

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: P596399

Luminaire Tested: **MSA-SA4A-722-U-SLR-HSS**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P596399  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-25)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: MSA-SA4A-722-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: 8314 lumens  
Efficiency: N/A  
Efficacy: 64.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

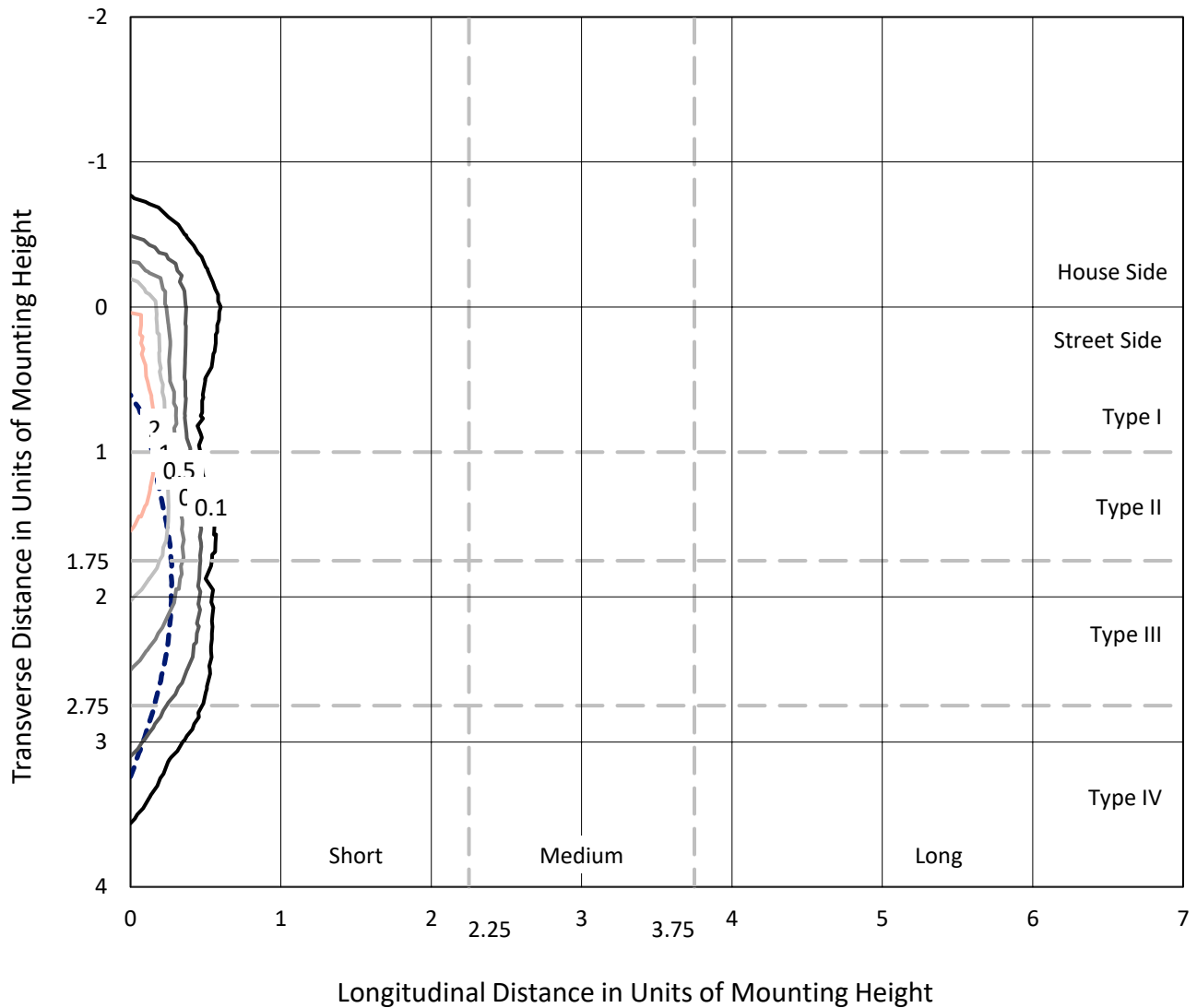
Input Watts (W): 129  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P596399  
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### Iso-Footcandle Lines of Horizontal Illumination

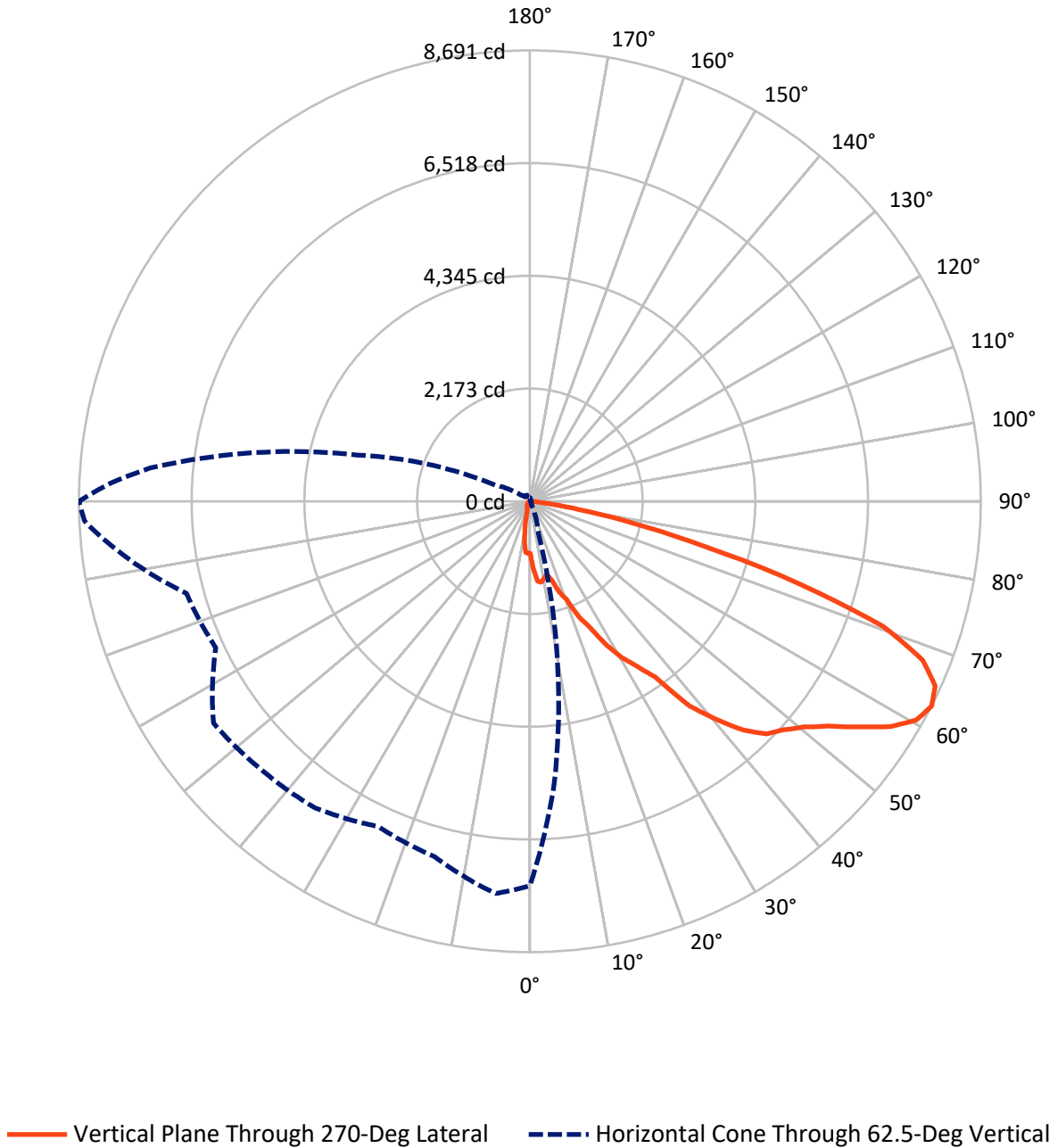
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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	1388.3	0.0	1388.3
	% Fixture	16.7	0.0	16.7
<b>Street Side</b>	Lumens	6925.7	0.0	6925.7
	% Fixture	83.3	0.0	83.3
<b>Total</b>	Lumens	8314.0	0.0	8314.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.9	1.3
10°-20°	292.4	3.5
20°-30°	472.6	5.7
30°-40°	791.6	9.5
40°-50°	1294.0	15.6
50°-60°	1915.6	23.0
60°-70°	2199.1	26.5
70°-80°	1087.3	13.1
80°-90°	149.3	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°	8314.0	100.0
0°-180°	8314.0	100.0

