

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: P367800

Luminaire Tested: **MSA-SA3B-727-U-SLR**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367800
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-SA3B-727-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: 10531 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

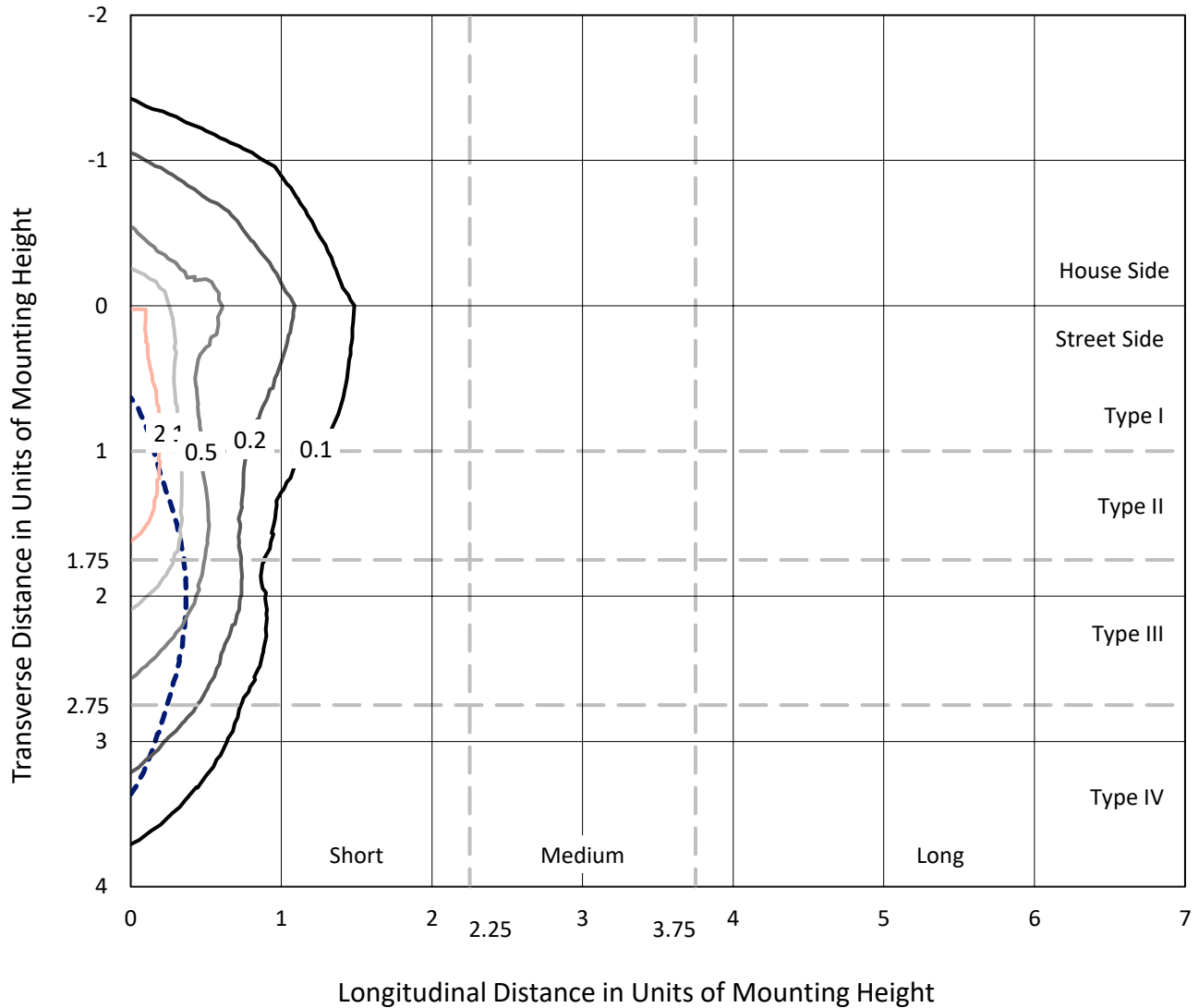
Input Watts (W): 126
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

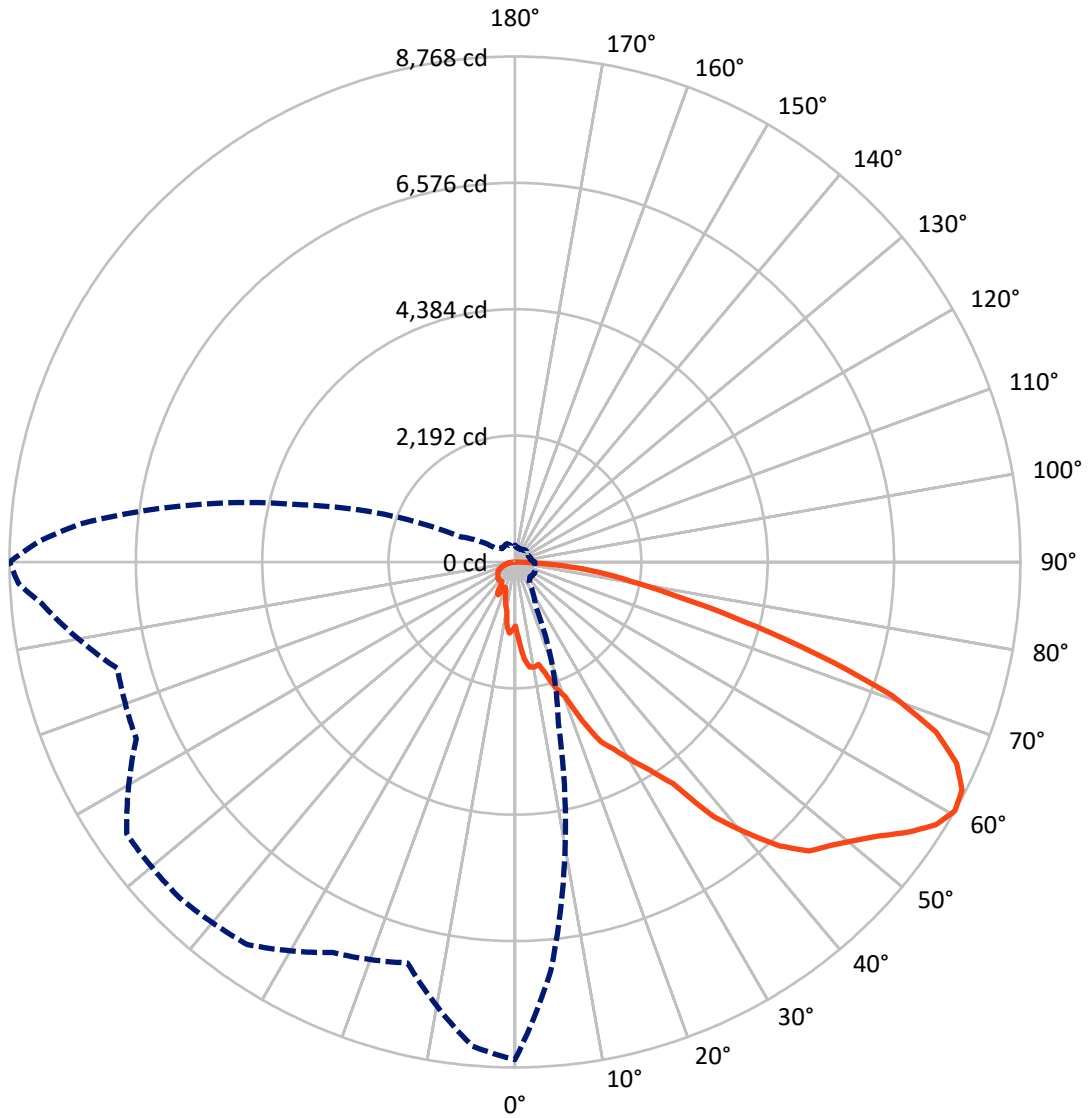
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 270-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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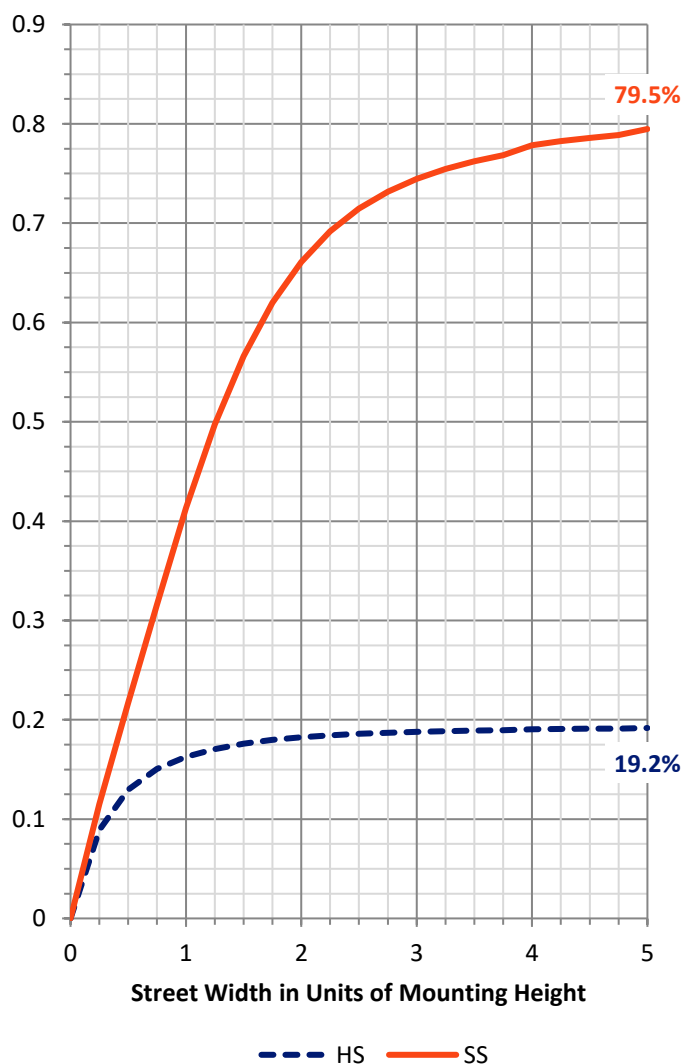
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2039.6	0.0	2039.6
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	8491.4	0.0	8491.4
	% Fixture	80.6	0.0	80.6
Total	Lumens	10531.0	0.0	10531.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.3	1.2
10°-20°	370.0	3.5
20°-30°	653.2	6.2
30°-40°	1017.4	9.7
40°-50°	1674.9	15.9
50°-60°	2390.7	22.7
60°-70°	2535.0	24.1
70°-80°	1400.2	13.3
80°-90°	362.3	3.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	10531.0	100.0
0°-180°	10531.0	100.0

