

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: P368195

Luminaire Tested: **MSA-SA4A-727-U-SLR-HSS**

Issue Date: 12/2/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P368195  
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-SA4A-727-U-SLR-HSS  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

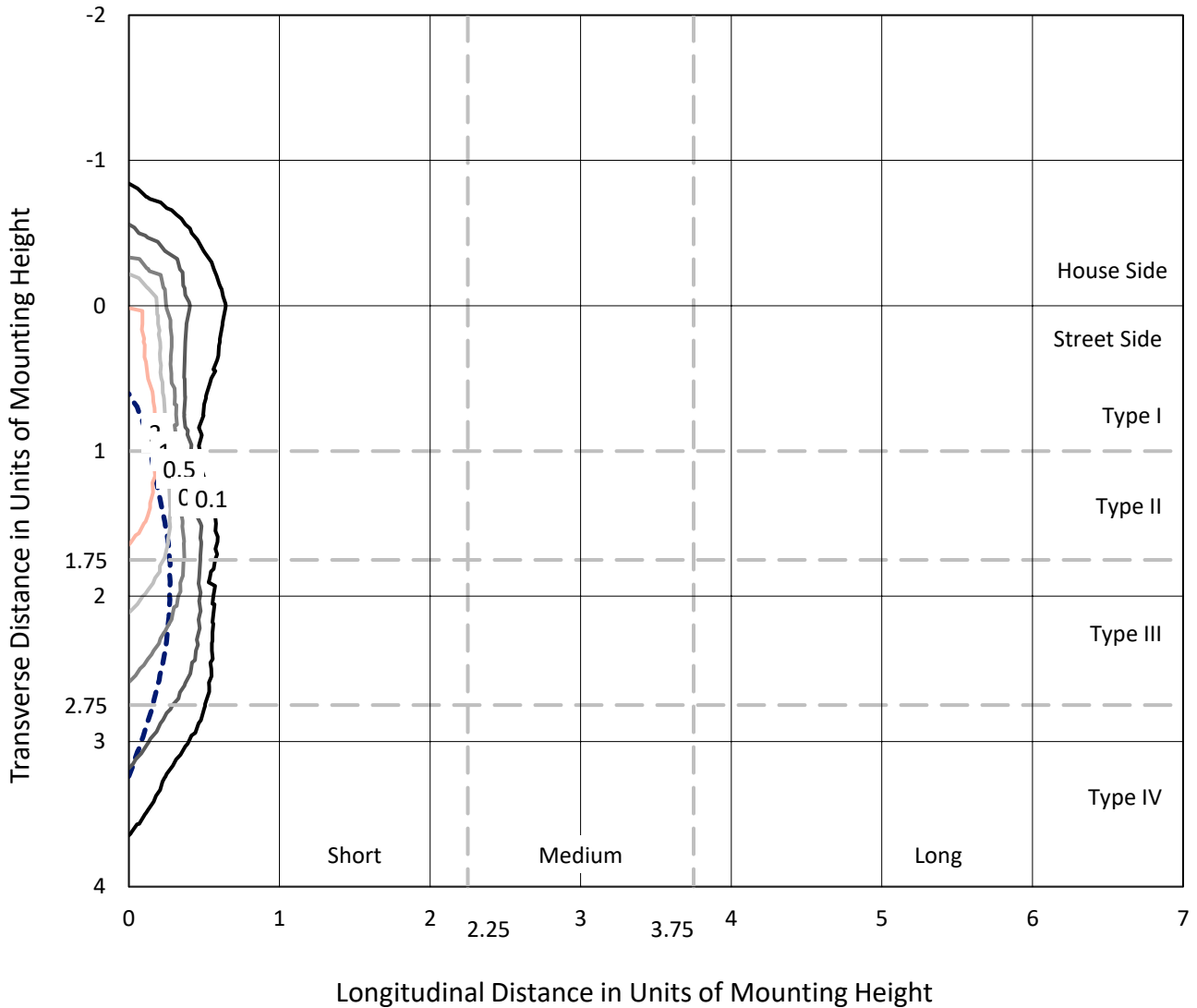
Lumens per Lamp: N/A  
Luminaire Lumens: 9458 lumens  
Efficiency: N/A  
Efficacy: 73.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 129  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

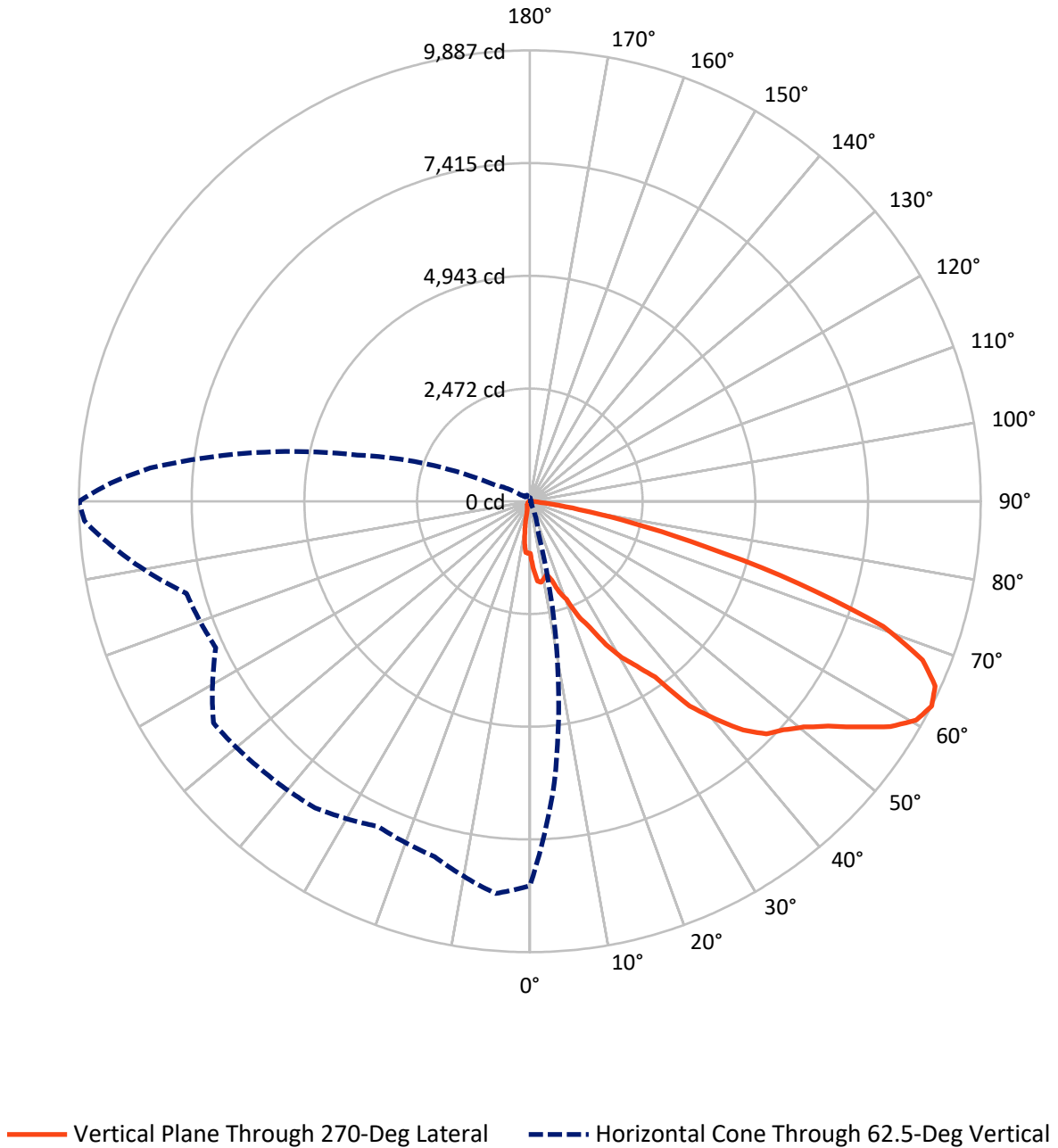
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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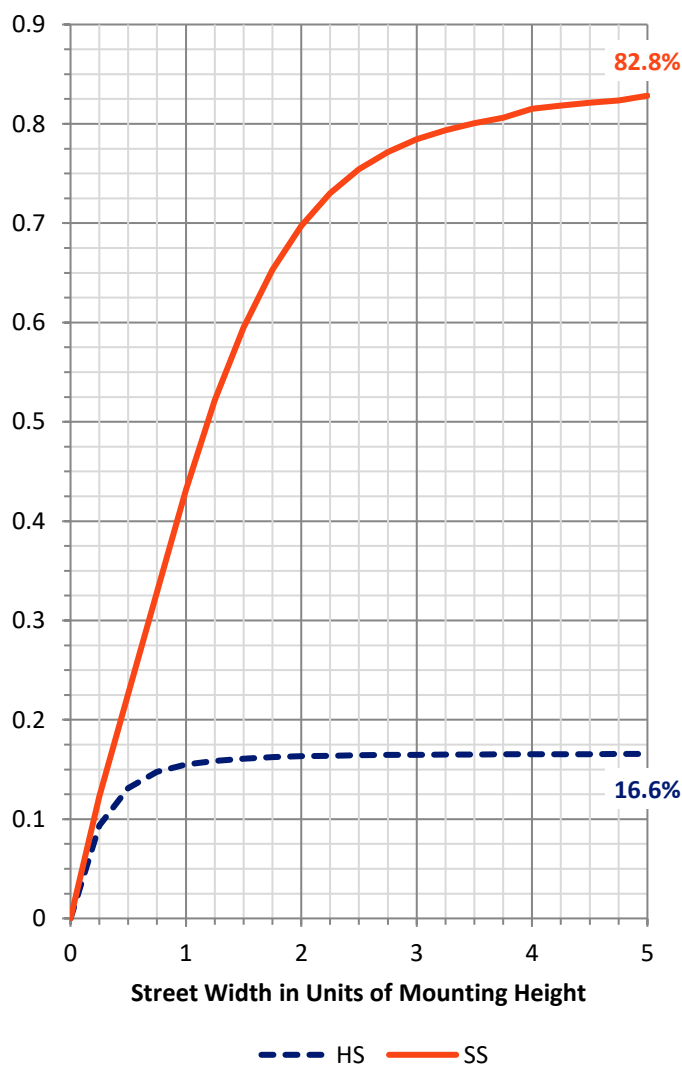
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1579.4	0.0	1579.4
	% Fixture	16.7	0.0	16.7
<b>Street Side</b>	Lumens	7878.6	0.0	7878.6
	% Fixture	83.3	0.0	83.3
<b>Total</b>	Lumens	9458.0	0.0	9458.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.3	1.3
10°-20°	332.6	3.5
20°-30°	537.6	5.7
30°-40°	900.5	9.5
40°-50°	1472.1	15.6
50°-60°	2179.2	23.0
60°-70°	2501.7	26.5
70°-80°	1237.0	13.1
80°-90°	169.9	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°	9458.0	100.0
0°-180°	9458.0	100.0

**Coefficient of Utilization**

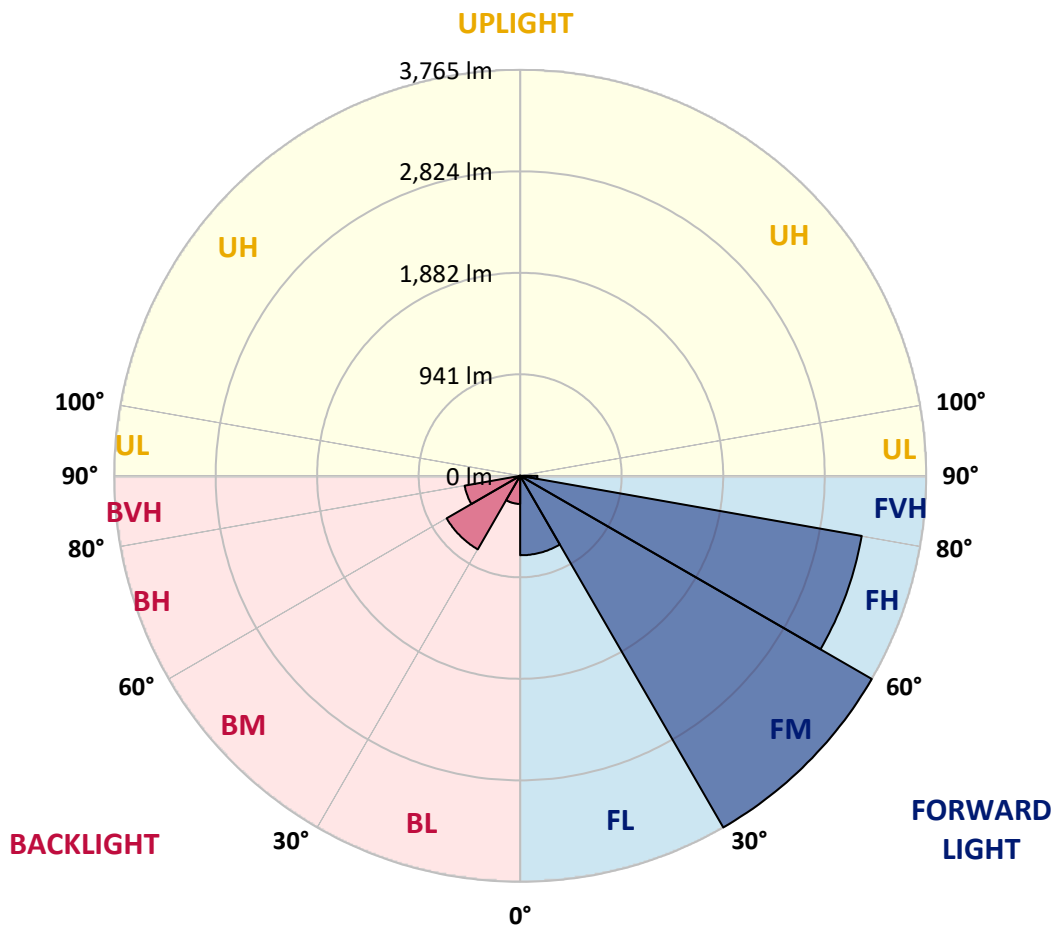


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	736.8	7.8			
FM (30°-60°)	3764.8	39.8			
FH (60°-80°)	3216.2	34.0			G2/5000
FVH (80°-90°)	160.9	1.7			G2/225
BL (0°-30°)	260.8	2.8	B1/500		
BM (30°-60°)	787.0	8.3	B1/1000		
BH (60°-80°)	522.5	5.5	B2/1000		G2/1000
BVH (80°-90°)	9.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-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°	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7
2.5°	1511.2	1530.1	1548.4	1513.4	1478.3	1443.3	1408.2	1377.0	1345.7	1313.9	1282.6
5°	1944.7	1910.2	1875.7	1828.2	1780.8	1733.3	1685.9	1663.8	1641.7	1619.6	1597.5
7.5°	2095.6	2034.2	1972.2	1930.1	1888.6	1846.5	1804.5	1738.2	1671.3	1605.0	1538.2
10°	1977.0	1911.8	1846.0	1809.3	1772.7	1736.0	1699.4	1616.9	1533.8	1451.4	1368.3
12.5°	2031.5	1960.8	1890.2	1814.7	1739.3	1663.8	1588.3	1525.2	1461.6	1398.5	1334.9
15°	2069.2	1988.3	1906.9	1820.7	1734.4	1648.1	1561.9	1487.5	1413.6	1339.2	1264.8
17.5°	2290.8	2174.9	2059.0	1926.3	1793.7	1661.1	1528.5	1442.2	1356.5	1270.2	1183.9
20°	2575.5	2411.0	2246.0	2066.5	1887.0	1707.4	1527.9	1420.6	1313.3	1206.0	1098.8
22.5°	2906.5	2701.1	2495.1	2273.5	2052.5	1830.9	1609.3	1455.1	1300.9	1146.7	992.5
25°	3239.7	3054.2	2868.7	2570.6	2272.5	1973.8	1675.6	1479.9	1283.7	1088.0	891.7
27.5°	3841.3	3509.8	3178.2	2798.7	2419.6	2040.1	1660.5	1436.3	1212.0	987.2	762.9
30°	4234.9	3979.9	3724.4	3223.0	2722.1	2220.7	1719.3	1435.2	1151.1	866.4	582.3
32.5°	4705.6	4332.5	3958.9	3414.9	2870.9	2326.9	1782.9	1449.2	1114.9	781.2	446.9
35°	5234.5	4828.5	4422.5	3733.5	3044.5	2354.9	1665.9	1342.4	1019.0	695.5	372.0
37.5°	6168.8	5489.5	4810.2	4006.9	3203.0	2399.7	1595.8	1272.9	949.4	626.5	303.0
40°	6699.3	6050.7	5402.1	4398.3	3394.4	2390.5	1386.7	1099.8	813.6	526.7	239.9
42.5°	7389.4	6566.7	5743.4	4621.5	3499.5	2377.6	1255.6	990.4	725.1	459.3	194.1
45°	7798.6	6866.4	5934.3	4718.5	3502.8	2287.0	1071.3	841.6	611.9	382.2	152.6
47.5°	8056.8	7122.0	6187.1	4881.9	3577.2	2271.9	966.7	755.3	544.0	332.6	121.3
50°	8187.9	7250.3	6312.2	4970.8	3629.5	2287.6	946.2	735.9	525.1	314.9	104.1
52.5°	8324.3	7420.1	6515.5	5125.0	3734.6	2344.2	953.7	739.2	525.1	310.5	96.0
55°	8599.8	7708.0	6815.8	5346.1	3876.4	2406.7	937.0	725.7	514.3	302.5	91.1
57.5°	8938.3	7985.1	7031.4	5507.8	3984.2	2460.6	937.0	724.6	512.2	299.2	86.8
60°	8874.2	7839.6	6804.4	5326.1	3847.8	2369.0	890.7	688.5	486.8	284.7	82.5
62.5°	8433.7	7310.7	6187.1	4821.0	3454.2	2088.1	721.4	560.2	399.0	237.2	76.0
65°	7916.1	6724.1	5531.5	4274.3	3016.5	1759.2	501.4	393.6	285.2	177.4	69.0
67.5°	7292.9	6021.6	4750.3	3632.2	2514.5	1396.4	278.2	224.3	170.4	115.9	62.0
70°	6211.4	4899.1	3586.3	2726.9	1868.1	1008.7	149.3	126.2	103.0	79.8	56.6
72.5°	4663.0	3460.7	2258.4	1715.5	1173.2	630.2	87.3	78.7	69.5	60.9	51.8
75°	3172.8	2271.9	1371.0	1043.8	717.1	389.8	62.5	58.2	53.4	49.1	44.2
77.5°	2157.1	1560.3	963.4	735.4	507.3	279.3	51.2	48.5	45.8	42.6	39.9
80°	1346.8	921.9	497.1	382.8	268.0	153.7	38.8	37.2	35.6	33.4	31.8
82.5°	941.9	563.4	184.9	144.5	104.1	63.1	22.6	23.2	23.7	23.7	24.3
85°	395.2	213.5	31.8	27.0	22.1	17.3	12.4	13.5	15.1	16.2	17.3
87.5°	7.0	3.8	0.0	1.1	2.7	3.8	4.9	6.5	7.5	9.2	10.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7
2.5°	1290.7	1298.8	1306.3	1314.4	1307.9	1302.0	1295.5	1289.1	1279.4	1270.2	1260.5
5°	1570.5	1543.5	1516.6	1489.6	1448.7	1407.7	1366.2	1325.2	1320.3	1315.5	1310.1
