

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: P367668

Luminaire Tested: **MSA-SA3A-727-U-SLR**

Issue Date: 12/2/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P367668  
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-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: 8404 lumens  
Efficiency: N/A  
Efficacy: 87.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

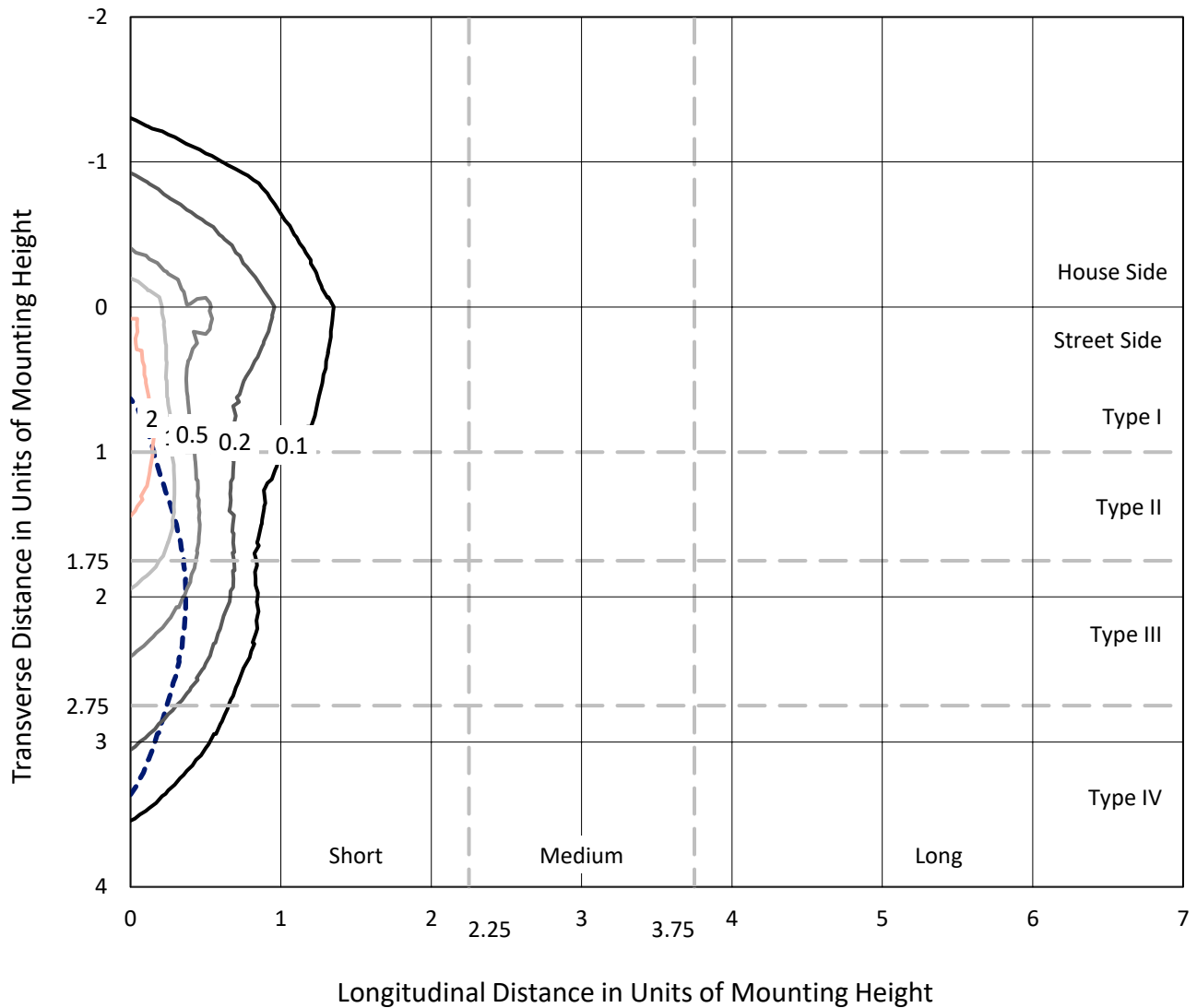
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

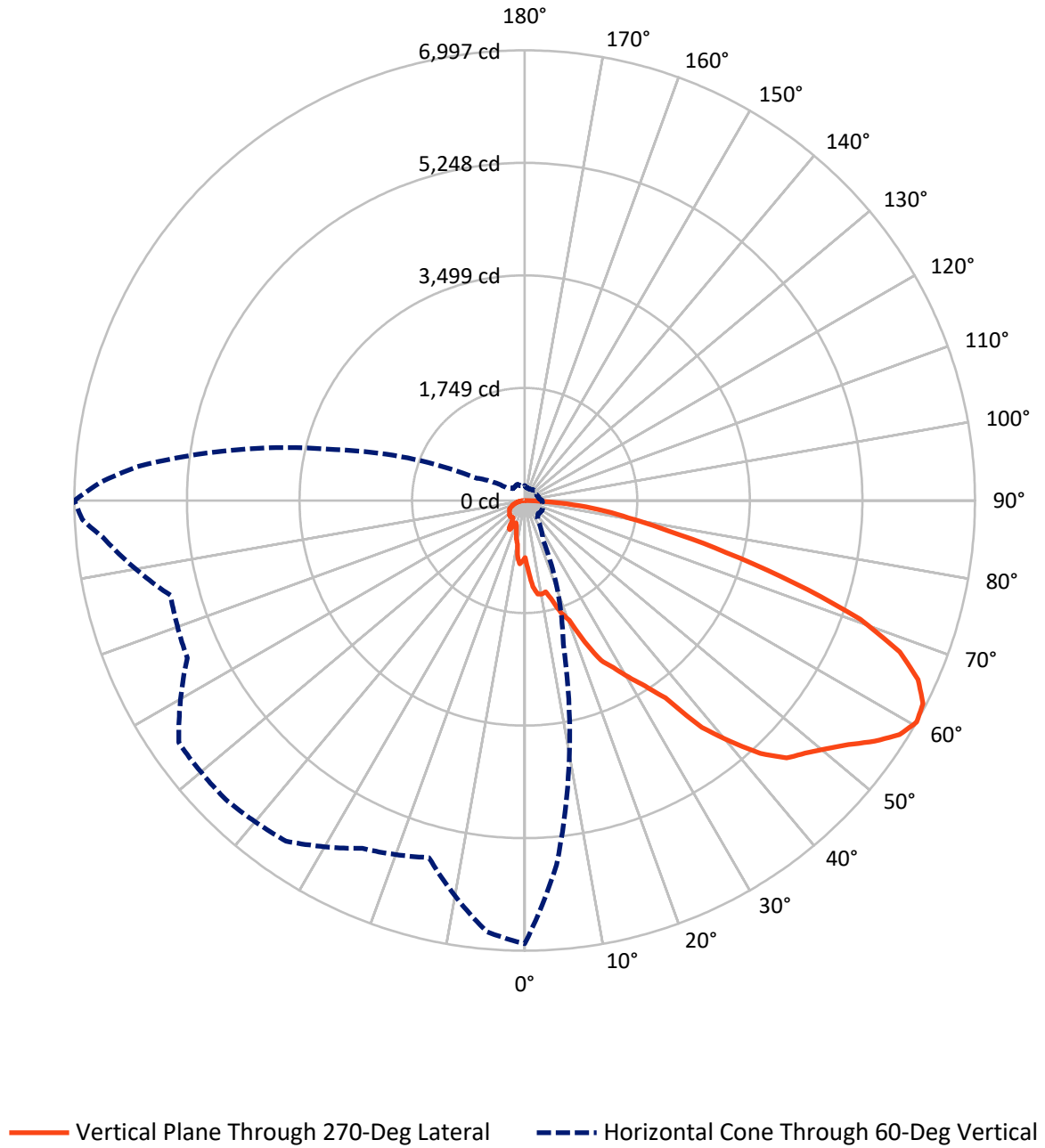
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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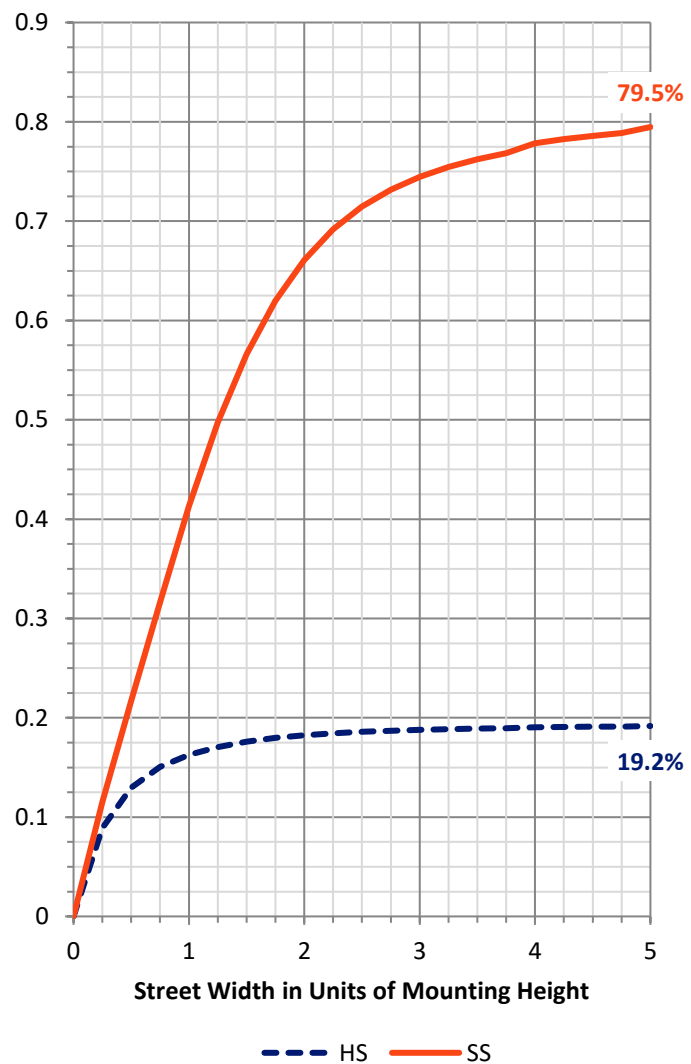
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1627.7	0.0	1627.7
	% Fixture	19.4	0.0	19.4
<b>Street Side</b>	Lumens	6776.3	0.0	6776.3
	% Fixture	80.6	0.0	80.6
<b>Total</b>	Lumens	8404.0	0.0	8404.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.6	1.2
10°-20°	295.3	3.5
20°-30°	521.3	6.2
30°-40°	811.9	9.7
40°-50°	1336.6	15.9
50°-60°	1907.8	22.7
60°-70°	2023.0	24.1
70°-80°	1117.4	13.3
80°-90°	289.1	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°	8404.0	100.0
0°-180°	8404.0	100.0

