

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: P366875

Luminaire Tested: **MSA-SA1C-727-U-SLR-HSS**

Issue Date: 12/2/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P366875  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 12/2/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: MSA-SA1C-727-U-SLR-HSS  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) 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: 3826 lumens  
Efficiency: N/A  
Efficacy: 64.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1

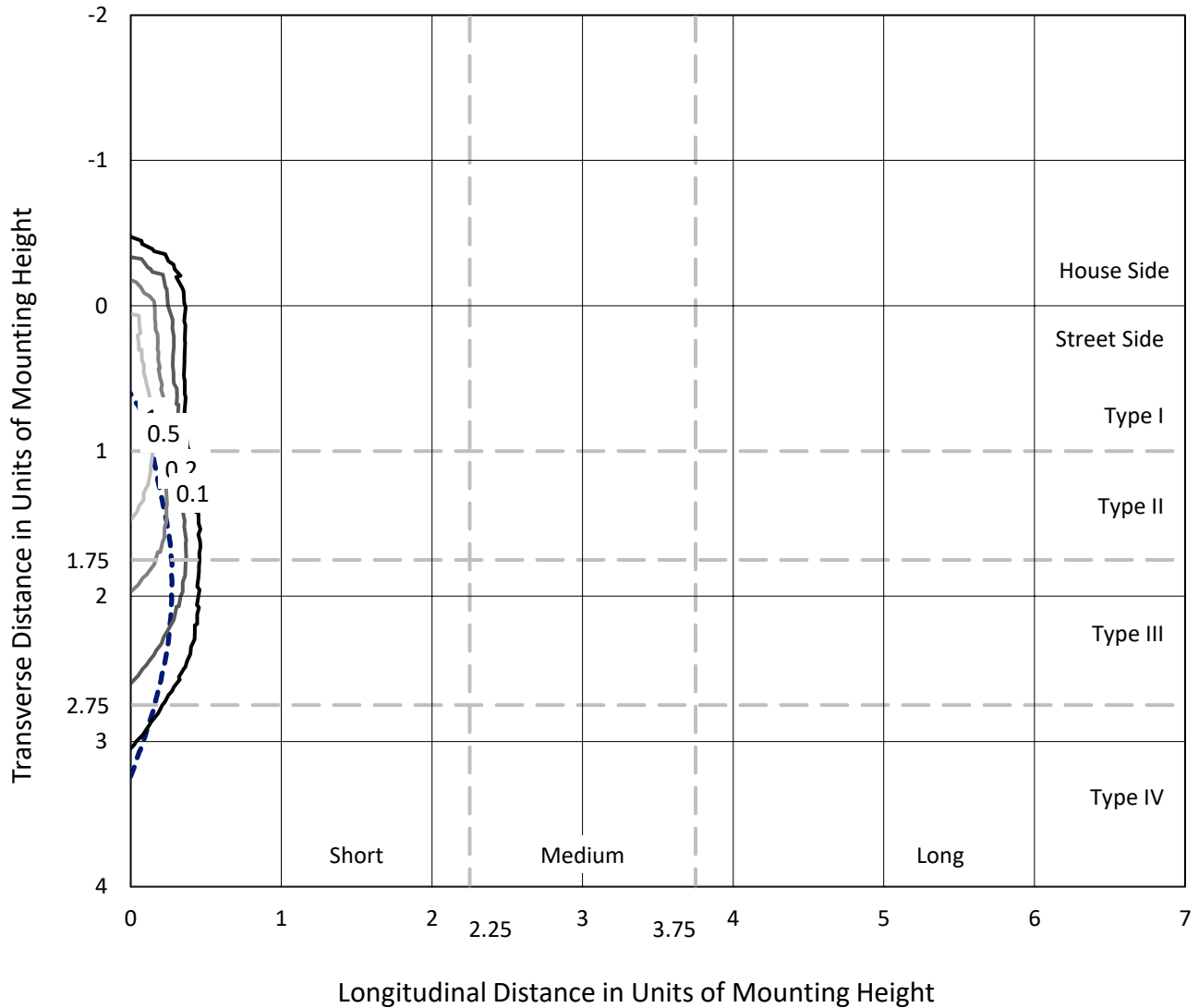
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

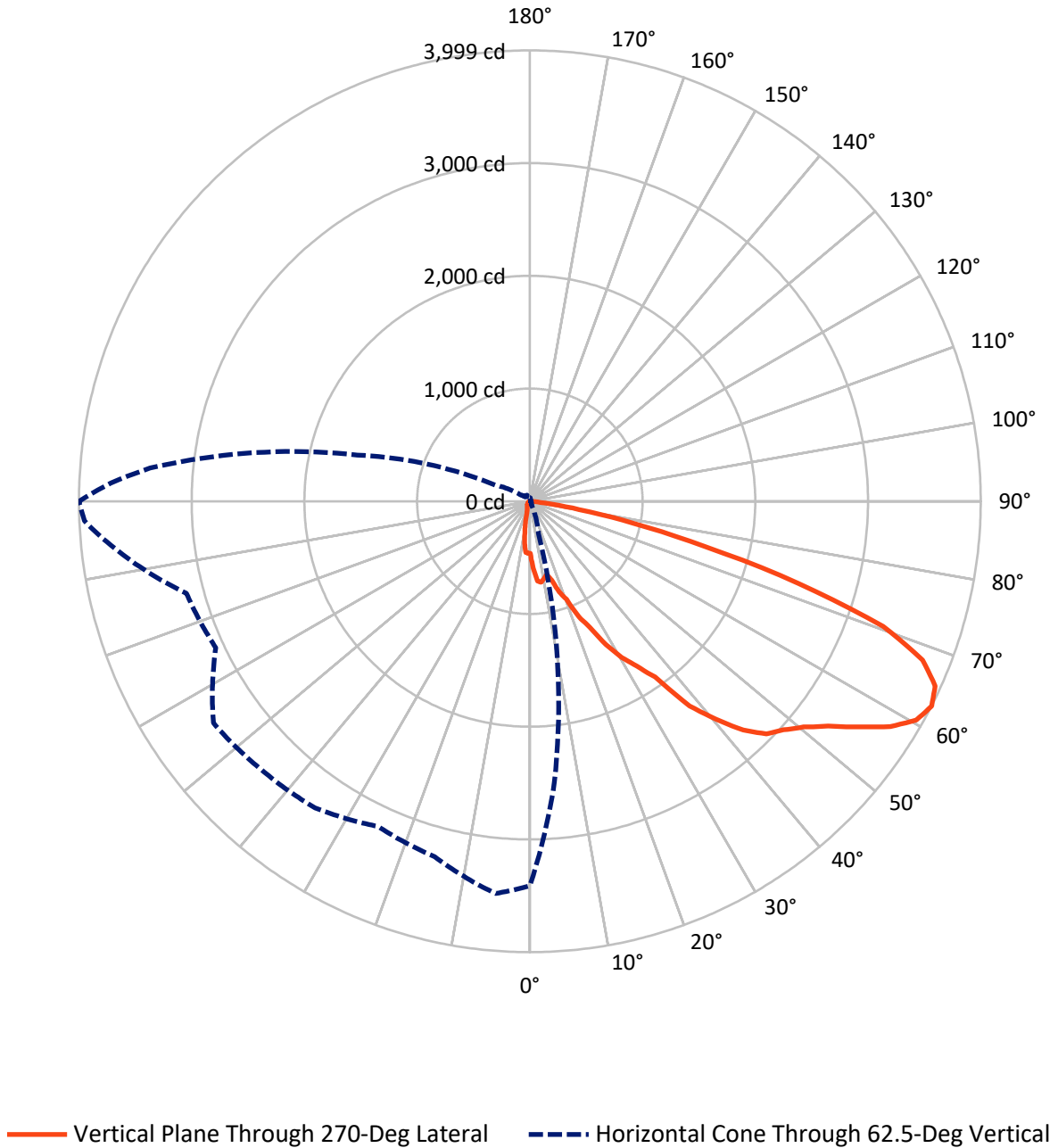
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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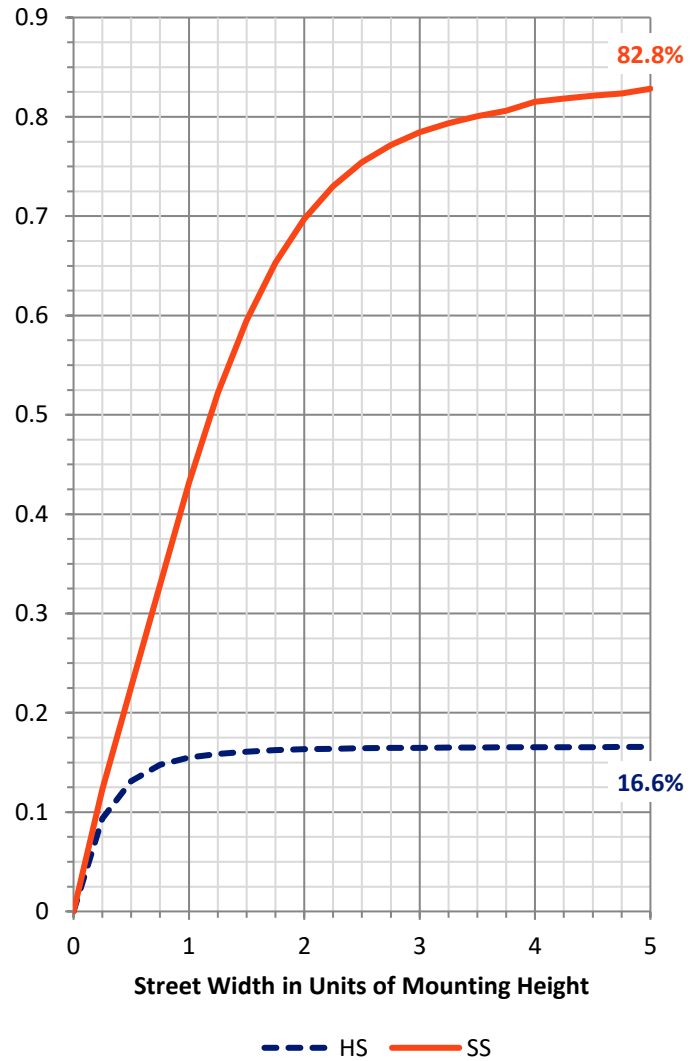
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	638.9	0.0	638.9
	% Fixture	16.7	0.0	16.7
<b>Street Side</b>	Lumens	3187.1	0.0	3187.1
	% Fixture	83.3	0.0	83.3
<b>Total</b>	Lumens	3826.0	0.0	3826.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.5	1.3
10°-20°	134.6	3.5
20°-30°	217.5	5.7
30°-40°	364.3	9.5
40°-50°	595.5	15.6
50°-60°	881.5	23.0
60°-70°	1012.0	26.5
70°-80°	500.4	13.1
80°-90°	68.7	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3826.0	100.0
0°-180°	3826.0	100.0

**Coefficient of Utilization**

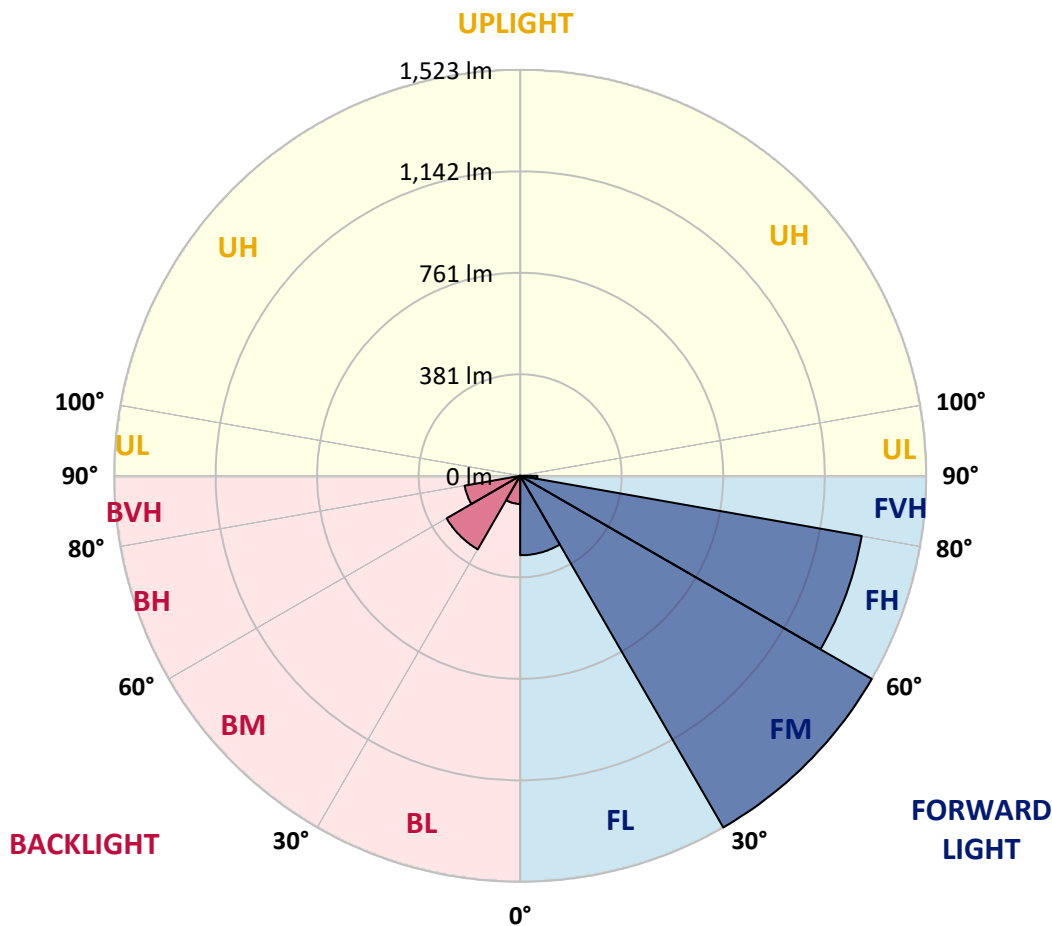


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	298.1	7.8			
FM (30°-60°)	1522.9	39.8			
FH (60°-80°)	1301.0	34.0			G1/1800
FVH (80°-90°)	65.1	1.7			G1/100
BL (0°-30°)	105.5	2.8	B0/110		
BM (30°-60°)	318.4	8.3	B1/1000		
BH (60°-80°)	211.4	5.5	B1/500		G1/500
BVH (80°-90°)	3.7	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-G1**  
 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°	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1
2.5°	611.3	619.0	626.4	612.2	598.0	583.8	569.7	557.0	544.4	531.5	518.8
5°	786.7	772.7	758.7	739.6	720.4	701.2	682.0	673.0	664.1	655.2	646.2
7.5°	847.7	822.9	797.8	780.8	764.0	747.0	730.0	703.1	676.1	649.3	622.2
10°	799.8	773.4	746.8	731.9	717.1	702.3	687.4	654.1	620.5	587.1	553.5
12.5°	821.8	793.2	764.6	734.1	703.6	673.0	642.5	617.0	591.3	565.7	540.0
15°	837.0	804.3	771.4	736.5	701.6	666.7	631.8	601.7	571.8	541.7	511.6
17.5°	926.7	879.8	832.9	779.3	725.6	671.9	618.3	583.4	548.7	513.8	478.9
20°	1041.8	975.3	908.6	836.0	763.3	690.7	618.1	574.7	531.3	487.9	444.5
22.5°	1175.7	1092.7	1009.3	919.7	830.3	740.6	651.0	588.6	526.3	463.9	401.5
25°	1310.5	1235.5	1160.5	1039.9	919.3	798.4	677.8	598.7	519.3	440.1	360.7
27.5°	1553.9	1419.8	1285.7	1132.1	978.8	825.3	671.7	581.0	490.3	399.3	308.6
30°	1713.1	1610.0	1506.6	1303.8	1101.2	898.3	695.5	580.6	465.6	350.5	235.5
32.5°	1903.5	1752.6	1601.5	1381.4	1161.4	941.3	721.2	586.2	451.0	316.0	180.8
35°	2117.5	1953.3	1789.0	1510.3	1231.6	952.6	673.9	543.1	412.2	281.3	150.5
37.5°	2495.4	2220.6	1945.8	1620.9	1295.7	970.7	645.6	514.9	384.1	253.4	122.6
40°	2710.0	2447.7	2185.3	1779.2	1373.1	967.0	560.9	444.9	329.1	213.1	97.1
42.5°	2989.2	2656.4	2323.4	1869.5	1415.6	961.8	507.9	400.6	293.3	185.8	78.5
45°	3154.7	2777.6	2400.6	1908.8	1417.0	925.2	433.4	340.4	247.5	154.6	61.7
47.5°	3259.2	2881.0	2502.8	1974.8	1447.1	919.0	391.0	305.5	220.1	134.6	49.1
50°	3312.2	2932.9	2553.4	2010.8	1468.2	925.4	382.8	297.7	212.4	127.4	42.1
52.5°	3367.4	3001.6	2635.7	2073.2	1510.7	948.3	385.8	299.0	212.4	125.6	38.8
55°	3478.8	3118.1	2757.1	2162.6	1568.1	973.6	379.0	293.6	208.1	122.4	36.9
57.5°	3615.8	3230.2	2844.4	2228.0	1611.7	995.4	379.0	293.1	207.2	121.0	35.1
60°	3589.8	3171.3	2752.6	2154.6	1556.5	958.3	360.3	278.5	196.9	115.2	33.4
62.5°	3411.6	2957.4	2502.8	1950.2	1397.3	844.7	291.8	226.6	161.4	96.0	30.8
65°	3202.3	2720.1	2237.6	1729.1	1220.2	711.6	202.8	159.2	115.4	71.8	27.9
67.5°	2950.2	2435.9	1921.6	1469.3	1017.2	564.9	112.5	90.7	68.9	46.9	25.1
70°	2512.7	1981.8	1450.8	1103.1	755.7	408.1	60.4	51.0	41.7	32.3	22.9
72.5°	1886.3	1399.9	913.6	694.0	474.6	255.0	35.3	31.8	28.1	24.6	20.9
75°	1283.5	919.0	554.6	422.2	290.1	157.7	25.3	23.6	21.6	19.8	17.9
77.5°	872.6	631.2	389.7	297.5	205.2	113.0	20.7	19.6	18.5	17.2	16.1
80°	544.8	372.9	201.1	154.8	108.4	62.2	15.7	15.0	14.4	13.5	12.9
82.5°	381.0	227.9	74.8	58.4	42.1	25.5	9.2	9.4	9.6	9.6	9.8
85°	159.9	86.4	12.9	10.9	8.9	7.0	5.0	5.5	6.1	6.5	7.0
87.5°	2.8	1.5	0.0	0.4	1.1	1.5	2.0	2.6	3.1	3.7	4.1
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



