

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: P367711

Luminaire Tested: **MSA-SA3A-740-U-SLR-HSS**

Issue Date: 12/2/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P367711  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 12/2/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: MSA-SA3A-740-U-SLR-HSS  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8557 lumens  
Efficiency: N/A  
Efficacy: 89.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

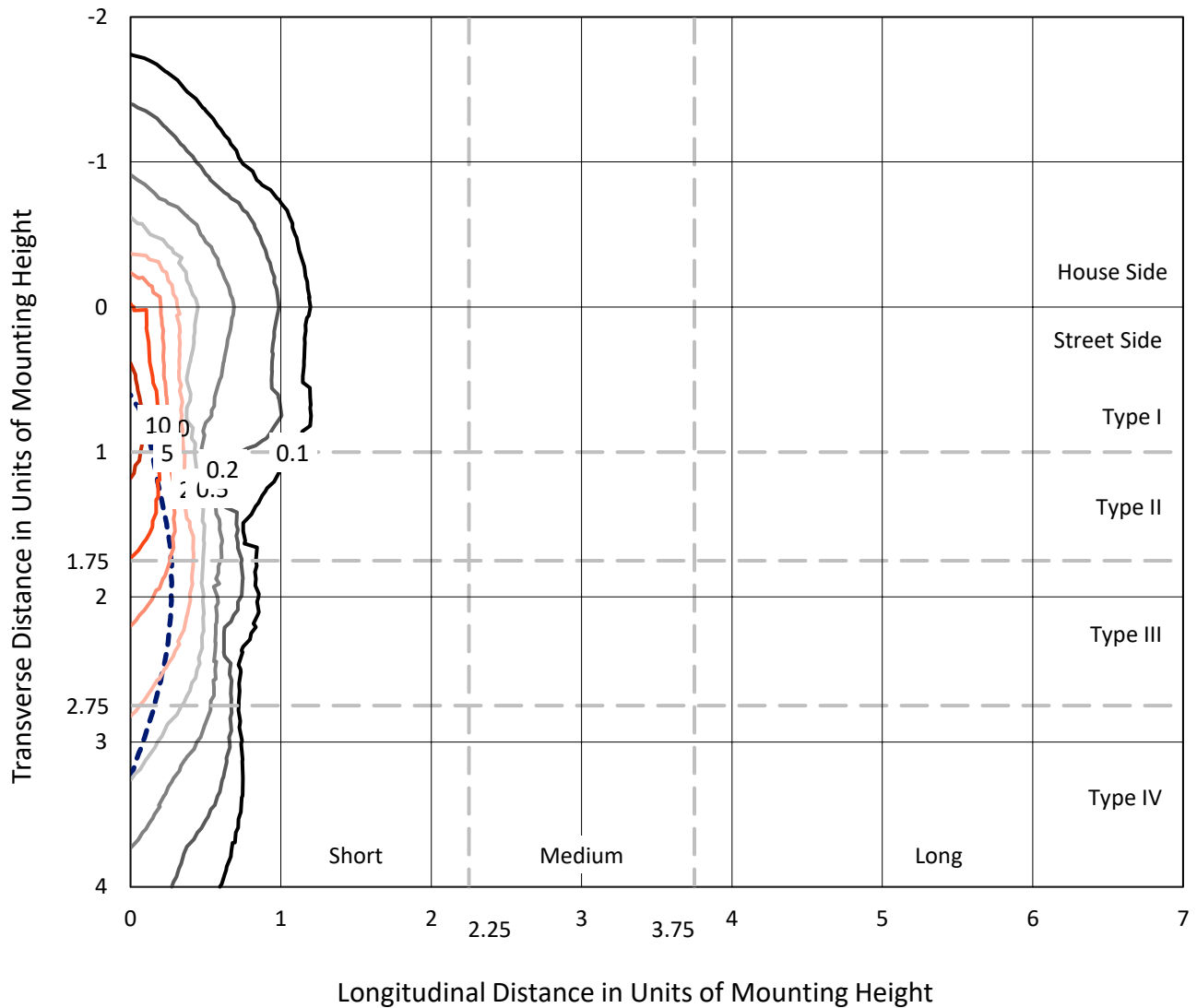
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

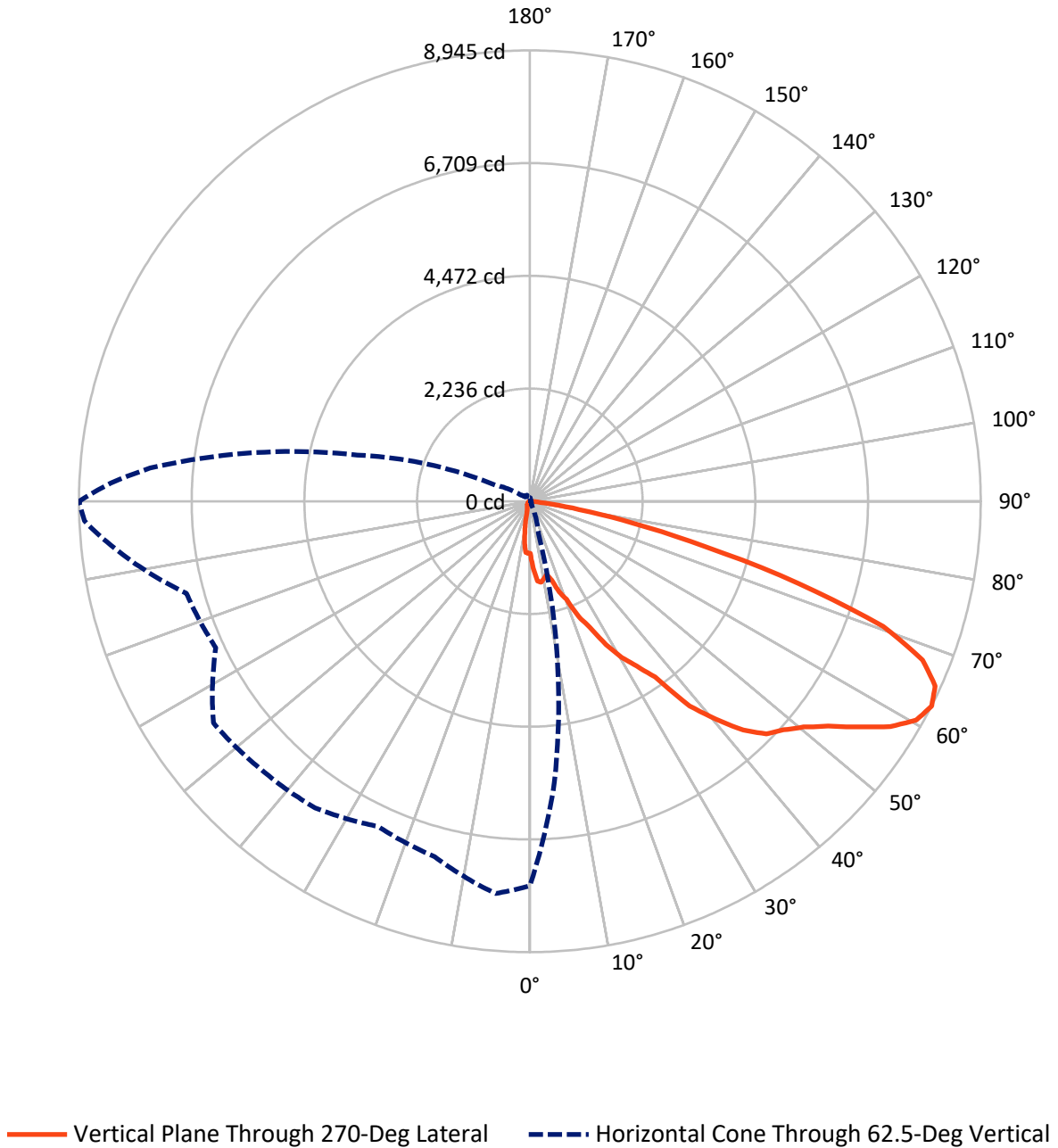
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 27.5 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	1428.9	0.0	1428.9
	% Fixture	16.7	0.0	16.7
<b>Street Side</b>	Lumens	7128.1	0.0	7128.1
	% Fixture	83.3	0.0	83.3
<b>Total</b>	Lumens	8557.0	0.0	8557.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.2	1.3
10°-20°	301.0	3.5
20°-30°	486.4	5.7
30°-40°	814.7	9.5
40°-50°	1331.8	15.6
50°-60°	1971.6	23.0
60°-70°	2263.4	26.5
70°-80°	1119.1	13.1
80°-90°	153.7	1.8
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°	8557.0	100.0
0°-180°	8557.0	100.0