**Coefficient of Utilization**



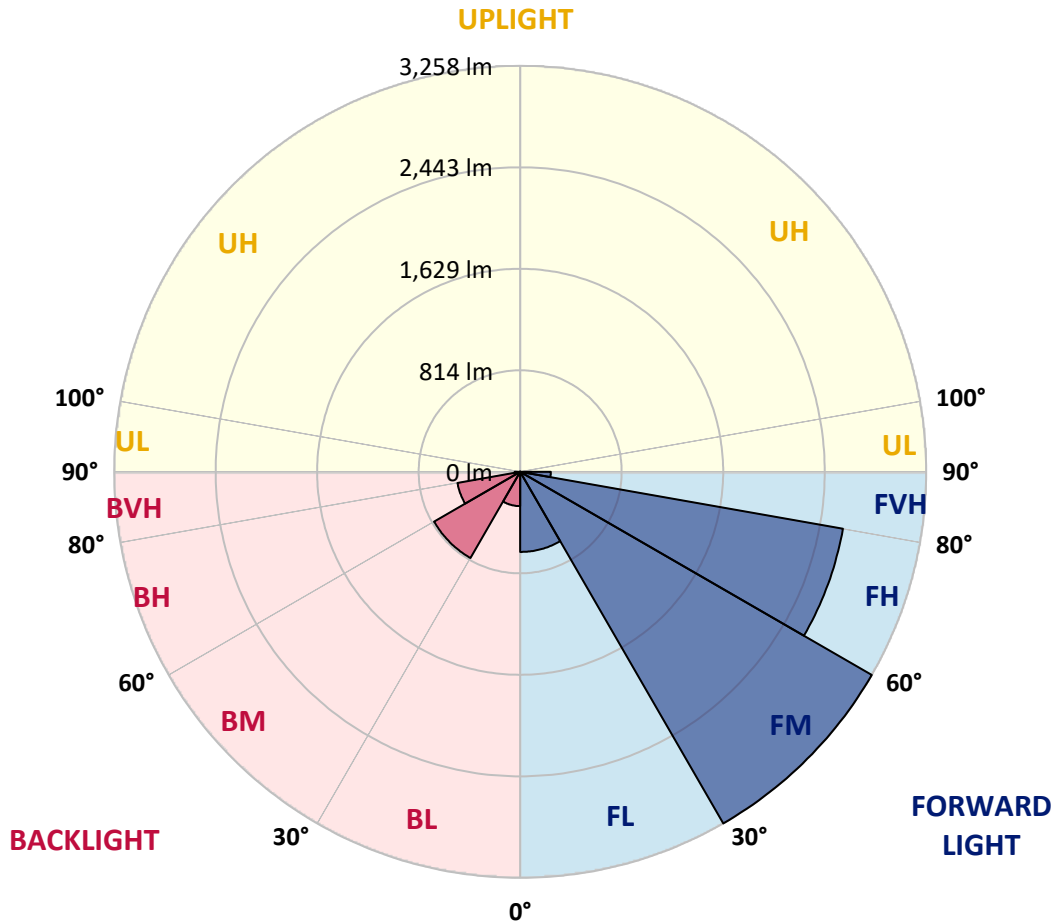
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	643.0	7.7			
FM (30°-60°)	3257.9	38.8			
FH (60°-80°)	2629.6	31.3			G2/5000
FVH (80°-90°)	245.7	2.9			G3/500
BL (0°-30°)	275.1	3.3	B1/500		
BM (30°-60°)	798.4	9.5	B1/1000		
BH (60°-80°)	510.7	6.1	B2/1000		G2/1000
BVH (80°-90°)	43.4	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°	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4
2.5°	1187.0	1194.4	1201.3	1187.4	1173.6	1159.3	1145.4	1124.6	1103.4	1082.6	1061.4
5°	1425.7	1398.7	1371.4	1360.4	1349.8	1338.8	1327.8	1317.6	1307.4	1296.8	1286.6
7.5°	1500.3	1462.0	1423.2	1406.9	1390.6	1373.9	1357.5	1320.8	1284.1	1247.0	1210.3
10°	1418.3	1378.4	1338.0	1322.1	1305.7	1289.8	1273.5	1228.6	1184.2	1139.3	1094.4
12.5°	1484.4	1443.6	1402.4	1351.8	1301.3	1250.3	1199.7	1174.8	1149.9	1124.6	1099.7
15°	1548.0	1493.0	1437.5	1386.9	1336.3	1285.3	1234.8	1185.0	1135.2	1085.5	1035.7
17.5°	1780.6	1688.8	1597.0	1505.6	1413.8	1322.5	1230.7	1173.2	1115.2	1057.7	999.8
20°	2064.1	1936.4	1808.3	1669.6	1530.5	1391.8	1252.7	1180.1	1107.9	1035.3	962.7
22.5°	2401.4	2240.3	2079.2	1904.2	1729.2	1553.8	1378.8	1273.5	1168.3	1062.6	957.4
25°	2669.4	2514.4	2359.4	2137.5	1915.6	1693.7	1471.8	1352.2	1232.7	1112.8	993.3
27.5°	2929.7	2682.9	2435.7	2181.5	1927.8	1673.7	1419.6	1309.0	1198.5	1087.9	977.4
30°	3149.5	2953.7	2757.9	2426.3	2094.7	1762.6	1431.0	1295.1	1159.3	1023.5	887.6
32.5°	3471.4	3191.9	2912.1	2566.2	2220.3	1874.4	1528.5	1354.7	1180.9	1007.1	833.4
35°	3847.9	3557.4	3267.0	2839.1	2411.6	1983.7	1555.8	1371.8	1187.4	1003.5	819.1
37.5°	4549.9	4038.0	3525.6	3058.6	2591.5	2124.0	1657.0	1443.2	1229.5	1015.3	801.6
40°	4937.0	4463.8	3990.6	3408.6	2826.5	2243.9	1661.9	1443.2	1224.2	1005.5	786.5
42.5°	5453.0	4854.6	4255.8	3626.4	2997.4	2368.0	1738.5	1496.2	1253.9	1011.2	768.9
45°	5767.5	5100.6	4433.2	3760.6	3087.9	2415.3	1742.6	1496.6	1250.7	1004.7	758.7
47.5°	5970.3	5329.8	4689.0	3965.0	3240.9	2516.4	1792.4	1531.3	1269.8	1008.8	747.3
50°	6162.4	5528.1	4893.4	4141.6	3390.2	2638.4	1886.6	1601.5	1316.3	1030.8	745.7
52.5°	6398.2	5814.0	5229.5	4423.0	3616.2	2809.7	2002.9	1692.4	1382.0	1071.6	761.2
55°	6741.2	6165.7	5589.7	4724.1	3858.1	2992.5	2126.5	1781.8	1437.5	1092.8	748.1
57.5°	6963.5	6379.8	5796.1	4913.4	4030.6	3147.5	2264.8	1882.9	1501.1	1118.9	737.1
60°	6889.7	6287.6	5685.1	4843.6	4002.1	3160.5	2319.0	1906.6	1494.6	1082.2	669.8
62.5°	6563.4	5923.4	5283.3	4529.5	3776.1	3022.3	2268.4	1849.1	1430.2	1010.8	591.5
65°	6107.3	5445.7	4783.6	4103.6	3423.6	2743.6	2063.7	1683.1	1302.1	921.5	540.5
67.5°	5547.7	4857.9	4167.7	3565.6	2963.5	2361.0	1758.9	1440.8	1123.0	804.8	486.6
70°	4845.6	4167.7	3489.7	2968.8	2447.9	1927.0	1406.1	1166.6	927.6	688.2	448.7
72.5°	3894.8	3309.8	2724.9	2314.9	1905.0	1495.0	1085.1	918.6	752.6	586.2	419.7
75°	2770.2	2426.3	2082.4	1763.4	1444.4	1125.0	806.0	698.4	590.7	483.0	375.3
77.5°	1968.6	1765.9	1563.1	1313.1	1063.0	813.0	562.9	499.7	436.9	373.7	310.4
80°	1455.4	1286.2	1116.9	928.4	740.0	551.5	363.0	332.0	301.5	270.4	239.4
82.5°	958.2	881.9	805.2	655.9	506.6	357.3	208.0	196.6	185.2	173.8	162.4
85°	429.1	453.2	476.9	385.5	293.7	202.3	110.5	105.2	99.9	94.6	89.3
87.5°	41.2	60.8	80.4	68.9	57.1	45.7	33.9	33.4	33.4	33.0	32.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