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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°	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1
2.5°	522.1	525.4	528.4	531.7	529.1	526.7	524.1	521.5	517.5	513.8	509.9
5°	635.3	624.4	613.5	602.6	586.0	569.4	552.7	536.1	534.1	532.1	530.0
7.5°	596.7	571.2	545.5	519.9	495.9	472.0	448.0	424.0	416.6	409.4	401.9
10°	533.9	514.3	494.4	474.8	457.6	440.1	422.9	405.4	387.3	369.2	350.9
12.5°	519.5	499.0	478.3	457.8	442.1	426.4	410.7	395.0	374.7	354.4	334.1
15°	489.4	467.2	444.9	422.7	401.7	380.8	359.6	338.7	314.3	289.8	265.4
17.5°	452.5	426.4	400.0	373.6	346.1	318.6	291.2	263.7	235.5	207.6	179.5
20°	408.7	372.9	337.0	301.2	267.2	233.1	198.9	164.9	147.2	129.8	112.1
22.5°	355.3	308.8	262.6	216.1	188.2	160.1	132.2	104.0	96.4	88.8	81.1
25°	308.2	255.6	203.0	150.5	132.8	115.2	97.5	79.8	76.3	72.6	69.1
27.5°	259.1	209.8	160.3	110.8	100.8	90.5	80.5	70.2	67.8	65.6	63.2
30°	198.7	161.8	124.7	87.9	81.3	74.8	68.0	61.5	60.4	59.1	58.0
32.5°	154.0	126.9	100.1	73.1	69.4	65.6	61.9	58.2	56.5	54.7	52.8
35°	128.7	107.1	85.3	63.5	60.8	58.0	55.4	52.6	50.8	48.9	47.1
37.5°	106.6	90.9	75.0	59.1	56.3	53.4	50.4	47.5	46.2	44.9	43.6
40°	87.9	78.7	69.6	60.4	56.3	52.1	48.0	43.8	42.7	41.7	40.6
42.5°	72.6	66.7	60.6	54.7	51.7	48.9	45.8	42.7	41.2	39.5	37.9
45°	58.7	55.4	52.3	49.1	49.3	49.5	49.5	49.7	45.8	41.7	37.7
47.5°	47.5	46.0	44.3	42.7	44.5	46.2	47.8	49.5	45.4	41.2	36.9
50°	40.8	39.7	38.4	37.1	38.8	40.8	42.5	44.3	42.5	41.0	39.3
52.5°	37.3	35.8	34.2	32.7	33.4	34.2	34.9	35.5	35.5	35.5	35.5
55°	35.1	33.6	31.8	30.1	29.4	28.6	27.9	27.0	26.0	25.1	24.0
57.5°	33.4	31.6	29.7	27.9	26.8	25.5	24.4	23.1	22.0	20.7	19.6
60°	31.6	29.9	27.9	26.2	25.1	24.0	22.7	21.6	20.3	19.2	17.9
62.5°	29.2	27.7	26.2	24.6	23.6	22.7	21.6	20.5	19.2	17.9	16.4
65°	26.6	25.5	24.2	22.9	21.8	20.7	19.6	18.5	17.2	16.1	14.8
67.5°	24.2	23.1	22.2	21.2	19.8	18.8	17.4	16.1	15.3	14.4	13.3
70°	22.2	21.4	20.7	19.8	18.5	17.4	16.1	14.8	14.2	13.3	12.6
72.5°	20.3	19.6	18.8	18.1	17.0	15.9	14.8	13.7	13.1	12.4	11.8
75°	17.4	17.0	16.6	16.1	15.0	14.0	12.6	11.6	11.3	11.1	10.9
77.5°	15.7	15.5	15.0	14.6	13.5	12.4	11.3	10.3	10.5	10.7	10.7
80°	12.9	12.9	12.6	12.6	11.8	10.9	9.8	8.9	9.4	10.0	10.5
82.5°	9.8	9.8	9.8	9.8	8.9	8.1	7.2	6.3	7.0	7.4	8.1
85°	6.8	6.5	6.3	6.1	5.5	5.0	4.4	3.7	4.6	5.2	6.1
87.5°	4.1	4.4	4.4	4.4	3.9	3.3	2.8	2.2	2.6	2.8	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366875  
 CATALOG NUMBER: MSA-SA1C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366875  
 CATALOG NUMBER: MSA-SA1C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1
2.5°	506.0	499.4	492.9	486.1	479.6	464.3	449.1	433.8	418.5	429.9	441.0
5°	528.0	515.4	502.5	489.8	477.0	471.3	465.8	460.2	454.5	455.4	456.5
7.5°	394.5	386.2	378.0	369.5	361.2	359.4	357.9	356.1	354.4	358.1	361.6
10°	332.8	321.3	309.5	297.9	286.1	279.8	273.5	267.2	260.8	260.2	259.3
12.5°	313.8	296.2	278.7	261.1	243.4	229.7	215.9	202.2	188.4	189.5	190.6
15°	241.0	223.3	205.9	188.2	170.5	159.4	148.1	137.0	125.6	122.4	119.1
17.5°	151.4	138.3	125.2	111.9	98.8	95.1	91.6	87.9	84.2	83.1	82.0
20°	94.4	88.8	83.1	77.2	71.5	70.7	69.8	68.9	68.0	68.7	69.4
22.5°	73.5	71.1	68.5	66.1	63.5	62.6	61.7	60.8	60.0	60.6	61.1
25°	65.4	63.7	61.9	60.2	58.4	57.6	56.5	55.6	54.5	55.0	55.6
27.5°	60.8	59.3	57.8	56.3	54.7	53.2	51.9	50.4	48.9	49.7	50.4
30°	56.7	55.0	53.4	51.7	49.9	48.4	46.9	45.1	43.6	44.5	45.4
32.5°	51.0	49.5	47.8	46.2	44.5	43.6	42.7	41.7	40.8	41.4	41.9
35°	45.1	43.8	42.7	41.4	40.1	39.3	38.6	37.7	36.9	37.1	37.5
37.5°	42.3	40.8	39.3	37.7	36.2	35.8	35.3	34.7	34.2	34.2	34.2
40°	39.5	37.9	36.4	34.7	33.2	32.5	31.8	31.2	30.5	30.5	30.5
42.5°	36.2	34.7	33.2	31.6	30.1	29.4	28.6	27.9	27.0	27.0	27.0
45°	33.6	32.1	30.8	29.2	27.7	26.6	25.5	24.2	23.1	22.9	22.7
47.5°	32.7	30.5	28.4	26.2	24.0	22.9	21.8	20.5	19.4	19.2	19.0
50°	37.5	33.2	28.8	24.4	20.1	19.2	18.3	17.4	16.6	16.1	15.9
52.5°	35.5	31.0	26.4	21.8	17.2	16.6	15.9	15.3	14.6	14.2	13.7
55°	22.9	20.9	19.2	17.2	15.3	14.8	14.4	13.7	13.3	12.9	12.4
57.5°	18.3	17.2	16.4	15.3	14.2	13.7	13.3	12.6	12.2	11.6	11.1
60°	16.6	15.7	14.8	14.0	13.1	12.6	12.2	11.8	11.3	10.7	10.3
62.5°	15.0	14.4	13.7	13.1	12.4	12.0	11.6	11.1	10.7	10.0	9.4
65°	13.5	13.1	12.6	12.2	11.8	11.3	10.9	10.3	9.8	9.2	8.5
67.5°	12.4	12.2	12.0	11.8	11.6	11.1	10.5	10.0	9.4	8.7	7.9
70°	11.8	11.8	11.8	11.6	11.6	11.1	10.5	10.0	9.4	8.5	7.9
72.5°	11.1	11.3	11.6	11.6	11.8	11.1	10.5	9.8	9.2	8.3	7.6
75°	10.7	10.9	11.1	11.1	11.3	10.9	10.5	9.8	9.4	8.5	7.6
77.5°	10.9	11.1	11.1	11.3	11.3	10.9	10.5	9.8	9.4	8.3	7.2
