

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: P367931

Luminaire Tested: **MSA-SA3C-727-U-SLR-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367931
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-SA3C-727-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: 11106 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

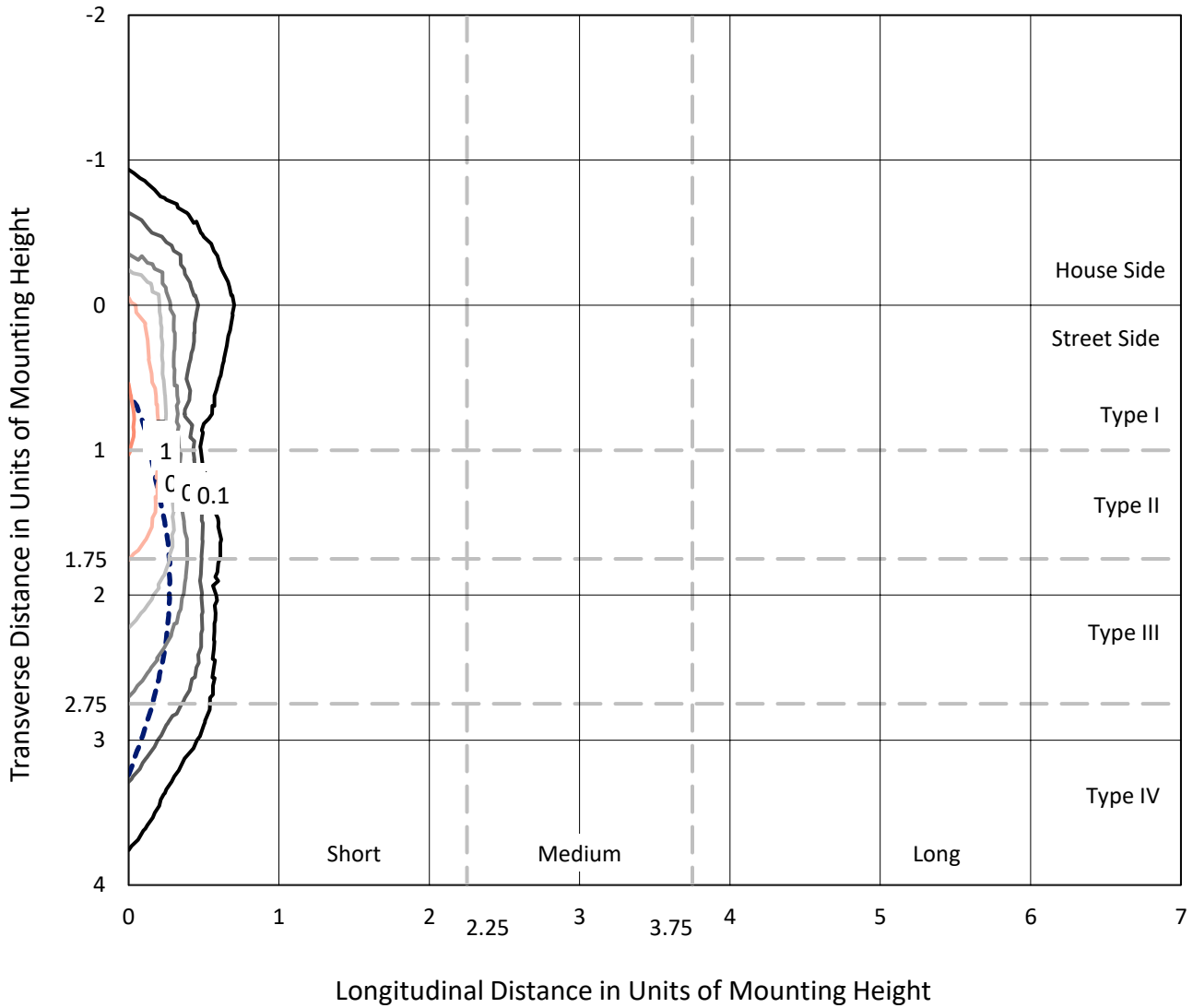
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

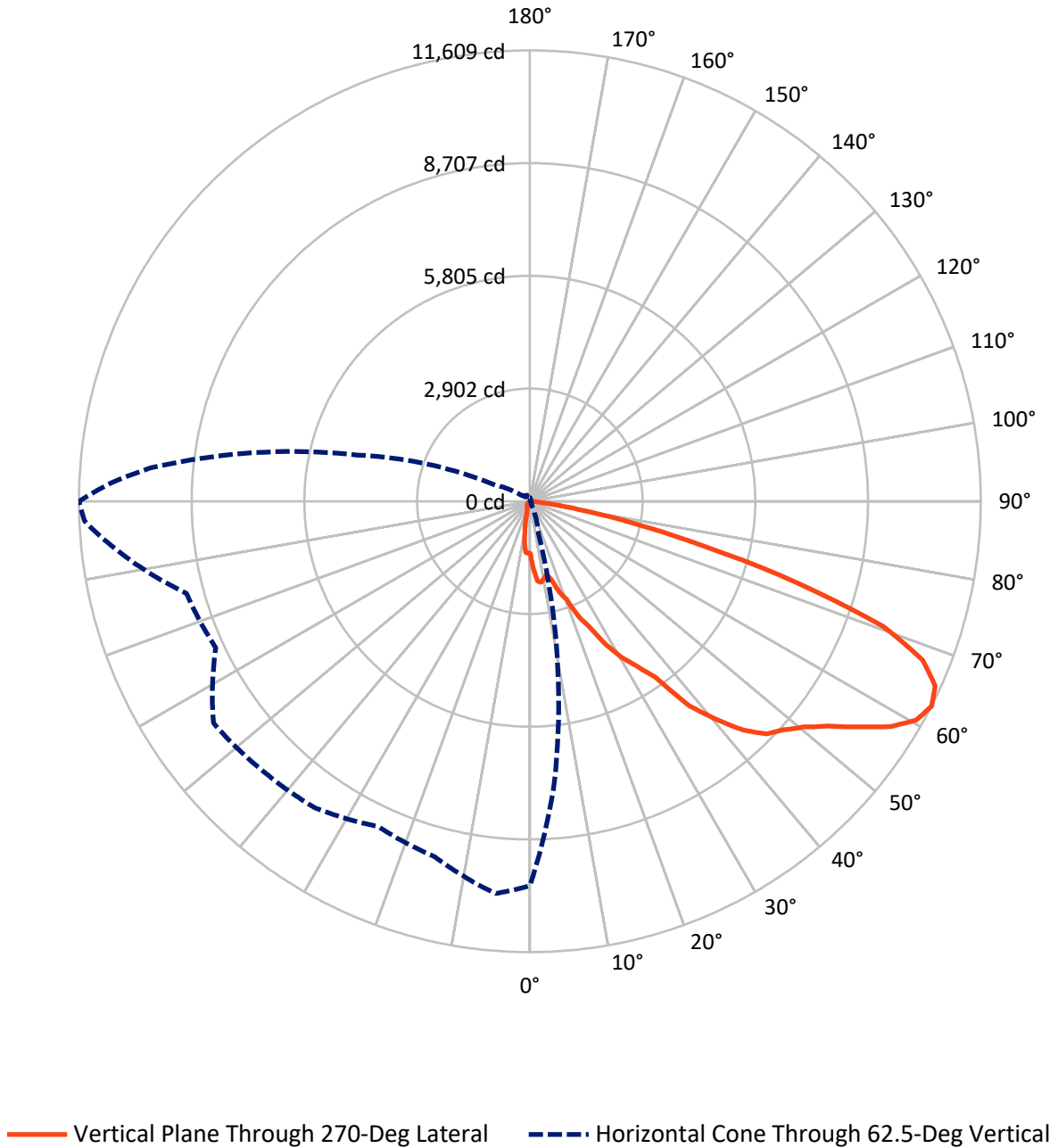
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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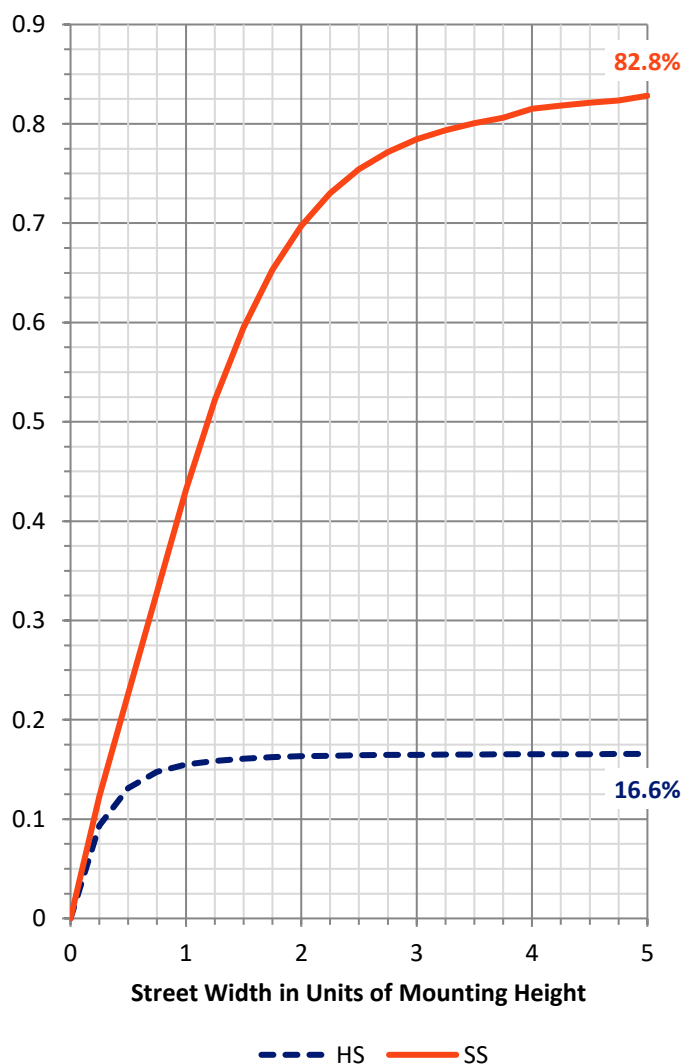
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1854.6	0.0	1854.6
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	9251.4	0.0	9251.4
	% Fixture	83.3	0.0	83.3
Total	Lumens	11106.0	0.0	11106.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.5	1.3
10°-20°	390.6	3.5
20°-30°	631.3	5.7
30°-40°	1057.4	9.5
40°-50°	1728.6	15.6
50°-60°	2558.9	23.0
60°-70°	2937.7	26.5
70°-80°	1452.5	13.1
80°-90°	199.5	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°	11106.0	100.0
0°-180°	11106.0	100.0

Coefficient of Utilization



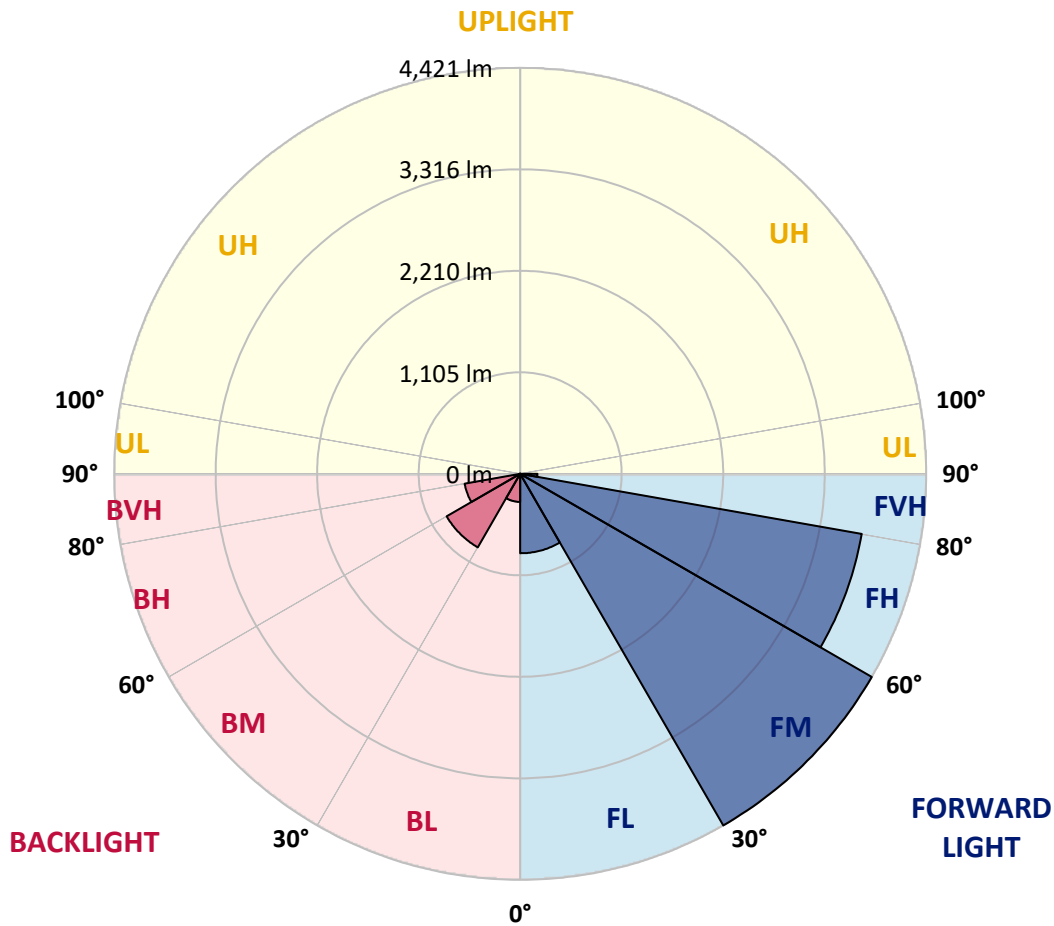
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	865.2	7.8			
FM (30°-60°)	4420.8	39.8			
FH (60°-80°)	3776.6	34.0			G2/5000
FVH (80°-90°)	188.9	1.7			G2/225
BL (0°-30°)	306.2	2.8	B1/500		
BM (30°-60°)	924.1	8.3	B1/1000		
BH (60°-80°)	613.6	5.5	B2/1000		G2/1000
BVH (80°-90°)	10.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3
2.5°	1774.5	1796.7	1818.2	1777.0	1735.9	1694.7	1653.6	1616.9	1580.2	1542.8	1506.1
5°	2283.5	2243.0	2202.5	2146.8	2091.1	2035.3	1979.6	1953.7	1927.7	1901.8	1875.8
7.5°	2460.8	2388.6	2315.8	2266.4	2217.7	2168.3	2118.9	2041.0	1962.5	1884.7	1806.2
10°	2321.5	2244.9	2167.7	2124.6	2081.6	2038.5	1995.5	1898.6	1801.1	1704.2	1606.7
12.5°	2385.4	2302.5	2219.6	2130.9	2042.3	1953.7	1865.0	1791.0	1716.3	1642.2	1567.5
15°	2429.8	2334.8	2239.2	2137.9	2036.6	1935.3	1834.0	1746.7	1659.9	1572.6	1485.2
17.5°	2689.9	2553.8	2417.7	2262.0	2106.2	1950.5	1794.8	1693.5	1592.8	1491.5	1390.2
20°	3024.2	2831.1	2637.4	2426.6	2215.8	2005.0	1794.1	1668.2	1542.2	1416.2	1290.2
22.5°	3412.9	3171.7	2929.9	2669.7	2410.1	2149.9	1889.7	1708.7	1527.6	1346.6	1165.5
25°	3804.2	3586.4	3368.6	3018.5	2668.4	2317.7	1967.6	1737.8	1507.4	1277.5	1047.1
27.5°	4510.7	4121.3	3732.0	3286.3	2841.3	2395.6	1949.9	1686.5	1423.2	1159.2	895.8
30°	4972.8	4673.4	4373.3	3784.5	3196.4	2607.6	2018.9	1685.3	1351.6	1017.4	683.7
32.5°	5525.5	5087.4	4648.7	4009.9	3371.1	2732.4	2093.6	1701.7	1309.2	917.3	524.8
35°	6146.5	5669.8	5193.1	4384.1	3575.0	2765.3	1956.2	1576.4	1196.5	816.7	436.8
37.5°	7243.7	6446.0	5648.3	4705.0	3761.1	2817.8	1873.9	1494.7	1114.8	735.6	355.8
40°	7866.6	7105.0	6343.4	5164.6	3985.9	2807.1	1628.3	1291.5	955.3	618.5	281.7
42.5°	8677.0	7710.9	6744.2	5426.7	4109.3	2791.9	1474.4	1163.0	851.5	539.4	227.9
45°	9157.5	8062.9	6968.3	5540.7	4113.1	2685.5	1257.9	988.2	718.5	448.9	179.2
47.5°	9460.7	8362.9	7265.2	5732.5	4200.5	2667.8	1135.1	886.9	638.8	390.6	142.4
50°	9614.5	8513.6	7412.1	5837.0	4261.9	2686.1	1111.1	864.2	616.6	369.7	122.2
52.5°	9774.7	8713.0	7650.7	6018.0	4385.3	2752.6	1119.9	867.9	616.6	364.7	112.7
55°	10098.2	9051.1	8003.4	6277.6	4551.8	2826.1	1100.3	852.1	604.0	355.2	107.0
57.5°	10495.8	9376.5	8256.6	6467.5	4678.4	2889.4	1100.3	850.9	601.4	351.4	101.9
60°	10420.4	9205.6	7990.1	6254.2	4518.3	2781.7	1045.8	808.4	571.7	334.3	96.9
62.5°	9903.2	8584.5	7265.2	5661.0	4056.1	2451.9	847.1	657.8	468.5	278.6	89.3
65°	9295.5	7895.7	6495.4	5019.0	3542.1	2065.7	588.8	462.1	334.9	208.3	81.0
67.5°	8563.6	7070.8	5578.0	4265.0	2952.7	1639.7	326.7	263.4	200.1	136.1	72.8
70°	7293.7	5752.8	4211.2	3202.1	2193.6	1184.5	175.4	148.1	120.9	93.7	66.5
72.5°	5475.5	4063.7	2652.0	2014.5	1377.6	740.1	102.6	92.4	81.7	71.5	60.8
75°	3725.7	2667.8	1609.9	1225.6	842.0	457.7	73.4	68.4	62.7	57.6	51.9
77.5°	2532.9	1832.1	1131.3	863.5	595.7	327.9	60.1	57.0	53.8	50.0	46.8
80°	1581.4	1082.6	583.7	449.5	314.6	180.4	45.6	43.7	41.8	39.3	37.4
82.5°	1106.0	661.6	217.1	169.7	122.2	74.1	26.6	27.2	27.9	27.9	28.5
85°	464.0	250.7	37.4	31.7	26.0	20.3	14.6	15.8	17.7	19.0	20.3
87.5°	8.2	4.4	0.0	1.3	3.2	4.4	5.7	7.6	8.9	10.8	12.0
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):

	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°	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3
2.5°	1515.6	1525.1	1533.9	1543.4	1535.8	1528.9	1521.3	1513.7	1502.3	1491.5	1480.1
5°	1844.2	1812.5	1780.8	1749.2	1701.1	1653.0	1604.2	1556.1	1550.4	1544.7	1538.4
7.5°	1732.1	1658.0	1583.3	1509.3	1439.6	1370.0	1300.3	1230.7	1209.2	1188.3	1166.8
10°	1549.8	1492.8	1435.2	1378.2	1328.2	1277.5	1227.5	1176.9	1124.3	1071.8	1018.6
12.5°	1508.0	1448.5	1388.3	1328.8	1283.2	1237.7	1192.1	1146.5	1087.6	1028.8	969.9