7.5°	1475.1	1412.0	1348.4	1285.3	1226.0	1166.7	1107.4	1048.1	1029.7	1012.0	993.6
10°	1319.8	1271.3	1222.2	1173.7	1131.1	1088.0	1045.4	1002.3	957.5	912.8	867.5
12.5°	1284.2	1233.5	1182.3	1131.6	1092.8	1054.0	1015.2	976.4	926.2	876.1	826.0
15°	1209.8	1154.8	1099.8	1044.8	993.1	941.3	889.0	837.3	776.9	716.5	656.1
17.5°	1118.7	1054.0	988.8	923.5	855.6	787.7	719.7	651.8	582.3	513.3	443.7
20°	1010.3	921.9	833.0	744.5	660.4	576.3	491.7	407.6	363.9	320.8	277.1
22.5°	878.3	763.4	649.1	534.3	465.3	395.7	326.7	257.2	238.3	219.4	200.6
25°	761.8	631.9	501.9	372.0	328.3	284.7	241.0	197.3	188.7	179.5	170.9
27.5°	640.5	518.6	396.3	273.9	249.1	223.7	198.9	173.6	167.7	162.3	156.3
30°	491.2	400.0	308.4	217.3	201.1	184.9	168.2	152.0	149.3	146.1	143.4
32.5°	380.6	313.8	247.5	180.6	171.4	162.3	153.1	143.9	139.6	135.3	130.5
35°	318.1	264.7	210.8	156.9	150.4	143.4	136.9	129.9	125.6	120.8	116.5
37.5°	263.6	224.8	185.5	146.1	139.1	132.1	124.5	117.5	114.3	111.1	107.8
40°	217.3	194.6	172.0	149.3	139.1	128.9	118.6	108.4	105.7	103.0	100.3
42.5°	179.5	165.0	149.9	135.3	127.8	120.8	113.2	105.7	101.9	97.6	93.8
45°	145.0	136.9	129.4	121.3	121.8	122.4	122.4	122.9	113.2	103.0	93.3
47.5°	117.5	113.8	109.4	105.7	110.0	114.3	118.1	122.4	112.1	101.9	91.1
50°	100.8	98.1	94.9	91.7	96.0	100.8	105.1	109.4	105.1	101.4	97.0
52.5°	92.2	88.4	84.6	80.9	82.5	84.6	86.3	87.9	87.9	87.9	87.9
55°	86.8	83.0	78.7	74.4	72.8	70.6	69.0	66.9	64.2	62.0	59.3
57.5°	82.5	78.2	73.3	69.0	66.3	63.1	60.4	57.1	54.5	51.2	48.5
60°	78.2	73.9	69.0	64.7	62.0	59.3	56.1	53.4	50.1	47.4	44.2
62.5°	72.2	68.5	64.7	60.9	58.2	56.1	53.4	50.7	47.4	44.2	40.4
65°	65.8	63.1	59.8	56.6	53.9	51.2	48.5	45.8	42.6	39.9	36.7
67.5°	59.8	57.1	55.0	52.3	49.1	46.4	43.1	39.9	37.7	35.6	32.9
70°	55.0	52.8	51.2	49.1	45.8	43.1	39.9	36.7	35.0	32.9	31.3
72.5°	50.1	48.5	46.4	44.7	42.1	39.4	36.7	34.0	32.3	30.7	29.1
75°	43.1	42.1	41.0	39.9	37.2	34.5	31.3	28.6	28.0	27.5	27.0
77.5°	38.8	38.3	37.2	36.1	33.4	30.7	28.0	25.3	25.9	26.4	26.4
80°	31.8	31.8	31.3	31.3	29.1	27.0	24.3	22.1	23.2	24.8	25.9
82.5°	24.3	24.3	24.3	24.3	22.1	19.9	17.8	15.6	17.3	18.3	19.9
85°	16.7	16.2	15.6	15.1	13.5	12.4	10.8	9.2	11.3	12.9	15.1
87.5°	10.2	10.8	10.8	10.8	9.7	8.1	7.0	5.4	6.5	7.0	8.1
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: P368195  
 CATALOG NUMBER: MSA-SA4A-727-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: P368195  
 CATALOG NUMBER: MSA-SA4A-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7
2.5°	1250.8	1234.6	1218.4	1201.7	1185.6	1147.8	1110.1	1072.3	1034.6	1062.6	1090.1
5°	1305.2	1274.0	1242.2	1210.9	1179.1	1165.1	1151.6	1137.6	1123.6	1125.7	1128.4
7.5°	975.3	954.8	934.3	913.3	892.8	888.5	884.7	880.4	876.1	885.3	893.9
10°	822.7	794.1	765.0	736.5	707.3	691.7	676.1	660.4	644.8	643.2	641.0
12.5°	775.8	732.1	689.0	645.3	601.7	567.7	533.7	499.8	465.8	468.5	471.2
15°	595.7	552.1	508.9	465.3	421.6	394.1	366.1	338.6	310.5	302.5	294.4
17.5°	374.2	341.8	309.5	276.6	244.2	235.1	226.4	217.3	208.1	205.4	202.7
20°	233.4	219.4	205.4	190.9	176.8	174.7	172.5	170.4	168.2	169.8	171.4
22.5°	181.7	175.8	169.3	163.4	156.9	154.7	152.6	150.4	148.3	149.9	151.0
25°	161.7	157.4	153.1	148.8	144.5	142.3	139.6	137.5	134.8	135.9	137.5
27.5°	150.4	146.6	142.9	139.1	135.3	131.5	128.3	124.5	120.8	122.9	124.5
30°	140.2	135.9	132.1	127.8	123.5	119.7	115.9	111.6	107.8	110.0	112.1
32.5°	126.2	122.4	118.1	114.3	110.0	107.8	105.7	103.0	100.8	102.4	103.5
35°	111.6	108.4	105.7	102.4	99.2	97.0	95.4	93.3	91.1	91.7	92.7
37.5°	104.6	100.8	97.0	93.3	89.5	88.4	87.3	85.7	84.6	84.6	84.6
40°	97.6	93.8	90.0	85.7	81.9	80.3	78.7	77.1	75.5	75.5	75.5
42.5°	89.5	85.7	81.9	78.2	74.4	72.8	70.6	69.0	66.9	66.9	66.9
45°	83.0	79.3	76.0	72.2	68.5	65.8	63.1	59.8	57.1	56.6	56.1
47.5°	80.9	75.5	70.1	64.7	59.3	56.6	53.9	50.7	48.0	47.4	46.9
50°	92.7	81.9	71.2	60.4	49.6	47.4	45.3	43.1	41.0	39.9	39.4
52.5°	87.9	76.6	65.2	53.9	42.6	41.0	39.4	37.7	36.1	35.0	34.0
55°	56.6	51.8	47.4	42.6	37.7	36.7	35.6	34.0	32.9	31.8	30.7
57.5°	45.3	42.6	40.4	37.7	35.0	34.0	32.9	31.3	30.2	28.6	27.5
60°	41.0	38.8	36.7	34.5	32.3	31.3	30.2	29.1	28.0	26.4	25.3
62.5°	37.2	35.6	34.0	32.3	30.7	29.7	28.6	27.5	26.4	24.8	23.2
65°	33.4	32.3	31.3	30.2	29.1	28.0	27.0	25.3	24.3	22.6	21.0
67.5°	30.7	30.2	29.7	29.1	28.6	27.5	25.9	24.8	23.2	21.6	19.4
70°	29.1	29.1	29.1	28.6	28.6	27.5	25.9	24.8	23.2	21.0	19.4
72.5°	27.5	28.0	28.6	28.6	29.1	27.5	25.9	24.3	22.6	20.5	18.9
75°	26.4	27.0	27.5	27.5	28.0	27.0	25.9	24.3	23.2	21.0	18.9
77.5°	27.0	27.5	27.5	28.0	28.0	27.0	25.9	24.3	23.2	20.5	17.8
80°	27.0	26.4	25.9	24.8	24.3	22.1	19.9	17.3	15.1	11.9	9.2
82.5°	21.0	19.9	19.4	18.3	17.3	15.1	12.9	10.8	8.6	6.5	4.3
85°	16.7	15.6	15.1	14.0	12.9	11.3	9.2	7.5	5.4	4.3	2.7