80°	10.9	10.7	10.5	10.0	9.8	8.9	8.1	7.0	6.1	4.8	3.7
82.5°	8.5	8.1	7.9	7.4	7.0	6.1	5.2	4.4	3.5	2.6	1.7
85°	6.8	6.3	6.1	5.7	5.2	4.6	3.7	3.1	2.2	1.7	1.1
87.5°	3.5	3.3	2.8	2.6	2.2	1.7	1.1	0.7	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: P366875  
 CATALOG NUMBER: MSA-SA1C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366875  
 CATALOG NUMBER: MSA-SA1C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1
2.5°	452.3	463.4	461.9	460.4	467.6	474.8	469.6	464.5	459.3	454.1	443.2
5°	457.3	458.2	456.7	454.9	455.2	455.4	451.9	448.4	444.9	441.4	440.8
7.5°	365.3	368.8	373.6	378.2	378.4	378.4	375.8	373.2	370.3	367.7	369.0
10°	258.7	257.8	259.1	260.4	260.2	259.8	266.7	273.7	280.5	287.4	282.4
12.5°	191.5	192.6	187.1	181.7	183.6	185.4	186.5	187.6	188.7	189.7	192.8
15°	115.8	112.5	108.6	104.7	106.6	108.4	110.4	112.1	114.1	115.8	117.8
17.5°	80.7	79.6	77.9	75.9	76.1	76.3	76.6	76.8	76.8	77.0	77.4
20°	70.0	70.7	69.4	67.8	67.4	66.7	66.3	65.9	65.2	64.8	64.1
22.5°	61.7	62.2	62.4	62.4	61.5	60.4	59.5	58.9	58.0	57.1	56.7
25°	56.1	56.5	56.1	55.4	55.0	54.5	54.1	53.4	53.0	52.3	52.1
27.5°	51.3	51.9	51.9	51.7	51.3	50.6	49.5	48.6	47.5	46.5	46.7
30°	46.2	47.1	47.1	46.9	46.7	46.5	45.4	44.3	43.2	42.1	42.5
32.5°	42.5	43.0	42.7	42.5	42.5	42.3	41.4	40.8	39.9	39.0	39.0
35°	37.7	37.9	37.9	37.9	37.9	37.7	37.1	36.4	35.8	35.1	35.3
37.5°	34.2	34.2	34.9	35.3	34.9	34.5	34.0	33.4	32.9	32.3	32.3
40°	30.3	30.3	31.0	31.4	31.0	30.5	30.3	29.9	29.7	29.2	29.2
42.5°	26.8	26.8	27.5	27.9	27.9	27.7	27.3	26.8	26.4	26.0	26.2
45°	22.5	22.2	23.3	24.2	23.8	23.3	23.3	23.1	23.1	22.9	23.1
47.5°	18.5	18.3	19.2	20.1	19.8	19.4	19.4	19.4	19.4	19.4	19.6
50°	15.5	15.0	15.9	16.6	16.4	15.9	15.9	16.1	16.1	16.1	16.4
52.5°	13.3	12.9	13.5	14.0	13.7	13.5	13.5	13.7	13.7	13.7	14.0
55°	11.8	11.3	12.0	12.4	12.2	11.8	12.0	12.0	12.2	12.2	12.2
57.5°	10.5	9.8	10.3	10.7	10.7	10.5	10.7	10.7	10.9	10.9	10.9
60°	9.6	8.9	9.4	9.6	9.6	9.4	9.6	9.6	9.8	9.8	9.8
62.5°	8.5	7.9	8.3	8.5	8.5	8.3	8.5	8.5	8.7	8.7	8.7
65°	7.6	7.0	7.2	7.4	7.4	7.4	7.6	7.6	7.9	7.9	7.9
67.5°	7.2	6.3	6.5	6.8	6.8	6.8	7.0	7.0	7.2	7.2	7.4
70°	7.0	6.1	6.3	6.3	6.5	6.5	6.5	6.8	6.8	6.8	6.8
72.5°	6.8	5.9	5.9	5.9	6.1	6.1	6.1	6.3	6.3	6.3	6.3
75°	6.8	5.9	5.7	5.5	5.7	5.7	5.7	5.9	5.9	5.9	5.9
77.5°	5.9	4.8	4.4	3.7	4.4	4.8	5.0	5.0	5.2	5.2	5.2
80°	2.4	1.1	0.7	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.5
82.5°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.7	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: P366875  
 CATALOG NUMBER: MSA-SA1C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366875  
 CATALOG NUMBER: MSA-SA1C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1
2.5°	432.3	421.4	410.5	415.7	420.9	426.2	431.4	431.0	430.3	429.9	429.2
5°	440.3	439.7	439.0	436.0	433.1	430.1	427.0	426.4	425.5	424.8	424.0
7.5°	370.3	371.4	372.7	369.2	365.7	362.3	358.8	349.8	340.9	331.7	322.8
10°	277.4	272.2	267.2	266.7	266.3	265.9	265.4	264.5	263.7	262.6	261.7
12.5°	196.1	199.1	202.2	201.1	200.0	198.7	197.6	199.1	200.9	202.4	203.9
15°	119.5	121.5	123.2	127.1	131.1	135.0	138.9	140.5	142.2	143.7	145.3
17.5°	77.9	78.1	78.5	82.9	87.0	91.4	95.5	98.4	101.2	103.8	106.6
20°	63.5	62.8	62.2	64.6	67.0	69.4	71.8	74.4	77.0	79.6	82.2
22.5°	56.5	56.1	55.6	56.5	57.4	58.0	58.9	60.8	63.0	65.0	67.0
25°	51.9	51.5	51.3	51.7	52.1	52.6	53.0	54.1	55.2	56.3	57.4
27.5°	46.7	46.9	46.9	47.3	47.5	48.0	48.2	48.6	49.3	49.7	50.2
30°	42.7	43.2	43.4	43.8	44.1	44.5	44.7	44.5	44.3	44.1	43.8
32.5°	39.0	38.8	38.8	39.3	39.5	39.9	40.1	40.6	41.0	41.2	41.7
35°	35.3	35.5	35.5	35.5	35.8	35.8	35.8	36.2	36.9	37.3	37.7
37.5°	32.1	32.1	31.8	32.5	32.9	33.6	34.0	34.5	35.1	35.5	36.0
40°	29.2	29.2	29.2	29.7	30.1	30.3	30.8	31.8	32.9	34.0	35.1
42.5°	26.2	26.4	26.4	26.8	27.3	27.5	27.9	28.8	29.4	30.3	31.0
45°	23.3	23.6	23.8	24.2	24.4	24.9	25.1	25.5	25.7	26.2	26.4
47.5°	20.1	20.3	20.5	20.9	21.2	21.6	21.8	21.6	21.6	21.4	21.2
50°	16.8	17.0	17.2	17.9	18.3	19.0	19.4	19.0	18.5	17.9	17.4
52.5°	14.2	14.2	14.4	14.8	15.3	15.5	15.9	15.7	15.5	15.3	15.0
55°	12.2	12.2	12.2	12.4	12.6	12.9	13.1	13.3	13.3	13.5	13.5
57.5°	10.9	10.7	10.7	10.9	11.1	11.1	11.3	11.6	11.6	11.8	11.8
60°	9.8	9.6	9.6	9.8	10.0	10.3	10.5	10.5	10.5	10.3	10.3
62.5°	8.7	8.7	8.7	8.9	8.9	9.2	9.2	9.2	9.4	9.4	9.4
65°	8.1	8.1	8.1	8.1	8.1	7.9	7.9	8.1	8.1	8.3	8.3
67.5°	7.4	7.6	7.6	7.4	7.2	7.0	6.8	7.0	7.0	7.2	7.2
70°	6.8	6.8	6.8	6.5	6.3	6.1	5.9	5.9	5.9	5.7	5.7
72.5°	6.3	6.1	6.1	5.9	5.5	5.2	4.8	4.6	4.6	4.4	4.1
75°	5.9	5.7	5.7	5.2	4.8	4.4	3.9	3.7	3.3	3.1	2.6