Coefficient of Utilization



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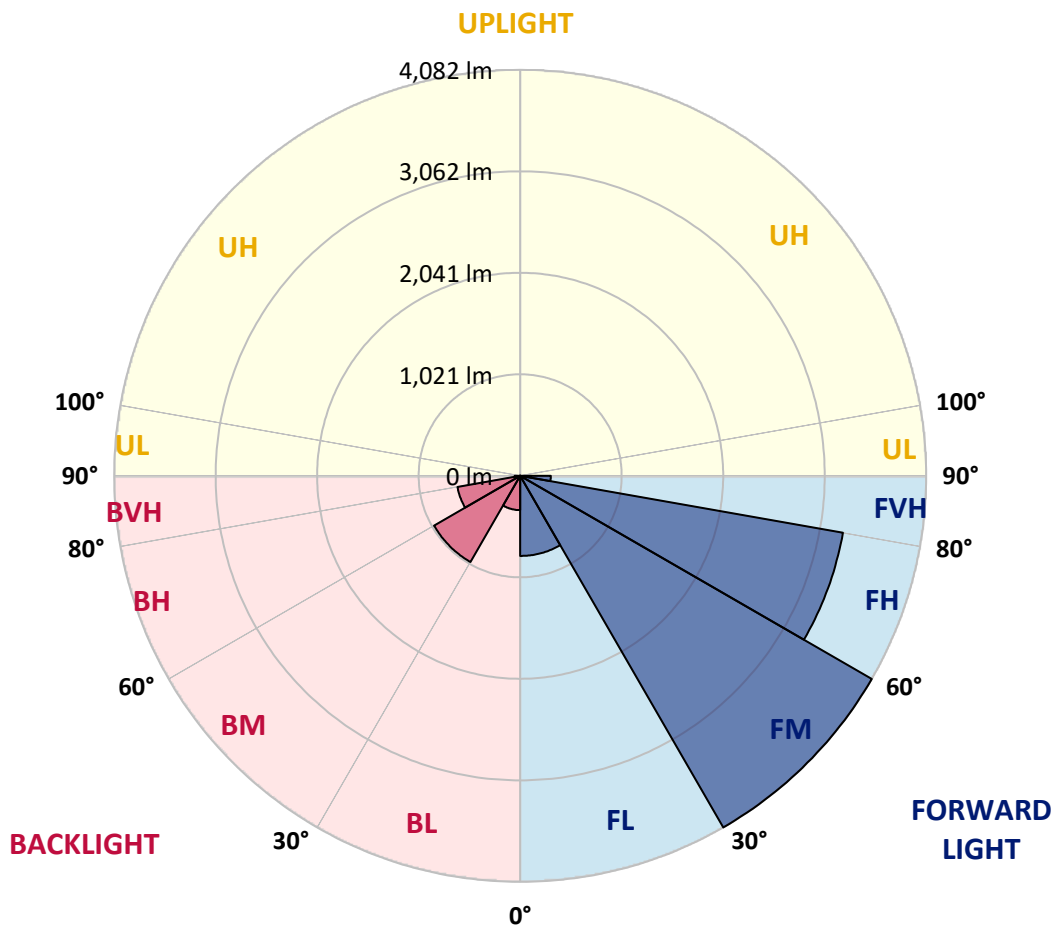
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	805.8	7.7			
FM (30°-60°)	4082.5	38.8			
FH (60°-80°)	3295.2	31.3			G2/5000
FVH (80°-90°)	307.9	2.9			G3/500
BL (0°-30°)	344.8	3.3	B1/500		
BM (30°-60°)	1000.5	9.5	B2/2500		
BH (60°-80°)	640.0	6.1	B2/1000		G2/1000
BVH (80°-90°)	54.4	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°	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7
2.5°	1487.5	1496.7	1505.4	1488.0	1470.6	1452.7	1435.3	1409.3	1382.7	1356.6	1330.0
5°	1786.5	1752.8	1718.5	1704.7	1691.4	1677.6	1663.8	1651.0	1638.3	1625.0	1612.2
7.5°	1880.0	1832.0	1783.4	1763.0	1742.5	1721.6	1701.1	1655.1	1609.1	1562.6	1516.6
10°	1777.3	1727.2	1676.6	1656.7	1636.2	1616.3	1595.8	1539.6	1483.9	1427.7	1371.4
12.5°	1860.1	1809.0	1757.4	1694.0	1630.6	1566.7	1503.3	1472.1	1441.0	1409.3	1378.1
15°	1939.8	1870.8	1801.3	1737.9	1674.6	1610.7	1547.3	1484.9	1422.6	1360.2	1297.8
17.5°	2231.2	2116.2	2001.2	1886.7	1771.7	1657.2	1542.2	1470.1	1397.5	1325.4	1252.8
20°	2586.5	2426.5	2266.0	2092.2	1917.9	1744.1	1569.8	1478.8	1388.3	1297.3	1206.3
22.5°	3009.2	2807.3	2605.4	2386.1	2166.8	1947.0	1727.7	1595.8	1464.0	1331.6	1199.7
25°	3345.0	3150.8	2956.5	2678.5	2400.4	2122.3	1844.3	1694.5	1544.7	1394.4	1244.7
27.5°	3671.1	3361.9	3052.1	2733.7	2415.7	2097.3	1778.8	1640.3	1501.8	1363.3	1224.7
30°	3946.6	3701.3	3455.9	3040.4	2624.8	2208.7	1793.1	1622.9	1452.7	1282.5	1112.3
32.5°	4350.0	3999.8	3649.2	3215.7	2782.2	2348.8	1915.3	1697.6	1479.8	1262.0	1044.3
35°	4821.8	4457.8	4093.9	3557.7	3022.0	2485.8	1949.6	1719.0	1488.0	1257.4	1026.4
37.5°	5701.5	5060.0	4417.9	3832.7	3247.4	2661.6	2076.3	1808.5	1540.6	1272.3	1004.4
40°	6186.5	5593.6	5000.7	4271.2	3541.8	2811.9	2082.5	1808.5	1534.0	1260.0	985.5
42.5°	6833.2	6083.3	5332.9	4544.2	3756.0	2967.3	2178.6	1874.9	1571.3	1267.2	963.5
45°	7227.3	6391.5	5555.3	4712.4	3869.5	3026.6	2183.7	1875.4	1567.2	1259.0	950.8
47.5°	7481.3	6678.8	5875.8	4968.5	4061.1	3153.3	2246.0	1918.9	1591.2	1264.1	936.4
50°	7722.1	6927.2	6131.8	5189.8	4248.2	3306.2	2364.1	2006.8	1649.5	1291.7	934.4
52.5°	8017.5	7285.5	6553.0	5542.5	4531.4	3520.9	2509.8	2120.8	1731.8	1342.8	953.8
55°	8447.4	7726.2	7004.4	5919.7	4834.5	3749.9	2664.7	2232.7	1801.3	1369.4	937.5
57.5°	8726.0	7994.5	7263.0	6156.9	5050.8	3944.1	2837.9	2359.5	1881.1	1402.1	923.7
60°	8633.5	7879.0	7124.0	6069.5	5015.0	3960.5	2905.9	2389.2	1872.9	1356.1	839.3
62.5°	8224.5	7422.5	6620.5	5675.9	4731.8	3787.2	2842.5	2317.1	1792.1	1266.6	741.2
65°	7653.1	6824.0	5994.3	5142.2	4290.1	3438.0	2585.9	2109.0	1631.6	1154.7	677.3
67.5°	6951.7	6087.4	5222.5	4468.0	3713.6	2958.6	2204.1	1805.4	1407.2	1008.5	609.8
70°	6072.0	5222.5	4373.0	3720.2	3067.5	2414.7	1762.0	1461.9	1162.4	862.3	562.3
72.5°	4880.5	4147.5	3414.5	2900.8	2387.1	1873.4	1359.7	1151.1	943.1	734.5	526.0
75°	3471.3	3040.4	2609.5	2209.7	1810.0	1409.8	1010.0	875.1	740.2	605.2	470.3
77.5°	2466.8	2212.8	1958.8	1645.4	1332.1	1018.7	705.4	626.2	547.5	468.2	389.0
80°	1823.8	1611.7	1399.6	1163.4	927.2	691.1	454.9	416.1	377.7	338.9	300.0
82.5°	1200.7	1105.1	1009.0	821.9	634.9	447.8	260.7	246.4	232.1	217.8	203.4
85°	537.7	567.9	597.5	483.0	368.0	253.5	138.5	131.9	125.2	118.6	111.9
87.5°	51.6	76.2	100.7	86.4	71.6	57.2	42.4	41.9	41.9	41.4	40.9
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