**Coefficient of Utilization**

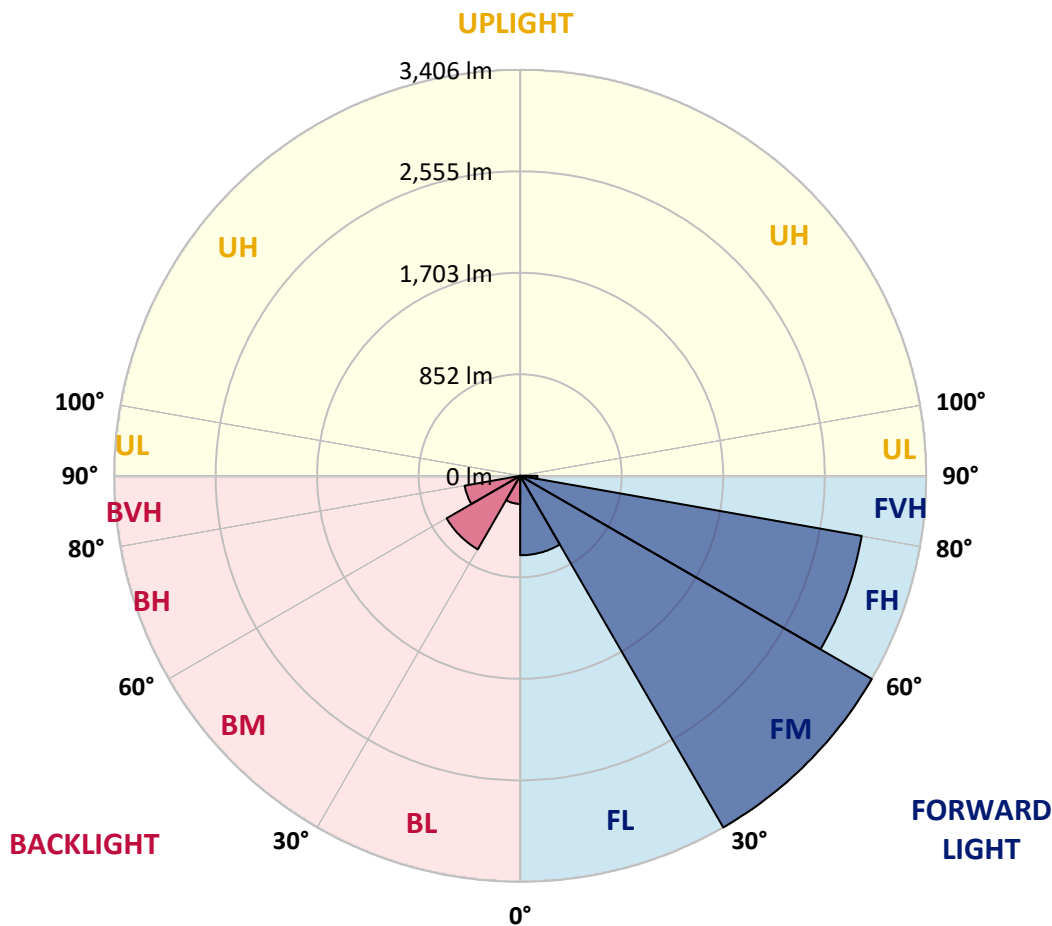


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	666.6	7.8			
FM (30°-60°)	3406.1	39.8			
FH (60°-80°)	2909.8	34.0			G2/5000
FVH (80°-90°)	145.5	1.7			G2/225
BL (0°-30°)	235.9	2.8	B1/500		
BM (30°-60°)	712.0	8.3	B1/1000		
BH (60°-80°)	472.8	5.5	B1/500		G1/500
BVH (80°-90°)	8.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 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°	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2
2.5°	1367.2	1384.3	1400.9	1369.2	1337.5	1305.8	1274.1	1245.8	1217.5	1188.7	1160.4
5°	1759.4	1728.2	1697.0	1654.0	1611.1	1568.2	1525.3	1505.3	1485.3	1465.3	1445.3
7.5°	1896.0	1840.4	1784.3	1746.2	1708.7	1670.6	1632.6	1572.6	1512.1	1452.1	1391.6
10°	1788.7	1729.7	1670.1	1637.0	1603.8	1570.6	1537.5	1462.8	1387.7	1313.1	1238.0
12.5°	1837.9	1774.0	1710.1	1641.9	1573.6	1505.3	1437.0	1379.9	1322.4	1265.3	1207.7
15°	1872.1	1798.9	1725.3	1647.2	1569.2	1491.1	1413.1	1345.8	1278.9	1211.6	1144.3
17.5°	2072.6	1967.7	1862.8	1742.8	1622.8	1502.8	1382.8	1304.8	1227.2	1149.2	1071.2
20°	2330.1	2181.3	2032.1	1869.6	1707.2	1544.8	1382.4	1285.3	1188.2	1091.2	994.1
22.5°	2629.6	2443.8	2257.4	2057.0	1857.0	1656.5	1456.0	1316.5	1177.0	1037.5	898.0
25°	2931.0	2763.3	2595.5	2325.7	2056.0	1785.7	1516.0	1338.9	1161.4	984.3	806.8
27.5°	3475.4	3175.4	2875.4	2532.0	2189.1	1845.7	1502.4	1299.4	1096.5	893.1	690.2
30°	3831.5	3600.8	3369.6	2915.9	2462.8	2009.1	1555.5	1298.5	1041.4	783.9	526.8
32.5°	4257.3	3919.8	3581.7	3089.6	2597.4	2105.2	1613.1	1311.1	1008.7	706.8	404.4
35°	4735.8	4368.5	4001.2	3377.8	2754.5	2130.6	1507.2	1214.6	921.9	629.2	336.6
37.5°	5581.1	4966.5	4351.9	3625.2	2897.9	2171.1	1443.8	1151.6	859.0	566.8	274.1
40°	6061.1	5474.3	4887.5	3979.3	3071.0	2162.8	1254.6	995.1	736.1	476.6	217.1
42.5°	6685.5	5941.1	5196.3	4181.2	3166.2	2151.1	1136.0	896.0	656.1	415.6	175.6
45°	7055.7	6212.3	5369.0	4269.0	3169.1	2069.1	969.2	761.4	553.6	345.8	138.0
47.5°	7289.3	6443.5	5597.7	4416.8	3236.4	2055.5	874.6	683.4	492.2	301.0	109.7
50°	7407.9	6559.6	5710.9	4497.3	3283.7	2069.6	856.0	665.8	475.1	284.9	94.1
52.5°	7531.3	6713.3	5894.8	4636.8	3378.8	2120.9	862.9	668.7	475.1	281.0	86.8
55°	7780.5	6973.7	6166.5	4836.8	3507.1	2177.4	847.8	656.5	465.3	273.6	82.4
57.5°	8086.8	7224.5	6361.6	4983.1	3604.7	2226.2	847.8	655.6	463.4	270.7	78.5
60°	8028.8	7092.8	6156.2	4818.7	3481.3	2143.3	805.8	622.9	440.5	257.5	74.6
62.5°	7630.3	6614.2	5597.7	4361.7	3125.2	1889.2	652.6	506.8	361.0	214.6	68.8
65°	7162.0	6083.5	5004.6	3867.1	2729.1	1591.6	453.6	356.1	258.0	160.5	62.4
67.5°	6598.1	5448.0	4297.8	3286.1	2275.0	1263.3	251.7	202.9	154.1	104.9	56.1
70°	5619.7	4432.4	3244.7	2467.2	1690.1	912.6	135.1	114.1	93.2	72.2	51.2
72.5°	4218.8	3131.0	2043.3	1552.1	1061.4	570.2	79.0	71.2	62.9	55.1	46.8
75°	2870.6	2055.5	1240.4	944.3	648.7	352.7	56.6	52.7	48.3	44.4	40.0
77.5°	1951.6	1411.6	871.7	665.3	459.0	252.7	46.3	43.9	41.5	38.5	36.1
80°	1218.5	834.1	449.7	346.3	242.4	139.0	35.1	33.7	32.2	30.2	28.8
82.5°	852.1	509.7	167.3	130.7	94.1	57.1	20.5	21.0	21.5	21.5	21.9
85°	357.5	193.2	28.8	24.4	20.0	15.6	11.2	12.2	13.7	14.6	15.6
87.5°	6.3	3.4	0.0	1.0	2.4	3.4	4.4	5.9	6.8	8.3	9.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2
2.5°	1167.7	1175.1	1181.9	1189.2	1183.3	1178.0	1172.1	1166.3	1157.5	1149.2	1140.4
5°	1420.9	1396.5	1372.1	1347.7	1310.7	1273.6	1236.0	1199.0	1194.6	1190.2	1185.3
7.5°	1334.6	1277.5	1219.9	1162.9	1109.2	1055.5	1001.9	948.2	931.7	915.6	899.0
10°	1194.1	1150.2	1105.8	1061.9	1023.4	984.3	945.8	906.8	866.3	825.8	784.8
12.5°	1161.9	1116.0	1069.7	1023.8	988.7	953.6	918.5	883.4	838.0	792.6	747.3
15°	1094.6	1044.8	995.1	945.3	898.5	851.7	804.3	757.5	702.9	648.3	593.6
17.5°	1012.1	953.6	894.6	835.6	774.1	712.6	651.2	589.7	526.8	464.4	401.4
20°	914.1	834.1	753.6	673.6	597.5	521.4	444.9	368.8	329.2	290.2	250.7
22.5°	794.6	690.7	587.3	483.4	421.0	358.0	295.6	232.7	215.6	198.5	181.5
25°	689.2	571.7	454.1	336.6	297.1	257.5	218.0	178.5	170.7	162.4	154.6
27.5°	579.5	469.2	358.5	247.8	225.4	202.4	180.0	157.1	151.7	146.8	141.5
30°	444.4	361.9	279.0	196.6	181.9	167.3	152.2	137.6	135.1	132.2	129.7
32.5°	344.4	283.9	223.9	163.4	155.1	146.8	138.5	130.2	126.3	122.4	118.0
35°	287.8	239.5	190.7	141.9	136.1	129.7	123.9	117.6	113.7	109.3	105.4
37.5°	238.5	203.4	167.8	132.2	125.8	119.5	112.7	106.3	103.4	100.5	97.6
40°	196.6	176.1	155.6	135.1	125.8	116.6	107.3	98.0	95.6	93.2	90.7
42.5°	162.4	149.3	135.6	122.4	115.6	109.3	102.4	95.6	92.2	88.3	84.9
45°	131.2	123.9	117.1	109.7	110.2	110.7	110.7	111.2	102.4	93.2	84.4
47.5°	106.3	102.9	99.0	95.6	99.5	103.4	106.8	110.7	101.5	92.2	82.4
50°	91.2	88.8	85.8	82.9	86.8	91.2	95.1	99.0	95.1	91.7	87.8
52.5°	83.4	80.0	76.6	73.2	74.6	76.6	78.0	79.5	79.5	79.5	79.5
55°	78.5	75.1	71.2	67.3	65.8	63.9	62.4	60.5	58.0	56.1	53.7
57.5°	74.6	70.7	66.3	62.4	60.0	57.1	54.6	51.7	49.3	46.3	43.9
60°	70.7	66.8	62.4	58.5	56.1	53.7	50.7	48.3	45.4	42.9	40.0
62.5°	65.4	61.9	58.5	55.1	52.7	50.7	48.3	45.9	42.9	40.0	36.6
65°	59.5	57.1	54.1	51.2	48.8	46.3	43.9	41.5	38.5	36.1	33.2
67.5°	54.1	51.7	49.8	47.3	44.4	41.9	39.0	36.1	34.1	32.2	29.8
70°	49.8	47.8	46.3	44.4	41.5	39.0	36.1	33.2	31.7	29.8	28.3
72.5°	45.4	43.9	41.9	40.5	38.0	35.6	33.2	30.7	29.3	27.8	26.3
75°	39.0	38.0	37.1	36.1	33.7	31.2	28.3	25.9	25.4	24.9	24.4
77.5°	35.1	34.6	33.7	32.7	30.2	27.8	25.4	22.9	23.4	23.9	23.9
80°	28.8	28.8	28.3	28.3	26.3	24.4	21.9	20.0	21.0	22.4	23.4
82.5°	21.9	21.9	21.9	21.9	20.0	18.0	16.1	14.1	15.6	16.6	18.0
85°	15.1	14.6	14.1	13.7	12.2	11.2	9.8	8.3	10.2	11.7	13.7
87.5°	9.3	9.8	9.8	9.8	8.8	7.3	6.3	4.9	5.9	6.3	7.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367711  
 CATALOG NUMBER: MSA-SA3A-740-U-SLR-HSS

