

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: P367932

Luminaire Tested: **MSA-SA3C-727-U-SLR**

Issue Date: 12/2/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P367932  
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-SA3C-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: 13043 lumens  
Efficiency: N/A  
Efficacy: 78.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

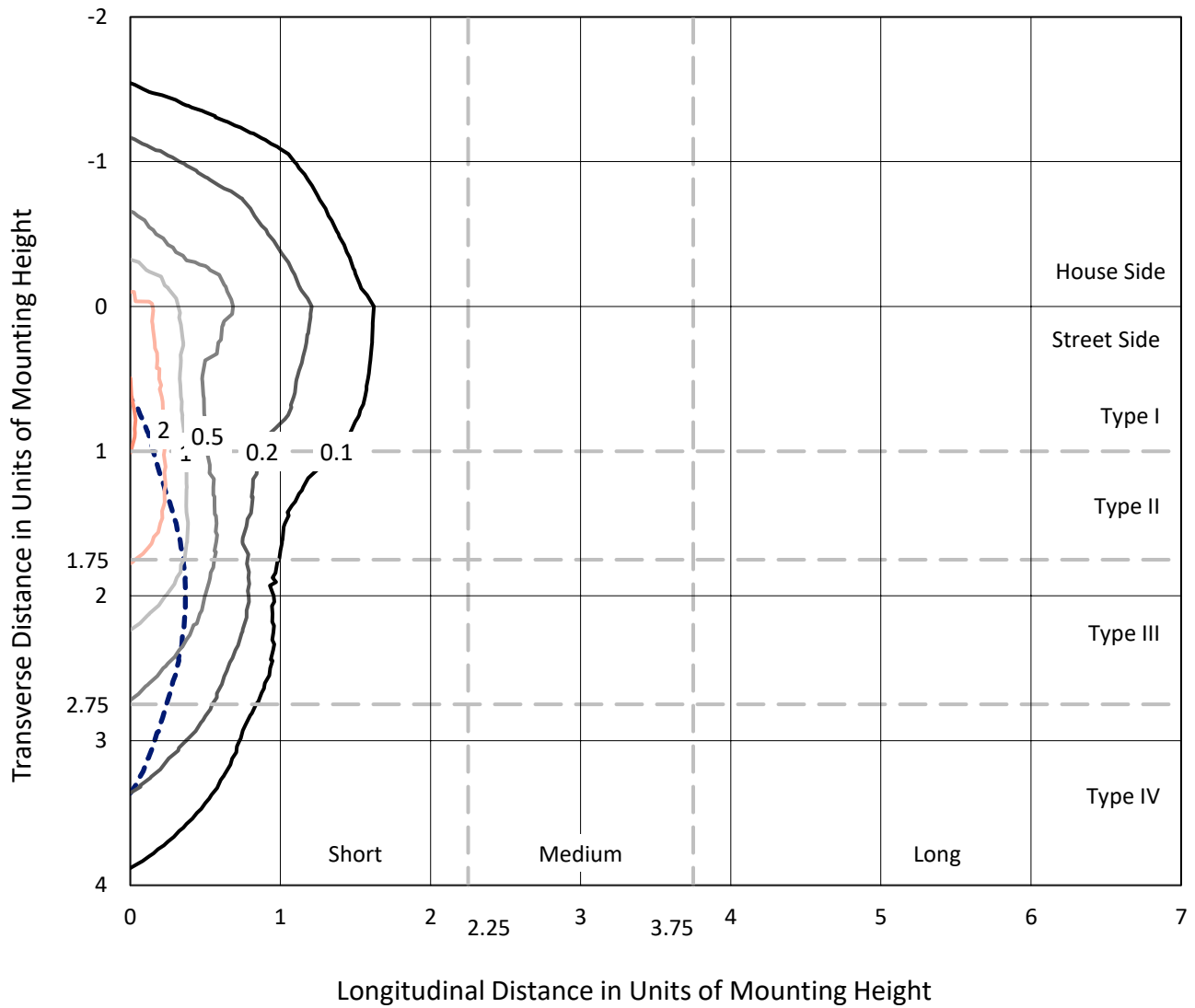
Input Watts (W): 166  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

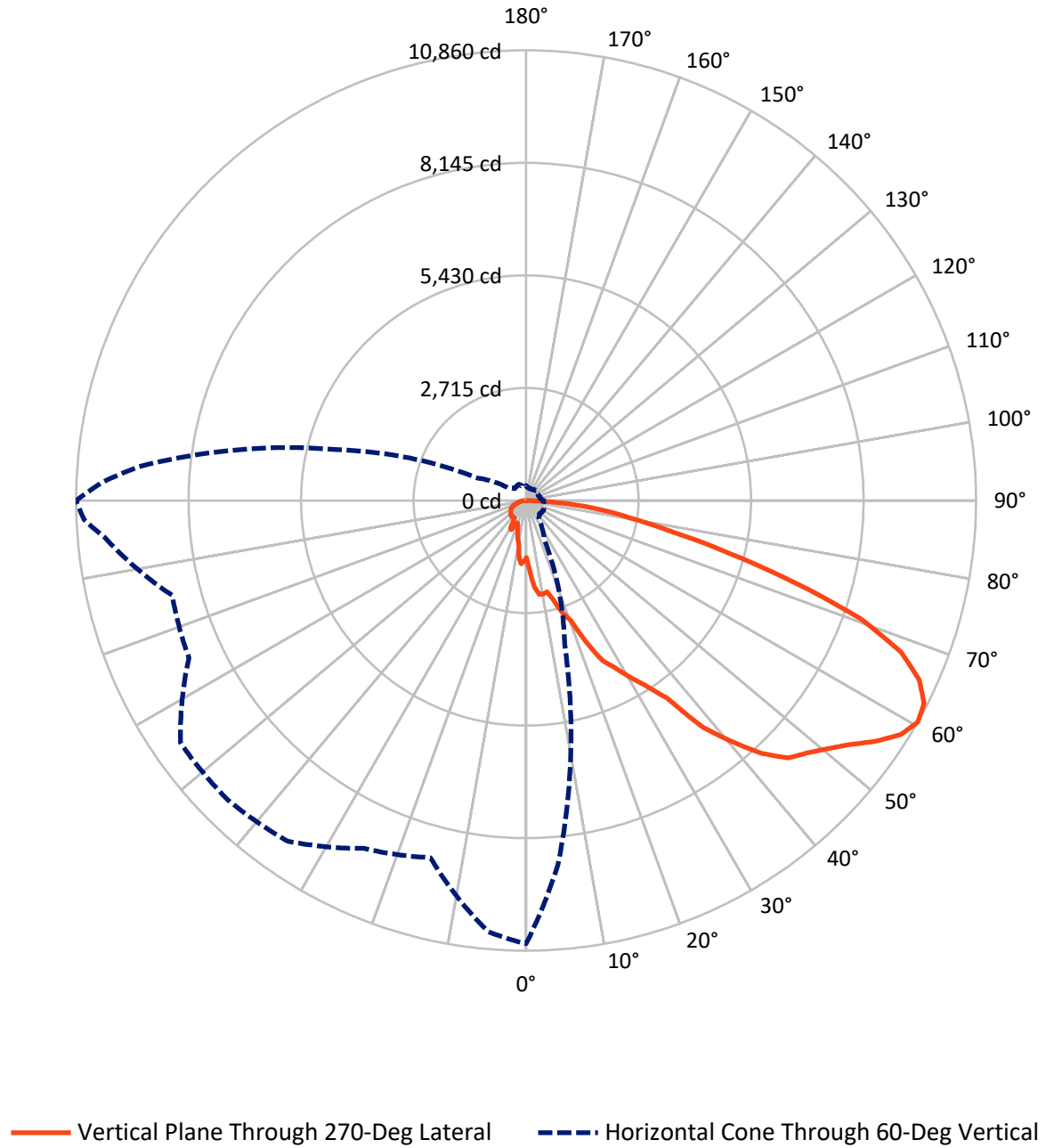
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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	2526.2	0.0	2526.2
	% Fixture	19.4	0.0	19.4
<b>Street Side</b>	Lumens	10516.8	0.0	10516.8
	% Fixture	80.6	0.0	80.6
<b>Total</b>	Lumens	13043.0	0.0	13043.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.7	1.2
10°-20°	458.3	3.5
20°-30°	809.0	6.2
30°-40°	1260.0	9.7
40°-50°	2074.5	15.9
50°-60°	2961.0	22.7
60°-70°	3139.7	24.1
70°-80°	1734.1	13.3
80°-90°	448.7	3.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	13043.0	100.0
0°-180°	13043.0	100.0