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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°	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7
2.5°	1337.2	1344.3	1351.5	1358.7	1351.0	1343.3	1335.1	1327.5	1317.8	1308.1	1297.8
5°	1590.7	1568.7	1547.3	1525.3	1492.6	1459.9	1426.6	1393.9	1389.8	1385.2	1381.1
7.5°	1476.2	1436.4	1396.0	1355.6	1304.5	1253.9	1202.8	1151.6	1136.3	1121.0	1105.6
10°	1344.3	1316.7	1289.7	1262.0	1230.4	1198.7	1166.5	1134.8	1092.9	1050.4	1008.5
12.5°	1333.1	1288.1	1242.6	1197.6	1178.2	1158.8	1139.4	1119.9	1083.1	1046.3	1009.0
15°	1261.5	1224.7	1188.4	1151.6	1123.5	1095.4	1067.3	1039.2	1009.5	979.4	949.7
17.5°	1210.9	1169.0	1127.1	1085.2	1053.0	1020.8	988.1	955.9	920.1	883.8	848.0
20°	1158.3	1110.7	1062.7	1014.6	973.8	933.4	892.5	851.6	812.2	773.4	734.0
22.5°	1136.8	1073.9	1011.1	948.2	905.3	861.8	818.9	775.4	739.1	702.8	666.5
25°	1169.5	1094.9	1019.8	944.6	886.9	828.6	770.8	712.6	682.4	652.2	621.6
27.5°	1131.2	1037.1	943.6	849.5	787.7	725.3	663.5	601.1	596.5	591.9	586.8
30°	1013.6	915.0	816.3	717.7	660.9	603.7	546.9	489.7	479.0	467.7	457.0
32.5°	943.6	842.9	742.2	641.5	590.9	539.8	489.2	438.1	425.8	413.5	401.3
35°	917.0	807.6	698.2	588.9	545.4	502.0	458.5	415.1	406.4	398.2	389.5
37.5°	895.5	787.2	678.3	569.4	527.5	485.6	443.2	401.3	394.6	388.0	381.3
40°	875.1	765.2	654.8	544.4	507.1	470.3	433.0	395.6	391.5	387.5	382.9
42.5°	856.7	749.9	642.5	535.7	502.5	469.8	436.5	403.3	399.2	395.1	391.0
45°	846.5	742.2	637.9	533.6	509.6	485.6	461.1	437.0	427.3	417.6	407.4
47.5°	838.8	741.2	643.5	545.9	520.9	495.8	470.8	445.7	437.0	428.4	419.1
50°	840.3	746.8	652.7	558.7	528.5	497.9	467.7	437.0	436.0	435.0	434.0
52.5°	854.1	755.0	655.3	555.6	522.9	490.2	457.0	424.3	430.9	437.0	443.7
55°	834.2	731.0	627.2	523.9	492.8	462.1	430.9	399.7	408.4	416.6	425.3
57.5°	811.7	699.8	587.8	475.9	452.4	428.9	404.8	381.3	390.5	400.2	409.4
60°	737.1	634.9	532.6	430.4	414.5	398.7	382.9	367.0	371.1	375.2	379.3
62.5°	655.3	568.9	483.0	396.7	384.4	371.6	359.3	346.6	346.6	347.1	347.1
65°	603.2	529.0	454.9	380.8	367.0	353.2	338.9	325.1	323.1	321.0	319.0
67.5°	551.0	492.8	434.0	375.2	355.3	335.8	315.9	296.0	293.4	291.4	288.8
70°	510.1	458.0	405.9	353.7	331.2	309.3	286.8	264.3	262.2	260.7	258.6
72.5°	476.9	428.4	379.3	330.2	306.7	282.7	259.2	235.1	233.6	232.1	230.0
75°	426.8	383.9	340.4	297.0	274.0	251.5	228.5	205.5	203.4	201.9	199.9
77.5°	353.2	316.9	281.1	244.8	227.0	209.6	191.7	173.8	172.8	171.7	170.2
80°	271.9	243.8	215.2	187.1	175.3	163.1	151.3	139.0	138.5	138.0	137.0
82.5°	186.6	169.7	152.8	136.0	127.3	118.1	109.4	100.2	100.7	101.2	101.7
85°	106.3	100.2	94.6	88.4	81.3	74.6	67.5	60.3	61.9	63.4	64.4
87.5°	38.8	36.8	34.8	32.7	29.1	26.1	22.5	18.9	19.9	21.5	22.5
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: P367800
 CATALOG NUMBER: MSA-SA3B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367800
 CATALOG NUMBER: MSA-SA3B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7
2.5°	1288.1	1272.8	1257.4	1242.1	1226.8	1195.1	1163.9	1132.2	1100.5	1119.9	1139.9
5°	1376.5	1350.5	1323.9	1297.8	1271.2	1256.4	1241.6	1226.8	1212.0	1219.6	1227.8
7.5°	1090.3	1075.0	1059.1	1043.8	1027.9	1021.3	1015.2	1008.5	1001.9	1020.8	1039.7
10°	966.1	944.6	923.2	901.2	879.7	866.9	854.1	841.4	828.6	833.7	838.8
12.5°	972.2	940.5	908.8	877.1	845.5	826.5	807.6	788.7	769.8	774.4	779.0
15°	919.6	886.9	854.1	821.4	788.7	766.7	744.2	722.3	699.8	692.1	683.9
17.5°	811.7	775.9	740.2	704.4	668.6	653.8	638.9	624.1	609.3	601.1	592.9
20°	694.7	661.4	628.2	595.0	561.8	551.5	541.3	530.6	520.4	515.2	509.6
22.5°	630.3	609.8	588.9	568.4	547.5	535.7	524.4	512.7	500.9	495.3	489.2
25°	591.4	595.5	600.1	604.2	608.3	603.2	597.5	592.4	586.8	588.9	590.4
27.5°	582.2	590.9	600.1	608.8	617.5	622.1	626.7	631.3	635.9	637.4	638.9
30°	445.7	450.3	454.4	459.0	463.1	475.9	488.7	500.9	513.7	533.6	554.1
32.5°	389.0	387.5	385.9	383.9	382.3	385.4	388.5	391.0	394.1	401.3	408.9
35°	380.8	377.2	373.1	369.6	365.5	367.0	368.5	370.1	371.6	377.2	382.9
37.5°	374.7	373.1	372.1	370.6	369.1	372.6	375.7	379.3	382.3	386.9	391.5
40°	378.8	378.3	377.7	376.7	376.2	378.3	380.3	382.3	384.4	390.5	396.7
42.5°	386.9	386.9	386.4	386.4	385.9	388.0	389.5	391.5	393.1	396.7	400.2
45°	397.7	396.7	396.1	395.1	394.1	393.6	393.6	393.1	392.6	394.6	397.2
47.5°	410.5	406.9	402.8	399.2	395.1	394.1	392.6	391.5	390.0	391.0	392.1
50°	433.0	423.2	414.0	404.3	394.6	392.1	389.5	386.9	384.4	383.9	383.9
52.5°	449.8	435.5	421.2	406.9	392.6	388.0	383.4	378.8	374.2	373.1	372.6
55°	433.5	422.7	412.5	401.8	391.0	384.4	377.2	370.6	363.4	361.9	360.4
57.5°	418.6	412.0	405.3	398.7	392.1	385.4	378.3	371.6	364.5	360.9	357.3
60°	383.4	383.4	383.9	383.9	383.9	376.7	369.6	362.4	355.3	351.7	348.6
62.5°	347.1	352.7	357.8	363.4	368.5	358.8	348.6	338.9	328.7	326.1	324.1
65°	316.9	318.5	320.5	322.0	323.6	315.9	308.2	300.6	292.9	291.4	289.3
67.5°	286.2	285.7	285.2	284.2	283.7	279.1	274.0	269.4	264.3	262.2	260.2
70°	256.6	256.1	255.6	254.6	254.0	250.0	245.9	241.8	237.7	236.2	234.6
72.5°	228.5	228.0	227.0	226.4	225.4	221.8	218.8	215.2	211.6	209.6	207.5
75°	197.8	196.8	195.8	194.8	193.7	190.7	187.6	184.0	180.9	178.9	176.9
77.5°	169.2	167.7	166.1	164.1	162.5	160.0	156.9	154.4	151.3	148.7	146.7
80°	136.5	135.5	134.4	132.9	131.9	129.3	126.8	123.7	121.1	118.1	115.5
82.5°	102.2	101.7	100.7	100.2	99.2	96.6	94.1	91.5	88.9	85.9	82.8
85°	65.9	65.4	64.9	64.4	63.9	61.9	60.3	58.3	56.2	53.2	50.6
87.5°	23.5	22.5	22.0	21.0	19.9	19.4	18.4	17.9	16.9	15.3	13.8
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: P367800
 CATALOG NUMBER: MSA-SA3B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367800