**Coefficient of Utilization**

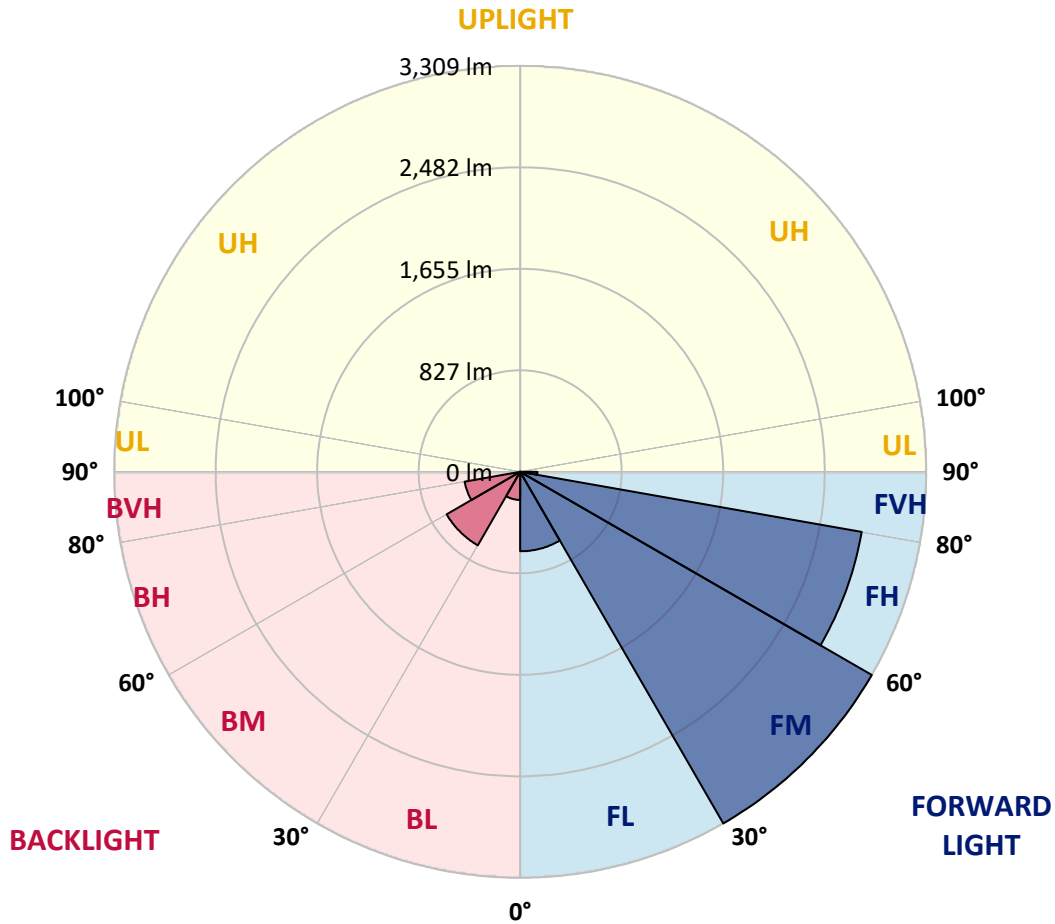


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	647.7	7.8			
FM (30°-60°)	3309.4	39.8			
FH (60°-80°)	2827.2	34.0			G2/5000
FVH (80°-90°)	141.4	1.7			G2/225
BL (0°-30°)	229.2	2.8	B1/500		
BM (30°-60°)	691.8	8.3	B1/1000		
BH (60°-80°)	459.3	5.5	B1/500		G1/500
BVH (80°-90°)	7.9	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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CATALOG NUMBER: MSA-SA4A-722-U-SLR-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9
2.5°	1328.4	1345.0	1361.1	1330.3	1299.5	1268.7	1237.9	1210.4	1182.9	1155.0	1127.5
5°	1709.4	1679.1	1648.8	1607.1	1565.4	1523.7	1482.0	1462.5	1443.1	1423.7	1404.2
7.5°	1842.1	1788.1	1733.6	1696.6	1660.2	1623.2	1586.2	1527.9	1469.2	1410.9	1352.1
10°	1737.9	1680.5	1622.7	1590.5	1558.3	1526.0	1493.8	1421.3	1348.3	1275.8	1202.8
12.5°	1785.7	1723.7	1661.6	1595.2	1528.9	1462.5	1396.2	1340.7	1284.8	1229.4	1173.4
15°	1818.9	1747.8	1676.3	1600.4	1524.6	1448.8	1373.0	1307.6	1242.6	1177.2	1111.8
17.5°	2013.7	1911.8	1809.9	1693.3	1576.7	1460.2	1343.6	1267.7	1192.4	1116.6	1040.7
20°	2263.9	2119.4	1974.4	1816.6	1658.7	1500.9	1343.1	1248.8	1154.5	1060.2	965.9
22.5°	2554.9	2374.4	2193.3	1998.5	1804.2	1609.4	1414.7	1279.1	1143.6	1008.0	872.5
25°	2847.8	2684.8	2521.8	2259.7	1997.6	1735.0	1473.0	1300.9	1128.4	956.4	783.9
27.5°	3376.7	3085.2	2793.8	2460.1	2127.0	1793.3	1459.7	1262.5	1065.4	867.8	670.6
30°	3722.7	3498.5	3273.9	2833.1	2392.8	1952.1	1511.3	1261.6	1011.8	761.6	511.8
32.5°	4136.4	3808.5	3480.0	3001.8	2523.6	2045.5	1567.3	1273.9	980.1	686.7	392.9
35°	4601.3	4244.5	3887.6	3281.9	2676.3	2070.1	1464.4	1180.1	895.7	611.4	327.0
37.5°	5422.6	4825.5	4228.4	3522.2	2815.6	2109.4	1402.8	1118.9	834.6	550.7	266.3
40°	5889.0	5318.9	4748.7	3866.3	2983.8	2101.4	1218.9	966.8	715.2	463.0	210.9
42.5°	6495.6	5772.4	5048.7	4062.5	3076.2	2090.0	1103.8	870.6	637.4	403.8	170.6
45°	6855.3	6035.9	5216.5	4147.8	3079.1	2010.4	941.7	739.8	537.9	336.0	134.1
47.5°	7082.3	6260.5	5438.8	4291.4	3144.5	1997.1	849.7	664.0	478.2	292.4	106.6
50°	7197.5	6373.3	5548.7	4369.6	3190.5	2010.9	831.7	646.9	461.6	276.8	91.5
52.5°	7317.4	6522.6	5727.4	4505.1	3282.9	2060.6	838.4	649.8	461.6	273.0	84.4
55°	7559.6	6775.7	5991.4	4699.4	3407.5	2115.6	823.7	637.9	452.1	265.9	80.1
57.5°	7857.2	7019.3	6180.9	4841.6	3502.3	2163.0	823.7	637.0	450.2	263.0	76.3
60°	7800.8	6891.3	5981.4	4681.9	3382.4	2082.4	782.9	605.2	428.0	250.2	72.5
62.5°	7413.6	6426.4	5438.8	4237.8	3036.4	1835.5	634.1	492.4	350.7	208.5	66.8
65°	6958.6	5910.8	4862.5	3757.3	2651.6	1546.4	440.7	346.0	250.7	155.9	60.7
67.5°	6410.8	5293.3	4175.7	3192.8	2210.4	1227.5	244.5	197.2	149.8	101.9	54.5
70°	5460.1	4306.6	3152.5	2397.1	1642.1	886.7	131.3	110.9	90.5	70.1	49.8
72.5°	4099.0	3042.1	1985.3	1508.0	1031.3	554.0	76.8	69.2	61.1	53.6	45.5
75°	2789.0	1997.1	1205.2	917.5	630.3	342.6	55.0	51.2	46.9	43.1	38.9
77.5°	1896.2	1371.5	846.9	646.4	446.0	245.5	45.0	42.7	40.3	37.4	35.1
80°	1183.9	810.4	437.0	336.5	235.5	135.1	34.1	32.7	31.3	29.4	28.0
82.5°	827.9	495.3	162.6	127.0	91.5	55.4	19.9	20.4	20.9	20.9	21.3
85°	347.4	187.7	28.0	23.7	19.4	15.2	10.9	11.8	13.3	14.2	15.2
87.5°	6.2	3.3	0.0	0.9	2.4	3.3	4.3	5.7	6.6	8.1	9.0
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



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 CATALOG NUMBER: MSA-SA4A-722-U-SLR-HSS