87.5°	8.6	8.1	7.0	6.5	5.4	4.3	2.7	1.6	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: P368195  
 CATALOG NUMBER: MSA-SA4A-727-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: P368195  
 CATALOG NUMBER: MSA-SA4A-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7
2.5°	1118.2	1145.7	1141.9	1138.1	1155.9	1173.7	1160.8	1148.4	1135.4	1122.5	1095.5
5°	1130.6	1132.7	1129.0	1124.6	1125.2	1125.7	1117.1	1108.5	1099.8	1091.2	1089.6
7.5°	903.1	911.7	923.5	934.9	935.4	935.4	928.9	922.5	915.5	909.0	912.2
10°	639.4	637.3	640.5	643.7	643.2	642.1	659.4	676.6	693.3	710.6	698.2
12.5°	473.4	476.1	462.6	449.1	454.0	458.3	461.0	463.7	466.4	469.0	476.6
15°	286.3	278.2	268.5	258.8	263.6	268.0	272.8	277.1	282.0	286.3	291.1
17.5°	199.5	196.8	192.5	187.6	188.2	188.7	189.2	189.8	189.8	190.3	191.4
20°	173.1	174.7	171.4	167.7	166.6	165.0	163.9	162.8	161.2	160.1	158.5
22.5°	152.6	153.7	154.2	154.2	152.0	149.3	147.2	145.6	143.4	141.3	140.2
25°	138.6	139.6	138.6	136.9	135.9	134.8	133.7	132.1	131.0	129.4	128.9
27.5°	126.7	128.3	128.3	127.8	126.7	125.1	122.4	120.2	117.5	114.8	115.4
30°	114.3	116.5	116.5	115.9	115.4	114.8	112.1	109.4	106.7	104.1	105.1
32.5°	105.1	106.2	105.7	105.1	105.1	104.6	102.4	100.8	98.7	96.5	96.5
35°	93.3	93.8	93.8	93.8	93.8	93.3	91.7	90.0	88.4	86.8	87.3
37.5°	84.6	84.6	86.3	87.3	86.3	85.2	84.1	82.5	81.4	79.8	79.8
40°	74.9	74.9	76.6	77.6	76.6	75.5	74.9	73.9	73.3	72.2	72.2
42.5°	66.3	66.3	67.9	69.0	69.0	68.5	67.4	66.3	65.2	64.2	64.7
45°	55.5	55.0	57.7	59.8	58.8	57.7	57.7	57.1	57.1	56.6	57.1
47.5°	45.8	45.3	47.4	49.6	49.1	48.0	48.0	48.0	48.0	48.0	48.5
50°	38.3	37.2	39.4	41.0	40.4	39.4	39.4	39.9	39.9	39.9	40.4
52.5°	32.9	31.8	33.4	34.5	34.0	33.4	33.4	34.0	34.0	34.0	34.5
55°	29.1	28.0	29.7	30.7	30.2	29.1	29.7	29.7	30.2	30.2	30.2
57.5°	25.9	24.3	25.3	26.4	26.4	25.9	26.4	26.4	27.0	27.0	27.0
60°	23.7	22.1	23.2	23.7	23.7	23.2	23.7	23.7	24.3	24.3	24.3
62.5°	21.0	19.4	20.5	21.0	21.0	20.5	21.0	21.0	21.6	21.6	21.6
65°	18.9	17.3	17.8	18.3	18.3	18.3	18.9	18.9	19.4	19.4	19.4
67.5°	17.8	15.6	16.2	16.7	16.7	16.7	17.3	17.3	17.8	17.8	18.3
70°	17.3	15.1	15.6	15.6	16.2	16.2	16.2	16.7	16.7	16.7	16.7
72.5°	16.7	14.6	14.6	14.6	15.1	15.1	15.1	15.6	15.6	15.6	15.6
75°	16.7	14.6	14.0	13.5	14.0	14.0	14.0	14.6	14.6	14.6	14.6
77.5°	14.6	11.9	10.8	9.2	10.8	11.9	12.4	12.4	12.9	12.9	12.9
80°	5.9	2.7	1.6	0.0	0.5	1.1	1.6	2.2	2.7	3.2	3.8
82.5°	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.6	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: P368195  
 CATALOG NUMBER: MSA-SA4A-727-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: P368195  
 CATALOG NUMBER: MSA-SA4A-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7
2.5°	1068.6	1041.6	1014.7	1027.6	1040.5	1053.5	1066.4	1065.3	1063.7	1062.6	1061.0
5°	1088.5	1086.9	1085.3	1077.7	1070.7	1063.2	1055.6	1054.0	1051.9	1050.2	1048.1
7.5°	915.5	918.1	921.4	912.8	904.1	895.5	886.9	864.8	842.7	820.0	797.9
10°	685.8	672.8	660.4	659.4	658.3	657.2	656.1	654.0	651.8	649.1	647.0
12.5°	484.7	492.2	499.8	497.1	494.4	491.2	488.5	492.2	496.5	500.3	504.1
15°	295.4	300.3	304.6	314.3	324.0	333.7	343.4	347.2	351.5	355.3	359.1
17.5°	192.5	193.0	194.1	204.9	215.1	225.9	236.1	243.2	250.2	256.6	263.6
20°	156.9	155.3	153.7	159.6	165.5	171.4	177.4	183.8	190.3	196.8	203.3
22.5°	139.6	138.6	137.5	139.6	141.8	143.4	145.6	150.4	155.8	160.7	165.5
25°	128.3	127.2	126.7	127.8	128.9	129.9	131.0	133.7	136.4	139.1	141.8
27.5°	115.4	115.9	115.9	117.0	117.5	118.6	119.1	120.2	121.8	122.9	124.0
30°	105.7	106.7	107.3	108.4	108.9	110.0	110.5	110.0	109.4	108.9	108.4
32.5°	96.5	96.0	96.0	97.0	97.6	98.7	99.2	100.3	101.4	101.9	103.0
35°	87.3	87.9	87.9	87.9	88.4	88.4	88.4	89.5	91.1	92.2	93.3
37.5°	79.3	79.3	78.7	80.3	81.4	83.0	84.1	85.2	86.8	87.9	89.0
40°	72.2	72.2	72.2	73.3	74.4	74.9	76.0	78.7	81.4	84.1	86.8
42.5°	64.7	65.2	65.2	66.3	67.4	67.9	69.0	71.2	72.8	74.9	76.6
45°	57.7	58.2	58.8	59.8	60.4	61.5	62.0	63.1	63.6	64.7	65.2
47.5°	49.6	50.1	50.7	51.8	52.3	53.4	53.9	53.4	53.4	52.8	52.3
50°	41.5	42.1	42.6	44.2	45.3	46.9	48.0	46.9	45.8	44.2	43.1
52.5°	35.0	35.0	35.6	36.7	37.7	38.3	39.4	38.8	38.3	37.7	37.2
55°	30.2	30.2	30.2	30.7	31.3	31.8	32.3	32.9	32.9	33.4	33.4
57.5°	27.0	26.4	26.4	27.0	27.5	27.5	28.0	28.6	28.6	29.1	29.1
60°	24.3	23.7	23.7	24.3	24.8	25.3	25.9	25.9	25.9	25.3	25.3
62.5°	21.6	21.6	21.6	22.1	22.1	22.6	22.6	22.6	23.2	23.2	23.2
65°	19.9	19.9	19.9	19.9	19.9	19.4	19.4	19.9	19.9	20.5	20.5
67.5°	18.3	18.9	18.9	18.3	17.8	17.3	16.7	17.3	17.3	17.8	17.8
70°	16.7	16.7	16.7	16.2	15.6	15.1	14.6	14.6	14.6	14.0	14.0
72.5°	15.6	15.1	15.1	14.6	13.5	12.9	11.9	11.3	11.3	10.8	10.2
75°	14.6	14.0	14.0	12.9	11.9	10.8	9.7	9.2	8.1	7.5	6.5
77.5°	12.9	12.9	12.9	11.3	10.2	8.6	7.0	5.9	4.9	3.2	2.2