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





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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4
2.5°	1067.1	1072.8	1078.5	1084.2	1078.1	1072.0	1065.5	1059.4	1051.6	1043.9	1035.7
5°	1269.4	1251.9	1234.8	1217.2	1191.1	1165.0	1138.5	1112.4	1109.1	1105.5	1102.2
7.5°	1178.1	1146.2	1114.0	1081.8	1041.0	1000.6	959.8	919.0	906.8	894.6	882.3
10°	1072.8	1050.8	1029.2	1007.1	981.9	956.6	930.9	905.6	872.1	838.3	804.8
12.5°	1063.8	1028.0	991.6	955.7	940.2	924.7	909.2	893.7	864.4	835.0	805.2
15°	1006.7	977.4	948.4	919.0	896.6	874.2	851.7	829.3	805.6	781.6	757.9
17.5°	966.4	932.9	899.5	866.0	840.3	814.6	788.5	762.8	734.3	705.3	676.7
20°	924.3	886.4	848.1	809.7	777.1	744.9	712.2	679.6	648.2	617.2	585.8
22.5°	907.2	857.0	806.9	756.7	722.4	687.7	653.5	618.8	589.8	560.9	531.9
25°	933.3	873.8	813.8	753.8	707.7	661.2	615.1	568.6	544.6	520.5	496.0
27.5°	902.7	827.7	753.0	678.0	628.6	578.8	529.5	479.7	476.0	472.4	468.3
30°	808.9	730.2	651.4	572.7	527.4	481.7	436.5	390.8	382.2	373.2	364.7
32.5°	753.0	672.7	592.3	511.9	471.6	430.8	390.4	349.6	339.8	330.0	320.2
35°	731.8	644.5	557.2	469.9	435.2	400.6	365.9	331.2	324.3	317.8	310.8
37.5°	714.7	628.2	541.3	454.4	421.0	387.5	353.7	320.2	314.9	309.6	304.3
40°	698.4	610.7	522.5	434.4	404.7	375.3	345.5	315.7	312.5	309.2	305.5
42.5°	683.7	598.4	512.8	427.5	401.0	374.9	348.4	321.8	318.6	315.3	312.1
45°	675.5	592.3	509.1	425.9	406.7	387.5	367.9	348.8	341.0	333.3	325.1
47.5°	669.4	591.5	513.6	435.7	415.7	395.7	375.7	355.7	348.8	341.8	334.5
50°	670.6	596.0	520.9	445.9	421.8	397.3	373.2	348.8	348.0	347.1	346.3
52.5°	681.6	602.5	522.9	443.4	417.3	391.2	364.7	338.6	343.9	348.8	354.1
55°	665.7	583.3	500.5	418.1	393.2	368.8	343.9	319.0	325.9	332.5	339.4
57.5°	647.8	558.4	469.1	379.8	361.0	342.2	323.1	304.3	311.6	319.4	326.7
60°	588.2	506.6	425.0	343.5	330.8	318.2	305.5	292.9	296.1	299.4	302.7
62.5°	522.9	454.0	385.5	316.5	306.8	296.6	286.8	276.6	276.6	277.0	277.0
65°	481.3	422.2	363.0	303.9	292.9	281.9	270.4	259.4	257.8	256.2	254.5
67.5°	439.7	393.2	346.3	299.4	283.5	268.0	252.1	236.2	234.1	232.5	230.5
70°	407.1	365.5	323.9	282.3	264.3	246.8	228.8	210.9	209.3	208.0	206.4
72.5°	380.6	341.8	302.7	263.5	244.8	225.6	206.8	187.6	186.4	185.2	183.6
75°	340.6	306.3	271.7	237.0	218.6	200.7	182.3	164.0	162.4	161.1	159.5
77.5°	281.9	252.9	224.4	195.4	181.1	167.2	153.0	138.7	137.9	137.1	135.8
80°	217.0	194.6	171.7	149.3	139.9	130.1	120.7	111.0	110.5	110.1	109.3
82.5°	148.9	135.4	122.0	108.5	101.6	94.2	87.3	80.0	80.4	80.8	81.2
85°	84.8	80.0	75.5	70.6	64.9	59.6	53.8	48.1	49.4	50.6	51.4
87.5°	31.0	29.4	27.7	26.1	23.3	20.8	17.9	15.1	15.9	17.1	17.9
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: P367668  
 CATALOG NUMBER: MSA-SA3A-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: P367668  
 CATALOG NUMBER: MSA-SA3A-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4
2.5°	1028.0	1015.7	1003.5	991.2	979.0	953.7	928.8	903.5	878.2	893.7	909.7
5°	1098.5	1077.7	1056.5	1035.7	1014.5	1002.7	990.8	979.0	967.2	973.3	979.8
7.5°	870.1	857.8	845.2	833.0	820.3	815.0	810.1	804.8	799.5	814.6	829.7
10°	771.0	753.8	736.7	719.2	702.0	691.8	681.6	671.4	661.2	665.3	669.4
12.5°	775.9	750.6	725.3	700.0	674.7	659.6	644.5	629.4	614.3	618.0	621.7
15°	733.8	707.7	681.6	655.5	629.4	611.9	593.9	576.4	558.4	552.3	545.8
17.5°	647.8	619.2	590.7	562.1	533.6	521.7	509.9	498.1	486.2	479.7	473.2
20°	554.4	527.8	501.3	474.8	448.3	440.1	432.0	423.4	415.3	411.2	406.7
22.5°	503.0	486.6	469.9	453.6	436.9	427.5	418.5	409.1	399.8	395.3	390.4
25°	472.0	475.2	478.9	482.2	485.4	481.3	476.9	472.8	468.3	469.9	471.1
27.5°	464.6	471.6	478.9	485.8	492.8	496.4	500.1	503.8	507.4	508.7	509.9
30°	355.7	359.4	362.6	366.3	369.6	379.8	390.0	399.8	410.0	425.9	442.2
32.5°	310.4	309.2	308.0	306.3	305.1	307.6	310.0	312.1	314.5	320.2	326.3
35°	303.9	301.0	297.8	294.9	291.7	292.9	294.1	295.3	296.6	301.0	305.5
37.5°	299.0	297.8	297.0	295.7	294.5	297.4	299.8	302.7	305.1	308.8	312.5
40°	302.3	301.9	301.5	300.6	300.2	301.9	303.5	305.1	306.8	311.6	316.5
42.5°	308.8	308.8	308.4	308.4	308.0	309.6	310.8	312.5	313.7	316.5	319.4
45°	317.4	316.5	316.1	315.3	314.5	314.1	314.1	313.7	313.3	314.9	317.0
47.5°	327.6	324.7	321.4	318.6	315.3	314.5	313.3	312.5	311.2	312.1	312.9
50°	345.5	337.8	330.4	322.7	314.9	312.9	310.8	308.8	306.8	306.3	306.3
52.5°	359.0	347.5	336.1	324.7	313.3	309.6	305.9	302.3	298.6	297.8	297.4
55°	345.9	337.3	329.2	320.6	312.1	306.8	301.0	295.7	290.0	288.8	287.6
57.5°	334.1	328.8	323.5	318.2	312.9	307.6	301.9	296.6	290.8	288.0	285.1
60°	305.9	305.9	306.3	306.3	306.3	300.6	294.9	289.2	283.5	280.6	278.2
62.5°	277.0	281.5	285.5	290.0	294.1	286.4	278.2	270.4	262.3	260.3	258.6
65°	252.9	254.1	255.8	257.0	258.2	252.1	246.0	239.9	233.7	232.5	230.9
67.5°	228.4	228.0	227.6	226.8	226.4	222.7	218.6	215.0	210.9	209.3	207.6
70°	204.8	204.4	204.0	203.1	202.7	199.5	196.2	192.9	189.7	188.5	187.2
72.5°	182.3	181.9	181.1	180.7	179.9	177.0	174.6	171.7	168.9	167.2	165.6
75°	157.9	157.0	156.2	155.4	154.6	152.2	149.7	146.9	144.4	142.8	141.1
77.5°	135.0	133.8	132.6	130.9	129.7	127.7	125.2	123.2	120.7	118.7	117.1
80°	108.9	108.1	107.3	106.1	105.2	103.2	101.2	98.7	96.7	94.2	92.2
82.5°	81.6	81.2	80.4	80.0	79.1	77.1	75.1	73.0	71.0	68.5	66.1
85°	52.6	52.2	51.8	51.4	51.0	49.4	48.1	46.5	44.9	42.4	40.4
87.5°	18.8	17.9	17.5	16.7	15.9	15.5	14.7	14.3	13.5	12.2	11.0
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: P367668  
 CATALOG NUMBER: MSA-SA3A-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: P367668