**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: P367711  
 CATALOG NUMBER: MSA-SA3A-740-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2
2.5°	1131.6	1117.0	1102.4	1087.3	1072.6	1038.5	1004.3	970.2	936.0	961.4	986.3
5°	1180.9	1152.6	1123.8	1095.5	1066.8	1054.1	1041.9	1029.2	1016.5	1018.5	1020.9
7.5°	882.4	863.9	845.3	826.3	807.8	803.9	800.4	796.5	792.6	800.9	808.7
10°	744.3	718.5	692.2	666.3	640.0	625.8	611.7	597.5	583.4	581.9	580.0
12.5°	701.9	662.4	623.4	583.9	544.4	513.6	482.9	452.2	421.4	423.9	426.3
15°	539.0	499.5	460.5	421.0	381.4	356.6	331.2	306.3	281.0	273.6	266.3
17.5°	338.5	309.3	280.0	250.2	221.0	212.7	204.9	196.6	188.3	185.8	183.4
20°	211.2	198.5	185.8	172.7	160.0	158.0	156.1	154.1	152.2	153.6	155.1
22.5°	164.4	159.0	153.2	147.8	141.9	140.0	138.0	136.1	134.1	135.6	136.6
25°	146.3	142.4	138.5	134.6	130.7	128.8	126.3	124.4	121.9	122.9	124.4
27.5°	136.1	132.7	129.3	125.8	122.4	119.0	116.1	112.7	109.3	111.2	112.7
30°	126.8	122.9	119.5	115.6	111.7	108.3	104.9	101.0	97.6	99.5	101.5
32.5°	114.1	110.7	106.8	103.4	99.5	97.6	95.6	93.2	91.2	92.7	93.7
35°	101.0	98.0	95.6	92.7	89.8	87.8	86.3	84.4	82.4	82.9	83.9
37.5°	94.6	91.2	87.8	84.4	81.0	80.0	79.0	77.6	76.6	76.6	76.6
40°	88.3	84.9	81.5	77.6	74.1	72.7	71.2	69.8	68.3	68.3	68.3
42.5°	81.0	77.6	74.1	70.7	67.3	65.8	63.9	62.4	60.5	60.5	60.5
45°	75.1	71.7	68.8	65.4	61.9	59.5	57.1	54.1	51.7	51.2	50.7
47.5°	73.2	68.3	63.4	58.5	53.7	51.2	48.8	45.9	43.4	42.9	42.4
50°	83.9	74.1	64.4	54.6	44.9	42.9	41.0	39.0	37.1	36.1	35.6
52.5°	79.5	69.3	59.0	48.8	38.5	37.1	35.6	34.1	32.7	31.7	30.7
55°	51.2	46.8	42.9	38.5	34.1	33.2	32.2	30.7	29.8	28.8	27.8
57.5°	41.0	38.5	36.6	34.1	31.7	30.7	29.8	28.3	27.3	25.9	24.9
60°	37.1	35.1	33.2	31.2	29.3	28.3	27.3	26.3	25.4	23.9	22.9
62.5°	33.7	32.2	30.7	29.3	27.8	26.8	25.9	24.9	23.9	22.4	21.0
65°	30.2	29.3	28.3	27.3	26.3	25.4	24.4	22.9	21.9	20.5	19.0
67.5°	27.8	27.3	26.8	26.3	25.9	24.9	23.4	22.4	21.0	19.5	17.6
70°	26.3	26.3	26.3	25.9	25.9	24.9	23.4	22.4	21.0	19.0	17.6
72.5°	24.9	25.4	25.9	25.9	26.3	24.9	23.4	21.9	20.5	18.5	17.1
75°	23.9	24.4	24.9	24.9	25.4	24.4	23.4	21.9	21.0	19.0	17.1
77.5°	24.4	24.9	24.9	25.4	25.4	24.4	23.4	21.9	21.0	18.5	16.1
80°	24.4	23.9	23.4	22.4	21.9	20.0	18.0	15.6	13.7	10.7	8.3
82.5°	19.0	18.0	17.6	16.6	15.6	13.7	11.7	9.8	7.8	5.9	3.9
85°	15.1	14.1	13.7	12.7	11.7	10.2	8.3	6.8	4.9	3.9	2.4
87.5°	7.8	7.3	6.3	5.9	4.9	3.9	2.4	1.5	0.0	0.0	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: P367711  
 CATALOG NUMBER: MSA-SA3A-740-U-SLR-HSS