80°	4.3	4.9	5.4	4.9	4.9	4.3	3.8	2.7	2.2	1.1	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: P368195  
 CATALOG NUMBER: MSA-SA4A-727-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: P368195  
 CATALOG NUMBER: MSA-SA4A-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7
2.5°	1066.9	1072.9	1078.8	1084.7	1085.3	1085.8	1086.4	1086.9	1073.4	1059.4	1045.9
5°	1058.9	1070.2	1081.0	1091.8	1085.8	1079.9	1074.0	1068.0	1067.5	1067.5	1066.9
7.5°	799.5	800.6	802.2	803.3	805.5	807.6	809.2	811.4	820.0	828.7	836.7
10°	640.0	632.9	625.4	618.4	613.0	607.1	601.7	595.7	600.1	604.9	609.2
12.5°	498.2	492.2	485.8	479.8	477.7	475.5	472.8	470.7	484.7	498.7	512.2
15°	358.0	356.9	355.3	354.2	361.2	368.2	375.2	382.2	394.1	405.4	417.3
17.5°	266.3	269.0	271.7	274.4	278.7	283.0	286.8	291.1	299.8	308.9	317.6
20°	206.5	210.3	213.5	216.7	215.7	214.6	213.0	211.9	218.9	225.9	232.4
22.5°	168.7	171.4	174.7	177.4	177.9	178.5	179.0	179.5	183.8	187.6	191.9
25°	144.5	147.7	150.4	153.1	153.7	154.2	154.7	155.3	160.7	166.1	170.9
27.5°	127.8	131.0	134.8	138.0	139.1	140.2	141.3	142.3	145.6	148.3	151.5
30°	112.7	117.0	121.3	125.6	127.2	128.9	130.5	132.1	135.3	139.1	142.3
32.5°	105.1	107.8	110.0	112.1	115.9	119.1	122.9	126.2	129.9	134.2	138.0
35°	96.5	99.2	102.4	105.1	107.8	110.5	112.7	115.4	117.5	119.7	121.3
37.5°	91.1	93.8	96.0	98.1	99.2	100.3	100.8	101.9	103.0	104.1	104.6
40°	86.8	86.3	86.3	85.7	86.8	88.4	89.5	90.6	93.8	96.5	99.7
42.5°	75.5	73.9	72.8	71.2	73.9	76.0	78.7	80.9	85.2	89.5	93.8
45°	64.2	63.1	61.5	60.4	64.2	67.9	71.7	75.5	80.3	84.6	89.5
47.5°	52.8	53.4	53.4	53.9	57.7	61.5	64.7	68.5	73.3	78.2	83.0
50°	44.2	45.3	46.4	47.4	51.2	54.5	58.2	61.5	66.9	71.7	77.1
52.5°	38.8	40.4	41.5	43.1	46.4	50.1	53.4	56.6	61.5	66.3	71.2
55°	35.0	37.2	38.8	40.4	43.1	45.8	48.5	51.2	56.1	60.9	65.2
57.5°	30.7	32.3	34.0	35.6	38.3	41.0	43.1	45.8	50.1	55.0	59.3
60°	27.0	28.0	29.7	30.7	32.9	35.6	37.7	39.9	44.2	48.5	52.3
62.5°	23.7	24.8	25.3	25.9	28.0	30.2	32.3	34.5	38.3	42.6	46.4
65°	21.0	21.6	21.6	22.1	23.7	25.9	27.5	29.1	33.4	37.2	41.5
67.5°	17.8	18.3	18.3	18.3	19.9	21.6	23.2	24.8	28.6	32.9	36.7
70°	14.0	14.6	14.6	14.6	16.2	18.3	19.9	21.6	24.8	28.0	31.3
72.5°	10.8	10.8	11.3	11.3	12.9	15.1	16.7	18.3	21.0	23.7	26.4
75°	7.0	7.5	7.5	8.1	9.7	11.9	13.5	15.1	17.8	20.5	22.6
77.5°	2.7	3.8	4.3	4.9	6.5	8.1	9.7	11.3	13.5	16.2	18.3
80°	0.0	0.5	0.5	0.5	1.6	2.2	3.2	3.8	5.4	7.5	9.2
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: P368195  
 CATALOG NUMBER: MSA-SA4A-727-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: P368195  
 CATALOG NUMBER: MSA-SA4A-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7
2.5°	1031.9	1061.6	1091.2	1120.9	1150.5	1187.2	1223.8	1229.2	1234.6	1228.2	1222.2
5°	1066.4	1081.0	1095.0	1109.5	1123.6	1165.6	1207.1	1207.7	1207.7	1208.2	1208.2
7.5°	845.4	857.8	870.2	882.0	894.4	921.9	949.4	959.7	969.4	967.2	965.1
10°	613.5	629.7	645.3	661.5	677.2	702.5	727.8	737.5	746.7	776.4	806.5
12.5°	526.2	541.8	557.5	572.6	588.2	614.1	640.0	658.8	677.2	695.5	713.8
15°	428.6	441.0	454.0	466.4	478.8	490.6	502.5	525.7	548.3	566.6	585.0
17.5°	326.2	331.6	336.4	341.8	346.7	352.1	357.4	367.2	376.3	392.5	408.1
20°	239.4	243.7	248.0	251.8	256.1	261.5	266.9	273.9	280.4	284.1	287.4
22.5°	195.7	202.2	208.6	214.6	221.0	224.8	228.6	230.8	232.9	234.5	236.1
25°	176.3	182.2	187.6	193.5	198.9	200.6	202.2	206.5	210.8	210.8	210.8
27.5°	154.2	162.3	170.9	179.0	187.1	189.2	190.9	192.5	193.5	191.4	188.7
30°	145.6	153.7	161.7	169.3	177.4	180.6	183.3	184.9	186.5	183.8	181.1
32.5°	141.8	149.3	156.3	163.9	170.9	175.2	179.0	183.3	187.1	187.6	188.7
35°	123.5	128.3	133.7	138.6	143.4	145.6	147.7	149.3	150.4	150.4	150.4
37.5°	105.7	112.1	119.1	125.6	132.1	136.9	141.8	142.3	142.3	143.4	145.0
40°	102.4	108.9	115.4	121.3	127.8	133.2	138.0	138.6	139.1	140.2	141.3
42.5°	98.1	105.1	112.1	119.1	126.2	131.5	136.4	136.4	135.9	137.5	138.6
45°	93.8	100.8	107.3	114.3	120.8	127.8	134.2	132.6	130.5	133.2	135.3
47.5°	87.9	95.4	103.0	110.0	117.5	124.0	129.9	128.9	127.2	129.9	132.6
50°	81.9	89.5	97.0	104.6	112.1	119.1	125.6	124.5	123.5	126.7	129.4
52.5°	76.0	83.6	91.7	99.2	106.7	112.7	118.1	117.5	117.0	120.2	124.0
55°	70.1	77.1	84.6	91.7	98.7	105.1	111.1	110.0	108.9	111.6	114.3
57.5°	63.6	70.6	77.1	84.1	90.6	96.0	100.8	99.2	97.6	100.8	104.1
60°	56.6	63.1	69.5	75.5	81.9	86.3	90.0	89.0	87.3	90.6	93.8
62.5°	50.1	56.1	62.0	67.4	73.3	76.6	79.8	78.7	77.6	80.9	84.6
65°	45.3	50.1	54.5	59.3	63.6	66.9	70.1	68.5	66.9	70.6	73.9
67.5°	40.4	44.2	48.5	52.3	56.1	58.8	61.5	60.4	58.8	61.5	64.2
70°	34.5	38.3	42.1	45.3	49.1	51.8	54.5	52.8	50.7	53.4	56.1
72.5°	29.1	32.3	35.6	38.3	41.5	43.7	45.8	44.2	42.6	44.7	46.9
75°	25.3	28.0	30.7	32.9	35.6	36.7	37.7	37.2	36.1	38.3	39.9
77.5°	20.5	22.6	25.3	27.5	29.7	29.7	29.7	30.2	30.2	32.3	35.0