**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°	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9
2.5°	1134.6	1141.7	1148.3	1155.4	1149.7	1144.5	1138.8	1133.2	1124.6	1116.6	1108.0
5°	1380.5	1356.8	1333.1	1309.5	1273.4	1237.4	1200.9	1164.9	1160.6	1156.4	1151.6
7.5°	1296.7	1241.2	1185.3	1129.8	1077.7	1025.6	973.4	921.3	905.2	889.6	873.4
10°	1160.2	1117.5	1074.4	1031.7	994.3	956.4	918.9	881.0	841.7	802.4	762.5
12.5°	1128.9	1084.3	1039.3	994.8	960.6	926.5	892.4	858.3	814.2	770.1	726.1
15°	1063.5	1015.1	966.8	918.5	873.0	827.5	781.5	736.0	682.9	629.8	576.8
17.5°	983.4	926.5	869.2	811.8	752.1	692.4	632.7	573.0	511.8	451.2	390.0
20°	888.1	810.4	732.2	654.5	580.6	506.6	432.2	358.3	319.9	282.0	243.6
22.5°	772.0	671.1	570.6	469.7	409.0	347.9	287.2	226.1	209.5	192.9	176.3
25°	669.7	555.4	441.2	327.0	288.6	250.2	211.8	173.5	165.9	157.8	150.2
27.5°	563.0	455.9	348.3	240.8	219.0	196.7	174.9	152.6	147.4	142.7	137.4
30°	431.7	351.7	271.1	191.0	176.8	162.6	147.9	133.6	131.3	128.4	126.1
32.5°	334.6	275.8	217.5	158.8	150.7	142.7	134.6	126.5	122.7	119.0	114.7
35°	279.6	232.7	185.3	137.9	132.2	126.1	120.4	114.2	110.4	106.2	102.4
37.5°	231.7	197.6	163.0	128.4	122.3	116.1	109.5	103.3	100.5	97.6	94.8
40°	191.0	171.1	151.2	131.3	122.3	113.3	104.3	95.3	92.9	90.5	88.1
42.5°	157.8	145.0	131.8	119.0	112.3	106.2	99.5	92.9	89.6	85.8	82.5
45°	127.5	120.4	113.7	106.6	107.1	107.6	107.6	108.1	99.5	90.5	82.0
47.5°	103.3	100.0	96.2	92.9	96.7	100.5	103.8	107.6	98.6	89.6	80.1
50°	88.6	86.3	83.4	80.6	84.4	88.6	92.4	96.2	92.4	89.1	85.3
52.5°	81.0	77.7	74.4	71.1	72.5	74.4	75.8	77.2	77.2	77.2	77.2
55°	76.3	73.0	69.2	65.4	64.0	62.1	60.7	58.8	56.4	54.5	52.1
57.5°	72.5	68.7	64.5	60.7	58.3	55.4	53.1	50.2	47.9	45.0	42.7
60°	68.7	64.9	60.7	56.9	54.5	52.1	49.3	46.9	44.1	41.7	38.9
62.5°	63.5	60.2	56.9	53.6	51.2	49.3	46.9	44.5	41.7	38.9	35.5
65°	57.8	55.4	52.6	49.8	47.4	45.0	42.7	40.3	37.4	35.1	32.2
67.5°	52.6	50.2	48.3	46.0	43.1	40.8	37.9	35.1	33.2	31.3	28.9
70°	48.3	46.4	45.0	43.1	40.3	37.9	35.1	32.2	30.8	28.9	27.5
72.5°	44.1	42.7	40.8	39.3	37.0	34.6	32.2	29.9	28.4	27.0	25.6
75°	37.9	37.0	36.0	35.1	32.7	30.3	27.5	25.1	24.6	24.2	23.7
77.5°	34.1	33.6	32.7	31.8	29.4	27.0	24.6	22.3	22.7	23.2	23.2
80°	28.0	28.0	27.5	27.5	25.6	23.7	21.3	19.4	20.4	21.8	22.7
82.5°	21.3	21.3	21.3	21.3	19.4	17.5	15.6	13.7	15.2	16.1	17.5
85°	14.7	14.2	13.7	13.3	11.8	10.9	9.5	8.1	10.0	11.4	13.3
87.5°	9.0	9.5	9.5	9.5	8.5	7.1	6.2	4.7	5.7	6.2	7.1
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: P596399  
 CATALOG NUMBER: MSA-SA4A-722-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: P596399  
 CATALOG NUMBER: MSA-SA4A-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9
2.5°	1099.5	1085.3	1071.1	1056.4	1042.2	1009.0	975.8	942.6	909.5	934.1	958.3
5°	1147.4	1119.9	1091.9	1064.4	1036.5	1024.2	1012.3	1000.0	987.7	989.6	991.9
7.5°	857.3	839.3	821.3	802.8	784.8	781.0	777.7	773.9	770.1	778.2	785.8
10°	723.2	698.1	672.5	647.4	621.8	608.0	594.3	580.6	566.8	565.4	563.5
12.5°	682.0	643.6	605.7	567.3	528.9	499.0	469.2	439.3	409.5	411.8	414.2
15°	523.7	485.3	447.4	409.0	370.6	346.4	321.8	297.6	273.0	265.9	258.8
17.5°	328.9	300.5	272.0	243.1	214.7	206.6	199.0	191.0	182.9	180.6	178.2
20°	205.2	192.9	180.6	167.8	155.4	153.6	151.7	149.8	147.9	149.3	150.7
22.5°	159.7	154.5	148.8	143.6	137.9	136.0	134.1	132.2	130.3	131.8	132.7
25°	142.2	138.4	134.6	130.8	127.0	125.1	122.7	120.9	118.5	119.4	120.9
27.5°	132.2	128.9	125.6	122.3	119.0	115.6	112.8	109.5	106.2	108.1	109.5
30°	123.2	119.4	116.1	112.3	108.5	105.2	101.9	98.1	94.8	96.7	98.6
32.5°	110.9	107.6	103.8	100.5	96.7	94.8	92.9	90.5	88.6	90.0	91.0
35°	98.1	95.3	92.9	90.0	87.2	85.3	83.9	82.0	80.1	80.6	81.5
37.5°	91.9	88.6	85.3	82.0	78.7	77.7	76.8	75.4	74.4	74.4	74.4
40°	85.8	82.5	79.1	75.4	72.0	70.6	69.2	67.8	66.3	66.3	66.3
42.5°	78.7	75.4	72.0	68.7	65.4	64.0	62.1	60.7	58.8	58.8	58.8
45°	73.0	69.7	66.8	63.5	60.2	57.8	55.4	52.6	50.2	49.8	49.3
47.5°	71.1	66.3	61.6	56.9	52.1	49.8	47.4	44.5	42.2	41.7	41.2
50°	81.5	72.0	62.6	53.1	43.6	41.7	39.8	37.9	36.0	35.1	34.6
52.5°	77.2	67.3	57.3	47.4	37.4	36.0	34.6	33.2	31.8	30.8	29.9
55°	49.8	45.5	41.7	37.4	33.2	32.2	31.3	29.9	28.9	28.0	27.0
57.5°	39.8	37.4	35.5	33.2	30.8	29.9	28.9	27.5	26.5	25.1	24.2
60°	36.0	34.1	32.2	30.3	28.4	27.5	26.5	25.6	24.6	23.2	22.3
62.5°	32.7	31.3	29.9	28.4	27.0	26.1	25.1	24.2	23.2	21.8	20.4
65°	29.4	28.4	27.5	26.5	25.6	24.6	23.7	22.3	21.3	19.9	18.5
67.5°	27.0	26.5	26.1	25.6	25.1	24.2	22.7	21.8	20.4	19.0	17.1
70°	25.6	25.6	25.6	25.1	25.1	24.2	22.7	21.8	20.4	18.5	17.1
72.5°	24.2	24.6	25.1	25.1	25.6	24.2	22.7	21.3	19.9	18.0	16.6
75°	23.2	23.7	24.2	24.2	24.6	23.7	22.7	21.3	20.4	18.5	16.6
77.5°	23.7	24.2	24.2	24.6	24.6	23.7	22.7	21.3	20.4	18.0	15.6
80°	23.7	23.2	22.7	21.8	21.3	19.4	17.5	15.2	13.3	10.4	8.1
82.5°	18.5	17.5	17.1	16.1	15.2	13.3	11.4	9.5	7.6	5.7	3.8
85°	14.7	13.7	13.3	12.3	11.4	10.0	8.1	6.6	4.7	3.8	2.4
87.5°	7.6	7.1	6.2	5.7	4.7	3.8	2.4	1.4	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: P596399  
 CATALOG NUMBER: MSA-SA4A-722-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: P596399  
 CATALOG NUMBER: MSA-SA4A-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9
2.5°	982.9	1007.1	1003.8	1000.5	1016.1	1031.7	1020.4	1009.5	998.1	986.7	963.0
5°	993.8	995.7	992.4	988.6	989.1	989.6	982.0	974.4	966.8	959.2	957.8
7.5°	793.8	801.4	811.8	821.8	822.3	822.3	816.6	810.9	804.7	799.0	801.9
10°	562.1	560.2	563.0	565.9	565.4	564.4	579.6	594.8	609.5	624.6	613.7
12.5°	416.1	418.5	406.6	394.8	399.0	402.8	405.2	407.6	409.9	412.3	418.9
15°	251.7	244.5	236.0	227.5	231.7	235.5	239.8	243.6	247.9	251.7	255.9
17.5°	175.4	173.0	169.2	164.9	165.4	165.9	166.3	166.8	166.8	167.3	168.2
20°	152.1	153.6	150.7	147.4	146.4	145.0	144.1	143.1	141.7	140.8	139.3
22.5°	134.1	135.1	135.5	135.5	133.6	131.3	129.4	128.0	126.1	124.2	123.2
25°	121.8	122.7	121.8	120.4	119.4	118.5	117.5	116.1	115.2	113.7	113.3
27.5°	111.4	112.8	112.8	112.3	111.4	110.0	107.6	105.7	103.3	100.9	101.4
30°	100.5	102.4	102.4	101.9	101.4	100.9	98.6	96.2	93.8	91.5	92.4
32.5°	92.4	93.4	92.9	92.4	92.4	91.9	90.0	88.6	86.7	84.8	84.8
35°	82.0	82.5	82.5	82.5	82.5	82.0	80.6	79.1	77.7	76.3	76.8
37.5°	74.4	74.4	75.8	76.8	75.8	74.9	73.9	72.5	71.6	70.1	70.1
40°	65.9	65.9	67.3	68.2	67.3	66.3	65.9	64.9	64.5	63.5	63.5
42.5°	58.3	58.3	59.7	60.7	60.7	60.2	59.2	58.3	57.3	56.4	56.9
45°	48.8	48.3	50.7	52.6	51.7	50.7	50.7	50.2	50.2	49.8	50.2
47.5°	40.3	39.8	41.7	43.6	43.1	42.2	42.2	42.2	42.2	42.2	42.7
50°	33.6	32.7	34.6	36.0	35.5	34.6	34.6	35.1	35.1	35.1	35.5
52.5°	28.9	28.0	29.4	30.3	29.9	29.4	29.4	29.9	29.9	29.9	30.3
55°	25.6	24.6	26.1	27.0	26.5	25.6	26.1	26.1	26.5	26.5	26.5
57.5°	22.7	21.3	22.3	23.2	23.2	22.7	23.2	23.2	23.7	23.7	23.7
60°	20.9	19.4	20.4	20.9	20.9	20.4	20.9	20.9	21.3	21.3	21.3
62.5°	18.5	17.1	18.0	18.5	18.5	18.0	18.5	18.5	19.0	19.0	19.0
65°	16.6	15.2	15.6	16.1	16.1	16.1	16.6	16.6	17.1	17.1	17.1
67.5°	15.6	13.7	14.2	14.7	14.7	14.7	15.2	15.2	15.6	15.6	16.1
70°	15.2	13.3	13.7	13.7	14.2	14.2	14.2	14.7	14.7	14.7	14.7
72.5°	14.7	12.8	12.8	12.8	13.3	13.3	13.3	13.7	13.7	13.7	13.7
75°	14.7	12.8	12.3	11.8	12.3	12.3	12.3	12.8	12.8	12.8	12.8
77.5°	12.8	10.4	9.5	8.1	9.5	10.4	10.9	10.9	11.4	11.4	11.4
80°	5.2	2.4	1.4	0.0	0.5	0.9	1.4	1.9	2.4	2.8	3.3
82.5°	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.4	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: P596399  
 CATALOG NUMBER: MSA-SA4A-722-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: P596399  
 CATALOG NUMBER: MSA-SA4A-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9
2.5°	939.3	915.6	891.9	903.3	914.7	926.0	937.4	936.5	935.1	934.1	932.7
5°	956.9	955.4	954.0	947.4	941.2	934.6	927.9	926.5	924.6	923.2	921.3
7.5°	804.7	807.1	809.9	802.4	794.8	787.2	779.6	760.2	740.7	720.8	701.4
10°	602.8	591.5	580.6	579.6	578.7	577.7	576.8	574.9	573.0	570.6	568.7
12.5°	426.1	432.7	439.3	437.0	434.6	431.7	429.4	432.7	436.5	439.8	443.1
15°	259.7	264.0	267.8	276.3	284.8	293.4	301.9	305.2	309.0	312.3	315.6
17.5°	169.2	169.7	170.6	180.1	189.1	198.6	207.6	213.7	219.9	225.6	231.7
20°	137.9	136.5	135.1	140.3	145.5	150.7	155.9	161.6	167.3	173.0	178.7
22.5°	122.7	121.8	120.9	122.7	124.6	126.1	128.0	132.2	137.0	141.2	145.5
25°	112.8	111.8	111.4	112.3	113.3	114.2	115.2	117.5	119.9	122.3	124.6
27.5°	101.4	101.9	101.9	102.8	103.3	104.3	104.7	105.7	107.1	108.1	109.0
30°	92.9	93.8	94.3	95.3	95.7	96.7	97.2	96.7	96.2	95.7	95.3
32.5°	84.8	84.4	84.4	85.3	85.8	86.7	87.2	88.1	89.1	89.6	90.5
35°	76.8	77.2	77.2	77.2	77.7	77.7	77.7	78.7	80.1	81.0	82.0
37.5°	69.7	69.7	69.2	70.6	71.6	73.0	73.9	74.9	76.3	77.2	78.2
40°	63.5	63.5	63.5	64.5	65.4	65.9	66.8	69.2	71.6	73.9	76.3
42.5°	56.9	57.3	57.3	58.3	59.2	59.7	60.7	62.6	64.0	65.9	67.3
45°	50.7	51.2	51.7	52.6	53.1	54.0	54.5	55.4	55.9	56.9	57.3
47.5°	43.6	44.1	44.5	45.5	46.0	46.9	47.4	46.9	46.9	46.4	46.0
50°	36.5	37.0	37.4	38.9	39.8	41.2	42.2	41.2	40.3	38.9	37.9
52.5°	30.8	30.8	31.3	32.2	33.2	33.6	34.6	34.1	33.6	33.2	32.7
55°	26.5	26.5	26.5	27.0	27.5	28.0	28.4	28.9	28.9	29.4	29.4
57.5°	23.7	23.2	23.2	23.7	24.2	24.2	24.6	25.1	25.1	25.6	25.6
60°	21.3	20.9	20.9	21.3	21.8	22.3	22.7	22.7	22.7	22.3	22.3
62.5°	19.0	19.0	19.0	19.4	19.4	19.9	19.9	19.9	20.4	20.4	20.4
65°	17.5	17.5	17.5	17.5	17.5	17.1	17.1	17.5	17.5	18.0	18.0
67.5°	16.1	16.6	16.6	16.1	15.6	15.2	14.7	15.2	15.2	15.6	15.6
70°	14.7	14.7	14.7	14.2	13.7	13.3	12.8	12.8	12.8	12.3	12.3
72.5°	13.7	13.3	13.3	12.8	11.8	11.4	10.4	10.0	10.0	9.5	9.0
75°	12.8	12.3	12.3	11.4	10.4	9.5	8.5	8.1	7.1	6.6	5.7
77.5°	11.4	11.4	11.4	10.0	9.0	7.6	6.2	5.2	4.3	2.8	1.9
80°	3.8	4.3	4.7	4.3	4.3	3.8	3.3	2.4	1.9	0.9	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: P596399  
 CATALOG NUMBER: MSA-SA4A-722-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: P596399  
 CATALOG NUMBER: MSA-SA4A-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9
2.5°	937.9	943.1	948.3	953.5	954.0	954.5	955.0	955.4	943.6	931.3	919.4
5°	930.8	940.7	950.2	959.7	954.5	949.3	944.1	938.8	938.4	938.4	937.9
7.5°	702.8	703.8	705.2	706.1	708.0	709.9	711.4	713.3	720.8	728.4	735.5
10°	562.5	556.4	549.8	543.6	538.9	533.6	528.9	523.7	527.5	531.7	535.5
12.5°	437.9	432.7	427.0	421.8	419.9	418.0	415.6	413.7	426.1	438.4	450.2
15°	314.7	313.7	312.3	311.4	317.5	323.7	329.9	336.0	346.4	356.4	366.8
17.5°	234.1	236.5	238.9	241.2	245.0	248.8	252.1	255.9	263.5	271.6	279.1
20°	181.5	184.8	187.7	190.5	189.6	188.6	187.2	186.3	192.4	198.6	204.3
22.5°	148.3	150.7	153.6	155.9	156.4	156.9	157.3	157.8	161.6	164.9	168.7
25°	127.0	129.9	132.2	134.6	135.1	135.5	136.0	136.5	141.2	146.0	150.2
27.5°	112.3	115.2	118.5	121.3	122.3	123.2	124.2	125.1	128.0	130.3	133.2
30°	99.1	102.8	106.6	110.4	111.8	113.3	114.7	116.1	119.0	122.3	125.1
32.5°	92.4	94.8	96.7	98.6	101.9	104.7	108.1	110.9	114.2	118.0	121.3
35°	84.8	87.2	90.0	92.4	94.8	97.2	99.1	101.4	103.3	105.2	106.6
37.5°	80.1	82.5	84.4	86.3	87.2	88.1	88.6	89.6	90.5	91.5	91.9
40°	76.3	75.8	75.8	75.4	76.3	77.7	78.7	79.6	82.5	84.8	87.7
42.5°	66.3	64.9	64.0	62.6	64.9	66.8	69.2	71.1	74.9	78.7	82.5
45°	56.4	55.4	54.0	53.1	56.4	59.7	63.0	66.3	70.6	74.4	78.7
47.5°	46.4	46.9	46.9	47.4	50.7	54.0	56.9	60.2	64.5	68.7	73.0
50°	38.9	39.8	40.8	41.7	45.0	47.9	51.2	54.0	58.8	63.0	67.8
52.5°	34.1	35.5	36.5	37.9	40.8	44.1	46.9	49.8	54.0	58.3	62.6
55°	30.8	32.7	34.1	35.5	37.9	40.3	42.7	45.0	49.3	53.6	57.3
57.5°	27.0	28.4	29.9	31.3	33.6	36.0	37.9	40.3	44.1	48.3	52.1
60°	23.7	24.6	26.1	27.0	28.9	31.3	33.2	35.1	38.9	42.7	46.0
62.5°	20.9	21.8	22.3	22.7	24.6	26.5	28.4	30.3	33.6	37.4	40.8
65°	18.5	19.0	19.0	19.4	20.9	22.7	24.2	25.6	29.4	32.7	36.5
67.5°	15.6	16.1	16.1	16.1	17.5	19.0	20.4	21.8	25.1	28.9	32.2
70°	12.3	12.8	12.8	12.8	14.2	16.1	17.5	19.0	21.8	24.6	27.5
72.5°	9.5	9.5	10.0	10.0	11.4	13.3	14.7	16.1	18.5	20.9	23.2
75°	6.2	6.6	6.6	7.1	8.5	10.4	11.8	13.3	15.6	18.0	19.9
77.5°	2.4	3.3	3.8	4.3	5.7	7.1	8.5	10.0	11.8	14.2	16.1
80°	0.0	0.5	0.5	0.5	1.4	1.9	2.8	3.3	4.7	6.6	8.1
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: P596399  
 CATALOG NUMBER: MSA-SA4A-722-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: P596399  
 CATALOG NUMBER: MSA-SA4A-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9
2.5°	907.1	933.2	959.2	985.3	1011.4	1043.6	1075.8	1080.5	1085.3	1079.6	1074.4
5°	937.4	950.2	962.5	975.3	987.7	1024.6	1061.1	1061.6	1061.6	1062.1	1062.1
7.5°	743.1	754.0	764.9	775.3	786.2	810.4	834.6	843.6	852.1	850.2	848.3
10°	539.3	553.5	567.3	581.5	595.2	617.5	639.8	648.3	656.4	682.5	709.0
12.5°	462.6	476.3	490.0	503.3	517.1	539.8	562.5	579.1	595.2	611.4	627.5
15°	376.8	387.7	399.0	409.9	420.8	431.3	441.7	462.1	482.0	498.1	514.2
17.5°	286.7	291.5	295.7	300.5	304.7	309.5	314.2	322.7	330.8	345.0	358.8
20°	210.4	214.2	218.0	221.3	225.1	229.9	234.6	240.8	246.4	249.8	252.6
22.5°	172.0	177.7	183.4	188.6	194.3	197.6	200.9	202.8	204.7	206.2	207.6
25°	155.0	160.2	164.9	170.1	174.9	176.3	177.7	181.5	185.3	185.3	185.3
27.5°	135.5	142.7	150.2	157.3	164.5	166.3	167.8	169.2	170.1	168.2	165.9
30°	128.0	135.1	142.2	148.8	155.9	158.8	161.1	162.6	164.0	161.6	159.2
32.5°	124.6	131.3	137.4	144.1	150.2	154.0	157.3	161.1	164.5	164.9	165.9
35°	108.5	112.8	117.5	121.8	126.1	128.0	129.9	131.3	132.2	132.2	132.2
37.5°	92.9	98.6	104.7	110.4	116.1	120.4	124.6	125.1	125.1	126.1	127.5
40°	90.0	95.7	101.4	106.6	112.3	117.1	121.3	121.8	122.3	123.2	124.2
42.5°	86.3	92.4	98.6	104.7	110.9	115.6	119.9	119.9	119.4	120.9	121.8
45°	82.5	88.6	94.3	100.5	106.2	112.3	118.0	116.6	114.7	117.1	119.0
47.5°	77.2	83.9	90.5	96.7	103.3	109.0	114.2	113.3	111.8	114.2	116.6
50°	72.0	78.7	85.3	91.9	98.6	104.7	110.4	109.5	108.5	111.4	113.7
52.5°	66.8	73.5	80.6	87.2	93.8	99.1	103.8	103.3	102.8	105.7	109.0
55°	61.6	67.8	74.4	80.6	86.7	92.4	97.6	96.7	95.7	98.1	100.5
57.5°	55.9	62.1	67.8	73.9	79.6	84.4	88.6	87.2	85.8	88.6	91.5
60°	49.8	55.4	61.1	66.3	72.0	75.8	79.1	78.2	76.8	79.6	82.5
62.5°	44.1	49.3	54.5	59.2	64.5	67.3	70.1	69.2	68.2	71.1	74.4
65°	39.8	44.1	47.9	52.1	55.9	58.8	61.6	60.2	58.8	62.1	64.9
67.5°	35.5	38.9	42.7	46.0	49.3	51.7	54.0	53.1	51.7	54.0	56.4
70°	30.3	33.6	37.0	39.8	43.1	45.5	47.9	46.4	44.5	46.9	49.3
72.5°	25.6	28.4	31.3	33.6	36.5	38.4	40.3	38.9	37.4	39.3	41.2
75°	22.3	24.6	27.0	28.9	31.3	32.2	33.2	32.7	31.8	33.6	35.1
77.5°	18.0	19.9	22.3	24.2	26.1	26.1	26.1	26.5	26.5	28.4	30.8
80°	9.5	11.4	13.3	14.7	16.6	16.6	16.1	17.1	17.5	19.9	22.3
82.5°	0.0	1.4	2.8	4.3	5.7	5.2	4.3	4.7	4.7	5.7	6.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9
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: P596399  
 CATALOG NUMBER: MSA-SA4A-722-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: P596399