**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: P367711  
 CATALOG NUMBER: MSA-SA3A-740-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2
2.5°	1011.6	1036.5	1033.1	1029.7	1045.8	1061.9	1050.2	1039.0	1027.3	1015.5	991.2
5°	1022.9	1024.8	1021.4	1017.5	1018.0	1018.5	1010.7	1002.9	995.1	987.3	985.8
7.5°	817.0	824.8	835.6	845.8	846.3	846.3	840.4	834.6	828.2	822.4	825.3
10°	578.5	576.6	579.5	582.4	581.9	580.9	596.6	612.2	627.3	642.9	631.7
12.5°	428.3	430.7	418.5	406.3	410.7	414.6	417.0	419.5	421.9	424.4	431.2
15°	259.0	251.7	242.9	234.1	238.5	242.4	246.8	250.7	255.1	259.0	263.4
17.5°	180.5	178.0	174.1	169.7	170.2	170.7	171.2	171.7	171.7	172.2	173.2
20°	156.6	158.0	155.1	151.7	150.7	149.3	148.3	147.3	145.8	144.9	143.4
22.5°	138.0	139.0	139.5	139.5	137.6	135.1	133.2	131.7	129.7	127.8	126.8
25°	125.4	126.3	125.4	123.9	122.9	121.9	121.0	119.5	118.5	117.1	116.6
27.5°	114.6	116.1	116.1	115.6	114.6	113.2	110.7	108.8	106.3	103.9	104.4
30°	103.4	105.4	105.4	104.9	104.4	103.9	101.5	99.0	96.6	94.1	95.1
32.5°	95.1	96.1	95.6	95.1	95.1	94.6	92.7	91.2	89.3	87.3	87.3
35°	84.4	84.9	84.9	84.9	84.9	84.4	82.9	81.5	80.0	78.5	79.0
37.5°	76.6	76.6	78.0	79.0	78.0	77.1	76.1	74.6	73.7	72.2	72.2
40°	67.8	67.8	69.3	70.2	69.3	68.3	67.8	66.8	66.3	65.4	65.4
42.5°	60.0	60.0	61.5	62.4	62.4	61.9	61.0	60.0	59.0	58.0	58.5
45°	50.2	49.8	52.2	54.1	53.2	52.2	52.2	51.7	51.7	51.2	51.7
47.5°	41.5	41.0	42.9	44.9	44.4	43.4	43.4	43.4	43.4	43.4	43.9
50°	34.6	33.7	35.6	37.1	36.6	35.6	35.6	36.1	36.1	36.1	36.6
52.5°	29.8	28.8	30.2	31.2	30.7	30.2	30.2	30.7	30.7	30.7	31.2
55°	26.3	25.4	26.8	27.8	27.3	26.3	26.8	26.8	27.3	27.3	27.3
57.5°	23.4	21.9	22.9	23.9	23.9	23.4	23.9	23.9	24.4	24.4	24.4
60°	21.5	20.0	21.0	21.5	21.5	21.0	21.5	21.5	21.9	21.9	21.9
62.5°	19.0	17.6	18.5	19.0	19.0	18.5	19.0	19.0	19.5	19.5	19.5
65°	17.1	15.6	16.1	16.6	16.6	16.6	17.1	17.1	17.6	17.6	17.6
67.5°	16.1	14.1	14.6	15.1	15.1	15.1	15.6	15.6	16.1	16.1	16.6
70°	15.6	13.7	14.1	14.1	14.6	14.6	14.6	15.1	15.1	15.1	15.1
72.5°	15.1	13.2	13.2	13.2	13.7	13.7	13.7	14.1	14.1	14.1	14.1
75°	15.1	13.2	12.7	12.2	12.7	12.7	12.7	13.2	13.2	13.2	13.2
77.5°	13.2	10.7	9.8	8.3	9.8	10.7	11.2	11.2	11.7	11.7	11.7
80°	5.4	2.4	1.5	0.0	0.5	1.0	1.5	2.0	2.4	2.9	3.4
82.5°	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P367711  
 CATALOG NUMBER: MSA-SA3A-740-U-SLR-HSS

**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: P367711  
 CATALOG NUMBER: MSA-SA3A-740-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2
2.5°	966.8	942.4	918.0	929.7	941.4	953.1	964.8	963.8	962.4	961.4	959.9
5°	984.8	983.4	981.9	975.1	968.7	961.9	955.1	953.6	951.7	950.2	948.2
7.5°	828.2	830.7	833.6	825.8	818.0	810.2	802.4	782.4	762.4	741.9	721.9
10°	620.5	608.7	597.5	596.6	595.6	594.6	593.6	591.7	589.7	587.3	585.3
12.5°	438.5	445.3	452.2	449.7	447.3	444.4	441.9	445.3	449.2	452.7	456.1
15°	267.3	271.7	275.6	284.4	293.2	301.9	310.7	314.1	318.0	321.4	324.9
17.5°	174.1	174.6	175.6	185.4	194.6	204.4	213.6	220.0	226.3	232.2	238.5
20°	141.9	140.5	139.0	144.4	149.7	155.1	160.5	166.3	172.2	178.0	183.9
22.5°	126.3	125.4	124.4	126.3	128.3	129.7	131.7	136.1	141.0	145.4	149.7
25°	116.1	115.1	114.6	115.6	116.6	117.6	118.5	121.0	123.4	125.8	128.3
27.5°	104.4	104.9	104.9	105.8	106.3	107.3	107.8	108.8	110.2	111.2	112.2
30°	95.6	96.6	97.1	98.0	98.5	99.5	100.0	99.5	99.0	98.5	98.0
32.5°	87.3	86.8	86.8	87.8	88.3	89.3	89.8	90.7	91.7	92.2	93.2
35°	79.0	79.5	79.5	79.5	80.0	80.0	80.0	81.0	82.4	83.4	84.4
37.5°	71.7	71.7	71.2	72.7	73.7	75.1	76.1	77.1	78.5	79.5	80.5
40°	65.4	65.4	65.4	66.3	67.3	67.8	68.8	71.2	73.7	76.1	78.5
42.5°	58.5	59.0	59.0	60.0	61.0	61.5	62.4	64.4	65.8	67.8	69.3
45°	52.2	52.7	53.2	54.1	54.6	55.6	56.1	57.1	57.6	58.5	59.0
47.5°	44.9	45.4	45.9	46.8	47.3	48.3	48.8	48.3	48.3	47.8	47.3
50°	37.6	38.0	38.5	40.0	41.0	42.4	43.4	42.4	41.5	40.0	39.0
52.5°	31.7	31.7	32.2	33.2	34.1	34.6	35.6	35.1	34.6	34.1	33.7
55°	27.3	27.3	27.3	27.8	28.3	28.8	29.3	29.8	29.8	30.2	30.2
57.5°	24.4	23.9	23.9	24.4	24.9	24.9	25.4	25.9	25.9	26.3	26.3
60°	21.9	21.5	21.5	21.9	22.4	22.9	23.4	23.4	23.4	22.9	22.9
62.5°	19.5	19.5	19.5	20.0	20.0	20.5	20.5	20.5	21.0	21.0	21.0
65°	18.0	18.0	18.0	18.0	18.0	17.6	17.6	18.0	18.0	18.5	18.5
67.5°	16.6	17.1	17.1	16.6	16.1	15.6	15.1	15.6	15.6	16.1	16.1
70°	15.1	15.1	15.1	14.6	14.1	13.7	13.2	13.2	13.2	12.7	12.7
72.5°	14.1	13.7	13.7	13.2	12.2	11.7	10.7	10.2	10.2	9.8	9.3
75°	13.2	12.7	12.7	11.7	10.7	9.8	8.8	8.3	7.3	6.8	5.9
77.5°	11.7	11.7	11.7	10.2	9.3	7.8	6.3	5.4	4.4	2.9	2.0
80°	3.9	4.4	4.9	4.4	4.4	3.9	3.4	2.4	2.0	1.0	0.0
82.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P367711  
 CATALOG NUMBER: MSA-SA3A-740-U-SLR-HSS

**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: P367711  
 CATALOG NUMBER: MSA-SA3A-740-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2
2.5°	965.3	970.7	976.0	981.4	981.9	982.4	982.9	983.4	971.2	958.5	946.3
5°	958.0	968.2	978.0	987.7	982.4	977.0	971.6	966.3	965.8	965.8	965.3
7.5°	723.4	724.3	725.8	726.8	728.7	730.7	732.2	734.1	741.9	749.7	757.0
10°	579.0	572.6	565.8	559.5	554.6	549.2	544.4	539.0	542.9	547.3	551.2
12.5°	450.7	445.3	439.5	434.1	432.2	430.2	427.8	425.8	438.5	451.2	463.4
15°	323.9	322.9	321.4	320.5	326.8	333.2	339.5	345.8	356.6	366.8	377.5
17.5°	241.0	243.4	245.8	248.3	252.2	256.1	259.5	263.4	271.2	279.5	287.3
20°	186.8	190.2	193.2	196.1	195.1	194.1	192.7	191.7	198.0	204.4	210.2
22.5°	152.7	155.1	158.0	160.5	161.0	161.5	161.9	162.4	166.3	169.7	173.6
25°	130.7	133.7	136.1	138.5	139.0	139.5	140.0	140.5	145.4	150.2	154.6
27.5°	115.6	118.5	121.9	124.9	125.8	126.8	127.8	128.8	131.7	134.1	137.1
30°	101.9	105.8	109.7	113.7	115.1	116.6	118.0	119.5	122.4	125.8	128.8
32.5°	95.1	97.6	99.5	101.5	104.9	107.8	111.2	114.1	117.6	121.5	124.9
35°	87.3	89.8	92.7	95.1	97.6	100.0	101.9	104.4	106.3	108.3	109.7
37.5°	82.4	84.9	86.8	88.8	89.8	90.7	91.2	92.2	93.2	94.1	94.6
40°	78.5	78.0	78.0	77.6	78.5	80.0	81.0	81.9	84.9	87.3	90.2
42.5°	68.3	66.8	65.8	64.4	66.8	68.8	71.2	73.2	77.1	81.0	84.9
45°	58.0	57.1	55.6	54.6	58.0	61.5	64.9	68.3	72.7	76.6	81.0
47.5°	47.8	48.3	48.3	48.8	52.2	55.6	58.5	61.9	66.3	70.7	75.1
50°	40.0	41.0	41.9	42.9	46.3	49.3	52.7	55.6	60.5	64.9	69.8
52.5°	35.1	36.6	37.6	39.0	41.9	45.4	48.3	51.2	55.6	60.0	64.4
55°	31.7	33.7	35.1	36.6	39.0	41.5	43.9	46.3	50.7	55.1	59.0
57.5°	27.8	29.3	30.7	32.2	34.6	37.1	39.0	41.5	45.4	49.8	53.7
60°	24.4	25.4	26.8	27.8	29.8	32.2	34.1	36.1	40.0	43.9	47.3
62.5°	21.5	22.4	22.9	23.4	25.4	27.3	29.3	31.2	34.6	38.5	41.9
65°	19.0	19.5	19.5	20.0	21.5	23.4	24.9	26.3	30.2	33.7	37.6
67.5°	16.1	16.6	16.6	16.6	18.0	19.5	21.0	22.4	25.9	29.8	33.2
70°	12.7	13.2	13.2	13.2	14.6	16.6	18.0	19.5	22.4	25.4	28.3
72.5°	9.8	9.8	10.2	10.2	11.7	13.7	15.1	16.6	19.0	21.5	23.9
75°	6.3	6.8	6.8	7.3	8.8	10.7	12.2	13.7	16.1	18.5	20.5
77.5°	2.4	3.4	3.9	4.4	5.9	7.3	8.8	10.2	12.2	14.6	16.6
80°	0.0	0.5	0.5	0.5	1.5	2.0	2.9	3.4	4.9	6.8	8.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P367711  
 CATALOG NUMBER: MSA-SA3A-740-U-SLR-HSS