77.5°	5.2	5.2	5.2	4.6	4.1	3.5	2.8	2.4	2.0	1.3	0.9
80°	1.7	2.0	2.2	2.0	2.0	1.7	1.5	1.1	0.9	0.4	0.0
82.5°	0.2	0.2	0.2	0.2	0.2	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: P366875  
 CATALOG NUMBER: MSA-SA1C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P366875  
 CATALOG NUMBER: MSA-SA1C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1
2.5°	431.6	434.0	436.4	438.8	439.0	439.2	439.5	439.7	434.2	428.6	423.1
5°	428.3	432.9	437.3	441.6	439.2	436.8	434.4	432.0	431.8	431.8	431.6
7.5°	323.4	323.9	324.5	325.0	325.8	326.7	327.4	328.2	331.7	335.2	338.5
10°	258.9	256.0	253.0	250.2	248.0	245.6	243.4	241.0	242.7	244.7	246.4
12.5°	201.5	199.1	196.5	194.1	193.2	192.4	191.3	190.4	196.1	201.7	207.2
15°	144.8	144.4	143.7	143.3	146.1	149.0	151.8	154.6	159.4	164.0	168.8
17.5°	107.7	108.8	109.9	111.0	112.8	114.5	116.0	117.8	121.3	125.0	128.5
20°	83.5	85.1	86.4	87.7	87.2	86.8	86.1	85.7	88.5	91.4	94.0
22.5°	68.3	69.4	70.7	71.8	72.0	72.2	72.4	72.6	74.4	75.9	77.6
25°	58.4	59.8	60.8	61.9	62.2	62.4	62.6	62.8	65.0	67.2	69.1
27.5°	51.7	53.0	54.5	55.8	56.3	56.7	57.1	57.6	58.9	60.0	61.3
30°	45.6	47.3	49.1	50.8	51.5	52.1	52.8	53.4	54.7	56.3	57.6
32.5°	42.5	43.6	44.5	45.4	46.9	48.2	49.7	51.0	52.6	54.3	55.8
35°	39.0	40.1	41.4	42.5	43.6	44.7	45.6	46.7	47.5	48.4	49.1
37.5°	36.9	37.9	38.8	39.7	40.1	40.6	40.8	41.2	41.7	42.1	42.3
40°	35.1	34.9	34.9	34.7	35.1	35.8	36.2	36.6	37.9	39.0	40.3
42.5°	30.5	29.9	29.4	28.8	29.9	30.8	31.8	32.7	34.5	36.2	37.9
45°	26.0	25.5	24.9	24.4	26.0	27.5	29.0	30.5	32.5	34.2	36.2
47.5°	21.4	21.6	21.6	21.8	23.3	24.9	26.2	27.7	29.7	31.6	33.6
50°	17.9	18.3	18.8	19.2	20.7	22.0	23.6	24.9	27.0	29.0	31.2
52.5°	15.7	16.4	16.8	17.4	18.8	20.3	21.6	22.9	24.9	26.8	28.8
55°	14.2	15.0	15.7	16.4	17.4	18.5	19.6	20.7	22.7	24.6	26.4
57.5°	12.4	13.1	13.7	14.4	15.5	16.6	17.4	18.5	20.3	22.2	24.0
60°	10.9	11.3	12.0	12.4	13.3	14.4	15.3	16.1	17.9	19.6	21.2
62.5°	9.6	10.0	10.3	10.5	11.3	12.2	13.1	14.0	15.5	17.2	18.8
65°	8.5	8.7	8.7	8.9	9.6	10.5	11.1	11.8	13.5	15.0	16.8
67.5°	7.2	7.4	7.4	7.4	8.1	8.7	9.4	10.0	11.6	13.3	14.8
70°	5.7	5.9	5.9	5.9	6.5	7.4	8.1	8.7	10.0	11.3	12.6
72.5°	4.4	4.4	4.6	4.6	5.2	6.1	6.8	7.4	8.5	9.6	10.7
75°	2.8	3.1	3.1	3.3	3.9	4.8	5.5	6.1	7.2	8.3	9.2
77.5°	1.1	1.5	1.7	2.0	2.6	3.3	3.9	4.6	5.5	6.5	7.4
80°	0.0	0.2	0.2	0.2	0.7	0.9	1.3	1.5	2.2	3.1	3.7
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: P366875  
 CATALOG NUMBER: MSA-SA1C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366875  
 CATALOG NUMBER: MSA-SA1C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1
2.5°	417.4	429.4	441.4	453.4	465.4	480.2	495.1	497.3	499.4	496.8	494.4
5°	431.4	437.3	442.9	448.8	454.5	471.5	488.3	488.5	488.5	488.7	488.7
7.5°	342.0	347.0	352.0	356.8	361.8	372.9	384.1	388.2	392.1	391.3	390.4
10°	248.2	254.7	261.1	267.6	273.9	284.2	294.4	298.4	302.1	314.1	326.3
12.5°	212.9	219.2	225.5	231.6	237.9	248.4	258.9	266.5	273.9	281.3	288.8
15°	173.4	178.4	183.6	188.7	193.7	198.5	203.3	212.6	221.8	229.2	236.6
17.5°	131.9	134.1	136.1	138.3	140.2	142.4	144.6	148.5	152.2	158.8	165.1
20°	96.8	98.6	100.3	101.8	103.6	105.8	108.0	110.8	113.4	114.9	116.2
22.5°	79.2	81.8	84.4	86.8	89.4	90.9	92.5	93.3	94.2	94.9	95.5
25°	71.3	73.7	75.9	78.3	80.5	81.1	81.8	83.5	85.3	85.3	85.3
27.5°	62.4	65.6	69.1	72.4	75.7	76.6	77.2	77.9	78.3	77.4	76.3
30°	58.9	62.2	65.4	68.5	71.8	73.1	74.2	74.8	75.5	74.4	73.3
32.5°	57.4	60.4	63.2	66.3	69.1	70.9	72.4	74.2	75.7	75.9	76.3
35°	49.9	51.9	54.1	56.1	58.0	58.9	59.8	60.4	60.8	60.8	60.8
37.5°	42.7	45.4	48.2	50.8	53.4	55.4	57.4	57.6	57.6	58.0	58.7
40°	41.4	44.1	46.7	49.1	51.7	53.9	55.8	56.1	56.3	56.7	57.1
42.5°	39.7	42.5	45.4	48.2	51.0	53.2	55.2	55.2	55.0	55.6	56.1
45°	37.9	40.8	43.4	46.2	48.9	51.7	54.3	53.7	52.8	53.9	54.7
47.5°	35.5	38.6	41.7	44.5	47.5	50.2	52.6	52.1	51.5	52.6	53.7
50°	33.2	36.2	39.3	42.3	45.4	48.2	50.8	50.4	49.9	51.3	52.3
52.5°	30.8	33.8	37.1	40.1	43.2	45.6	47.8	47.5	47.3	48.6	50.2
55°	28.4	31.2	34.2	37.1	39.9	42.5	44.9	44.5	44.1	45.1	46.2
57.5°	25.7	28.6	31.2	34.0	36.6	38.8	40.8	40.1	39.5	40.8	42.1
60°	22.9	25.5	28.1	30.5	33.2	34.9	36.4	36.0	35.3	36.6	37.9
62.5°	20.3	22.7	25.1	27.3	29.7	31.0	32.3	31.8	31.4	32.7	34.2
65°	18.3	20.3	22.0	24.0	25.7	27.0	28.4	27.7	27.0	28.6	29.9
67.5°	16.4	17.9	19.6	21.2	22.7	23.8	24.9	24.4	23.8	24.9	26.0
70°	14.0	15.5	17.0	18.3	19.8	20.9	22.0	21.4	20.5	21.6	22.7
72.5°	11.8	13.1	14.4	15.5	16.8	17.7	18.5	17.9	17.2	18.1	19.0
75°	10.3	11.3	12.4	13.3	14.4	14.8	15.3	15.0	14.6	15.5	16.1