15°	1420.6	1356.1	1291.5	1226.9	1166.1	1105.4	1043.9	983.2	912.3	841.4	770.5
17.5°	1313.6	1237.7	1161.1	1084.5	1004.7	924.9	845.2	765.4	683.7	602.7	521.0
20°	1186.4	1082.6	978.1	874.3	775.5	676.8	577.4	478.6	427.3	376.7	325.4
22.5°	1031.3	896.4	762.2	627.4	546.3	464.7	383.6	302.0	279.8	257.7	235.5
25°	894.5	742.0	589.4	436.8	385.5	334.3	283.0	231.7	221.6	210.8	200.7
27.5°	752.1	609.0	465.3	321.6	292.5	262.7	233.6	203.9	196.9	190.6	183.6
30°	576.7	469.7	362.1	255.1	236.1	217.1	197.5	178.5	175.4	171.6	168.4
32.5°	447.0	368.5	290.6	212.1	201.3	190.6	179.8	169.0	164.0	158.9	153.2
35°	373.5	310.8	247.5	184.2	176.6	168.4	160.8	152.6	147.5	141.8	136.7
37.5°	309.6	264.0	217.8	171.6	163.3	155.1	146.2	138.0	134.2	130.4	126.6
40°	255.1	228.5	202.0	175.4	163.3	151.3	139.3	127.2	124.1	120.9	117.8
42.5°	210.8	193.7	176.0	158.9	150.0	141.8	132.9	124.1	119.7	114.6	110.2
45°	170.3	160.8	151.9	142.4	143.1	143.7	143.7	144.3	132.9	120.9	109.5
47.5°	138.0	133.6	128.5	124.1	129.1	134.2	138.6	143.7	131.7	119.7	107.0
50°	118.4	115.2	111.4	107.6	112.7	118.4	123.5	128.5	123.5	119.0	114.0
52.5°	108.3	103.8	99.4	95.0	96.9	99.4	101.3	103.2	103.2	103.2	103.2
55°	101.9	97.5	92.4	87.4	85.5	82.9	81.0	78.5	75.3	72.8	69.6
57.5°	96.9	91.8	86.1	81.0	77.9	74.1	70.9	67.1	63.9	60.1	57.0
60°	91.8	86.7	81.0	76.0	72.8	69.6	65.8	62.7	58.9	55.7	51.9
62.5°	84.8	80.4	76.0	71.5	68.4	65.8	62.7	59.5	55.7	51.9	47.5
65°	77.2	74.1	70.3	66.5	63.3	60.1	57.0	53.8	50.0	46.8	43.0
67.5°	70.3	67.1	64.6	61.4	57.6	54.4	50.6	46.8	44.3	41.8	38.6
70°	64.6	62.0	60.1	57.6	53.8	50.6	46.8	43.0	41.2	38.6	36.7
72.5°	58.9	57.0	54.4	52.5	49.4	46.2	43.0	39.9	38.0	36.1	34.2
75°	50.6	49.4	48.1	46.8	43.7	40.5	36.7	33.6	32.9	32.3	31.7
77.5°	45.6	44.9	43.7	42.4	39.3	36.1	32.9	29.8	30.4	31.0	31.0
80°	37.4	37.4	36.7	36.7	34.2	31.7	28.5	26.0	27.2	29.1	30.4
82.5°	28.5	28.5	28.5	28.5	26.0	23.4	20.9	18.4	20.3	21.5	23.4
85°	19.6	19.0	18.4	17.7	15.8	14.6	12.7	10.8	13.3	15.2	17.7
87.5°	12.0	12.7	12.7	12.7	11.4	9.5	8.2	6.3	7.6	8.2	9.5
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: P367931
 CATALOG NUMBER: MSA-SA3C-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: P367931
 CATALOG NUMBER: MSA-SA3C-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3
2.5°	1468.7	1449.7	1430.8	1411.1	1392.1	1347.8	1303.5	1259.2	1214.9	1247.8	1280.1
5°	1532.7	1496.0	1458.6	1421.9	1384.5	1368.1	1352.3	1335.8	1319.3	1321.9	1325.0
7.5°	1145.2	1121.2	1097.1	1072.4	1048.4	1043.3	1038.9	1033.8	1028.8	1039.5	1049.6
10°	966.1	932.5	898.3	864.8	830.6	812.2	793.9	775.5	757.2	755.3	752.7
12.5°	911.0	859.7	809.1	757.8	706.5	666.6	626.7	586.9	547.0	550.1	553.3
15°	699.6	648.3	597.6	546.3	495.1	462.8	429.9	397.6	364.7	355.2	345.7
17.5°	439.4	401.4	363.4	324.8	286.8	276.0	265.9	255.1	244.4	241.2	238.0
20°	274.1	257.7	241.2	224.1	207.6	205.1	202.6	200.1	197.5	199.4	201.3
22.5°	213.3	206.4	198.8	191.8	184.2	181.7	179.2	176.6	174.1	176.0	177.3
25°	189.9	184.9	179.8	174.7	169.7	167.1	164.0	161.4	158.3	159.5	161.4
27.5°	176.6	172.2	167.8	163.3	158.9	154.5	150.7	146.2	141.8	144.3	146.2
30°	164.6	159.5	155.1	150.0	145.0	140.5	136.1	131.0	126.6	129.1	131.7
32.5°	148.1	143.7	138.6	134.2	129.1	126.6	124.1	120.9	118.4	120.3	121.6
35°	131.0	127.2	124.1	120.3	116.5	114.0	112.1	109.5	107.0	107.6	108.9
37.5°	122.8	118.4	114.0	109.5	105.1	103.8	102.6	100.7	99.4	99.4	99.4
40°	114.6	110.2	105.7	100.7	96.2	94.3	92.4	90.5	88.6	88.6	88.6
42.5°	105.1	100.7	96.2	91.8	87.4	85.5	82.9	81.0	78.5	78.5	78.5
45°	97.5	93.1	89.3	84.8	80.4	77.2	74.1	70.3	67.1	66.5	65.8
47.5°	95.0	88.6	82.3	76.0	69.6	66.5	63.3	59.5	56.3	55.7	55.1
50°	108.9	96.2	83.6	70.9	58.2	55.7	53.2	50.6	48.1	46.8	46.2
52.5°	103.2	89.9	76.6	63.3	50.0	48.1	46.2	44.3	42.4	41.2	39.9
55°	66.5	60.8	55.7	50.0	44.3	43.0	41.8	39.9	38.6	37.4	36.1
57.5°	53.2	50.0	47.5	44.3	41.2	39.9	38.6	36.7	35.5	33.6	32.3
60°	48.1	45.6	43.0	40.5	38.0	36.7	35.5	34.2	32.9	31.0	29.8
62.5°	43.7	41.8	39.9	38.0	36.1	34.8	33.6	32.3	31.0	29.1	27.2
65°	39.3	38.0	36.7	35.5	34.2	32.9	31.7	29.8	28.5	26.6	24.7
67.5°	36.1	35.5	34.8	34.2	33.6	32.3	30.4	29.1	27.2	25.3	22.8
70°	34.2	34.2	34.2	33.6	33.6	32.3	30.4	29.1	27.2	24.7	22.8
72.5°	32.3	32.9	33.6	33.6	34.2	32.3	30.4	28.5	26.6	24.1	22.2
75°	31.0	31.7	32.3	32.3	32.9	31.7	30.4	28.5	27.2	24.7	22.2
77.5°	31.7	32.3	32.3	32.9	32.9	31.7	30.4	28.5	27.2	24.1	20.9
80°	31.7	31.0	30.4	29.1	28.5	26.0	23.4	20.3	17.7	13.9	10.8
82.5°	24.7	23.4	22.8	21.5	20.3	17.7	15.2	12.7	10.1	7.6	5.1
85°	19.6	18.4	17.7	16.5	15.2	13.3	10.8	8.9	6.3	5.1	3.2
87.5°	10.1	9.5	8.2	7.6	6.3	5.1	3.2	1.9	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: P367931
 CATALOG NUMBER: MSA-SA3C-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: P367931
 CATALOG NUMBER: MSA-SA3C-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°	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3
