

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: P596311

Luminaire Tested: **MSA-SA3A-722-U-SLR-HSS**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P596311  
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-SA3A-722-U-SLR-HSS  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6290 lumens  
Efficiency: N/A  
Efficacy: 65.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

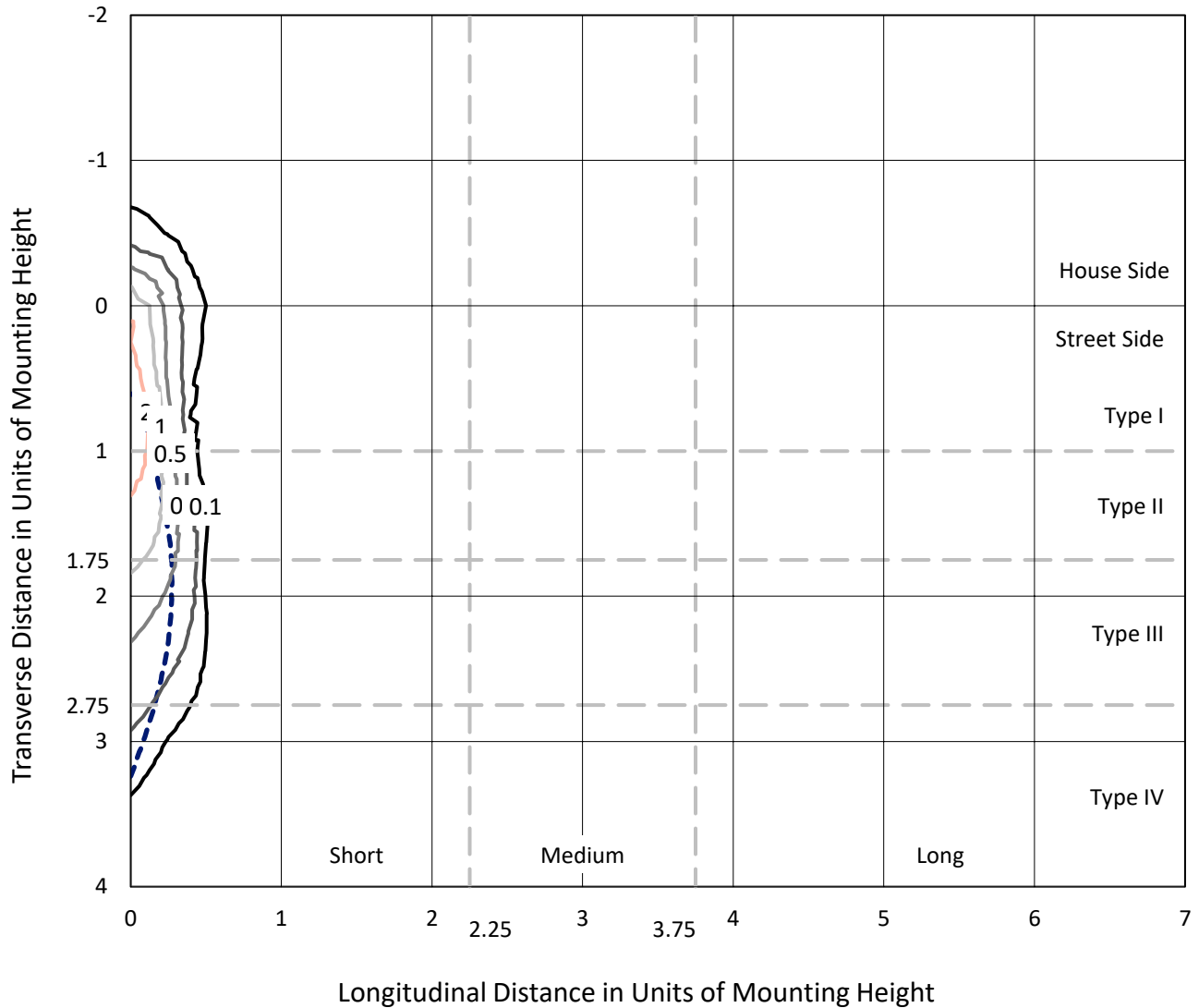
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

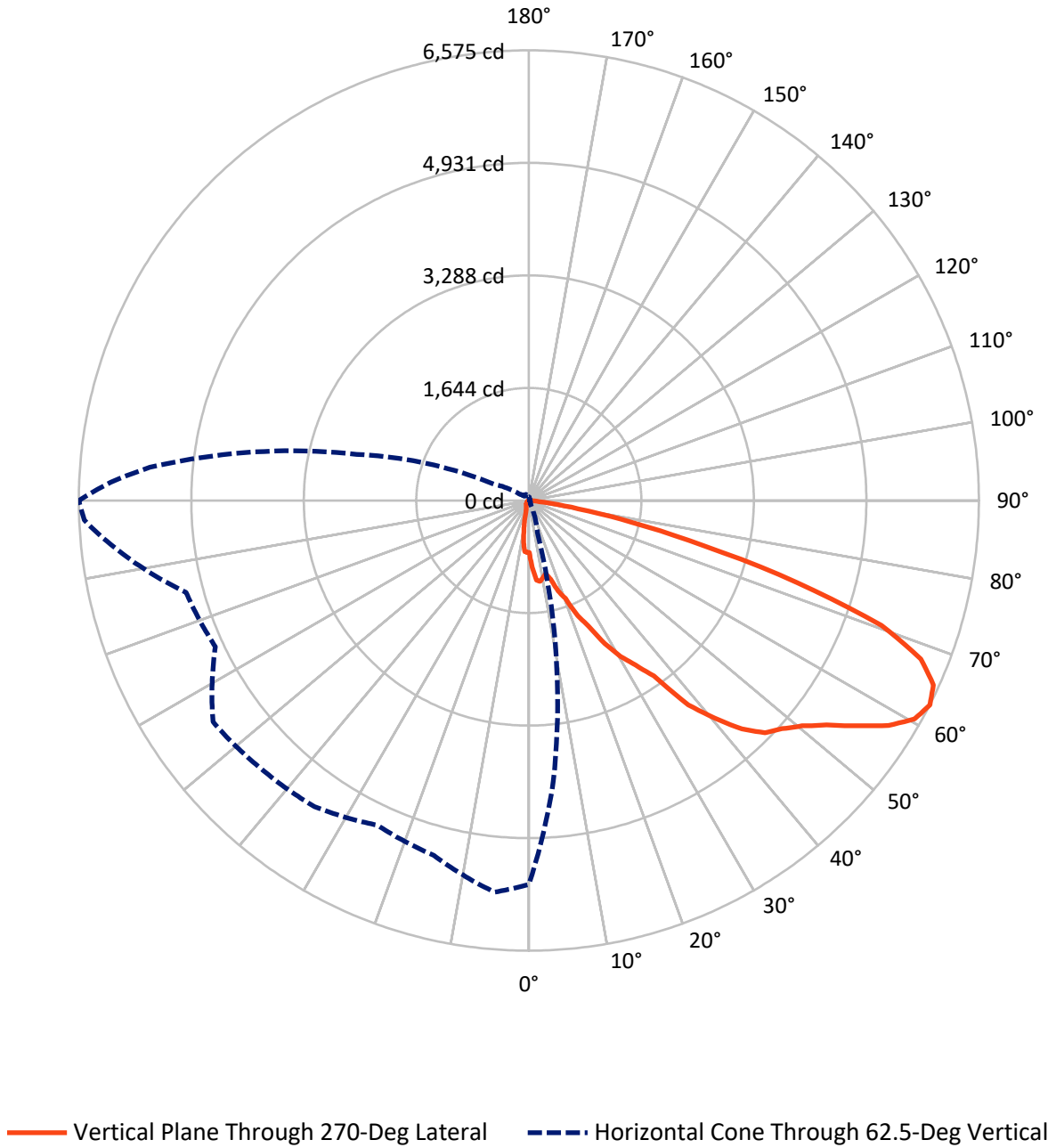
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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	1050.3	0.0	1050.3
	% Fixture	16.7	0.0	16.7
<b>Street Side</b>	Lumens	5239.7	0.0	5239.7
	% Fixture	83.3	0.0	83.3
<b>Total</b>	Lumens	6290.0	0.0	6290.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.7	1.3
10°-20°	221.2	3.5
20°-30°	357.6	5.7
30°-40°	598.9	9.5
40°-50°	979.0	15.6
50°-60°	1449.3	23.0
60°-70°	1663.8	26.5
70°-80°	822.6	13.1
80°-90°	113.0	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°	6290.0	100.0
0°-180°	6290.0	100.0

**Coefficient of Utilization**

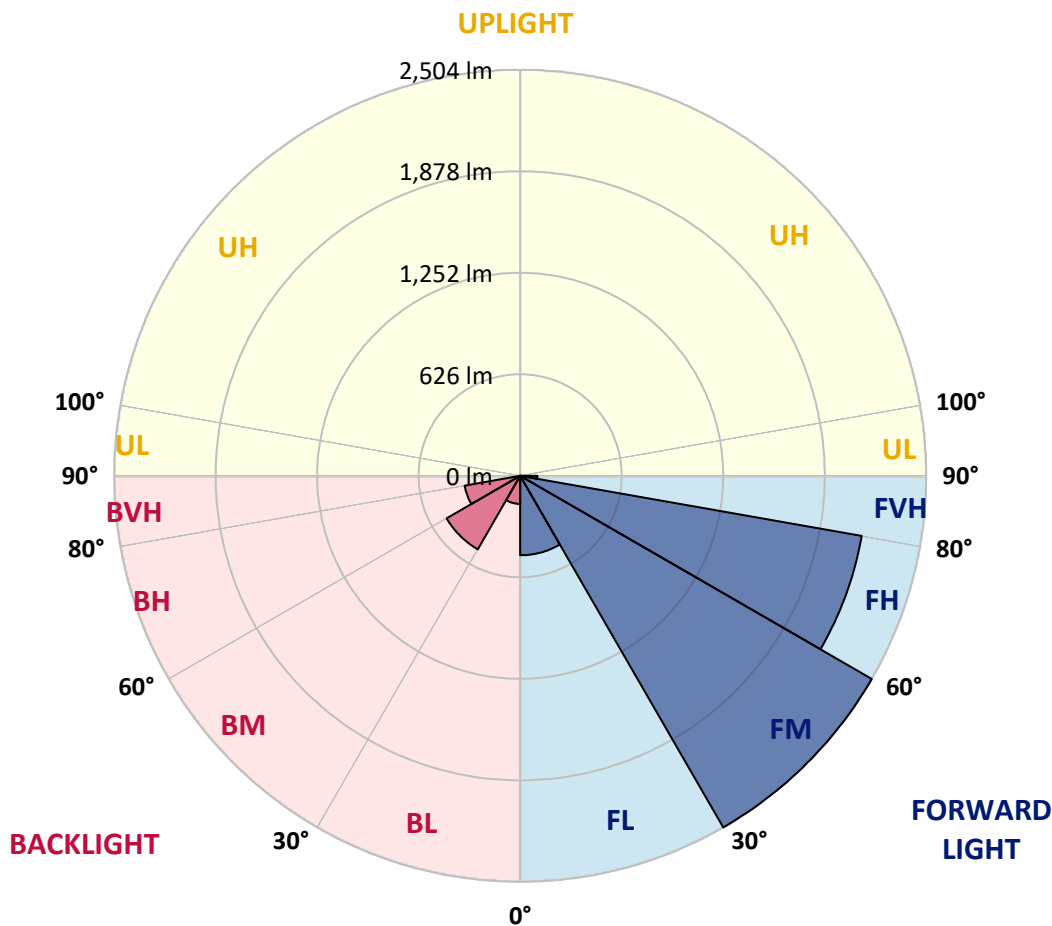


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	490.0	7.8			
FM (30°-60°)	2503.7	39.8			
FH (60°-80°)	2138.9	34.0			G2/5000
FVH (80°-90°)	107.0	1.7			G2/225
BL (0°-30°)	173.4	2.8	B1/500		
BM (30°-60°)	523.4	8.3	B1/1000		
BH (60°-80°)	347.5	5.5	B1/500		G1/500
BVH (80°-90°)	6.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	1005.0	1017.6	1029.8	1006.4	983.1	959.8	936.5	915.7	894.9	873.8	853.0
5°	1293.3	1270.3	1247.4	1215.8	1184.3	1152.7	1121.2	1106.5	1091.8	1077.1	1062.4
7.5°	1393.7	1352.8	1311.6	1283.6	1256.0	1228.0	1200.1	1156.0	1111.5	1067.4	1022.9
10°	1314.8	1271.4	1227.7	1203.3	1178.9	1154.5	1130.1	1075.3	1020.1	965.2	910.0
12.5°	1351.0	1304.0	1257.1	1206.9	1156.7	1106.5	1056.3	1014.3	972.0	930.1	887.8
15°	1376.1	1322.3	1268.2	1210.8	1153.5	1096.1	1038.7	989.2	940.1	890.6	841.2
17.5°	1523.5	1446.4	1369.3	1281.1	1192.9	1104.7	1016.5	959.1	902.1	844.7	787.4
20°	1712.8	1603.4	1493.7	1374.3	1254.9	1135.5	1016.1	944.8	873.4	802.1	730.7
22.5°	1932.9	1796.3	1659.4	1512.0	1365.0	1217.6	1070.3	967.7	865.2	762.6	660.1
25°	2154.5	2031.2	1907.8	1709.6	1511.3	1312.7	1114.4	984.2	853.7	723.6	593.0
27.5°	2554.7	2334.2	2113.7	1861.2	1609.2	1356.8	1104.3	955.2	806.0	656.5	507.3
30°	2816.4	2646.8	2476.9	2143.4	1810.3	1476.9	1143.4	954.5	765.5	576.2	387.2
32.5°	3129.4	2881.3	2632.8	2271.1	1909.3	1547.5	1185.7	963.8	741.5	519.5	297.2
35°	3481.2	3211.2	2941.2	2483.0	2024.7	1566.1	1107.9	892.8	677.7	462.5	247.4
37.5°	4102.5	3650.8	3199.0	2664.7	2130.1	1595.9	1061.3	846.5	631.4	416.6	201.5
40°	4455.3	4024.0	3592.7	2925.1	2257.4	1589.8	922.2	731.4	541.1	350.3	159.6
42.5°	4914.3	4367.1	3819.6	3073.5	2327.3	1581.2	835.1	658.7	482.2	305.5	129.1
45°	5186.4	4566.5	3946.6	3138.0	2329.5	1521.0	712.4	559.7	407.0	254.2	101.5
47.5°	5358.2	4736.4	4114.7	3246.7	2379.0	1510.9	642.9	502.3	361.8	221.2	80.7
50°	5445.3	4821.8	4197.9	3305.8	2413.8	1521.3	629.3	489.4	349.2	209.4	69.2
52.5°	5536.0	4934.7	4333.1	3408.4	2483.7	1559.0	634.3	491.6	349.2	206.5	63.8
55°	5719.2	5126.2	4532.8	3555.4	2578.0	1600.6	623.2	482.6	342.1	201.1	60.6
57.5°	5944.4	5310.5	4676.2	3662.9	2649.7	1636.4	623.2	481.9	340.6	199.0	57.7
60°	5901.7	5213.7	4525.3	3542.1	2559.0	1575.5	592.3	457.9	323.8	189.3	54.9
62.5°	5608.8	4861.9	4114.7	3206.2	2297.2	1388.7	479.7	372.5	265.3	157.8	50.6
65°	5264.6	4471.8	3678.7	2842.6	2006.1	1169.9	333.5	261.7	189.7	118.0	45.9
67.5°	4850.1	4004.6	3159.2	2415.6	1672.3	928.6	185.0	149.2	113.3	77.1	41.2
70°	4130.9	3258.1	2385.1	1813.5	1242.4	670.8	99.3	83.9	68.5	53.1	37.6
72.5°	3101.1	2301.5	1502.0	1140.9	780.2	419.1	58.1	52.3	46.3	40.5	34.4
75°	2110.1	1510.9	911.8	694.2	476.9	259.2	41.6	38.7	35.5	32.6	29.4
77.5°	1434.6	1037.6	640.7	489.1	337.4	185.7	34.1	32.3	30.5	28.3	26.5
80°	895.7	613.1	330.6	254.6	178.2	102.2	25.8	24.7	23.7	22.2	21.2
82.5°	626.4	374.7	123.0	96.1	69.2	42.0	15.1	15.4	15.8	15.8	16.1
85°	262.8	142.0	21.2	17.9	14.7	11.5	8.2	9.0	10.0	10.8	11.5
87.5°	4.7	2.5	0.0	0.7	1.8	2.5	3.2	4.3	5.0	6.1	6.8
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



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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°	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	858.4	863.7	868.8	874.1	869.8	865.9	861.6	857.3	850.8	844.7	838.3
5°	1044.5	1026.5	1008.6	990.7	963.4	936.2	908.6	881.3	878.1	874.9	871.3
7.5°	981.0	939.0	896.7	854.8	815.3	775.9	736.5	697.0	684.8	673.0	660.8
