	290.2	286.8	289.7	292.6	295.1	298.0
47.5°	301.9	295.6	289.7	287.8	285.8	283.4	281.4	284.3	287.3	289.7	292.6
50°	291.7	286.8	281.4	280.9	280.4	279.5	279.0	280.9	282.9	284.8	286.8
52.5°	283.8	279.9	275.6	275.6	275.1	275.1	274.6	276.5	278.5	279.9	281.9
55°	275.1	271.7	268.2	268.7	269.7	270.2	270.7	272.6	275.1	277.0	279.0
57.5°	263.9	261.4	258.5	260.4	261.9	263.9	265.3	266.8	268.7	270.2	271.7
60°	253.1	250.7	247.8	249.7	252.1	254.1	256.0	257.5	259.0	260.4	261.9
62.5°	240.0	236.1	232.6	235.6	238.0	240.9	243.4	244.3	245.8	246.8	247.8
65°	225.8	222.4	219.0	220.9	222.9	224.3	226.3	227.8	229.2	230.7	232.2
67.5°	209.7	207.8	205.3	206.8	208.3	209.7	211.2	211.7	211.7	212.2	212.2
70°	190.7	189.2	187.3	188.3	189.7	190.7	191.7	191.7	191.7	191.2	191.2
72.5°	170.7	169.7	168.7	169.2	170.2	170.7	171.2	170.7	170.2	169.7	169.2
75°	148.3	147.8	147.3	147.8	148.8	149.2	149.7	149.2	148.3	147.8	146.8
77.5°	125.8	125.8	125.8	125.8	126.3	126.3	126.3	125.3	124.4	123.4	122.4
80°	101.0	101.4	101.9	101.9	101.9	101.9	101.9	101.0	100.0	98.5	97.5
82.5°	78.0	78.0	78.0	78.0	78.5	78.5	78.5	76.1	74.1	71.7	69.3
85°	48.8	49.3	49.3	49.7	50.2	50.2	50.7	47.3	44.4	41.0	37.6
87.5°	13.2	13.2	13.2	13.2	13.2	12.7	12.7	9.8	6.3	3.4	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: P367734

CATALOG NUMBER: MSA-SA3A-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: P367734

CATALOG NUMBER: MSA-SA3A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8
2.5°	1050.5	1053.5	1055.9	1058.8	1059.3	1059.8	1059.8	1060.3	1050.0	1039.8	1029.1
5°	1062.7	1069.6	1076.9	1083.7	1082.2	1080.8	1079.3	1077.8	1074.9	1072.5	1069.6
7.5°	856.4	851.5	846.2	840.8	845.2	849.6	854.0	858.4	860.3	862.3	863.7
10°	744.3	732.1	719.9	707.7	700.8	693.5	686.7	679.4	678.4	677.9	676.9
12.5°	647.7	634.5	621.8	608.7	604.8	600.4	596.5	592.1	596.0	599.9	603.3
15°	534.5	529.7	524.3	518.9	523.3	527.7	532.1	536.5	540.4	543.8	547.7
17.5°	455.5	453.6	451.1	448.7	452.6	457.0	460.9	464.8	473.6	482.3	491.1
20°	403.8	402.4	400.4	398.5	397.0	395.0	393.6	391.6	404.3	416.5	429.2
22.5°	373.1	370.2	367.2	364.3	364.8	365.3	365.3	365.8	376.0	386.8	397.0
25°	334.6	333.6	332.6	331.6	334.6	337.5	339.9	342.9	352.1	361.4	370.2
27.5°	315.1	315.6	316.0	316.5	320.4	324.8	328.7	332.6	339.0	345.3	351.6
30°	304.3	307.3	309.7	312.1	313.6	315.1	316.5	318.0	324.3	330.2	336.5
32.5°	320.4	316.5	312.1	308.2	310.2	312.6	314.6	316.5	322.4	328.2	334.1
35°	305.3	303.4	301.9	299.9	302.4	304.8	306.8	309.2	314.6	319.5	324.8
37.5°	297.5	297.0	296.5	296.0	297.5	299.0	299.9	301.4	306.3	311.2	315.6
40°	297.0	294.6	292.6	290.2	291.7	293.1	294.1	295.6	301.4	307.3	313.1
42.5°	294.1	291.2	287.8	284.8	286.3	288.2	289.7	291.2	297.5	303.4	309.7
45°	293.6	289.2	284.3	279.9	281.9	283.8	285.8	287.8	292.6	297.5	301.9
47.5°	288.2	283.8	279.5	275.1	276.0	277.0	277.5	278.5	282.9	286.8	291.2
50°	283.8	280.4	277.5	274.1	272.6	271.7	270.2	268.7	272.1	275.6	279.0
52.5°	278.5	275.1	271.2	267.8	265.8	263.9	261.9	260.0	262.9	265.3	268.2
55°	275.1	270.7	266.8	262.4	260.0	257.5	255.1	252.6	254.6	256.0	258.0
57.5°	267.8	263.9	259.5	255.6	252.6	249.7	246.3	243.4	244.3	245.3	246.3
60°	258.0	253.6	249.7	245.3	241.9	238.5	234.6	231.2	231.7	232.6	233.1
62.5°	243.9	240.0	235.6	231.7	227.8	224.3	220.4	216.5	217.5	218.0	219.0
65°	228.3	223.9	220.0	215.6	212.2	208.7	204.8	201.4	202.4	203.4	203.9
67.5°	209.2	205.8	202.9	199.5	196.5	193.1	190.2	186.8	187.3	187.8	188.3
70°	188.7	185.8	183.4	180.5	178.0	175.6	173.1	170.7	170.7	171.2	171.2
72.5°	166.8	164.4	161.9	159.5	157.0	155.1	152.7	150.2	151.2	152.2	152.7
75°	144.4	142.4	140.0	137.5	135.6	133.6	131.2	129.2	130.2	131.2	131.7
77.5°	121.0	119.5	117.5	116.1	114.1	112.2	109.7	107.8	108.8	109.7	110.2
80°	96.6	95.6	94.1	93.2	91.2	89.3	87.3	85.3	85.8	85.8	86.3
82.5°	69.7	70.2	70.2	70.7	69.3	67.3	65.8	63.9	63.9	63.9	63.4
85°	39.0	41.0	42.4	43.9	42.4	41.0	39.5	38.0	37.6	37.6	37.1
87.5°	1.5	2.4	3.9	4.9	4.4	3.9	2.9	2.4	2.9	3.4	3.4
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: P367734