2.5°	1313.0	1345.3	1340.9	1336.4	1357.3	1378.2	1363.0	1348.5	1333.3	1318.1	1286.4
5°	1327.6	1330.1	1325.7	1320.6	1321.2	1321.9	1311.7	1301.6	1291.5	1281.3	1279.4
7.5°	1060.4	1070.5	1084.5	1097.8	1098.4	1098.4	1090.8	1083.2	1075.0	1067.4	1071.2
10°	750.8	748.3	752.1	755.9	755.3	754.0	774.3	794.5	814.1	834.4	819.8
12.5°	555.8	559.0	543.2	527.4	533.1	538.1	541.3	544.4	547.6	550.8	559.6
15°	336.2	326.7	315.3	303.9	309.6	314.6	320.3	325.4	331.1	336.2	341.9
17.5°	234.2	231.1	226.0	220.3	220.9	221.6	222.2	222.8	222.8	223.5	224.7
20°	203.2	205.1	201.3	196.9	195.6	193.7	192.5	191.2	189.3	188.0	186.1
22.5°	179.2	180.4	181.1	181.1	178.5	175.4	172.8	170.9	168.4	165.9	164.6
25°	162.7	164.0	162.7	160.8	159.5	158.3	157.0	155.1	153.8	151.9	151.3
27.5°	148.8	150.7	150.7	150.0	148.8	146.9	143.7	141.2	138.0	134.8	135.5
30°	134.2	136.7	136.7	136.1	135.5	134.8	131.7	128.5	125.3	122.2	123.5
32.5°	123.5	124.7	124.1	123.5	123.5	122.8	120.3	118.4	115.9	113.3	113.3
35°	109.5	110.2	110.2	110.2	110.2	109.5	107.6	105.7	103.8	101.9	102.6
37.5°	99.4	99.4	101.3	102.6	101.3	100.0	98.8	96.9	95.6	93.7	93.7
40°	88.0	88.0	89.9	91.2	89.9	88.6	88.0	86.7	86.1	84.8	84.8
42.5°	77.9	77.9	79.8	81.0	81.0	80.4	79.1	77.9	76.6	75.3	76.0
45°	65.2	64.6	67.7	70.3	69.0	67.7	67.7	67.1	67.1	66.5	67.1
47.5°	53.8	53.2	55.7	58.2	57.6	56.3	56.3	56.3	56.3	56.3	57.0
50°	44.9	43.7	46.2	48.1	47.5	46.2	46.2	46.8	46.8	46.8	47.5
52.5°	38.6	37.4	39.3	40.5	39.9	39.3	39.3	39.9	39.9	39.9	40.5
55°	34.2	32.9	34.8	36.1	35.5	34.2	34.8	34.8	35.5	35.5	35.5
57.5°	30.4	28.5	29.8	31.0	31.0	30.4	31.0	31.0	31.7	31.7	31.7
60°	27.9	26.0	27.2	27.9	27.9	27.2	27.9	27.9	28.5	28.5	28.5
62.5°	24.7	22.8	24.1	24.7	24.7	24.1	24.7	24.7	25.3	25.3	25.3
65°	22.2	20.3	20.9	21.5	21.5	21.5	22.2	22.2	22.8	22.8	22.8
67.5°	20.9	18.4	19.0	19.6	19.6	19.6	20.3	20.3	20.9	20.9	21.5
70°	20.3	17.7	18.4	18.4	19.0	19.0	19.0	19.6	19.6	19.6	19.6
72.5°	19.6	17.1	17.1	17.1	17.7	17.7	17.7	18.4	18.4	18.4	18.4
75°	19.6	17.1	16.5	15.8	16.5	16.5	16.5	17.1	17.1	17.1	17.1
77.5°	17.1	13.9	12.7	10.8	12.7	13.9	14.6	14.6	15.2	15.2	15.2
80°	7.0	3.2	1.9	0.0	0.6	1.3	1.9	2.5	3.2	3.8	4.4
82.5°	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.9	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: P367931
 CATALOG NUMBER: MSA-SA3C-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: P367931
 CATALOG NUMBER: MSA-SA3C-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3
2.5°	1254.8	1223.1	1191.5	1206.6	1221.8	1237.0	1252.2	1251.0	1249.1	1247.8	1245.9
5°	1278.2	1276.3	1274.4	1265.5	1257.3	1248.4	1239.6	1237.7	1235.1	1233.2	1230.7
7.5°	1075.0	1078.1	1081.9	1071.8	1061.7	1051.5	1041.4	1015.5	989.5	962.9	937.0
10°	805.3	790.1	775.5	774.3	773.0	771.7	770.5	767.9	765.4	762.2	759.7
12.5°	569.1	578.0	586.9	583.7	580.5	576.7	573.6	578.0	583.1	587.5	591.9
15°	346.9	352.6	357.7	369.1	380.5	391.9	403.3	407.7	412.8	417.2	421.6
17.5°	226.0	226.6	227.9	240.6	252.6	265.3	277.3	285.5	293.7	301.3	309.6
20°	184.2	182.3	180.4	187.4	194.4	201.3	208.3	215.9	223.5	231.1	238.7
22.5°	164.0	162.7	161.4	164.0	166.5	168.4	170.9	176.6	183.0	188.7	194.4
25°	150.7	149.4	148.8	150.0	151.3	152.6	153.8	157.0	160.2	163.3	166.5
27.5°	135.5	136.1	136.1	137.4	138.0	139.3	139.9	141.2	143.1	144.3	145.6
30°	124.1	125.3	126.0	127.2	127.9	129.1	129.8	129.1	128.5	127.9	127.2
32.5°	113.3	112.7	112.7	114.0	114.6	115.9	116.5	117.8	119.0	119.7	120.9
35°	102.6	103.2	103.2	103.2	103.8	103.8	103.8	105.1	107.0	108.3	109.5
37.5°	93.1	93.1	92.4	94.3	95.6	97.5	98.8	100.0	101.9	103.2	104.5
40°	84.8	84.8	84.8	86.1	87.4	88.0	89.3	92.4	95.6	98.8	101.9
42.5°	76.0	76.6	76.6	77.9	79.1	79.8	81.0	83.6	85.5	88.0	89.9
45°	67.7	68.4	69.0	70.3	70.9	72.2	72.8	74.1	74.7	76.0	76.6
47.5°	58.2	58.9	59.5	60.8	61.4	62.7	63.3	62.7	62.7	62.0	61.4
50°	48.7	49.4	50.0	51.9	53.2	55.1	56.3	55.1	53.8	51.9	50.6
52.5°	41.2	41.2	41.8	43.0	44.3	44.9	46.2	45.6	44.9	44.3	43.7
55°	35.5	35.5	35.5	36.1	36.7	37.4	38.0	38.6	38.6	39.3	39.3
57.5°	31.7	31.0	31.0	31.7	32.3	32.3	32.9	33.6	33.6	34.2	34.2
60°	28.5	27.9	27.9	28.5	29.1	29.8	30.4	30.4	30.4	29.8	29.8
62.5°	25.3	25.3	25.3	26.0	26.0	26.6	26.6	26.6	27.2	27.2	27.2
65°	23.4	23.4	23.4	23.4	23.4	22.8	22.8	23.4	23.4	24.1	24.1
67.5°	21.5	22.2	22.2	21.5	20.9	20.3	19.6	20.3	20.3	20.9	20.9
70°	19.6	19.6	19.6	19.0	18.4	17.7	17.1	17.1	17.1	16.5	16.5
72.5°	18.4	17.7	17.7	17.1	15.8	15.2	13.9	13.3	13.3	12.7	12.0
75°	17.1	16.5	16.5	15.2	13.9	12.7	11.4	10.8	9.5	8.9	7.6
77.5°	15.2	15.2	15.2	13.3	12.0	10.1	8.2	7.0	5.7	3.8	2.5
80°	5.1	5.7	6.3	5.7	5.7	5.1	4.4	3.2	2.5	1.3	0.0
82.5°	0.6	0.6	0.6	0.6	0.6	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: P367931
 CATALOG NUMBER: MSA-SA3C-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: P367931
 CATALOG NUMBER: MSA-SA3C-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°	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3