80°	10.8	12.9	15.1	16.7	18.9	18.9	18.3	19.4	19.9	22.6	25.3
82.5°	0.0	1.6	3.2	4.9	6.5	5.9	4.9	5.4	5.4	6.5	7.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1
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: P368195  
 CATALOG NUMBER: MSA-SA4A-727-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: P368195  
 CATALOG NUMBER: MSA-SA4A-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7
2.5°	1215.8	1209.3	1205.0	1201.2	1196.9	1192.6	1198.0	1203.4	1208.2	1213.6	1229.8
5°	1208.7	1208.7	1205.0	1201.2	1197.4	1193.6	1201.7	1209.3	1217.4	1224.9	1224.4
7.5°	962.4	960.2	982.8	1004.9	1027.6	1049.7	1055.6	1061.6	1066.9	1072.9	1071.3
10°	836.2	865.9	875.6	885.3	895.0	904.7	916.5	928.4	940.3	952.1	956.4
12.5°	732.1	750.5	781.7	812.5	843.7	874.5	890.1	906.3	921.9	937.6	968.3
15°	603.3	621.6	648.6	675.5	702.5	729.5	754.3	779.6	804.4	829.2	866.4
17.5°	424.3	439.9	460.4	480.9	500.9	521.3	559.6	597.9	636.2	674.5	713.8
20°	291.1	294.4	304.1	314.3	324.0	333.7	368.2	403.3	437.8	472.3	524.0
22.5°	237.2	238.8	243.7	248.5	252.9	257.7	275.5	293.8	311.6	329.4	371.5
25°	210.3	210.3	213.5	216.7	220.0	223.2	232.9	242.6	251.8	261.5	288.4
27.5°	186.5	183.8	188.7	193.5	198.4	203.3	210.3	217.8	224.8	231.8	250.2
30°	178.5	175.8	181.7	187.6	193.5	199.5	206.5	213.5	220.0	227.0	239.4
32.5°	189.2	189.8	191.9	194.1	195.7	197.9	201.1	204.9	208.1	211.3	222.1
35°	150.4	150.4	154.2	158.0	161.2	165.0	170.9	176.8	182.8	188.7	200.0
37.5°	146.1	147.2	150.4	154.2	157.4	160.7	168.2	176.3	183.8	191.4	200.6
40°	141.8	142.9	147.2	151.5	155.8	160.1	167.7	174.7	182.2	189.2	197.9
42.5°	140.2	141.3	146.6	152.6	158.0	163.4	169.8	176.3	182.2	188.7	200.6
45°	138.0	140.2	146.6	153.7	160.1	166.6	172.5	178.5	184.4	190.3	204.9
47.5°	134.8	137.5	145.0	152.0	159.6	166.6	177.9	189.8	201.1	212.4	219.4
50°	132.6	135.3	143.4	151.5	159.6	167.7	186.0	204.3	222.1	240.5	236.7
52.5°	127.2	130.5	140.7	151.0	161.2	171.4	187.6	203.8	220.0	236.1	228.6
55°	117.0	119.7	131.5	143.4	154.7	166.6	178.5	190.3	201.6	213.5	204.9
57.5°	106.7	110.0	121.3	132.6	143.4	154.7	160.7	166.6	172.5	178.5	175.2
60°	97.0	100.3	115.4	130.5	145.6	160.7	155.3	149.9	143.9	138.6	142.3
62.5°	87.9	91.1	105.7	119.7	134.2	148.3	140.7	133.2	125.6	118.1	124.0
65°	77.6	80.9	86.3	92.2	97.6	103.0	102.4	101.4	100.8	99.7	106.2
67.5°	66.9	69.5	72.2	75.5	78.2	80.9	82.5	84.6	86.3	87.9	93.3
70°	58.2	60.9	64.2	66.9	70.1	72.8	73.9	74.9	75.5	76.6	81.4
72.5°	48.5	50.7	55.0	59.3	63.1	67.4	67.9	67.9	68.5	68.5	72.2
75°	42.1	43.7	46.9	50.1	52.8	56.1	57.7	59.3	60.4	62.0	64.2
77.5°	37.2	39.4	40.4	41.0	42.1	42.6	43.7	44.7	45.8	46.9	47.4
80°	27.5	30.2	31.3	31.8	32.9	33.4	33.4	32.9	32.9	32.3	32.9
82.5°	8.6	9.7	11.3	12.9	14.6	16.2	16.7	17.3	17.3	17.8	17.3
85°	1.6	2.2	3.2	4.3	4.9	5.9	5.4	4.3	3.8	2.7	2.2
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: P368195  
 CATALOG NUMBER: MSA-SA4A-727-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: P368195  
 CATALOG NUMBER: MSA-SA4A-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7
2.5°	1245.9	1261.6	1277.8	1271.3	1264.8	1258.3	1251.9	1253.0	1254.6	1255.6	1256.7
5°	1223.8	1222.8	1222.2	1240.6	1259.4	1277.8	1296.1	1316.0	1336.5	1356.5	1376.4
7.5°	1069.6	1067.5	1065.9	1089.6	1113.3	1137.0	1160.8	1188.3	1216.3	1243.8	1271.3
10°	960.7	965.1	969.4	979.1	989.3	999.0	1008.7	1035.1	1061.6	1087.4	1113.9
12.5°	999.0	1029.2	1059.9	1065.9	1071.3	1077.2	1082.6	1086.4	1090.1	1093.9	1097.7
15°	904.1	941.3	978.5	994.2	1009.3	1024.9	1040.0	1079.9	1119.2	1159.1	1198.5
17.5°	753.2	792.0	831.3	878.3	925.2	972.1	1019.0	1062.1	1105.2	1148.4	1191.5
20°	576.3	628.1	679.9	739.2	799.0	858.3	917.6	960.7	1003.3	1046.5	1089.1
22.5°	414.1	456.1	498.2	569.9	641.0	712.7	783.9	858.8	934.3	1009.3	1084.2
25°	315.4	341.8	368.8	439.4	510.0	580.1	650.7	753.7	856.7	959.7	1062.6
27.5°	268.0	286.3	304.1	367.7	431.3	494.4	558.0	680.4	802.8	925.2	1047.5
30°	252.3	264.7	277.1	331.0	385.5	439.4	493.3	617.3	741.3	865.3	989.3
32.5°	232.9	243.2	253.9	301.4	348.8	395.7	443.2	564.5	685.8	806.5	927.9
35°	210.8	222.1	232.9	280.4	327.8	374.7	422.1	547.8	673.4	799.0	924.6
37.5°	209.2	218.4	227.0	282.0	337.5	392.5	447.5	573.1	698.7	823.8	949.4
40°	207.0	215.7	224.3	280.4	335.9	392.0	447.5	579.0	710.6	842.1	973.7
42.5°	212.4	223.7	235.6	285.2	334.8	383.9	433.5	572.0	710.6	848.6	987.2
45°	220.0	234.5	249.1	294.4	339.7	384.9	430.2	580.6	731.1	880.9	1031.4
47.5°	227.0	234.0	241.0	284.1	326.7	369.8	412.4	566.1	719.7	873.4	1027.1
50°	233.4	229.7	225.9	273.3	320.8	367.7	415.1	561.8	707.9	854.5	1000.6
52.5°	220.5	213.0	204.9	255.6	306.2	356.4	407.0	554.8	702.5	850.2	997.9
55°	196.2	187.6	179.0	229.1	278.7	328.9	378.5	525.7	672.8	820.0	967.2
57.5°	171.4	168.2	164.4	202.7	241.0	278.7	317.0	480.4	644.3	807.6	971.0