CATALOG NUMBER: MSA-SA3A-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: P367734

CATALOG NUMBER: MSA-SA3A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8
2.5°	1018.8	1027.1	1035.4	1043.7	1052.0	1064.7	1077.4	1090.5	1103.7	1096.4	1088.6
5°	1066.6	1071.5	1076.9	1081.7	1086.6	1100.8	1114.4	1131.5	1148.1	1146.1	1143.7
7.5°	865.7	872.5	879.3	885.7	892.5	914.0	935.4	953.5	971.5	969.1	966.2
10°	676.0	690.1	704.7	718.9	733.0	750.6	767.7	782.8	797.9	823.3	848.1
12.5°	607.2	629.2	651.1	673.0	695.0	707.7	719.9	739.4	758.9	772.5	786.7
15°	551.1	571.6	592.1	612.6	633.1	634.0	635.0	655.5	676.0	687.7	698.9
17.5°	499.9	511.1	522.3	533.1	544.3	540.4	536.5	546.2	555.5	560.4	565.7
20°	441.4	449.2	457.0	464.8	472.6	478.0	482.8	488.7	494.1	489.2	483.8
22.5°	407.2	418.9	431.1	442.8	454.5	458.0	460.9	457.5	454.1	452.6	451.1
25°	379.4	393.6	408.2	422.4	436.5	443.3	450.2	453.1	455.5	450.2	444.8
27.5°	358.0	375.1	391.6	408.7	425.3	437.5	449.7	453.1	456.0	452.1	447.7
30°	342.4	360.9	379.4	398.0	416.5	435.0	453.1	469.2	484.8	483.3	481.9
32.5°	339.9	352.6	365.3	378.0	390.7	402.4	413.6	414.6	415.0	411.1	406.8
35°	329.7	338.0	346.3	354.6	362.9	370.2	377.0	376.0	375.1	371.2	367.2
37.5°	320.4	328.7	337.5	345.8	354.1	366.8	379.0	376.5	373.6	369.7	365.8
40°	319.0	328.2	337.5	346.3	355.5	367.2	379.0	376.5	374.1	369.2	364.3
42.5°	315.6	324.8	333.6	342.9	351.6	365.8	379.4	375.1	370.2	366.3	362.4
45°	306.8	315.1	323.4	331.6	339.9	355.1	370.2	364.8	359.4	358.0	356.0
47.5°	295.1	303.4	311.6	319.9	328.2	343.4	358.0	353.6	348.7	348.2	347.3
50°	282.4	290.2	298.5	306.3	314.1	329.2	343.8	339.9	336.0	336.5	336.5
52.5°	270.7	278.0	284.8	292.1	299.0	314.1	328.7	325.8	322.4	323.4	323.8
55°	259.5	265.3	271.2	277.0	282.9	297.5	312.1	307.7	303.4	304.8	306.3
57.5°	247.3	252.1	257.0	261.4	266.3	280.9	295.1	290.2	284.8	287.3	289.2
60°	233.6	238.0	242.4	246.3	250.7	263.9	276.5	272.1	267.3	270.7	273.6
62.5°	219.5	222.9	226.3	229.7	233.1	245.3	257.5	254.1	250.7	254.6	258.0
65°	204.8	207.3	210.2	212.6	215.1	226.8	238.0	235.6	233.1	236.5	240.0
67.5°	188.7	190.7	193.1	195.1	197.0	207.8	218.5	216.1	213.1	216.1	218.5
70°	171.2	173.1	174.6	176.6	178.0	187.8	197.5	194.1	190.2	193.1	195.6
72.5°	153.6	154.6	156.1	157.0	158.0	165.3	172.7	169.7	166.8	169.7	172.2
75°	132.7	133.6	134.6	135.6	136.6	142.9	148.8	145.3	141.4	144.4	147.3
77.5°	111.2	111.7	112.7	113.1	113.6	118.0	121.9	118.5	114.6	118.0	121.4
80°	86.3	86.8	87.3	87.3	87.8	89.3	90.7	88.3	85.3	89.7	94.1
82.5°	63.4	62.9	62.9	62.4	61.9	61.9	61.5	60.0	58.0	61.9	65.8
85°	36.6	36.1	35.1	34.6	33.7	32.2	30.7	30.2	29.8	33.2	36.6
87.5°	3.9	3.4	2.4	2.0	1.0	0.5	0.0	0.0	0.0	2.0	4.4
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: P367734