**Coefficient of Utilization**



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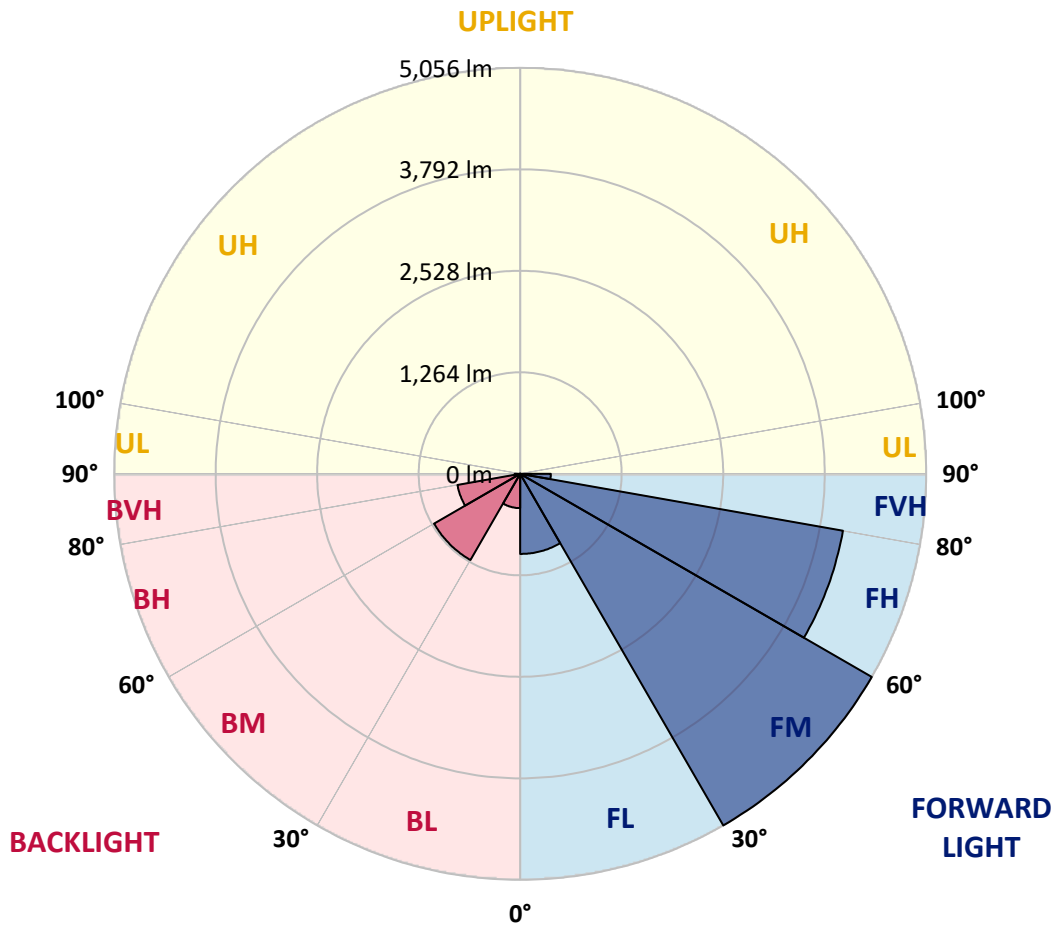
CATALOG NUMBER: MSA-SA3C-727-U-SLR

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	998.0	7.7			
FM (30°-60°)	5056.3	38.8			
FH (60°-80°)	4081.2	31.3			G2/5000
FVH (80°-90°)	381.3	2.9			G3/500
BL (0°-30°)	427.0	3.3	B1/500		
BM (30°-60°)	1239.2	9.5	B2/2500		
BH (60°-80°)	792.6	6.1	B2/1000		G2/1000
BVH (80°-90°)	67.3	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°	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7
2.5°	1842.3	1853.7	1864.4	1842.9	1821.4	1799.2	1777.7	1745.4	1712.5	1680.2	1647.3
5°	2212.6	2170.9	2128.4	2111.3	2094.9	2077.8	2060.7	2044.9	2029.0	2012.6	1996.8
7.5°	2328.5	2269.0	2208.8	2183.5	2158.2	2132.2	2106.9	2049.9	1993.0	1935.3	1878.4
10°	2201.2	2139.2	2076.5	2051.8	2026.5	2001.8	1976.5	1906.9	1837.8	1768.2	1698.6
12.5°	2303.8	2240.5	2176.6	2098.0	2019.5	1940.4	1861.9	1823.3	1784.7	1745.4	1706.8
15°	2402.6	2317.1	2231.0	2152.5	2074.0	1994.9	1916.4	1839.1	1761.9	1684.6	1607.4
17.5°	2763.4	2621.0	2478.5	2336.7	2194.3	2052.5	1910.0	1820.8	1730.9	1641.6	1551.7
20°	3203.4	3005.3	2806.5	2591.2	2375.3	2160.1	1944.2	1831.5	1719.5	1606.8	1494.1
22.5°	3727.0	3476.9	3226.8	2955.2	2683.7	2411.4	2139.8	1976.5	1813.2	1649.2	1485.9
25°	4142.9	3902.3	3661.8	3317.4	2973.0	2628.6	2284.2	2098.7	1913.2	1727.1	1541.6
27.5°	4546.8	4163.8	3780.2	3385.7	2992.0	2597.6	2203.1	2031.6	1860.0	1688.4	1516.9
30°	4888.1	4584.2	4280.3	3765.6	3250.9	2735.6	2220.9	2010.0	1799.2	1588.4	1377.6
32.5°	5387.6	4953.9	4519.6	3982.7	3445.9	2909.0	2372.2	2102.5	1832.8	1563.1	1293.4
35°	5971.9	5521.1	5070.4	4406.3	3742.8	3078.7	2414.6	2129.1	1842.9	1557.4	1271.2
37.5°	7061.4	6266.9	5471.8	4746.9	4022.0	3296.5	2571.6	2239.9	1908.1	1575.8	1244.0
40°	7662.2	6927.9	6193.5	5290.1	4386.7	3482.6	2579.2	2239.9	1899.9	1560.6	1220.6
42.5°	8463.1	7534.4	6605.0	5628.1	4651.9	3675.1	2698.2	2322.2	1946.1	1569.4	1193.4
45°	8951.2	7916.1	6880.4	5836.4	4792.5	3748.5	2704.5	2322.8	1941.0	1559.3	1177.5
47.5°	9265.9	8271.9	7277.3	6153.6	5029.9	3905.5	2781.8	2376.6	1970.8	1565.6	1159.8
50°	9564.0	8579.6	7594.5	6427.7	5261.6	4094.8	2928.0	2485.5	2043.0	1599.8	1157.3
52.5°	9930.0	9023.4	8116.2	6864.6	5612.3	4360.7	3108.5	2626.7	2144.9	1663.1	1181.3
55°	10462.4	9569.1	8675.2	7331.8	5987.7	4644.3	3300.3	2765.3	2231.0	1696.0	1161.1
57.5°	10807.4	9901.5	8995.5	7625.5	6255.5	4884.9	3514.9	2922.3	2329.8	1736.6	1144.0
60°	10692.8	9758.4	8823.3	7517.3	6211.2	4905.2	3599.1	2959.0	2319.6	1679.6	1039.5
62.5°	10186.4	9193.0	8199.7	7029.8	5860.5	4690.5	3520.6	2869.8	2219.6	1568.8	918.0
65°	9478.6	8451.7	7424.2	6368.8	5313.5	4258.1	3202.8	2612.1	2020.8	1430.1	838.8
67.5°	8610.0	7539.4	6468.2	5533.8	4599.4	3664.3	2729.9	2236.1	1742.9	1249.1	755.3
70°	7520.4	6468.2	5416.1	4607.6	3799.2	2990.7	2182.2	1810.6	1439.6	1068.0	696.4
72.5°	6044.7	5136.9	4229.0	3592.8	2956.5	2320.3	1684.0	1425.7	1168.0	909.7	651.4
75°	4299.3	3765.6	3231.9	2736.8	2241.8	1746.1	1251.0	1083.8	916.7	749.6	582.4
77.5°	3055.3	2740.6	2426.0	2037.9	1649.8	1261.7	873.7	775.5	678.0	579.9	481.8
80°	2258.9	1996.1	1733.4	1440.9	1148.4	855.9	563.4	515.3	467.9	419.7	371.6
82.5°	1487.1	1368.7	1249.7	1018.0	786.3	554.6	322.9	305.1	287.4	269.7	252.0
85°	666.0	703.4	740.1	598.3	455.8	314.0	171.6	163.3	155.1	146.9	138.6
87.5°	63.9	94.3	124.7	107.0	88.6	70.9	52.5	51.9	51.9	51.3	50.6
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°	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7
2.5°	1656.2	1665.0	1673.9	1682.7	1673.2	1663.8	1653.6	1644.1	1632.1	1620.1	1607.4
5°	1970.2	1942.9	1916.4	1889.1	1848.6	1808.1	1766.9	1726.4	1721.4	1715.7	1710.6
7.5°	1828.4	1779.0	1729.0	1678.9	1615.6	1553.0	1489.7	1426.3	1407.4	1388.4	1369.4
10°	1665.0	1630.8	1597.3	1563.1	1523.8	1484.6	1444.7	1405.5	1353.5	1301.0	1249.1
12.5°	1651.1	1595.4	1539.0	1483.3	1459.3	1435.2	1411.1	1387.1	1341.5	1295.9	1249.7
15°	1562.5	1516.9	1471.9	1426.3	1391.5	1356.7	1321.9	1287.1	1250.3	1213.0	1176.3
17.5°	1499.8	1447.9	1396.0	1344.0	1304.2	1264.3	1223.8	1183.9	1139.6	1094.6	1050.3
20°	1434.6	1375.7	1316.2	1256.7	1206.0	1156.0	1105.4	1054.7	1006.0	957.9	909.1
22.5°	1408.0	1330.1	1252.2	1174.4	1121.2	1067.4	1014.2	960.4	915.4	870.5	825.5
25°	1448.5	1356.1	1263.0	1169.9	1098.4	1026.2	954.7	882.5	845.2	807.8	769.8
27.5°	1401.0	1284.5	1168.7	1052.2	975.6	898.3	821.7	744.5	738.8	733.1	726.8
30°	1255.4	1133.2	1011.0	888.9	818.6	747.7	677.4	606.5	593.2	579.3	566.0
32.5°	1168.7	1044.0	919.2	794.5	731.8	668.5	605.9	542.6	527.4	512.2	497.0
35°	1135.8	1000.3	864.8	729.3	675.5	621.7	567.9	514.1	503.3	493.2	482.4
37.5°	1109.2	975.0	840.1	705.3	653.3	601.4	548.9	497.0	488.7	480.5	472.3
40°	1083.8	947.7	811.0	674.2	628.0	582.4	536.2	490.0	484.9	479.9	474.2
42.5°	1061.1	928.7	795.8	663.5	622.3	581.8	540.7	499.5	494.4	489.4	484.3
45°	1048.4	919.2	790.1	660.9	631.2	601.4	571.0	541.3	529.3	517.2	504.6
47.5°	1038.9	918.0	797.1	676.1	645.1	614.1	583.1	552.1	541.3	530.5	519.1
50°	1040.8	924.9	808.5	692.0	654.6	616.6	579.3	541.3	540.0	538.8	537.5
52.5°	1057.9	935.1	811.6	688.2	647.6	607.1	566.0	525.5	533.7	541.3	549.5
55°	1033.2	905.3	776.8	648.9	610.3	572.3	533.7	495.1	505.8	516.0	526.7
57.5°	1005.3	866.7	728.0	589.4	560.3	531.2	501.4	472.3	483.7	495.7	507.1
60°	912.9	786.3	659.7	533.1	513.4	493.8	474.2	454.6	459.6	464.7	469.8
62.5°	811.6	704.6	598.3	491.3	476.1	460.3	445.1	429.2	429.2	429.9	429.9
65°	747.0	655.2	563.4	471.6	454.6	437.5	419.7	402.6	400.1	397.6	395.0
67.5°	682.5	610.3	537.5	464.7	440.0	415.9	391.2	366.6	363.4	360.9	357.7
70°	631.8	567.2	502.7	438.1	410.2	383.0	355.2	327.3	324.8	322.9	320.3
72.5°	590.7	530.5	469.8	409.0	379.9	350.1	321.0	291.2	289.3	287.4	284.9
75°	528.6	475.4	421.6	367.8	339.3	311.5	283.0	254.5	252.0	250.1	247.5
77.5°	437.5	392.5	348.2	303.2	281.1	259.6	237.4	215.2	214.0	212.7	210.8
80°	336.8	302.0	266.5	231.7	217.1	202.0	187.4	172.2	171.6	170.9	169.7
82.5°	231.1	210.2	189.3	168.4	157.6	146.2	135.5	124.1	124.7	125.4	126.0
85°	131.7	124.1	117.1	109.5	100.7	92.4	83.6	74.7	76.6	78.5	79.8
87.5°	48.1	45.6	43.0	40.5	36.1	32.3	27.9	23.4	24.7	26.6	27.9
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: P367932  
 CATALOG NUMBER: MSA-SA3C-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: P367932

