

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: P367953

Luminaire Tested: **MSA-SA3C-730-U-SLR-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367953
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-730-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: 12095 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

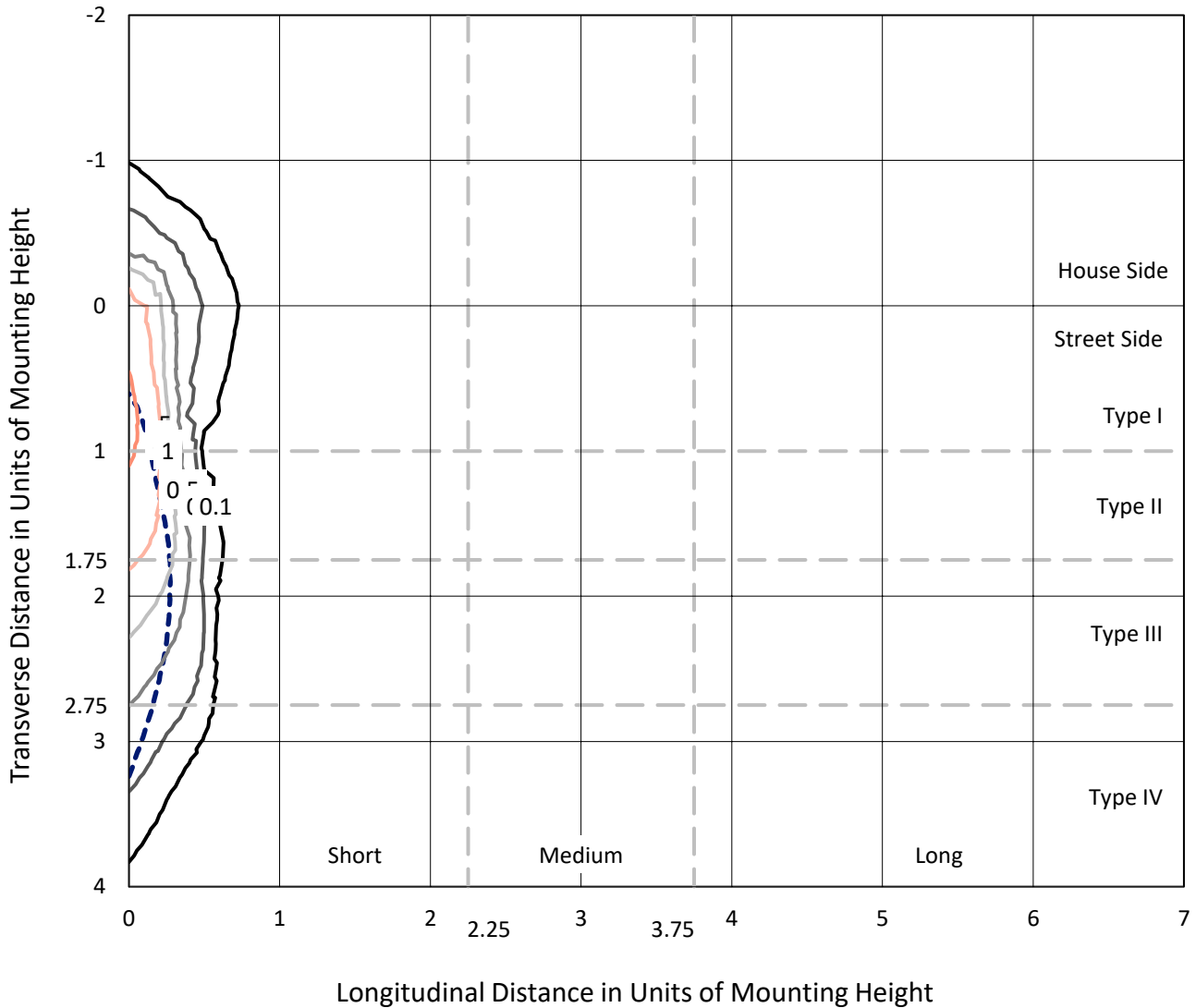
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

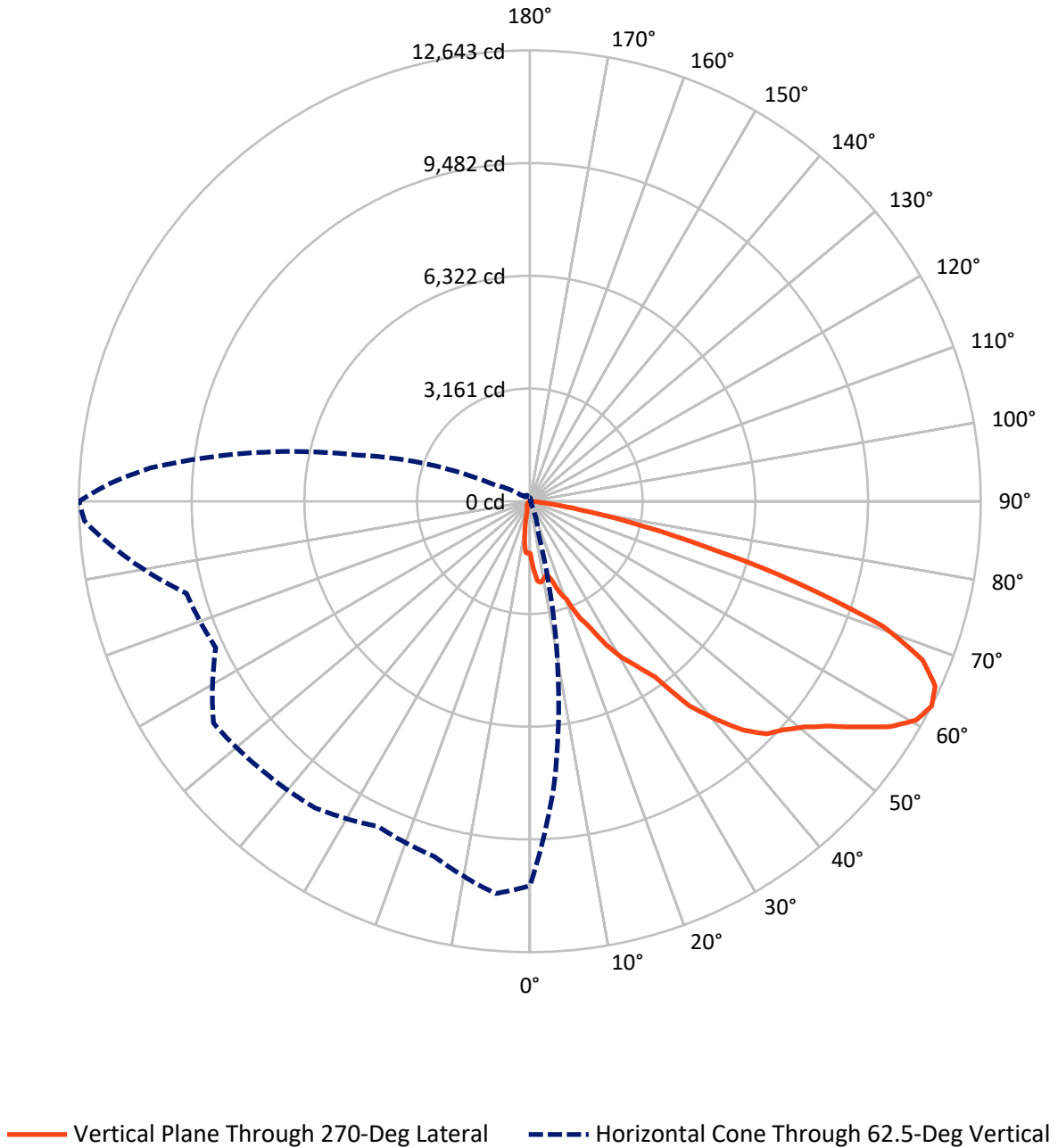
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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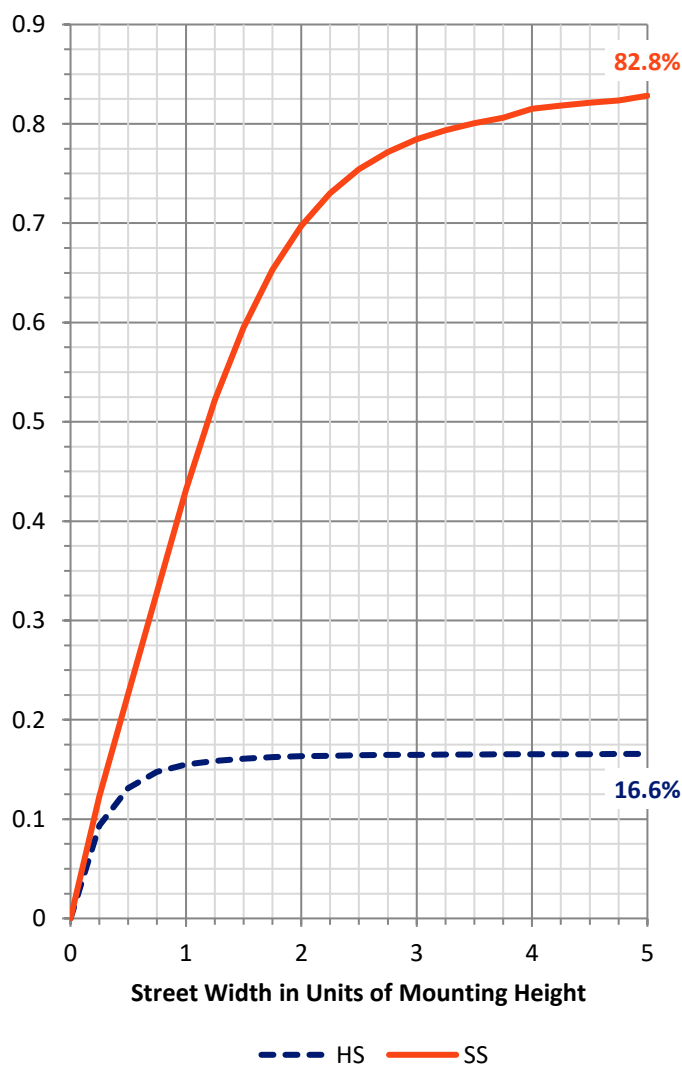
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2019.7	0.0	2019.7
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	10075.3	0.0	10075.3
	% Fixture	83.3	0.0	83.3
Total	Lumens	12095.0	0.0	12095.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.9	1.3
10°-20°	425.4	3.5
20°-30°	687.6	5.7
30°-40°	1151.6	9.5
40°-50°	1882.5	15.6
50°-60°	2786.8	23.0
60°-70°	3199.3	26.5
70°-80°	1581.8	13.1
80°-90°	217.3	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	12095.0	100.0
0°-180°	12095.0	100.0

Coefficient of Utilization

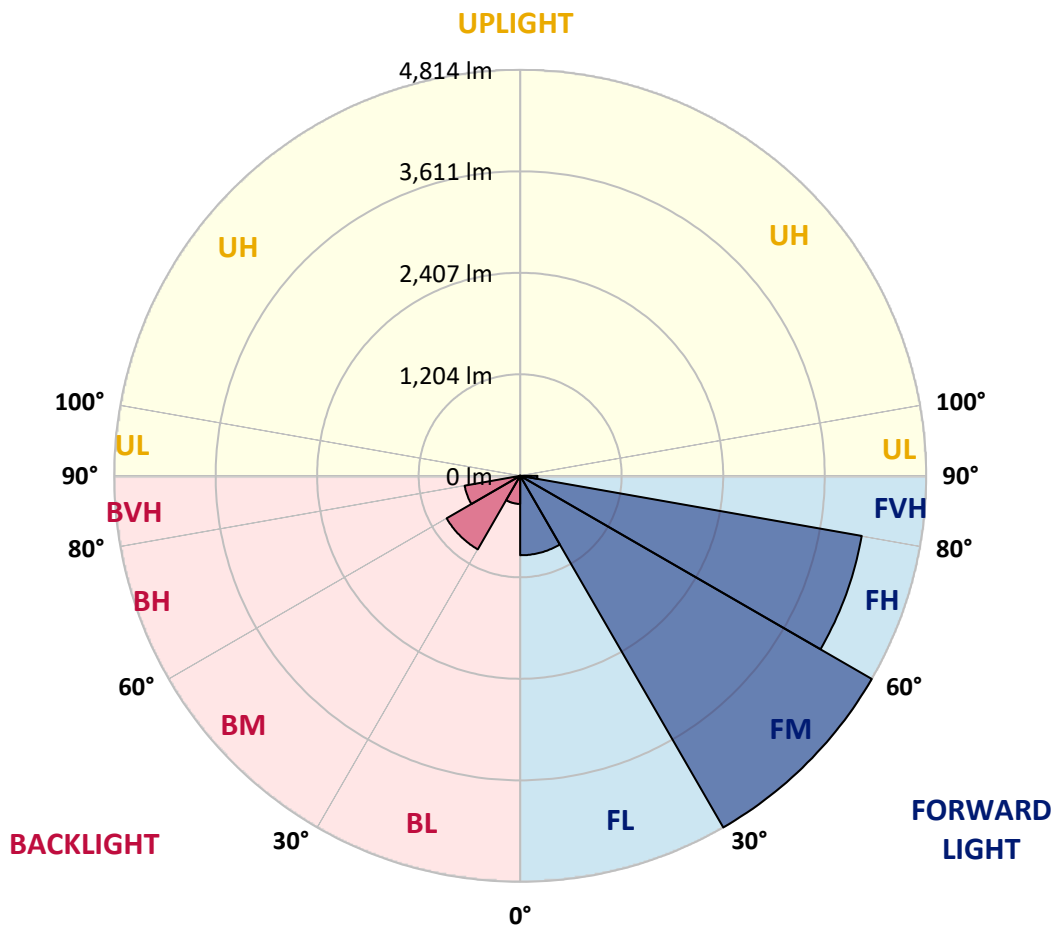


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	942.3	7.8			
FM (30°-60°)	4814.4	39.8			
FH (60°-80°)	4112.9	34.0			G2/5000
FVH (80°-90°)	205.7	1.7			G2/225
BL (0°-30°)	333.5	2.8	B1/500		
BM (30°-60°)	1006.4	8.3	B2/2500		
BH (60°-80°)	668.2	5.5	B2/1000		G2/1000
BVH (80°-90°)	11.6	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°	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5
2.5°	1932.5	1956.7	1980.1	1935.3	1890.5	1845.7	1800.9	1760.9	1720.9	1680.2	1640.2
5°	2486.9	2442.7	2398.6	2337.9	2277.3	2216.6	2155.9	2127.7	2099.4	2071.1	2042.8
7.5°	2679.9	2601.3	2522.0	2468.2	2415.2	2361.4	2307.6	2222.8	2137.3	2052.5	1967.0
10°	2528.2	2444.8	2360.7	2313.8	2266.9	2220.0	2173.2	2067.7	1961.5	1856.0	1749.8
12.5°	2597.9	2507.5	2417.2	2320.7	2224.2	2127.7	2031.1	1950.5	1869.1	1788.4	1707.1
15°	2646.1	2542.7	2438.6	2328.3	2218.0	2107.7	1997.3	1902.2	1807.7	1712.6	1617.5
17.5°	2929.5	2781.3	2633.0	2463.4	2293.8	2124.2	1954.6	1844.3	1734.7	1624.4	1514.0
20°	3293.5	3083.2	2872.3	2642.7	2413.1	2183.5	1953.9	1816.7	1679.5	1542.3	1405.1
22.5°	3716.8	3454.2	3190.8	2907.4	2624.7	2341.4	2058.0	1860.8	1663.7	1466.5	1269.3
25°	4142.9	3905.8	3668.6	3287.3	2906.0	2524.1	2142.8	1892.5	1641.6	1391.3	1140.4
27.5°	4912.4	4488.3	4064.3	3579.0	3094.3	2608.9	2123.5	1836.7	1549.9	1262.4	975.6
30°	5415.7	5089.5	4762.7	4121.6	3481.0	2839.9	2198.7	1835.3	1472.0	1108.0	744.6
32.5°	6017.5	5540.4	5062.7	4367.0	3671.3	2975.7	2280.0	1853.3	1425.8	999.0	571.6
35°	6693.9	6174.7	5655.6	4774.5	3893.3	3011.5	2130.4	1716.7	1303.1	889.4	475.7
37.5°	7888.7	7020.0	6151.3	5124.0	4096.0	3068.8	2040.8	1627.8	1214.1	801.1	387.5
40°	8567.1	7737.7	6908.3	5624.6	4340.8	3057.0	1773.3	1406.5	1040.4	673.6	306.8
42.5°	9449.6	8397.5	7344.7	5910.0	4475.2	3040.5	1605.7	1266.5	927.3	587.4	248.2
45°	9972.9	8780.9	7588.8	6034.1	4479.4	2924.7	1369.9	1076.2	782.5	488.8	195.1
47.5°	10303.2	9107.7	7912.2	6243.0	4574.5	2905.4	1236.2	965.9	695.7	425.4	155.1
50°	10470.7	9271.8	8072.1	6356.8	4641.4	2925.4	1210.0	941.1	671.5	402.6	133.1
52.5°	10645.2	9488.9	8332.0	6553.9	4775.8	2997.7	1219.6	945.2	671.5	397.1	122.7
55°	10997.5	9857.1	8716.1	6836.6	4957.2	3077.7	1198.3	928.0	657.7	386.8	116.5
57.5°	11430.4	10211.5	8991.8	7043.5	5095.1	3146.7	1198.3	926.6	655.0	382.6	111.0
60°	11348.4	10025.3	8701.6	6811.1	4920.6	3029.5	1139.0	880.4	622.6	364.0	105.5
62.5°	10785.1	9349.0	7912.2	6165.1	4417.3	2670.3	922.5	716.3	510.2	303.4	97.2
65°	10123.2	8598.9	7073.8	5466.0	3857.5	2249.7	641.2	503.3	364.7	226.8	88.3
67.5°	9326.2	7700.5	6074.8	4644.8	3215.6	1785.7	355.8	286.8	217.9	148.2	79.3