CATALOG NUMBER: MSA-SA3B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7
2.5°	1159.3	1178.7	1179.2	1179.2	1188.4	1197.1	1179.2	1161.4	1142.9	1125.1	1107.2
5°	1235.5	1243.1	1241.1	1238.5	1227.3	1216.0	1204.3	1192.5	1180.8	1169.0	1169.5
7.5°	1058.6	1077.5	1092.9	1107.7	1093.4	1079.1	1071.4	1063.7	1056.1	1048.4	1047.4
10°	843.4	848.5	854.7	860.3	851.6	842.4	857.7	873.1	887.9	903.2	886.3
12.5°	783.6	788.2	777.5	766.2	762.6	759.1	755.5	751.4	747.8	743.7	741.7
15°	676.3	668.1	659.9	651.2	649.2	646.6	644.1	641.0	638.4	635.4	626.2
17.5°	584.8	576.6	562.8	548.5	542.8	536.7	535.2	533.6	531.6	530.1	521.4
20°	504.5	498.9	495.3	491.2	485.6	480.0	474.4	468.7	462.6	457.0	448.8
22.5°	483.6	477.4	472.8	467.7	466.7	465.7	455.4	444.7	434.5	423.7	419.1
25°	592.4	594.0	565.9	537.2	534.7	532.1	513.7	494.8	476.4	457.5	441.6
27.5°	640.0	641.5	640.5	639.5	631.3	622.6	591.4	559.7	528.5	496.8	474.4
30°	574.0	594.0	601.6	609.3	603.7	597.5	564.8	532.6	499.9	467.2	452.4
32.5°	416.1	423.2	436.0	448.3	454.9	461.1	450.8	440.6	430.4	420.2	417.6
35°	388.0	393.6	396.1	398.7	394.6	390.5	382.9	375.2	367.0	359.3	357.8
37.5°	395.6	400.2	405.3	410.5	399.2	387.5	378.8	370.6	361.9	353.2	346.1
40°	402.8	408.9	412.0	415.1	403.8	392.6	381.8	371.6	360.9	350.1	343.0
42.5°	403.8	407.4	413.0	418.6	402.8	386.4	376.7	366.5	356.8	346.6	339.4
45°	399.2	401.3	406.4	411.5	393.1	374.2	365.5	356.3	347.6	338.4	332.3
47.5°	392.6	393.6	397.7	401.3	381.8	361.9	353.7	345.5	336.9	328.7	322.5
50°	383.4	382.9	385.9	388.5	368.5	348.6	340.4	332.8	324.6	316.4	311.3
52.5°	371.6	370.6	373.7	376.2	355.3	334.3	327.1	320.5	313.3	306.2	302.1
55°	358.3	356.8	359.3	361.9	341.5	320.5	314.4	307.7	301.6	294.9	291.4
57.5°	353.2	349.6	351.2	352.7	329.7	306.7	300.6	294.4	288.3	282.2	279.6
60°	345.0	341.5	343.0	344.0	319.5	294.4	288.8	282.7	277.0	270.9	268.4
62.5°	321.5	319.0	321.0	323.1	301.1	278.6	273.5	268.9	263.8	258.6	255.1
65°	287.8	285.7	289.8	293.9	275.0	256.1	253.0	250.0	246.4	243.3	239.7
67.5°	258.1	256.1	260.2	264.3	250.5	236.7	233.6	230.5	227.5	224.4	222.4
70°	233.1	231.6	235.1	238.7	227.0	215.2	212.1	209.6	206.5	203.4	201.9
72.5°	205.0	202.9	207.5	211.6	201.9	191.7	189.1	186.1	183.5	180.4	179.4
75°	174.8	172.8	176.9	180.4	173.8	166.6	164.1	161.5	159.0	156.4	155.9
77.5°	144.1	141.6	145.7	149.3	145.2	140.6	138.5	136.0	133.9	131.4	131.4
80°	112.5	109.4	112.5	115.0	113.5	111.9	110.4	108.4	106.8	104.8	105.3
82.5°	79.7	76.7	78.2	79.7	80.8	81.8	81.8	81.8	81.8	81.8	81.8
85°	47.5	44.5	45.0	45.5	47.0	48.6	49.1	49.6	50.1	50.6	51.1
87.5°	12.3	10.7	9.7	8.2	9.7	10.7	11.8	12.3	13.3	13.8	13.8
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: P367800
 CATALOG NUMBER: MSA-SA3B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367800

CATALOG NUMBER: MSA-SA3B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7
2.5°	1089.3	1070.9	1053.0	1064.2	1075.0	1086.2	1096.9	1097.5	1097.5	1098.0	1098.0
5°	1170.6	1171.1	1171.6	1160.8	1150.6	1139.9	1129.1	1123.5	1117.9	1111.8	1106.1
7.5°	1045.8	1044.8	1043.3	1033.1	1022.8	1012.6	1002.4	977.8	952.8	928.3	903.2
10°	869.0	852.1	834.7	830.6	827.1	823.0	818.9	812.2	806.1	799.5	792.8
12.5°	739.6	737.6	735.6	724.8	714.1	702.8	692.1	692.1	692.1	692.1	692.1
15°	616.5	607.3	597.5	592.4	586.8	581.7	576.1	573.5	571.0	568.4	565.9
17.5°	512.2	503.5	494.3	493.3	492.2	491.2	490.2	487.6	485.1	482.5	480.0
20°	440.6	432.4	424.3	427.3	430.4	433.0	436.0	433.5	430.9	427.8	425.3
22.5°	414.0	409.4	404.3	401.8	399.2	396.1	393.6	393.6	394.1	394.1	394.1
25°	426.3	410.5	394.6	386.9	379.3	371.1	363.4	360.4	357.8	354.7	351.7
27.5°	451.9	428.9	406.4	393.1	379.8	366.5	353.2	347.6	341.5	335.8	329.7
30°	437.0	422.2	406.9	391.5	376.2	360.9	345.5	338.4	331.2	323.6	316.4
32.5°	415.1	412.0	409.4	395.1	380.8	366.0	351.7	348.6	346.1	343.0	339.9
35°	355.8	354.2	352.2	348.6	345.0	341.5	337.9	333.8	329.7	325.6	321.5
37.5°	339.4	332.3	325.1	323.6	322.0	320.5	319.0	317.4	315.9	313.9	312.3
40°	335.8	328.7	321.5	319.0	316.4	313.3	310.8	311.3	312.3	312.8	313.3
42.5°	331.7	324.6	316.9	314.9	312.8	310.8	308.7	309.3	310.3	310.8	311.3
45°	326.6	320.5	314.4	310.8	307.7	304.1	300.6	303.6	306.7	309.3	312.3
47.5°	316.4	309.8	303.6	301.6	299.5	297.0	294.9	298.0	301.1	303.6	306.7
50°	305.7	300.6	294.9	294.4	293.9	292.9	292.4	294.4	296.5	298.5	300.6
52.5°	297.5	293.4	288.8	288.8	288.3	288.3	287.8	289.8	291.9	293.4	295.4
55°	288.3	284.7	281.1	281.6	282.7	283.2	283.7	285.7	288.3	290.3	292.4
57.5°	276.5	274.0	270.9	273.0	274.5	276.5	278.1	279.6	281.6	283.2	284.7
60°	265.3	262.7	259.7	261.7	264.3	266.3	268.4	269.9	271.4	273.0	274.5
62.5°	251.5	247.4	243.8	246.9	249.4	252.5	255.1	256.1	257.6	258.6	259.7
65°	236.7	233.1	229.5	231.6	233.6	235.1	237.2	238.7	240.2	241.8	243.3
67.5°	219.8	217.8	215.2	216.7	218.3	219.8	221.3	221.8	221.8	222.4	222.4
70°	199.9	198.3	196.3	197.3	198.8	199.9	200.9	200.9	200.9	200.4	200.4
72.5°	178.9	177.9	176.9	177.4	178.4	178.9	179.4	178.9	178.4	177.9	177.4
75°	155.4	154.9	154.4	154.9	155.9	156.4	156.9	156.4	155.4	154.9	153.9
77.5°	131.9	131.9	131.9	131.9	132.4	132.4	132.4	131.4	130.3	129.3	128.3
80°	105.8	106.3	106.8	106.8	106.8	106.8	106.8	105.8	104.8	103.3	102.2
82.5°	81.8	81.8	81.8	81.8	82.3	82.3	82.3	79.7	77.7	75.1	72.6
85°	51.1	51.6	51.6	52.1	52.6	52.6	53.2	49.6	46.5	42.9	39.4
87.5°	13.8	13.8	13.8	13.8	13.8	13.3	13.3	10.2	6.6	3.6	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: P367800
 CATALOG NUMBER: MSA-SA3B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367800