10°	877.7	845.5	812.8	780.6	752.2	723.6	695.2	666.5	636.8	607.0	576.9
12.5°	854.1	820.4	786.3	752.6	726.8	701.0	675.1	649.3	616.0	582.6	549.3
15°	804.6	768.0	731.4	694.9	660.4	626.0	591.2	556.8	516.7	476.5	436.4
17.5°	744.0	701.0	657.6	614.2	569.0	523.8	478.7	433.5	387.2	341.3	295.1
20°	671.9	613.1	554.0	495.2	439.2	383.3	327.0	271.1	242.0	213.3	184.3
22.5°	584.1	507.7	431.7	355.3	309.4	263.2	217.3	171.0	158.5	145.9	133.4
25°	506.6	420.2	333.8	247.4	218.4	189.3	160.3	131.2	125.5	119.4	113.7
27.5°	426.0	344.9	263.5	182.1	165.7	148.8	132.3	115.5	111.5	107.9	104.0
30°	326.6	266.0	205.1	144.5	133.7	123.0	111.9	101.1	99.3	97.2	95.4
32.5°	253.1	208.7	164.6	120.1	114.0	107.9	101.8	95.7	92.9	90.0	86.8
35°	211.5	176.0	140.2	104.3	100.0	95.4	91.1	86.4	83.5	80.3	77.4
37.5°	175.3	149.5	123.3	97.2	92.5	87.8	82.8	78.2	76.0	73.9	71.7
40°	144.5	129.4	114.4	99.3	92.5	85.7	78.9	72.1	70.3	68.5	66.7
42.5°	119.4	109.7	99.7	90.0	85.0	80.3	75.3	70.3	67.8	64.9	62.4
45°	96.4	91.1	86.1	80.7	81.0	81.4	81.4	81.7	75.3	68.5	62.0
47.5°	78.2	75.7	72.8	70.3	73.1	76.0	78.5	81.4	74.6	67.8	60.6
50°	67.0	65.3	63.1	61.0	63.8	67.0	69.9	72.8	69.9	67.4	64.5
52.5°	61.3	58.8	56.3	53.8	54.9	56.3	57.4	58.4	58.4	58.4	58.4
55°	57.7	55.2	52.3	49.5	48.4	47.0	45.9	44.5	42.7	41.2	39.4
57.5°	54.9	52.0	48.8	45.9	44.1	42.0	40.2	38.0	36.2	34.1	32.3
60°	52.0	49.1	45.9	43.0	41.2	39.4	37.3	35.5	33.3	31.6	29.4
62.5°	48.0	45.5	43.0	40.5	38.7	37.3	35.5	33.7	31.6	29.4	26.9
65°	43.7	42.0	39.8	37.6	35.9	34.1	32.3	30.5	28.3	26.5	24.4
67.5°	39.8	38.0	36.6	34.8	32.6	30.8	28.7	26.5	25.1	23.7	21.9
70°	36.6	35.1	34.1	32.6	30.5	28.7	26.5	24.4	23.3	21.9	20.8
72.5°	33.3	32.3	30.8	29.8	28.0	26.2	24.4	22.6	21.5	20.4	19.4
75°	28.7	28.0	27.2	26.5	24.7	22.9	20.8	19.0	18.6	18.3	17.9
77.5°	25.8	25.5	24.7	24.0	22.2	20.4	18.6	16.9	17.2	17.6	17.6
80°	21.2	21.2	20.8	20.8	19.4	17.9	16.1	14.7	15.4	16.5	17.2
82.5°	16.1	16.1	16.1	16.1	14.7	13.3	11.8	10.4	11.5	12.2	13.3
85°	11.1	10.8	10.4	10.0	9.0	8.2	7.2	6.1	7.5	8.6	10.0
87.5°	6.8	7.2	7.2	7.2	6.5	5.4	4.7	3.6	4.3	4.7	5.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: MSA-SA3A-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: P596311  
 CATALOG NUMBER: MSA-SA3A-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	831.8	821.1	810.3	799.2	788.5	763.4	738.3	713.2	688.1	706.7	725.0
5°	868.0	847.3	826.1	805.3	784.1	774.8	765.9	756.5	747.2	748.7	750.4
7.5°	648.6	635.0	621.4	607.4	593.8	590.9	588.4	585.5	582.6	588.7	594.5
10°	547.1	528.1	508.8	489.8	470.4	460.0	449.6	439.2	428.8	427.8	426.3
12.5°	516.0	486.9	458.2	429.2	400.1	377.6	355.0	332.4	309.8	311.6	313.4
15°	396.2	367.2	338.5	309.4	280.4	262.1	243.5	225.2	206.5	201.1	195.8
17.5°	248.8	227.3	205.8	183.9	162.4	156.3	150.6	144.5	138.4	136.6	134.8
20°	155.3	145.9	136.6	126.9	117.6	116.2	114.7	113.3	111.9	112.9	114.0
22.5°	120.8	116.9	112.6	108.6	104.3	102.9	101.5	100.0	98.6	99.7	100.4
25°	107.6	104.7	101.8	99.0	96.1	94.7	92.9	91.4	89.6	90.4	91.4
27.5°	100.0	97.5	95.0	92.5	90.0	87.5	85.3	82.8	80.3	81.7	82.8
30°	93.2	90.4	87.8	85.0	82.1	79.6	77.1	74.2	71.7	73.1	74.6
32.5°	83.9	81.4	78.5	76.0	73.1	71.7	70.3	68.5	67.0	68.1	68.8
35°	74.2	72.1	70.3	68.1	66.0	64.5	63.5	62.0	60.6	61.0	61.7
37.5°	69.6	67.0	64.5	62.0	59.5	58.8	58.1	57.0	56.3	56.3	56.3
40°	64.9	62.4	59.9	57.0	54.5	53.4	52.3	51.3	50.2	50.2	50.2
42.5°	59.5	57.0	54.5	52.0	49.5	48.4	47.0	45.9	44.5	44.5	44.5
45°	55.2	52.7	50.6	48.0	45.5	43.7	42.0	39.8	38.0	37.6	37.3
47.5°	53.8	50.2	46.6	43.0	39.4	37.6	35.9	33.7	31.9	31.6	31.2
50°	61.7	54.5	47.3	40.2	33.0	31.6	30.1	28.7	27.2	26.5	26.2
52.5°	58.4	50.9	43.4	35.9	28.3	27.2	26.2	25.1	24.0	23.3	22.6
55°	37.6	34.4	31.6	28.3	25.1	24.4	23.7	22.6	21.9	21.2	20.4
57.5°	30.1	28.3	26.9	25.1	23.3	22.6	21.9	20.8	20.1	19.0	18.3
60°	27.2	25.8	24.4	22.9	21.5	20.8	20.1	19.4	18.6	17.6	16.9
62.5°	24.7	23.7	22.6	21.5	20.4	19.7	19.0	18.3	17.6	16.5	15.4
65°	22.2	21.5	20.8	20.1	19.4	18.6	17.9	16.9	16.1	15.1	14.0
67.5°	20.4	20.1	19.7	19.4	19.0	18.3	17.2	16.5	15.4	14.3	12.9
70°	19.4	19.4	19.4	19.0	19.0	18.3	17.2	16.5	15.4	14.0	12.9
72.5°	18.3	18.6	19.0	19.0	19.4	18.3	17.2	16.1	15.1	13.6	12.5
75°	17.6	17.9	18.3	18.3	18.6	17.9	17.2	16.1	15.4	14.0	12.5
77.5°	17.9	18.3	18.3	18.6	18.6	17.9	17.2	16.1	15.4	13.6	11.8
80°	17.9	17.6	17.2	16.5	16.1	14.7	13.3	11.5	10.0	7.9	6.1
82.5°	14.0	13.3	12.9	12.2	11.5	10.0	8.6	7.2	5.7	4.3	2.9
85°	11.1	10.4	10.0	9.3	8.6	7.5	6.1	5.0	3.6	2.9	1.8
87.5°	5.7	5.4	4.7	4.3	3.6	2.9	1.8	1.1	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: P596311  
 CATALOG NUMBER: MSA-SA3A-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: P596311  