CATALOG NUMBER: MSA-SA3A-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4
2.5°	925.2	940.7	941.1	941.1	948.4	955.3	941.1	926.8	912.1	897.8	883.5
5°	985.9	992.1	990.4	988.4	979.4	970.4	961.1	951.7	942.3	932.9	933.3
7.5°	844.8	859.9	872.1	884.0	872.5	861.1	855.0	848.9	842.8	836.6	835.8
10°	673.1	677.1	682.0	686.5	679.6	672.2	684.5	696.7	708.6	720.8	707.3
12.5°	625.3	629.0	620.4	611.5	608.6	605.8	602.9	599.6	596.8	593.5	591.9
15°	539.7	533.1	526.6	519.7	518.1	516.0	514.0	511.5	509.5	507.0	499.7
17.5°	466.7	460.1	449.1	437.7	433.2	428.3	427.1	425.9	424.2	423.0	416.1
20°	402.6	398.1	395.3	392.0	387.5	383.0	378.5	374.1	369.2	364.7	358.2
22.5°	385.9	381.0	377.3	373.2	372.4	371.6	363.5	354.9	346.7	338.2	334.5
25°	472.8	474.0	451.6	428.7	426.7	424.6	410.0	394.9	380.2	365.1	352.4
27.5°	510.7	511.9	511.1	510.3	503.8	496.8	472.0	446.7	421.8	396.5	378.5
30°	458.1	474.0	480.1	486.2	481.7	476.9	450.7	425.0	398.9	372.8	361.0
32.5°	332.0	337.8	348.0	357.7	363.0	367.9	359.8	351.6	343.5	335.3	333.3
35°	309.6	314.1	316.1	318.2	314.9	311.6	305.5	299.4	292.9	286.8	285.5
37.5°	315.7	319.4	323.5	327.6	318.6	309.2	302.3	295.7	288.8	281.9	276.2
40°	321.4	326.3	328.8	331.2	322.3	313.3	304.7	296.6	288.0	279.4	273.7
42.5°	322.3	325.1	329.6	334.1	321.4	308.4	300.6	292.5	284.7	276.6	270.9
45°	318.6	320.2	324.3	328.4	313.7	298.6	291.7	284.3	277.4	270.0	265.1
47.5°	313.3	314.1	317.4	320.2	304.7	288.8	282.3	275.8	268.8	262.3	257.4
50°	305.9	305.5	308.0	310.0	294.1	278.2	271.7	265.6	259.0	252.5	248.4
52.5°	296.6	295.7	298.2	300.2	283.5	266.8	261.1	255.8	250.1	244.3	241.1
55°	285.9	284.7	286.8	288.8	272.5	255.8	250.9	245.6	240.7	235.4	232.5
57.5°	281.9	279.0	280.2	281.5	263.1	244.8	239.9	235.0	230.1	225.2	223.1
60°	275.3	272.5	273.7	274.5	254.9	235.0	230.5	225.6	221.1	216.2	214.2
62.5°	256.6	254.5	256.2	257.8	240.3	222.3	218.2	214.6	210.5	206.4	203.6
65°	229.7	228.0	231.3	234.6	219.5	204.4	201.9	199.5	196.6	194.2	191.3
67.5°	206.0	204.4	207.6	210.9	199.9	188.9	186.4	184.0	181.5	179.1	177.4
70°	186.0	184.8	187.6	190.5	181.1	171.7	169.3	167.2	164.8	162.4	161.1
72.5°	163.6	161.9	165.6	168.9	161.1	153.0	150.9	148.5	146.4	144.0	143.2
75°	139.5	137.9	141.1	144.0	138.7	133.0	130.9	128.9	126.9	124.8	124.4
77.5°	115.0	113.0	116.3	119.1	115.8	112.2	110.5	108.5	106.9	104.8	104.8
80°	89.7	87.3	89.7	91.8	90.6	89.3	88.1	86.5	85.3	83.6	84.0
82.5°	63.6	61.2	62.4	63.6	64.5	65.3	65.3	65.3	65.3	65.3	65.3
85°	37.9	35.5	35.9	36.3	37.5	38.8	39.2	39.6	40.0	40.4	40.8
87.5°	9.8	8.6	7.8	6.5	7.8	8.6	9.4	9.8	10.6	11.0	11.0
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: P367668  
 CATALOG NUMBER: MSA-SA3A-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: P367668  
 CATALOG NUMBER: MSA-SA3A-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4
2.5°	869.3	854.6	840.3	849.3	857.8	866.8	875.4	875.8	875.8	876.2	876.2
5°	934.1	934.5	934.9	926.4	918.2	909.7	901.1	896.6	892.1	887.2	882.7
7.5°	834.6	833.8	832.6	824.4	816.2	808.1	799.9	780.3	760.4	740.8	720.8
10°	693.5	680.0	666.1	662.9	660.0	656.7	653.5	648.2	643.3	638.0	632.7
12.5°	590.3	588.6	587.0	578.4	569.9	560.9	552.3	552.3	552.3	552.3	552.3
15°	491.9	484.6	476.9	472.8	468.3	464.2	459.7	457.7	455.6	453.6	451.6
17.5°	408.7	401.8	394.5	393.6	392.8	392.0	391.2	389.2	387.1	385.1	383.0
20°	351.6	345.1	338.6	341.0	343.5	345.5	348.0	345.9	343.9	341.4	339.4
22.5°	330.4	326.7	322.7	320.6	318.6	316.1	314.1	314.1	314.5	314.5	314.5
25°	340.2	327.6	314.9	308.8	302.7	296.1	290.0	287.6	285.5	283.1	280.6
27.5°	360.6	342.2	324.3	313.7	303.1	292.5	281.9	277.4	272.5	268.0	263.1
30°	348.8	336.9	324.7	312.5	300.2	288.0	275.8	270.0	264.3	258.2	252.5
32.5°	331.2	328.8	326.7	315.3	303.9	292.1	280.6	278.2	276.2	273.7	271.3
35°	283.9	282.7	281.1	278.2	275.3	272.5	269.6	266.4	263.1	259.8	256.6
37.5°	270.9	265.1	259.4	258.2	257.0	255.8	254.5	253.3	252.1	250.5	249.2
40°	268.0	262.3	256.6	254.5	252.5	250.1	248.0	248.4	249.2	249.6	250.1
42.5°	264.7	259.0	252.9	251.3	249.6	248.0	246.4	246.8	247.6	248.0	248.4
45°	260.7	255.8	250.9	248.0	245.6	242.7	239.9	242.3	244.8	246.8	249.2
47.5°	252.5	247.2	242.3	240.7	239.0	237.0	235.4	237.8	240.3	242.3	244.8
50°	243.9	239.9	235.4	235.0	234.6	233.7	233.3	235.0	236.6	238.2	239.9
52.5°	237.4	234.1	230.5	230.5	230.1	230.1	229.7	231.3	232.9	234.1	235.8
55°	230.1	227.2	224.4	224.8	225.6	226.0	226.4	228.0	230.1	231.7	233.3
57.5°	220.7	218.6	216.2	217.8	219.1	220.7	221.9	223.1	224.8	226.0	227.2
60°	211.7	209.7	207.2	208.9	210.9	212.5	214.2	215.4	216.6	217.8	219.1
62.5°	200.7	197.4	194.6	197.0	199.1	201.5	203.6	204.4	205.6	206.4	207.2
65°	188.9	186.0	183.2	184.8	186.4	187.6	189.3	190.5	191.7	192.9	194.2
67.5°	175.4	173.8	171.7	173.0	174.2	175.4	176.6	177.0	177.0	177.4	177.4
70°	159.5	158.3	156.6	157.5	158.7	159.5	160.3	160.3	160.3	159.9	159.9
72.5°	142.8	142.0	141.1	141.5	142.4	142.8	143.2	142.8	142.4	142.0	141.5
75°	124.0	123.6	123.2	123.6	124.4	124.8	125.2	124.8	124.0	123.6	122.8
77.5°	105.2	105.2	105.2	105.2	105.7	105.7	105.7	104.8	104.0	103.2	102.4
80°	84.4	84.8	85.3	85.3	85.3	85.3	85.3	84.4	83.6	82.4	81.6
82.5°	65.3	65.3	65.3	65.3	65.7	65.7	65.7	63.6	62.0	60.0	57.9
85°	40.8	41.2	41.2	41.6	42.0	42.0	42.4	39.6	37.1	34.3	31.4
87.5°	11.0	11.0	11.0	11.0	11.0	10.6	10.6	8.2	5.3	2.9	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: P367668  
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**CANDELA DISTRIBUTION (continued):**