CATALOG NUMBER: MSA-SA3C-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7
2.5°	1595.4	1576.4	1557.4	1538.4	1519.4	1480.2	1441.5	1402.3	1363.0	1387.1	1411.8
5°	1704.9	1672.6	1639.7	1607.4	1574.5	1556.1	1537.8	1519.4	1501.0	1510.5	1520.7
7.5°	1350.4	1331.4	1311.8	1292.8	1273.1	1264.9	1257.3	1249.1	1240.8	1264.3	1287.7
10°	1196.5	1169.9	1143.4	1116.1	1089.5	1073.7	1057.9	1042.1	1026.2	1032.6	1038.9
12.5°	1204.1	1164.9	1125.6	1086.4	1047.1	1023.7	1000.3	976.9	953.4	959.1	964.8
15°	1138.9	1098.4	1057.9	1017.4	976.9	949.6	921.8	894.6	866.7	857.2	847.1
17.5°	1005.3	961.0	916.7	872.4	828.1	809.7	791.4	773.0	754.6	744.5	734.4
20°	860.4	819.2	778.1	736.9	695.8	683.1	670.4	657.1	644.5	638.2	631.2
22.5°	780.6	755.3	729.3	704.0	678.0	663.5	649.5	635.0	620.4	613.5	605.9
25°	732.5	737.5	743.2	748.3	753.4	747.0	740.1	733.7	726.8	729.3	731.2
27.5°	721.1	731.8	743.2	754.0	764.8	770.5	776.2	781.9	787.6	789.5	791.4
30°	552.1	557.7	562.8	568.5	573.6	589.4	605.2	620.4	636.3	660.9	686.3
32.5°	481.8	479.9	478.0	475.4	473.5	477.3	481.1	484.3	488.1	497.0	506.5
35°	471.6	467.2	462.2	457.7	452.7	454.6	456.5	458.4	460.3	467.2	474.2
37.5°	464.1	462.2	460.9	459.0	457.1	461.5	465.3	469.8	473.5	479.2	484.9
40°	469.1	468.5	467.9	466.6	466.0	468.5	471.0	473.5	476.1	483.7	491.3
42.5°	479.2	479.2	478.6	478.6	478.0	480.5	482.4	484.9	486.8	491.3	495.7
45°	492.5	491.3	490.6	489.4	488.1	487.5	487.5	486.8	486.2	488.7	491.9
47.5°	508.4	503.9	498.9	494.4	489.4	488.1	486.2	484.9	483.0	484.3	485.6
50°	536.2	524.2	512.8	500.8	488.7	485.6	482.4	479.2	476.1	475.4	475.4
52.5°	557.1	539.4	521.7	503.9	486.2	480.5	474.8	469.1	463.4	462.2	461.5
55°	536.9	523.6	510.9	497.6	484.3	476.1	467.2	459.0	450.1	448.2	446.3
57.5°	518.5	510.3	502.0	493.8	485.6	477.3	468.5	460.3	451.4	447.0	442.5
60°	474.8	474.8	475.4	475.4	475.4	466.6	457.7	448.9	440.0	435.6	431.8
62.5°	429.9	436.8	443.2	450.1	456.5	444.4	431.8	419.7	407.1	403.9	401.4
65°	392.5	394.4	396.9	398.8	400.7	391.2	381.8	372.3	362.8	360.9	358.3
67.5°	354.5	353.9	353.3	352.0	351.4	345.7	339.3	333.6	327.3	324.8	322.2
70°	317.8	317.2	316.5	315.3	314.6	309.6	304.5	299.4	294.4	292.5	290.6
72.5°	283.0	282.4	281.1	280.5	279.2	274.8	271.0	266.5	262.1	259.6	257.0
75°	245.0	243.7	242.5	241.2	239.9	236.1	232.3	227.9	224.1	221.6	219.0
77.5°	209.6	207.7	205.8	203.2	201.3	198.2	194.4	191.2	187.4	184.2	181.7
80°	169.0	167.8	166.5	164.6	163.3	160.2	157.0	153.2	150.0	146.2	143.1
82.5°	126.6	126.0	124.7	124.1	122.8	119.7	116.5	113.3	110.2	106.4	102.6
85°	81.7	81.0	80.4	79.8	79.1	76.6	74.7	72.2	69.6	65.8	62.7
87.5°	29.1	27.9	27.2	26.0	24.7	24.1	22.8	22.2	20.9	19.0	17.1
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: P367932  
 CATALOG NUMBER: MSA-SA3C-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: P367932