 CATALOG NUMBER: MSA-SA3A-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°	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	743.6	761.9	759.4	756.9	768.7	780.6	772.0	763.7	755.1	746.5	728.6
5°	751.9	753.3	750.8	747.9	748.3	748.7	742.9	737.2	731.4	725.7	724.6
7.5°	600.6	606.3	614.2	621.7	622.1	622.1	617.8	613.5	608.8	604.5	606.7
10°	425.2	423.8	426.0	428.1	427.8	427.0	438.5	450.0	461.1	472.6	464.3
12.5°	314.8	316.6	307.6	298.7	301.9	304.8	306.6	308.4	310.1	311.9	317.0
15°	190.4	185.0	178.6	172.1	175.3	178.2	181.4	184.3	187.5	190.4	193.6
17.5°	132.7	130.9	128.0	124.8	125.1	125.5	125.9	126.2	126.2	126.6	127.3
20°	115.1	116.2	114.0	111.5	110.8	109.7	109.0	108.3	107.2	106.5	105.4
22.5°	101.5	102.2	102.5	102.5	101.1	99.3	97.9	96.8	95.4	93.9	93.2
25°	92.1	92.9	92.1	91.1	90.4	89.6	88.9	87.8	87.1	86.1	85.7
27.5°	84.3	85.3	85.3	85.0	84.3	83.2	81.4	80.0	78.2	76.4	76.7
30°	76.0	77.4	77.4	77.1	76.7	76.4	74.6	72.8	71.0	69.2	69.9
32.5°	69.9	70.6	70.3	69.9	69.9	69.6	68.1	67.0	65.6	64.2	64.2
35°	62.0	62.4	62.4	62.4	62.4	62.0	61.0	59.9	58.8	57.7	58.1
37.5°	56.3	56.3	57.4	58.1	57.4	56.7	55.9	54.9	54.1	53.1	53.1
40°	49.8	49.8	50.9	51.6	50.9	50.2	49.8	49.1	48.8	48.0	48.0
42.5°	44.1	44.1	45.2	45.9	45.9	45.5	44.8	44.1	43.4	42.7	43.0
45°	36.9	36.6	38.4	39.8	39.1	38.4	38.4	38.0	38.0	37.6	38.0
47.5°	30.5	30.1	31.6	33.0	32.6	31.9	31.9	31.9	31.9	31.9	32.3
50°	25.5	24.7	26.2	27.2	26.9	26.2	26.2	26.5	26.5	26.5	26.9
52.5°	21.9	21.2	22.2	22.9	22.6	22.2	22.2	22.6	22.6	22.6	22.9
55°	19.4	18.6	19.7	20.4	20.1	19.4	19.7	19.7	20.1	20.1	20.1
57.5°	17.2	16.1	16.9	17.6	17.6	17.2	17.6	17.6	17.9	17.9	17.9
60°	15.8	14.7	15.4	15.8	15.8	15.4	15.8	15.8	16.1	16.1	16.1
62.5°	14.0	12.9	13.6	14.0	14.0	13.6	14.0	14.0	14.3	14.3	14.3
65°	12.5	11.5	11.8	12.2	12.2	12.2	12.5	12.5	12.9	12.9	12.9
67.5°	11.8	10.4	10.8	11.1	11.1	11.1	11.5	11.5	11.8	11.8	12.2
70°	11.5	10.0	10.4	10.4	10.8	10.8	10.8	11.1	11.1	11.1	11.1
72.5°	11.1	9.7	9.7	9.7	10.0	10.0	10.0	10.4	10.4	10.4	10.4
75°	11.1	9.7	9.3	9.0	9.3	9.3	9.3	9.7	9.7	9.7	9.7
77.5°	9.7	7.9	7.2	6.1	7.2	7.9	8.2	8.2	8.6	8.6	8.6
80°	3.9	1.8	1.1	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.5
82.5°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.1	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: P596311  
 CATALOG NUMBER: MSA-SA3A-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: P596311  
 CATALOG NUMBER: MSA-SA3A-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	710.6	692.7	674.8	683.4	692.0	700.6	709.2	708.5	707.4	706.7	705.6
5°	723.9	722.8	721.8	716.7	712.1	707.1	702.0	701.0	699.5	698.5	697.0
7.5°	608.8	610.6	612.8	607.0	601.3	595.6	589.8	575.1	560.4	545.4	530.7
10°	456.1	447.5	439.2	438.5	437.8	437.1	436.4	434.9	433.5	431.7	430.3
12.5°	322.3	327.4	332.4	330.6	328.8	326.6	324.8	327.4	330.2	332.7	335.2
15°	196.5	199.7	202.6	209.0	215.5	221.9	228.4	230.9	233.8	236.3	238.8
17.5°	128.0	128.4	129.1	136.2	143.1	150.2	157.0	161.7	166.4	170.7	175.3
20°	104.3	103.3	102.2	106.1	110.1	114.0	118.0	122.3	126.6	130.9	135.2
22.5°	92.9	92.1	91.4	92.9	94.3	95.4	96.8	100.0	103.6	106.8	110.1
25°	85.3	84.6	84.3	85.0	85.7	86.4	87.1	88.9	90.7	92.5	94.3
27.5°	76.7	77.1	77.1	77.8	78.2	78.9	79.2	80.0	81.0	81.7	82.5
30°	70.3	71.0	71.4	72.1	72.4	73.1	73.5	73.1	72.8	72.4	72.1
32.5°	64.2	63.8	63.8	64.5	64.9	65.6	66.0	66.7	67.4	67.8	68.5
35°	58.1	58.4	58.4	58.4	58.8	58.8	58.8	59.5	60.6	61.3	62.0
37.5°	52.7	52.7	52.3	53.4	54.1	55.2	55.9	56.7	57.7	58.4	59.2
40°	48.0	48.0	48.0	48.8	49.5	49.8	50.6	52.3	54.1	55.9	57.7
42.5°	43.0	43.4	43.4	44.1	44.8	45.2	45.9	47.3	48.4	49.8	50.9
45°	38.4	38.7	39.1	39.8	40.2	40.9	41.2	42.0	42.3	43.0	43.4
47.5°	33.0	33.3	33.7	34.4	34.8	35.5	35.9	35.5	35.5	35.1	34.8
50°	27.6	28.0	28.3	29.4	30.1	31.2	31.9	31.2	30.5	29.4	28.7
52.5°	23.3	23.3	23.7	24.4	25.1	25.5	26.2	25.8	25.5	25.1	24.7
55°	20.1	20.1	20.1	20.4	20.8	21.2	21.5	21.9	21.9	22.2	22.2
57.5°	17.9	17.6	17.6	17.9	18.3	18.3	18.6	19.0	19.0	19.4	19.4
60°	16.1	15.8	15.8	16.1	16.5	16.9	17.2	17.2	17.2	16.9	16.9
62.5°	14.3	14.3	14.3	14.7	14.7	15.1	15.1	15.1	15.4	15.4	15.4
65°	13.3	13.3	13.3	13.3	13.3	12.9	12.9	13.3	13.3	13.6	13.6
67.5°	12.2	12.5	12.5	12.2	11.8	11.5	11.1	11.5	11.5	11.8	11.8
70°	11.1	11.1	11.1	10.8	10.4	10.0	9.7	9.7	9.7	9.3	9.3
72.5°	10.4	10.0	10.0	9.7	9.0	8.6	7.9	7.5	7.5	7.2	6.8
75°	9.7	9.3	9.3	8.6	7.9	7.2	6.5	6.1	5.4	5.0	4.3
77.5°	8.6	8.6	8.6	7.5	6.8	5.7	4.7	3.9	3.2	2.2	1.4
80°	2.9	3.2	3.6	3.2	3.2	2.9	2.5	1.8	1.4	0.7	0.0
82.5°	0.4	0.4	0.4	0.4	0.4	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: P596311  
 CATALOG NUMBER: MSA-SA3A-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: P596311  