CATALOG NUMBER: MSA-SA3B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7
2.5°	1101.0	1104.1	1106.7	1109.7	1110.2	1110.7	1110.7	1111.3	1100.5	1089.8	1078.5
5°	1113.8	1121.0	1128.6	1135.8	1134.3	1132.7	1131.2	1129.7	1126.6	1124.0	1121.0
7.5°	897.6	892.5	886.9	881.2	885.8	890.4	895.0	899.6	901.7	903.7	905.3
10°	780.0	767.2	754.5	741.7	734.5	726.9	719.7	712.0	711.0	710.5	709.5
12.5°	678.8	665.0	651.7	637.9	633.8	629.2	625.1	620.5	624.6	628.7	632.3
15°	560.2	555.1	549.5	543.9	548.5	553.1	557.7	562.3	566.4	569.9	574.0
17.5°	477.4	475.4	472.8	470.3	474.4	479.0	483.0	487.1	496.3	505.5	514.7
20°	423.2	421.7	419.7	417.6	416.1	414.0	412.5	410.5	423.7	436.5	449.8
22.5°	391.0	388.0	384.9	381.8	382.3	382.9	382.9	383.4	394.1	405.3	416.1
25°	350.7	349.6	348.6	347.6	350.7	353.7	356.3	359.3	369.1	378.8	388.0
27.5°	330.2	330.7	331.2	331.7	335.8	340.4	344.5	348.6	355.3	361.9	368.5
30°	319.0	322.0	324.6	327.1	328.7	330.2	331.7	333.3	339.9	346.1	352.7
32.5°	335.8	331.7	327.1	323.1	325.1	327.7	329.7	331.7	337.9	344.0	350.1
35°	320.0	317.9	316.4	314.4	316.9	319.5	321.5	324.1	329.7	334.8	340.4
37.5°	311.8	311.3	310.8	310.3	311.8	313.3	314.4	315.9	321.0	326.1	330.7
40°	311.3	308.7	306.7	304.1	305.7	307.2	308.2	309.8	315.9	322.0	328.2
42.5°	308.2	305.2	301.6	298.5	300.0	302.1	303.6	305.2	311.8	317.9	324.6
45°	307.7	303.1	298.0	293.4	295.4	297.5	299.5	301.6	306.7	311.8	316.4
47.5°	302.1	297.5	292.9	288.3	289.3	290.3	290.8	291.9	296.5	300.6	305.2
50°	297.5	293.9	290.8	287.3	285.7	284.7	283.2	281.6	285.2	288.8	292.4
52.5°	291.9	288.3	284.2	280.6	278.6	276.5	274.5	272.4	275.5	278.1	281.1
55°	288.3	283.7	279.6	275.0	272.4	269.9	267.3	264.8	266.8	268.4	270.4
57.5°	280.6	276.5	271.9	267.8	264.8	261.7	258.1	255.1	256.1	257.1	258.1
60°	270.4	265.8	261.7	257.1	253.5	250.0	245.9	242.3	242.8	243.8	244.3
62.5°	255.6	251.5	246.9	242.8	238.7	235.1	231.0	227.0	228.0	228.5	229.5
65°	239.2	234.6	230.5	225.9	222.4	218.8	214.7	211.1	212.1	213.2	213.7
67.5°	219.3	215.7	212.6	209.1	206.0	202.4	199.4	195.8	196.3	196.8	197.3
70°	197.8	194.8	192.2	189.1	186.6	184.0	181.5	178.9	178.9	179.4	179.4
72.5°	174.8	172.3	169.7	167.1	164.6	162.5	160.0	157.4	158.5	159.5	160.0
75°	151.3	149.3	146.7	144.1	142.1	140.1	137.5	135.5	136.5	137.5	138.0
77.5°	126.8	125.2	123.2	121.7	119.6	117.6	115.0	113.0	114.0	115.0	115.5
80°	101.2	100.2	98.7	97.6	95.6	93.5	91.5	89.5	90.0	90.0	90.5
82.5°	73.1	73.6	73.6	74.1	72.6	70.5	69.0	67.0	67.0	67.0	66.5
85°	40.9	42.9	44.5	46.0	44.5	42.9	41.4	39.9	39.4	39.4	38.8
87.5°	1.5	2.6	4.1	5.1	4.6	4.1	3.1	2.6	3.1	3.6	3.6
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: P367800
 CATALOG NUMBER: MSA-SA3B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367800
 CATALOG NUMBER: MSA-SA3B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7
2.5°	1067.8	1076.5	1085.2	1093.9	1102.6	1115.9	1129.1	1142.9	1156.8	1149.1	1140.9
5°	1117.9	1123.0	1128.6	1133.7	1138.9	1153.7	1168.0	1185.9	1203.3	1201.2	1198.7
7.5°	907.3	914.5	921.6	928.3	935.4	957.9	980.4	999.3	1018.2	1015.7	1012.6
10°	708.5	723.3	738.6	753.4	768.3	786.7	804.6	820.4	836.3	862.8	888.9
12.5°	636.4	659.4	682.4	705.4	728.4	741.7	754.5	774.9	795.4	809.7	824.5
15°	577.6	599.1	620.5	642.0	663.5	664.5	665.5	687.0	708.5	720.7	732.5
17.5°	523.9	535.7	547.5	558.7	570.5	566.4	562.3	572.5	582.2	587.3	592.9
20°	462.6	470.8	479.0	487.1	495.3	500.9	506.0	512.2	517.8	512.7	507.1
22.5°	426.8	439.1	451.9	464.1	476.4	480.0	483.0	479.5	475.9	474.4	472.8
25°	397.7	412.5	427.8	442.7	457.5	464.6	471.8	474.9	477.4	471.8	466.2
27.5°	375.2	393.1	410.5	428.4	445.7	458.5	471.3	474.9	477.9	473.8	469.2
30°	358.8	378.3	397.7	417.1	436.5	456.0	474.9	491.7	508.1	506.6	505.0
32.5°	356.3	369.6	382.9	396.1	409.4	421.7	433.5	434.5	435.0	430.9	426.3
35°	345.5	354.2	362.9	371.6	380.3	388.0	395.1	394.1	393.1	389.0	384.9
37.5°	335.8	344.5	353.7	362.4	371.1	384.4	397.2	394.6	391.5	387.5	383.4
40°	334.3	344.0	353.7	362.9	372.6	384.9	397.2	394.6	392.1	386.9	381.8
42.5°	330.7	340.4	349.6	359.3	368.5	383.4	397.7	393.1	388.0	383.9	379.8
45°	321.5	330.2	338.9	347.6	356.3	372.1	388.0	382.3	376.7	375.2	373.1
47.5°	309.3	317.9	326.6	335.3	344.0	359.9	375.2	370.6	365.5	365.0	363.9
50°	296.0	304.1	312.8	321.0	329.2	345.0	360.4	356.3	352.2	352.7	352.7
52.5°	283.7	291.4	298.5	306.2	313.3	329.2	344.5	341.5	337.9	338.9	339.4
55°	271.9	278.1	284.2	290.3	296.5	311.8	327.1	322.5	317.9	319.5	321.0
57.5°	259.2	264.3	269.4	274.0	279.1	294.4	309.3	304.1	298.5	301.1	303.1
60°	244.8	249.4	254.0	258.1	262.7	276.5	289.8	285.2	280.1	283.7	286.8
62.5°	230.0	233.6	237.2	240.8	244.3	257.1	269.9	266.3	262.7	266.8	270.4
65°	214.7	217.2	220.3	222.9	225.4	237.7	249.4	246.9	244.3	247.9	251.5
67.5°	197.8	199.9	202.4	204.5	206.5	217.8	229.0	226.4	223.4	226.4	229.0
70°	179.4	181.5	183.0	185.0	186.6	196.8	207.0	203.4	199.4	202.4	205.0
72.5°	161.0	162.0	163.6	164.6	165.6	173.3	180.9	177.9	174.8	177.9	180.4
75°	139.0	140.1	141.1	142.1	143.1	149.8	155.9	152.3	148.2	151.3	154.4
77.5°	116.5	117.1	118.1	118.6	119.1	123.7	127.8	124.2	120.1	123.7	127.3
80°	90.5	91.0	91.5	91.5	92.0	93.5	95.1	92.5	89.5	94.1	98.7
82.5°	66.5	65.9	65.9	65.4	64.9	64.9	64.4	62.9	60.8	64.9	69.0
85°	38.3	37.8	36.8	36.3	35.3	33.7	32.2	31.7	31.2	34.8	38.3
87.5°	4.1	3.6	2.6	2.0	1.0	0.5	0.0	0.0	0.0	2.0	4.6
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: P367800
 CATALOG NUMBER: MSA-SA3B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367800

CATALOG NUMBER: MSA-SA3B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7
2.5°	1133.2	1125.1	1117.4	1109.7	1102.1	1094.4	1108.7	1123.0	1137.3	1151.6	1164.4
5°	1196.6	1194.1	1187.4	1181.3	1174.6	1168.0	1171.6	1175.7	1179.2	1182.8	1190.5
7.5°	1010.0	1007.0	1021.3	1035.1	1049.4	1063.2	1066.8	1069.9	1073.4	1076.5	1074.5
10°	915.5	941.6	948.2	954.3	961.0	967.1	977.3	987.6	997.3	1007.5	1013.1
12.5°	838.8	853.1	876.6	900.7	924.2	947.7	963.0	978.4	993.7	1009.0	1040.7
15°	744.8	756.5	774.4	792.3	810.2	828.1	850.1	872.5	894.5	916.5	951.3
17.5°	598.1	603.2	616.5	629.7	642.5	655.8	685.5	714.6	744.2	773.4	813.3
20°	502.0	496.3	496.3	496.8	496.8	496.8	526.5	555.6	585.3	614.4	667.1
22.5°	470.8	469.2	463.6	457.5	451.9	445.7	461.1	476.9	492.2	507.6	550.5
25°	460.0	454.4	447.3	440.1	433.0	425.8	435.5	445.2	454.9	464.6	498.4
27.5°	465.2	460.6	464.1	467.2	470.8	473.8	476.9	480.0	483.0	486.1	497.9
30°	503.5	502.0	507.6	512.7	518.3	523.4	516.3	509.6	502.5	495.3	499.4
32.5°	422.2	417.6	415.6	413.5	411.5	409.4	408.9	408.4	407.4	406.9	416.1
35°	380.8	376.7	373.7	370.6	367.0	363.9	365.5	366.5	368.0	369.1	379.3
37.5°	379.3	375.2	371.6	368.0	363.9	360.4	361.9	363.9	365.5	367.0	374.7
40°	376.7	371.6	369.6	367.5	365.5	363.4	364.5	365.5	366.0	367.0	372.6
42.5°	375.2	371.1	370.1	369.1	368.0	367.0	368.0	369.1	369.6	370.6	377.2
45°	371.6	369.6	370.6	371.6	372.6	373.7	373.7	373.7	373.7	373.7	380.8
47.5°	363.4	362.4	365.5	368.5	371.6	374.7	379.8	384.9	389.5	394.6	396.1
50°	353.2	353.2	358.3	363.4	368.0	373.1	385.4	397.2	409.4	421.2	413.5
52.5°	340.4	340.9	348.6	355.8	363.4	370.6	381.8	393.1	403.8	415.1	403.8
55°	322.0	323.6	333.3	342.5	352.2	361.4	370.1	378.8	387.5	396.1	384.4
57.5°	305.7	307.7	317.9	327.7	337.9	347.6	352.7	358.3	363.4	368.5	360.9
60°	290.3	293.4	306.7	320.0	332.8	346.1	342.0	337.9	333.3	329.2	328.7
62.5°	274.5	278.1	290.3	302.6	314.4	326.6	320.5	314.4	307.7	301.6	304.1
65°	254.6	258.1	263.8	269.4	274.5	280.1	279.6	279.6	279.1	278.6	283.7
67.5°	232.1	234.6	238.2	241.3	244.8	247.9	250.0	252.5	254.6	256.6	262.7
70°	208.0	210.6	214.2	217.2	220.8	223.9	226.4	229.0	231.0	233.6	239.7
72.5°	183.5	186.1	189.6	193.2	196.3	199.9	201.9	204.0	205.5	207.5	212.6
75°	157.4	160.5	164.1	167.1	170.7	173.8	175.3	176.9	178.4	179.9	184.5
77.5°	130.9	134.4	138.0	141.6	145.2	148.7	149.3	149.8	150.3	150.8	154.9
80°	102.7	107.3	110.9	114.5	118.1	121.7	121.7	121.7	121.7	121.7	123.7
82.5°	73.1	77.2	81.3	84.9	88.9	92.5	92.5	92.0	92.0	91.5	91.5
85°	41.9	45.5	48.0	51.1	53.7	56.2	56.2	56.2	55.7	55.7	54.7
87.5°	6.6	8.7	9.7	11.2	12.3	13.3	12.8	12.8	12.3	11.8	10.2
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: P367800
 CATALOG NUMBER: MSA-SA3B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367800