CATALOG NUMBER: MSA-SA3C-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7
2.5°	1435.8	1459.9	1460.5	1460.5	1471.9	1482.7	1460.5	1438.4	1415.6	1393.4	1371.3
5°	1530.2	1539.7	1537.1	1534.0	1520.0	1506.1	1491.6	1477.0	1462.4	1447.9	1448.5
7.5°	1311.1	1334.5	1353.5	1371.9	1354.2	1336.4	1326.9	1317.5	1308.0	1298.5	1297.2
10°	1044.6	1050.9	1058.5	1065.5	1054.7	1043.3	1062.3	1081.3	1099.7	1118.7	1097.8
12.5°	970.5	976.2	962.9	949.0	944.6	940.1	935.7	930.6	926.2	921.1	918.6
15°	837.6	827.4	817.3	806.6	804.0	800.9	797.7	793.9	790.7	786.9	775.5
17.5°	724.3	714.1	697.0	679.3	672.3	664.7	662.8	660.9	658.4	656.5	645.7
20°	624.9	617.9	613.5	608.4	601.4	594.5	587.5	580.5	572.9	566.0	555.8
22.5°	598.9	591.3	585.6	579.3	578.0	576.7	564.1	550.8	538.1	524.8	519.1
25°	733.7	735.6	700.8	665.4	662.2	659.0	636.3	612.8	590.0	566.6	547.0
27.5°	792.6	794.5	793.3	792.0	781.9	771.1	732.5	693.2	654.6	615.4	587.5
30°	711.0	735.6	745.1	754.6	747.7	740.1	699.6	659.7	619.2	578.6	560.3
32.5°	515.3	524.2	540.0	555.2	563.4	571.0	558.4	545.7	533.1	520.4	517.2
35°	480.5	487.5	490.6	493.8	488.7	483.7	474.2	464.7	454.6	445.1	443.2
37.5°	490.0	495.7	502.0	508.4	494.4	479.9	469.1	459.0	448.2	437.5	428.6
40°	498.9	506.5	510.3	514.1	500.1	486.2	472.9	460.3	447.0	433.7	424.8
42.5°	500.1	504.6	511.5	518.5	498.9	478.6	466.6	453.9	441.9	429.2	420.4
45°	494.4	497.0	503.3	509.6	486.8	463.4	452.7	441.3	430.5	419.1	411.5
47.5°	486.2	487.5	492.5	497.0	472.9	448.2	438.1	428.0	417.2	407.1	399.5
50°	474.8	474.2	478.0	481.1	456.5	431.8	421.6	412.1	402.0	391.9	385.5
52.5°	460.3	459.0	462.8	466.0	440.0	414.0	405.2	396.9	388.1	379.2	374.2
55°	443.8	441.9	445.1	448.2	422.9	396.9	389.3	381.1	373.5	365.3	360.9
57.5°	437.5	433.0	434.9	436.8	408.3	379.9	372.3	364.7	357.1	349.5	346.3
60°	427.3	422.9	424.8	426.1	395.7	364.7	357.7	350.1	343.1	335.5	332.4
62.5°	398.2	395.0	397.6	400.1	372.9	345.0	338.7	333.0	326.7	320.3	315.9
65°	356.4	353.9	359.0	364.0	340.6	317.2	313.4	309.6	305.1	301.3	296.9
67.5°	319.7	317.2	322.2	327.3	310.2	293.1	289.3	285.5	281.7	277.9	275.4
70°	288.7	286.8	291.2	295.7	281.1	266.5	262.7	259.6	255.8	252.0	250.1
72.5°	253.9	251.3	257.0	262.1	250.1	237.4	234.2	230.4	227.3	223.5	222.2
75°	216.5	214.0	219.0	223.5	215.2	206.4	203.2	200.1	196.9	193.7	193.1
77.5°	178.5	175.4	180.4	184.9	179.8	174.1	171.6	168.4	165.9	162.7	162.7
80°	139.3	135.5	139.3	142.4	140.5	138.6	136.7	134.2	132.3	129.8	130.4
82.5°	98.8	95.0	96.9	98.8	100.0	101.3	101.3	101.3	101.3	101.3	101.3
85°	58.9	55.1	55.7	56.3	58.2	60.1	60.8	61.4	62.0	62.7	63.3
87.5°	15.2	13.3	12.0	10.1	12.0	13.3	14.6	15.2	16.5	17.1	17.1
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: P367932  
 CATALOG NUMBER: MSA-SA3C-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: P367932

CATALOG NUMBER: MSA-SA3C-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7
2.5°	1349.1	1326.3	1304.2	1318.1	1331.4	1345.3	1358.6	1359.2	1359.2	1359.9	1359.9
5°	1449.8	1450.4	1451.0	1437.7	1425.1	1411.8	1398.5	1391.5	1384.6	1377.0	1370.0
7.5°	1295.3	1294.0	1292.1	1279.5	1266.8	1254.1	1241.5	1211.1	1180.1	1149.7	1118.7
10°	1076.2	1055.4	1033.8	1028.8	1024.3	1019.3	1014.2	1006.0	998.4	990.1	981.9
12.5°	916.1	913.5	911.0	897.7	884.4	870.5	857.2	857.2	857.2	857.2	857.2
15°	763.5	752.1	740.1	733.7	726.8	720.5	713.5	710.3	707.2	704.0	700.8
17.5°	634.4	623.6	612.2	610.9	609.7	608.4	607.1	604.0	600.8	597.6	594.5
20°	545.7	535.6	525.5	529.3	533.1	536.2	540.0	536.9	533.7	529.9	526.7
22.5°	512.8	507.1	500.8	497.6	494.4	490.6	487.5	487.5	488.1	488.1	488.1
25°	528.0	508.4	488.7	479.2	469.8	459.6	450.1	446.3	443.2	439.4	435.6
27.5°	559.6	531.2	503.3	486.8	470.4	453.9	437.5	430.5	422.9	415.9	408.3
30°	541.3	522.9	503.9	484.9	466.0	447.0	428.0	419.1	410.2	400.7	391.9
32.5°	514.1	510.3	507.1	489.4	471.6	453.3	435.6	431.8	428.6	424.8	421.0
35°	440.6	438.7	436.2	431.8	427.3	422.9	418.5	413.4	408.3	403.3	398.2
37.5°	420.4	411.5	402.6	400.7	398.8	396.9	395.0	393.1	391.2	388.7	386.8
40°	415.9	407.1	398.2	395.0	391.9	388.1	384.9	385.5	386.8	387.4	388.1
42.5°	410.9	402.0	392.5	390.0	387.4	384.9	382.4	383.0	384.3	384.9	385.5
45°	404.5	396.9	389.3	384.9	381.1	376.7	372.3	376.1	379.9	383.0	386.8
47.5°	391.9	383.7	376.1	373.5	371.0	367.8	365.3	369.1	372.9	376.1	379.9
50°	378.6	372.3	365.3	364.7	364.0	362.8	362.1	364.7	367.2	369.7	372.3
52.5°	368.5	363.4	357.7	357.7	357.1	357.1	356.4	359.0	361.5	363.4	365.9
55°	357.1	352.6	348.2	348.8	350.1	350.7	351.4	353.9	357.1	359.6	362.1
57.5°	342.5	339.3	335.5	338.1	340.0	342.5	344.4	346.3	348.8	350.7	352.6
60°	328.6	325.4	321.6	324.1	327.3	329.8	332.4	334.3	336.2	338.1	340.0
62.5°	311.5	306.4	302.0	305.8	308.9	312.7	315.9	317.2	319.1	320.3	321.6
65°	293.1	288.7	284.3	286.8	289.3	291.2	293.8	295.7	297.6	299.4	301.3
67.5°	272.2	269.7	266.5	268.4	270.3	272.2	274.1	274.8	274.8	275.4	275.4
70°	247.5	245.6	243.1	244.4	246.3	247.5	248.8	248.8	248.8	248.2	248.2
72.5°	221.6	220.3	219.0	219.7	220.9	221.6	222.2	221.6	220.9	220.3	219.7
75°	192.5	191.8	191.2	191.8	193.1	193.7	194.4	193.7	192.5	191.8	190.6
77.5°	163.3	163.3	163.3	163.3	164.0	164.0	164.0	162.7	161.4	160.2	158.9
80°	131.0	131.7	132.3	132.3	132.3	132.3	132.3	131.0	129.8	127.9	126.6
82.5°	101.3	101.3	101.3	101.3	101.9	101.9	101.9	98.8	96.2	93.1	89.9
85°	63.3	63.9	63.9	64.6	65.2	65.2	65.8	61.4	57.6	53.2	48.7
87.5°	17.1	17.1	17.1	17.1	17.1	16.5	16.5	12.7	8.2	4.4	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367932  
 CATALOG NUMBER: MSA-SA3C-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: P367932  
 CATALOG NUMBER: MSA-SA3C-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7
2.5°	1363.7	1367.5	1370.6	1374.4	1375.1	1375.7	1375.7	1376.3	1363.0	1349.7	1335.8
5°	1379.5	1388.4	1397.9	1406.7	1404.8	1402.9	1401.0	1399.1	1395.3	1392.2	1388.4
7.5°	1111.7	1105.4	1098.4	1091.4	1097.1	1102.8	1108.5	1114.2	1116.8	1119.3	1121.2
10°	966.1	950.3	934.4	918.6	909.7	900.2	891.4	881.9	880.6	880.0	878.7
12.5°	840.7	823.6	807.2	790.1	785.0	779.3	774.3	768.6	773.6	778.7	783.1
15°	693.9	687.5	680.6	673.6	679.3	685.0	690.7	696.4	701.5	705.9	711.0
17.5°	591.3	588.8	585.6	582.4	587.5	593.2	598.3	603.3	614.7	626.1	637.5
20°	524.2	522.3	519.8	517.2	515.3	512.8	510.9	508.4	524.8	540.7	557.1
22.5°	484.3	480.5	476.7	472.9	473.5	474.2	474.2	474.8	488.1	502.0	515.3
25°	434.3	433.0	431.8	430.5	434.3	438.1	441.3	445.1	457.1	469.1	480.5
27.5°	409.0	409.6	410.2	410.9	415.9	421.6	426.7	431.8	440.0	448.2	456.5
30°	395.0	398.8	402.0	405.2	407.1	409.0	410.9	412.8	421.0	428.6	436.8
32.5°	415.9	410.9	405.2	400.1	402.6	405.8	408.3	410.9	418.5	426.1	433.7
35°	396.3	393.8	391.9	389.3	392.5	395.7	398.2	401.4	408.3	414.7	421.6
37.5°	386.2	385.5	384.9	384.3	386.2	388.1	389.3	391.2	397.6	403.9	409.6
40°	385.5	382.4	379.9	376.7	378.6	380.5	381.8	383.7	391.2	398.8	406.4
42.5°	381.8	378.0	373.5	369.7	371.6	374.2	376.1	378.0	386.2	393.8	402.0
45°	381.1	375.4	369.1	363.4	365.9	368.5	371.0	373.5	379.9	386.2	391.9
47.5°	374.2	368.5	362.8	357.1	358.3	359.6	360.2	361.5	367.2	372.3	378.0
50°	368.5	364.0	360.2	355.8	353.9	352.6	350.7	348.8	353.3	357.7	362.1
52.5°	361.5	357.1	352.0	347.6	345.0	342.5	340.0	337.4	341.2	344.4	348.2
55°	357.1	351.4	346.3	340.6	337.4	334.3	331.1	327.9	330.5	332.4	334.9
57.5°	347.6	342.5	336.8	331.7	327.9	324.1	319.7	315.9	317.2	318.4	319.7
60°	334.9	329.2	324.1	318.4	314.0	309.6	304.5	300.1	300.7	302.0	302.6
62.5°	316.5	311.5	305.8	300.7	295.7	291.2	286.2	281.1	282.4	283.0	284.3
65°	296.3	290.6	285.5	279.8	275.4	271.0	265.9	261.5	262.7	264.0	264.6
67.5°	271.6	267.2	263.4	258.9	255.1	250.7	246.9	242.5	243.1	243.7	244.4
70°	245.0	241.2	238.0	234.2	231.1	227.9	224.7	221.6	221.6	222.2	222.2
72.5°	216.5	213.4	210.2	207.0	203.9	201.3	198.2	195.0	196.3	197.5	198.2
75°	187.4	184.9	181.7	178.5	176.0	173.5	170.3	167.8	169.0	170.3	170.9
77.5°	157.0	155.1	152.6	150.7	148.1	145.6	142.4	139.9	141.2	142.4	143.1
80°	125.4	124.1	122.2	120.9	118.4	115.9	113.3	110.8	111.4	111.4	112.1
82.5°	90.5	91.2	91.2	91.8	89.9	87.4	85.5	82.9	82.9	82.9	82.3
85°	50.6	53.2	55.1	57.0	55.1	53.2	51.3	49.4	48.7	48.7	48.1
87.5°	1.9	3.2	5.1	6.3	5.7	5.1	3.8	3.2	3.8	4.4	4.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367932  
 CATALOG NUMBER: MSA-SA3C-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: P367932