 CATALOG NUMBER: MSA-SA3A-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°	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	709.6	713.5	717.5	721.4	721.8	722.1	722.5	722.8	713.9	704.6	695.6
5°	704.2	711.7	718.9	726.1	722.1	718.2	714.2	710.3	709.9	709.9	709.6
7.5°	531.7	532.4	533.5	534.2	535.7	537.1	538.2	539.6	545.4	551.1	556.5
10°	425.6	420.9	415.9	411.3	407.7	403.7	400.1	396.2	399.1	402.3	405.2
12.5°	331.3	327.4	323.1	319.1	317.7	316.2	314.4	313.0	322.3	331.7	340.6
15°	238.1	237.4	236.3	235.6	240.2	244.9	249.6	254.2	262.1	269.6	277.5
17.5°	177.1	178.9	180.7	182.5	185.4	188.2	190.7	193.6	199.4	205.4	211.2
20°	137.3	139.8	142.0	144.1	143.4	142.7	141.6	140.9	145.6	150.2	154.5
22.5°	112.2	114.0	116.2	118.0	118.3	118.7	119.0	119.4	122.3	124.8	127.6
25°	96.1	98.2	100.0	101.8	102.2	102.5	102.9	103.3	106.8	110.4	113.7
27.5°	85.0	87.1	89.6	91.8	92.5	93.2	93.9	94.7	96.8	98.6	100.8
30°	74.9	77.8	80.7	83.5	84.6	85.7	86.8	87.8	90.0	92.5	94.7
32.5°	69.9	71.7	73.1	74.6	77.1	79.2	81.7	83.9	86.4	89.3	91.8
35°	64.2	66.0	68.1	69.9	71.7	73.5	74.9	76.7	78.2	79.6	80.7
37.5°	60.6	62.4	63.8	65.3	66.0	66.7	67.0	67.8	68.5	69.2	69.6
40°	57.7	57.4	57.4	57.0	57.7	58.8	59.5	60.2	62.4	64.2	66.3
42.5°	50.2	49.1	48.4	47.3	49.1	50.6	52.3	53.8	56.7	59.5	62.4
45°	42.7	42.0	40.9	40.2	42.7	45.2	47.7	50.2	53.4	56.3	59.5
47.5°	35.1	35.5	35.5	35.9	38.4	40.9	43.0	45.5	48.8	52.0	55.2
50°	29.4	30.1	30.8	31.6	34.1	36.2	38.7	40.9	44.5	47.7	51.3
52.5°	25.8	26.9	27.6	28.7	30.8	33.3	35.5	37.6	40.9	44.1	47.3
55°	23.3	24.7	25.8	26.9	28.7	30.5	32.3	34.1	37.3	40.5	43.4
57.5°	20.4	21.5	22.6	23.7	25.5	27.2	28.7	30.5	33.3	36.6	39.4
60°	17.9	18.6	19.7	20.4	21.9	23.7	25.1	26.5	29.4	32.3	34.8
62.5°	15.8	16.5	16.9	17.2	18.6	20.1	21.5	22.9	25.5	28.3	30.8
65°	14.0	14.3	14.3	14.7	15.8	17.2	18.3	19.4	22.2	24.7	27.6
67.5°	11.8	12.2	12.2	12.2	13.3	14.3	15.4	16.5	19.0	21.9	24.4
70°	9.3	9.7	9.7	9.7	10.8	12.2	13.3	14.3	16.5	18.6	20.8
72.5°	7.2	7.2	7.5	7.5	8.6	10.0	11.1	12.2	14.0	15.8	17.6
75°	4.7	5.0	5.0	5.4	6.5	7.9	9.0	10.0	11.8	13.6	15.1
77.5°	1.8	2.5	2.9	3.2	4.3	5.4	6.5	7.5	9.0	10.8	12.2
80°	0.0	0.4	0.4	0.4	1.1	1.4	2.2	2.5	3.6	5.0	6.1
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: P596311  
 CATALOG NUMBER: MSA-SA3A-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: P596311  
 CATALOG NUMBER: MSA-SA3A-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	686.3	706.0	725.7	745.4	765.1	789.5	813.9	817.5	821.1	816.8	812.8
5°	709.2	718.9	728.2	737.9	747.2	775.2	802.8	803.2	803.2	803.5	803.5
7.5°	562.2	570.5	578.7	586.6	594.8	613.1	631.4	638.2	644.7	643.2	641.8
10°	408.0	418.8	429.2	439.9	450.3	467.2	484.0	490.5	496.6	516.3	536.4
12.5°	349.9	360.3	370.7	380.8	391.2	408.4	425.6	438.1	450.3	462.5	474.7
15°	285.0	293.3	301.9	310.1	318.4	326.3	334.2	349.6	364.6	376.8	389.0
17.5°	216.9	220.5	223.7	227.3	230.5	234.1	237.7	244.2	250.3	261.0	271.4
20°	159.2	162.1	164.9	167.4	170.3	173.9	177.5	182.1	186.4	189.0	191.1
22.5°	130.2	134.5	138.8	142.7	147.0	149.5	152.0	153.5	154.9	156.0	157.0
25°	117.2	121.2	124.8	128.7	132.3	133.4	134.5	137.3	140.2	140.2	140.2
27.5°	102.5	107.9	113.7	119.0	124.4	125.9	126.9	128.0	128.7	127.3	125.5
30°	96.8	102.2	107.6	112.6	118.0	120.1	121.9	123.0	124.1	122.3	120.5
32.5°	94.3	99.3	104.0	109.0	113.7	116.5	119.0	121.9	124.4	124.8	125.5
35°	82.1	85.3	88.9	92.1	95.4	96.8	98.2	99.3	100.0	100.0	100.0
37.5°	70.3	74.6	79.2	83.5	87.8	91.1	94.3	94.7	94.7	95.4	96.4
40°	68.1	72.4	76.7	80.7	85.0	88.6	91.8	92.1	92.5	93.2	93.9
42.5°	65.3	69.9	74.6	79.2	83.9	87.5	90.7	90.7	90.4	91.4	92.1
45°	62.4	67.0	71.4	76.0	80.3	85.0	89.3	88.2	86.8	88.6	90.0
47.5°	58.4	63.5	68.5	73.1	78.2	82.5	86.4	85.7	84.6	86.4	88.2
50°	54.5	59.5	64.5	69.6	74.6	79.2	83.5	82.8	82.1	84.3	86.1
52.5°	50.6	55.6	61.0	66.0	71.0	74.9	78.5	78.2	77.8	80.0	82.5
55°	46.6	51.3	56.3	61.0	65.6	69.9	73.9	73.1	72.4	74.2	76.0
57.5°	42.3	47.0	51.3	55.9	60.2	63.8	67.0	66.0	64.9	67.0	69.2
60°	37.6	42.0	46.3	50.2	54.5	57.4	59.9	59.2	58.1	60.2	62.4
62.5°	33.3	37.3	41.2	44.8	48.8	50.9	53.1	52.3	51.6	53.8	56.3
65°	30.1	33.3	36.2	39.4	42.3	44.5	46.6	45.5	44.5	47.0	49.1
67.5°	26.9	29.4	32.3	34.8	37.3	39.1	40.9	40.2	39.1	40.9	42.7
70°	22.9	25.5	28.0	30.1	32.6	34.4	36.2	35.1	33.7	35.5	37.3
72.5°	19.4	21.5	23.7	25.5	27.6	29.0	30.5	29.4	28.3	29.8	31.2
75°	16.9	18.6	20.4	21.9	23.7	24.4	25.1	24.7	24.0	25.5	26.5
77.5°	13.6	15.1	16.9	18.3	19.7	19.7	19.7	20.1	20.1	21.5	23.3
80°	7.2	8.6	10.0	11.1	12.5	12.5	12.2	12.9	13.3	15.1	16.9
82.5°	0.0	1.1	2.2	3.2	4.3	3.9	3.2	3.6	3.6	4.3	5.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7
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: P596311  