CATALOG NUMBER: MSA-SA4A-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9
2.5°	1068.7	1063.0	1059.2	1055.9	1052.1	1048.3	1053.1	1057.8	1062.1	1066.8	1081.0
5°	1062.5	1062.5	1059.2	1055.9	1052.6	1049.3	1056.4	1063.0	1070.1	1076.8	1076.3
7.5°	846.0	844.1	864.0	883.4	903.3	922.7	927.9	933.2	937.9	943.1	941.7
10°	735.1	761.1	769.7	778.2	786.7	795.2	805.7	816.1	826.5	837.0	840.7
12.5°	643.6	659.7	687.2	714.2	741.7	768.7	782.4	796.7	810.4	824.2	851.2
15°	530.3	546.4	570.1	593.8	617.5	641.2	663.0	685.3	707.1	728.9	761.6
17.5°	373.0	386.7	404.7	422.7	440.3	458.3	491.9	525.6	559.2	592.9	627.5
20°	255.9	258.8	267.3	276.3	284.8	293.4	323.7	354.5	384.8	415.2	460.7
22.5°	208.5	209.9	214.2	218.5	222.3	226.5	242.2	258.3	273.9	289.6	326.5
25°	184.8	184.8	187.7	190.5	193.4	196.2	204.7	213.3	221.3	229.9	253.5
27.5°	164.0	161.6	165.9	170.1	174.4	178.7	184.8	191.5	197.6	203.8	219.9
30°	156.9	154.5	159.7	164.9	170.1	175.4	181.5	187.7	193.4	199.5	210.4
32.5°	166.3	166.8	168.7	170.6	172.0	173.9	176.8	180.1	182.9	185.8	195.3
35°	132.2	132.2	135.5	138.9	141.7	145.0	150.2	155.4	160.7	165.9	175.8
37.5°	128.4	129.4	132.2	135.5	138.4	141.2	147.9	155.0	161.6	168.2	176.3
40°	124.6	125.6	129.4	133.2	137.0	140.8	147.4	153.6	160.2	166.3	173.9
42.5°	123.2	124.2	128.9	134.1	138.9	143.6	149.3	155.0	160.2	165.9	176.3
45°	121.3	123.2	128.9	135.1	140.8	146.4	151.7	156.9	162.1	167.3	180.1
47.5°	118.5	120.9	127.5	133.6	140.3	146.4	156.4	166.8	176.8	186.7	192.9
50°	116.6	119.0	126.1	133.2	140.3	147.4	163.5	179.6	195.3	211.4	208.1
52.5°	111.8	114.7	123.7	132.7	141.7	150.7	164.9	179.1	193.4	207.6	200.9
55°	102.8	105.2	115.6	126.1	136.0	146.4	156.9	167.3	177.2	187.7	180.1
57.5°	93.8	96.7	106.6	116.6	126.1	136.0	141.2	146.4	151.7	156.9	154.0
60°	85.3	88.1	101.4	114.7	128.0	141.2	136.5	131.8	126.5	121.8	125.1
62.5°	77.2	80.1	92.9	105.2	118.0	130.3	123.7	117.1	110.4	103.8	109.0
65°	68.2	71.1	75.8	81.0	85.8	90.5	90.0	89.1	88.6	87.7	93.4
67.5°	58.8	61.1	63.5	66.3	68.7	71.1	72.5	74.4	75.8	77.2	82.0
70°	51.2	53.6	56.4	58.8	61.6	64.0	64.9	65.9	66.3	67.3	71.6
72.5°	42.7	44.5	48.3	52.1	55.4	59.2	59.7	59.7	60.2	60.2	63.5
75°	37.0	38.4	41.2	44.1	46.4	49.3	50.7	52.1	53.1	54.5	56.4
77.5°	32.7	34.6	35.5	36.0	37.0	37.4	38.4	39.3	40.3	41.2	41.7
80°	24.2	26.5	27.5	28.0	28.9	29.4	29.4	28.9	28.9	28.4	28.9
82.5°	7.6	8.5	10.0	11.4	12.8	14.2	14.7	15.2	15.2	15.6	15.2
85°	1.4	1.9	2.8	3.8	4.3	5.2	4.7	3.8	3.3	2.4	1.9
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: P596399  
 CATALOG NUMBER: MSA-SA4A-722-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: P596399  
 CATALOG NUMBER: MSA-SA4A-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9
2.5°	1095.2	1109.0	1123.2	1117.5	1111.8	1106.1	1100.5	1101.4	1102.8	1103.8	1104.7
5°	1075.8	1074.9	1074.4	1090.5	1107.1	1123.2	1139.3	1156.8	1174.9	1192.4	1209.9
7.5°	940.3	938.4	936.9	957.8	978.7	999.5	1020.4	1044.5	1069.2	1093.3	1117.5
10°	844.5	848.3	852.1	860.6	869.7	878.2	886.7	909.9	933.2	955.9	979.1
12.5°	878.2	904.7	931.7	936.9	941.7	946.9	951.6	955.0	958.3	961.6	964.9
15°	794.8	827.5	860.2	873.9	887.2	900.9	914.2	949.3	983.9	1018.9	1053.5
17.5°	662.1	696.2	730.8	772.0	813.3	854.5	895.7	933.6	971.5	1009.5	1047.4
20°	506.6	552.1	597.6	649.8	702.4	754.5	806.6	844.5	882.0	919.9	957.3
22.5°	364.0	400.9	437.9	500.9	563.5	626.5	689.1	755.0	821.3	887.2	953.1
25°	277.2	300.5	324.2	386.2	448.3	509.9	572.0	662.5	753.1	843.6	934.1
27.5°	235.5	251.7	267.3	323.2	379.1	434.6	490.5	598.1	705.7	813.3	920.8
30°	221.8	232.7	243.6	291.0	338.9	386.2	433.6	542.6	651.6	760.6	869.7
32.5°	204.7	213.7	223.2	264.9	306.6	347.9	389.6	496.2	602.8	709.0	815.6
35°	185.3	195.3	204.7	246.4	288.1	329.4	371.1	481.5	591.9	702.4	812.8
37.5°	183.9	191.9	199.5	247.9	296.7	345.0	393.4	503.8	614.2	724.2	834.6
40°	182.0	189.6	197.2	246.4	295.3	344.5	393.4	509.0	624.6	740.3	855.9
42.5°	186.7	196.7	207.1	250.7	294.3	337.4	381.0	502.8	624.6	746.0	867.8
45°	193.4	206.2	219.0	258.8	298.6	338.4	378.2	510.4	642.6	774.4	906.6
47.5°	199.5	205.7	211.8	249.8	287.2	325.1	362.6	497.6	632.7	767.8	902.8
50°	205.2	201.9	198.6	240.3	282.0	323.2	364.9	493.8	622.3	751.2	879.6
52.5°	193.8	187.2	180.1	224.6	269.2	313.3	357.8	487.7	617.5	747.4	877.2
55°	172.5	164.9	157.3	201.4	245.0	289.1	332.7	462.1	591.5	720.8	850.2
57.5°	150.7	147.9	144.5	178.2	211.8	245.0	278.7	422.3	566.3	709.9	853.5
60°	128.4	131.3	134.6	158.8	182.9	206.6	230.8	371.6	511.8	652.6	792.9
62.5°	113.7	119.0	123.7	144.1	164.9	185.3	205.7	338.4	471.1	603.8	736.5
65°	99.5	105.2	110.9	135.1	159.7	183.9	208.1	320.4	432.7	545.0	657.3
67.5°	86.7	91.0	95.7	127.5	159.2	191.0	222.7	314.7	406.2	498.1	589.6
70°	75.8	79.6	83.9	120.9	157.8	194.8	231.7	309.9	388.6	466.8	545.0
72.5°	66.8	70.1	73.5	110.9	148.3	185.8	223.2	292.9	362.1	431.7	500.9
75°	58.3	59.7	61.6	93.4	124.6	156.4	187.7	234.1	281.0	327.5	373.9
77.5°	42.2	42.2	42.7	52.1	61.1	70.6	79.6	108.5	137.4	165.9	194.8
80°	28.9	29.4	29.4	33.2	36.5	40.3	43.6	49.8	55.4	61.6	67.3
82.5°	14.7	13.7	13.3	17.1	20.9	24.6	28.4	29.9	30.8	32.2	33.2
85°	1.4	0.5	0.0	2.4	4.7	7.1	9.5	11.4	13.3	15.2	17.1
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: P596399  
 CATALOG NUMBER: MSA-SA4A-722-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: P596399