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





REPORT NUMBER: P367668

CATALOG NUMBER: MSA-SA3A-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4
2.5°	878.7	881.1	883.1	885.6	886.0	886.4	886.4	886.8	878.2	869.7	860.7
5°	888.9	894.6	900.7	906.4	905.2	903.9	902.7	901.5	899.0	897.0	894.6
7.5°	716.3	712.2	707.7	703.2	706.9	710.6	714.3	717.9	719.6	721.2	722.4
10°	622.5	612.3	602.1	591.9	586.2	580.1	574.3	568.2	567.4	567.0	566.2
12.5°	541.7	530.7	520.1	509.1	505.8	502.1	498.9	495.2	498.5	501.7	504.6
15°	447.1	443.0	438.5	434.0	437.7	441.4	445.0	448.7	452.0	454.8	458.1
17.5°	381.0	379.4	377.3	375.3	378.5	382.2	385.5	388.7	396.1	403.4	410.8
20°	337.8	336.5	334.9	333.3	332.0	330.4	329.2	327.6	338.2	348.4	359.0
22.5°	312.1	309.6	307.2	304.7	305.1	305.5	305.5	305.9	314.5	323.5	332.0
25°	279.8	279.0	278.2	277.4	279.8	282.3	284.3	286.8	294.5	302.3	309.6
27.5°	263.5	263.9	264.3	264.7	268.0	271.7	274.9	278.2	283.5	288.8	294.1
30°	254.5	257.0	259.0	261.1	262.3	263.5	264.7	266.0	271.3	276.2	281.5
32.5°	268.0	264.7	261.1	257.8	259.4	261.5	263.1	264.7	269.6	274.5	279.4
35°	255.4	253.7	252.5	250.9	252.9	254.9	256.6	258.6	263.1	267.2	271.7
37.5°	248.8	248.4	248.0	247.6	248.8	250.1	250.9	252.1	256.2	260.3	263.9
40°	248.4	246.4	244.8	242.7	243.9	245.2	246.0	247.2	252.1	257.0	261.9
42.5°	246.0	243.5	240.7	238.2	239.4	241.1	242.3	243.5	248.8	253.7	259.0
45°	245.6	241.9	237.8	234.1	235.8	237.4	239.0	240.7	244.8	248.8	252.5
47.5°	241.1	237.4	233.7	230.1	230.9	231.7	232.1	232.9	236.6	239.9	243.5
50°	237.4	234.6	232.1	229.2	228.0	227.2	226.0	224.8	227.6	230.5	233.3
52.5°	232.9	230.1	226.8	223.9	222.3	220.7	219.1	217.4	219.9	221.9	224.4
55°	230.1	226.4	223.1	219.5	217.4	215.4	213.3	211.3	212.9	214.2	215.8
57.5°	223.9	220.7	217.0	213.7	211.3	208.9	206.0	203.6	204.4	205.2	206.0
60°	215.8	212.1	208.9	205.2	202.3	199.5	196.2	193.4	193.8	194.6	195.0
62.5°	204.0	200.7	197.0	193.8	190.5	187.6	184.4	181.1	181.9	182.3	183.2
65°	190.9	187.2	184.0	180.3	177.4	174.6	171.3	168.5	169.3	170.1	170.5
67.5°	175.0	172.1	169.7	166.8	164.4	161.5	159.1	156.2	156.6	157.0	157.5
70°	157.9	155.4	153.4	150.9	148.9	146.9	144.8	142.8	142.8	143.2	143.2
72.5°	139.5	137.5	135.4	133.4	131.3	129.7	127.7	125.6	126.5	127.3	127.7
75°	120.7	119.1	117.1	115.0	113.4	111.8	109.7	108.1	108.9	109.7	110.1
77.5°	101.2	99.9	98.3	97.1	95.5	93.8	91.8	90.1	91.0	91.8	92.2
80°	80.8	80.0	78.7	77.9	76.3	74.6	73.0	71.4	71.8	71.8	72.2
82.5°	58.3	58.7	58.7	59.1	57.9	56.3	55.1	53.4	53.4	53.4	53.0
85°	32.6	34.3	35.5	36.7	35.5	34.3	33.0	31.8	31.4	31.4	31.0
87.5°	1.2	2.0	3.3	4.1	3.7	3.3	2.4	2.0	2.4	2.9	2.9
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: P367668  
 CATALOG NUMBER: MSA-SA3A-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: P367668

CATALOG NUMBER: MSA-SA3A-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4
2.5°	852.1	859.1	866.0	872.9	879.9	890.5	901.1	912.1	923.1	917.0	910.5
5°	892.1	896.2	900.7	904.8	908.8	920.7	932.1	946.4	960.2	958.6	956.6
7.5°	724.1	729.8	735.5	740.8	746.5	764.4	782.4	797.5	812.6	810.5	808.1
10°	565.4	577.2	589.4	601.3	613.1	627.8	642.1	654.7	667.4	688.6	709.4
12.5°	507.9	526.2	544.6	562.9	581.3	591.9	602.1	618.4	634.7	646.1	658.0
15°	460.9	478.1	495.2	512.3	529.5	530.3	531.1	548.2	565.4	575.2	584.5
17.5°	418.1	427.5	436.9	445.9	455.2	452.0	448.7	456.9	464.6	468.7	473.2
20°	369.2	375.7	382.2	388.7	395.3	399.8	403.8	408.7	413.2	409.1	404.7
22.5°	340.6	350.4	360.6	370.4	380.2	383.0	385.5	382.6	379.8	378.5	377.3
25°	317.4	329.2	341.4	353.3	365.1	370.8	376.5	379.0	381.0	376.5	372.0
27.5°	299.4	313.7	327.6	341.8	355.7	365.9	376.1	379.0	381.4	378.1	374.5
30°	286.4	301.9	317.4	332.9	348.4	363.9	379.0	392.4	405.5	404.2	403.0
32.5°	284.3	294.9	305.5	316.1	326.7	336.5	345.9	346.7	347.1	343.9	340.2
35°	275.8	282.7	289.6	296.6	303.5	309.6	315.3	314.5	313.7	310.4	307.2
37.5°	268.0	274.9	282.3	289.2	296.1	306.8	317.0	314.9	312.5	309.2	305.9
40°	266.8	274.5	282.3	289.6	297.4	307.2	317.0	314.9	312.9	308.8	304.7
42.5°	263.9	271.7	279.0	286.8	294.1	305.9	317.4	313.7	309.6	306.3	303.1
45°	256.6	263.5	270.4	277.4	284.3	297.0	309.6	305.1	300.6	299.4	297.8
47.5°	246.8	253.7	260.7	267.6	274.5	287.2	299.4	295.7	291.7	291.3	290.4
50°	236.2	242.7	249.6	256.2	262.7	275.3	287.6	284.3	281.1	281.5	281.5
52.5°	226.4	232.5	238.2	244.3	250.1	262.7	274.9	272.5	269.6	270.4	270.9
55°	217.0	221.9	226.8	231.7	236.6	248.8	261.1	257.4	253.7	254.9	256.2
57.5°	206.8	210.9	215.0	218.6	222.7	235.0	246.8	242.7	238.2	240.3	241.9
60°	195.4	199.1	202.7	206.0	209.7	220.7	231.3	227.6	223.5	226.4	228.8
62.5°	183.6	186.4	189.3	192.1	195.0	205.2	215.4	212.5	209.7	212.9	215.8
65°	171.3	173.4	175.8	177.9	179.9	189.7	199.1	197.0	195.0	197.8	200.7
67.5°	157.9	159.5	161.5	163.2	164.8	173.8	182.7	180.7	178.3	180.7	182.7
70°	143.2	144.8	146.0	147.7	148.9	157.0	165.2	162.4	159.1	161.5	163.6
72.5°	128.5	129.3	130.5	131.3	132.2	138.3	144.4	142.0	139.5	142.0	144.0
75°	111.0	111.8	112.6	113.4	114.2	119.5	124.4	121.6	118.3	120.7	123.2
77.5°	93.0	93.4	94.2	94.6	95.0	98.7	102.0	99.1	95.9	98.7	101.6
80°	72.2	72.6	73.0	73.0	73.4	74.6	75.9	73.8	71.4	75.1	78.7
82.5°	53.0	52.6	52.6	52.2	51.8	51.8	51.4	50.2	48.5	51.8	55.1
85°	30.6	30.2	29.4	29.0	28.1	26.9	25.7	25.3	24.9	27.7	30.6
87.5°	3.3	2.9	2.0	1.6	0.8	0.4	0.0	0.0	0.0	1.6	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367668  
 CATALOG NUMBER: MSA-SA3A-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: P367668