2.5°	1252.9	1259.8	1266.8	1273.8	1274.4	1275.0	1275.7	1276.3	1260.5	1244.0	1228.2
5°	1243.4	1256.7	1269.3	1282.0	1275.0	1268.1	1261.1	1254.1	1253.5	1253.5	1252.9
7.5°	938.9	940.1	942.0	943.3	945.8	948.3	950.2	952.8	962.9	973.0	982.5
10°	751.5	743.2	734.4	726.1	719.8	712.8	706.5	699.6	704.6	710.3	715.4
12.5°	585.0	578.0	570.4	563.4	560.9	558.4	555.2	552.7	569.1	585.6	601.4
15°	420.4	419.1	417.2	415.9	424.2	432.4	440.6	448.9	462.8	476.1	490.0
17.5°	312.7	315.9	319.1	322.2	327.3	332.4	336.8	341.9	352.0	362.8	372.9
20°	242.5	246.9	250.7	254.5	253.2	252.0	250.1	248.8	257.0	265.3	272.9
22.5°	198.2	201.3	205.1	208.3	208.9	209.5	210.2	210.8	215.9	220.3	225.4
25°	169.7	173.5	176.6	179.8	180.4	181.1	181.7	182.3	188.7	195.0	200.7
27.5°	150.0	153.8	158.3	162.1	163.3	164.6	165.9	167.1	170.9	174.1	177.9
30°	132.3	137.4	142.4	147.5	149.4	151.3	153.2	155.1	158.9	163.3	167.1
32.5°	123.5	126.6	129.1	131.7	136.1	139.9	144.3	148.1	152.6	157.6	162.1
35°	113.3	116.5	120.3	123.5	126.6	129.8	132.3	135.5	138.0	140.5	142.4
37.5°	107.0	110.2	112.7	115.2	116.5	117.8	118.4	119.7	120.9	122.2	122.8
40°	101.9	101.3	101.3	100.7	101.9	103.8	105.1	106.4	110.2	113.3	117.1
42.5°	88.6	86.7	85.5	83.6	86.7	89.3	92.4	95.0	100.0	105.1	110.2
45°	75.3	74.1	72.2	70.9	75.3	79.8	84.2	88.6	94.3	99.4	105.1
47.5°	62.0	62.7	62.7	63.3	67.7	72.2	76.0	80.4	86.1	91.8	97.5
50°	51.9	53.2	54.4	55.7	60.1	63.9	68.4	72.2	78.5	84.2	90.5
52.5°	45.6	47.5	48.7	50.6	54.4	58.9	62.7	66.5	72.2	77.9	83.6
55°	41.2	43.7	45.6	47.5	50.6	53.8	57.0	60.1	65.8	71.5	76.6
57.5°	36.1	38.0	39.9	41.8	44.9	48.1	50.6	53.8	58.9	64.6	69.6
60°	31.7	32.9	34.8	36.1	38.6	41.8	44.3	46.8	51.9	57.0	61.4
62.5°	27.9	29.1	29.8	30.4	32.9	35.5	38.0	40.5	44.9	50.0	54.4
65°	24.7	25.3	25.3	26.0	27.9	30.4	32.3	34.2	39.3	43.7	48.7
67.5°	20.9	21.5	21.5	21.5	23.4	25.3	27.2	29.1	33.6	38.6	43.0
70°	16.5	17.1	17.1	17.1	19.0	21.5	23.4	25.3	29.1	32.9	36.7
72.5°	12.7	12.7	13.3	13.3	15.2	17.7	19.6	21.5	24.7	27.9	31.0
75°	8.2	8.9	8.9	9.5	11.4	13.9	15.8	17.7	20.9	24.1	26.6
77.5°	3.2	4.4	5.1	5.7	7.6	9.5	11.4	13.3	15.8	19.0	21.5
80°	0.0	0.6	0.6	0.6	1.9	2.5	3.8	4.4	6.3	8.9	10.8
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: P367931
 CATALOG NUMBER: MSA-SA3C-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: P367931
 CATALOG NUMBER: MSA-SA3C-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3
2.5°	1211.7	1246.5	1281.3	1316.2	1351.0	1394.0	1437.1	1443.4	1449.7	1442.1	1435.2
5°	1252.2	1269.3	1285.8	1302.9	1319.3	1368.7	1417.5	1418.1	1418.1	1418.7	1418.7
7.5°	992.7	1007.2	1021.8	1035.7	1050.3	1082.6	1114.8	1126.9	1138.3	1135.7	1133.2
10°	720.4	739.4	757.8	776.8	795.1	824.9	854.7	866.0	876.8	911.6	947.1
12.5°	617.9	636.2	654.6	672.3	690.7	721.1	751.5	773.6	795.1	816.7	838.2
15°	503.3	517.9	533.1	547.6	562.2	576.1	590.0	617.3	643.8	665.4	686.9
17.5°	383.0	389.3	395.0	401.4	407.1	413.4	419.7	431.1	441.9	460.9	479.2
20°	281.1	286.2	291.2	295.6	300.7	307.0	313.4	321.6	329.2	333.6	337.4
22.5°	229.8	237.4	245.0	252.0	259.6	264.0	268.4	271.0	273.5	275.4	277.3
25°	207.0	214.0	220.3	227.3	233.6	235.5	237.4	242.5	247.5	247.5	247.5
27.5°	181.1	190.6	200.7	210.2	219.7	222.2	224.1	226.0	227.3	224.7	221.6
30°	170.9	180.4	189.9	198.8	208.3	212.1	215.2	217.1	219.0	215.9	212.7
32.5°	166.5	175.4	183.6	192.5	200.7	205.8	210.2	215.2	219.7	220.3	221.6
35°	145.0	150.7	157.0	162.7	168.4	170.9	173.5	175.4	176.6	176.6	176.6
37.5°	124.1	131.7	139.9	147.5	155.1	160.8	166.5	167.1	167.1	168.4	170.3
40°	120.3	127.9	135.5	142.4	150.0	156.4	162.1	162.7	163.3	164.6	165.9
42.5°	115.2	123.5	131.7	139.9	148.1	154.5	160.2	160.2	159.5	161.4	162.7
45°	110.2	118.4	126.0	134.2	141.8	150.0	157.6	155.7	153.2	156.4	158.9
47.5°	103.2	112.1	120.9	129.1	138.0	145.6	152.6	151.3	149.4	152.6	155.7
50°	96.2	105.1	114.0	122.8	131.7	139.9	147.5	146.2	145.0	148.8	151.9
52.5°	89.3	98.1	107.6	116.5	125.3	132.3	138.6	138.0	137.4	141.2	145.6
55°	82.3	90.5	99.4	107.6	115.9	123.5	130.4	129.1	127.9	131.0	134.2
57.5°	74.7	82.9	90.5	98.8	106.4	112.7	118.4	116.5	114.6	118.4	122.2
60°	66.5	74.1	81.7	88.6	96.2	101.3	105.7	104.5	102.6	106.4	110.2
62.5°	58.9	65.8	72.8	79.1	86.1	89.9	93.7	92.4	91.2	95.0	99.4
65°	53.2	58.9	63.9	69.6	74.7	78.5	82.3	80.4	78.5	82.9	86.7
67.5°	47.5	51.9	57.0	61.4	65.8	69.0	72.2	70.9	69.0	72.2	75.3
70°	40.5	44.9	49.4	53.2	57.6	60.8	63.9	62.0	59.5	62.7	65.8
72.5°	34.2	38.0	41.8	44.9	48.7	51.3	53.8	51.9	50.0	52.5	55.1
75°	29.8	32.9	36.1	38.6	41.8	43.0	44.3	43.7	42.4	44.9	46.8
77.5°	24.1	26.6	29.8	32.3	34.8	34.8	34.8	35.5	35.5	38.0	41.2
80°	12.7	15.2	17.7	19.6	22.2	22.2	21.5	22.8	23.4	26.6	29.8
82.5°	0.0	1.9	3.8	5.7	7.6	7.0	5.7	6.3	6.3	7.6	8.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.3
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: P367931