CATALOG NUMBER: MSA-SA3C-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7
2.5°	1322.5	1333.3	1344.0	1354.8	1365.6	1382.0	1398.5	1415.6	1432.7	1423.2	1413.0
5°	1384.6	1390.9	1397.9	1404.2	1410.5	1428.9	1446.6	1468.8	1490.3	1487.8	1484.6
7.5°	1123.7	1132.6	1141.5	1149.7	1158.5	1186.4	1214.3	1237.7	1261.1	1257.9	1254.1
10°	877.5	895.8	914.8	933.2	951.5	974.3	996.5	1016.1	1035.7	1068.6	1100.9
12.5°	788.2	816.7	845.2	873.7	902.1	918.6	934.4	959.8	985.1	1002.8	1021.2
15°	715.4	742.0	768.6	795.2	821.7	823.0	824.3	850.9	877.5	892.7	907.2
17.5°	648.9	663.5	678.0	692.0	706.5	701.5	696.4	709.1	721.1	727.4	734.4
20°	572.9	583.1	593.2	603.3	613.5	620.4	626.8	634.4	641.3	635.0	628.0
22.5°	528.6	543.8	559.6	574.8	590.0	594.5	598.3	593.8	589.4	587.5	585.6
25°	492.5	510.9	529.9	548.3	566.6	575.5	584.3	588.1	591.3	584.3	577.4
27.5°	464.7	486.8	508.4	530.5	552.1	567.9	583.7	588.1	591.9	586.9	581.2
30°	444.4	468.5	492.5	516.6	540.7	564.7	588.1	609.0	629.3	627.4	625.5
32.5°	441.3	457.7	474.2	490.6	507.1	522.3	536.9	538.1	538.8	533.7	528.0
35°	428.0	438.7	449.5	460.3	471.0	480.5	489.4	488.1	486.8	481.8	476.7
37.5°	415.9	426.7	438.1	448.9	459.6	476.1	491.9	488.7	484.9	479.9	474.8
40°	414.0	426.1	438.1	449.5	461.5	476.7	491.9	488.7	485.6	479.2	472.9
42.5°	409.6	421.6	433.0	445.1	456.5	474.8	492.5	486.8	480.5	475.4	470.4
45°	398.2	409.0	419.7	430.5	441.3	460.9	480.5	473.5	466.6	464.7	462.2
47.5°	383.0	393.8	404.5	415.3	426.1	445.7	464.7	459.0	452.7	452.0	450.8
50°	366.6	376.7	387.4	397.6	407.7	427.3	446.3	441.3	436.2	436.8	436.8
52.5°	351.4	360.9	369.7	379.2	388.1	407.7	426.7	422.9	418.5	419.7	420.4
55°	336.8	344.4	352.0	359.6	367.2	386.2	405.2	399.5	393.8	395.7	397.6
57.5°	321.0	327.3	333.6	339.3	345.7	364.7	383.0	376.7	369.7	372.9	375.4
60°	303.2	308.9	314.6	319.7	325.4	342.5	359.0	353.3	346.9	351.4	355.2
62.5°	284.9	289.3	293.8	298.2	302.6	318.4	334.3	329.8	325.4	330.5	334.9
65°	265.9	269.1	272.9	276.0	279.2	294.4	308.9	305.8	302.6	307.0	311.5
67.5°	245.0	247.5	250.7	253.2	255.8	269.7	283.6	280.5	276.7	280.5	283.6
70°	222.2	224.7	226.6	229.2	231.1	243.7	256.4	252.0	246.9	250.7	253.9
72.5°	199.4	200.7	202.6	203.9	205.1	214.6	224.1	220.3	216.5	220.3	223.5
75°	172.2	173.5	174.7	176.0	177.3	185.5	193.1	188.7	183.6	187.4	191.2
77.5°	144.3	145.0	146.2	146.9	147.5	153.2	158.3	153.8	148.8	153.2	157.6
80°	112.1	112.7	113.3	113.3	114.0	115.9	117.8	114.6	110.8	116.5	122.2
82.5°	82.3	81.7	81.7	81.0	80.4	80.4	79.8	77.9	75.3	80.4	85.5
85°	47.5	46.8	45.6	44.9	43.7	41.8	39.9	39.3	38.6	43.0	47.5
87.5°	5.1	4.4	3.2	2.5	1.3	0.6	0.0	0.0	0.0	2.5	5.7
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: P367932  
 CATALOG NUMBER: MSA-SA3C-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: P367932

CATALOG NUMBER: MSA-SA3C-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7
2.5°	1403.6	1393.4	1383.9	1374.4	1364.9	1355.4	1373.2	1390.9	1408.6	1426.3	1442.2
5°	1482.1	1478.9	1470.7	1463.1	1454.8	1446.6	1451.0	1456.1	1460.5	1465.0	1474.5
7.5°	1251.0	1247.2	1264.9	1282.0	1299.7	1316.8	1321.3	1325.0	1329.5	1333.3	1330.7
10°	1133.9	1166.1	1174.4	1182.0	1190.2	1197.8	1210.5	1223.1	1235.2	1247.8	1254.8
12.5°	1038.9	1056.6	1085.7	1115.5	1144.6	1173.7	1192.7	1211.7	1230.7	1249.7	1289.0
15°	922.4	937.0	959.1	981.3	1003.4	1025.6	1052.8	1080.7	1107.9	1135.1	1178.2
17.5°	740.7	747.0	763.5	780.0	795.8	812.2	849.0	885.1	921.8	957.9	1007.2
20°	621.7	614.7	614.7	615.4	615.4	615.4	652.1	688.2	724.9	761.0	826.2
22.5°	583.1	581.2	574.2	566.6	559.6	552.1	571.0	590.7	609.7	628.7	681.8
25°	569.8	562.8	554.0	545.1	536.2	527.4	539.4	551.4	563.4	575.5	617.3
27.5°	576.1	570.4	574.8	578.6	583.1	586.9	590.7	594.5	598.3	602.1	616.6
30°	623.6	621.7	628.7	635.0	641.9	648.3	639.4	631.2	622.3	613.5	618.5
32.5°	522.9	517.2	514.7	512.2	509.6	507.1	506.5	505.8	504.6	503.9	515.3
35°	471.6	466.6	462.8	459.0	454.6	450.8	452.7	453.9	455.8	457.1	469.8
37.5°	469.8	464.7	460.3	455.8	450.8	446.3	448.2	450.8	452.7	454.6	464.1
40°	466.6	460.3	457.7	455.2	452.7	450.1	451.4	452.7	453.3	454.6	461.5
42.5°	464.7	459.6	458.4	457.1	455.8	454.6	455.8	457.1	457.7	459.0	467.2
45°	460.3	457.7	459.0	460.3	461.5	462.8	462.8	462.8	462.8	462.8	471.6
47.5°	450.1	448.9	452.7	456.5	460.3	464.1	470.4	476.7	482.4	488.7	490.6
50°	437.5	437.5	443.8	450.1	455.8	462.2	477.3	491.9	507.1	521.7	512.2
52.5°	421.6	422.3	431.8	440.6	450.1	459.0	472.9	486.8	500.1	514.1	500.1
55°	398.8	400.7	412.8	424.2	436.2	447.6	458.4	469.1	479.9	490.6	476.1
57.5°	378.6	381.1	393.8	405.8	418.5	430.5	436.8	443.8	450.1	456.5	447.0
60°	359.6	363.4	379.9	396.3	412.1	428.6	423.5	418.5	412.8	407.7	407.1
62.5°	340.0	344.4	359.6	374.8	389.3	404.5	396.9	389.3	381.1	373.5	376.7
65°	315.3	319.7	326.7	333.6	340.0	346.9	346.3	346.3	345.7	345.0	351.4
67.5°	287.4	290.6	295.0	298.8	303.2	307.0	309.6	312.7	315.3	317.8	325.4
70°	257.7	260.8	265.3	269.1	273.5	277.3	280.5	283.6	286.2	289.3	296.9
72.5°	227.3	230.4	234.9	239.3	243.1	247.5	250.1	252.6	254.5	257.0	263.4
75°	195.0	198.8	203.2	207.0	211.5	215.2	217.1	219.0	220.9	222.8	228.5
77.5°	162.1	166.5	170.9	175.4	179.8	184.2	184.9	185.5	186.1	186.8	191.8
80°	127.3	132.9	137.4	141.8	146.2	150.7	150.7	150.7	150.7	150.7	153.2
82.5°	90.5	95.6	100.7	105.1	110.2	114.6	114.6	114.0	114.0	113.3	113.3
85°	51.9	56.3	59.5	63.3	66.5	69.6	69.6	69.6	69.0	69.0	67.7
87.5°	8.2	10.8	12.0	13.9	15.2	16.5	15.8	15.8	15.2	14.6	12.7
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: P367932  
 CATALOG NUMBER: MSA-SA3C-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: P367932