60°	146.1	149.3	153.1	180.6	208.1	235.1	262.6	422.7	582.3	742.4	902.0
62.5°	129.4	135.3	140.7	163.9	187.6	210.8	234.0	384.9	535.9	686.9	837.8
65°	113.2	119.7	126.2	153.7	181.7	209.2	236.7	364.5	492.2	620.0	747.8
67.5°	98.7	103.5	108.9	145.0	181.1	217.3	253.4	358.0	462.0	566.6	670.7
70°	86.3	90.6	95.4	137.5	179.5	221.6	263.6	352.6	442.1	531.0	620.0
72.5°	76.0	79.8	83.6	126.2	168.7	211.3	253.9	333.2	411.9	491.2	569.9
75°	66.3	67.9	70.1	106.2	141.8	177.9	213.5	266.3	319.7	372.5	425.4
77.5°	48.0	48.0	48.5	59.3	69.5	80.3	90.6	123.5	156.3	188.7	221.6
80°	32.9	33.4	33.4	37.7	41.5	45.8	49.6	56.6	63.1	70.1	76.6
82.5°	16.7	15.6	15.1	19.4	23.7	28.0	32.3	34.0	35.0	36.7	37.7
85°	1.6	0.5	0.0	2.7	5.4	8.1	10.8	12.9	15.1	17.3	19.4
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: P368195  
 CATALOG NUMBER: MSA-SA4A-727-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: P368195

CATALOG NUMBER: MSA-SA4A-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7
2.5°	1252.4	1248.1	1243.8	1239.5	1265.9	1292.8	1319.3	1345.7	1420.6	1469.7	1464.3
5°	1395.8	1415.2	1434.6	1454.0	1485.3	1517.1	1548.4	1579.7	1690.7	1758.7	1768.4
7.5°	1301.5	1331.1	1361.3	1391.0	1451.4	1511.2	1571.6	1631.4	1722.5	1793.2	1833.1
10°	1147.8	1181.8	1215.2	1249.2	1317.1	1385.6	1453.5	1521.4	1623.9	1721.5	1771.6
12.5°	1151.1	1204.4	1257.8	1311.2	1370.5	1429.8	1488.6	1547.9	1610.4	1643.3	1713.9
15°	1240.6	1282.6	1324.7	1366.7	1444.3	1522.0	1599.1	1676.7	1713.9	1793.2	1875.7
17.5°	1273.4	1355.9	1437.9	1519.8	1616.9	1713.4	1810.4	1906.9	1977.0	2087.0	2172.2
20°	1212.5	1336.0	1458.9	1582.4	1715.5	1848.7	1981.9	2115.0	2191.6	2296.2	2427.7
22.5°	1215.2	1346.2	1476.7	1607.7	1791.5	1974.9	2158.7	2342.0	2547.4	2749.1	2813.2
25°	1234.1	1405.5	1576.4	1747.9	1960.3	2172.7	2385.1	2597.6	2845.6	3057.4	3142.6
27.5°	1240.6	1433.6	1626.0	1819.0	2121.0	2422.9	2724.8	3026.7	3322.7	3562.1	3653.2
30°	1224.9	1461.1	1696.7	1932.3	2302.6	2673.0	3043.4	3413.8	3694.7	3973.4	4086.7
32.5°	1228.7	1529.5	1830.4	2131.2	2567.4	3004.1	3440.2	3876.4	4055.9	4307.2	4506.6
35°	1254.6	1584.5	1913.9	2243.9	2726.4	3208.9	3691.5	4174.0	4468.4	4733.6	4902.9
37.5°	1315.0	1680.5	2045.5	2411.0	3004.1	3597.7	4190.7	4783.8	5239.3	5694.9	5772.5
40°	1359.7	1745.7	2131.7	2517.8	3206.2	3894.7	4583.2	5271.7	5787.1	6281.5	6334.3
42.5°	1410.4	1833.1	2256.3	2679.0	3448.9	4218.7	4988.6	5758.5	6355.3	6859.4	6894.5
45°	1465.9	1901.0	2335.5	2770.1	3576.6	4382.6	5189.2	5995.2	6692.3	7277.8	7145.7
47.5°	1492.3	1957.6	2422.9	2888.2	3752.9	4617.2	5481.9	6346.2	6971.6	7488.1	7333.9
50°	1512.8	2024.5	2536.6	3048.3	3955.1	4861.9	5768.8	6675.6	7302.6	7779.2	7537.7
52.5°	1570.5	2142.5	2715.1	3287.1	4251.6	5215.6	6180.1	7144.1	7750.6	8188.4	7849.8
55°	1626.6	2285.4	2944.8	3603.6	4640.9	5678.7	6716.0	7753.3	8357.1	8732.4	8272.5
57.5°	1697.2	2424.0	3150.2	3876.4	4985.9	6095.5	7204.5	8314.0	8904.4	9319.0	8841.3
60°	1678.9	2455.2	3232.1	4008.5	5138.5	6268.5	7398.6	8528.6	9230.0	9739.5	9415.5
62.5°	1607.7	2377.6	3146.9	3916.8	5026.9	6136.4	7246.5	8356.1	9196.6	9886.7	9777.8
65°	1463.8	2179.2	2895.2	3610.6	4670.5	5731.0	6791.0	7850.9	8888.2	9766.4	9805.3
67.5°	1274.5	1878.3	2481.6	3085.5	4074.3	5063.0	6051.3	7040.0	8264.4	9288.8	9404.1
70°	1074.0	1527.4	1981.3	2434.7	3304.9	4175.1	5044.7	5914.9	7187.8	8218.6	8436.4
72.5°	861.0	1152.7	1443.8	1734.9	2363.0	2990.6	3618.7	4246.2	5366.0	6166.1	6546.2
75°	558.0	690.6	823.3	955.9	1374.3	1792.1	2210.5	2628.3	3371.8	3961.0	4390.7
77.5°	248.5	275.5	301.9	328.9	651.8	974.8	1297.7	1620.6	1943.6	2299.4	2400.2
80°	89.0	100.8	113.2	125.1	283.6	442.6	601.1	759.6	916.0	1099.8	1144.6
82.5°	37.2	37.2	36.7	36.1	92.7	149.3	205.9	262.6	303.5	348.8	357.4
85°	15.1	11.3	7.0	2.7	11.9	21.6	30.7	39.9	64.2	58.2	107.8
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: P368195  
 CATALOG NUMBER: MSA-SA4A-727-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: P368195

CATALOG NUMBER: MSA-SA4A-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7
2.5°	1443.8	1442.7	1441.6	1440.6	1439.5	1420.1	1401.2	1381.8	1362.9	1386.7	1410.4
5°	1752.7	1780.8	1808.8	1837.4	1865.4	1873.5	1881.6	1889.7	1897.8	1915.0	1932.3
7.5°	1866.5	1913.9	1960.8	2008.3	2055.2	2098.9	2142.0	2185.7	2229.3	2218.5	2207.8
10°	1827.1	1912.9	1998.6	2084.8	2170.6	2189.4	2208.3	2227.7	2246.6	2295.6	2344.7
12.5°	1784.5	1887.5	1990.5	2093.5	2196.4	2253.6	2310.2	2367.3	2424.5	2474.1	2523.7
15°	1986.7	2052.5	2118.3	2184.6	2250.4	2300.5	2350.1	2400.2	2449.8	2484.3	2518.3
17.5°	2252.5	2284.9	2317.2	2350.1	2382.4	2421.8	2461.2	2500.5	2539.9	2560.4	2580.8
20°	2533.4	2547.4	2561.4	2575.5	2589.5	2558.2	2526.9	2495.7	2464.4	2483.8	2502.7
22.5°	2815.4	2820.2	2825.6	2830.5	2835.3	2762.5	2689.7	2617.0	2544.2	2513.5	2482.7