70°	7943.2	6265.1	4586.2	3487.3	2389.0	1290.0	191.0	161.3	131.7	102.0	72.4
72.5°	5963.1	4425.6	2888.1	2193.8	1500.3	806.0	111.7	100.7	88.9	77.9	66.2
75°	4057.4	2905.4	1753.3	1334.8	917.0	498.5	80.0	74.5	68.3	62.7	56.5
77.5°	2758.5	1995.3	1232.1	940.4	648.8	357.1	65.5	62.1	58.6	54.5	51.0
80°	1722.3	1179.0	635.7	489.5	342.7	196.5	49.6	47.6	45.5	42.7	40.7
82.5°	1204.5	720.5	236.5	184.8	133.1	80.7	29.0	29.6	30.3	30.3	31.0
85°	505.4	273.0	40.7	34.5	28.3	22.1	15.9	17.2	19.3	20.7	22.1
87.5°	9.0	4.8	0.0	1.4	3.4	4.8	6.2	8.3	9.7	11.7	13.1
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°	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5
2.5°	1650.6	1660.9	1670.5	1680.9	1672.6	1665.0	1656.8	1648.5	1636.1	1624.4	1611.9
5°	2008.4	1973.9	1939.4	1905.0	1852.6	1800.2	1747.1	1694.7	1688.5	1682.3	1675.4
7.5°	1886.3	1805.7	1724.3	1643.7	1567.8	1492.0	1416.1	1340.3	1316.9	1294.1	1270.7
10°	1687.8	1625.7	1563.0	1500.9	1446.5	1391.3	1336.8	1281.7	1224.5	1167.2	1109.3
12.5°	1642.3	1577.5	1512.0	1447.2	1397.5	1347.9	1298.2	1248.6	1184.5	1120.4	1056.2
15°	1547.1	1476.8	1406.5	1336.2	1270.0	1203.8	1136.9	1070.7	993.5	916.3	839.1
17.5°	1430.6	1347.9	1264.5	1181.0	1094.2	1007.3	920.4	833.5	744.6	656.4	567.4
20°	1292.0	1179.0	1065.2	952.1	844.6	737.0	628.8	521.2	465.4	410.2	354.4
22.5°	1123.1	976.3	830.1	683.2	595.0	506.1	417.8	328.9	304.7	280.6	256.5
25°	974.2	808.0	641.9	475.7	419.9	364.0	308.2	252.3	241.3	229.6	218.6
27.5°	819.1	663.3	506.7	350.2	318.5	286.1	254.4	222.0	214.4	207.5	199.9
30°	628.1	511.6	394.4	277.8	257.2	236.5	215.1	194.4	191.0	186.8	183.4
32.5°	486.8	401.3	316.5	231.0	219.2	207.5	195.8	184.1	178.6	173.1	166.8
35°	406.8	338.5	269.6	200.6	192.4	183.4	175.1	166.2	160.6	154.4	148.9
37.5°	337.1	287.5	237.2	186.8	177.9	168.9	159.3	150.3	146.2	142.0	137.9
40°	277.8	248.9	219.9	191.0	177.9	164.8	151.7	138.6	135.1	131.7	128.2
42.5°	229.6	211.0	191.7	173.1	163.4	154.4	144.8	135.1	130.3	124.8	120.0
45°	185.5	175.1	165.5	155.1	155.8	156.5	156.5	157.2	144.8	131.7	119.3
47.5°	150.3	145.5	140.0	135.1	140.6	146.2	151.0	156.5	143.4	130.3	116.5
50°	128.9	125.5	121.3	117.2	122.7	128.9	134.4	140.0	134.4	129.6	124.1
52.5°	117.9	113.1	108.2	103.4	105.5	108.2	110.3	112.4	112.4	112.4	112.4
55°	111.0	106.2	100.7	95.1	93.1	90.3	88.3	85.5	82.0	79.3	75.8
57.5°	105.5	100.0	93.8	88.3	84.8	80.7	77.2	73.1	69.6	65.5	62.1
60°	100.0	94.5	88.3	82.7	79.3	75.8	71.7	68.3	64.1	60.7	56.5
62.5°	92.4	87.6	82.7	77.9	74.5	71.7	68.3	64.8	60.7	56.5	51.7
65°	84.1	80.7	76.5	72.4	68.9	65.5	62.1	58.6	54.5	51.0	46.9
67.5°	76.5	73.1	70.3	66.9	62.7	59.3	55.2	51.0	48.3	45.5	42.1
70°	70.3	67.6	65.5	62.7	58.6	55.2	51.0	46.9	44.8	42.1	40.0
72.5°	64.1	62.1	59.3	57.2	53.8	50.3	46.9	43.4	41.4	39.3	37.2
75°	55.2	53.8	52.4	51.0	47.6	44.1	40.0	36.5	35.9	35.2	34.5
77.5°	49.6	49.0	47.6	46.2	42.7	39.3	35.9	32.4	33.1	33.8	33.8
80°	40.7	40.7	40.0	40.0	37.2	34.5	31.0	28.3	29.6	31.7	33.1
82.5°	31.0	31.0	31.0	31.0	28.3	25.5	22.8	20.0	22.1	23.4	25.5
85°	21.4	20.7	20.0	19.3	17.2	15.9	13.8	11.7	14.5	16.5	19.3
87.5°	13.1	13.8	13.8	13.8	12.4	10.3	9.0	6.9	8.3	9.0	10.3
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: P367953
 CATALOG NUMBER: MSA-SA3C-730-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: P367953
 CATALOG NUMBER: MSA-SA3C-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5
2.5°	1599.5	1578.8	1558.2	1536.8	1516.1	1467.8	1419.6	1371.3	1323.1	1358.9	1394.1
5°	1669.2	1629.2	1588.5	1548.5	1507.8	1489.9	1472.7	1454.7	1436.8	1439.6	1443.0
7.5°	1247.2	1221.0	1194.8	1167.9	1141.7	1136.2	1131.4	1125.9	1120.4	1132.1	1143.1
10°	1052.1	1015.6	978.3	941.8	904.6	884.6	864.6	844.6	824.6	822.5	819.8
12.5°	992.1	936.3	881.1	825.3	769.4	726.0	682.6	639.1	595.7	599.1	602.6
15°	761.8	706.0	650.8	595.0	539.2	504.0	468.1	433.0	397.1	386.8	376.4