CATALOG NUMBER: MSA-SA3C-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7
2.5°	1458.0	1473.8	1489.7	1487.1	1484.6	1482.1	1479.5	1489.0	1497.9	1507.4	1516.2
5°	1483.3	1492.8	1501.7	1508.6	1515.6	1522.6	1529.5	1561.8	1593.5	1625.8	1657.4
7.5°	1328.2	1325.0	1322.5	1352.3	1382.7	1412.4	1442.2	1483.3	1524.5	1565.6	1606.8
10°	1261.7	1268.7	1275.7	1287.7	1300.4	1312.4	1324.4	1364.9	1405.5	1446.0	1486.5
12.5°	1327.6	1366.8	1405.5	1414.9	1425.1	1434.6	1444.1	1452.3	1460.5	1468.1	1476.4
15°	1221.2	1264.3	1307.3	1332.0	1356.7	1380.8	1405.5	1467.5	1528.9	1590.9	1652.4
17.5°	1056.0	1105.4	1154.1	1214.9	1275.7	1336.4	1397.2	1454.2	1511.2	1567.5	1624.5
20°	891.4	956.0	1021.2	1087.6	1153.5	1220.0	1285.8	1341.5	1397.2	1452.3	1508.0
22.5°	734.4	787.6	840.1	921.1	1001.5	1082.6	1163.0	1266.8	1370.0	1473.8	1577.0
25°	658.4	700.2	741.3	824.9	908.5	991.4	1075.0	1209.8	1344.0	1478.9	1613.1
27.5°	631.8	646.4	660.9	736.9	812.2	888.2	963.6	1109.2	1254.8	1399.8	1545.4
30°	623.6	628.7	633.7	693.2	752.7	812.2	871.8	1015.5	1159.8	1303.5	1447.2
32.5°	526.1	537.5	548.3	606.5	664.1	722.4	780.0	924.9	1069.3	1214.3	1358.6
35°	482.4	495.1	507.7	564.7	621.7	678.0	735.0	887.6	1040.8	1193.4	1345.9
37.5°	473.5	483.0	492.5	557.1	621.7	686.3	750.8	905.3	1059.8	1214.3	1368.7
40°	469.1	476.1	483.0	545.7	609.0	671.7	734.4	896.5	1057.9	1220.0	1381.4
42.5°	474.8	483.0	490.6	547.6	604.0	660.9	717.3	885.1	1052.2	1220.0	1387.1
45°	479.9	488.7	497.0	550.2	603.3	656.5	709.7	888.9	1067.4	1246.5	1425.1
47.5°	491.9	493.8	495.1	541.3	586.9	633.1	678.7	861.0	1043.3	1225.0	1407.4
50°	502.0	492.5	482.4	530.5	578.0	626.1	673.6	846.4	1019.3	1191.5	1364.3
52.5°	486.2	471.6	457.7	509.6	561.5	612.8	664.7	837.6	1011.0	1183.9	1356.7
55°	462.2	447.6	433.0	485.6	538.1	590.7	643.2	815.4	988.2	1160.4	1332.6
57.5°	438.1	428.6	419.1	462.2	505.8	548.9	591.9	778.7	964.8	1151.6	1337.7
60°	406.4	405.2	404.5	438.1	472.3	505.8	539.4	722.4	904.7	1087.6	1270.0
62.5°	379.2	382.4	384.9	412.1	439.4	466.0	493.2	669.8	847.1	1023.7	1200.3
65°	358.3	364.7	371.0	402.0	433.0	463.4	494.4	642.6	790.7	938.9	1087.0
67.5°	333.0	340.6	348.2	388.7	429.2	469.8	510.3	632.5	754.6	876.8	999.0
70°	303.9	311.5	318.4	370.4	421.6	473.5	524.8	633.1	742.0	850.2	958.5
72.5°	269.7	276.0	282.4	338.1	393.8	449.5	505.2	597.0	688.8	780.0	871.8
75°	234.9	240.6	246.3	294.4	342.5	390.6	438.7	509.6	579.9	650.8	721.1
77.5°	196.3	201.3	205.8	238.0	270.3	302.6	334.9	389.3	443.2	497.6	551.4
80°	155.7	158.3	160.8	179.8	198.2	217.1	235.5	271.6	307.7	343.1	379.2
82.5°	114.0	114.0	114.0	126.0	138.6	150.7	162.7	181.1	198.8	217.1	234.9
85°	66.5	64.6	63.3	71.5	79.8	88.0	96.2	103.8	111.4	119.0	126.6
87.5°	10.8	8.2	6.3	11.4	16.5	21.5	26.6	29.1	32.3	34.8	37.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367932  
 CATALOG NUMBER: MSA-SA3C-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: P367932

CATALOG NUMBER: MSA-SA3C-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7
2.5°	1494.7	1473.8	1452.3	1430.8	1462.4	1494.1	1525.7	1557.4	1641.6	1691.6	1694.8
5°	1684.0	1710.6	1737.2	1763.8	1790.4	1817.0	1842.9	1869.5	2006.3	2090.5	2106.3
7.5°	1650.5	1694.8	1738.5	1782.1	1857.5	1932.8	2008.1	2083.5	2199.3	2282.9	2338.0
10°	1540.9	1595.4	1649.8	1704.3	1793.5	1883.4	1972.7	2062.0	2184.8	2294.9	2347.5
12.5°	1563.1	1649.8	1735.9	1822.7	1899.9	1977.8	2055.0	2132.2	2217.1	2258.9	2354.4
15°	1712.5	1772.6	1832.8	1892.9	2009.4	2125.3	2241.8	2357.6	2405.7	2501.3	2587.4
17.5°	1735.3	1845.4	1956.2	2066.4	2208.8	2351.3	2493.7	2636.2	2725.4	2848.9	2952.7
20°	1664.4	1820.1	1976.5	2132.2	2315.8	2500.1	2683.7	2867.2	2980.6	3084.4	3245.2
22.5°	1749.2	1921.4	2093.0	2265.2	2508.9	2752.0	2995.8	3238.9	3475.6	3707.4	3816.2
25°	1842.9	2073.4	2303.2	2533.0	2837.5	3141.4	3445.9	3749.8	4054.3	4271.4	4396.8
27.5°	1777.1	2008.1	2239.9	2470.9	2847.6	3224.9	3601.6	3978.3	4304.4	4565.8	4673.4
30°	1730.9	2014.5	2298.1	2581.7	3023.6	3465.5	3907.4	4349.3	4650.7	4942.5	5100.8
32.5°	1722.6	2086.7	2450.0	2814.1	3328.8	3842.8	4357.5	4871.6	5071.7	5330.6	5543.9
35°	1745.4	2145.5	2545.0	2944.5	3534.5	4124.6	4714.0	5304.0	5588.3	5844.7	6031.4
37.5°	1815.1	2261.4	2707.1	3153.4	3864.4	4575.9	5286.9	5997.9	6474.6	6943.7	7027.3
40°	1854.3	2327.9	2800.8	3273.7	4100.5	4927.3	5754.1	6580.9	7129.2	7643.9	7678.7
42.5°	1900.5	2414.0	2926.8	3440.2	4356.9	5274.2	6191.0	7107.7	7786.3	8339.6	8356.1
45°	1953.7	2481.7	3010.3	3538.3	4495.5	5452.1	6409.4	7366.0	8186.4	8858.8	8694.8
47.5°	1974.6	2542.5	3109.7	3677.0	4697.5	5717.4	6737.9	7757.8	8494.1	9105.7	8948.7
50°	1982.8	2602.0	3220.5	3839.0	4896.3	5954.2	7011.4	8068.7	8817.6	9414.0	9173.4
52.5°	2034.1	2711.5	3388.9	4066.3	5167.9	6269.5	7371.0	8472.6	9209.5	9782.4	9483.6
55°	2103.1	2873.6	3643.4	4413.9	5554.1	6693.6	7833.8	8973.4	9712.8	10245.9	9875.5
57.5°	2167.1	2997.0	3826.4	4655.7	5837.1	7019.0	8200.4	9381.7	10130.6	10658.0	10299.0
60°	2136.0	3002.1	3868.2	4734.2	5895.3	7055.7	8216.8	9377.3	10227.5	10860.0	10676.4
62.5°	2042.3	2884.3	3725.7	4567.7	5669.9	6771.5	7873.7	8975.3	9970.5	10781.5	10773.2
65°	1861.9	2636.8	3411.1	4186.0	5205.9	6226.4	7246.3	8266.2	9439.3	10424.4	10488.3
67.5°	1642.2	2285.4	2928.7	3571.9	4532.3	5492.7	6453.0	7413.4	8667.6	9754.6	9809.7
70°	1429.5	1901.2	2372.2	2843.2	3686.5	4529.7	5372.4	6215.6	7482.4	8582.1	8632.8
72.5°	1180.1	1488.4	1796.1	2104.4	2787.5	3470.6	4153.0	4836.1	5948.5	6794.3	7079.8
75°	904.0	1087.0	1270.0	1452.9	2005.6	2558.3	3110.4	3663.0	4402.5	5026.7	5348.3
77.5°	646.4	741.3	836.3	931.3	1401.0	1870.8	2339.9	2809.6	3198.4	3552.2	3769.4
80°	424.2	468.5	513.4	557.7	948.4	1339.0	1729.0	2119.6	2356.3	2546.3	2655.8
82.5°	257.0	279.2	300.7	322.9	639.4	956.0	1271.9	1588.4	1723.9	1814.4	1911.9
85°	138.6	150.7	162.7	174.7	378.0	580.5	783.8	986.3	999.6	1010.4	1155.4
87.5°	40.5	44.3	47.5	50.6	83.6	117.1	150.0	183.0	114.0	70.9	145.6
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: P367932  
 CATALOG NUMBER: MSA-SA3C-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: P367932