 CATALOG NUMBER: MSA-SA3A-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: P596311  
 CATALOG NUMBER: MSA-SA3A-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°	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	808.5	804.2	801.4	798.8	796.0	793.1	796.7	800.3	803.5	807.1	817.9
5°	803.9	803.9	801.4	798.8	796.3	793.8	799.2	804.2	809.6	814.6	814.3
7.5°	640.0	638.6	653.6	668.3	683.4	698.1	702.0	706.0	709.6	713.5	712.4
10°	556.1	575.8	582.3	588.7	595.2	601.6	609.5	617.4	625.3	633.2	636.1
12.5°	486.9	499.1	519.9	540.3	561.1	581.6	592.0	602.7	613.1	623.5	644.0
15°	401.2	413.4	431.3	449.3	467.2	485.1	501.6	518.5	535.0	551.4	576.2
17.5°	282.2	292.6	306.2	319.8	333.1	346.7	372.2	397.6	423.1	448.5	474.7
20°	193.6	195.8	202.2	209.0	215.5	221.9	244.9	268.2	291.1	314.1	348.5
22.5°	157.8	158.8	162.1	165.3	168.2	171.4	183.2	195.4	207.2	219.1	247.0
25°	139.8	139.8	142.0	144.1	146.3	148.4	154.9	161.3	167.4	173.9	191.8
27.5°	124.1	122.3	125.5	128.7	131.9	135.2	139.8	144.9	149.5	154.2	166.4
30°	118.7	116.9	120.8	124.8	128.7	132.7	137.3	142.0	146.3	150.9	159.2
32.5°	125.9	126.2	127.6	129.1	130.2	131.6	133.7	136.2	138.4	140.6	147.7
35°	100.0	100.0	102.5	105.1	107.2	109.7	113.7	117.6	121.5	125.5	133.0
37.5°	97.2	97.9	100.0	102.5	104.7	106.8	111.9	117.2	122.3	127.3	133.4
40°	94.3	95.0	97.9	100.8	103.6	106.5	111.5	116.2	121.2	125.9	131.6
42.5°	93.2	93.9	97.5	101.5	105.1	108.6	112.9	117.2	121.2	125.5	133.4
45°	91.8	93.2	97.5	102.2	106.5	110.8	114.7	118.7	122.6	126.6	136.2
47.5°	89.6	91.4	96.4	101.1	106.1	110.8	118.3	126.2	133.7	141.3	145.9
50°	88.2	90.0	95.4	100.8	106.1	111.5	123.7	135.9	147.7	159.9	157.4
52.5°	84.6	86.8	93.6	100.4	107.2	114.0	124.8	135.5	146.3	157.0	152.0
55°	77.8	79.6	87.5	95.4	102.9	110.8	118.7	126.6	134.1	142.0	136.2
57.5°	71.0	73.1	80.7	88.2	95.4	102.9	106.8	110.8	114.7	118.7	116.5
60°	64.5	66.7	76.7	86.8	96.8	106.8	103.3	99.7	95.7	92.1	94.7
62.5°	58.4	60.6	70.3	79.6	89.3	98.6	93.6	88.6	83.5	78.5	82.5
65°	51.6	53.8	57.4	61.3	64.9	68.5	68.1	67.4	67.0	66.3	70.6
67.5°	44.5	46.3	48.0	50.2	52.0	53.8	54.9	56.3	57.4	58.4	62.0
70°	38.7	40.5	42.7	44.5	46.6	48.4	49.1	49.8	50.2	50.9	54.1
72.5°	32.3	33.7	36.6	39.4	42.0	44.8	45.2	45.2	45.5	45.5	48.0
75°	28.0	29.0	31.2	33.3	35.1	37.3	38.4	39.4	40.2	41.2	42.7
77.5°	24.7	26.2	26.9	27.2	28.0	28.3	29.0	29.8	30.5	31.2	31.6
80°	18.3	20.1	20.8	21.2	21.9	22.2	22.2	21.9	21.9	21.5	21.9
82.5°	5.7	6.5	7.5	8.6	9.7	10.8	11.1	11.5	11.5	11.8	11.5
85°	1.1	1.4	2.2	2.9	3.2	3.9	3.6	2.9	2.5	1.8	1.4
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: P596311  
 CATALOG NUMBER: MSA-SA3A-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: P596311  
 CATALOG NUMBER: MSA-SA3A-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	828.6	839.0	849.8	845.5	841.2	836.9	832.6	833.3	834.3	835.1	835.8
5°	813.9	813.2	812.8	825.0	837.6	849.8	862.0	875.2	888.8	902.1	915.4
7.5°	711.4	709.9	708.9	724.6	740.4	756.2	772.0	790.2	808.9	827.2	845.5
10°	638.9	641.8	644.7	651.1	657.9	664.4	670.8	688.4	706.0	723.2	740.8
12.5°	664.4	684.5	704.9	708.9	712.4	716.4	720.0	722.5	725.0	727.5	730.0
15°	601.3	626.0	650.8	661.2	671.2	681.6	691.6	718.2	744.3	770.9	797.1
17.5°	500.9	526.7	552.9	584.1	615.3	646.5	677.7	706.3	735.0	763.7	792.4
20°	383.3	417.7	452.1	491.6	531.4	570.8	610.3	638.9	667.3	695.9	724.3
22.5°	275.4	303.3	331.3	379.0	426.3	474.0	521.3	571.2	621.4	671.2	721.0
25°	209.8	227.3	245.2	292.2	339.2	385.8	432.8	501.3	569.7	638.2	706.7
27.5°	178.2	190.4	202.2	244.5	286.8	328.8	371.1	452.5	533.9	615.3	696.7
30°	167.8	176.0	184.3	220.1	256.4	292.2	328.1	410.5	493.0	575.5	657.9
32.5°	154.9	161.7	168.9	200.4	232.0	263.2	294.7	375.4	456.1	536.4	617.1
35°	140.2	147.7	154.9	186.4	218.0	249.2	280.7	364.3	447.8	531.4	614.9
37.5°	139.1	145.2	150.9	187.5	224.5	261.0	297.6	381.1	464.7	547.9	631.4
40°	137.7	143.4	149.2	186.4	223.4	260.7	297.6	385.1	472.6	560.1	647.5
42.5°	141.3	148.8	156.7	189.7	222.7	255.3	288.3	380.4	472.6	564.4	656.5
45°	146.3	156.0	165.7	195.8	225.9	256.0	286.1	386.2	486.2	585.9	685.9
47.5°	150.9	155.6	160.3	189.0	217.3	246.0	274.3	376.5	478.7	580.9	683.0
50°	155.3	152.7	150.2	181.8	213.3	244.5	276.1	373.6	470.8	568.3	665.5
52.5°	146.6	141.6	136.2	170.0	203.7	237.0	270.7	368.9	467.2	565.4	663.7
55°	130.5	124.8	119.0	152.4	185.4	218.7	251.7	349.6	447.5	545.4	643.2
57.5°	114.0	111.9	109.4	134.8	160.3	185.4	210.8	319.5	428.5	537.1	645.7
60°	97.2	99.3	101.8	120.1	138.4	156.3	174.6	281.1	387.2	493.7	599.9
62.5°	86.1	90.0	93.6	109.0	124.8	140.2	155.6	256.0	356.4	456.8	557.2
65°	75.3	79.6	83.9	102.2	120.8	139.1	157.4	242.4	327.4	412.3	497.3