**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: P367711  
 CATALOG NUMBER: MSA-SA3A-740-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2
2.5°	933.6	960.4	987.3	1014.1	1040.9	1074.1	1107.3	1112.1	1117.0	1111.2	1105.8
5°	964.8	978.0	990.7	1003.8	1016.5	1054.6	1092.1	1092.6	1092.6	1093.1	1093.1
7.5°	764.8	776.1	787.3	798.0	809.2	834.1	859.0	868.2	877.0	875.1	873.1
10°	555.1	569.7	583.9	598.5	612.6	635.6	658.5	667.3	675.6	702.4	729.7
12.5°	476.1	490.2	504.4	518.0	532.2	555.6	579.0	596.1	612.6	629.2	645.8
15°	387.8	399.0	410.7	421.9	433.1	443.9	454.6	475.6	496.1	512.7	529.2
17.5°	295.1	300.0	304.4	309.3	313.6	318.5	323.4	332.2	340.5	355.1	369.2
20°	216.6	220.5	224.4	227.8	231.7	236.6	241.4	247.8	253.6	257.1	260.0
22.5°	177.1	182.9	188.8	194.1	200.0	203.4	206.8	208.8	210.7	212.2	213.6
25°	159.5	164.9	169.7	175.1	180.0	181.5	182.9	186.8	190.7	190.7	190.7
27.5°	139.5	146.8	154.6	161.9	169.3	171.2	172.7	174.1	175.1	173.2	170.7
30°	131.7	139.0	146.3	153.2	160.5	163.4	165.8	167.3	168.8	166.3	163.9
32.5°	128.3	135.1	141.5	148.3	154.6	158.5	161.9	165.8	169.3	169.7	170.7
35°	111.7	116.1	121.0	125.4	129.7	131.7	133.7	135.1	136.1	136.1	136.1
37.5°	95.6	101.5	107.8	113.7	119.5	123.9	128.3	128.8	128.8	129.7	131.2
40°	92.7	98.5	104.4	109.7	115.6	120.5	124.9	125.4	125.8	126.8	127.8
42.5°	88.8	95.1	101.5	107.8	114.1	119.0	123.4	123.4	122.9	124.4	125.4
45°	84.9	91.2	97.1	103.4	109.3	115.6	121.5	120.0	118.0	120.5	122.4
47.5°	79.5	86.3	93.2	99.5	106.3	112.2	117.6	116.6	115.1	117.6	120.0
50°	74.1	81.0	87.8	94.6	101.5	107.8	113.7	112.7	111.7	114.6	117.1
52.5°	68.8	75.6	82.9	89.8	96.6	101.9	106.8	106.3	105.8	108.8	112.2
55°	63.4	69.8	76.6	82.9	89.3	95.1	100.5	99.5	98.5	101.0	103.4
57.5°	57.6	63.9	69.8	76.1	81.9	86.8	91.2	89.8	88.3	91.2	94.1
60°	51.2	57.1	62.9	68.3	74.1	78.0	81.5	80.5	79.0	81.9	84.9
62.5°	45.4	50.7	56.1	61.0	66.3	69.3	72.2	71.2	70.2	73.2	76.6
65°	41.0	45.4	49.3	53.7	57.6	60.5	63.4	61.9	60.5	63.9	66.8
67.5°	36.6	40.0	43.9	47.3	50.7	53.2	55.6	54.6	53.2	55.6	58.0
70°	31.2	34.6	38.0	41.0	44.4	46.8	49.3	47.8	45.9	48.3	50.7
72.5°	26.3	29.3	32.2	34.6	37.6	39.5	41.5	40.0	38.5	40.5	42.4
75°	22.9	25.4	27.8	29.8	32.2	33.2	34.1	33.7	32.7	34.6	36.1
77.5°	18.5	20.5	22.9	24.9	26.8	26.8	26.8	27.3	27.3	29.3	31.7
80°	9.8	11.7	13.7	15.1	17.1	17.1	16.6	17.6	18.0	20.5	22.9
82.5°	0.0	1.5	2.9	4.4	5.9	5.4	4.4	4.9	4.9	5.9	6.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P367711  
 CATALOG NUMBER: MSA-SA3A-740-U-SLR-HSS

**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: P367711

CATALOG NUMBER: MSA-SA3A-740-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2
2.5°	1099.9	1094.1	1090.2	1086.8	1082.9	1079.0	1083.8	1088.7	1093.1	1098.0	1112.6
5°	1093.6	1093.6	1090.2	1086.8	1083.4	1079.9	1087.3	1094.1	1101.4	1108.2	1107.7
7.5°	870.7	868.7	889.2	909.2	929.7	949.7	955.1	960.4	965.3	970.7	969.2
10°	756.5	783.4	792.1	800.9	809.7	818.5	829.2	840.0	850.7	861.4	865.3
12.5°	662.4	679.0	707.3	735.1	763.4	791.2	805.3	820.0	834.1	848.2	876.0
15°	545.8	562.4	586.8	611.2	635.6	660.0	682.4	705.3	727.8	750.2	783.9
17.5°	383.9	398.0	416.6	435.1	453.1	471.7	506.3	540.9	575.6	610.2	645.8
20°	263.4	266.3	275.1	284.4	293.2	301.9	333.2	364.9	396.1	427.3	474.1
22.5°	214.6	216.1	220.5	224.9	228.8	233.2	249.3	265.8	281.9	298.0	336.1
25°	190.2	190.2	193.2	196.1	199.0	201.9	210.7	219.5	227.8	236.6	261.0
27.5°	168.8	166.3	170.7	175.1	179.5	183.9	190.2	197.1	203.4	209.7	226.3
30°	161.5	159.0	164.4	169.7	175.1	180.5	186.8	193.2	199.0	205.4	216.6
32.5°	171.2	171.7	173.6	175.6	177.1	179.0	181.9	185.4	188.3	191.2	201.0
35°	136.1	136.1	139.5	142.9	145.8	149.3	154.6	160.0	165.4	170.7	181.0
37.5°	132.2	133.2	136.1	139.5	142.4	145.4	152.2	159.5	166.3	173.2	181.5
40°	128.3	129.3	133.2	137.1	141.0	144.9	151.7	158.0	164.9	171.2	179.0
42.5°	126.8	127.8	132.7	138.0	142.9	147.8	153.6	159.5	164.9	170.7	181.5
45°	124.9	126.8	132.7	139.0	144.9	150.7	156.1	161.5	166.8	172.2	185.4
47.5°	121.9	124.4	131.2	137.6	144.4	150.7	161.0	171.7	181.9	192.2	198.5
50°	120.0	122.4	129.7	137.1	144.4	151.7	168.3	184.9	201.0	217.5	214.1
52.5°	115.1	118.0	127.3	136.6	145.8	155.1	169.7	184.4	199.0	213.6	206.8
55°	105.8	108.3	119.0	129.7	140.0	150.7	161.5	172.2	182.4	193.2	185.4
57.5°	96.6	99.5	109.7	120.0	129.7	140.0	145.4	150.7	156.1	161.5	158.5
60°	87.8	90.7	104.4	118.0	131.7	145.4	140.5	135.6	130.2	125.4	128.8
62.5°	79.5	82.4	95.6	108.3	121.5	134.1	127.3	120.5	113.7	106.8	112.2
65°	70.2	73.2	78.0	83.4	88.3	93.2	92.7	91.7	91.2	90.2	96.1
67.5°	60.5	62.9	65.4	68.3	70.7	73.2	74.6	76.6	78.0	79.5	84.4
70°	52.7	55.1	58.0	60.5	63.4	65.8	66.8	67.8	68.3	69.3	73.7
72.5°	43.9	45.9	49.8	53.7	57.1	61.0	61.5	61.5	61.9	61.9	65.4
75°	38.0	39.5	42.4	45.4	47.8	50.7	52.2	53.7	54.6	56.1	58.0
77.5°	33.7	35.6	36.6	37.1	38.0	38.5	39.5	40.5	41.5	42.4	42.9
80°	24.9	27.3	28.3	28.8	29.8	30.2	30.2	29.8	29.8	29.3	29.8
82.5°	7.8	8.8	10.2	11.7	13.2	14.6	15.1	15.6	15.6	16.1	15.6
85°	1.5	2.0	2.9	3.9	4.4	5.4	4.9	3.9	3.4	2.4	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P367711  
 CATALOG NUMBER: MSA-SA3A-740-U-SLR-HSS