CATALOG NUMBER: MSA-SA3A-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: P367734

CATALOG NUMBER: MSA-SA3A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8
2.5°	1081.3	1073.5	1066.1	1058.8	1051.5	1044.2	1057.9	1071.5	1085.2	1098.8	1111.0
5°	1141.7	1139.3	1133.0	1127.1	1120.8	1114.4	1117.8	1121.7	1125.2	1128.6	1135.9
7.5°	963.7	960.8	974.5	987.6	1001.3	1014.4	1017.9	1020.8	1024.2	1027.1	1025.2
10°	873.5	898.4	904.7	910.6	916.9	922.8	932.5	942.3	951.5	961.3	966.6
12.5°	800.3	814.0	836.4	859.4	881.8	904.2	918.9	933.5	948.1	962.7	993.0
15°	710.6	721.8	738.9	756.0	773.0	790.1	811.1	832.5	853.5	874.5	907.6
17.5°	570.6	575.5	588.2	600.9	613.1	625.7	654.0	681.8	710.1	737.9	776.0
20°	478.9	473.6	473.6	474.1	474.1	474.1	502.3	530.1	558.4	586.2	636.5
22.5°	449.2	447.7	442.4	436.5	431.1	425.3	439.9	455.0	469.7	484.3	525.3
25°	438.9	433.6	426.7	419.9	413.1	406.3	415.5	424.8	434.1	443.3	475.5
27.5°	443.8	439.4	442.8	445.8	449.2	452.1	455.0	458.0	460.9	463.8	475.0
30°	480.4	478.9	484.3	489.2	494.5	499.4	492.6	486.3	479.4	472.6	476.5
32.5°	402.9	398.5	396.5	394.6	392.6	390.7	390.2	389.7	388.7	388.2	397.0
35°	363.3	359.4	356.5	353.6	350.2	347.3	348.7	349.7	351.2	352.1	361.9
37.5°	361.9	358.0	354.6	351.2	347.3	343.8	345.3	347.3	348.7	350.2	357.5
40°	359.4	354.6	352.6	350.7	348.7	346.8	347.7	348.7	349.2	350.2	355.5
42.5°	358.0	354.1	353.1	352.1	351.2	350.2	351.2	352.1	352.6	353.6	359.9
45°	354.6	352.6	353.6	354.6	355.5	356.5	356.5	356.5	356.5	356.5	363.3
47.5°	346.8	345.8	348.7	351.6	354.6	357.5	362.4	367.2	371.6	376.5	378.0
50°	337.0	337.0	341.9	346.8	351.2	356.0	367.7	379.0	390.7	401.9	394.6
52.5°	324.8	325.3	332.6	339.4	346.8	353.6	364.3	375.1	385.3	396.0	385.3
55°	307.3	308.7	318.0	326.8	336.0	344.8	353.1	361.4	369.7	378.0	366.8
57.5°	291.7	293.6	303.4	312.6	322.4	331.6	336.5	341.9	346.8	351.6	344.3
60°	277.0	279.9	292.6	305.3	317.5	330.2	326.3	322.4	318.0	314.1	313.6
62.5°	261.9	265.3	277.0	288.7	299.9	311.6	305.8	299.9	293.6	287.8	290.2
65°	242.9	246.3	251.7	257.0	261.9	267.3	266.8	266.8	266.3	265.8	270.7
67.5°	221.4	223.9	227.3	230.2	233.6	236.5	238.5	240.9	242.9	244.8	250.7
70°	198.5	200.9	204.4	207.3	210.7	213.6	216.1	218.5	220.4	222.9	228.7
72.5°	175.1	177.5	180.9	184.4	187.3	190.7	192.6	194.6	196.1	198.0	202.9
75°	150.2	153.1	156.6	159.5	162.9	165.8	167.3	168.7	170.2	171.7	176.1
77.5°	124.9	128.3	131.7	135.1	138.5	141.9	142.4	142.9	143.4	143.9	147.8
80°	98.0	102.4	105.8	109.2	112.7	116.1	116.1	116.1	116.1	116.1	118.0
82.5°	69.7	73.6	77.5	81.0	84.9	88.3	88.3	87.8	87.8	87.3	87.3
85°	40.0	43.4	45.8	48.8	51.2	53.6	53.6	53.6	53.2	53.2	52.2
87.5°	6.3	8.3	9.3	10.7	11.7	12.7	12.2	12.2	11.7	11.2	9.8
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: P367734

CATALOG NUMBER: MSA-SA3A-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: P367734