CATALOG NUMBER: MSA-SA3C-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7
2.5°	1676.4	1668.2	1660.0	1651.1	1642.9	1608.0	1573.9	1539.0	1504.2	1537.8	1570.7
5°	2087.9	2113.2	2137.9	2163.3	2188.6	2190.5	2191.7	2193.6	2194.9	2201.2	2207.6
7.5°	2384.2	2429.2	2473.5	2518.4	2563.4	2598.2	2633.0	2668.5	2703.3	2671.6	2640.0
10°	2409.5	2504.5	2599.5	2694.4	2789.4	2806.5	2822.9	2840.0	2857.1	2879.9	2902.1
12.5°	2434.8	2550.7	2665.9	2781.8	2897.6	2948.3	2998.3	3048.9	3099.0	3123.6	3147.7
15°	2702.6	2771.0	2838.8	2907.1	2974.9	3009.7	3043.9	3078.7	3113.5	3134.4	3154.7
17.5°	3047.0	3072.4	3097.1	3122.4	3147.7	3171.1	3194.6	3218.0	3241.4	3245.2	3249.0
20°	3361.1	3366.1	3370.6	3375.6	3380.0	3330.7	3281.9	3232.5	3183.2	3192.0	3200.3
22.5°	3832.1	3804.2	3777.0	3749.1	3721.9	3628.9	3536.4	3443.4	3350.9	3311.0	3271.8
25°	4541.1	4470.2	4399.3	4328.4	4257.5	4109.4	3961.9	3813.7	3666.2	3579.5	3493.4
27.5°	4769.7	4615.2	4461.4	4306.9	4152.4	4040.4	3928.9	3816.9	3705.5	3568.1	3430.7
30°	5231.8	4988.1	4745.0	4501.2	4257.5	4149.2	4041.0	3932.1	3823.8	3683.3	3543.4
32.5°	5641.4	5388.2	5135.0	4881.1	4627.9	4422.7	4217.6	4012.5	3807.4	3712.4	3617.5
35°	6115.6	5797.2	5478.7	5160.3	4841.8	4665.8	4490.5	4314.5	4139.1	3995.4	3852.3
37.5°	6806.3	6467.6	6128.9	5789.6	5450.9	5212.8	4975.4	4737.4	4500.0	4420.8	4342.3
40°	7464.7	7064.6	6665.1	6265.0	5865.5	5683.2	5500.9	5317.9	5135.6	5002.0	4868.4
42.5°	8016.1	7620.5	7225.4	6829.7	6434.7	6301.7	6169.4	6036.5	5904.2	5794.0	5683.8
45°	8205.4	7882.6	7560.3	7237.4	6914.6	6867.7	6821.5	6774.7	6728.4	6646.8	6565.1
47.5°	8509.9	8180.7	7852.2	7523.0	7193.8	7210.9	7227.9	7245.7	7262.8	7267.2	7271.0
50°	8689.1	8376.4	8064.3	7751.5	7439.4	7522.3	7604.6	7687.6	7770.5	7958.5	8145.9
52.5°	8950.6	8643.5	8337.1	8030.1	7723.0	7863.6	8003.5	8144.0	8283.9	8547.3	8810.7
55°	9278.5	8984.8	8691.6	8397.9	8104.8	8241.5	8377.6	8514.4	8650.5	8943.6	9236.7
57.5°	9713.4	9398.8	9084.8	8770.1	8456.1	8582.1	8707.5	8833.5	8958.8	9237.4	9515.9
60°	10208.5	9866.6	9524.8	9182.3	8840.4	8875.2	8909.4	8944.2	8978.4	9280.4	9581.8
62.5°	10451.6	10135.1	9819.2	9502.6	9186.1	9089.2	8992.4	8894.9	8798.0	9068.3	9338.0
65°	10240.8	10023.0	9805.9	9588.1	9370.3	9199.4	9029.1	8858.1	8687.2	8856.2	9024.6
67.5°	9569.7	9446.3	9323.5	9200.0	9076.6	8789.8	8503.0	8215.6	7928.8	7940.2	7950.9
70°	8482.1	8449.2	8416.9	8384.0	8351.0	7919.9	7489.4	7058.3	6627.1	6561.3	6495.5
72.5°	7103.9	7125.4	7146.3	7167.8	7189.3	6725.9	6262.5	5799.1	5335.7	5226.1	5116.6
75°	5502.2	5621.2	5740.2	5859.8	5978.9	5535.7	5092.5	4648.8	4205.6	4070.7	3935.9
77.5°	3887.8	4110.0	4331.6	4553.8	4776.0	4375.3	3975.1	3574.4	3173.7	3086.3	2998.9
80°	2710.9	2819.8	2928.7	3037.5	3146.4	2945.1	2743.8	2542.5	2341.2	2365.2	2388.6
82.5°	1974.6	1999.9	2024.6	2049.9	2075.3	1993.0	1910.7	1827.7	1745.4	1808.1	1870.8
85°	1264.9	1355.4	1445.3	1535.9	1625.8	1534.6	1443.4	1351.6	1260.5	1302.3	1344.0
87.5°	283.0	447.6	612.2	777.4	942.0	853.4	765.4	676.8	588.1	548.3	509.0
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: P367932  
 CATALOG NUMBER: MSA-SA3C-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: P367932