25°	3249.4	3213.8	3178.2	3142.6	3107.0	3020.8	2934.5	2848.3	2762.0	2686.0	2610.0
27.5°	3719.5	3598.7	3478.5	3357.7	3237.5	3151.2	3065.0	2978.7	2892.5	2778.2	2663.9
30°	4193.4	3998.8	3804.7	3610.1	3416.0	3313.5	3211.1	3108.1	3005.7	2891.4	2777.6
32.5°	4627.9	4394.0	4160.0	3925.4	3691.5	3518.9	3346.4	3173.9	3001.4	2921.6	2841.8
35°	4988.1	4711.5	4434.9	4157.8	3881.2	3710.3	3539.4	3368.5	3197.6	3079.0	2960.9
37.5°	5603.8	5292.7	4981.6	4670.5	4359.5	4126.0	3893.1	3659.7	3426.2	3347.0	3267.7
40°	6171.5	5779.5	5387.6	4995.6	4603.7	4408.0	4212.8	4017.1	3821.9	3692.0	3562.6
42.5°	6622.7	6209.8	5797.3	5384.4	4971.4	4777.8	4584.8	4391.3	4197.7	4110.9	4024.6
45°	6720.3	6331.1	5942.4	5553.1	5163.8	5051.2	4939.0	4826.3	4714.2	4654.4	4595.1
47.5°	6912.8	6490.7	6069.1	5646.9	5224.8	5174.1	5123.4	5072.2	5021.5	5050.1	5078.7
50°	7020.6	6589.9	6159.1	5728.3	5297.5	5312.1	5326.1	5340.7	5355.2	5558.0	5760.1
52.5°	7229.8	6794.7	6359.6	5924.6	5489.5	5581.1	5672.2	5763.9	5855.0	6134.3	6413.0
55°	7603.4	7175.9	6748.4	6320.3	5892.8	6013.5	6134.3	6255.6	6376.4	6672.9	6968.9
57.5°	8157.1	7732.8	7309.1	6884.8	6461.0	6581.2	6701.5	6821.7	6941.9	7209.9	7477.3
60°	8854.2	8418.6	7983.5	7547.9	7112.8	7158.1	7202.9	7248.1	7293.4	7581.3	7868.7
62.5°	9397.1	8996.6	8596.5	8195.9	7795.9	7745.8	7696.2	7646.0	7596.4	7815.3	8033.7
65°	9523.3	9241.3	8959.9	8677.9	8396.0	8241.8	8088.1	7933.9	7779.7	7868.1	7956.6
67.5°	9162.1	8971.8	8782.0	8591.7	8401.4	8079.5	7757.6	7435.2	7113.4	7066.5	7019.5
70°	8323.7	8219.7	8116.2	8012.1	7908.6	7412.6	6917.1	6421.1	5925.6	5806.5	5687.3
72.5°	6568.3	6633.0	6697.7	6762.9	6827.6	6296.6	5766.1	5235.0	4704.0	4553.0	4402.6
75°	4631.7	4851.1	5070.6	5290.0	5509.4	5025.3	4541.7	4057.5	3573.4	3428.4	3283.9
77.5°	2511.3	2922.7	3334.0	3745.4	4156.7	3757.2	3358.3	2958.8	2559.3	2458.5	2358.2
80°	1190.4	1427.6	1664.3	1901.5	2138.8	2048.7	1958.7	1868.1	1778.1	1800.2	1822.3
82.5°	365.0	536.4	707.9	879.3	1050.8	1064.3	1077.2	1090.7	1104.2	1137.6	1170.5
85°	122.4	167.7	213.0	258.2	303.5	383.3	463.1	543.4	623.2	571.5	520.3
87.5°	0.0	1.6	2.7	4.3	5.4	16.7	28.0	39.4	50.7	43.7	37.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368195  
 CATALOG NUMBER: MSA-SA4A-727-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: P368195

CATALOG NUMBER: MSA-SA4A-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7
2.5°	1434.6	1458.4	1458.9	1460.0	1460.5	1461.1	1463.8	1466.4	1469.7	1472.4	1454.6
5°	1950.1	1967.3	1935.5	1903.7	1871.3	1839.5	1868.1	1896.7	1925.3	1953.8	1941.4
7.5°	2196.4	2185.7	2181.9	2178.6	2174.9	2171.6	2182.4	2193.2	2204.0	2214.8	2213.7
10°	2393.8	2442.8	2454.7	2466.5	2478.9	2490.8	2466.0	2441.2	2416.4	2391.6	2381.4
12.5°	2573.3	2622.9	2662.3	2701.6	2741.5	2780.9	2745.3	2710.2	2674.7	2639.6	2606.2
15°	2552.8	2586.8	2619.1	2651.5	2683.8	2716.2	2704.3	2693.0	2681.1	2669.3	2663.9
17.5°	2601.9	2622.4	2614.8	2607.3	2599.2	2591.6	2587.9	2584.6	2580.8	2577.1	2564.1
20°	2522.1	2541.5	2536.6	2532.3	2527.5	2522.6	2519.4	2516.1	2512.9	2509.7	2499.4
22.5°	2452.0	2421.3	2413.2	2405.6	2397.5	2390.0	2391.1	2392.1	2392.7	2393.8	2440.1
25°	2533.9	2457.9	2428.3	2398.6	2368.4	2338.8	2352.2	2365.2	2378.7	2392.1	2459.0
27.5°	2549.0	2434.7	2387.3	2339.8	2292.4	2245.0	2293.5	2342.0	2390.5	2439.1	2547.4
30°	2663.3	2549.6	2483.3	2417.5	2351.2	2285.4	2347.4	2409.4	2471.4	2533.4	2650.9
32.5°	2761.5	2681.7	2634.2	2586.8	2539.3	2491.9	2494.6	2496.7	2499.4	2502.1	2667.6
35°	2842.3	2724.3	2681.1	2638.5	2595.4	2552.8	2617.0	2681.1	2745.3	2809.4	2958.2
37.5°	3188.4	3109.2	3029.9	2951.2	2872.0	2793.3	2844.5	2895.7	2947.5	2998.7	3163.1
40°	3432.7	3303.3	3282.8	3262.9	3242.4	3222.4	3248.8	3274.7	3301.1	3327.5	3471.5
42.5°	3937.8	3851.0	3795.5	3740.5	3685.0	3630.0	3651.0	3672.1	3693.6	3714.6	3851.0
45°	4535.2	4475.4	4438.7	4402.0	4364.8	4328.2	4296.4	4265.1	4233.3	4202.0	4340.6
47.5°	5107.2	5135.8	5216.7	5297.0	5377.9	5458.2	5392.4	5326.7	5260.3	5194.6	5195.1
50°	5962.8	6165.0	6206.0	6246.4	6287.4	6327.8	6187.7	6047.5	5906.8	5766.6	5749.9
52.5°	6692.3	6971.0	6985.6	7000.1	7015.2	7029.8	6973.2	6916.6	6859.4	6802.8	6652.4
55°	7265.4	7561.4	7581.3	7600.7	7620.7	7640.1	7590.5	7541.4	7491.8	7442.2	7290.2
57.5°	7745.2	8012.6	8024.5	8035.8	8047.7	8059.5	8063.3	8067.1	8071.4	8075.2	7869.8
60°	8156.6	8444.5	8420.8	8397.6	8373.9	8350.7	8315.1	8279.5	8243.9	8208.3	8075.7
62.5°	8252.6	8471.4	8434.8	8398.7	8362.0	8325.9	8295.7	8266.0	8235.8	8205.6	8121.0
65°	8045.0	8133.4	8095.7	8057.9	8019.6	7981.9	7962.5	7943.6	7924.2	7904.8	7894.0
67.5°	6972.1	6925.2	6969.9	7014.7	7059.4	7104.2	7165.1	7226.0	7287.5	7348.4	7312.8
70°	5567.7	5448.5	5498.1	5547.2	5596.8	5645.8	5738.0	5830.2	5922.9	6015.1	5990.3