 CATALOG NUMBER: MSA-SA3C-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: P367931
 CATALOG NUMBER: MSA-SA3C-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°	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3
2.5°	1427.6	1420.0	1414.9	1410.5	1405.4	1400.4	1406.7	1413.0	1418.7	1425.1	1444.0
5°	1419.4	1419.4	1414.9	1410.5	1406.1	1401.6	1411.1	1420.0	1429.5	1438.4	1437.7
7.5°	1130.0	1127.5	1154.1	1180.1	1206.6	1232.6	1239.6	1246.5	1252.9	1259.8	1257.9
10°	981.9	1016.7	1028.1	1039.5	1050.9	1062.3	1076.2	1090.2	1104.1	1118.0	1123.1
12.5°	859.7	881.2	918.0	954.0	990.8	1026.9	1045.2	1064.2	1082.6	1100.9	1137.0
15°	708.4	729.9	761.6	793.2	824.9	856.6	885.7	915.4	944.6	973.7	1017.4
17.5°	498.2	516.6	540.6	564.7	588.1	612.2	657.1	702.1	747.0	792.0	838.2
20°	341.9	345.7	357.1	369.1	380.5	391.9	432.4	473.5	514.1	554.6	615.4
22.5°	278.6	280.5	286.2	291.8	296.9	302.6	323.5	345.0	365.9	386.8	436.2
25°	246.9	246.9	250.7	254.5	258.3	262.1	273.5	284.9	295.6	307.0	338.7
27.5°	219.0	215.9	221.6	227.3	233.0	238.7	246.9	255.8	264.0	272.2	293.7
30°	209.5	206.4	213.3	220.3	227.3	234.2	242.5	250.7	258.3	266.5	281.1
32.5°	222.2	222.8	225.4	227.9	229.8	232.3	236.1	240.6	244.4	248.2	260.8
35°	176.6	176.6	181.1	185.5	189.3	193.7	200.7	207.6	214.6	221.6	234.9
37.5°	171.6	172.8	176.6	181.1	184.9	188.7	197.5	207.0	215.9	224.7	235.5
40°	166.5	167.8	172.8	177.9	183.0	188.0	196.9	205.1	214.0	222.2	232.3
42.5°	164.6	165.9	172.2	179.2	185.5	191.8	199.4	207.0	214.0	221.6	235.5
45°	162.1	164.6	172.2	180.4	188.0	195.6	202.6	209.5	216.5	223.5	240.6
47.5°	158.3	161.4	170.3	178.5	187.4	195.6	208.9	222.8	236.1	249.4	257.7
50°	155.7	158.9	168.4	177.9	187.4	196.9	218.4	239.9	260.8	282.4	277.9
52.5°	149.4	153.2	165.2	177.3	189.3	201.3	220.3	239.3	258.3	277.3	268.4
55°	137.4	140.5	154.5	168.4	181.7	195.6	209.5	223.5	236.8	250.7	240.6
57.5°	125.3	129.1	142.4	155.7	168.4	181.7	188.7	195.6	202.6	209.5	205.8
60°	114.0	117.8	135.5	153.2	170.9	188.7	182.3	176.0	169.0	162.7	167.1
62.5°	103.2	107.0	124.1	140.5	157.6	174.1	165.2	156.4	147.5	138.6	145.6
65°	91.2	95.0	101.3	108.3	114.6	120.9	120.3	119.0	118.4	117.1	124.7
67.5°	78.5	81.7	84.8	88.6	91.8	95.0	96.9	99.4	101.3	103.2	109.5
70°	68.4	71.5	75.3	78.5	82.3	85.5	86.7	88.0	88.6	89.9	95.6
72.5°	57.0	59.5	64.6	69.6	74.1	79.1	79.8	79.8	80.4	80.4	84.8
75°	49.4	51.3	55.1	58.9	62.0	65.8	67.7	69.6	70.9	72.8	75.3
77.5°	43.7	46.2	47.5	48.1	49.4	50.0	51.3	52.5	53.8	55.1	55.7
80°	32.3	35.5	36.7	37.4	38.6	39.3	39.3	38.6	38.6	38.0	38.6
82.5°	10.1	11.4	13.3	15.2	17.1	19.0	19.6	20.3	20.3	20.9	20.3
85°	1.9	2.5	3.8	5.1	5.7	7.0	6.3	5.1	4.4	3.2	2.5
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: P367931
 CATALOG NUMBER: MSA-SA3C-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: P367931
 CATALOG NUMBER: MSA-SA3C-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3
2.5°	1463.0	1481.4	1500.4	1492.8	1485.2	1477.6	1470.0	1471.3	1473.2	1474.4	1475.7
5°	1437.1	1435.8	1435.2	1456.7	1478.9	1500.4	1521.9	1545.3	1569.4	1592.8	1616.2
7.5°	1256.0	1253.5	1251.6	1279.4	1307.3	1335.2	1363.0	1395.3	1428.2	1460.5	1492.8
10°	1128.1	1133.2	1138.3	1149.7	1161.7	1173.1	1184.5	1215.5	1246.5	1276.9	1307.9
12.5°	1173.1	1208.5	1244.6	1251.6	1257.9	1264.9	1271.2	1275.7	1280.1	1284.5	1288.9
15°	1061.7	1105.4	1149.0	1167.4	1185.1	1203.5	1221.2	1268.1	1314.3	1361.1	1407.3
17.5°	884.4	930.0	976.2	1031.3	1086.4	1141.4	1196.5	1247.2	1297.8	1348.5	1399.1
20°	676.8	737.5	798.3	867.9	938.2	1007.9	1077.5	1128.1	1178.2	1228.8	1278.8
22.5°	486.2	535.6	585.0	669.2	752.7	836.9	920.5	1008.5	1097.1	1185.1	1273.1
25°	370.4	401.4	433.0	516.0	598.9	681.2	764.1	885.0	1006.0	1126.9	1247.8
27.5°	314.6	336.2	357.1	431.8	506.5	580.5	655.2	798.9	942.7	1086.4	1230.1
30°	296.3	310.8	325.4	388.7	452.7	516.0	579.3	724.9	870.5	1016.1	1161.7
32.5°	273.5	285.5	298.2	353.9	409.6	464.7	520.4	662.8	805.3	947.1	1089.5
35°	247.5	260.8	273.5	329.2	384.9	440.0	495.7	643.2	790.7	938.2	1085.7
37.5°	245.6	256.4	266.5	331.1	396.3	460.9	525.5	673.0	820.5	967.3	1114.8
40°	243.1	253.2	263.4	329.2	394.4	460.2	525.5	679.9	834.4	988.9	1143.3
42.5°	249.4	262.7	276.7	334.9	393.1	450.8	509.0	671.7	834.4	996.5	1159.2
45°	258.3	275.4	292.5	345.7	398.8	452.0	505.2	681.8	858.5	1034.4	1211.1
47.5°	266.5	274.8	283.0	333.6	383.6	434.3	484.3	664.7	845.2	1025.6	1206.0
50°	274.1	269.7	265.3	321.0	376.7	431.8	487.5	659.7	831.2	1003.4	1175.0
52.5°	258.9	250.1	240.6	300.1	359.6	418.5	478.0	651.4	824.9	998.4	1171.8
55°	230.4	220.3	210.2	269.1	327.3	386.2	444.4	617.3	790.1	962.9	1135.7
57.5°	201.3	197.5	193.1	238.0	283.0	327.3	372.2	564.1	756.5	948.3	1140.2
60°	171.6	175.4	179.8	212.1	244.4	276.0	308.3	496.3	683.7	871.7	1059.1
62.5°	151.9	158.9	165.2	192.5	220.3	247.5	274.8	452.0	629.3	806.5	983.8
65°	132.9	140.5	148.1	180.4	213.3	245.6	277.9	428.0	578.0	728.0	878.1