**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: P367711  
 CATALOG NUMBER: MSA-SA3A-740-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2
2.5°	1127.3	1141.4	1156.0	1150.2	1144.3	1138.5	1132.6	1133.6	1135.1	1136.0	1137.0
5°	1107.3	1106.3	1105.8	1122.4	1139.4	1156.0	1172.6	1190.7	1209.2	1227.2	1245.3
7.5°	967.7	965.8	964.3	985.8	1007.3	1028.7	1050.2	1075.1	1100.4	1125.3	1150.2
10°	869.2	873.1	877.0	885.8	895.1	903.8	912.6	936.5	960.4	983.8	1007.7
12.5°	903.8	931.2	959.0	964.3	969.2	974.6	979.5	982.9	986.3	989.7	993.1
15°	818.0	851.7	885.3	899.5	913.1	927.3	940.9	977.0	1012.6	1048.7	1084.3
17.5°	681.4	716.5	752.2	794.6	837.0	879.5	921.9	960.9	999.9	1039.0	1078.0
20°	521.4	568.3	615.1	668.7	722.9	776.5	830.2	869.2	907.8	946.8	985.3
22.5°	374.6	412.7	450.7	515.6	580.0	644.8	709.2	777.0	845.3	913.1	980.9
25°	285.3	309.3	333.6	397.5	461.4	524.8	588.7	681.9	775.1	868.2	961.4
27.5°	242.4	259.0	275.1	332.7	390.2	447.3	504.8	615.6	726.3	837.0	947.7
30°	228.3	239.5	250.7	299.5	348.8	397.5	446.3	558.5	670.7	782.9	895.1
32.5°	210.7	220.0	229.7	272.7	315.6	358.0	401.0	510.7	620.5	729.7	839.5
35°	190.7	201.0	210.7	253.6	296.6	339.0	381.9	495.6	609.2	722.9	836.5
37.5°	189.3	197.5	205.4	255.1	305.3	355.1	404.9	518.5	632.2	745.3	859.0
40°	187.3	195.1	202.9	253.6	303.9	354.6	404.9	523.9	642.9	761.9	880.9
42.5°	192.2	202.4	213.2	258.0	302.9	347.3	392.2	517.5	642.9	767.8	893.1
45°	199.0	212.2	225.4	266.3	307.3	348.3	389.2	525.3	661.4	797.0	933.1
47.5°	205.4	211.7	218.0	257.1	295.6	334.6	373.1	512.2	651.2	790.2	929.2
50°	211.2	207.8	204.4	247.3	290.2	332.7	375.6	508.3	640.4	773.1	905.3
52.5°	199.5	192.7	185.4	231.2	277.1	322.4	368.3	501.9	635.6	769.2	902.9
55°	177.6	169.7	161.9	207.3	252.2	297.5	342.4	475.6	608.7	741.9	875.1
57.5°	155.1	152.2	148.8	183.4	218.0	252.2	286.8	434.6	582.9	730.7	878.5
60°	132.2	135.1	138.5	163.4	188.3	212.7	237.5	382.4	526.8	671.7	816.0
62.5°	117.1	122.4	127.3	148.3	169.7	190.7	211.7	348.3	484.8	621.4	758.0
65°	102.4	108.3	114.1	139.0	164.4	189.3	214.1	329.7	445.3	560.9	676.5
67.5°	89.3	93.7	98.5	131.2	163.9	196.6	229.3	323.9	418.0	512.7	606.8
70°	78.0	81.9	86.3	124.4	162.4	200.5	238.5	319.0	400.0	480.5	560.9
72.5°	68.8	72.2	75.6	114.1	152.7	191.2	229.7	301.4	372.7	444.4	515.6
75°	60.0	61.5	63.4	96.1	128.3	161.0	193.2	241.0	289.3	337.1	384.9
77.5°	43.4	43.4	43.9	53.7	62.9	72.7	81.9	111.7	141.5	170.7	200.5
80°	29.8	30.2	30.2	34.1	37.6	41.5	44.9	51.2	57.1	63.4	69.3
82.5°	15.1	14.1	13.7	17.6	21.5	25.4	29.3	30.7	31.7	33.2	34.1
85°	1.5	0.5	0.0	2.4	4.9	7.3	9.8	11.7	13.7	15.6	17.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P367711  
 CATALOG NUMBER: MSA-SA3A-740-U-SLR-HSS

**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: P367711

CATALOG NUMBER: MSA-SA3A-740-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2
2.5°	1133.1	1129.2	1125.3	1121.4	1145.3	1169.7	1193.6	1217.5	1285.3	1329.7	1324.8
5°	1262.9	1280.4	1298.0	1315.5	1343.8	1372.6	1400.9	1429.2	1529.7	1591.1	1599.9
7.5°	1177.5	1204.3	1231.6	1258.5	1313.1	1367.2	1421.9	1476.0	1558.4	1622.3	1658.4
10°	1038.5	1069.2	1099.4	1130.2	1191.6	1253.6	1315.0	1376.5	1469.2	1557.5	1602.8
12.5°	1041.4	1089.7	1138.0	1186.3	1239.9	1293.6	1346.7	1400.4	1457.0	1486.7	1550.6
15°	1122.4	1160.4	1198.5	1236.5	1306.8	1377.0	1446.7	1517.0	1550.6	1622.3	1697.0
17.5°	1152.1	1226.8	1300.9	1375.0	1462.8	1550.2	1638.0	1725.3	1788.7	1888.2	1965.2
20°	1097.0	1208.7	1319.9	1431.6	1552.1	1672.6	1793.1	1913.5	1982.8	2077.4	2196.5
22.5°	1099.4	1218.0	1336.0	1454.5	1620.9	1786.7	1953.1	2118.9	2304.7	2487.2	2545.2
25°	1116.5	1271.6	1426.3	1581.4	1773.6	1965.7	2157.9	2350.1	2574.5	2766.2	2843.2
27.5°	1122.4	1297.0	1471.1	1645.8	1918.9	2192.1	2465.2	2738.4	3006.2	3222.7	3305.2
30°	1108.2	1321.9	1535.0	1748.2	2083.3	2418.4	2753.5	3088.6	3342.7	3594.9	3697.3
32.5°	1111.6	1383.8	1656.0	1928.2	2322.8	2717.9	3112.5	3507.1	3669.5	3896.8	4077.3
35°	1135.1	1433.6	1731.6	2030.1	2466.7	2903.2	3339.8	3776.4	4042.7	4282.7	4435.8
37.5°	1189.7	1520.4	1850.6	2181.3	2717.9	3254.9	3791.5	4328.0	4740.2	5152.4	5222.6
40°	1230.2	1579.4	1928.7	2277.9	2900.8	3523.7	4146.6	4769.5	5235.8	5683.1	5730.9
42.5°	1276.0	1658.4	2041.3	2423.8	3120.3	3816.8	4513.4	5209.9	5749.9	6206.0	6237.7
45°	1326.3	1719.9	2113.0	2506.2	3235.9	3965.1	4694.8	5424.1	6054.8	6584.5	6465.0
47.5°	1350.2	1771.1	2192.1	2613.0	3395.4	4177.3	4959.7	5741.6	6307.4	6774.7	6635.2
50°	1368.7	1831.6	2295.0	2757.9	3578.3	4398.8	5219.2	6039.6	6606.9	7038.1	6819.6
52.5°	1420.9	1938.4	2456.4	2974.0	3846.6	4718.7	5591.4	6463.5	7012.3	7408.3	7102.0
55°	1471.6	2067.7	2664.2	3260.3	4198.8	5137.7	6076.2	7014.7	7561.0	7900.5	7484.4
57.5°	1535.5	2193.0	2850.1	3507.1	4511.0	5514.8	6518.2	7522.0	8056.1	8431.2	7999.0
60°	1518.9	2221.3	2924.2	3626.6	4649.0	5671.4	6693.8	7716.1	8350.7	8811.7	8518.5
62.5°	1454.5	2151.1	2847.1	3543.7	4548.0	5551.9	6556.2	7560.0	8320.5	8944.8	8846.3
65°	1324.3	1971.6	2619.4	3266.6	4225.6	5185.1	6144.0	7103.0	8041.5	8836.1	8871.2
67.5°	1153.1	1699.4	2245.2	2791.5	3686.1	4580.7	5474.8	6369.4	7477.1	8403.9	8508.3
70°	971.6	1381.9	1792.6	2202.8	2990.1	3777.3	4564.1	5351.4	6503.0	7435.7	7632.7
72.5°	779.0	1042.9	1306.3	1569.7	2137.9	2705.7	3274.0	3841.7	4854.8	5578.7	5922.6
75°	504.8	624.8	744.8	864.8	1243.3	1621.4	1999.9	2377.9	3050.6	3583.7	3972.4
77.5°	224.9	249.3	273.2	297.5	589.7	881.9	1174.1	1466.3	1758.4	2080.4	2171.6
80°	80.5	91.2	102.4	113.2	256.6	400.5	543.9	687.3	828.7	995.1	1035.5
82.5°	33.7	33.7	33.2	32.7	83.9	135.1	186.3	237.5	274.6	315.6	323.4
85°	13.7	10.2	6.3	2.4	10.7	19.5	27.8	36.1	58.0	52.7	97.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P367711  
 CATALOG NUMBER: MSA-SA3A-740-U-SLR-HSS