CATALOG NUMBER: MSA-SA3A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8
2.5°	1123.2	1135.4	1147.6	1145.6	1143.7	1141.7	1139.8	1147.1	1153.9	1161.2	1168.1
5°	1142.7	1150.0	1156.9	1162.2	1167.6	1173.0	1178.3	1203.2	1227.6	1252.4	1276.8
7.5°	1023.2	1020.8	1018.8	1041.8	1065.2	1088.1	1111.0	1142.7	1174.4	1206.1	1237.8
10°	972.0	977.4	982.7	992.0	1001.8	1011.0	1020.3	1051.5	1082.7	1113.9	1145.2
12.5°	1022.7	1053.0	1082.7	1090.0	1097.8	1105.2	1112.5	1118.8	1125.2	1131.0	1137.3
15°	940.8	974.0	1007.1	1026.1	1045.2	1063.7	1082.7	1130.5	1177.8	1225.6	1272.9
17.5°	813.5	851.5	889.1	935.9	982.7	1029.6	1076.4	1120.3	1164.2	1207.6	1251.5
20°	686.7	736.4	786.7	837.9	888.6	939.8	990.5	1033.5	1076.4	1118.8	1161.7
22.5°	565.7	606.7	647.2	709.6	771.6	834.0	895.9	975.9	1055.4	1135.4	1214.9
25°	507.2	539.4	571.1	635.5	699.9	763.8	828.1	932.0	1035.4	1139.3	1242.7
27.5°	486.7	498.0	509.2	567.7	625.7	684.3	742.3	854.5	966.6	1078.3	1190.5
30°	480.4	484.3	488.2	534.0	579.9	625.7	671.6	782.3	893.5	1004.2	1114.9
32.5°	405.3	414.1	422.4	467.2	511.6	556.5	600.9	712.5	823.7	935.4	1046.6
35°	371.6	381.4	391.1	435.0	478.9	522.3	566.2	683.8	801.8	919.3	1036.9
37.5°	364.8	372.1	379.4	429.2	478.9	528.7	578.4	697.4	816.4	935.4	1054.4
40°	361.4	366.8	372.1	420.4	469.2	517.5	565.7	690.6	815.0	939.8	1064.2
42.5°	365.8	372.1	378.0	421.9	465.3	509.2	552.6	681.8	810.6	939.8	1068.6
45°	369.7	376.5	382.9	423.8	464.8	505.8	546.7	684.8	822.3	960.3	1097.8
47.5°	379.0	380.4	381.4	417.0	452.1	487.7	522.8	663.3	803.8	943.7	1084.2
50°	386.8	379.4	371.6	408.7	445.3	482.3	518.9	652.1	785.2	917.9	1051.0
52.5°	374.6	363.3	352.6	392.6	432.6	472.1	512.1	645.2	778.9	912.0	1045.2
55°	356.0	344.8	333.6	374.1	414.6	455.0	495.5	628.2	761.3	894.0	1026.6
57.5°	337.5	330.2	322.9	356.0	389.7	422.8	456.0	599.9	743.3	887.2	1030.5
60°	313.1	312.1	311.6	337.5	363.8	389.7	415.5	556.5	696.9	837.9	978.4
62.5°	292.1	294.6	296.5	317.5	338.5	359.0	379.9	516.0	652.6	788.6	924.7
65°	276.0	280.9	285.8	309.7	333.6	357.0	380.9	495.0	609.2	723.3	837.4
67.5°	256.5	262.4	268.2	299.5	330.7	361.9	393.1	487.2	581.4	675.5	769.6
70°	234.1	240.0	245.3	285.3	324.8	364.8	404.3	487.7	571.6	655.0	738.4
72.5°	207.8	212.6	217.5	260.4	303.4	346.3	389.2	459.9	530.6	600.9	671.6
75°	180.9	185.3	189.7	226.8	263.9	300.9	338.0	392.6	446.7	501.4	555.5
77.5°	151.2	155.1	158.5	183.4	208.3	233.1	258.0	299.9	341.4	383.3	424.8
80°	120.0	121.9	123.9	138.5	152.7	167.3	181.4	209.2	237.0	264.3	292.1
82.5°	87.8	87.8	87.8	97.1	106.8	116.1	125.3	139.5	153.1	167.3	180.9
85°	51.2	49.7	48.8	55.1	61.5	67.8	74.1	80.0	85.8	91.7	97.5
87.5°	8.3	6.3	4.9	8.8	12.7	16.6	20.5	22.4	24.9	26.8	28.8
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: P367734

CATALOG NUMBER: MSA-SA3A-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: P367734