67.5°	65.6	68.8	72.4	96.4	120.5	144.5	168.5	238.1	307.3	376.8	446.0
70°	57.4	60.2	63.5	91.4	119.4	147.4	175.3	234.5	294.0	353.2	412.3
72.5°	50.6	53.1	55.6	83.9	112.2	140.6	168.9	221.6	273.9	326.6	379.0
75°	44.1	45.2	46.6	70.6	94.3	118.3	142.0	177.1	212.6	247.8	282.9
77.5°	31.9	31.9	32.3	39.4	46.3	53.4	60.2	82.1	104.0	125.5	147.4
80°	21.9	22.2	22.2	25.1	27.6	30.5	33.0	37.6	42.0	46.6	50.9
82.5°	11.1	10.4	10.0	12.9	15.8	18.6	21.5	22.6	23.3	24.4	25.1
85°	1.1	0.4	0.0	1.8	3.6	5.4	7.2	8.6	10.0	11.5	12.9
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: P596311  
 CATALOG NUMBER: MSA-SA3A-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: P596311

CATALOG NUMBER: MSA-SA3A-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°	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	832.9	830.0	827.2	824.3	841.9	859.8	877.4	894.9	944.8	977.4	973.8
5°	928.3	941.2	954.1	967.0	987.8	1009.0	1029.8	1050.6	1124.4	1169.6	1176.0
7.5°	865.5	885.3	905.3	925.1	965.2	1005.0	1045.2	1085.0	1145.6	1192.5	1219.1
10°	763.4	785.9	808.2	830.8	875.9	921.5	966.7	1011.8	1080.0	1144.8	1178.2
12.5°	765.5	801.0	836.5	872.0	911.4	950.9	990.0	1029.4	1071.0	1092.9	1139.8
15°	825.0	853.0	881.0	908.9	960.6	1012.2	1063.5	1115.1	1139.8	1192.5	1247.4
17.5°	846.9	901.8	956.3	1010.8	1075.3	1139.5	1204.0	1268.2	1314.8	1387.9	1444.6
20°	806.4	888.5	970.2	1052.3	1140.9	1229.5	1318.0	1406.6	1457.5	1527.1	1614.6
22.5°	808.2	895.3	982.1	1069.2	1191.5	1313.4	1435.6	1557.5	1694.1	1828.2	1870.9
25°	820.7	934.7	1048.4	1162.4	1303.7	1445.0	1586.2	1727.5	1892.4	2033.3	2090.0
27.5°	825.0	953.4	1081.4	1209.7	1410.5	1611.3	1812.1	2012.9	2209.7	2368.9	2429.5
30°	814.6	971.7	1128.4	1285.0	1531.4	1777.7	2024.0	2270.3	2457.1	2642.5	2717.8
32.5°	817.1	1017.2	1217.3	1417.3	1707.4	1997.8	2287.9	2578.0	2697.4	2864.5	2997.1
35°	834.3	1053.8	1272.9	1492.3	1813.2	2134.1	2455.0	2775.9	2971.7	3148.1	3260.7
37.5°	874.5	1117.6	1360.3	1603.4	1997.8	2392.6	2787.0	3181.4	3484.4	3787.4	3839.0
40°	904.3	1161.0	1417.7	1674.4	2132.3	2590.2	3048.0	3505.9	3848.7	4177.5	4212.6
42.5°	938.0	1219.1	1500.5	1781.6	2293.6	2805.7	3317.7	3829.7	4226.6	4561.8	4585.1
45°	974.9	1264.2	1553.2	1842.2	2378.6	2914.7	3451.0	3987.1	4450.7	4840.1	4752.2
47.5°	992.5	1301.9	1611.3	1920.8	2495.9	3070.6	3645.7	4220.5	4636.4	4979.9	4877.4
50°	1006.1	1346.4	1687.0	2027.2	2630.3	3233.4	3836.5	4439.6	4856.6	5173.5	5012.9
52.5°	1044.5	1424.9	1805.7	2186.1	2827.5	3468.6	4110.1	4751.1	5154.5	5445.7	5220.5
55°	1081.7	1519.9	1958.4	2396.5	3086.4	3776.6	4466.5	5156.3	5557.9	5807.4	5501.6
57.5°	1128.7	1612.0	2095.0	2578.0	3315.9	4053.8	4791.3	5529.2	5921.8	6197.5	5879.9
60°	1116.5	1632.8	2149.5	2665.8	3417.3	4168.9	4920.4	5671.9	6138.4	6477.2	6261.7
62.5°	1069.2	1581.2	2092.9	2604.9	3343.1	4081.0	4819.3	5557.2	6116.1	6575.1	6502.7
65°	973.5	1449.3	1925.4	2401.2	3106.1	3811.4	4516.3	5221.2	5911.1	6495.1	6520.9
67.5°	847.6	1249.2	1650.4	2052.0	2709.6	3367.1	4024.4	4681.9	5496.2	6177.5	6254.2
70°	714.2	1015.8	1317.7	1619.2	2197.9	2776.6	3355.0	3933.7	4780.2	5465.7	5610.6
72.5°	572.6	766.6	960.2	1153.8	1571.5	1988.9	2406.6	2823.9	3568.6	4100.7	4353.5
75°	371.1	459.3	547.5	635.7	913.9	1191.8	1470.1	1747.9	2242.4	2634.3	2920.0
77.5°	165.3	183.2	200.8	218.7	433.5	648.3	863.0	1077.8	1292.6	1529.2	1596.3
80°	59.2	67.0	75.3	83.2	188.6	294.4	399.8	505.2	609.2	731.4	761.2
82.5°	24.7	24.7	24.4	24.0	61.7	99.3	137.0	174.6	201.9	232.0	237.7
85°	10.0	7.5	4.7	1.8	7.9	14.3	20.4	26.5	42.7	38.7	71.7
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: P596311  
 CATALOG NUMBER: MSA-SA3A-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: P596311

CATALOG NUMBER: MSA-SA3A-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	960.2	959.5	958.8	958.0	957.3	944.4	931.9	919.0	906.4	922.2	938.0
5°	1165.6	1184.3	1202.9	1221.9	1240.6	1246.0	1251.3	1256.7	1262.1	1273.6	1285.0
7.5°	1241.3	1272.9	1304.0	1335.6	1366.8	1395.8	1424.5	1453.6	1482.6	1475.4	1468.3
10°	1215.1	1272.1	1329.1	1386.5	1443.5	1456.1	1468.6	1481.5	1494.1	1526.7	1559.3
12.5°	1186.8	1255.3	1323.8	1392.2	1460.7	1498.7	1536.4	1574.4	1612.4	1645.4	1678.4
15°	1321.3	1365.0	1408.7	1452.8	1496.6	1529.9	1562.9	1596.3	1629.3	1652.2	1674.8
17.5°	1498.0	1519.5	1541.0	1562.9	1584.4	1610.6	1636.8	1663.0	1689.1	1702.8	1716.4
20°	1684.8	1694.1	1703.5	1712.8	1722.1	1701.3	1680.5	1659.7	1638.9	1651.8	1664.4
22.5°	1872.3	1875.6	1879.2	1882.4	1885.6	1837.2	1788.8	1740.4	1692.0	1671.6	1651.1
25°	2161.0	2137.3	2113.7	2090.0	2066.3	2009.0	1951.6	1894.2	1836.9	1786.3	1735.7
27.5°	2473.6	2393.3	2313.4	2233.0	2153.1	2095.7	2038.4	1981.0	1923.6	1847.6	1771.6