**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: P367711

CATALOG NUMBER: MSA-SA3A-740-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2
2.5°	1306.3	1305.3	1304.3	1303.3	1302.4	1284.8	1267.7	1250.2	1233.1	1254.6	1276.0
5°	1585.8	1611.1	1636.5	1662.3	1687.7	1695.0	1702.3	1709.7	1717.0	1732.6	1748.2
7.5°	1688.7	1731.6	1774.0	1817.0	1859.4	1898.9	1937.9	1977.4	2017.0	2007.2	1997.4
10°	1653.1	1730.6	1808.2	1886.2	1963.8	1980.9	1997.9	2015.5	2032.6	2077.0	2121.3
12.5°	1614.5	1707.7	1800.9	1894.0	1987.2	2038.9	2090.1	2141.8	2193.5	2238.4	2283.3
15°	1797.5	1857.0	1916.5	1976.5	2036.0	2081.3	2126.2	2171.6	2216.5	2247.7	2278.4
17.5°	2037.9	2067.2	2096.5	2126.2	2155.5	2191.1	2226.7	2262.3	2297.9	2316.4	2335.0
20°	2292.1	2304.7	2317.4	2330.1	2342.8	2314.5	2286.2	2257.9	2229.6	2247.2	2264.3
22.5°	2547.2	2551.6	2556.4	2560.8	2565.2	2499.4	2433.5	2367.7	2301.8	2274.0	2246.2
25°	2939.8	2907.6	2875.4	2843.2	2811.1	2733.0	2655.0	2576.9	2498.9	2430.1	2361.3
27.5°	3365.2	3255.9	3147.1	3037.9	2929.1	2851.1	2773.0	2695.0	2616.9	2513.5	2410.1
30°	3793.9	3617.8	3442.2	3266.1	3090.5	2997.9	2905.2	2812.0	2719.4	2615.9	2513.0
32.5°	4187.1	3975.4	3763.7	3551.5	3339.8	3183.7	3027.6	2871.5	2715.4	2643.3	2571.1
35°	4512.9	4262.7	4012.4	3761.7	3511.5	3356.9	3202.2	3047.6	2893.0	2785.7	2678.9
37.5°	5069.9	4788.5	4507.1	4225.6	3944.2	3733.0	3522.2	3311.0	3099.8	3028.1	2956.4
40°	5583.6	5229.0	4874.3	4519.7	4165.1	3988.1	3811.5	3634.4	3457.8	3340.3	3223.2
42.5°	5991.8	5618.2	5245.1	4871.4	4497.8	4322.7	4148.0	3972.9	3797.8	3719.3	3641.2
45°	6080.1	5728.0	5376.3	5024.1	4671.9	4570.0	4468.5	4366.6	4265.1	4211.0	4157.3
47.5°	6254.3	5872.3	5490.9	5109.0	4727.0	4681.2	4635.3	4589.0	4543.1	4569.0	4594.9
50°	6351.8	5962.1	5572.4	5182.6	4792.9	4806.1	4818.7	4831.9	4845.1	5028.5	5211.4
52.5°	6541.1	6147.4	5753.8	5360.2	4966.5	5049.5	5131.9	5214.8	5297.2	5549.9	5802.1
55°	6879.1	6492.3	6105.5	5718.2	5331.4	5440.7	5549.9	5659.7	5768.9	6037.2	6305.0
57.5°	7380.1	6996.2	6612.8	6228.9	5845.5	5954.3	6063.1	6171.8	6280.6	6523.0	6765.0
60°	8010.7	7616.6	7223.0	6828.9	6435.2	6476.2	6516.7	6557.7	6598.6	6859.1	7119.1
62.5°	8501.9	8139.5	7777.6	7415.2	7053.2	7007.9	6963.0	6917.6	6872.8	7070.8	7268.4
65°	8616.1	8361.0	8106.4	7851.2	7596.1	7456.6	7317.6	7178.1	7038.6	7118.6	7198.6
67.5°	8289.3	8117.1	7945.4	7773.2	7601.0	7309.8	7018.6	6726.9	6435.7	6393.3	6350.8
70°	7530.8	7436.6	7343.0	7248.8	7155.2	6706.4	6258.2	5809.4	5361.1	5253.3	5145.5
72.5°	5942.6	6001.1	6059.6	6118.7	6177.2	5696.7	5216.8	4736.3	4255.8	4119.3	3983.2
75°	4190.5	4389.0	4587.5	4786.1	4984.6	4546.6	4109.0	3671.0	3233.0	3101.8	2971.0
77.5°	2272.1	2644.2	3016.4	3388.6	3760.8	3399.3	3038.4	2676.9	2315.5	2224.3	2133.5
80°	1077.0	1291.6	1505.8	1720.4	1935.0	1853.5	1772.1	1690.1	1608.7	1628.7	1648.7
82.5°	330.2	485.3	640.4	795.6	950.7	962.9	974.6	986.8	999.0	1029.2	1059.0
85°	110.7	151.7	192.7	233.6	274.6	346.8	419.0	491.7	563.9	517.0	470.7
87.5°	0.0	1.5	2.4	3.9	4.9	15.1	25.4	35.6	45.9	39.5	33.7
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: P367711  
 CATALOG NUMBER: MSA-SA3A-740-U-SLR-HSS

**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: P367711

CATALOG NUMBER: MSA-SA3A-740-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2
2.5°	1298.0	1319.4	1319.9	1320.9	1321.4	1321.9	1324.3	1326.8	1329.7	1332.1	1316.0
5°	1764.3	1779.9	1751.1	1722.3	1693.1	1664.3	1690.1	1716.0	1741.8	1767.7	1756.5
7.5°	1987.2	1977.4	1974.0	1971.1	1967.7	1964.8	1974.5	1984.3	1994.0	2003.8	2002.8
10°	2165.7	2210.1	2220.8	2231.6	2242.8	2253.5	2231.1	2208.7	2186.2	2163.8	2154.5
12.5°	2328.2	2373.0	2408.6	2444.2	2480.3	2515.9	2483.8	2452.1	2419.9	2388.2	2357.9
15°	2309.6	2340.3	2369.6	2398.9	2428.1	2457.4	2446.7	2436.4	2425.7	2415.0	2410.1
17.5°	2354.0	2372.5	2365.7	2358.9	2351.6	2344.7	2341.3	2338.4	2335.0	2331.6	2319.9
20°	2281.8	2299.4	2295.0	2291.1	2286.7	2282.3	2279.4	2276.5	2273.5	2270.6	2261.3
22.5°	2218.4	2190.6	2183.3	2176.5	2169.1	2162.3	2163.3	2164.3	2164.8	2165.7	2207.7
25°	2292.5	2223.8	2196.9	2170.1	2142.8	2116.0	2128.2	2139.9	2152.1	2164.3	2224.7
27.5°	2306.2	2202.8	2159.9	2116.9	2074.0	2031.1	2075.0	2118.9	2162.8	2206.7	2304.7
30°	2409.6	2306.7	2246.7	2187.2	2127.2	2067.7	2123.8	2179.9	2236.0	2292.1	2398.4
32.5°	2498.4	2426.2	2383.3	2340.3	2297.4	2254.5	2256.9	2258.9	2261.3	2263.8	2413.5
35°	2571.6	2464.7	2425.7	2387.2	2348.2	2309.6	2367.7	2425.7	2483.8	2541.8	2676.4
37.5°	2884.7	2813.0	2741.3	2670.1	2598.4	2527.2	2573.5	2619.8	2666.7	2713.0	2861.8
40°	3105.7	2988.6	2970.1	2952.0	2933.5	2915.4	2939.3	2962.8	2986.7	3010.6	3140.8
42.5°	3562.7	3484.2	3433.9	3384.2	3333.9	3284.2	3303.2	3322.2	3341.8	3360.8	3484.2
45°	4103.2	4049.0	4015.9	3982.7	3949.0	3915.9	3887.1	3858.8	3830.0	3801.7	3927.1
47.5°	4620.7	4646.6	4719.7	4792.4	4865.6	4938.2	4878.7	4819.2	4759.2	4699.7	4700.2
50°	5394.8	5577.7	5614.8	5651.4	5688.4	5725.0	5598.2	5471.4	5344.1	5217.3	5202.1
52.5°	6054.8	6306.9	6320.1	6333.3	6346.9	6360.1	6308.9	6257.7	6206.0	6154.8	6018.7
55°	6573.3	6841.1	6859.1	6876.7	6894.7	6912.3	6867.4	6823.0	6778.1	6733.3	6595.7
57.5°	7007.4	7249.3	7260.1	7270.3	7281.0	7291.8	7295.2	7298.6	7302.5	7305.9	7120.1
60°	7379.6	7640.0	7618.6	7597.6	7576.1	7555.2	7523.0	7490.8	7458.6	7426.4	7306.4
62.5°	7466.4	7664.4	7631.3	7598.6	7565.4	7532.7	7505.4	7478.6	7451.3	7424.0	7347.4
65°	7278.6	7358.6	7324.4	7290.3	7255.7	7221.5	7204.0	7186.9	7169.3	7151.8	7142.0
67.5°	6307.9	6265.5	6306.0	6346.5	6386.9	6427.4	6482.5	6537.7	6593.3	6648.4	6616.2
70°	5037.3	4929.5	4974.3	5018.7	5063.6	5108.0	5191.4	5274.8	5358.7	5442.1	5419.7
72.5°	3846.6	3710.0	3716.4	3722.7	3729.5	3735.9	3733.4	3731.5	3729.0	3726.6	3765.6
75°	2839.8	2708.6	2646.7	2584.7	2522.8	2460.8	2445.7	2430.6	2415.5	2400.3	2473.0
77.5°	2042.3	1951.6	1909.2	1867.2	1824.8	1782.8	1804.3	1825.7	1847.7	1869.2	1894.5
80°	1669.2	1689.2	1656.5	1624.3	1591.6	1558.9	1583.3	1607.2	1631.6	1656.0	1580.4
82.5°	1089.2	1119.0	1018.5	918.0	817.5	717.0	778.0	839.0	900.4	961.4	930.2
85°	423.9	377.5	321.9	266.8	211.2	155.6	202.4	249.3	296.1	342.9	374.1
87.5°	27.3	21.5	17.1	12.7	7.8	3.4	7.3	11.2	15.6	19.5	32.7
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: P367711  
 CATALOG NUMBER: MSA-SA3A-740-U-SLR-HSS