CATALOG NUMBER: MSA-SA3A-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4
2.5°	904.4	897.8	891.7	885.6	879.5	873.3	884.8	896.2	907.6	919.0	929.2
5°	954.9	952.9	947.6	942.7	937.4	932.1	934.9	938.2	941.1	943.9	950.0
7.5°	806.0	803.6	815.0	826.0	837.5	848.5	851.3	853.8	856.6	859.1	857.4
10°	730.6	751.4	756.7	761.6	766.9	771.8	779.9	788.1	795.8	804.0	808.5
12.5°	669.4	680.8	699.6	718.7	737.5	756.3	768.5	780.8	793.0	805.2	830.5
15°	594.3	603.7	618.0	632.3	646.5	660.8	678.4	696.3	713.9	731.4	759.1
17.5°	477.3	481.3	491.9	502.6	512.8	523.4	547.0	570.3	593.9	617.2	649.0
20°	400.6	396.1	396.1	396.5	396.5	396.5	420.2	443.4	467.1	490.3	532.3
22.5°	375.7	374.5	370.0	365.1	360.6	355.7	367.9	380.6	392.8	405.1	439.3
25°	367.1	362.6	356.9	351.2	345.5	339.8	347.5	355.3	363.0	370.8	397.7
27.5°	371.2	367.5	370.4	372.8	375.7	378.1	380.6	383.0	385.5	387.9	397.3
30°	401.8	400.6	405.1	409.1	413.6	417.7	412.0	406.7	401.0	395.3	398.5
32.5°	336.9	333.3	331.6	330.0	328.4	326.7	326.3	325.9	325.1	324.7	332.0
35°	303.9	300.6	298.2	295.7	292.9	290.4	291.7	292.5	293.7	294.5	302.7
37.5°	302.7	299.4	296.6	293.7	290.4	287.6	288.8	290.4	291.7	292.9	299.0
40°	300.6	296.6	294.9	293.3	291.7	290.0	290.8	291.7	292.1	292.9	297.4
42.5°	299.4	296.1	295.3	294.5	293.7	292.9	293.7	294.5	294.9	295.7	301.0
45°	296.6	294.9	295.7	296.6	297.4	298.2	298.2	298.2	298.2	298.2	303.9
47.5°	290.0	289.2	291.7	294.1	296.6	299.0	303.1	307.2	310.8	314.9	316.1
50°	281.9	281.9	285.9	290.0	293.7	297.8	307.6	317.0	326.7	336.1	330.0
52.5°	271.7	272.1	278.2	283.9	290.0	295.7	304.7	313.7	322.3	331.2	322.3
55°	257.0	258.2	266.0	273.3	281.1	288.4	295.3	302.3	309.2	316.1	306.8
57.5°	243.9	245.6	253.7	261.5	269.6	277.4	281.5	285.9	290.0	294.1	288.0
60°	231.7	234.1	244.8	255.4	265.6	276.2	272.9	269.6	266.0	262.7	262.3
62.5°	219.1	221.9	231.7	241.5	250.9	260.7	255.8	250.9	245.6	240.7	242.7
65°	203.1	206.0	210.5	215.0	219.1	223.5	223.1	223.1	222.7	222.3	226.4
67.5°	185.2	187.2	190.1	192.5	195.4	197.8	199.5	201.5	203.1	204.8	209.7
70°	166.0	168.1	170.9	173.4	176.2	178.7	180.7	182.7	184.4	186.4	191.3
72.5°	146.4	148.5	151.3	154.2	156.6	159.5	161.1	162.8	164.0	165.6	169.7
75°	125.6	128.1	130.9	133.4	136.2	138.7	139.9	141.1	142.4	143.6	147.3
77.5°	104.4	107.3	110.1	113.0	115.8	118.7	119.1	119.5	119.9	120.3	123.6
80°	82.0	85.7	88.5	91.4	94.2	97.1	97.1	97.1	97.1	97.1	98.7
82.5°	58.3	61.6	64.9	67.7	71.0	73.8	73.8	73.4	73.4	73.0	73.0
85°	33.4	36.3	38.3	40.8	42.8	44.9	44.9	44.9	44.5	44.5	43.6
87.5°	5.3	6.9	7.8	9.0	9.8	10.6	10.2	10.2	9.8	9.4	8.2
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: P367668  
 CATALOG NUMBER: MSA-SA3A-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: P367668  
 CATALOG NUMBER: MSA-SA3A-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4
2.5°	939.4	949.6	959.8	958.2	956.6	954.9	953.3	959.4	965.1	971.2	977.0
5°	955.7	961.9	967.6	972.1	976.6	981.0	985.5	1006.3	1026.7	1047.5	1067.9
7.5°	855.8	853.8	852.1	871.3	890.9	910.1	929.2	955.7	982.3	1008.8	1035.3
10°	813.0	817.5	822.0	829.7	837.9	845.6	853.4	879.5	905.6	931.7	957.8
12.5°	855.4	880.7	905.6	911.7	918.2	924.3	930.5	935.8	941.1	946.0	951.3
15°	786.9	814.6	842.3	858.3	874.2	889.7	905.6	945.6	985.1	1025.1	1064.7
17.5°	680.4	712.2	743.6	782.8	822.0	861.1	900.3	937.0	973.7	1010.0	1046.7
20°	574.3	616.0	658.0	700.8	743.2	786.1	828.5	864.4	900.3	935.8	971.7
22.5°	473.2	507.4	541.3	593.5	645.3	697.5	749.3	816.2	882.7	949.6	1016.1
25°	424.2	451.2	477.7	531.5	585.4	638.8	692.6	779.5	866.0	952.9	1039.4
27.5°	407.1	416.5	425.9	474.8	523.4	572.3	620.8	714.7	808.5	901.9	995.7
30°	401.8	405.1	408.3	446.7	485.0	523.4	561.7	654.3	747.3	839.9	932.5
32.5°	339.0	346.3	353.3	390.8	427.9	465.4	502.6	596.0	689.0	782.4	875.4
35°	310.8	319.0	327.1	363.9	400.6	436.9	473.6	571.9	670.6	768.9	867.2
37.5°	305.1	311.2	317.4	359.0	400.6	442.2	483.8	583.3	682.9	782.4	881.9
40°	302.3	306.8	311.2	351.6	392.4	432.8	473.2	577.6	681.6	786.1	890.1
42.5°	305.9	311.2	316.1	352.8	389.2	425.9	462.2	570.3	678.0	786.1	893.7
45°	309.2	314.9	320.2	354.5	388.7	423.0	457.3	572.7	687.7	803.2	918.2
47.5°	317.0	318.2	319.0	348.8	378.1	407.9	437.3	554.8	672.2	789.3	906.8
50°	323.5	317.4	310.8	341.8	372.4	403.4	434.0	545.4	656.7	767.7	879.1
52.5°	313.3	303.9	294.9	328.4	361.8	394.9	428.3	539.7	651.4	762.8	874.2
55°	297.8	288.4	279.0	312.9	346.7	380.6	414.4	525.4	636.8	747.7	858.7
57.5°	282.3	276.2	270.0	297.8	325.9	353.7	381.4	501.7	621.7	742.0	861.9
60°	261.9	261.1	260.7	282.3	304.3	325.9	347.5	465.4	582.9	700.8	818.3
62.5°	244.3	246.4	248.0	265.6	283.1	300.2	317.8	431.6	545.8	659.6	773.4
65°	230.9	235.0	239.0	259.0	279.0	298.6	318.6	414.0	509.5	604.9	700.4
67.5°	214.6	219.5	224.4	250.5	276.6	302.7	328.8	407.5	486.2	565.0	643.7
70°	195.8	200.7	205.2	238.6	271.7	305.1	338.2	407.9	478.1	547.8	617.6
72.5°	173.8	177.9	181.9	217.8	253.7	289.6	325.5	384.7	443.8	502.6	561.7
75°	151.3	155.0	158.7	189.7	220.7	251.7	282.7	328.4	373.7	419.3	464.6
77.5°	126.5	129.7	132.6	153.4	174.2	195.0	215.8	250.9	285.5	320.6	355.3
80°	100.3	102.0	103.6	115.8	127.7	139.9	151.7	175.0	198.2	221.1	244.3
82.5°	73.4	73.4	73.4	81.2	89.3	97.1	104.8	116.7	128.1	139.9	151.3
85°	42.8	41.6	40.8	46.1	51.4	56.7	62.0	66.9	71.8	76.7	81.6
87.5°	6.9	5.3	4.1	7.3	10.6	13.9	17.1	18.8	20.8	22.4	24.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367668  
 CATALOG NUMBER: MSA-SA3A-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: P367668

CATALOG NUMBER: MSA-SA3A-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4
2.5°	963.1	949.6	935.8	921.9	942.3	962.7	983.1	1003.5	1057.7	1090.0	1092.0
5°	1085.1	1102.2	1119.3	1136.5	1153.6	1170.7	1187.4	1204.6	1292.7	1346.9	1357.1
7.5°	1063.4	1092.0	1120.1	1148.3	1196.8	1245.4	1293.9	1342.5	1417.1	1470.9	1506.4
10°	992.9	1028.0	1063.0	1098.1	1155.6	1213.6	1271.1	1328.6	1407.7	1478.7	1512.6
12.5°	1007.1	1063.0	1118.5	1174.4	1224.2	1274.3	1324.1	1373.9	1428.5	1455.4	1517.0
15°	1103.4	1142.2	1180.9	1219.7	1294.7	1369.4	1444.4	1519.1	1550.1	1611.7	1667.2
17.5°	1118.1	1189.1	1260.5	1331.4	1423.2	1515.0	1606.8	1698.6	1756.1	1835.6	1902.5
20°	1072.4	1172.8	1273.5	1373.9	1492.2	1610.9	1729.2	1847.5	1920.5	1987.4	2091.0
22.5°	1127.1	1238.0	1348.6	1459.5	1616.6	1773.2	1930.3	2086.9	2239.5	2388.8	2458.9
25°	1187.4	1335.9	1484.0	1632.1	1828.3	2024.1	2220.3	2416.1	2612.3	2752.2	2833.0
27.5°	1145.0	1293.9	1443.2	1592.1	1834.8	2077.9	2320.6	2563.3	2773.4	2941.9	3011.2
30°	1115.2	1298.0	1480.7	1663.5	1948.2	2232.9	2517.7	2802.4	2996.6	3184.6	3286.6
32.5°	1109.9	1344.5	1578.6	1813.2	2144.8	2476.1	2807.7	3138.9	3267.8	3434.7	3572.1
35°	1124.6	1382.4	1639.8	1897.2	2277.4	2657.6	3037.3	3417.5	3600.7	3765.9	3886.2
37.5°	1169.5	1457.1	1744.3	2031.8	2489.9	2948.4	3406.5	3864.6	4171.8	4474.0	4527.9
40°	1194.8	1499.9	1804.6	2109.3	2642.1	3174.8	3707.6	4240.3	4593.5	4925.2	4947.6
42.5°	1224.6	1555.4	1885.8	2216.6	2807.3	3398.4	3989.0	4579.7	5017.0	5373.5	5384.1
45°	1258.8	1599.0	1939.6	2279.8	2896.6	3513.0	4129.7	4746.1	5274.8	5708.0	5602.3
47.5°	1272.3	1638.2	2003.7	2369.2	3026.7	3683.9	4341.5	4998.6	5473.0	5867.1	5765.9
50°	1277.6	1676.5	2075.1	2473.6	3154.8	3836.5	4517.7	5198.9	5681.5	6065.7	5910.7
52.5°	1310.6	1747.1	2183.6	2620.0	3329.8	4039.6	4749.4	5459.1	5934.0	6303.1	6110.6
55°	1355.1	1851.5	2347.6	2844.0	3578.7	4312.9	5047.6	5781.8	6258.3	6601.7	6363.1
57.5°	1396.3	1931.1	2465.4	2999.8	3761.0	4522.6	5283.7	6044.9	6527.5	6867.3	6636.0
60°	1376.3	1934.3	2492.4	3050.4	3798.5	4546.2	5294.4	6042.1	6589.9	6997.4	6879.1
62.5°	1315.9	1858.5	2400.6	2943.1	3653.3	4363.1	5073.3	5783.0	6424.3	6946.8	6941.5
65°	1199.7	1699.0	2197.9	2697.1	3354.3	4011.9	4669.0	5326.2	6082.0	6716.8	6758.0
67.5°	1058.1	1472.6	1887.0	2301.5	2920.3	3539.1	4157.9	4776.7	5584.8	6285.2	6320.7
70°	921.1	1225.0	1528.5	1832.0	2375.3	2918.6	3461.6	4004.9	4821.2	5529.7	5562.4
72.5°	760.4	959.0	1157.3	1355.9	1796.1	2236.2	2675.9	3116.1	3832.8	4377.8	4561.7
75°	582.5	700.4	818.3	936.2	1292.3	1648.4	2004.1	2360.2	2836.7	3238.9	3446.1
77.5°	416.5	477.7	538.9	600.0	902.7	1205.4	1507.7	1810.3	2060.8	2288.8	2428.7
80°	273.3	301.9	330.8	359.4	611.1	862.7	1114.0	1365.7	1518.3	1640.6	1711.2
82.5°	165.6	179.9	193.8	208.0	412.0	616.0	819.5	1023.5	1110.8	1169.1	1231.9
85°	89.3	97.1	104.8	112.6	243.5	374.1	505.0	635.5	644.1	651.0	744.4
87.5°	26.1	28.6	30.6	32.6	53.8	75.5	96.7	117.9	73.4	45.7	93.8
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: P367668  
 CATALOG NUMBER: MSA-SA3A-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: P367668