67.5°	115.9	121.6	127.9	170.3	212.7	255.1	297.5	420.4	542.5	665.4	787.5
70°	101.3	106.4	112.1	161.4	210.8	260.2	309.6	414.0	519.1	623.6	728.0
72.5°	89.3	93.7	98.1	148.1	198.2	248.2	298.2	391.2	483.7	576.7	669.2
75°	77.9	79.8	82.3	124.7	166.5	208.9	250.7	312.7	375.4	437.5	499.5
77.5°	56.3	56.3	57.0	69.6	81.7	94.3	106.4	145.0	183.6	221.6	260.2
80°	38.6	39.3	39.3	44.3	48.7	53.8	58.2	66.5	74.1	82.3	89.9
82.5°	19.6	18.4	17.7	22.8	27.9	32.9	38.0	39.9	41.2	43.0	44.3
85°	1.9	0.6	0.0	3.2	6.3	9.5	12.7	15.2	17.7	20.3	22.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367931
 CATALOG NUMBER: MSA-SA3C-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: P367931

CATALOG NUMBER: MSA-SA3C-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°	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3
2.5°	1470.6	1465.6	1460.5	1455.4	1486.5	1518.1	1549.1	1580.2	1668.2	1725.8	1719.4
5°	1639.0	1661.8	1684.6	1707.4	1744.1	1781.5	1818.2	1854.9	1985.3	2065.1	2076.5
7.5°	1528.2	1563.1	1598.5	1633.3	1704.2	1774.5	1845.4	1915.7	2022.7	2105.6	2152.5
10°	1347.8	1387.7	1427.0	1466.8	1546.6	1627.0	1706.8	1786.5	1906.8	2021.4	2080.3
12.5°	1351.6	1414.3	1477.0	1539.6	1609.3	1678.9	1747.9	1817.6	1891.0	1929.6	2012.6
15°	1456.7	1506.1	1555.5	1604.9	1696.0	1787.2	1877.7	1968.9	2012.6	2105.6	2202.5
17.5°	1495.3	1592.2	1688.4	1784.6	1898.6	2011.9	2125.9	2239.2	2321.5	2450.6	2550.7
20°	1423.8	1568.8	1713.1	1858.1	2014.5	2170.8	2327.2	2483.6	2573.5	2696.3	2850.7
22.5°	1427.0	1580.8	1734.0	1887.8	2103.7	2319.0	2534.8	2750.1	2991.3	3228.1	3303.4
25°	1449.1	1650.4	1851.1	2052.4	2301.9	2551.3	2800.7	3050.2	3341.4	3590.2	3690.2
27.5°	1456.7	1683.4	1909.4	2136.0	2490.5	2845.0	3199.6	3554.1	3901.7	4182.7	4289.7
30°	1438.4	1715.6	1992.3	2268.9	2703.9	3138.8	3573.7	4008.6	4338.5	4665.8	4798.7
32.5°	1442.8	1796.0	2149.3	2502.6	3014.7	3527.5	4039.7	4551.8	4762.6	5057.7	5291.9
35°	1473.2	1860.6	2247.4	2634.9	3201.5	3768.1	4334.7	4901.3	5246.9	5558.4	5757.2
37.5°	1544.1	1973.3	2401.9	2831.1	3527.5	4224.5	4920.9	5617.3	6152.2	6687.2	6778.4
40°	1596.6	2049.9	2503.2	2956.5	3764.9	4573.3	5381.8	6190.2	6795.4	7376.0	7438.0
42.5°	1656.1	2152.5	2649.4	3145.8	4049.8	4953.8	5857.9	6761.9	7462.7	8054.6	8095.8
45°	1721.3	2232.2	2742.5	3252.8	4199.8	5146.3	6093.4	7039.8	7858.4	8545.9	8390.8
47.5°	1752.4	2298.7	2845.0	3391.4	4406.8	5421.7	6437.1	7452.0	8186.3	8792.8	8611.7
50°	1776.4	2377.2	2978.6	3579.4	4644.3	5709.1	6773.9	7838.8	8575.0	9134.7	8851.1
52.5°	1844.2	2515.8	3188.2	3859.9	4992.4	6124.4	7257.0	8388.9	9101.1	9615.2	9217.6
55°	1910.0	2683.6	3457.9	4231.5	5449.5	6668.2	7886.2	9104.3	9813.3	10254.0	9713.9
57.5°	1992.9	2846.3	3699.1	4551.8	5854.7	7157.6	8459.8	9762.7	10455.9	10942.7	10381.8
60°	1971.4	2883.0	3795.3	4706.9	6033.9	7360.8	8687.7	10014.6	10838.3	11436.5	11056.1
62.5°	1887.8	2791.9	3695.3	4599.3	5902.8	7205.7	8509.2	9812.1	10799.0	11609.4	11481.5
65°	1718.8	2558.9	3399.6	4239.7	5484.3	6729.6	7974.2	9218.9	10436.9	11468.2	11513.8
67.5°	1496.6	2205.6	2914.1	3623.1	4784.2	5945.2	7105.7	8266.7	9704.4	10907.3	11042.8
70°	1261.1	1793.5	2326.6	2859.0	3880.8	4902.5	5923.7	6945.5	8440.2	9650.6	9906.4
72.5°	1011.0	1353.5	1695.4	2037.2	2774.8	3511.7	4249.2	4986.1	6301.0	7240.5	7686.8
75°	655.2	811.0	966.7	1122.4	1613.7	2104.3	2595.6	3086.3	3959.3	4651.2	5155.8
77.5°	291.8	323.5	354.5	386.2	765.4	1144.6	1523.8	1903.0	2282.2	2700.1	2818.5
80°	104.5	118.4	132.9	146.9	333.0	519.8	705.9	892.0	1075.6	1291.5	1344.0
82.5°	43.7	43.7	43.0	42.4	108.9	175.4	241.8	308.3	356.4	409.6	419.7
85°	17.7	13.3	8.2	3.2	13.9	25.3	36.1	46.8	75.3	68.4	126.6
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: P367931
 CATALOG NUMBER: MSA-SA3C-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: P367931

CATALOG NUMBER: MSA-SA3C-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3
2.5°	1695.4	1694.1	1692.8	1691.6	1690.3	1667.5	1645.4	1622.6	1600.4	1628.3	1656.1
5°	2058.1	2091.1	2124.0	2157.5	2190.4	2199.9	2209.4	2218.9	2228.4	2248.7	2268.9
7.5°	2191.7	2247.4	2302.5	2358.2	2413.3	2464.6	2515.2	2566.5	2617.8	2605.1	2592.5
10°	2145.5	2246.2	2346.8	2448.1	2548.8	2570.9	2593.1	2615.9	2638.0	2695.6	2753.3
12.5°	2095.5	2216.4	2337.3	2458.2	2579.2	2646.3	2712.7	2779.8	2846.9	2905.2	2963.4
15°	2332.9	2410.1	2487.4	2565.2	2642.5	2701.3	2759.6	2818.5	2876.7	2917.2	2957.1
17.5°	2645.0	2683.0	2721.0	2759.6	2797.6	2843.8	2890.0	2936.2	2982.4	3006.5	3030.5
20°	2974.8	2991.3	3007.7	3024.2	3040.7	3004.0	2967.2	2930.5	2893.8	2916.6	2938.7
22.5°	3305.9	3311.6	3318.0	3323.7	3329.4	3243.9	3158.4	3073.0	2987.5	2951.4	2915.3
25°	3815.6	3773.8	3732.0	3690.2	3648.4	3547.1	3445.8	3344.5	3243.3	3154.0	3064.7
27.5°	4367.6	4225.8	4084.6	3942.8	3801.6	3700.3	3599.0	3497.8	3396.5	3262.2	3128.0
30°	4924.1	4695.5	4467.6	4239.1	4011.2	3890.9	3770.6	3649.7	3529.4	3395.2	3261.6