**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: P367711

CATALOG NUMBER: MSA-SA3A-740-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2	1031.2
2.5°	1300.4	1284.3	1268.7	1238.0	1207.2	1176.5	1145.8	1188.7	1231.6	1274.6	1317.5
5°	1745.8	1734.5	1723.8	1726.7	1729.7	1733.1	1736.0	1742.3	1748.7	1754.5	1760.9
7.5°	2002.3	2001.3	2000.4	1977.9	1955.5	1932.6	1910.1	1921.3	1932.6	1943.8	1955.0
10°	2145.7	2136.5	2127.2	2077.9	2028.7	1978.9	1929.6	1908.2	1886.2	1864.8	1843.3
12.5°	2327.7	2296.9	2266.7	2214.0	2161.8	2109.1	2056.5	2037.0	2017.0	1997.4	1977.4
15°	2405.7	2400.8	2396.4	2358.9	2320.8	2283.3	2245.2	2178.4	2111.1	2044.3	1977.4
17.5°	2308.2	2296.0	2284.3	2343.8	2402.8	2462.3	2521.8	2452.5	2383.3	2314.0	2244.7
20°	2252.1	2242.8	2233.5	2344.3	2454.5	2565.2	2675.5	2644.7	2613.5	2582.8	2552.0
22.5°	2249.6	2292.1	2334.0	2431.1	2527.7	2624.7	2721.3	2774.5	2828.1	2881.3	2934.5
25°	2285.2	2346.2	2406.7	2567.7	2728.6	2890.1	3051.0	3112.0	3172.5	3233.5	3294.0
27.5°	2402.3	2500.3	2597.9	2738.4	2878.9	3019.8	3160.3	3293.5	3427.1	3560.3	3693.4
30°	2504.2	2610.6	2716.9	2884.2	3051.0	3218.3	3385.2	3552.0	3718.8	3885.6	4052.4
32.5°	2563.3	2713.5	2863.2	3066.6	3269.6	3473.0	3676.4	3859.3	4042.2	4224.6	4407.5
35°	2811.1	2946.2	3080.8	3305.7	3530.5	3755.9	3980.7	4207.1	4433.4	4659.2	4885.6
37.5°	3010.6	3159.8	3308.6	3554.4	3799.8	4045.6	4291.5	4604.1	4917.3	5229.9	5542.6
40°	3271.0	3401.3	3531.5	3761.7	3991.5	4221.7	4451.9	4848.5	5245.1	5641.1	6037.7
42.5°	3607.1	3730.5	3853.9	4100.2	4346.6	4592.9	4839.2	5278.2	5717.2	6155.7	6594.7
45°	4052.4	4178.3	4303.6	4499.7	4695.8	4891.9	5088.0	5554.8	6021.1	6487.9	6954.2
47.5°	4700.7	4701.2	4701.7	4843.1	4984.6	5126.5	5268.0	5738.2	6207.9	6678.1	7147.9
50°	5187.0	5171.4	5156.3	5229.4	5302.1	5375.3	5448.5	5881.1	6314.3	6746.9	7179.6
52.5°	5883.1	5747.0	5611.4	5654.8	5697.7	5741.1	5784.0	6150.4	6517.2	6883.5	7249.8
55°	6458.6	6321.1	6183.5	6167.4	6151.3	6135.2	6119.2	6456.2	6793.3	7130.3	7467.4
57.5°	6934.7	6748.9	6563.5	6526.4	6489.9	6452.8	6415.7	6771.3	7126.4	7482.0	7837.1
60°	7186.9	7066.9	6946.9	6923.0	6898.6	6874.7	6850.3	7142.0	7433.7	7725.4	8017.1
62.5°	7271.3	7194.7	7118.6	7163.5	7208.4	7253.7	7298.6	7426.9	7554.7	7683.0	7810.8
65°	7132.7	7123.0	7113.2	7205.4	7297.1	7389.3	7481.5	7449.8	7417.6	7385.9	7354.2
67.5°	6584.5	6552.3	6520.6	6723.0	6925.0	7127.4	7329.8	7176.2	7022.0	6868.4	6714.7
70°	5397.2	5374.3	5351.9	5643.6	5935.3	6227.4	6519.1	6332.8	6146.5	5960.1	5773.8
72.5°	3804.2	3843.2	3882.2	4226.1	4569.5	4913.4	5256.8	5069.0	4881.2	4693.4	4505.6
75°	2545.2	2617.9	2690.6	3044.7	3398.8	3753.4	4107.6	3887.1	3666.6	3446.1	3225.7
77.5°	1919.9	1945.3	1970.6	2194.5	2418.4	2642.8	2866.7	2684.7	2502.3	2320.4	2137.9
80°	1504.8	1428.7	1353.1	1426.7	1500.4	1574.1	1647.7	1538.9	1430.2	1321.9	1213.1
82.5°	899.0	867.8	836.5	876.5	916.0	956.0	996.0	949.2	901.9	855.1	807.8
85°	404.9	436.1	466.8	507.3	547.3	587.8	628.3	562.9	497.5	432.2	366.8
87.5°	45.4	58.5	71.7	88.8	105.8	122.9	140.0	109.3	78.0	47.3	16.6
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: P367711  
 CATALOG NUMBER: MSA-SA3A-740-U-SLR-HSS

**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: P367711  
 CATALOG NUMBER: MSA-SA3A-740-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	1031.2	1031.2
2.5°	1342.4	1367.2
5°	1760.4	1759.4
7.5°	1925.7	1896.0
10°	1816.0	1788.7
12.5°	1907.7	1837.9
15°	1924.8	1872.1
17.5°	2158.9	2072.6
20°	2441.3	2330.1
22.5°	2782.3	2629.6
25°	3112.5	2931.0
27.5°	3584.7	3475.4
30°	3942.2	3831.5
32.5°	4332.4	4257.3
35°	4810.9	4735.8
37.5°	5562.1	5581.1
40°	6049.4	6061.1
42.5°	6640.1	6685.5
45°	7005.0	7055.7
47.5°	7218.6	7289.3
50°	7293.7	7407.9
52.5°	7390.8	7531.3
55°	7623.9	7780.5
57.5°	7962.0	8086.8
60°	8022.9	8028.8
62.5°	7720.5	7630.3
65°	7258.1	7162.0
67.5°	6656.7	6598.1
70°	5696.7	5619.7
72.5°	4362.2	4218.8
75°	3048.1	2870.6
77.5°	2044.8	1951.6
80°	1216.0	1218.5
82.5°	830.2	852.1
85°	362.4	357.5
87.5°	11.7	6.3
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0



REPORT NUMBER: P367711  
CATALOG NUMBER: MSA-SA3A-740-U-SLR-HSS

**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)