CATALOG NUMBER: MSA-SA3C-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7
2.5°	1604.2	1637.8	1627.7	1618.2	1608.0	1597.9	1616.3	1634.6	1653.6	1672.0	1665.7
5°	2214.5	2220.9	2160.7	2101.2	2041.1	1980.9	2018.3	2055.6	2093.0	2130.3	2117.0
7.5°	2608.3	2576.7	2541.8	2507.0	2471.6	2436.7	2429.2	2421.6	2413.3	2405.7	2395.6
10°	2924.9	2947.0	2924.2	2902.1	2879.3	2856.5	2803.3	2750.1	2696.3	2643.1	2621.0
12.5°	3172.4	3197.1	3202.8	3207.8	3213.5	3219.2	3159.7	3100.9	3041.3	2981.8	2928.0
15°	3175.6	3196.5	3214.8	3232.5	3250.9	3268.6	3231.9	3195.8	3159.1	3122.4	3105.3
17.5°	3253.4	3257.2	3242.0	3227.5	3212.3	3197.7	3183.2	3169.2	3154.7	3140.7	3113.5
20°	3209.1	3218.0	3216.1	3214.2	3211.6	3209.7	3211.0	3211.6	3212.9	3213.5	3198.4
22.5°	3231.9	3192.0	3200.3	3207.8	3216.1	3223.7	3246.5	3269.3	3292.7	3315.5	3376.2
25°	3406.6	3319.9	3306.6	3293.9	3280.7	3268.0	3327.5	3386.4	3445.9	3505.4	3604.2
27.5°	3292.7	3155.3	3124.9	3094.5	3064.1	3033.7	3124.3	3214.2	3304.7	3395.2	3495.9
30°	3402.8	3262.9	3195.8	3128.7	3061.0	2993.9	3080.6	3166.7	3253.4	3339.5	3451.0
32.5°	3522.5	3427.5	3382.6	3338.3	3293.3	3249.0	3256.0	3262.9	3269.9	3276.9	3433.9
35°	3708.6	3564.9	3520.6	3476.3	3432.0	3387.6	3461.7	3535.2	3609.2	3682.7	3815.6
37.5°	4263.2	4184.1	4104.3	4024.5	3944.1	3864.4	3908.0	3951.7	3995.4	4039.1	4164.4
40°	4734.9	4601.3	4588.0	4575.3	4562.0	4548.7	4552.5	4555.7	4559.5	4563.3	4670.3
42.5°	5573.1	5462.9	5395.2	5327.4	5259.7	5191.9	5187.5	5183.1	5178.0	5173.6	5254.0
45°	6482.8	6401.1	6350.5	6299.8	6248.6	6197.9	6117.5	6037.1	5956.1	5875.7	5945.9
47.5°	7275.4	7279.9	7371.7	7462.8	7554.6	7646.4	7509.0	7371.7	7234.3	7096.9	7006.4
50°	8333.9	8521.3	8543.5	8565.0	8587.2	8609.3	8376.4	8144.0	7911.0	7678.1	7583.1
52.5°	9074.7	9338.0	9303.8	9270.3	9236.1	9201.9	9067.1	8932.8	8798.0	8663.2	8456.1
55°	9530.5	9823.6	9797.6	9772.3	9746.4	9720.4	9622.3	9524.2	9426.0	9327.9	9100.6
57.5°	9794.5	10073.0	10080.6	10088.2	10095.8	10103.4	10077.5	10051.5	10025.6	9999.6	9703.9
60°	9883.7	10185.7	10188.9	10191.4	10194.6	10197.1	10156.0	10114.8	10073.0	10031.9	9838.8
62.5°	9608.4	9878.0	9890.1	9901.5	9913.5	9925.5	9897.0	9868.5	9840.1	9811.6	9668.5
65°	9193.7	9362.7	9365.9	9368.4	9371.6	9374.7	9302.6	9231.0	9158.9	9086.7	9052.5
67.5°	7962.3	7973.7	8040.8	8107.9	8175.0	8242.2	8247.8	8253.5	8259.9	8265.6	8216.2
70°	6429.6	6363.8	6436.6	6509.4	6582.2	6655.0	6686.0	6717.0	6748.7	6779.7	6802.5
72.5°	5006.4	4896.9	4950.7	5004.5	5059.0	5112.8	5066.6	5020.4	4974.2	4927.9	5074.2
75°	3801.1	3666.2	3659.2	3652.9	3645.9	3639.6	3616.2	3592.8	3568.7	3545.3	3682.0
77.5°	2910.9	2823.6	2828.0	2831.8	2836.2	2840.0	2816.0	2792.5	2768.5	2744.4	2797.0
80°	2412.7	2436.1	2436.7	2437.4	2438.0	2438.6	2415.9	2393.7	2370.9	2348.1	2310.1
82.5°	1934.1	1996.8	1996.1	1996.1	1995.5	1994.9	1993.6	1992.3	1990.4	1989.2	1927.1
85°	1385.8	1427.6	1384.6	1341.5	1298.5	1255.4	1287.1	1318.7	1351.0	1382.7	1356.7
87.5°	469.1	429.9	378.6	327.9	276.7	225.4	280.5	335.5	391.2	446.3	478.0
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: P367932  
 CATALOG NUMBER: MSA-SA3C-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: P367932

CATALOG NUMBER: MSA-SA3C-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7	1375.7
2.5°	1660.0	1653.6	1647.9	1608.0	1567.5	1527.6	1487.1	1560.6	1634.6	1708.1	1781.5
5°	2104.4	2091.1	2078.4	2075.3	2072.1	2068.3	2065.1	2102.5	2139.8	2176.6	2213.9
7.5°	2385.5	2375.3	2365.2	2338.6	2312.7	2286.1	2259.5	2282.3	2304.4	2327.2	2349.4
10°	2599.5	2577.3	2555.1	2497.5	2440.5	2382.9	2325.3	2308.2	2291.1	2274.0	2257.0
12.5°	2874.2	2819.8	2766.0	2700.7	2634.9	2569.7	2503.9	2495.0	2486.1	2477.9	2469.0
15°	3088.8	3071.7	3054.6	3002.7	2950.8	2898.9	2847.0	2777.3	2707.1	2637.4	2567.8
17.5°	3086.9	3059.7	3033.1	3102.8	3171.8	3241.4	3310.4	3236.3	3161.6	3087.6	3013.5
20°	3183.2	3167.3	3152.1	3280.7	3408.5	3537.1	3664.9	3624.4	3583.3	3542.8	3501.6
22.5°	3436.4	3497.2	3557.3	3667.5	3777.0	3887.1	3996.7	4042.9	4089.1	4135.3	4181.5
25°	3702.3	3801.1	3899.8	4063.8	4227.1	4391.1	4555.1	4588.0	4620.9	4653.8	4686.7
27.5°	3595.9	3696.6	3797.3	3921.3	4044.8	4168.9	4292.3	4436.7	4581.6	4726.0	4870.3
30°	3561.7	3673.2	3784.0	3954.3	4123.9	4294.2	4464.5	4663.3	4862.1	5060.3	5259.0
32.5°	3590.2	3747.2	3904.2	4134.7	4364.5	4594.9	4825.4	5034.3	5243.9	5452.8	5661.7
35°	3947.9	4080.9	4213.2	4470.9	4728.5	4986.2	5243.9	5488.9	5733.9	5978.2	6223.2
37.5°	4289.2	4414.5	4539.9	4803.2	5066.0	5329.3	5592.7	5979.5	6366.9	6753.8	7140.6
40°	4776.6	4883.6	4990.0	5215.4	5440.7	5666.1	5891.5	6358.1	6824.7	7291.3	7757.8
42.5°	5333.8	5414.2	5493.9	5727.5	5961.1	6194.7	6428.4	6936.1	7444.5	7952.2	8459.9
45°	6015.6	6085.9	6156.1	6316.9	6477.7	6639.2	6800.0	7323.5	7847.1	8370.7	8894.2
47.5°	6915.8	6825.3	6734.8	6813.9	6893.0	6972.2	7051.3	7569.2	8087.0	8604.3	9122.1
50°	7488.1	7393.2	7298.2	7305.2	7311.5	7318.5	7325.4	7808.5	8291.5	8773.9	9257.0
52.5°	8249.1	8041.5	7834.4	7832.5	7830.6	7828.1	7826.2	8247.2	8668.9	9089.9	9510.9
55°	8873.3	8646.1	8418.8	8374.5	8330.1	8285.2	8240.9	8657.5	9073.4	9490.0	9905.9
57.5°	9408.3	9112.0	8816.4	8746.7	8677.1	8607.4	8537.8	8986.7	9436.2	9885.0	10333.9
60°	9646.3	9453.2	9260.8	9175.3	9089.9	9004.4	8918.9	9301.3	9683.7	10065.4	10447.8
62.5°	9526.0	9383.0	9240.5	9260.2	9279.8	9299.4	9319.0	9537.4	9756.5	9974.9	10193.3
65°	9018.9	8984.8	8951.2	9109.5	9267.8	9426.0	9584.3	9587.5	9590.6	9593.8	9597.0
67.5°	8166.8	8117.4	8068.1	8397.3	8725.8	9055.0	9384.2	9227.9	9071.5	8915.8	8759.4
70°	6824.7	6847.5	6869.6	7317.8	7765.4	8213.7	8661.9	8435.2	8208.0	7981.3	7754.0
72.5°	5220.4	5367.3	5513.5	5978.2	6442.9	6907.6	7372.3	7113.4	6853.8	6594.9	6335.3
75°	3818.8	3955.5	4092.3	4551.3	5010.2	5469.9	5928.9	5621.2	5313.5	5006.4	4698.8
77.5°	2849.5	2902.7	2955.2	3337.0	3718.1	4099.9	4481.0	4172.0	3863.1	3554.8	3245.8
80°	2272.8	2234.8	2197.4	2408.9	2620.3	2831.8	3043.2	2824.2	2604.5	2385.5	2166.4
82.5°	1865.7	1803.7	1742.3	1820.8	1899.3	1978.4	2056.9	1881.5	1706.2	1530.8	1355.4
85°	1330.7	1304.8	1278.8	1301.6	1323.8	1346.6	1369.4	1198.4	1027.5	857.2	686.3
87.5°	509.0	540.7	572.3	608.4	643.8	679.9	715.4	560.3	405.2	250.7	95.6
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: P367932  
 CATALOG NUMBER: MSA-SA3C-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: P367932  
 CATALOG NUMBER: MSA-SA3C-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	1375.7	1375.7
2.5°	1811.9	1842.3
5°	2213.3	2212.6
7.5°	2339.3	2328.5
10°	2229.1	2201.2
12.5°	2386.7	2303.8
15°	2485.5	2402.6
17.5°	2888.8	2763.4
20°	3352.8	3203.4
22.5°	3954.3	3727.0
25°	4415.1	4142.9
27.5°	4708.9	4546.8
30°	5073.6	4888.1
32.5°	5524.9	5387.6
35°	6097.9	5971.9
37.5°	7101.3	7061.4
40°	7710.4	7662.2
42.5°	8461.8	8463.1
45°	8922.7	8951.2
47.5°	9194.3	9265.9
50°	9410.8	9564.0
52.5°	9720.4	9930.0
55°	10184.5	10462.4
57.5°	10570.6	10807.4
60°	10570.6	10692.8
62.5°	10190.2	10186.4
65°	9538.1	9478.6
67.5°	8684.7	8610.0
70°	7637.6	7520.4
72.5°	6190.3	6044.7
75°	4499.3	4299.3
77.5°	3150.9	3055.3
80°	2212.6	2258.9
82.5°	1421.3	1487.1
85°	676.1	666.0
87.5°	79.8	63.9
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: P367932  
CATALOG NUMBER: MSA-SA3C-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)