77.5°	8.3	9.2	10.3	11.1	12.0	12.0	12.0	12.2	12.2	13.1	14.2
80°	4.4	5.2	6.1	6.8	7.6	7.6	7.4	7.9	8.1	9.2	10.3
82.5°	0.0	0.7	1.3	2.0	2.6	2.4	2.0	2.2	2.2	2.6	3.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4
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: P366875  
 CATALOG NUMBER: MSA-SA1C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366875  
 CATALOG NUMBER: MSA-SA1C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1
2.5°	491.8	489.2	487.4	485.9	484.2	482.4	484.6	486.8	488.7	490.9	497.5
5°	489.0	489.0	487.4	485.9	484.4	482.9	486.1	489.2	492.5	495.5	495.3
7.5°	389.3	388.4	397.6	406.5	415.7	424.6	427.0	429.4	431.6	434.0	433.4
10°	338.3	350.3	354.2	358.1	362.0	366.0	370.8	375.6	380.4	385.2	386.9
12.5°	296.2	303.6	316.2	328.7	341.3	353.7	360.1	366.6	372.9	379.3	391.7
15°	244.0	251.5	262.4	273.3	284.2	295.1	305.1	315.4	325.4	335.4	350.5
17.5°	171.6	178.0	186.3	194.5	202.6	210.9	226.4	241.9	257.4	272.8	288.8
20°	117.8	119.1	123.0	127.1	131.1	135.0	149.0	163.1	177.1	191.1	212.0
22.5°	96.0	96.6	98.6	100.5	102.3	104.2	111.4	118.9	126.1	133.3	150.3
25°	85.1	85.1	86.4	87.7	89.0	90.3	94.2	98.1	101.8	105.8	116.7
27.5°	75.5	74.4	76.3	78.3	80.3	82.2	85.1	88.1	90.9	93.8	101.2
30°	72.2	71.1	73.5	75.9	78.3	80.7	83.5	86.4	89.0	91.8	96.8
32.5°	76.6	76.8	77.6	78.5	79.2	80.0	81.3	82.9	84.2	85.5	89.9
35°	60.8	60.8	62.4	63.9	65.2	66.7	69.1	71.5	73.9	76.3	80.9
37.5°	59.1	59.5	60.8	62.4	63.7	65.0	68.0	71.3	74.4	77.4	81.1
40°	57.4	57.8	59.5	61.3	63.0	64.8	67.8	70.7	73.7	76.6	80.0
42.5°	56.7	57.1	59.3	61.7	63.9	66.1	68.7	71.3	73.7	76.3	81.1
45°	55.8	56.7	59.3	62.2	64.8	67.4	69.8	72.2	74.6	77.0	82.9
47.5°	54.5	55.6	58.7	61.5	64.6	67.4	72.0	76.8	81.3	85.9	88.8
50°	53.7	54.7	58.0	61.3	64.6	67.8	75.2	82.7	89.9	97.3	95.7
52.5°	51.5	52.8	56.9	61.1	65.2	69.4	75.9	82.4	89.0	95.5	92.5
55°	47.3	48.4	53.2	58.0	62.6	67.4	72.2	77.0	81.6	86.4	82.9
57.5°	43.2	44.5	49.1	53.7	58.0	62.6	65.0	67.4	69.8	72.2	70.9
60°	39.3	40.6	46.7	52.8	58.9	65.0	62.8	60.6	58.2	56.1	57.6
62.5°	35.5	36.9	42.7	48.4	54.3	60.0	56.9	53.9	50.8	47.8	50.2
65°	31.4	32.7	34.9	37.3	39.5	41.7	41.4	41.0	40.8	40.3	43.0
67.5°	27.0	28.1	29.2	30.5	31.6	32.7	33.4	34.2	34.9	35.5	37.7
70°	23.6	24.6	26.0	27.0	28.4	29.4	29.9	30.3	30.5	31.0	32.9
72.5°	19.6	20.5	22.2	24.0	25.5	27.3	27.5	27.5	27.7	27.7	29.2
75°	17.0	17.7	19.0	20.3	21.4	22.7	23.3	24.0	24.4	25.1	26.0
77.5°	15.0	15.9	16.4	16.6	17.0	17.2	17.7	18.1	18.5	19.0	19.2
80°	11.1	12.2	12.6	12.9	13.3	13.5	13.5	13.3	13.3	13.1	13.3
82.5°	3.5	3.9	4.6	5.2	5.9	6.5	6.8	7.0	7.0	7.2	7.0
85°	0.7	0.9	1.3	1.7	2.0	2.4	2.2	1.7	1.5	1.1	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: P366875  
 CATALOG NUMBER: MSA-SA1C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366875  
 CATALOG NUMBER: MSA-SA1C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1
2.5°	504.0	510.3	516.9	514.3	511.6	509.0	506.4	506.9	507.5	507.9	508.4
5°	495.1	494.6	494.4	501.8	509.5	516.9	524.3	532.4	540.7	548.7	556.8
7.5°	432.7	431.8	431.2	440.8	450.4	460.0	469.6	480.7	492.0	503.1	514.3
10°	388.6	390.4	392.1	396.1	400.2	404.1	408.1	418.7	429.4	439.9	450.6
12.5°	404.1	416.3	428.8	431.2	433.4	435.8	437.9	439.5	441.0	442.5	444.0
15°	365.7	380.8	395.8	402.2	408.3	414.6	420.7	436.8	452.8	468.9	484.8
17.5°	304.7	320.4	336.3	355.3	374.2	393.2	412.2	429.6	447.1	464.5	482.0
20°	233.1	254.1	275.0	299.0	323.2	347.2	371.2	388.6	405.9	423.3	440.6
22.5°	167.5	184.5	201.5	230.5	259.3	288.3	317.1	347.4	378.0	408.3	438.6
25°	127.6	138.3	149.2	177.7	206.3	234.7	263.2	304.9	346.6	388.2	429.9
27.5°	108.4	115.8	123.0	148.7	174.5	200.0	225.7	275.2	324.7	374.2	423.8
30°	102.1	107.1	112.1	133.9	155.9	177.7	199.6	249.7	299.9	350.0	400.2
32.5°	94.2	98.4	102.7	121.9	141.1	160.1	179.3	228.3	277.4	326.3	375.3
35°	85.3	89.9	94.2	113.4	132.6	151.6	170.8	221.6	272.4	323.2	374.0
37.5°	84.6	88.3	91.8	114.1	136.5	158.8	181.0	231.8	282.6	333.2	384.1
40°	83.7	87.2	90.7	113.4	135.9	158.6	181.0	234.2	287.4	340.7	393.9
42.5°	85.9	90.5	95.3	115.4	135.4	155.3	175.3	231.4	287.4	343.3	399.3
45°	89.0	94.9	100.8	119.1	137.4	155.7	174.0	234.9	295.7	356.4	417.2
47.5°	91.8	94.7	97.5	114.9	132.2	149.6	166.8	229.0	291.2	353.3	415.5
50°	94.4	92.9	91.4	110.6	129.8	148.7	167.9	227.3	286.4	345.7	404.8
52.5°	89.2	86.1	82.9	103.4	123.9	144.2	164.7	224.4	284.2	343.9	403.7
55°	79.4	75.9	72.4	92.7	112.8	133.0	153.1	212.6	272.2	331.7	391.3
57.5°	69.4	68.0	66.5	82.0	97.5	112.8	128.2	194.3	260.6	326.7	392.8
60°	59.1	60.4	61.9	73.1	84.2	95.1	106.2	171.0	235.5	300.3	364.9