30°	2788.8	2659.4	2530.3	2400.9	2271.8	2203.6	2135.5	2067.0	1998.9	1922.9	1847.2
32.5°	3077.8	2922.2	2766.6	2610.6	2455.0	2340.3	2225.5	2110.8	1996.0	1943.0	1889.9
35°	3317.3	3133.4	2949.4	2765.1	2581.2	2467.5	2353.9	2240.2	2126.6	2047.7	1969.2
37.5°	3726.8	3519.9	3313.0	3106.1	2899.2	2744.0	2589.1	2433.8	2278.6	2225.9	2173.2
40°	4104.3	3843.7	3583.0	3322.3	3061.7	2931.5	2801.7	2671.6	2541.8	2455.3	2369.3
42.5°	4404.4	4129.8	3855.5	3580.8	3306.2	3177.5	3049.1	2920.4	2791.7	2733.9	2676.6
45°	4469.3	4210.5	3951.9	3693.1	3434.2	3359.3	3284.7	3209.7	3135.2	3095.4	3055.9
47.5°	4597.3	4316.6	4036.2	3755.5	3474.7	3441.0	3407.3	3373.2	3339.5	3358.5	3377.5
50°	4669.0	4382.6	4096.1	3809.6	3523.1	3532.8	3542.1	3551.8	3561.5	3696.3	3830.7
52.5°	4808.2	4518.8	4229.5	3940.1	3650.8	3711.7	3772.3	3833.3	3893.9	4079.6	4265.0
55°	5056.6	4772.3	4488.0	4203.3	3919.0	3999.3	4079.6	4160.3	4240.6	4437.8	4634.6
57.5°	5424.9	5142.7	4860.9	4578.7	4296.9	4376.8	4456.8	4536.7	4616.7	4794.9	4972.7
60°	5888.5	5598.8	5309.4	5019.7	4730.3	4760.5	4790.2	4820.3	4850.5	5041.9	5233.0
62.5°	6249.5	5983.1	5717.1	5450.7	5184.6	5151.3	5118.3	5085.0	5052.0	5197.5	5342.8
65°	6333.4	6145.9	5958.7	5771.2	5583.7	5481.2	5379.0	5276.4	5173.9	5232.7	5291.5
67.5°	6093.2	5966.6	5840.4	5713.9	5587.3	5373.2	5159.2	4944.8	4730.7	4699.5	4668.3
70°	5535.7	5466.5	5397.6	5328.4	5259.6	4929.7	4600.2	4270.3	3940.8	3861.6	3782.3
72.5°	4368.2	4411.2	4454.3	4497.6	4540.7	4187.5	3834.7	3481.5	3128.3	3028.0	2927.9
75°	3080.3	3226.2	3372.2	3518.1	3664.0	3342.0	3020.4	2698.4	2376.5	2280.0	2183.9
77.5°	1670.1	1943.7	2217.3	2490.8	2764.4	2498.7	2233.4	1967.7	1702.0	1635.0	1568.3
80°	791.7	949.4	1106.8	1264.6	1422.4	1362.5	1302.6	1242.4	1182.5	1197.2	1211.9
82.5°	242.7	356.8	470.8	584.8	698.8	707.8	716.4	725.3	734.3	756.5	778.4
85°	81.4	111.5	141.6	171.7	201.9	254.9	308.0	361.4	414.5	380.1	346.0
87.5°	0.0	1.1	1.8	2.9	3.6	11.1	18.6	26.2	33.7	29.0	24.7
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: P596311  
 CATALOG NUMBER: MSA-SA3A-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: P596311

CATALOG NUMBER: MSA-SA3A-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°	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	954.1	969.9	970.2	971.0	971.3	971.7	973.5	975.3	977.4	979.2	967.4
5°	1296.9	1308.3	1287.2	1266.0	1244.5	1223.4	1242.4	1261.4	1280.4	1299.4	1291.1
7.5°	1460.7	1453.6	1451.1	1448.9	1446.4	1444.2	1451.4	1458.6	1465.8	1472.9	1472.2
10°	1592.0	1624.6	1632.5	1640.4	1648.6	1656.5	1640.0	1623.5	1607.0	1590.5	1583.7
12.5°	1711.4	1744.3	1770.5	1796.7	1823.2	1849.4	1825.7	1802.4	1778.8	1755.5	1733.2
15°	1697.7	1720.3	1741.8	1763.3	1784.9	1806.4	1798.5	1791.0	1783.1	1775.2	1771.6
17.5°	1730.4	1744.0	1739.0	1733.9	1728.6	1723.5	1721.0	1718.9	1716.4	1713.9	1705.3
20°	1677.3	1690.2	1687.0	1684.1	1680.9	1677.7	1675.5	1673.4	1671.2	1669.0	1662.2
22.5°	1630.7	1610.2	1604.9	1599.8	1594.5	1589.5	1590.2	1590.9	1591.2	1592.0	1622.8
25°	1685.2	1634.6	1614.9	1595.2	1575.1	1555.4	1564.4	1573.0	1581.9	1590.9	1635.3
27.5°	1695.2	1619.2	1587.7	1556.1	1524.6	1493.0	1525.3	1557.5	1589.8	1622.1	1694.1
30°	1771.2	1695.6	1651.5	1607.7	1563.6	1519.9	1561.1	1602.4	1643.6	1684.8	1763.0
32.5°	1836.5	1783.4	1751.9	1720.3	1688.8	1657.2	1659.0	1660.4	1662.2	1664.0	1774.1
35°	1890.3	1811.8	1783.1	1754.7	1726.1	1697.7	1740.4	1783.1	1825.7	1868.4	1967.4
37.5°	2120.5	2067.8	2015.1	1962.7	1910.0	1857.6	1891.7	1925.8	1960.2	1994.3	2103.6
40°	2282.9	2196.8	2183.2	2169.9	2156.3	2143.1	2160.6	2177.8	2195.4	2213.0	2308.7
42.5°	2618.8	2561.1	2524.2	2487.6	2450.7	2414.1	2428.1	2442.1	2456.4	2470.4	2561.1
45°	3016.1	2976.3	2951.9	2927.6	2902.8	2878.4	2857.3	2836.5	2815.3	2794.5	2886.7
47.5°	3396.5	3415.5	3469.3	3522.8	3576.5	3630.0	3586.2	3542.5	3498.4	3454.6	3455.0
50°	3965.6	4100.0	4127.3	4154.2	4181.4	4208.3	4115.1	4021.9	3928.3	3835.0	3823.9
52.5°	4450.7	4636.1	4645.7	4655.4	4665.5	4675.1	4637.5	4599.8	4561.8	4524.2	4424.1
55°	4831.8	5028.7	5041.9	5054.8	5068.1	5081.0	5048.0	5015.4	4982.4	4949.4	4848.3
57.5°	5150.9	5328.8	5336.7	5344.2	5352.1	5360.0	5362.5	5365.0	5367.9	5370.4	5233.8
60°	5424.5	5616.0	5600.2	5584.8	5569.0	5553.6	5529.9	5506.3	5482.6	5458.9	5370.7
62.5°	5488.3	5633.9	5609.5	5585.5	5561.1	5537.1	5517.0	5497.3	5477.2	5457.1	5400.8
65°	5350.3	5409.1	5384.0	5358.9	5333.4	5308.3	5295.4	5282.9	5270.0	5257.1	5249.9
67.5°	4636.8	4605.6	4635.3	4665.1	4694.9	4724.6	4765.1	4805.6	4846.5	4887.0	4863.4
70°	3702.7	3623.5	3656.5	3689.1	3722.1	3754.7	3816.0	3877.4	3939.0	4000.3	3983.8
72.5°	2827.5	2727.1	2731.8	2736.5	2741.5	2746.1	2744.3	2742.9	2741.1	2739.3	2768.0