CATALOG NUMBER: MSA-SA3B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7
2.5°	1177.2	1190.0	1202.8	1200.7	1198.7	1196.6	1194.6	1202.2	1209.4	1217.1	1224.2
5°	1197.6	1205.3	1212.5	1218.1	1223.7	1229.3	1235.0	1261.0	1286.6	1312.7	1338.2
7.5°	1072.4	1069.9	1067.8	1091.8	1116.4	1140.4	1164.4	1197.6	1230.9	1264.1	1297.3
10°	1018.7	1024.4	1030.0	1039.7	1049.9	1059.6	1069.3	1102.1	1134.8	1167.5	1200.2
12.5°	1071.9	1103.6	1134.8	1142.4	1150.6	1158.3	1166.0	1172.6	1179.2	1185.4	1192.0
15°	986.0	1020.8	1055.5	1075.5	1095.4	1114.8	1134.8	1184.9	1234.4	1284.5	1334.1
17.5°	852.6	892.5	931.8	980.9	1030.0	1079.1	1128.1	1174.1	1220.1	1265.6	1311.6
20°	719.7	771.8	824.5	878.2	931.3	985.0	1038.2	1083.1	1128.1	1172.6	1217.6
22.5°	592.9	635.9	678.3	743.7	808.7	874.1	939.0	1022.8	1106.1	1190.0	1273.3
25°	531.6	565.3	598.6	666.0	733.5	800.5	867.9	976.8	1085.2	1194.1	1302.4
27.5°	510.1	521.9	533.6	595.0	655.8	717.2	778.0	895.5	1013.1	1130.2	1247.7
30°	503.5	507.6	511.7	559.7	607.8	655.8	703.9	819.9	936.4	1052.5	1168.5
32.5°	424.8	434.0	442.7	489.7	536.2	583.2	629.7	746.8	863.3	980.4	1096.9
35°	389.5	399.7	409.9	456.0	502.0	547.5	593.5	716.6	840.3	963.5	1086.7
37.5°	382.3	390.0	397.7	449.8	502.0	554.1	606.2	731.0	855.7	980.4	1105.1
40°	378.8	384.4	390.0	440.6	491.7	542.3	592.9	723.8	854.1	985.0	1115.3
42.5°	383.4	390.0	396.1	442.2	487.6	533.6	579.1	714.6	849.5	985.0	1119.9
45°	387.5	394.6	401.3	444.2	487.1	530.1	573.0	717.7	861.8	1006.5	1150.6
47.5°	397.2	398.7	399.7	437.0	473.8	511.2	548.0	695.2	842.4	989.1	1136.3
50°	405.3	397.7	389.5	428.4	466.7	505.5	543.9	683.4	823.0	962.0	1101.5
52.5°	392.6	380.8	369.6	411.5	453.4	494.8	536.7	676.3	816.3	955.9	1095.4
55°	373.1	361.4	349.6	392.1	434.5	476.9	519.3	658.4	797.9	937.0	1076.0
57.5°	353.7	346.1	338.4	373.1	408.4	443.2	477.9	628.7	779.0	929.8	1080.1
60°	328.2	327.1	326.6	353.7	381.3	408.4	435.5	583.2	730.4	878.2	1025.4
62.5°	306.2	308.7	310.8	332.8	354.7	376.2	398.2	540.8	683.9	826.5	969.2
65°	289.3	294.4	299.5	324.6	349.6	374.2	399.2	518.8	638.4	758.0	877.7
67.5°	268.9	275.0	281.1	313.9	346.6	379.3	412.0	510.6	609.3	708.0	806.6
70°	245.4	251.5	257.1	299.0	340.4	382.3	423.7	511.2	599.1	686.5	773.9
72.5°	217.8	222.9	228.0	273.0	317.9	362.9	407.9	482.0	556.1	629.7	703.9
75°	189.6	194.2	198.8	237.7	276.5	315.4	354.2	411.5	468.2	525.5	582.2
77.5°	158.5	162.5	166.1	192.2	218.3	244.3	270.4	314.4	357.8	401.8	445.2
80°	125.7	127.8	129.8	145.2	160.0	175.3	190.2	219.3	248.4	277.0	306.2
82.5°	92.0	92.0	92.0	101.7	111.9	121.7	131.4	146.2	160.5	175.3	189.6
85°	53.7	52.1	51.1	57.8	64.4	71.1	77.7	83.8	90.0	96.1	102.2
87.5°	8.7	6.6	5.1	9.2	13.3	17.4	21.5	23.5	26.1	28.1	30.2
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: P367800
 CATALOG NUMBER: MSA-SA3B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367800

CATALOG NUMBER: MSA-SA3B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7
2.5°	1206.8	1190.0	1172.6	1155.2	1180.8	1206.3	1231.9	1257.4	1325.4	1365.8	1368.4
5°	1359.7	1381.1	1402.6	1424.1	1445.6	1467.0	1488.0	1509.4	1619.9	1687.8	1700.6
7.5°	1332.6	1368.4	1403.6	1438.9	1499.7	1560.6	1621.4	1682.2	1775.8	1843.2	1887.7
10°	1244.2	1288.1	1332.1	1376.0	1448.1	1520.7	1592.8	1664.8	1764.0	1852.9	1895.4
12.5°	1262.0	1332.1	1401.6	1471.6	1534.0	1596.9	1659.2	1721.6	1790.1	1823.8	1901.0
15°	1382.7	1431.2	1479.8	1528.4	1622.4	1716.0	1810.0	1903.6	1942.4	2019.6	2089.1
17.5°	1401.1	1490.0	1579.5	1668.4	1783.4	1898.4	2013.5	2128.5	2200.5	2300.2	2384.0
20°	1343.8	1469.6	1595.8	1721.6	1869.8	2018.6	2166.8	2315.0	2406.5	2490.4	2620.2
22.5°	1412.3	1551.4	1689.9	1828.9	2025.7	2222.0	2418.8	2615.1	2806.3	2993.3	3081.3
25°	1488.0	1674.0	1859.6	2045.1	2291.0	2536.4	2782.2	3027.6	3273.5	3448.8	3550.0
27.5°	1434.8	1621.4	1808.5	1995.0	2299.2	2603.8	2908.0	3212.1	3475.4	3686.5	3773.4
30°	1397.5	1626.5	1855.5	2084.5	2441.3	2798.1	3154.9	3511.7	3755.0	3990.6	4118.4
32.5°	1390.9	1684.8	1978.2	2272.1	2687.7	3102.7	3518.3	3933.4	4094.9	4303.9	4476.2
35°	1409.3	1732.3	2054.9	2377.4	2853.8	3330.2	3806.1	4282.5	4512.0	4719.0	4869.8
37.5°	1465.5	1825.9	2185.7	2546.1	3120.1	3694.6	4268.7	4842.7	5227.6	5606.4	5673.9
40°	1497.2	1879.5	2261.4	2643.2	3310.8	3978.3	4645.9	5313.5	5756.1	6171.7	6199.8
42.5°	1534.5	1949.0	2363.1	2777.6	3517.8	4258.5	4998.6	5738.8	6286.7	6733.5	6746.8
45°	1577.4	2003.7	2430.6	2856.9	3629.7	4402.1	5175.0	5947.3	6609.8	7152.6	7020.2
47.5°	1594.3	2052.8	2510.8	2968.8	3792.8	4616.3	5440.3	6263.7	6858.2	7352.0	7225.2
50°	1600.9	2100.9	2600.3	3099.7	3953.3	4807.4	5661.1	6514.7	7119.4	7600.9	7406.7
52.5°	1642.4	2189.3	2736.2	3283.2	4172.6	5062.0	5951.4	6840.8	7435.8	7898.4	7657.1
55°	1698.1	2320.1	2941.7	3563.8	4484.4	5404.5	6325.1	7245.2	7842.2	8272.6	7973.6
57.5°	1749.7	2419.8	3089.4	3759.1	4712.9	5667.2	6621.0	7574.8	8179.5	8605.3	8315.5
60°	1724.6	2423.9	3123.2	3822.4	4759.9	5696.9	6634.3	7571.3	8257.8	8768.4	8620.2
62.5°	1649.0	2328.8	3008.2	3688.0	4577.9	5467.3	6357.3	7246.7	8050.2	8705.0	8698.4
65°	1503.3	2129.0	2754.1	3379.8	4203.3	5027.2	5850.7	6674.2	7621.4	8416.7	8468.4
67.5°	1325.9	1845.3	2364.6	2884.0	3659.4	4434.8	5210.2	5985.7	6998.3	7875.9	7920.4
70°	1154.2	1535.0	1915.3	2295.6	2976.5	3657.3	4337.7	5018.5	6041.4	6929.3	6970.1
72.5°	952.8	1201.7	1450.2	1699.1	2250.6	2802.2	3353.2	3904.7	4802.8	5485.7	5716.3
75°	729.9	877.7	1025.4	1173.1	1619.3	2065.6	2511.3	2957.6	3554.6	4058.6	4318.3
77.5°	521.9	598.6	675.2	751.9	1131.2	1510.5	1889.2	2268.5	2582.4	2868.1	3043.4
80°	342.5	378.3	414.5	450.3	765.7	1081.1	1396.0	1711.4	1902.5	2055.9	2144.3
82.5°	207.5	225.4	242.8	260.7	516.3	771.8	1026.9	1282.5	1391.9	1465.0	1543.7
85°	111.9	121.7	131.4	141.1	305.2	468.7	632.8	796.4	807.1	815.8	932.9
87.5°	32.7	35.8	38.3	40.9	67.5	94.6	121.1	147.7	92.0	57.2	117.6
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: P367800
 CATALOG NUMBER: MSA-SA3B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367800