17.5°	478.5	437.1	395.7	353.7	312.3	300.6	289.6	277.8	266.1	262.7	259.2
20°	298.5	280.6	262.7	244.1	226.1	223.4	220.6	217.9	215.1	217.2	219.2
22.5°	232.3	224.8	216.5	208.9	200.6	197.9	195.1	192.4	189.6	191.7	193.0
25°	206.8	201.3	195.8	190.3	184.8	182.0	178.6	175.8	172.4	173.7	175.8
27.5°	192.4	187.5	182.7	177.9	173.1	168.2	164.1	159.3	154.4	157.2	159.3
30°	179.3	173.7	168.9	163.4	157.9	153.1	148.2	142.7	137.9	140.6	143.4
32.5°	161.3	156.5	151.0	146.2	140.6	137.9	135.1	131.7	128.9	131.0	132.4
35°	142.7	138.6	135.1	131.0	126.9	124.1	122.0	119.3	116.5	117.2	118.6
37.5°	133.8	128.9	124.1	119.3	114.4	113.1	111.7	109.6	108.2	108.2	108.2
40°	124.8	120.0	115.1	109.6	104.8	102.7	100.7	98.6	96.5	96.5	96.5
42.5°	114.4	109.6	104.8	100.0	95.1	93.1	90.3	88.3	85.5	85.5	85.5
45°	106.2	101.3	97.2	92.4	87.6	84.1	80.7	76.5	73.1	72.4	71.7
47.5°	103.4	96.5	89.6	82.7	75.8	72.4	68.9	64.8	61.4	60.7	60.0
50°	118.6	104.8	91.0	77.2	63.4	60.7	57.9	55.2	52.4	51.0	50.3
52.5°	112.4	97.9	83.4	68.9	54.5	52.4	50.3	48.3	46.2	44.8	43.4
55°	72.4	66.2	60.7	54.5	48.3	46.9	45.5	43.4	42.1	40.7	39.3
57.5°	57.9	54.5	51.7	48.3	44.8	43.4	42.1	40.0	38.6	36.5	35.2
60°	52.4	49.6	46.9	44.1	41.4	40.0	38.6	37.2	35.9	33.8	32.4
62.5°	47.6	45.5	43.4	41.4	39.3	37.9	36.5	35.2	33.8	31.7	29.6
65°	42.7	41.4	40.0	38.6	37.2	35.9	34.5	32.4	31.0	29.0	26.9
67.5°	39.3	38.6	37.9	37.2	36.5	35.2	33.1	31.7	29.6	27.6	24.8
70°	37.2	37.2	37.2	36.5	36.5	35.2	33.1	31.7	29.6	26.9	24.8
72.5°	35.2	35.9	36.5	36.5	37.2	35.2	33.1	31.0	29.0	26.2	24.1
75°	33.8	34.5	35.2	35.2	35.9	34.5	33.1	31.0	29.6	26.9	24.1
77.5°	34.5	35.2	35.2	35.9	35.9	34.5	33.1	31.0	29.6	26.2	22.8
80°	34.5	33.8	33.1	31.7	31.0	28.3	25.5	22.1	19.3	15.2	11.7
82.5°	26.9	25.5	24.8	23.4	22.1	19.3	16.5	13.8	11.0	8.3	5.5
85°	21.4	20.0	19.3	17.9	16.5	14.5	11.7	9.7	6.9	5.5	3.4
87.5°	11.0	10.3	9.0	8.3	6.9	5.5	3.4	2.1	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367953
 CATALOG NUMBER: MSA-SA3C-730-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: P367953
 CATALOG NUMBER: MSA-SA3C-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5
2.5°	1429.9	1465.1	1460.3	1455.4	1478.2	1500.9	1484.4	1468.5	1452.0	1435.4	1401.0
5°	1445.8	1448.5	1443.7	1438.2	1438.9	1439.6	1428.5	1417.5	1406.5	1395.5	1393.4
7.5°	1154.8	1165.9	1181.0	1195.5	1196.2	1196.2	1187.9	1179.7	1170.7	1162.4	1166.6
10°	817.7	814.9	819.1	823.2	822.5	821.1	843.2	865.3	886.6	908.7	892.8
12.5°	605.3	608.8	591.6	574.3	580.5	586.0	589.5	592.9	596.4	599.8	609.5
15°	366.1	355.8	343.3	330.9	337.1	342.7	348.9	354.4	360.6	366.1	372.3
17.5°	255.1	251.7	246.1	239.9	240.6	241.3	242.0	242.7	242.7	243.4	244.8
20°	221.3	223.4	219.2	214.4	213.0	211.0	209.6	208.2	206.1	204.8	202.7
22.5°	195.1	196.5	197.2	197.2	194.4	191.0	188.2	186.2	183.4	180.6	179.3
25°	177.2	178.6	177.2	175.1	173.7	172.4	171.0	168.9	167.5	165.5	164.8
27.5°	162.0	164.1	164.1	163.4	162.0	160.0	156.5	153.7	150.3	146.9	147.5
30°	146.2	148.9	148.9	148.2	147.5	146.9	143.4	140.0	136.5	133.1	134.4
32.5°	134.4	135.8	135.1	134.4	134.4	133.8	131.0	128.9	126.2	123.4	123.4
35°	119.3	120.0	120.0	120.0	120.0	119.3	117.2	115.1	113.1	111.0	111.7
37.5°	108.2	108.2	110.3	111.7	110.3	108.9	107.6	105.5	104.1	102.0	102.0
40°	95.8	95.8	97.9	99.3	97.9	96.5	95.8	94.5	93.8	92.4	92.4
42.5°	84.8	84.8	86.9	88.3	88.3	87.6	86.2	84.8	83.4	82.0	82.7
45°	71.0	70.3	73.8	76.5	75.2	73.8	73.8	73.1	73.1	72.4	73.1
47.5°	58.6	57.9	60.7	63.4	62.7	61.4	61.4	61.4	61.4	61.4	62.1
50°	49.0	47.6	50.3	52.4	51.7	50.3	50.3	51.0	51.0	51.0	51.7
52.5°	42.1	40.7	42.7	44.1	43.4	42.7	42.7	43.4	43.4	43.4	44.1
55°	37.2	35.9	37.9	39.3	38.6	37.2	37.9	37.9	38.6	38.6	38.6
57.5°	33.1	31.0	32.4	33.8	33.8	33.1	33.8	33.8	34.5	34.5	34.5
60°	30.3	28.3	29.6	30.3	30.3	29.6	30.3	30.3	31.0	31.0	31.0
62.5°	26.9	24.8	26.2	26.9	26.9	26.2	26.9	26.9	27.6	27.6	27.6