CATALOG NUMBER: MSA-SA4A-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9
2.5°	1100.9	1097.1	1093.3	1089.6	1112.8	1136.5	1159.7	1182.9	1248.8	1291.9	1287.2
5°	1227.0	1244.1	1261.1	1278.2	1305.7	1333.6	1361.1	1388.6	1486.2	1545.9	1554.5
7.5°	1144.1	1170.1	1196.7	1222.7	1275.8	1328.4	1381.5	1434.1	1514.2	1576.3	1611.3
10°	1009.0	1038.8	1068.2	1098.1	1157.8	1218.0	1277.7	1337.4	1427.5	1513.2	1557.3
12.5°	1011.8	1058.7	1105.7	1152.6	1204.7	1256.8	1308.5	1360.6	1415.6	1444.5	1506.6
15°	1090.5	1127.5	1164.4	1201.4	1269.6	1337.9	1405.7	1473.9	1506.6	1576.3	1648.8
17.5°	1119.4	1191.9	1264.0	1336.0	1421.3	1506.1	1591.4	1676.3	1737.9	1834.6	1909.4
20°	1065.9	1174.4	1282.4	1391.0	1508.0	1625.1	1742.1	1859.2	1926.5	2018.4	2134.1
22.5°	1068.2	1183.4	1298.1	1413.2	1574.9	1736.0	1897.6	2058.7	2239.3	2416.5	2472.9
25°	1084.8	1235.5	1385.8	1536.5	1723.2	1909.9	2096.6	2283.4	2501.4	2687.6	2762.5
27.5°	1090.5	1260.2	1429.4	1599.0	1864.4	2129.8	2395.2	2660.6	2920.8	3131.2	3211.3
30°	1076.8	1284.3	1491.4	1698.5	2024.1	2349.7	2675.3	3000.9	3247.8	3492.8	3592.3
32.5°	1080.1	1344.5	1609.0	1873.4	2256.8	2640.7	3024.1	3407.5	3565.3	3786.2	3961.5
35°	1102.8	1392.9	1682.4	1972.5	2396.6	2820.8	3245.0	3669.1	3927.9	4161.1	4309.9
37.5°	1155.9	1477.2	1798.1	2119.4	2640.7	3162.5	3683.8	4205.1	4605.6	5006.1	5074.3
40°	1195.2	1534.6	1873.9	2213.2	2818.4	3423.6	4028.8	4634.0	5087.1	5521.7	5568.1
42.5°	1239.8	1611.3	1983.4	2354.9	3031.7	3708.5	4385.2	5062.0	5586.6	6029.7	6060.5
45°	1288.6	1671.1	2053.0	2435.0	3144.0	3852.5	4561.5	5270.0	5882.8	6397.5	6281.4
47.5°	1311.8	1720.8	2129.8	2538.8	3299.0	4058.7	4818.9	5578.6	6128.3	6582.3	6446.8
50°	1329.8	1779.6	2229.8	2679.6	3476.7	4273.8	5071.0	5868.1	6419.3	6838.3	6625.9
52.5°	1380.5	1883.4	2386.7	2889.5	3737.4	4584.7	5432.6	6280.0	6813.1	7198.0	6900.3
55°	1429.8	2009.0	2588.6	3167.7	4079.5	4991.8	5903.7	6815.5	7346.3	7676.2	7271.9
57.5°	1491.9	2130.8	2769.1	3407.5	4382.9	5358.2	6333.1	7308.4	7827.3	8191.8	7771.9
60°	1475.8	2158.3	2841.2	3523.6	4517.0	5510.3	6503.7	7497.0	8113.6	8561.4	8276.6
62.5°	1413.2	2090.0	2766.3	3443.1	4418.9	5394.2	6370.0	7345.4	8084.2	8690.8	8595.1
65°	1286.7	1915.6	2545.0	3173.9	4105.6	5037.8	5969.6	6901.3	7813.1	8585.1	8619.3
67.5°	1120.4	1651.2	2181.5	2712.3	3581.4	4450.6	5319.3	6188.5	7264.8	8165.2	8266.7
70°	944.1	1342.6	1741.7	2140.2	2905.2	3670.1	4434.5	5199.4	6318.4	7224.5	7416.0
72.5°	756.9	1013.3	1269.2	1525.1	2077.2	2628.9	3181.0	3732.6	4717.0	5420.3	5754.4
75°	490.5	607.1	723.7	840.3	1208.0	1575.3	1943.1	2310.4	2963.9	3481.9	3859.6
77.5°	218.5	242.2	265.4	289.1	573.0	856.9	1140.7	1424.6	1708.5	2021.3	2109.9
80°	78.2	88.6	99.5	110.0	249.3	389.1	528.4	667.8	805.2	966.8	1006.1
82.5°	32.7	32.7	32.2	31.8	81.5	131.3	181.0	230.8	266.8	306.6	314.2
85°	13.3	10.0	6.2	2.4	10.4	19.0	27.0	35.1	56.4	51.2	94.8
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: P596399  
 CATALOG NUMBER: MSA-SA4A-722-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: P596399