62.5°	52.3	54.7	56.9	66.3	75.9	85.3	94.7	155.7	216.8	277.9	338.9
65°	45.8	48.4	51.0	62.2	73.5	84.6	95.7	147.4	199.1	250.8	302.5
67.5°	39.9	41.9	44.1	58.7	73.3	87.9	102.5	144.8	186.9	229.2	271.3
70°	34.9	36.6	38.6	55.6	72.6	89.6	106.6	142.6	178.8	214.8	250.8
72.5°	30.8	32.3	33.8	51.0	68.3	85.5	102.7	134.8	166.6	198.7	230.5
75°	26.8	27.5	28.4	43.0	57.4	72.0	86.4	107.7	129.3	150.7	172.1
77.5°	19.4	19.4	19.6	24.0	28.1	32.5	36.6	49.9	63.2	76.3	89.6
80°	13.3	13.5	13.5	15.3	16.8	18.5	20.1	22.9	25.5	28.4	31.0
82.5°	6.8	6.3	6.1	7.9	9.6	11.3	13.1	13.7	14.2	14.8	15.3
85°	0.7	0.2	0.0	1.1	2.2	3.3	4.4	5.2	6.1	7.0	7.9
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: P366875  
 CATALOG NUMBER: MSA-SA1C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P366875

CATALOG NUMBER: MSA-SA1C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1
2.5°	506.6	504.9	503.1	501.4	512.1	523.0	533.7	544.4	574.7	594.5	592.3
5°	564.6	572.5	580.3	588.2	600.8	613.7	626.4	639.0	683.9	711.4	715.3
7.5°	526.5	538.5	550.7	562.7	587.1	611.3	635.7	660.0	696.8	725.4	741.5
10°	464.3	478.1	491.6	505.3	532.8	560.5	588.0	615.5	656.9	696.4	716.7
12.5°	465.6	487.2	508.8	530.4	554.4	578.4	602.2	626.1	651.4	664.8	693.3
15°	501.8	518.8	535.9	552.9	584.3	615.7	646.9	678.3	693.3	725.4	758.7
17.5°	515.1	548.5	581.7	614.8	654.1	693.1	732.4	771.4	799.8	844.2	878.7
20°	490.5	540.4	590.2	640.1	694.0	747.8	801.7	855.6	886.6	928.9	982.1
22.5°	491.6	544.6	597.4	650.4	724.7	798.9	873.2	947.4	1030.5	1112.1	1138.0
25°	499.2	568.6	637.7	707.1	793.0	878.9	964.8	1050.8	1151.1	1236.8	1271.3
27.5°	501.8	579.9	657.8	735.8	858.0	980.1	1102.2	1224.4	1344.1	1440.9	1477.8
30°	495.5	591.0	686.3	781.6	931.5	1081.3	1231.1	1381.0	1494.6	1607.4	1653.2
32.5°	497.0	618.7	740.4	862.1	1038.6	1215.2	1391.7	1568.1	1640.7	1742.4	1823.0
35°	507.5	641.0	774.2	907.7	1102.9	1298.1	1493.3	1688.5	1807.6	1914.9	1983.3
37.5°	531.9	679.8	827.4	975.3	1215.2	1455.3	1695.2	1935.1	2119.4	2303.7	2335.1
40°	550.0	706.2	862.3	1018.5	1297.0	1575.5	1854.0	2132.5	2341.0	2541.0	2562.4
42.5°	570.5	741.5	912.7	1083.7	1395.1	1706.6	2018.0	2329.5	2570.9	2774.8	2789.0
45°	593.0	769.0	944.8	1120.6	1446.8	1772.9	2099.2	2425.2	2707.2	2944.1	2890.6
47.5°	603.7	791.9	980.1	1168.3	1518.2	1867.8	2217.6	2567.2	2820.2	3029.1	2966.7
50°	612.0	818.9	1026.1	1233.1	1599.9	1966.8	2333.6	2700.4	2954.1	3146.9	3049.2
52.5°	635.3	866.7	1098.3	1329.7	1719.9	2109.8	2500.0	2890.0	3135.3	3312.4	3175.5
55°	658.0	924.5	1191.2	1457.7	1877.4	2297.2	2716.8	3136.4	3380.7	3532.5	3346.4
57.5°	686.6	980.6	1274.3	1568.1	2016.9	2465.8	2914.4	3363.2	3602.0	3769.8	3576.5
60°	679.1	993.2	1307.5	1621.5	2078.7	2535.8	2992.9	3450.0	3733.8	3939.9	3808.8
62.5°	650.4	961.8	1273.0	1584.5	2033.5	2482.3	2931.4	3380.2	3720.2	3999.4	3955.4
65°	592.1	881.5	1171.2	1460.6	1889.3	2318.3	2747.1	3175.9	3595.5	3950.8	3966.5
67.5°	515.6	759.8	1003.9	1248.2	1648.1	2048.1	2447.9	2847.9	3343.2	3757.5	3804.2
70°	434.4	617.9	801.5	984.9	1336.9	1688.9	2040.7	2392.7	2907.6	3324.6	3412.7
72.5°	348.3	466.3	584.1	701.8	955.9	1209.8	1463.8	1717.7	2170.7	2494.3	2648.1
75°	225.7	279.4	333.0	386.7	555.9	724.9	894.2	1063.2	1364.0	1602.3	1776.2
77.5°	100.5	111.4	122.1	133.0	263.7	394.3	525.0	655.6	786.2	930.2	971.0
80°	36.0	40.8	45.8	50.6	114.7	179.1	243.2	307.3	370.5	444.9	463.0
82.5°	15.0	15.0	14.8	14.6	37.5	60.4	83.3	106.2	122.8	141.1	144.6
85°	6.1	4.6	2.8	1.1	4.8	8.7	12.4	16.1	26.0	23.6	43.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366875  
 CATALOG NUMBER: MSA-SA1C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366875

CATALOG NUMBER: MSA-SA1C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1
2.5°	584.1	583.6	583.2	582.7	582.3	574.5	566.8	559.0	551.3	560.9	570.5
5°	709.0	720.4	731.7	743.3	754.6	757.9	761.1	764.4	767.7	774.7	781.6
7.5°	755.0	774.2	793.2	812.4	831.4	849.0	866.5	884.2	901.8	897.5	893.1
10°	739.1	773.8	808.5	843.4	878.0	885.7	893.3	901.2	908.8	928.6	948.5
12.5°	721.9	763.5	805.2	846.9	888.5	911.6	934.5	957.7	980.8	1000.8	1020.9
15°	803.7	830.3	856.9	883.7	910.3	930.6	950.7	971.0	991.0	1005.0	1018.7
17.5°	911.2	924.3	937.4	950.7	963.8	979.7	995.6	1011.5	1027.4	1035.7	1044.0
20°	1024.8	1030.5	1036.2	1041.8	1047.5	1034.9	1022.2	1009.6	996.9	1004.8	1012.4
22.5°	1138.9	1140.9	1143.0	1145.0	1147.0	1117.5	1088.1	1058.6	1029.2	1016.8	1004.3
25°	1314.5	1300.1	1285.7	1271.3	1256.9	1222.0	1187.1	1152.2	1117.3	1086.5	1055.8
27.5°	1504.6	1455.8	1407.1	1358.3	1309.7	1274.8	1239.9	1205.0	1170.1	1123.8	1077.6