65°	24.1	22.1	22.8	23.4	23.4	23.4	24.1	24.1	24.8	24.8	24.8
67.5°	22.8	20.0	20.7	21.4	21.4	21.4	22.1	22.1	22.8	22.8	23.4
70°	22.1	19.3	20.0	20.0	20.7	20.7	20.7	21.4	21.4	21.4	21.4
72.5°	21.4	18.6	18.6	18.6	19.3	19.3	19.3	20.0	20.0	20.0	20.0
75°	21.4	18.6	17.9	17.2	17.9	17.9	17.9	18.6	18.6	18.6	18.6
77.5°	18.6	15.2	13.8	11.7	13.8	15.2	15.9	15.9	16.5	16.5	16.5
80°	7.6	3.4	2.1	0.0	0.7	1.4	2.1	2.8	3.4	4.1	4.8
82.5°	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367953
 CATALOG NUMBER: MSA-SA3C-730-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: P367953
 CATALOG NUMBER: MSA-SA3C-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5
2.5°	1366.5	1332.0	1297.6	1314.1	1330.6	1347.2	1363.7	1362.4	1360.3	1358.9	1356.8
5°	1392.0	1389.9	1387.9	1378.2	1369.3	1359.6	1349.9	1347.9	1345.1	1343.1	1340.3
7.5°	1170.7	1174.1	1178.3	1167.2	1156.2	1145.2	1134.2	1105.9	1077.6	1048.7	1020.4
10°	877.0	860.4	844.6	843.2	841.8	840.4	839.1	836.3	833.5	830.1	827.3
12.5°	619.8	629.5	639.1	635.7	632.2	628.1	624.6	629.5	635.0	639.8	644.6
15°	377.8	384.0	389.5	402.0	414.4	426.8	439.2	444.0	449.5	454.3	459.2
17.5°	246.1	246.8	248.2	262.0	275.1	288.9	302.0	310.9	319.9	328.2	337.1
20°	200.6	198.6	196.5	204.1	211.7	219.2	226.8	235.1	243.4	251.7	259.9
22.5°	178.6	177.2	175.8	178.6	181.3	183.4	186.2	192.4	199.3	205.5	211.7
25°	164.1	162.7	162.0	163.4	164.8	166.2	167.5	171.0	174.4	177.9	181.3
27.5°	147.5	148.2	148.2	149.6	150.3	151.7	152.4	153.7	155.8	157.2	158.6
30°	135.1	136.5	137.2	138.6	139.3	140.6	141.3	140.6	140.0	139.3	138.6
32.5°	123.4	122.7	122.7	124.1	124.8	126.2	126.9	128.2	129.6	130.3	131.7
35°	111.7	112.4	112.4	112.4	113.1	113.1	113.1	114.4	116.5	117.9	119.3
37.5°	101.3	101.3	100.7	102.7	104.1	106.2	107.6	108.9	111.0	112.4	113.8
40°	92.4	92.4	92.4	93.8	95.1	95.8	97.2	100.7	104.1	107.6	111.0
42.5°	82.7	83.4	83.4	84.8	86.2	86.9	88.3	91.0	93.1	95.8	97.9
45°	73.8	74.5	75.2	76.5	77.2	78.6	79.3	80.7	81.4	82.7	83.4
47.5°	63.4	64.1	64.8	66.2	66.9	68.3	68.9	68.3	68.3	67.6	66.9
50°	53.1	53.8	54.5	56.5	57.9	60.0	61.4	60.0	58.6	56.5	55.2
52.5°	44.8	44.8	45.5	46.9	48.3	49.0	50.3	49.6	49.0	48.3	47.6
55°	38.6	38.6	38.6	39.3	40.0	40.7	41.4	42.1	42.1	42.7	42.7
57.5°	34.5	33.8	33.8	34.5	35.2	35.2	35.9	36.5	36.5	37.2	37.2
60°	31.0	30.3	30.3	31.0	31.7	32.4	33.1	33.1	33.1	32.4	32.4
62.5°	27.6	27.6	27.6	28.3	28.3	29.0	29.0	29.0	29.6	29.6	29.6
65°	25.5	25.5	25.5	25.5	25.5	24.8	24.8	25.5	25.5	26.2	26.2
67.5°	23.4	24.1	24.1	23.4	22.8	22.1	21.4	22.1	22.1	22.8	22.8
70°	21.4	21.4	21.4	20.7	20.0	19.3	18.6	18.6	18.6	17.9	17.9
72.5°	20.0	19.3	19.3	18.6	17.2	16.5	15.2	14.5	14.5	13.8	13.1
75°	18.6	17.9	17.9	16.5	15.2	13.8	12.4	11.7	10.3	9.7	8.3
77.5°	16.5	16.5	16.5	14.5	13.1	11.0	9.0	7.6	6.2	4.1	2.8
80°	5.5	6.2	6.9	6.2	6.2	5.5	4.8	3.4	2.8	1.4	0.0
82.5°	0.7	0.7	0.7	0.7	0.7	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: P367953
 CATALOG NUMBER: MSA-SA3C-730-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: P367953
 CATALOG NUMBER: MSA-SA3C-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5
2.5°	1364.4	1372.0	1379.6	1387.2	1387.9	1388.6	1389.2	1389.9	1372.7	1354.8	1337.5
5°	1354.1	1368.6	1382.4	1396.1	1388.6	1381.0	1373.4	1365.8	1365.1	1365.1	1364.4
7.5°	1022.5	1023.8	1025.9	1027.3	1030.0	1032.8	1034.9	1037.6	1048.7	1059.7	1070.0
10°	818.4	809.4	799.8	790.8	783.9	776.3	769.4	761.8	767.4	773.6	779.1
12.5°	637.1	629.5	621.2	613.6	610.9	608.1	604.7	601.9	619.8	637.7	655.0
15°	457.8	456.4	454.3	453.0	461.9	470.9	479.9	488.8	504.0	518.5	533.6
17.5°	340.6	344.0	347.5	350.9	356.4	362.0	366.8	372.3	383.3	395.1	406.1
20°	264.1	268.9	273.0	277.2	275.8	274.4	272.3	271.0	279.9	288.9	297.2
22.5°	215.8	219.2	223.4	226.8	227.5	228.2	228.9	229.6	235.1	239.9	245.4
25°	184.8	188.9	192.4	195.8	196.5	197.2	197.9	198.6	205.5	212.4	218.6