CATALOG NUMBER: MSA-SA3A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8
2.5°	1151.5	1135.4	1118.8	1102.2	1126.6	1151.0	1175.4	1199.8	1264.6	1303.2	1305.6
5°	1297.3	1317.8	1338.3	1358.8	1379.3	1399.7	1419.7	1440.2	1545.6	1610.4	1622.6
7.5°	1271.5	1305.6	1339.3	1372.9	1431.0	1489.0	1547.0	1605.1	1694.3	1758.7	1801.1
10°	1187.1	1229.0	1271.0	1312.9	1381.7	1450.9	1519.7	1588.5	1683.1	1768.0	1808.4
12.5°	1204.2	1271.0	1337.3	1404.1	1463.6	1523.6	1583.1	1642.6	1708.0	1740.2	1813.8
15°	1319.3	1365.6	1411.9	1458.3	1548.0	1637.3	1727.0	1816.2	1853.3	1927.0	1993.3
17.5°	1336.8	1421.7	1507.0	1591.9	1701.6	1811.4	1921.1	2030.8	2099.6	2194.7	2274.7
20°	1282.2	1402.2	1522.6	1642.6	1784.1	1926.0	2067.4	2208.9	2296.2	2376.1	2500.0
22.5°	1347.6	1480.2	1612.4	1745.0	1932.8	2120.1	2307.9	2495.1	2677.5	2856.1	2939.9
25°	1419.7	1597.3	1774.3	1951.3	2185.9	2420.0	2654.6	2888.7	3123.3	3290.6	3387.2
27.5°	1369.0	1547.0	1725.5	1903.5	2193.7	2484.4	2774.6	3064.8	3316.0	3517.4	3600.3
30°	1333.4	1551.9	1770.4	1988.9	2329.3	2669.7	3010.2	3350.6	3582.7	3807.6	3929.5
32.5°	1327.1	1607.5	1887.5	2167.9	2564.4	2960.4	3356.9	3753.0	3907.1	4106.6	4270.9
35°	1344.6	1652.9	1960.6	2268.4	2722.9	3177.5	3631.5	4086.1	4305.0	4502.6	4646.4
37.5°	1398.3	1742.1	2085.5	2429.3	2977.0	3525.2	4072.9	4620.6	4987.8	5349.2	5413.6
40°	1428.5	1793.3	2157.6	2522.0	3158.9	3795.9	4432.8	5069.8	5492.1	5888.7	5915.5
42.5°	1464.1	1859.7	2254.7	2650.2	3356.4	4063.1	4769.4	5475.6	5998.4	6424.7	6437.3
45°	1505.1	1911.8	2319.1	2725.8	3463.3	4200.2	4937.6	5674.6	6306.6	6824.6	6698.3
47.5°	1521.2	1958.7	2395.7	2832.6	3618.8	4404.5	5190.7	5976.4	6543.7	7014.8	6893.8
50°	1527.5	2004.5	2481.0	2957.5	3772.0	4586.9	5401.4	6215.9	6792.9	7252.3	7067.0
52.5°	1567.0	2088.9	2610.7	3132.6	3981.2	4829.8	5678.5	6527.1	7094.8	7536.2	7306.0
55°	1620.2	2213.7	2806.8	3400.3	4278.7	5156.6	6035.0	6912.9	7482.5	7893.2	7607.8
57.5°	1669.4	2308.8	2947.7	3586.6	4496.7	5407.3	6317.4	7227.4	7804.4	8210.7	7934.1
60°	1645.5	2312.7	2979.9	3647.1	4541.6	5435.6	6330.0	7224.0	7879.0	8366.2	8224.8
62.5°	1573.4	2222.0	2870.2	3518.9	4368.0	5216.6	6065.7	6914.3	7681.0	8305.8	8299.4
65°	1434.4	2031.3	2627.8	3224.8	4010.5	4796.7	5582.4	6368.1	7271.8	8030.7	8080.0
67.5°	1265.1	1760.6	2256.2	2751.7	3491.5	4231.4	4971.3	5711.1	6677.3	7514.7	7557.1
70°	1101.3	1464.6	1827.5	2190.3	2840.0	3489.6	4138.7	4788.4	5764.3	6611.4	6650.5
72.5°	909.1	1146.6	1383.6	1621.2	2147.4	2673.6	3199.4	3725.6	4582.6	5234.1	5454.1
75°	696.5	837.4	978.4	1119.3	1545.1	1970.9	2396.1	2821.9	3391.6	3872.4	4120.2
77.5°	498.0	571.1	644.3	717.4	1079.3	1441.2	1802.6	2164.5	2463.9	2736.6	2903.8
80°	326.8	360.9	395.5	429.7	730.6	1031.5	1331.9	1632.9	1815.3	1961.6	2046.0
82.5°	198.0	215.1	231.7	248.7	492.6	736.4	979.8	1223.7	1328.0	1397.8	1472.9
85°	106.8	116.1	125.3	134.6	291.2	447.2	603.8	759.9	770.1	778.4	890.1
87.5°	31.2	34.1	36.6	39.0	64.4	90.2	115.6	140.9	87.8	54.6	112.2
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: P367734

CATALOG NUMBER: MSA-SA3A-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: P367734