30°	1696.3	1617.6	1539.1	1460.4	1381.8	1340.4	1299.0	1257.3	1215.9	1169.6	1123.6
32.5°	1872.1	1777.5	1682.8	1587.9	1493.3	1423.5	1353.7	1283.9	1214.1	1181.9	1149.6
35°	2017.8	1905.9	1794.0	1681.9	1570.1	1500.9	1431.8	1362.7	1293.5	1245.5	1197.8
37.5°	2266.9	2141.0	2015.2	1889.3	1763.5	1669.1	1574.9	1480.4	1386.0	1353.9	1321.9
40°	2496.5	2338.0	2179.4	2020.9	1862.3	1783.1	1704.2	1625.0	1546.1	1493.5	1441.2
42.5°	2679.1	2512.0	2345.2	2178.1	2011.0	1932.7	1854.7	1776.4	1698.1	1663.0	1628.1
45°	2718.5	2561.1	2403.8	2246.4	2088.9	2043.3	1998.0	1952.4	1907.0	1882.8	1858.8
47.5°	2796.4	2625.6	2455.1	2284.3	2113.5	2093.0	2072.5	2051.8	2031.3	2042.9	2054.4
50°	2840.0	2665.8	2491.5	2317.2	2143.0	2148.9	2154.6	2160.4	2166.3	2248.3	2330.1
52.5°	2924.6	2748.6	2572.6	2396.6	2220.6	2257.7	2294.6	2331.6	2368.5	2481.5	2594.2
55°	3075.8	2902.8	2729.9	2556.7	2383.8	2432.6	2481.5	2530.5	2579.4	2699.4	2819.1
57.5°	3299.8	3128.1	2956.7	2785.1	2613.6	2662.3	2710.9	2759.5	2808.2	2916.6	3024.7
60°	3581.8	3405.5	3229.5	3053.3	2877.3	2895.6	2913.7	2932.1	2950.4	3066.8	3183.1
62.5°	3801.4	3639.3	3477.5	3315.5	3153.6	3133.4	3113.3	3093.0	3072.9	3161.5	3249.8
65°	3852.4	3738.4	3624.5	3510.4	3396.4	3334.0	3271.8	3209.5	3147.1	3182.9	3218.6
67.5°	3706.3	3629.3	3552.5	3475.5	3398.6	3268.4	3138.2	3007.7	2877.5	2858.6	2839.6
70°	3367.2	3325.1	3283.2	3241.1	3199.2	2998.6	2798.1	2597.5	2397.1	2348.9	2300.7
72.5°	2657.0	2683.2	2709.4	2735.8	2761.9	2547.1	2332.5	2117.7	1902.9	1841.8	1781.0
75°	1873.6	1962.4	2051.2	2139.9	2228.7	2032.9	1837.2	1641.4	1445.5	1386.9	1328.4
77.5°	1015.9	1182.3	1348.7	1515.1	1681.5	1519.9	1358.5	1196.9	1035.3	994.5	953.9
80°	481.6	577.5	673.3	769.2	865.2	828.8	792.3	755.7	719.3	728.2	737.2
82.5°	147.6	217.0	286.4	355.7	425.1	430.5	435.8	441.2	446.7	460.2	473.5
85°	49.5	67.8	86.1	104.5	122.8	155.1	187.3	219.8	252.1	231.2	210.5
87.5°	0.0	0.7	1.1	1.7	2.2	6.8	11.3	15.9	20.5	17.7	15.0
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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**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: P366875

CATALOG NUMBER: MSA-SA1C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1
2.5°	580.3	589.9	590.2	590.6	590.8	591.0	592.1	593.2	594.5	595.6	588.4
5°	788.8	795.8	783.0	770.1	757.0	744.1	755.7	767.3	778.8	790.4	785.4
7.5°	888.5	884.2	882.6	881.3	879.8	878.5	882.8	887.2	891.6	895.9	895.5
10°	968.3	988.2	993.0	997.8	1002.8	1007.6	997.6	987.5	977.5	967.5	963.3
12.5°	1041.0	1061.0	1076.9	1092.9	1109.0	1124.9	1110.5	1096.4	1082.0	1067.8	1054.3
15°	1032.7	1046.4	1059.5	1072.6	1085.7	1098.8	1094.0	1089.4	1084.6	1079.8	1077.6
17.5°	1052.5	1060.8	1057.8	1054.7	1051.4	1048.4	1046.9	1045.5	1044.0	1042.5	1037.3
20°	1020.2	1028.1	1026.1	1024.4	1022.4	1020.5	1019.2	1017.8	1016.5	1015.2	1011.1
22.5°	991.9	979.5	976.2	973.1	969.9	966.8	967.2	967.7	967.9	968.3	987.1
25°	1025.0	994.3	982.3	970.3	958.1	946.1	951.5	956.8	962.2	967.7	994.7
27.5°	1031.1	984.9	965.7	946.5	927.3	908.1	927.8	947.4	967.0	986.7	1030.5
30°	1077.4	1031.4	1004.5	977.9	951.1	924.5	949.6	974.7	999.7	1024.8	1072.4
32.5°	1117.1	1084.8	1065.6	1046.4	1027.2	1008.0	1009.1	1010.0	1011.1	1012.2	1079.1
35°	1149.8	1102.0	1084.6	1067.4	1049.9	1032.7	1058.6	1084.6	1110.5	1136.5	1196.7
37.5°	1289.8	1257.7	1225.7	1193.8	1161.8	1129.9	1150.7	1171.4	1192.3	1213.0	1279.6
40°	1388.6	1336.3	1328.0	1319.9	1311.6	1303.5	1314.2	1324.7	1335.4	1346.1	1404.3
42.5°	1593.0	1557.8	1535.4	1513.1	1490.7	1468.4	1476.9	1485.4	1494.2	1502.7	1557.8
45°	1834.6	1810.4	1795.6	1780.7	1765.7	1750.9	1738.0	1725.3	1712.5	1699.8	1755.9
47.5°	2066.0	2077.6	2110.3	2142.8	2175.5	2208.0	2181.4	2154.8	2127.9	2101.3	2101.6
50°	2412.1	2493.9	2510.5	2526.8	2543.4	2559.8	2503.1	2446.4	2389.4	2332.7	2326.0
52.5°	2707.2	2820.0	2825.8	2831.7	2837.8	2843.7	2820.8	2797.9	2774.8	2751.9	2691.1
55°	2939.0	3058.8	3066.8	3074.7	3082.8	3090.6	3070.5	3050.7	3030.6	3010.6	2949.1
57.5°	3133.1	3241.3	3246.1	3250.7	3255.5	3260.3	3261.8	3263.3	3265.1	3266.6	3183.5
60°	3299.5	3416.0	3406.4	3397.0	3387.4	3378.1	3363.7	3349.3	3334.9	3320.5	3266.8
62.5°	3338.4	3426.9	3412.1	3397.5	3382.6	3368.0	3355.8	3343.8	3331.6	3319.4	3285.2
65°	3254.4	3290.2	3274.9	3259.6	3244.1	3228.9	3221.0	3213.4	3205.5	3197.7	3193.3
67.5°	2820.4	2801.4	2819.5	2837.6	2855.7	2873.8	2898.5	2923.1	2948.0	2972.6	2958.2
70°	2252.3	2204.1	2224.1	2244.0	2264.0	2283.9	2321.2	2358.5	2396.0	2433.3	2423.2