27.5°	163.4	167.5	172.4	176.5	177.9	179.3	180.6	182.0	186.2	189.6	193.7
30°	144.1	149.6	155.1	160.6	162.7	164.8	166.8	168.9	173.1	177.9	182.0
32.5°	134.4	137.9	140.6	143.4	148.2	152.4	157.2	161.3	166.2	171.7	176.5
35°	123.4	126.9	131.0	134.4	137.9	141.3	144.1	147.5	150.3	153.1	155.1
37.5°	116.5	120.0	122.7	125.5	126.9	128.2	128.9	130.3	131.7	133.1	133.8
40°	111.0	110.3	110.3	109.6	111.0	113.1	114.4	115.8	120.0	123.4	127.5
42.5°	96.5	94.5	93.1	91.0	94.5	97.2	100.7	103.4	108.9	114.4	120.0
45°	82.0	80.7	78.6	77.2	82.0	86.9	91.7	96.5	102.7	108.2	114.4
47.5°	67.6	68.3	68.3	68.9	73.8	78.6	82.7	87.6	93.8	100.0	106.2
50°	56.5	57.9	59.3	60.7	65.5	69.6	74.5	78.6	85.5	91.7	98.6
52.5°	49.6	51.7	53.1	55.2	59.3	64.1	68.3	72.4	78.6	84.8	91.0
55°	44.8	47.6	49.6	51.7	55.2	58.6	62.1	65.5	71.7	77.9	83.4
57.5°	39.3	41.4	43.4	45.5	49.0	52.4	55.2	58.6	64.1	70.3	75.8
60°	34.5	35.9	37.9	39.3	42.1	45.5	48.3	51.0	56.5	62.1	66.9
62.5°	30.3	31.7	32.4	33.1	35.9	38.6	41.4	44.1	49.0	54.5	59.3
65°	26.9	27.6	27.6	28.3	30.3	33.1	35.2	37.2	42.7	47.6	53.1
67.5°	22.8	23.4	23.4	23.4	25.5	27.6	29.6	31.7	36.5	42.1	46.9
70°	17.9	18.6	18.6	18.6	20.7	23.4	25.5	27.6	31.7	35.9	40.0
72.5°	13.8	13.8	14.5	14.5	16.5	19.3	21.4	23.4	26.9	30.3	33.8
75°	9.0	9.7	9.7	10.3	12.4	15.2	17.2	19.3	22.8	26.2	29.0
77.5°	3.4	4.8	5.5	6.2	8.3	10.3	12.4	14.5	17.2	20.7	23.4
80°	0.0	0.7	0.7	0.7	2.1	2.8	4.1	4.8	6.9	9.7	11.7
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: P367953
 CATALOG NUMBER: MSA-SA3C-730-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: P367953
 CATALOG NUMBER: MSA-SA3C-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5
2.5°	1319.6	1357.5	1395.5	1433.4	1471.3	1518.2	1565.1	1572.0	1578.8	1570.6	1563.0
5°	1363.7	1382.4	1400.3	1418.9	1436.8	1490.6	1543.7	1544.4	1544.4	1545.1	1545.1
7.5°	1081.1	1096.9	1112.8	1127.9	1143.8	1179.0	1214.1	1227.2	1239.6	1236.9	1234.1
10°	784.6	805.3	825.3	846.0	866.0	898.4	930.8	943.2	954.9	992.8	1031.4
12.5°	672.9	692.9	712.9	732.2	752.2	785.3	818.4	842.5	866.0	889.4	912.8
15°	548.1	564.0	580.5	596.4	612.2	627.4	642.6	672.2	701.2	724.6	748.1
17.5°	417.1	424.0	430.2	437.1	443.3	450.2	457.1	469.5	481.2	501.9	521.9
20°	306.1	311.6	317.1	322.0	327.5	334.4	341.3	350.2	358.5	363.3	367.5
22.5°	250.3	258.5	266.8	274.4	282.7	287.5	292.3	295.1	297.8	299.9	302.0
25°	225.5	233.0	239.9	247.5	254.4	256.5	258.5	264.1	269.6	269.6	269.6
27.5°	197.2	207.5	218.6	228.9	239.2	242.0	244.1	246.1	247.5	244.8	241.3
30°	186.2	196.5	206.8	216.5	226.8	231.0	234.4	236.5	238.6	235.1	231.7
32.5°	181.3	191.0	199.9	209.6	218.6	224.1	228.9	234.4	239.2	239.9	241.3
35°	157.9	164.1	171.0	177.2	183.4	186.2	188.9	191.0	192.4	192.4	192.4
37.5°	135.1	143.4	152.4	160.6	168.9	175.1	181.3	182.0	182.0	183.4	185.5
40°	131.0	139.3	147.5	155.1	163.4	170.3	176.5	177.2	177.9	179.3	180.6
42.5°	125.5	134.4	143.4	152.4	161.3	168.2	174.4	174.4	173.7	175.8	177.2
45°	120.0	128.9	137.2	146.2	154.4	163.4	171.7	169.6	166.8	170.3	173.1
47.5°	112.4	122.0	131.7	140.6	150.3	158.6	166.2	164.8	162.7	166.2	169.6
50°	104.8	114.4	124.1	133.8	143.4	152.4	160.6	159.3	157.9	162.0	165.5
52.5°	97.2	106.9	117.2	126.9	136.5	144.1	151.0	150.3	149.6	153.7	158.6
55°	89.6	98.6	108.2	117.2	126.2	134.4	142.0	140.6	139.3	142.7	146.2
57.5°	81.4	90.3	98.6	107.6	115.8	122.7	128.9	126.9	124.8	128.9	133.1
60°	72.4	80.7	88.9	96.5	104.8	110.3	115.1	113.8	111.7	115.8	120.0
62.5°	64.1	71.7	79.3	86.2	93.8	97.9	102.0	100.7	99.3	103.4	108.2
65°	57.9	64.1	69.6	75.8	81.4	85.5	89.6	87.6	85.5	90.3	94.5
67.5°	51.7	56.5	62.1	66.9	71.7	75.2	78.6	77.2	75.2	78.6	82.0
70°	44.1	49.0	53.8	57.9	62.7	66.2	69.6	67.6	64.8	68.3	71.7
72.5°	37.2	41.4	45.5	49.0	53.1	55.8	58.6	56.5	54.5	57.2	60.0
75°	32.4	35.9	39.3	42.1	45.5	46.9	48.3	47.6	46.2	49.0	51.0