CATALOG NUMBER: MSA-SA3A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8
2.5°	1291.5	1285.1	1278.8	1272.0	1265.6	1238.8	1212.5	1185.6	1158.8	1184.7	1210.0
5°	1608.5	1628.0	1647.0	1666.5	1686.0	1687.5	1688.5	1689.9	1690.9	1695.8	1700.7
7.5°	1836.7	1871.4	1905.5	1940.1	1974.8	2001.6	2028.4	2055.7	2082.5	2058.2	2033.8
10°	1856.2	1929.4	2002.6	2075.7	2148.9	2162.0	2174.7	2187.9	2201.1	2218.6	2235.7
12.5°	1875.7	1965.0	2053.8	2143.0	2232.3	2271.3	2309.8	2348.8	2387.4	2406.4	2424.9
15°	2082.1	2134.7	2186.9	2239.6	2291.8	2318.6	2344.9	2371.8	2398.6	2414.7	2430.3
17.5°	2347.4	2366.9	2385.9	2405.4	2424.9	2443.0	2461.0	2479.0	2497.1	2500.0	2502.9
20°	2589.3	2593.2	2596.6	2600.5	2603.9	2565.9	2528.3	2490.3	2452.2	2459.1	2465.4
22.5°	2952.1	2930.7	2909.7	2888.2	2867.3	2795.6	2724.4	2652.7	2581.5	2550.7	2520.5
25°	3498.4	3443.7	3389.1	3334.5	3279.9	3165.8	3052.1	2938.0	2824.4	2757.5	2691.2
27.5°	3674.4	3555.4	3436.9	3317.9	3198.9	3112.6	3026.8	2940.4	2854.6	2748.8	2642.9
30°	4030.5	3842.7	3655.4	3467.6	3279.9	3196.5	3113.1	3029.2	2945.8	2837.5	2729.7
32.5°	4346.0	4150.9	3955.8	3760.3	3565.2	3407.2	3249.1	3091.1	2933.1	2860.0	2786.8
35°	4711.3	4466.0	4220.7	3975.4	3730.0	3594.5	3459.4	3323.8	3188.7	3078.0	2967.7
37.5°	5243.4	4982.5	4721.6	4460.1	4199.2	4015.8	3832.9	3649.6	3466.7	3405.7	3345.2
40°	5750.6	5442.4	5134.7	4826.4	4518.7	4378.2	4237.7	4096.8	3956.3	3853.4	3750.5
42.5°	6175.4	5870.6	5566.3	5261.5	4957.1	4854.7	4752.8	4650.4	4548.4	4463.6	4378.7
45°	6321.3	6072.5	5824.3	5575.5	5326.8	5290.7	5255.1	5219.0	5183.4	5120.5	5057.6
47.5°	6555.8	6302.2	6049.1	5795.5	5541.9	5555.1	5568.2	5581.9	5595.1	5598.5	5601.4
50°	6693.9	6452.9	6212.5	5971.6	5731.1	5795.0	5858.4	5922.3	5986.2	6131.1	6275.4
52.5°	6895.3	6658.8	6422.7	6186.2	5949.6	6057.9	6165.7	6274.0	6381.7	6584.6	6787.5
55°	7147.9	6921.6	6695.8	6469.5	6243.7	6349.1	6453.9	6559.3	6664.1	6889.9	7115.7
57.5°	7483.0	7240.6	6998.7	6756.3	6514.4	6611.4	6708.0	6805.1	6901.6	7116.2	7330.8
60°	7864.4	7601.0	7337.7	7073.8	6810.4	6837.3	6863.6	6890.4	6916.8	7149.4	7381.5
62.5°	8051.7	7807.8	7564.4	7320.6	7076.7	7002.1	6927.5	6852.4	6777.8	6986.0	7193.8
65°	7889.3	7721.5	7554.2	7386.4	7218.7	7087.0	6955.8	6824.1	6692.4	6822.6	6952.4
67.5°	7372.3	7277.2	7182.6	7087.5	6992.4	6771.4	6550.5	6329.1	6108.1	6116.9	6125.2
70°	6534.4	6509.0	6484.2	6458.8	6433.4	6101.3	5769.7	5437.5	5105.4	5054.7	5003.9
72.5°	5472.6	5489.2	5505.3	5521.9	5538.5	5181.5	4824.5	4467.5	4110.5	4026.1	3941.7
75°	4238.7	4330.4	4422.1	4514.3	4606.0	4264.6	3923.2	3581.3	3239.9	3136.0	3032.1
77.5°	2995.1	3166.2	3336.9	3508.1	3679.3	3370.6	3062.4	2753.6	2444.9	2377.6	2310.3
80°	2088.4	2172.3	2256.2	2340.1	2423.9	2268.8	2113.8	1958.7	1803.6	1822.1	1840.1
82.5°	1521.2	1540.7	1559.7	1579.2	1598.7	1535.3	1471.9	1408.0	1344.6	1392.9	1441.2
85°	974.5	1044.2	1113.5	1183.2	1252.4	1182.2	1112.0	1041.3	971.0	1003.2	1035.4
87.5°	218.0	344.8	471.6	598.9	725.7	657.4	589.6	521.4	453.1	422.4	392.1
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: P367734

CATALOG NUMBER: MSA-SA3A-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: P367734