CATALOG NUMBER: MSA-SA3A-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4
2.5°	1080.2	1074.9	1069.6	1063.8	1058.5	1036.1	1014.1	991.6	969.2	990.8	1012.0
5°	1345.3	1361.6	1377.5	1393.9	1410.2	1411.4	1412.2	1413.4	1414.2	1418.3	1422.4
7.5°	1536.2	1565.2	1593.7	1622.7	1651.7	1674.1	1696.5	1719.4	1741.8	1721.4	1701.0
10°	1552.5	1613.7	1674.9	1736.1	1797.3	1808.3	1818.9	1829.9	1840.9	1855.6	1869.9
12.5°	1568.8	1643.5	1717.7	1792.4	1867.0	1899.7	1931.9	1964.5	1996.8	2012.7	2028.2
15°	1741.4	1785.5	1829.1	1873.2	1916.8	1939.2	1961.3	1983.7	2006.1	2019.6	2032.6
17.5°	1963.3	1979.6	1995.5	2011.8	2028.2	2043.3	2058.3	2073.4	2088.5	2091.0	2093.4
20°	2165.6	2168.9	2171.7	2175.0	2177.9	2146.0	2114.6	2082.8	2051.0	2056.7	2062.0
22.5°	2469.1	2451.2	2433.6	2415.7	2398.1	2338.2	2278.6	2218.7	2159.1	2133.4	2108.1
25°	2926.0	2880.3	2834.6	2788.9	2743.2	2647.8	2552.7	2457.3	2362.2	2306.4	2250.9
27.5°	3073.2	2973.7	2874.6	2775.1	2675.5	2603.3	2531.5	2459.3	2387.5	2299.0	2210.5
30°	3371.0	3214.0	3057.3	2900.3	2743.2	2673.5	2603.7	2533.6	2463.8	2373.3	2283.1
32.5°	3634.9	3471.8	3308.6	3145.0	2981.9	2849.7	2717.5	2585.4	2453.2	2392.0	2330.8
35°	3940.5	3735.3	3530.1	3324.9	3119.7	3006.3	2893.4	2780.0	2667.0	2574.4	2482.2
37.5°	4385.5	4167.3	3949.0	3730.4	3512.2	3358.8	3205.8	3052.4	2899.5	2848.5	2797.9
40°	4809.7	4551.9	4294.5	4036.7	3779.3	3661.9	3544.4	3426.5	3309.0	3222.9	3136.9
42.5°	5165.0	4910.1	4655.6	4400.6	4146.1	4060.4	3975.1	3889.5	3804.2	3733.3	3662.3
45°	5287.0	5079.0	4871.3	4663.3	4455.3	4425.1	4395.3	4365.1	4335.3	4282.7	4230.1
47.5°	5483.2	5271.1	5059.4	4847.3	4635.2	4646.2	4657.2	4668.6	4679.6	4682.5	4684.9
50°	5598.7	5397.1	5196.0	4994.5	4793.4	4846.9	4899.9	4953.3	5006.8	5127.9	5248.7
52.5°	5767.1	5569.3	5371.9	5174.0	4976.2	5066.7	5156.9	5247.4	5337.6	5507.3	5677.0
55°	5978.4	5789.2	5600.3	5411.0	5222.1	5310.3	5398.0	5486.1	5573.8	5762.6	5951.5
57.5°	6258.7	6055.9	5853.6	5650.9	5448.5	5529.7	5610.5	5691.7	5772.4	5951.9	6131.4
60°	6577.7	6357.4	6137.1	5916.4	5696.1	5718.6	5740.6	5763.0	5785.1	5979.7	6173.8
62.5°	6734.3	6530.3	6326.8	6122.8	5918.9	5856.5	5794.0	5731.2	5668.8	5843.0	6016.8
65°	6598.5	6458.1	6318.2	6177.9	6037.6	5927.4	5817.7	5707.6	5597.4	5706.3	5814.9
67.5°	6166.1	6086.5	6007.4	5927.8	5848.3	5663.5	5478.7	5293.5	5108.7	5116.1	5123.0
70°	5465.3	5444.1	5423.3	5402.0	5380.8	5103.0	4825.7	4547.9	4270.1	4227.6	4185.2
72.5°	4577.2	4591.1	4604.6	4618.4	4632.3	4333.7	4035.1	3736.5	3437.9	3367.4	3296.8
75°	3545.2	3621.9	3698.6	3775.7	3852.4	3566.8	3281.3	2995.3	2709.8	2622.9	2536.0
77.5°	2505.0	2648.2	2791.0	2934.1	3077.3	2819.1	2561.3	2303.1	2044.9	1988.6	1932.3
80°	1746.7	1816.9	1887.0	1957.2	2027.3	1897.6	1767.9	1638.2	1508.5	1524.0	1539.1
82.5°	1272.3	1288.6	1304.5	1320.8	1337.2	1284.1	1231.1	1177.7	1124.6	1165.0	1205.4
85°	815.0	873.3	931.3	989.6	1047.5	988.8	930.1	870.9	812.2	839.1	866.0
87.5°	182.3	288.4	394.5	500.9	607.0	549.9	493.2	436.1	379.0	353.3	328.0
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: P367668  
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**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P367668