32.5°	5434.3	5159.6	4884.8	4609.4	4334.7	4132.1	3929.5	3726.9	3524.3	3430.6	3336.9
35°	5857.2	5532.5	5207.7	4882.3	4557.5	4356.8	4156.2	3955.5	3754.8	3615.5	3476.9
37.5°	6580.2	6214.9	5849.6	5484.3	5119.1	4844.9	4571.4	4297.3	4023.2	3930.1	3837.1
40°	7246.8	6786.6	6326.3	5866.1	5405.8	5176.0	4946.9	4717.1	4487.9	4335.3	4183.4
42.5°	7776.7	7291.8	6807.5	6322.5	5837.6	5610.3	5383.7	5156.4	4929.1	4827.2	4725.9
45°	7891.3	7434.2	6977.8	6520.7	6063.6	5931.3	5799.6	5667.3	5535.6	5465.4	5395.7
47.5°	8117.3	7621.6	7126.5	6630.8	6135.2	6075.6	6016.1	5956.0	5896.5	5930.0	5963.6
50°	8243.9	7738.1	7232.3	6726.4	6220.6	6237.7	6254.2	6271.3	6288.4	6526.4	6763.8
52.5°	8489.6	7978.7	7467.8	6956.9	6446.0	6553.6	6660.6	6768.2	6875.2	7203.2	7530.5
55°	8928.3	8426.3	7924.2	7421.6	6919.5	7061.3	7203.2	7345.6	7487.4	7835.6	8183.2
57.5°	9578.5	9080.2	8582.6	8084.4	7586.8	7728.0	7869.1	8010.3	8151.5	8466.1	8780.1
60°	10397.0	9885.5	9374.6	8863.1	8352.2	8405.4	8457.9	8511.1	8564.3	8902.3	9239.8
62.5°	11034.5	10564.2	10094.4	9624.0	9154.3	9095.4	9037.2	8978.3	8920.1	9177.1	9433.5
65°	11182.7	10851.6	10521.1	10190.0	9858.9	9677.8	9497.4	9316.4	9135.3	9239.1	9343.0
67.5°	10758.5	10535.0	10312.2	10088.7	9865.2	9487.3	9109.3	8730.8	8352.8	8297.7	8242.7
70°	9774.1	9651.9	9530.3	9408.2	9286.6	8704.2	8122.4	7539.9	6958.2	6818.2	6678.3
72.5°	7712.8	7788.7	7864.7	7941.3	8017.3	7393.7	6770.8	6147.2	5523.6	5346.3	5169.7
75°	5438.8	5696.4	5954.1	6211.8	6469.4	5900.9	5333.0	4764.5	4196.0	4025.7	3856.1
77.5°	2948.9	3431.9	3914.9	4398.0	4881.0	4411.9	3943.4	3474.3	3005.2	2886.8	2769.1
80°	1397.8	1676.4	1954.3	2232.9	2511.4	2405.7	2300.0	2193.6	2087.9	2113.8	2139.8
82.5°	428.6	629.9	831.2	1032.5	1233.9	1249.7	1264.9	1280.7	1296.5	1335.8	1374.4
85°	143.7	196.9	250.1	303.2	356.4	450.1	543.8	638.1	731.8	671.1	610.9
87.5°	0.0	1.9	3.2	5.1	6.3	19.6	32.9	46.2	59.5	51.3	43.7
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: P367931
 CATALOG NUMBER: MSA-SA3C-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367931

CATALOG NUMBER: MSA-SA3C-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°	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3
2.5°	1684.6	1712.5	1713.1	1714.4	1715.0	1715.6	1718.8	1722.0	1725.8	1728.9	1708.0
5°	2289.8	2310.1	2272.7	2235.4	2197.4	2160.1	2193.6	2227.2	2260.7	2294.3	2279.7
7.5°	2579.2	2566.5	2562.1	2558.3	2553.8	2550.0	2562.7	2575.4	2588.0	2600.7	2599.4
10°	2810.9	2868.5	2882.4	2896.3	2910.9	2924.8	2895.7	2866.6	2837.5	2808.3	2796.3
12.5°	3021.7	3079.9	3126.1	3172.3	3219.2	3265.4	3223.6	3182.5	3140.7	3099.5	3060.3
15°	2997.6	3037.5	3075.5	3113.5	3151.5	3189.4	3175.5	3162.2	3148.3	3134.4	3128.0
17.5°	3055.2	3079.3	3070.4	3061.6	3052.1	3043.2	3038.8	3035.0	3030.5	3026.1	3010.9
20°	2961.5	2984.3	2978.6	2973.6	2967.9	2962.2	2958.4	2954.6	2950.8	2947.0	2934.9
22.5°	2879.2	2843.1	2833.7	2824.8	2815.3	2806.4	2807.7	2809.0	2809.6	2810.9	2865.3
25°	2975.5	2886.2	2851.4	2816.6	2781.1	2746.3	2762.1	2777.3	2793.1	2809.0	2887.5
27.5°	2993.2	2859.0	2803.3	2747.6	2691.8	2636.1	2693.1	2750.1	2807.1	2864.0	2991.3
30°	3127.4	2993.8	2916.0	2838.7	2760.8	2683.6	2756.4	2829.2	2902.0	2974.8	3112.8
32.5°	3242.6	3148.9	3093.2	3037.5	2981.8	2926.1	2929.2	2931.8	2934.9	2938.1	3132.5
35°	3337.6	3198.9	3148.3	3098.3	3047.6	2997.6	3073.0	3148.3	3223.6	3299.0	3473.7
37.5°	3744.0	3651.0	3557.9	3465.5	3372.4	3280.0	3340.1	3400.3	3461.0	3521.2	3714.3
40°	4030.8	3878.9	3854.8	3831.4	3807.3	3783.9	3814.9	3845.3	3876.3	3907.4	4076.4
42.5°	4624.0	4522.1	4456.9	4392.3	4327.1	4262.5	4287.2	4311.9	4337.2	4361.9	4522.1
45°	5325.4	5255.2	5212.1	5169.1	5125.4	5082.3	5045.0	5008.3	4970.9	4934.2	5096.9
47.5°	5997.1	6030.7	6125.7	6220.0	6314.9	6409.3	6332.0	6254.8	6176.9	6099.7	6100.3
50°	7001.8	7239.2	7287.4	7334.8	7382.9	7430.4	7265.8	7101.2	6936.0	6771.4	6751.8
52.5°	7858.4	8185.7	8202.8	8219.9	8237.6	8254.7	8188.2	8121.7	8054.6	7988.2	7811.5
55°	8531.3	8878.9	8902.3	8925.1	8948.5	8971.3	8913.1	8855.5	8797.2	8739.0	8560.5
57.5°	9094.8	9408.8	9422.7	9436.0	9449.9	9463.9	9468.3	9472.7	9477.8	9482.2	9241.0
60°	9577.8	9915.9	9888.0	9860.8	9833.0	9805.7	9763.9	9722.2	9680.4	9638.6	9482.9
62.5°	9690.5	9947.5	9904.5	9862.1	9819.0	9776.6	9741.2	9706.3	9670.9	9635.4	9536.0
65°	9446.8	9550.6	9506.3	9462.0	9417.0	9372.7	9349.9	9327.8	9305.0	9282.2	9269.5
67.5°	8187.0	8131.9	8184.4	8237.0	8289.5	8342.1	8413.6	8485.1	8557.3	8628.8	8587.1
70°	6537.8	6397.9	6456.1	6513.7	6572.0	6629.6	6737.8	6846.1	6955.0	7063.2	7034.1
72.5°	4992.4	4815.2	4823.4	4831.6	4840.5	4848.7	4845.6	4843.0	4839.9	4836.7	4887.4
75°	3685.8	3515.5	3435.1	3354.7	3274.3	3193.9	3174.2	3154.6	3135.0	3115.4	3209.7
77.5°	2650.7	2532.9	2477.9	2423.4	2368.3	2313.9	2341.8	2369.6	2398.1	2426.0	2458.9
80°	2166.4	2192.3	2149.9	2108.1	2065.7	2023.3	2055.0	2086.0	2117.6	2149.3	2051.2