CATALOG NUMBER: MSA-SA3A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8
2.5°	1235.9	1261.7	1253.9	1246.6	1238.8	1231.0	1245.1	1259.3	1273.9	1288.1	1283.2
5°	1706.0	1710.9	1664.6	1618.7	1572.4	1526.1	1554.8	1583.6	1612.4	1641.2	1630.9
7.5°	2009.4	1985.0	1958.2	1931.3	1904.0	1877.2	1871.4	1865.5	1859.2	1853.3	1845.5
10°	2253.2	2270.3	2252.8	2235.7	2218.1	2200.6	2159.6	2118.6	2077.2	2036.2	2019.1
12.5°	2443.9	2463.0	2467.3	2471.2	2475.6	2480.0	2434.2	2388.8	2343.0	2297.1	2255.7
15°	2446.4	2462.5	2476.6	2490.3	2504.4	2518.1	2489.8	2462.0	2433.7	2405.4	2392.2
17.5°	2506.4	2509.3	2497.6	2486.4	2474.7	2463.4	2452.2	2441.5	2430.3	2419.5	2398.6
20°	2472.2	2479.0	2477.6	2476.1	2474.2	2472.7	2473.7	2474.2	2475.1	2475.6	2463.9
22.5°	2489.8	2459.1	2465.4	2471.2	2477.6	2483.4	2501.0	2518.6	2536.6	2554.2	2601.0
25°	2624.4	2557.6	2547.3	2537.6	2527.3	2517.6	2563.4	2608.8	2654.6	2700.5	2776.6
27.5°	2536.6	2430.8	2407.4	2383.9	2360.5	2337.1	2406.9	2476.1	2545.9	2615.6	2693.2
30°	2621.5	2513.7	2462.0	2410.3	2358.1	2306.4	2373.2	2439.5	2506.4	2572.7	2658.5
32.5°	2713.6	2640.5	2605.9	2571.7	2537.1	2502.9	2508.3	2513.7	2519.0	2524.4	2645.4
35°	2857.0	2746.3	2712.2	2678.0	2643.9	2609.8	2666.8	2723.4	2780.5	2837.0	2939.5
37.5°	3284.3	3223.3	3161.8	3100.4	3038.5	2977.0	3010.7	3044.3	3078.0	3111.6	3208.2
40°	3647.6	3544.7	3534.5	3524.7	3514.5	3504.2	3507.1	3509.6	3512.5	3515.4	3597.9
42.5°	4293.3	4208.5	4156.3	4104.1	4051.9	3999.7	3996.3	3992.9	3989.0	3985.6	4047.5
45°	4994.2	4931.3	4892.3	4853.2	4813.7	4774.7	4712.8	4650.8	4588.4	4526.5	4580.6
47.5°	5604.8	5608.2	5678.9	5749.2	5819.9	5890.6	5784.8	5678.9	5573.1	5467.3	5397.5
50°	6420.3	6564.6	6581.7	6598.3	6615.3	6632.4	6452.9	6274.0	6094.5	5915.0	5841.8
52.5°	6990.9	7193.8	7167.4	7141.6	7115.3	7088.9	6985.0	6881.6	6777.8	6673.9	6514.4
55°	7342.0	7567.9	7547.9	7528.4	7508.4	7488.4	7412.8	7337.2	7261.6	7186.0	7010.9
57.5°	7545.4	7760.0	7765.9	7771.7	7777.6	7783.4	7763.4	7743.4	7723.4	7703.4	7475.7
60°	7614.2	7846.8	7849.3	7851.2	7853.7	7855.6	7823.9	7792.2	7760.0	7728.3	7579.6
62.5°	7402.0	7609.8	7619.1	7627.8	7637.1	7646.4	7624.4	7602.5	7580.5	7558.6	7448.4
65°	7082.6	7212.8	7215.2	7217.2	7219.6	7222.1	7166.5	7111.4	7055.8	7000.2	6973.8
67.5°	6134.0	6142.8	6194.5	6246.2	6297.8	6349.5	6353.9	6358.3	6363.2	6367.6	6329.5
70°	4953.2	4902.5	4958.6	5014.7	5070.8	5126.8	5150.7	5174.6	5199.0	5222.9	5240.5
72.5°	3856.8	3772.5	3813.9	3855.4	3897.3	3938.8	3903.2	3867.6	3832.0	3796.4	3909.0
75°	2928.2	2824.4	2819.0	2814.1	2808.7	2803.9	2785.8	2767.8	2749.2	2731.2	2836.5
77.5°	2242.5	2175.2	2178.6	2181.5	2185.0	2187.9	2169.4	2151.3	2132.8	2114.2	2154.7
80°	1858.7	1876.7	1877.2	1877.7	1878.2	1878.7	1861.1	1844.0	1826.5	1808.9	1779.7
82.5°	1490.0	1538.2	1537.8	1537.8	1537.3	1536.8	1535.8	1534.8	1533.4	1532.4	1484.6
85°	1067.6	1099.8	1066.6	1033.5	1000.3	967.1	991.5	1015.9	1040.8	1065.2	1045.2
87.5°	361.4	331.2	291.7	252.6	213.1	173.6	216.1	258.5	301.4	343.8	368.2
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: P367734

CATALOG NUMBER: MSA-SA3A-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: P367734