77.5°	26.2	29.0	32.4	35.2	37.9	37.9	37.9	38.6	38.6	41.4	44.8
80°	13.8	16.5	19.3	21.4	24.1	24.1	23.4	24.8	25.5	29.0	32.4
82.5°	0.0	2.1	4.1	6.2	8.3	7.6	6.2	6.9	6.9	8.3	9.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367953
 CATALOG NUMBER: MSA-SA3C-730-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: P367953
 CATALOG NUMBER: MSA-SA3C-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5
2.5°	1554.7	1546.4	1540.9	1536.1	1530.6	1525.1	1532.0	1538.9	1545.1	1552.0	1572.6
5°	1545.8	1545.8	1540.9	1536.1	1531.3	1526.4	1536.8	1546.4	1556.8	1566.4	1565.7
7.5°	1230.7	1227.9	1256.9	1285.1	1314.1	1342.4	1349.9	1357.5	1364.4	1372.0	1369.9
10°	1069.3	1107.3	1119.7	1132.1	1144.5	1156.9	1172.1	1187.2	1202.4	1217.6	1223.1
12.5°	936.3	959.7	999.7	1039.0	1079.0	1118.3	1138.3	1159.0	1179.0	1199.0	1238.3
15°	771.5	794.9	829.4	863.9	898.4	932.8	964.5	996.9	1028.7	1060.4	1108.0
17.5°	542.6	562.6	588.8	615.0	640.5	666.7	715.7	764.6	813.6	862.5	912.8
20°	372.3	376.4	388.9	402.0	414.4	426.8	470.9	515.7	559.8	604.0	670.1
22.5°	303.4	305.4	311.6	317.8	323.4	329.6	352.3	375.8	398.5	421.3	475.0
25°	268.9	268.9	273.0	277.2	281.3	285.4	297.8	310.3	322.0	334.4	368.9
27.5°	238.6	235.1	241.3	247.5	253.7	259.9	268.9	278.5	287.5	296.5	319.9
30°	228.2	224.8	232.3	239.9	247.5	255.1	264.1	273.0	281.3	290.3	306.1
32.5°	242.0	242.7	245.4	248.2	250.3	253.0	257.2	262.0	266.1	270.3	284.1
35°	192.4	192.4	197.2	202.0	206.1	211.0	218.6	226.1	233.7	241.3	255.8
37.5°	186.8	188.2	192.4	197.2	201.3	205.5	215.1	225.5	235.1	244.8	256.5
40°	181.3	182.7	188.2	193.7	199.3	204.8	214.4	223.4	233.0	242.0	253.0
42.5°	179.3	180.6	187.5	195.1	202.0	208.9	217.2	225.5	233.0	241.3	256.5
45°	176.5	179.3	187.5	196.5	204.8	213.0	220.6	228.2	235.8	243.4	262.0
47.5°	172.4	175.8	185.5	194.4	204.1	213.0	227.5	242.7	257.2	271.6	280.6
50°	169.6	173.1	183.4	193.7	204.1	214.4	237.9	261.3	284.1	307.5	302.7
52.5°	162.7	166.8	179.9	193.0	206.1	219.2	239.9	260.6	281.3	302.0	292.3
55°	149.6	153.1	168.2	183.4	197.9	213.0	228.2	243.4	257.9	273.0	262.0
57.5°	136.5	140.6	155.1	169.6	183.4	197.9	205.5	213.0	220.6	228.2	224.1
60°	124.1	128.2	147.5	166.8	186.2	205.5	198.6	191.7	184.1	177.2	182.0
62.5°	112.4	116.5	135.1	153.1	171.7	189.6	179.9	170.3	160.6	151.0	158.6
65°	99.3	103.4	110.3	117.9	124.8	131.7	131.0	129.6	128.9	127.5	135.8
67.5°	85.5	88.9	92.4	96.5	100.0	103.4	105.5	108.2	110.3	112.4	119.3
70°	74.5	77.9	82.0	85.5	89.6	93.1	94.5	95.8	96.5	97.9	104.1
72.5°	62.1	64.8	70.3	75.8	80.7	86.2	86.9	86.9	87.6	87.6	92.4
75°	53.8	55.8	60.0	64.1	67.6	71.7	73.8	75.8	77.2	79.3	82.0
77.5°	47.6	50.3	51.7	52.4	53.8	54.5	55.8	57.2	58.6	60.0	60.7
80°	35.2	38.6	40.0	40.7	42.1	42.7	42.7	42.1	42.1	41.4	42.1
82.5°	11.0	12.4	14.5	16.5	18.6	20.7	21.4	22.1	22.1	22.8	22.1
85°	2.1	2.8	4.1	5.5	6.2	7.6	6.9	5.5	4.8	3.4	2.8
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: P367953
 CATALOG NUMBER: MSA-SA3C-730-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: P367953
 CATALOG NUMBER: MSA-SA3C-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5
2.5°	1593.3	1613.3	1634.0	1625.7	1617.5	1609.2	1600.9	1602.3	1604.4	1605.7	1607.1
5°	1565.1	1563.7	1563.0	1586.4	1610.6	1634.0	1657.4	1683.0	1709.2	1734.7	1760.2
7.5°	1367.9	1365.1	1363.0	1393.4	1423.7	1454.1	1484.4	1519.6	1555.4	1590.6	1625.7
10°	1228.6	1234.1	1239.6	1252.0	1265.1	1277.6	1290.0	1323.8	1357.5	1390.6	1424.4
12.5°	1277.6	1316.2	1355.5	1363.0	1369.9	1377.5	1384.4	1389.2	1394.1	1398.9	1403.7
15°	1156.2	1203.8	1251.4	1271.4	1290.7	1310.7	1330.0	1381.0	1431.3	1482.3	1532.7
17.5°	963.2	1012.8	1063.1	1123.1	1183.1	1243.1	1303.1	1358.2	1413.4	1468.5	1523.7
20°	737.0	803.2	869.4	945.2	1021.8	1097.6	1173.4	1228.6	1283.1	1338.2	1392.7
22.5°	529.5	583.3	637.1	728.8	819.8	911.5	1002.5	1098.3	1194.8	1290.7	1386.5