CATALOG NUMBER: MSA-SA4A-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9
2.5°	1269.2	1268.2	1267.3	1266.3	1265.4	1248.3	1231.7	1214.7	1198.1	1218.9	1239.8
5°	1540.7	1565.4	1590.0	1615.1	1639.8	1646.9	1654.0	1661.1	1668.2	1683.4	1698.5
7.5°	1640.7	1682.4	1723.7	1765.4	1806.6	1845.0	1882.9	1921.3	1959.7	1950.2	1940.7
10°	1606.1	1681.5	1756.8	1832.7	1908.0	1924.6	1941.2	1958.3	1974.8	2018.0	2061.1
12.5°	1568.7	1659.2	1749.7	1840.2	1930.8	1981.0	2030.8	2081.0	2131.2	2174.8	2218.4
15°	1746.4	1804.2	1862.0	1920.3	1978.2	2022.2	2065.8	2109.9	2153.5	2183.8	2213.7
17.5°	1980.1	2008.5	2036.9	2065.8	2094.3	2128.9	2163.5	2198.1	2232.7	2250.7	2268.7
20°	2227.0	2239.3	2251.6	2263.9	2276.3	2248.8	2221.3	2193.8	2166.3	2183.4	2200.0
22.5°	2474.8	2479.1	2483.8	2488.1	2492.4	2428.4	2364.4	2300.4	2236.4	2209.4	2182.4
25°	2856.3	2825.1	2793.8	2762.5	2731.2	2655.4	2579.6	2503.7	2427.9	2361.1	2294.3
27.5°	3269.6	3163.4	3057.8	2951.6	2845.9	2770.1	2694.3	2618.4	2542.6	2442.1	2341.7
30°	3686.2	3515.1	3344.5	3173.4	3002.8	2912.7	2822.7	2732.2	2642.1	2541.7	2441.7
32.5°	4068.2	3862.5	3656.8	3450.6	3245.0	3093.3	2941.6	2790.0	2638.3	2568.2	2498.1
35°	4384.7	4141.6	3898.5	3654.9	3411.8	3261.5	3111.3	2961.1	2810.8	2706.6	2602.8
37.5°	4926.0	4652.5	4379.1	4105.6	3832.2	3626.9	3422.2	3217.0	3011.8	2942.1	2872.5
40°	5425.0	5080.5	4735.9	4391.4	4046.8	3874.8	3703.2	3531.2	3359.6	3245.4	3131.7
42.5°	5821.7	5458.7	5096.1	4733.1	4370.1	4199.9	4030.3	3860.1	3690.0	3613.7	3537.8
45°	5907.5	5565.3	5223.6	4881.4	4539.2	4440.2	4341.6	4242.6	4144.0	4091.4	4039.3
47.5°	6076.7	5705.6	5335.0	4963.9	4592.8	4548.3	4503.7	4458.7	4414.1	4439.2	4464.4
50°	6171.4	5792.8	5414.1	5035.4	4656.8	4669.6	4681.9	4694.7	4707.5	4885.7	5063.4
52.5°	6355.3	5972.9	5590.4	5208.0	4825.5	4906.1	4986.2	5066.7	5146.8	5392.3	5637.3
55°	6683.8	6307.9	5932.1	5555.8	5180.0	5286.2	5392.3	5498.9	5605.1	5865.8	6125.9
57.5°	7170.5	6797.5	6425.0	6052.0	5679.5	5785.2	5890.9	5996.6	6102.2	6337.8	6572.9
60°	7783.3	7400.3	7017.9	6634.9	6252.5	6292.3	6331.6	6371.4	6411.2	6664.3	6916.9
62.5°	8260.5	7908.4	7556.7	7204.6	6852.9	6808.9	6765.3	6721.2	6677.6	6870.0	7061.9
65°	8371.4	8123.5	7876.1	7628.3	7380.4	7244.9	7109.8	6974.3	6838.7	6916.5	6994.2
67.5°	8053.9	7886.6	7719.8	7552.5	7385.2	7102.2	6819.3	6535.9	6253.0	6211.7	6170.5
70°	7316.9	7225.4	7134.5	7043.0	6952.0	6516.0	6080.4	5644.4	5208.9	5104.2	4999.4
72.5°	5773.8	5830.7	5887.6	5944.9	6001.8	5535.0	5068.6	4601.8	4135.0	4002.3	3870.1
75°	4071.5	4264.4	4457.3	4650.1	4843.0	4417.4	3992.3	3566.8	3141.2	3013.7	2886.7
77.5°	2207.5	2569.1	2930.7	3292.4	3654.0	3302.8	2952.1	2600.9	2249.7	2161.1	2072.9
80°	1046.4	1255.0	1463.0	1671.5	1880.1	1800.9	1721.8	1642.1	1563.0	1582.4	1601.9
82.5°	320.8	471.6	622.3	773.0	923.7	935.5	946.9	958.7	970.6	1000.0	1028.9
85°	107.6	147.4	187.2	227.0	266.8	337.0	407.1	477.7	547.9	502.4	457.3
87.5°	0.0	1.4	2.4	3.8	4.7	14.7	24.6	34.6	44.5	38.4	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: P596399  
 CATALOG NUMBER: MSA-SA4A-722-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: P596399