CATALOG NUMBER: MSA-SA3A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8	1059.8
2.5°	1278.8	1273.9	1269.5	1238.8	1207.6	1176.9	1145.6	1202.2	1259.3	1315.9	1372.4
5°	1621.2	1610.9	1601.2	1598.7	1596.3	1593.4	1590.9	1619.7	1648.5	1676.8	1705.5
7.5°	1837.7	1829.9	1822.1	1801.6	1781.6	1761.1	1740.7	1758.2	1775.3	1792.8	1809.9
10°	2002.6	1985.5	1968.4	1924.0	1880.1	1835.8	1791.4	1778.2	1765.0	1751.9	1738.7
12.5°	2214.2	2172.3	2130.8	2080.6	2029.9	1979.6	1928.9	1922.1	1915.3	1908.9	1902.1
15°	2379.6	2366.4	2353.2	2313.2	2273.2	2233.2	2193.2	2139.6	2085.5	2031.8	1978.2
17.5°	2378.1	2357.1	2336.6	2390.3	2443.4	2497.1	2550.3	2493.2	2435.6	2378.6	2321.5
20°	2452.2	2440.0	2428.3	2527.3	2625.9	2724.9	2823.4	2792.2	2760.5	2729.2	2697.5
22.5°	2647.3	2694.1	2740.5	2825.3	2909.7	2994.6	3078.9	3114.5	3150.1	3185.7	3221.3
25°	2852.2	2928.2	3004.3	3130.6	3256.5	3382.8	3509.1	3534.5	3559.8	3585.2	3610.5
27.5°	2770.2	2847.8	2925.3	3020.9	3116.0	3211.6	3306.7	3417.9	3529.6	3640.8	3752.0
30°	2743.9	2829.7	2915.1	3046.3	3177.0	3308.2	3439.4	3592.5	3745.6	3898.3	4051.4
32.5°	2765.8	2886.8	3007.7	3185.3	3362.3	3539.8	3717.4	3878.3	4039.7	4200.7	4361.6
35°	3041.4	3143.8	3245.7	3444.2	3642.7	3841.2	4039.7	4228.5	4417.2	4605.5	4794.2
37.5°	3304.3	3400.8	3497.4	3700.3	3902.7	4105.6	4308.5	4606.5	4904.9	5202.9	5500.9
40°	3679.8	3762.2	3844.2	4017.8	4191.4	4365.0	4538.7	4898.1	5257.6	5617.0	5976.4
42.5°	4109.0	4170.9	4232.4	4412.3	4592.3	4772.3	4952.2	5343.4	5735.0	6126.2	6517.3
45°	4634.3	4688.4	4742.5	4866.4	4990.3	5114.7	5238.5	5641.9	6045.2	6448.6	6851.9
47.5°	5327.8	5258.0	5188.3	5249.3	5310.2	5371.2	5432.2	5831.1	6230.1	6628.5	7027.5
50°	5768.7	5695.5	5622.4	5627.7	5632.6	5638.0	5643.3	6015.5	6387.6	6759.2	7131.4
52.5°	6354.9	6194.9	6035.5	6034.0	6032.5	6030.6	6029.1	6353.4	6678.3	7002.6	7326.9
55°	6835.8	6660.7	6485.6	6451.5	6417.3	6382.7	6348.6	6669.5	6989.9	7310.8	7631.3
57.5°	7247.9	7019.7	6791.9	6738.3	6684.6	6631.0	6577.3	6923.1	7269.4	7615.2	7961.0
60°	7431.3	7282.5	7134.3	7068.4	7002.6	6936.8	6870.9	7165.5	7460.1	7754.2	8048.7
62.5°	7338.6	7228.4	7118.7	7133.8	7148.9	7164.0	7179.1	7347.4	7516.2	7684.4	7852.7
65°	6948.0	6921.6	6895.8	7017.7	7139.6	7261.6	7383.5	7385.9	7388.4	7390.8	7393.3
67.5°	6291.5	6253.5	6215.4	6469.0	6722.2	6975.8	7229.4	7108.9	6988.5	6868.5	6748.0
70°	5257.6	5275.1	5292.2	5637.5	5982.3	6327.6	6672.9	6498.3	6323.2	6148.6	5973.5
72.5°	4021.7	4134.8	4247.5	4605.5	4963.5	5321.4	5679.4	5480.0	5280.0	5080.5	4880.6
75°	2941.9	3047.2	3152.6	3506.2	3859.8	4213.8	4567.4	4330.4	4093.4	3856.8	3619.8
77.5°	2195.2	2236.2	2276.6	2570.7	2864.3	3158.4	3452.0	3214.0	2976.0	2738.5	2500.5
80°	1750.9	1721.6	1692.9	1855.8	2018.6	2181.5	2344.4	2175.7	2006.5	1837.7	1669.0
82.5°	1437.3	1389.5	1342.2	1402.7	1463.1	1524.1	1584.6	1449.5	1314.4	1179.3	1044.2
85°	1025.2	1005.2	985.2	1002.7	1019.8	1037.4	1054.9	923.2	791.6	660.4	528.7
87.5°	392.1	416.5	440.9	468.7	496.0	523.8	551.1	431.6	312.1	193.1	73.6
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

REPORT NUMBER: P367734

CATALOG NUMBER: MSA-SA3A-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: P367734

CATALOG NUMBER: MSA-SA3A-750-U-SLR

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1059.8	1059.8
2.5°	1395.8	1419.2
5°	1705.0	1704.6
7.5°	1802.1	1793.8
10°	1717.2	1695.8
12.5°	1838.7	1774.8
15°	1914.8	1850.9
17.5°	2225.4	2128.9
20°	2582.9	2467.8
22.5°	3046.3	2871.2
25°	3401.3	3191.6
27.5°	3627.6	3502.8
30°	3908.5	3765.6
32.5°	4256.3	4150.4
35°	4697.7	4600.6
37.5°	5470.7	5440.0
40°	5939.9	5902.8
42.5°	6518.8	6519.8
45°	6873.8	6895.8
47.5°	7083.1	7138.2
50°	7249.9	7367.9
52.5°	7488.4	7649.8
55°	7845.9	8060.0
57.5°	8143.4	8325.8
60°	8143.4	8237.5
62.5°	7850.2	7847.3
65°	7347.9	7302.1
67.5°	6690.5	6632.9
70°	5883.8	5793.6
72.5°	4768.9	4656.7
75°	3466.2	3312.1
77.5°	2427.4	2353.7
80°	1704.6	1740.2
82.5°	1094.9	1145.6
85°	520.9	513.1
87.5°	61.5	49.3
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: P367734

CATALOG NUMBER: MSA-SA3A-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)