72.5°	1719.9	1658.8	1661.7	1664.5	1667.5	1670.4	1669.3	1668.4	1667.3	1666.2	1683.7
75°	1269.7	1211.1	1183.4	1155.7	1128.0	1100.3	1093.5	1086.8	1080.0	1073.2	1105.7
77.5°	913.2	872.6	853.6	834.9	815.9	797.1	806.7	816.3	826.1	835.7	847.1
80°	746.3	755.3	740.6	726.3	711.6	697.0	707.9	718.6	729.5	740.4	706.6
82.5°	487.0	500.3	455.4	410.5	365.5	320.6	347.9	375.1	402.6	429.9	415.9
85°	189.5	168.8	143.9	119.3	94.4	69.6	90.5	111.4	132.4	153.3	167.3
87.5°	12.2	9.6	7.6	5.7	3.5	1.5	3.3	5.0	7.0	8.7	14.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366875  
 CATALOG NUMBER: MSA-SA1C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366875

CATALOG NUMBER: MSA-SA1C-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1
2.5°	581.4	574.2	567.3	553.5	539.8	526.0	512.3	531.5	550.7	569.9	589.1
5°	780.6	775.5	770.7	772.1	773.4	774.9	776.2	779.0	781.9	784.5	787.3
7.5°	895.3	894.8	894.4	884.4	874.3	864.1	854.1	859.1	864.1	869.1	874.1
10°	959.4	955.3	951.1	929.1	907.1	884.8	862.8	853.2	843.4	833.8	824.2
12.5°	1040.7	1027.0	1013.5	989.9	966.6	943.0	919.5	910.8	901.8	893.1	884.2
15°	1075.6	1073.5	1071.5	1054.7	1037.7	1020.9	1003.9	974.0	943.9	914.0	884.2
17.5°	1032.0	1026.6	1021.3	1047.9	1074.3	1100.9	1127.5	1096.6	1065.6	1034.6	1003.7
20°	1006.9	1002.8	998.7	1048.2	1097.4	1147.0	1196.2	1182.5	1168.5	1154.8	1141.1
22.5°	1005.8	1024.8	1043.6	1087.0	1130.2	1173.6	1216.7	1240.5	1264.5	1288.3	1312.1
25°	1021.8	1049.0	1076.1	1148.0	1220.0	1292.2	1364.2	1391.4	1418.5	1445.7	1472.8
27.5°	1074.1	1118.0	1161.6	1224.4	1287.2	1350.2	1413.0	1472.6	1532.3	1591.9	1651.4
30°	1119.7	1167.2	1214.8	1289.6	1364.2	1439.0	1513.6	1588.2	1662.7	1737.3	1811.9
32.5°	1146.1	1213.3	1280.2	1371.2	1461.9	1552.8	1643.8	1725.6	1807.3	1888.9	1970.7
35°	1256.9	1317.3	1377.5	1478.0	1578.6	1679.3	1779.9	1881.1	1982.3	2083.2	2184.4
37.5°	1346.1	1412.8	1479.3	1589.3	1699.0	1808.9	1918.8	2058.6	2198.6	2338.4	2478.2
40°	1462.5	1520.8	1579.0	1681.9	1784.7	1887.6	1990.5	2167.9	2345.2	2522.3	2699.6
42.5°	1612.8	1668.0	1723.2	1833.3	1943.4	2053.6	2163.7	2360.0	2556.3	2752.3	2948.6
45°	1811.9	1868.2	1924.2	2011.9	2099.6	2187.3	2274.9	2483.7	2692.2	2900.9	3109.4
47.5°	2101.8	2102.0	2102.2	2165.5	2228.7	2292.2	2355.4	2565.7	2775.7	2985.9	3196.0
50°	2319.2	2312.2	2305.5	2338.2	2370.7	2403.4	2436.1	2629.6	2823.2	3016.7	3210.1
52.5°	2630.4	2569.6	2509.0	2528.4	2547.6	2567.0	2586.2	2749.9	2914.0	3077.7	3241.5
55°	2887.8	2826.3	2764.8	2757.6	2750.4	2743.2	2736.0	2886.7	3037.4	3188.1	3338.8
57.5°	3100.6	3017.5	2934.7	2918.1	2901.7	2885.2	2868.6	3027.6	3186.4	3345.3	3504.1
60°	3213.4	3159.7	3106.1	3095.4	3084.5	3073.8	3062.9	3193.3	3323.8	3454.2	3584.6
62.5°	3251.1	3216.9	3182.9	3202.9	3223.0	3243.3	3263.3	3320.7	3377.8	3435.2	3492.3
65°	3189.2	3184.8	3180.5	3221.7	3262.7	3303.9	3345.1	3331.0	3316.6	3302.4	3288.2
67.5°	2944.1	2929.7	2915.5	3006.0	3096.3	3186.8	3277.3	3208.6	3139.7	3071.0	3002.3
70°	2413.2	2403.0	2392.9	2523.3	2653.8	2784.4	2914.8	2831.5	2748.2	2664.9	2581.6
72.5°	1700.9	1718.4	1735.8	1889.6	2043.1	2196.9	2350.4	2266.4	2182.5	2098.5	2014.5
75°	1138.0	1170.5	1203.0	1361.3	1519.7	1678.2	1836.6	1738.0	1639.4	1540.8	1442.3
77.5°	858.4	869.8	881.1	981.2	1081.3	1181.6	1281.7	1200.4	1118.8	1037.5	955.9
80°	672.8	638.8	605.0	637.9	670.9	703.8	736.7	688.1	639.5	591.0	542.4
82.5°	401.9	388.0	374.0	391.9	409.6	427.5	445.3	424.4	403.3	382.3	361.2
85°	181.0	195.0	208.7	226.8	244.7	262.8	280.9	251.7	222.5	193.2	164.0
87.5°	20.3	26.2	32.1	39.7	47.3	55.0	62.6	48.9	34.9	21.2	7.4
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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**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°	461.1	461.1
2.5°	600.2	611.3
5°	787.1	786.7
7.5°	861.0	847.7
10°	812.0	799.8
12.5°	853.0	821.8
15°	860.6	837.0
17.5°	965.3	926.7
20°	1091.6	1041.8
22.5°	1244.0	1175.7
25°	1391.7	1310.5
27.5°	1602.8	1553.9
30°	1762.6	1713.1
32.5°	1937.1	1903.5
35°	2151.1	2117.5
37.5°	2486.9	2495.4
40°	2704.8	2710.0
42.5°	2968.9	2989.2
45°	3132.0	3154.7
47.5°	3227.6	3259.2
50°	3261.2	3312.2
52.5°	3304.6	3367.4
55°	3408.8	3478.8
57.5°	3559.9	3615.8
60°	3587.2	3589.8
62.5°	3452.0	3411.6
65°	3245.2	3202.3
67.5°	2976.3	2950.2
70°	2547.1	2512.7
72.5°	1950.4	1886.3
75°	1362.9	1283.5
77.5°	914.3	872.6
80°	543.7	544.8
82.5°	371.2	381.0
85°	162.0	159.9
87.5°	5.2	2.8
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



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**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)