CATALOG NUMBER: MSA-SA4A-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9
2.5°	1261.1	1282.0	1282.4	1283.4	1283.9	1284.3	1286.7	1289.1	1291.9	1294.3	1278.6
5°	1714.2	1729.3	1701.4	1673.4	1645.0	1617.0	1642.1	1667.3	1692.4	1717.5	1706.6
7.5°	1930.8	1921.3	1918.0	1915.1	1911.8	1909.0	1918.4	1927.9	1937.4	1946.9	1945.9
10°	2104.2	2147.4	2157.8	2168.2	2179.1	2189.5	2167.7	2145.9	2124.1	2102.3	2093.3
12.5°	2262.0	2305.6	2340.2	2374.8	2409.9	2444.5	2413.2	2382.4	2351.1	2320.3	2291.0
15°	2244.0	2273.9	2302.3	2330.8	2359.2	2387.6	2377.2	2367.3	2356.8	2346.4	2341.7
17.5°	2287.2	2305.2	2298.5	2291.9	2284.8	2278.2	2274.8	2272.0	2268.7	2265.4	2254.0
20°	2217.0	2234.1	2229.8	2226.0	2221.8	2217.5	2214.6	2211.8	2209.0	2206.1	2197.1
22.5°	2155.4	2128.4	2121.3	2114.7	2107.5	2100.9	2101.9	2102.8	2103.3	2104.2	2145.0
25°	2227.4	2160.6	2134.6	2108.5	2081.9	2055.9	2067.7	2079.1	2091.0	2102.8	2161.6
27.5°	2240.7	2140.2	2098.5	2056.8	2015.1	1973.4	2016.1	2058.7	2101.4	2144.0	2239.3
30°	2341.2	2241.2	2182.9	2125.1	2066.8	2009.0	2063.5	2118.0	2172.5	2227.0	2330.3
32.5°	2427.4	2357.3	2315.6	2273.9	2232.2	2190.5	2192.8	2194.7	2197.1	2199.5	2345.0
35°	2498.5	2394.7	2356.8	2319.4	2281.5	2244.0	2300.4	2356.8	2413.2	2469.6	2600.4
37.5°	2802.8	2733.1	2663.5	2594.3	2524.6	2455.4	2500.4	2545.4	2590.9	2636.0	2780.5
40°	3017.5	2903.7	2885.7	2868.2	2850.2	2832.6	2855.9	2878.6	2901.8	2925.1	3051.6
42.5°	3461.5	3385.2	3336.4	3288.1	3239.3	3190.9	3209.4	3227.9	3246.9	3265.3	3385.2
45°	3986.7	3934.0	3901.8	3869.6	3836.9	3804.7	3776.7	3749.2	3721.3	3693.8	3815.6
47.5°	4489.5	4514.6	4585.7	4656.3	4727.4	4798.0	4740.2	4682.4	4624.1	4566.3	4566.7
50°	5241.6	5419.3	5455.3	5490.9	5526.9	5562.4	5439.2	5316.0	5192.3	5069.1	5054.4
52.5°	5882.8	6127.8	6140.6	6153.4	6166.7	6179.5	6129.7	6080.0	6029.7	5980.0	5847.8
55°	6386.6	6646.8	6664.3	6681.4	6698.9	6716.0	6672.4	6629.3	6585.7	6542.1	6408.4
57.5°	6808.4	7043.5	7053.9	7063.8	7074.3	7084.7	7088.0	7091.3	7095.1	7098.4	6917.9
60°	7170.0	7423.1	7402.2	7381.8	7361.0	7340.6	7309.3	7278.1	7246.8	7215.5	7098.9
62.5°	7254.4	7446.8	7414.5	7382.8	7350.6	7318.8	7292.3	7266.2	7239.7	7213.1	7138.7
65°	7071.9	7149.6	7116.4	7083.3	7049.6	7016.4	6999.4	6982.8	6965.7	6948.7	6939.2
67.5°	6128.8	6087.6	6126.9	6166.2	6205.6	6244.9	6298.5	6352.0	6406.0	6459.6	6428.3
70°	4894.2	4789.5	4833.1	4876.2	4919.8	4962.9	5044.0	5125.0	5206.5	5287.6	5265.8
72.5°	3737.4	3604.7	3610.8	3617.0	3623.6	3629.8	3627.4	3625.5	3623.2	3620.8	3658.7
75°	2759.2	2631.7	2571.5	2511.3	2451.1	2390.9	2376.3	2361.6	2346.9	2332.2	2402.8
77.5°	1984.3	1896.2	1854.9	1814.2	1773.0	1732.2	1753.0	1773.9	1795.2	1816.1	1840.7
80°	1621.8	1641.2	1609.4	1578.2	1546.4	1514.7	1538.4	1561.6	1585.3	1609.0	1535.5
82.5°	1058.3	1087.2	989.6	891.9	794.3	696.7	755.9	815.1	874.9	934.1	903.8
85°	411.8	366.8	312.8	259.2	205.2	151.2	196.7	242.2	287.7	333.2	363.5
87.5°	26.5	20.9	16.6	12.3	7.6	3.3	7.1	10.9	15.2	19.0	31.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596399  
 CATALOG NUMBER: MSA-SA4A-722-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: P596399