25°	403.3	437.1	471.6	561.9	652.2	741.9	832.2	963.9	1095.5	1227.2	1358.9
27.5°	342.7	366.1	388.9	470.2	551.6	632.2	713.6	870.1	1026.6	1183.1	1339.6
30°	322.7	338.5	354.4	423.3	493.0	561.9	630.8	789.4	948.0	1106.6	1265.1
32.5°	297.8	310.9	324.7	385.4	446.1	506.1	566.7	721.9	877.0	1031.4	1186.5
35°	269.6	284.1	297.8	358.5	419.2	479.2	539.8	700.5	861.1	1021.8	1182.4
37.5°	267.5	279.2	290.3	360.6	431.6	501.9	572.2	732.9	893.5	1053.5	1214.1
40°	264.8	275.8	286.8	358.5	429.5	501.2	572.2	740.5	908.7	1076.9	1245.2
42.5°	271.6	286.1	301.3	364.7	428.2	490.9	554.3	731.5	908.7	1085.2	1262.4
45°	281.3	299.9	318.5	376.4	434.4	492.3	550.2	742.5	934.9	1126.6	1318.9
47.5°	290.3	299.2	308.2	363.3	417.8	473.0	527.4	723.9	920.4	1116.9	1313.4
50°	298.5	293.7	288.9	349.6	410.2	470.2	530.9	718.4	905.3	1092.8	1279.6
52.5°	282.0	272.3	262.0	326.8	391.6	455.7	520.5	709.4	898.4	1087.3	1276.2
55°	251.0	239.9	228.9	293.0	356.4	420.6	484.0	672.2	860.4	1048.7	1236.9
57.5°	219.2	215.1	210.3	259.2	308.2	356.4	405.4	614.3	823.9	1032.8	1241.7
60°	186.8	191.0	195.8	231.0	266.1	300.6	335.8	540.5	744.6	949.4	1153.5
62.5°	165.5	173.1	179.9	209.6	239.9	269.6	299.2	492.3	685.3	878.4	1071.4
65°	144.8	153.1	161.3	196.5	232.3	267.5	302.7	466.1	629.5	792.9	956.3
67.5°	126.2	132.4	139.3	185.5	231.7	277.8	324.0	457.8	590.9	724.6	857.7
70°	110.3	115.8	122.0	175.8	229.6	283.4	337.1	450.9	565.4	679.1	792.9
72.5°	97.2	102.0	106.9	161.3	215.8	270.3	324.7	426.1	526.7	628.1	728.8
75°	84.8	86.9	89.6	135.8	181.3	227.5	273.0	340.6	408.8	476.4	544.0
77.5°	61.4	61.4	62.1	75.8	88.9	102.7	115.8	157.9	199.9	241.3	283.4
80°	42.1	42.7	42.7	48.3	53.1	58.6	63.4	72.4	80.7	89.6	97.9
82.5°	21.4	20.0	19.3	24.8	30.3	35.9	41.4	43.4	44.8	46.9	48.3
85°	2.1	0.7	0.0	3.4	6.9	10.3	13.8	16.5	19.3	22.1	24.8
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: P367953
 CATALOG NUMBER: MSA-SA3C-730-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: P367953

CATALOG NUMBER: MSA-SA3C-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5
2.5°	1601.6	1596.1	1590.6	1585.1	1618.8	1653.3	1687.1	1720.9	1816.7	1879.4	1872.6
5°	1785.0	1809.8	1834.6	1859.5	1899.4	1940.1	1980.1	2020.1	2162.1	2249.0	2261.4
7.5°	1664.3	1702.3	1740.9	1778.8	1856.0	1932.5	2009.8	2086.3	2202.8	2293.1	2344.1
10°	1467.8	1511.3	1554.0	1597.5	1684.3	1771.9	1858.8	1945.6	2076.6	2201.4	2265.5
12.5°	1472.0	1540.2	1608.5	1676.8	1752.6	1828.4	1903.6	1979.4	2059.4	2101.5	2191.8
15°	1586.4	1640.2	1694.0	1747.8	1847.0	1946.3	2044.9	2144.2	2191.8	2293.1	2398.6
17.5°	1628.5	1734.0	1838.8	1943.6	2067.7	2191.1	2315.2	2438.6	2528.2	2668.9	2777.8
20°	1550.6	1708.5	1865.7	2023.5	2193.8	2364.1	2534.4	2704.7	2802.6	2936.4	3104.6
22.5°	1554.0	1721.6	1888.4	2055.9	2291.1	2525.5	2760.6	2995.0	3257.7	3515.5	3597.6
25°	1578.2	1797.4	2016.0	2235.2	2506.9	2778.5	3050.1	3321.8	3638.9	3909.9	4018.8
27.5°	1586.4	1833.3	2079.4	2326.2	2712.3	3098.4	3484.5	3870.6	4249.1	4555.2	4671.7
30°	1566.4	1868.4	2169.7	2471.0	2944.7	3418.3	3892.0	4365.6	4724.8	5081.3	5226.1
32.5°	1571.3	1956.0	2340.7	2725.4	3283.2	3841.6	4399.4	4957.2	5186.8	5508.0	5763.1
35°	1604.4	2026.3	2447.6	2869.5	3486.6	4103.6	4720.7	5337.7	5714.2	6053.4	6269.9
37.5°	1681.6	2149.0	2615.8	3083.2	3841.6	4600.7	5359.1	6117.5	6700.1	7282.7	7382.0
40°	1738.8	2232.4	2726.1	3219.7	4100.2	4980.6	5861.0	6741.5	7400.6	8032.8	8100.4
42.5°	1803.6	2344.1	2885.4	3425.9	4410.4	5395.0	6379.5	7364.1	8127.3	8771.9	8816.7
45°	1874.6	2431.0	2986.7	3542.4	4573.8	5604.6	6636.0	7666.7	8558.2	9306.9	9138.0
47.5°	1908.4	2503.4	3098.4	3693.4	4799.3	5904.5	7010.4	8115.6	8915.3	9575.8	9378.6
50°	1934.6	2588.9	3243.9	3898.2	5057.8	6217.5	7377.1	8536.8	9338.6	9948.1	9639.2
52.5°	2008.4	2739.9	3472.1	4203.6	5437.0	6669.8	7903.2	9135.9	9911.6	10471.4	10038.4
55°	2080.1	2922.6	3765.8	4608.3	5934.8	7262.0	8588.5	9915.0	10687.2	11167.1	10579.0