75°	2087.5	1991.0	1945.5	1900.0	1854.4	1808.9	1797.8	1786.7	1775.5	1764.4	1817.8
77.5°	1501.2	1434.6	1403.4	1372.5	1341.3	1310.5	1326.3	1342.1	1358.2	1374.0	1392.6
80°	1227.0	1241.7	1217.6	1194.0	1169.9	1145.9	1163.9	1181.4	1199.3	1217.3	1161.7
82.5°	800.6	822.5	748.7	674.8	600.9	527.1	571.9	616.7	661.9	706.7	683.8
85°	311.6	277.5	236.6	196.1	155.3	114.4	148.8	183.2	217.6	252.1	275.0
87.5°	20.1	15.8	12.5	9.3	5.7	2.5	5.4	8.2	11.5	14.3	24.0
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: P596311  
 CATALOG NUMBER: MSA-SA3A-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: P596311

CATALOG NUMBER: MSA-SA3A-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	955.9	944.1	932.6	910.0	887.4	864.8	842.2	873.8	905.3	936.9	968.4
5°	1283.3	1275.0	1267.1	1269.3	1271.4	1273.9	1276.1	1280.7	1285.4	1289.7	1294.4
7.5°	1471.8	1471.1	1470.4	1453.9	1437.4	1420.6	1404.1	1412.3	1420.6	1428.8	1437.1
10°	1577.3	1570.4	1563.6	1527.4	1491.2	1454.6	1418.4	1402.6	1386.5	1370.7	1355.0
12.5°	1711.0	1688.4	1666.2	1627.5	1589.1	1550.4	1511.6	1497.3	1482.6	1468.3	1453.6
15°	1768.4	1764.8	1761.6	1733.9	1706.0	1678.4	1650.4	1601.3	1551.8	1502.7	1453.6
17.5°	1696.7	1687.7	1679.1	1722.8	1766.2	1810.0	1853.7	1802.8	1751.9	1701.0	1650.0
20°	1655.4	1648.6	1641.8	1723.2	1804.2	1885.6	1966.6	1944.1	1921.1	1898.5	1875.9
22.5°	1653.6	1684.8	1715.7	1787.0	1858.0	1929.4	2000.3	2039.4	2078.9	2118.0	2157.0
25°	1679.8	1724.6	1769.1	1887.4	2005.7	2124.4	2242.7	2287.5	2332.0	2376.8	2421.3
27.5°	1765.9	1837.9	1909.6	2012.9	2116.2	2219.8	2323.0	2420.9	2519.2	2617.1	2714.9
30°	1840.8	1919.0	1997.1	2120.1	2242.7	2365.7	2488.3	2611.0	2733.6	2856.2	2978.8
32.5°	1884.2	1994.6	2104.7	2254.2	2403.4	2552.9	2702.4	2836.8	2971.3	3105.4	3239.9
35°	2066.3	2165.6	2264.6	2429.9	2595.2	2760.8	2926.1	3092.5	3258.9	3424.9	3591.2
37.5°	2213.0	2322.7	2432.0	2612.8	2793.1	2973.8	3154.5	3384.4	3614.5	3844.4	4074.2
40°	2404.4	2500.2	2595.9	2765.1	2934.0	3103.2	3272.5	3564.0	3855.5	4146.6	4438.1
42.5°	2651.5	2742.2	2832.9	3014.0	3195.0	3376.1	3557.2	3879.9	4202.6	4524.9	4847.6
45°	2978.8	3071.3	3163.5	3307.6	3451.8	3595.9	3740.0	4083.2	4425.9	4769.1	5111.8
47.5°	3455.3	3455.7	3456.1	3560.0	3664.0	3768.4	3872.3	4218.0	4563.3	4908.9	5254.2
50°	3812.8	3801.3	3790.2	3844.0	3897.4	3951.2	4005.0	4323.0	4641.4	4959.5	5277.5
52.5°	4324.5	4224.4	4124.8	4156.7	4188.2	4220.1	4251.7	4521.0	4790.6	5059.9	5329.1
55°	4747.6	4646.4	4545.3	4533.5	4521.7	4509.8	4498.0	4745.8	4993.5	5241.3	5489.0
57.5°	5097.5	4960.9	4824.6	4797.4	4770.5	4743.3	4716.0	4977.4	5238.4	5499.8	5760.8
60°	5282.9	5194.7	5106.5	5088.9	5071.0	5053.4	5035.5	5249.9	5464.3	5678.7	5893.1
62.5°	5344.9	5288.6	5232.7	5265.7	5298.7	5332.0	5365.0	5459.3	5553.2	5647.5	5741.5
65°	5243.1	5235.9	5228.7	5296.5	5363.9	5431.7	5499.4	5476.1	5452.5	5429.2	5405.9
67.5°	4840.1	4816.4	4793.1	4941.9	5090.3	5239.1	5387.9	5275.0	5161.7	5048.7	4935.8
70°	3967.4	3950.5	3934.0	4148.4	4362.8	4577.6	4792.0	4655.1	4518.1	4381.1	4244.2
72.5°	2796.3	2825.0	2853.7	3106.5	3358.9	3611.7	3864.1	3726.1	3588.0	3450.0	3311.9
75°	1870.9	1924.3	1977.8	2238.1	2498.4	2759.0	3019.3	2857.3	2695.2	2533.2	2371.1
77.5°	1411.3	1429.9	1448.5	1613.1	1777.7	1942.6	2107.2	1973.5	1839.4	1705.6	1571.5
80°	1106.1	1050.2	994.6	1048.8	1102.9	1157.0	1211.2	1131.2	1051.3	971.7	891.7
82.5°	660.8	637.9	614.9	644.3	673.4	702.8	732.2	697.7	663.0	628.5	593.8
85°	297.6	320.5	343.1	372.9	402.3	432.1	461.8	413.8	365.7	317.7	269.6
87.5°	33.3	43.0	52.7	65.3	77.8	90.4	102.9	80.3	57.4	34.8	12.2
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):**

	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





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**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	758.0	758.0
2.5°	986.7	1005.0
5°	1294.0	1293.3
7.5°	1415.6	1393.7
10°	1334.9	1314.8
12.5°	1402.3	1351.0
15°	1414.8	1376.1
17.5°	1586.9	1523.5
20°	1794.5	1712.8
22.5°	2045.2	1932.9
25°	2287.9	2154.5
27.5°	2635.0	2554.7
30°	2897.8	2816.4
32.5°	3184.6	3129.4
35°	3536.4	3481.2
37.5°	4088.5	4102.5
40°	4446.7	4455.3
42.5°	4880.9	4914.3
45°	5149.1	5186.4
47.5°	5306.2	5358.2
50°	5361.4	5445.3
52.5°	5432.7	5536.0
55°	5604.1	5719.2
57.5°	5852.6	5944.4
60°	5897.4	5901.7
62.5°	5675.1	5608.8
65°	5335.2	5264.6
67.5°	4893.1	4850.1
70°	4187.5	4130.9
72.5°	3206.5	3101.1
75°	2240.6	2110.1
77.5°	1503.0	1434.6
80°	893.9	895.7
82.5°	610.3	626.4
85°	266.4	262.8
87.5°	8.6	4.7
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: P596311  
CATALOG NUMBER: MSA-SA3A-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)