CATALOG NUMBER: MSA-SA4A-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9	1001.9
2.5°	1263.5	1247.8	1232.7	1202.8	1173.0	1143.1	1113.2	1155.0	1196.7	1238.4	1280.1
5°	1696.2	1685.3	1674.8	1677.7	1680.5	1683.9	1686.7	1692.9	1699.0	1704.7	1710.9
7.5°	1945.5	1944.5	1943.6	1921.8	1900.0	1877.7	1855.9	1866.8	1877.7	1888.6	1899.5
10°	2084.8	2075.8	2066.8	2018.9	1971.1	1922.7	1874.8	1854.0	1832.7	1811.8	1791.0
12.5°	2261.6	2231.7	2202.3	2151.1	2100.4	2049.2	1998.1	1979.1	1959.7	1940.7	1921.3
15°	2337.4	2332.7	2328.4	2291.9	2254.9	2218.4	2181.5	2116.5	2051.1	1986.2	1921.3
17.5°	2242.6	2230.8	2219.4	2277.2	2334.6	2392.4	2450.2	2382.9	2315.6	2248.3	2181.0
20°	2188.1	2179.1	2170.1	2277.7	2384.8	2492.4	2599.5	2569.6	2539.3	2509.4	2479.6
22.5°	2185.7	2227.0	2267.7	2362.0	2455.9	2550.2	2644.0	2695.7	2747.8	2799.5	2851.1
25°	2220.3	2279.6	2338.3	2494.7	2651.1	2808.0	2964.4	3023.6	3082.4	3141.6	3200.4
27.5°	2334.1	2429.3	2524.1	2660.6	2797.1	2934.1	3070.6	3199.9	3329.8	3459.2	3588.6
30°	2433.1	2536.4	2639.8	2802.3	2964.4	3127.0	3289.0	3451.1	3613.2	3775.3	3937.4
32.5°	2490.5	2636.4	2781.9	2979.6	3176.7	3374.3	3572.0	3749.7	3927.4	4104.7	4282.4
35°	2731.2	2862.5	2993.3	3211.8	3430.3	3649.2	3867.7	4087.6	4307.5	4526.9	4746.8
37.5°	2925.1	3070.1	3214.6	3453.5	3691.9	3930.7	4169.6	4473.4	4777.6	5081.4	5385.2
40°	3178.1	3304.7	3431.2	3654.9	3878.1	4101.8	4325.5	4710.8	5096.1	5480.9	5866.2
42.5°	3504.7	3624.6	3744.5	3983.8	4223.1	4462.5	4701.8	5128.3	5554.9	5980.9	6407.5
45°	3937.4	4059.6	4181.4	4372.0	4562.5	4753.0	4943.5	5397.0	5850.1	6303.7	6756.7
47.5°	4567.2	4567.7	4568.2	4705.6	4843.0	4980.9	5118.4	5575.2	6031.6	6488.5	6944.9
50°	5039.7	5024.5	5009.9	5080.9	5151.6	5222.6	5293.7	5714.1	6134.9	6555.3	6975.7
52.5°	5716.0	5583.8	5452.0	5494.2	5535.9	5578.1	5619.8	5975.7	6332.1	6688.0	7043.9
55°	6275.2	6141.6	6007.9	5992.3	5976.7	5961.0	5945.4	6272.9	6600.3	6927.8	7255.3
57.5°	6737.8	6557.2	6377.1	6341.1	6305.6	6269.5	6233.5	6579.0	6924.0	7269.5	7614.5
60°	6982.8	6866.2	6749.6	6726.4	6702.7	6679.5	6655.8	6939.2	7222.6	7506.0	7789.4
62.5°	7064.8	6990.4	6916.5	6960.1	7003.7	7047.7	7091.3	7216.0	7340.1	7464.8	7588.9
65°	6930.2	6920.7	6911.2	7000.8	7089.9	7179.5	7269.1	7238.2	7207.0	7176.2	7145.4
67.5°	6397.5	6366.2	6335.4	6532.1	6728.3	6925.0	7121.7	6972.4	6822.6	6673.3	6524.0
70°	5244.0	5221.7	5199.9	5483.3	5766.7	6050.6	6334.0	6153.0	5971.9	5790.9	5609.8
72.5°	3696.1	3734.0	3772.0	4106.1	4439.7	4773.8	5107.5	4925.0	4742.6	4560.1	4377.6
75°	2472.9	2543.6	2614.2	2958.2	3302.3	3646.8	3990.9	3776.7	3562.5	3348.3	3134.1
77.5°	1865.4	1890.0	1914.7	2132.2	2349.7	2567.7	2785.3	2608.5	2431.2	2254.5	2077.2
80°	1462.1	1388.1	1314.7	1386.2	1457.8	1529.4	1600.9	1495.2	1389.5	1284.3	1178.6
82.5°	873.4	843.1	812.8	851.6	890.0	928.9	967.8	922.3	876.3	830.8	784.8
85°	393.4	423.7	453.5	492.9	531.7	571.1	610.4	546.9	483.4	419.9	356.4
87.5°	44.1	56.9	69.7	86.3	102.8	119.4	136.0	106.2	75.8	46.0	16.1
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: P596399  
 CATALOG NUMBER: MSA-SA4A-722-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: P596399  
 CATALOG NUMBER: MSA-SA4A-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	1001.9	1001.9
2.5°	1304.2	1328.4
5°	1710.4	1709.4
7.5°	1871.1	1842.1
10°	1764.4	1737.9
12.5°	1853.5	1785.7
15°	1870.1	1818.9
17.5°	2097.6	2013.7
20°	2372.0	2263.9
22.5°	2703.3	2554.9
25°	3024.1	2847.8
27.5°	3482.9	3376.7
30°	3830.3	3722.7
32.5°	4209.4	4136.4
35°	4674.3	4601.3
37.5°	5404.2	5422.6
40°	5877.6	5889.0
42.5°	6451.5	6495.6
45°	6806.0	6855.3
47.5°	7013.6	7082.3
50°	7086.6	7197.5
52.5°	7180.9	7317.4
55°	7407.4	7559.6
57.5°	7735.9	7857.2
60°	7795.1	7800.8
62.5°	7501.3	7413.6
65°	7052.0	6958.6
67.5°	6467.6	6410.8
70°	5535.0	5460.1
72.5°	4238.3	4099.0
75°	2961.6	2789.0
77.5°	1986.7	1896.2
80°	1181.5	1183.9
82.5°	806.6	827.9
85°	352.1	347.4
87.5°	11.4	6.2
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0



REPORT NUMBER: P596399  
CATALOG NUMBER: MSA-SA4A-722-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)