CATALOG NUMBER: MSA-SA3A-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4
2.5°	1033.7	1055.3	1048.8	1042.6	1036.1	1029.6	1041.4	1053.2	1065.5	1077.3	1073.2
5°	1426.9	1431.0	1392.2	1353.9	1315.1	1276.4	1300.4	1324.5	1348.6	1372.6	1364.1
7.5°	1680.6	1660.2	1637.8	1615.4	1592.5	1570.1	1565.2	1560.3	1555.0	1550.1	1543.6
10°	1884.6	1898.9	1884.2	1869.9	1855.2	1840.5	1806.3	1772.0	1737.3	1703.1	1688.8
12.5°	2044.1	2060.0	2063.7	2066.9	2070.6	2074.3	2035.9	1998.0	1959.6	1921.3	1886.6
15°	2046.1	2059.6	2071.4	2082.8	2094.7	2106.1	2082.4	2059.2	2035.5	2011.8	2000.8
17.5°	2096.3	2098.7	2088.9	2079.6	2069.8	2060.4	2051.0	2042.0	2032.6	2023.7	2006.1
20°	2067.7	2073.4	2072.2	2071.0	2069.4	2068.1	2069.0	2069.4	2070.2	2070.6	2060.8
22.5°	2082.4	2056.7	2062.0	2066.9	2072.2	2077.1	2091.8	2106.5	2121.6	2136.3	2175.4
25°	2195.0	2139.1	2130.5	2122.4	2113.8	2105.7	2144.0	2181.9	2220.3	2258.6	2322.3
27.5°	2121.6	2033.1	2013.5	1993.9	1974.3	1954.7	2013.1	2071.0	2129.3	2187.7	2252.5
30°	2192.6	2102.4	2059.2	2015.9	1972.3	1929.0	1984.9	2040.4	2096.3	2151.8	2223.6
32.5°	2269.6	2208.5	2179.5	2150.9	2122.0	2093.4	2097.9	2102.4	2106.9	2111.4	2212.5
35°	2389.6	2297.0	2268.4	2239.9	2211.3	2182.8	2230.5	2277.8	2325.5	2372.9	2458.5
37.5°	2746.9	2695.9	2644.5	2593.1	2541.3	2489.9	2518.1	2546.2	2574.4	2602.5	2683.3
40°	3050.8	2964.7	2956.2	2948.0	2939.4	2930.9	2933.3	2935.4	2937.8	2940.3	3009.2
42.5°	3590.9	3519.9	3476.3	3432.6	3389.0	3345.3	3342.5	3339.6	3336.4	3333.5	3385.3
45°	4177.1	4124.4	4091.8	4059.2	4026.1	3993.5	3941.7	3889.9	3837.7	3785.9	3831.2
47.5°	4687.8	4690.6	4749.8	4808.5	4867.7	4926.8	4838.3	4749.8	4661.3	4572.7	4514.4
50°	5369.8	5490.6	5504.8	5518.7	5533.0	5547.3	5397.1	5247.4	5097.3	4947.2	4886.0
52.5°	5847.1	6016.8	5994.7	5973.1	5951.1	5929.1	5842.2	5755.7	5668.8	5581.9	5448.5
55°	6140.8	6329.6	6312.9	6296.6	6279.9	6263.2	6199.9	6136.7	6073.5	6010.2	5863.8
57.5°	6310.9	6490.4	6495.3	6500.2	6505.0	6509.9	6493.2	6476.5	6459.8	6443.0	6252.5
60°	6368.4	6563.0	6565.0	6566.6	6568.7	6570.3	6543.8	6517.3	6490.4	6463.8	6339.4
62.5°	6191.0	6364.7	6372.5	6379.8	6387.6	6395.3	6377.0	6358.6	6340.2	6321.9	6229.7
65°	5923.8	6032.7	6034.7	6036.4	6038.4	6040.4	5993.9	5947.8	5901.3	5854.8	5832.8
67.5°	5130.4	5137.7	5180.9	5224.2	5267.4	5310.7	5314.3	5318.0	5322.1	5325.8	5293.9
70°	4142.8	4100.4	4147.3	4194.2	4241.1	4288.0	4308.0	4328.0	4348.4	4368.4	4383.1
72.5°	3225.8	3155.2	3189.9	3224.6	3259.7	3294.3	3264.6	3234.8	3205.0	3175.2	3269.5
75°	2449.1	2362.2	2357.8	2353.7	2349.2	2345.1	2330.0	2314.9	2299.4	2284.3	2372.4
77.5°	1875.6	1819.3	1822.2	1824.6	1827.5	1829.9	1814.4	1799.3	1783.8	1768.3	1802.2
80°	1554.6	1569.7	1570.1	1570.5	1570.9	1571.3	1556.6	1542.3	1527.6	1513.0	1488.5
82.5°	1246.2	1286.6	1286.2	1286.2	1285.8	1285.3	1284.5	1283.7	1282.5	1281.7	1241.7
85°	892.9	919.9	892.1	864.4	836.6	808.9	829.3	849.7	870.5	890.9	874.2
87.5°	302.3	277.0	243.9	211.3	178.3	145.2	180.7	216.2	252.1	287.6	308.0
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: P367668  
 CATALOG NUMBER: MSA-SA3A-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: P367668

CATALOG NUMBER: MSA-SA3A-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4	886.4
2.5°	1069.6	1065.5	1061.8	1036.1	1010.0	984.3	958.2	1005.5	1053.2	1100.6	1147.9
5°	1355.9	1347.3	1339.2	1337.2	1335.1	1332.7	1330.6	1354.7	1378.8	1402.4	1426.5
7.5°	1537.0	1530.5	1524.0	1506.8	1490.1	1473.0	1455.9	1470.5	1484.8	1499.5	1513.8
10°	1674.9	1660.6	1646.4	1609.2	1572.5	1535.4	1498.3	1487.3	1476.3	1465.2	1454.2
12.5°	1851.9	1816.9	1782.2	1740.2	1697.7	1655.7	1613.3	1607.6	1601.9	1596.6	1590.9
15°	1990.2	1979.2	1968.2	1934.7	1901.3	1867.9	1834.4	1789.5	1744.3	1699.4	1654.5
17.5°	1989.0	1971.5	1954.3	1999.2	2043.7	2088.5	2133.0	2085.3	2037.1	1989.4	1941.7
20°	2051.0	2040.8	2031.0	2113.8	2196.2	2279.0	2361.4	2335.3	2308.8	2282.7	2256.2
22.5°	2214.2	2253.3	2292.1	2363.1	2433.6	2504.6	2575.2	2605.0	2634.7	2664.5	2694.3
25°	2385.5	2449.1	2512.8	2618.4	2723.7	2829.3	2935.0	2956.2	2977.4	2998.6	3019.8
27.5°	2317.0	2381.8	2446.7	2526.6	2606.2	2686.1	2765.7	2858.7	2952.1	3045.1	3138.1
30°	2294.9	2366.7	2438.1	2547.8	2657.2	2766.9	2876.6	3004.7	3132.8	3260.5	3388.6
32.5°	2313.3	2414.5	2515.6	2664.1	2812.2	2960.7	3109.1	3243.8	3378.8	3513.4	3648.0
35°	2543.8	2629.4	2714.7	2880.7	3046.7	3212.8	3378.8	3536.6	3694.5	3852.0	4009.8
37.5°	2763.6	2844.4	2925.2	3094.9	3264.1	3433.8	3603.5	3852.8	4102.4	4351.7	4600.9
40°	3077.7	3146.7	3215.2	3360.4	3505.6	3650.9	3796.1	4096.7	4397.3	4698.0	4998.6
42.5°	3436.7	3488.5	3539.9	3690.4	3840.9	3991.5	4142.0	4469.1	4796.7	5123.8	5451.0
45°	3876.0	3921.3	3966.6	4070.2	4173.8	4277.8	4381.4	4718.8	5056.1	5393.5	5730.8
47.5°	4456.1	4397.7	4339.4	4390.4	4441.4	4492.4	4543.4	4877.1	5210.7	5544.0	5877.7
50°	4824.8	4763.7	4702.5	4707.0	4711.0	4715.5	4720.0	5031.2	5342.5	5653.3	5964.6
52.5°	5315.2	5181.4	5048.0	5046.7	5045.5	5043.9	5042.7	5313.9	5585.6	5856.9	6128.1
55°	5717.4	5570.9	5424.5	5395.9	5367.4	5338.4	5309.9	5578.3	5846.3	6114.7	6382.7
57.5°	6062.0	5871.1	5680.6	5635.8	5590.9	5546.0	5501.2	5790.4	6080.0	6369.2	6658.4
60°	6215.4	6091.0	5967.0	5911.9	5856.9	5801.8	5746.7	5993.1	6239.5	6485.5	6731.8
62.5°	6137.9	6045.7	5954.0	5966.6	5979.2	5991.9	6004.5	6145.3	6286.4	6427.1	6567.9
65°	5811.2	5789.2	5767.5	5869.5	5971.5	6073.5	6175.5	6177.5	6179.5	6181.6	6183.6
67.5°	5262.1	5230.3	5198.5	5410.6	5622.3	5834.4	6046.5	5945.8	5845.0	5744.7	5643.9
70°	4397.3	4412.0	4426.3	4715.1	5003.5	5292.3	5581.1	5435.1	5288.6	5142.6	4996.2
72.5°	3363.7	3458.3	3552.5	3852.0	4151.4	4450.8	4750.2	4583.4	4416.1	4249.3	4082.0
75°	2460.6	2548.7	2636.8	2932.5	3228.3	3524.4	3820.1	3621.9	3423.6	3225.8	3027.6
77.5°	1836.0	1870.3	1904.2	2150.1	2395.7	2641.7	2887.2	2688.2	2489.1	2290.5	2091.4
80°	1464.4	1439.9	1415.9	1552.1	1688.4	1824.6	1960.9	1819.7	1678.2	1537.0	1395.9
82.5°	1202.1	1162.2	1122.6	1173.2	1223.8	1274.7	1325.3	1212.3	1099.3	986.3	873.3
85°	857.4	840.7	824.0	838.7	853.0	867.6	882.3	772.2	662.0	552.3	442.2
87.5°	328.0	348.4	368.8	392.0	414.9	438.1	460.9	361.0	261.1	161.5	61.6
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: P367668  
 CATALOG NUMBER: MSA-SA3A-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: P367668  
CATALOG NUMBER: MSA-SA3A-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	886.4	886.4
2.5°	1167.5	1187.0
5°	1426.1	1425.7
7.5°	1507.3	1500.3
10°	1436.3	1418.3
12.5°	1537.8	1484.4
15°	1601.5	1548.0
17.5°	1861.3	1780.6
20°	2160.3	2064.1
22.5°	2547.8	2401.4
25°	2844.8	2669.4
27.5°	3034.1	2929.7
30°	3269.0	3149.5
32.5°	3559.9	3471.4
35°	3929.1	3847.9
37.5°	4575.6	4549.9
40°	4968.0	4937.0
42.5°	5452.2	5453.0
45°	5749.2	5767.5
47.5°	5924.2	5970.3
50°	6063.7	6162.4
52.5°	6263.2	6398.2
55°	6562.2	6741.2
57.5°	6811.0	6963.5
60°	6811.0	6889.7
62.5°	6565.8	6563.4
65°	6145.7	6107.3
67.5°	5595.8	5547.7
70°	4921.1	4845.6
72.5°	3988.6	3894.8
75°	2899.1	2770.2
77.5°	2030.2	1968.6
80°	1425.7	1455.4
82.5°	915.8	958.2
85°	435.7	429.1
87.5°	51.4	41.2
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0



REPORT NUMBER: P367668  
CATALOG NUMBER: MSA-SA3A-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)