CATALOG NUMBER: MSA-SA3B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7
2.5°	1353.5	1346.9	1340.3	1333.1	1326.5	1298.3	1270.7	1242.6	1214.5	1241.6	1268.2
5°	1685.8	1706.2	1726.2	1746.6	1767.1	1768.6	1769.6	1771.2	1772.2	1777.3	1782.4
7.5°	1925.0	1961.3	1997.1	2033.4	2069.7	2097.8	2125.9	2154.5	2182.6	2157.1	2131.5
10°	1945.5	2022.1	2098.8	2175.5	2252.2	2266.0	2279.3	2293.1	2306.9	2325.3	2343.1
12.5°	1965.9	2059.5	2152.5	2246.0	2339.6	2380.5	2420.8	2461.7	2502.1	2522.1	2541.5
15°	2182.1	2237.3	2292.0	2347.2	2401.9	2430.0	2457.6	2485.8	2513.9	2530.7	2547.1
17.5°	2460.2	2480.6	2500.6	2521.0	2541.5	2560.4	2579.3	2598.2	2617.1	2620.2	2623.3
20°	2713.7	2717.8	2721.4	2725.5	2729.1	2689.2	2649.8	2610.0	2570.1	2577.3	2583.9
22.5°	3094.0	3071.5	3049.6	3027.1	3005.1	2930.0	2855.3	2780.2	2705.6	2673.4	2641.7
25°	3666.5	3609.3	3552.0	3494.8	3437.5	3317.9	3198.8	3079.2	2960.1	2890.1	2820.6
27.5°	3851.1	3726.3	3602.1	3477.4	3352.7	3262.2	3172.2	3081.8	2991.8	2880.9	2770.0
30°	4224.2	4027.4	3831.1	3634.3	3437.5	3350.1	3262.7	3174.8	3087.4	2973.9	2861.0
32.5°	4554.9	4350.5	4146.0	3941.0	3736.6	3570.9	3405.3	3239.7	3074.1	2997.4	2920.8
35°	4937.8	4680.7	4423.6	4166.4	3909.3	3767.2	3625.6	3483.5	3341.9	3225.9	3110.4
37.5°	5495.5	5222.0	4948.5	4674.5	4401.1	4208.9	4017.2	3825.0	3633.3	3569.4	3506.0
40°	6027.1	5704.0	5381.5	5058.4	4735.9	4588.7	4441.5	4293.7	4146.5	4038.7	3930.8
42.5°	6472.3	6152.8	5833.8	5514.4	5195.4	5088.1	4981.2	4873.9	4767.1	4678.1	4589.2
45°	6625.1	6364.4	6104.2	5843.6	5582.9	5545.0	5507.7	5469.9	5432.6	5366.6	5300.7
47.5°	6871.0	6605.2	6339.9	6074.1	5808.3	5822.1	5835.9	5850.2	5864.0	5867.6	5870.6
50°	7015.6	6763.1	6511.1	6258.6	6006.6	6073.6	6140.0	6207.0	6274.0	6425.8	6577.1
52.5°	7226.7	6978.8	6731.4	6483.5	6235.6	6349.1	6462.1	6575.5	6688.5	6901.1	7113.8
55°	7491.5	7254.4	7017.7	6780.5	6543.8	6654.3	6764.2	6874.6	6984.5	7221.1	7457.8
57.5°	7842.7	7588.6	7335.1	7081.1	6827.5	6929.3	7030.5	7132.2	7233.4	7458.3	7683.2
60°	8242.4	7966.4	7690.4	7413.8	7137.8	7165.9	7193.5	7221.6	7249.2	7493.1	7736.4
62.5°	8438.7	8183.1	7928.1	7672.5	7416.9	7338.7	7260.5	7181.8	7103.6	7321.8	7539.6
65°	8268.5	8092.7	7917.3	7741.5	7565.6	7427.6	7290.1	7152.1	7014.1	7150.6	7286.6
67.5°	7726.7	7627.0	7527.8	7428.1	7328.5	7096.9	6865.4	6633.3	6401.7	6410.9	6419.6
70°	6848.5	6821.9	6795.8	6769.3	6742.7	6394.6	6047.0	5698.9	5350.8	5297.6	5244.5
72.5°	5735.7	5753.1	5769.9	5787.3	5804.7	5430.5	5056.4	4682.2	4308.0	4219.6	4131.2
75°	4442.5	4538.6	4634.7	4731.3	4827.4	4469.6	4111.8	3753.4	3395.6	3286.7	3177.9
77.5°	3139.0	3318.4	3497.3	3676.8	3856.2	3532.6	3209.6	2886.0	2562.4	2491.9	2421.4
80°	2188.8	2276.7	2364.6	2452.5	2540.5	2377.9	2215.4	2052.8	1890.3	1909.7	1928.6
82.5°	1594.3	1614.7	1634.7	1655.1	1675.6	1609.1	1542.7	1475.7	1409.3	1459.9	1510.5
85°	1021.3	1094.4	1167.0	1240.1	1312.7	1239.0	1165.4	1091.3	1017.7	1051.5	1085.2
87.5°	228.5	361.4	494.3	627.7	760.6	689.0	618.0	546.4	474.9	442.7	411.0
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: P367800
 CATALOG NUMBER: MSA-SA3B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367800

CATALOG NUMBER: MSA-SA3B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7
2.5°	1295.3	1322.4	1314.2	1306.5	1298.3	1290.2	1305.0	1319.8	1335.1	1350.0	1344.9
5°	1788.0	1793.1	1744.6	1696.5	1648.0	1599.4	1629.6	1659.7	1689.9	1720.0	1709.3
7.5°	2106.0	2080.4	2052.3	2024.2	1995.6	1967.4	1961.3	1955.2	1948.5	1942.4	1934.2
10°	2361.5	2379.4	2361.0	2343.1	2324.7	2306.3	2263.4	2220.5	2177.0	2134.1	2116.2
12.5°	2561.4	2581.3	2585.9	2590.0	2594.6	2599.2	2551.2	2503.7	2455.6	2407.6	2364.1
15°	2564.0	2580.8	2595.7	2610.0	2624.8	2639.1	2609.5	2580.3	2550.7	2521.0	2507.2
17.5°	2626.8	2629.9	2617.6	2605.9	2593.6	2581.9	2570.1	2558.9	2547.1	2535.9	2513.9
20°	2591.1	2598.2	2596.7	2595.1	2593.1	2591.6	2592.6	2593.1	2594.1	2594.6	2582.4
22.5°	2609.5	2577.3	2583.9	2590.0	2596.7	2602.8	2621.2	2639.6	2658.5	2676.9	2726.0
25°	2750.5	2680.5	2669.8	2659.6	2648.8	2638.6	2686.6	2734.2	2782.2	2830.3	2910.0
27.5°	2658.5	2547.6	2523.1	2498.5	2474.0	2449.5	2522.6	2595.1	2668.2	2741.3	2822.6
30°	2747.5	2634.5	2580.3	2526.1	2471.4	2417.3	2487.3	2556.8	2626.8	2696.4	2786.3
32.5°	2844.1	2767.4	2731.1	2695.3	2659.0	2623.3	2628.9	2634.5	2640.1	2645.8	2772.5
35°	2994.4	2878.3	2842.5	2806.8	2771.0	2735.2	2795.0	2854.3	2914.1	2973.4	3080.7
37.5°	3442.1	3378.2	3313.8	3249.4	3184.5	3120.1	3155.4	3190.6	3225.9	3261.2	3362.4
40°	3822.9	3715.1	3704.4	3694.1	3683.4	3672.7	3675.7	3678.3	3681.4	3684.4	3770.8
42.5°	4499.7	4410.8	4356.1	4301.4	4246.7	4192.0	4188.4	4184.8	4180.8	4177.2	4242.1
45°	5234.3	5168.3	5127.4	5086.5	5045.1	5004.2	4939.3	4874.4	4809.0	4744.1	4800.8
47.5°	5874.2	5877.8	5951.9	6025.5	6099.6	6173.8	6062.8	5951.9	5841.0	5730.1	5657.0
50°	6728.9	6880.2	6898.1	6915.5	6933.3	6951.2	6763.1	6575.5	6387.4	6199.3	6122.6
52.5°	7326.9	7539.6	7512.0	7484.9	7457.3	7429.7	7320.8	7212.4	7103.6	6994.7	6827.5
55°	7695.0	7931.6	7910.7	7890.2	7869.3	7848.3	7769.1	7689.9	7610.6	7531.4	7347.9
57.5°	7908.1	8133.0	8139.2	8145.3	8151.4	8157.6	8136.6	8115.7	8094.7	8073.7	7835.0
60°	7980.2	8224.0	8226.6	8228.6	8231.2	8233.2	8200.0	8166.8	8133.0	8099.8	7943.9
62.5°	7757.8	7975.6	7985.3	7994.5	8004.2	8013.9	7990.9	7967.9	7944.9	7921.9	7806.4
65°	7423.0	7559.5	7562.1	7564.1	7566.7	7569.2	7511.0	7453.2	7394.9	7336.6	7309.0
67.5°	6428.8	6438.0	6492.2	6546.4	6600.6	6654.8	6659.4	6664.0	6669.1	6673.7	6633.8
70°	5191.3	5138.2	5196.9	5255.7	5314.5	5373.3	5398.3	5423.4	5448.9	5474.0	5492.4
72.5°	4042.2	3953.8	3997.3	4040.7	4084.7	4128.1	4090.8	4053.5	4016.2	3978.9	4096.9
75°	3069.0	2960.1	2954.5	2949.4	2943.8	2938.6	2919.7	2900.8	2881.4	2862.5	2972.9
77.5°	2350.3	2279.8	2283.3	2286.4	2290.0	2293.1	2273.6	2254.7	2235.3	2215.9	2258.3
80°	1948.0	1966.9	1967.4	1968.0	1968.5	1969.0	1950.6	1932.7	1914.3	1895.9	1865.2
82.5°	1561.6	1612.2	1611.7	1611.7	1611.2	1610.7	1609.6	1608.6	1607.1	1606.1	1556.0
85°	1118.9	1152.7	1117.9	1083.1	1048.4	1013.6	1039.2	1064.7	1090.8	1116.4	1095.4
87.5°	378.8	347.1	305.7	264.8	223.4	182.0	226.4	270.9	315.9	360.4	385.9
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: P367800
 CATALOG NUMBER: MSA-SA3B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367800