82.5°	1413.7	1452.3	1321.9	1191.5	1061.0	930.6	1009.8	1088.9	1168.7	1247.8	1207.3
85°	550.1	490.0	417.8	346.3	274.1	202.0	262.7	323.5	384.3	445.1	485.6
87.5°	35.5	27.9	22.2	16.5	10.1	4.4	9.5	14.6	20.3	25.3	42.4
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



REPORT NUMBER: P367931
 CATALOG NUMBER: MSA-SA3C-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: P367931

CATALOG NUMBER: MSA-SA3C-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3	1338.3
2.5°	1687.8	1666.9	1646.6	1606.7	1566.9	1527.0	1487.1	1542.8	1598.5	1654.2	1709.9
5°	2265.8	2251.2	2237.3	2241.1	2244.9	2249.3	2253.1	2261.4	2269.6	2277.2	2285.4
7.5°	2598.8	2597.5	2596.2	2567.1	2538.0	2508.3	2479.1	2493.7	2508.3	2522.8	2537.4
10°	2784.9	2772.9	2760.8	2696.9	2633.0	2568.4	2504.5	2476.6	2448.1	2420.3	2392.4
12.5°	3021.0	2981.2	2941.9	2873.5	2805.8	2737.4	2669.1	2643.7	2617.8	2592.5	2566.5
15°	3122.3	3116.0	3110.3	3061.6	3012.2	2963.4	2914.1	2827.3	2740.0	2653.2	2566.5
17.5°	2995.7	2979.9	2964.7	3041.9	3118.5	3195.8	3273.0	3183.1	3093.2	3003.3	2913.4
20°	2922.9	2910.9	2898.9	3042.6	3185.6	3329.4	3472.4	3432.5	3392.0	3352.1	3312.3
22.5°	2919.8	2974.8	3029.3	3155.3	3280.6	3406.6	3531.9	3600.9	3670.6	3739.6	3808.6
25°	2966.0	3045.1	3123.6	3332.5	3541.4	3751.0	3959.9	4039.0	4117.5	4196.7	4275.2
27.5°	3117.9	3245.2	3371.8	3554.1	3736.4	3919.4	4101.7	4274.5	4448.0	4620.8	4793.7
30°	3250.2	3388.2	3526.2	3743.4	3959.9	4177.0	4393.6	4610.1	4826.6	5043.1	5259.6
32.5°	3326.8	3521.8	3716.2	3980.2	4243.5	4507.5	4771.5	5008.9	5246.3	5483.1	5720.5
35°	3648.4	3823.8	3998.5	4290.4	4582.2	4874.7	5166.5	5460.3	5754.0	6047.2	6340.9
37.5°	3907.4	4101.1	4294.2	4613.2	4931.7	5250.7	5569.8	5975.6	6382.1	6787.9	7193.7
40°	4245.4	4414.4	4583.5	4882.3	5180.5	5479.3	5778.1	6292.8	6807.5	7321.5	7836.2
42.5°	4681.6	4841.8	5001.9	5321.6	5641.4	5961.1	6280.8	6850.5	7420.3	7989.4	8559.2
45°	5259.6	5422.9	5585.6	5840.1	6094.6	6349.1	6603.6	7209.5	7814.7	8420.6	9025.8
47.5°	6101.0	6101.6	6102.2	6285.8	6469.4	6653.6	6837.2	7447.5	8057.2	8667.5	9277.1
50°	6732.1	6711.9	6692.3	6787.2	6881.5	6976.5	7071.5	7633.0	8195.2	8756.7	9318.3
52.5°	7635.5	7458.9	7282.9	7339.3	7395.0	7451.3	7507.0	7982.5	8458.5	8934.0	9409.4
55°	8382.6	8204.0	8025.5	8004.6	7983.7	7962.8	7942.0	8379.4	8816.9	9254.3	9691.8
57.5°	9000.5	8759.3	8518.7	8470.6	8423.1	8375.0	8326.9	8788.4	9249.3	9710.8	10171.7
60°	9327.8	9172.0	9016.3	8985.3	8953.6	8922.6	8890.9	9269.5	9648.1	10026.7	10405.3
62.5°	9437.3	9337.9	9239.1	9297.4	9355.6	9414.5	9472.7	9639.2	9805.1	9971.6	10137.5
65°	9257.5	9244.8	9232.2	9351.8	9470.8	9590.5	9710.1	9669.0	9627.2	9586.1	9544.9
67.5°	8545.9	8504.1	8463.0	8725.7	8987.8	9250.5	9513.2	9313.8	9113.8	8914.4	8714.9
70°	7005.0	6975.2	6946.1	7324.7	7703.3	8082.5	8461.1	8219.2	7977.4	7735.6	7493.7
72.5°	4937.4	4988.0	5038.7	5485.0	5930.7	6377.0	6822.7	6578.9	6335.2	6091.5	5847.7
75°	3303.4	3397.7	3492.1	3951.7	4411.3	4871.5	5331.1	5045.0	4758.8	4472.7	4186.5
77.5°	2491.8	2524.7	2557.6	2848.2	3138.8	3430.0	3720.6	3484.5	3247.7	3011.5	2774.8
80°	1953.0	1854.3	1756.2	1851.8	1947.3	2042.9	2138.5	1997.4	1856.2	1715.6	1574.5
82.5°	1166.8	1126.2	1085.7	1137.6	1188.9	1240.8	1292.7	1232.0	1170.6	1109.8	1048.4
85°	525.5	566.0	605.9	658.4	710.3	762.9	815.4	730.6	645.7	560.9	476.1
87.5°	58.9	76.0	93.1	115.2	137.4	159.5	181.7	141.8	101.3	61.4	21.5
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: P367931
 CATALOG NUMBER: MSA-SA3C-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367931
 CATALOG NUMBER: MSA-SA3C-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1338.3	1338.3
2.5°	1742.2	1774.5
5°	2284.8	2283.5
7.5°	2499.4	2460.8
10°	2356.9	2321.5
12.5°	2476.0	2385.4
15°	2498.1	2429.8
17.5°	2802.0	2689.9
20°	3168.6	3024.2
22.5°	3611.1	3412.9
25°	4039.7	3804.2
27.5°	4652.5	4510.7
30°	5116.5	4972.8
32.5°	5623.0	5525.5
35°	6244.0	6146.5
37.5°	7219.0	7243.7
40°	7851.4	7866.6
42.5°	8618.1	8677.0
45°	9091.6	9157.5
47.5°	9368.9	9460.7
50°	9466.4	9614.5
52.5°	9592.4	9774.7
55°	9895.0	10098.2
57.5°	10333.7	10495.8
60°	10412.9	10420.4
62.5°	10020.3	9903.2
65°	9420.2	9295.5
67.5°	8639.6	8563.6
70°	7393.7	7293.7
72.5°	5661.6	5475.5
75°	3956.1	3725.7
77.5°	2653.9	2532.9
80°	1578.3	1581.4
82.5°	1077.5	1106.0
85°	470.4	464.0
87.5°	15.2	8.2
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0



REPORT NUMBER: P367931
CATALOG NUMBER: MSA-SA3C-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	0.0	0.0
115°	0.0	0.0
117.5°	0.0	0.0
120°	0.0	0.0
122.5°	0.0	0.0
125°	0.0	0.0
127.5°	0.0	0.0
130°	0.0	0.0
132.5°	0.0	0.0
135°	0.0	0.0
137.5°	0.0	0.0
140°	0.0	0.0
142.5°	0.0	0.0
145°	0.0	0.0
147.5°	0.0	0.0
150°	0.0	0.0
152.5°	0.0	0.0
155°	0.0	0.0
157.5°	0.0	0.0
160°	0.0	0.0
162.5°	0.0	0.0
165°	0.0	0.0
167.5°	0.0	0.0
170°	0.0	0.0
172.5°	0.0	0.0
175°	0.0	0.0
177.5°	0.0	0.0
180°	0.0	0.0

(END OF REPORT)