72.5°	4251.6	4100.7	4107.7	4114.7	4122.2	4129.2	4126.5	4124.4	4121.7	4119.0	4162.1
75°	3138.8	2993.8	2925.4	2856.9	2788.4	2719.9	2703.2	2686.5	2669.8	2653.1	2733.4
77.5°	2257.4	2157.1	2110.2	2063.8	2016.9	1970.5	1994.3	2018.0	2042.2	2066.0	2094.0
80°	1844.9	1867.0	1830.9	1795.3	1759.2	1723.1	1750.0	1776.5	1803.4	1830.4	1746.8
82.5°	1203.9	1236.8	1125.7	1014.7	903.6	792.5	859.9	927.3	995.2	1062.6	1028.1
85°	468.5	417.3	355.8	294.9	233.4	172.0	223.7	275.5	327.3	379.0	413.5
87.5°	30.2	23.7	18.9	14.0	8.6	3.8	8.1	12.4	17.3	21.6	36.1
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: P368195  
 CATALOG NUMBER: MSA-SA4A-727-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: P368195

CATALOG NUMBER: MSA-SA4A-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7	1139.7
2.5°	1437.3	1419.5	1402.3	1368.3	1334.4	1300.4	1266.4	1313.9	1361.3	1408.8	1456.2
5°	1929.6	1917.2	1905.3	1908.5	1911.8	1915.5	1918.8	1925.8	1932.8	1939.3	1946.3
7.5°	2213.2	2212.1	2211.0	2186.2	2161.4	2136.1	2111.3	2123.7	2136.1	2148.5	2160.9
10°	2371.7	2361.4	2351.2	2296.7	2242.3	2187.3	2132.8	2109.1	2084.8	2061.1	2037.4
12.5°	2572.8	2538.8	2505.4	2447.1	2389.5	2331.2	2273.0	2251.4	2229.3	2207.8	2185.7
15°	2659.0	2653.6	2648.8	2607.3	2565.2	2523.7	2481.6	2407.8	2333.4	2259.5	2185.7
17.5°	2551.2	2537.7	2524.8	2590.5	2655.8	2721.6	2787.3	2710.8	2634.2	2557.7	2481.1
20°	2489.2	2478.9	2468.7	2591.1	2712.9	2835.3	2957.2	2923.2	2888.7	2854.7	2820.8
22.5°	2486.5	2533.4	2579.8	2687.1	2793.8	2901.1	3007.8	3066.6	3125.9	3184.7	3243.4
25°	2525.9	2593.2	2660.1	2838.0	3015.9	3194.4	3372.3	3439.7	3506.5	3573.9	3640.8
27.5°	2655.2	2763.6	2871.4	3026.7	3182.0	3337.8	3493.1	3640.2	3788.0	3935.2	4082.3
30°	2767.9	2885.5	3003.0	3187.9	3372.3	3557.2	3741.6	3926.0	4110.4	4294.8	4479.1
32.5°	2833.2	2999.2	3164.7	3389.5	3613.8	3838.6	4063.5	4265.6	4467.8	4669.5	4871.6
35°	3107.0	3256.4	3405.2	3653.7	3902.3	4151.3	4399.9	4650.0	4900.2	5149.8	5400.0
37.5°	3327.5	3492.5	3657.0	3928.7	4199.9	4471.6	4743.3	5088.9	5435.0	5780.6	6126.2
40°	3615.4	3759.4	3903.3	4157.8	4411.7	4666.2	4920.7	5359.0	5797.3	6235.1	6673.4
42.5°	3986.9	4123.3	4259.7	4532.0	4804.2	5076.5	5348.8	5834.0	6319.2	6803.9	7289.1
45°	4479.1	4618.2	4756.8	4973.5	5190.3	5407.0	5623.7	6139.7	6655.1	7171.0	7686.5
47.5°	5195.7	5196.2	5196.7	5353.1	5509.4	5666.3	5822.7	6342.4	6861.6	7381.3	7900.5
50°	5733.2	5715.9	5699.2	5780.1	5860.4	5941.3	6022.1	6500.4	6979.1	7457.3	7935.5
52.5°	6502.5	6352.1	6202.2	6250.2	6297.6	6345.6	6393.1	6798.0	7203.4	7608.3	8013.2
55°	7138.7	6986.7	6834.6	6816.8	6799.0	6781.3	6763.5	7136.0	7508.5	7881.1	8253.6
57.5°	7664.9	7459.5	7254.6	7213.6	7173.2	7132.2	7091.3	7484.3	7876.8	8269.8	8662.3
60°	7943.6	7811.0	7678.4	7652.0	7625.0	7598.6	7571.6	7894.0	8216.4	8538.8	8861.2
62.5°	8036.9	7952.3	7868.1	7917.7	7967.4	8017.5	8067.1	8208.9	8350.1	8491.9	8633.2
65°	7883.8	7873.0	7862.2	7964.1	8065.5	8167.4	8269.3	8234.2	8198.6	8163.6	8128.6
67.5°	7277.8	7242.2	7207.2	7430.9	7654.1	7877.9	8101.6	7931.8	7761.4	7591.6	7421.7
70°	5965.5	5940.2	5915.4	6237.8	6560.2	6883.1	7205.6	6999.6	6793.7	6587.7	6381.8
72.5°	4204.7	4247.9	4291.0	4671.1	5050.6	5430.7	5810.3	5602.7	5395.1	5187.6	4980.0
75°	2813.2	2893.5	2973.9	3365.3	3756.7	4148.7	4540.1	4296.4	4052.7	3809.0	3565.3
77.5°	2122.0	2150.1	2178.1	2425.6	2673.0	2921.0	3168.5	2967.4	2765.8	2564.7	2363.0
80°	1663.2	1579.1	1495.6	1577.0	1658.4	1739.8	1821.2	1701.0	1580.7	1461.1	1340.8
82.5°	993.6	959.1	924.6	968.8	1012.5	1056.7	1100.9	1049.2	996.9	945.1	892.8
85°	447.5	482.0	516.0	560.7	604.9	649.7	694.4	622.2	549.9	477.7	405.4
87.5°	50.1	64.7	79.3	98.1	117.0	135.9	154.7	120.8	86.3	52.3	18.3
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: P368195  
 CATALOG NUMBER: MSA-SA4A-727-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: P368195  
 CATALOG NUMBER: MSA-SA4A-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	1139.7	1139.7
2.5°	1483.7	1511.2
5°	1945.7	1944.7
7.5°	2128.5	2095.6
10°	2007.2	1977.0
12.5°	2108.6	2031.5
15°	2127.4	2069.2
17.5°	2386.2	2290.8
20°	2698.4	2575.5
22.5°	3075.2	2906.5
25°	3440.2	3239.7
27.5°	3962.1	3841.3
30°	4357.3	4234.9
32.5°	4788.6	4705.6
35°	5317.5	5234.5
37.5°	6147.8	6168.8
40°	6686.4	6699.3
42.5°	7339.3	7389.4
45°	7742.5	7798.6
47.5°	7978.7	8056.8
50°	8061.7	8187.9
52.5°	8169.0	8324.3
55°	8426.7	8599.8
57.5°	8800.3	8938.3
60°	8867.7	8874.2
62.5°	8533.4	8433.7
65°	8022.3	7916.1
67.5°	7357.6	7292.9
70°	6296.6	6211.4
72.5°	4821.5	4663.0
75°	3369.1	3172.8
77.5°	2260.1	2157.1
80°	1344.1	1346.8
82.5°	917.6	941.9
85°	400.6	395.2
87.5°	12.9	7.0
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: P368195  
CATALOG NUMBER: MSA-SA4A-727-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)