CATALOG NUMBER: MSA-SA3B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7	1110.7
2.5°	1340.3	1335.1	1330.5	1298.3	1265.6	1233.4	1200.7	1260.0	1319.8	1379.1	1438.4
5°	1699.1	1688.4	1678.1	1675.6	1673.0	1670.0	1667.4	1697.6	1727.7	1757.4	1787.5
7.5°	1926.0	1917.9	1909.7	1888.2	1867.3	1845.8	1824.3	1842.7	1860.6	1879.0	1896.9
10°	2098.8	2080.9	2063.0	2016.5	1970.5	1924.0	1877.5	1863.7	1849.9	1836.1	1822.3
12.5°	2320.7	2276.7	2233.2	2180.6	2127.4	2074.8	2021.6	2014.5	2007.3	2000.7	1993.5
15°	2493.9	2480.1	2466.3	2424.4	2382.5	2340.6	2298.7	2242.4	2185.7	2129.5	2073.3
17.5°	2492.4	2470.4	2449.0	2505.2	2560.9	2617.1	2672.8	2613.0	2552.7	2492.9	2433.1
20°	2570.1	2557.3	2545.1	2648.8	2752.1	2855.8	2959.1	2926.4	2893.2	2860.4	2827.2
22.5°	2774.6	2823.6	2872.2	2961.1	3049.6	3138.5	3226.9	3264.3	3301.6	3338.9	3376.2
25°	2989.3	3069.0	3148.7	3281.1	3413.0	3545.4	3677.8	3704.4	3730.9	3757.5	3784.1
27.5°	2903.4	2984.7	3065.9	3166.1	3265.8	3366.0	3465.7	3582.2	3699.2	3815.8	3932.3
30°	2875.8	2965.7	3055.2	3192.7	3329.7	3467.2	3604.7	3765.2	3925.7	4085.7	4246.2
32.5°	2898.8	3025.5	3152.3	3338.4	3523.9	3710.0	3896.0	4064.7	4233.9	4402.6	4571.3
35°	3187.6	3294.9	3401.8	3609.8	3817.8	4025.9	4233.9	4431.7	4629.6	4826.9	5024.7
37.5°	3463.1	3564.3	3665.5	3878.2	4090.3	4302.9	4515.6	4827.9	5140.7	5453.0	5765.3
40°	3856.7	3943.1	4028.9	4210.9	4392.9	4574.9	4756.8	5133.6	5510.3	5887.0	6263.7
42.5°	4306.5	4371.4	4435.8	4624.4	4813.1	5001.7	5190.3	5600.2	6010.7	6420.7	6830.6
45°	4857.0	4913.8	4970.5	5100.3	5230.2	5360.5	5490.3	5913.1	6335.8	6758.5	7181.3
47.5°	5583.9	5510.8	5437.7	5501.6	5565.5	5629.4	5693.3	6111.4	6529.5	6947.1	7365.3
50°	6046.0	5969.3	5892.6	5898.3	5903.4	5909.0	5914.6	6304.6	6694.6	7084.1	7474.1
52.5°	6660.4	6492.7	6325.6	6324.0	6322.5	6320.5	6318.9	6658.9	6999.3	7339.2	7679.1
55°	7164.4	6980.9	6797.4	6761.6	6725.8	6689.5	6653.7	6990.1	7325.9	7662.3	7998.1
57.5°	7596.3	7357.1	7118.4	7062.2	7005.9	6949.7	6893.5	7255.9	7618.8	7981.2	8343.6
60°	7788.5	7632.6	7477.2	7408.2	7339.2	7270.2	7201.2	7509.9	7818.7	8126.9	8435.6
62.5°	7691.4	7575.9	7460.9	7476.7	7492.6	7508.4	7524.2	7700.6	7877.5	8053.8	8230.2
65°	7282.0	7254.4	7227.3	7355.1	7482.8	7610.6	7738.4	7741.0	7743.5	7746.1	7748.6
67.5°	6593.9	6554.1	6514.2	6780.0	7045.3	7311.1	7576.9	7450.6	7324.4	7198.6	7072.4
70°	5510.3	5528.7	5546.6	5908.5	6269.9	6631.8	6993.7	6810.7	6627.2	6444.2	6260.7
72.5°	4215.0	4333.6	4451.7	4826.9	5202.1	5577.2	5952.4	5743.4	5533.8	5324.7	5115.2
75°	3083.3	3193.7	3304.1	3674.7	4045.3	4416.4	4787.0	4538.6	4290.1	4042.2	3793.8
77.5°	2300.7	2343.7	2386.1	2694.3	3002.0	3310.3	3618.0	3368.5	3119.1	2870.2	2620.7
80°	1835.1	1804.4	1774.2	1945.0	2115.7	2286.4	2457.1	2280.3	2102.9	1926.0	1749.2
82.5°	1506.4	1456.3	1406.7	1470.1	1533.5	1597.4	1660.8	1519.2	1377.6	1236.0	1094.4
85°	1074.5	1053.5	1032.5	1050.9	1068.8	1087.2	1105.6	967.6	829.6	692.1	554.1
87.5°	411.0	436.5	462.1	491.2	519.8	549.0	577.6	452.4	327.1	202.4	77.2
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: P367800
 CATALOG NUMBER: MSA-SA3B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367800
 CATALOG NUMBER: MSA-SA3B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1110.7	1110.7
2.5°	1462.9	1487.5
5°	1787.0	1786.5
7.5°	1888.7	1880.0
10°	1799.8	1777.3
12.5°	1927.1	1860.1
15°	2006.8	1939.8
17.5°	2332.4	2231.2
20°	2707.1	2586.5
22.5°	3192.7	3009.2
25°	3564.8	3345.0
27.5°	3802.0	3671.1
30°	4096.4	3946.6
32.5°	4460.9	4350.0
35°	4923.5	4821.8
37.5°	5733.7	5701.5
40°	6225.4	6186.5
42.5°	6832.1	6833.2
45°	7204.3	7227.3
47.5°	7423.5	7481.3
50°	7598.4	7722.1
52.5°	7848.3	8017.5
55°	8223.0	8447.4
57.5°	8534.8	8726.0
60°	8534.8	8633.5
62.5°	8227.6	8224.5
65°	7701.1	7653.1
67.5°	7012.1	6951.7
70°	6166.6	6072.0
72.5°	4998.1	4880.5
75°	3632.8	3471.3
77.5°	2544.0	2466.8
80°	1786.5	1823.8
82.5°	1147.5	1200.7
85°	545.9	537.7
87.5°	64.4	51.6
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: P367800
CATALOG NUMBER: MSA-SA3B-727-U-SLR

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	0.0	0.0
115°	0.0	0.0
117.5°	0.0	0.0
120°	0.0	0.0
122.5°	0.0	0.0
125°	0.0	0.0
127.5°	0.0	0.0
130°	0.0	0.0
132.5°	0.0	0.0
135°	0.0	0.0
137.5°	0.0	0.0
140°	0.0	0.0
142.5°	0.0	0.0
145°	0.0	0.0
147.5°	0.0	0.0
150°	0.0	0.0
152.5°	0.0	0.0
155°	0.0	0.0
157.5°	0.0	0.0
160°	0.0	0.0
162.5°	0.0	0.0
165°	0.0	0.0
167.5°	0.0	0.0
170°	0.0	0.0
172.5°	0.0	0.0
175°	0.0	0.0
177.5°	0.0	0.0
180°	0.0	0.0

(END OF REPORT)