57.5°	2170.4	3099.8	4028.5	4957.2	6376.1	7795.0	9213.2	10632.1	11387.0	11917.2	11306.3
60°	2147.0	3139.8	4133.3	5126.1	6571.2	8016.3	9461.4	10906.5	11803.4	12455.0	12040.6
62.5°	2055.9	3040.5	4024.3	5008.9	6428.5	7847.4	9266.9	10685.8	11760.7	12643.2	12503.9
65°	1871.9	2786.8	3702.4	4617.3	5972.7	7328.9	8684.4	10039.8	11366.3	12489.4	12539.1
67.5°	1629.9	2402.1	3173.6	3945.7	5210.2	6474.7	7738.4	9002.9	10568.6	11878.6	12026.1
70°	1373.4	1953.2	2533.7	3113.6	4226.3	5339.1	6451.2	7564.0	9191.8	10510.0	10788.6
72.5°	1101.1	1474.1	1846.4	2218.7	3021.9	3824.4	4627.6	5430.1	6862.1	7885.3	8371.3
75°	713.6	883.2	1052.8	1222.4	1757.4	2291.7	2826.8	3361.1	4311.8	5065.4	5614.9
77.5°	317.8	352.3	386.1	420.6	833.5	1246.5	1659.5	2072.5	2485.5	2940.5	3069.4
80°	113.8	128.9	144.8	160.0	362.7	566.0	768.7	971.4	1171.4	1406.5	1463.7
82.5°	47.6	47.6	46.9	46.2	118.6	191.0	263.4	335.8	388.2	446.1	457.1
85°	19.3	14.5	9.0	3.4	15.2	27.6	39.3	51.0	82.0	74.5	137.9
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: P367953
 CATALOG NUMBER: MSA-SA3C-730-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: P367953

CATALOG NUMBER: MSA-SA3C-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5
2.5°	1846.4	1845.0	1843.6	1842.2	1840.8	1816.0	1791.9	1767.1	1742.9	1773.3	1803.6
5°	2241.4	2277.3	2313.1	2349.7	2385.5	2395.9	2406.2	2416.5	2426.9	2448.9	2471.0
7.5°	2386.9	2447.6	2507.5	2568.2	2628.2	2684.0	2739.2	2795.0	2850.9	2837.1	2823.3
10°	2336.6	2446.2	2555.8	2666.1	2775.7	2799.9	2824.0	2848.8	2873.0	2935.7	2998.4
12.5°	2282.1	2413.8	2545.5	2677.1	2808.8	2881.9	2954.3	3027.4	3100.5	3163.9	3227.3
15°	2540.6	2624.7	2708.9	2793.7	2877.8	2941.9	3005.3	3069.4	3132.9	3177.0	3220.4
17.5°	2880.5	2921.9	2963.3	3005.3	3046.7	3097.0	3147.4	3197.7	3248.0	3274.2	3300.4
20°	3239.7	3257.7	3275.6	3293.5	3311.4	3271.5	3231.5	3191.5	3151.5	3176.3	3200.4
22.5°	3600.3	3606.5	3613.4	3619.6	3625.8	3532.8	3439.7	3346.6	3253.5	3214.2	3174.9
25°	4155.3	4109.8	4064.3	4018.8	3973.3	3863.0	3752.7	3642.4	3532.1	3434.9	3337.6
27.5°	4756.5	4602.1	4448.4	4293.9	4140.2	4029.9	3919.5	3809.2	3698.9	3552.8	3406.6
30°	5362.6	5113.7	4865.5	4616.6	4368.4	4237.4	4106.4	3974.7	3843.7	3697.5	3552.1
32.5°	5918.3	5619.0	5319.8	5019.9	4720.7	4500.1	4279.4	4058.8	3838.2	3736.1	3634.1
35°	6378.8	6025.1	5671.4	5317.1	4963.4	4744.8	4526.3	4307.7	4089.1	3937.5	3786.5
37.5°	7166.2	6768.4	6370.5	5972.7	5574.9	5276.4	4978.5	4680.0	4381.5	4280.1	4178.8
40°	7892.2	7390.9	6889.7	6388.5	5887.2	5637.0	5387.4	5137.1	4887.5	4721.4	4555.9
42.5°	8469.2	7941.1	7413.7	6885.6	6357.4	6109.9	5863.1	5615.6	5368.1	5257.1	5146.8
45°	8594.0	8096.2	7599.2	7101.4	6603.6	6459.5	6316.1	6172.0	6028.6	5952.0	5876.2
47.5°	8840.2	8300.3	7761.2	7221.3	6681.5	6616.7	6551.9	6486.4	6421.6	6458.1	6494.6
50°	8978.1	8427.2	7876.3	7325.4	6774.6	6793.2	6811.1	6829.7	6848.3	7107.6	7366.1
52.5°	9245.6	8689.2	8132.8	7576.4	7020.0	7137.2	7253.7	7370.9	7487.5	7844.6	8201.0
55°	9723.4	9176.6	8629.9	8082.5	7535.7	7690.2	7844.6	7999.7	8154.2	8533.4	8911.9
57.5°	10431.4	9888.8	9346.9	8804.3	8262.4	8416.2	8569.9	8723.7	8877.4	9220.1	9562.0
60°	11322.9	10765.8	10209.4	9652.3	9096.0	9153.9	9211.1	9269.0	9326.9	9695.1	10062.6
62.5°	12017.2	11504.9	10993.3	10481.1	9969.5	9905.4	9841.9	9777.8	9714.4	9994.3	10273.5
65°	12178.5	11817.9	11458.0	11097.4	10736.9	10539.7	10343.2	10146.0	9948.8	10061.9	10175.0
67.5°	11716.6	11473.2	11230.5	10987.1	10743.8	10332.1	9920.5	9508.2	9096.6	9036.7	8976.7
70°	10644.5	10511.4	10379.0	10246.0	10113.6	9479.3	8845.7	8211.4	7577.8	7425.4	7273.0
72.5°	8399.6	8482.3	8565.1	8648.5	8731.2	8052.1	7373.7	6694.6	6015.5	5822.4	5630.1
75°	5923.1	6203.7	6484.3	6764.9	7045.5	6426.4	5808.0	5188.8	4569.7	4384.2	4199.5
77.5°	3211.5	3737.5	4263.6	4789.6	5315.7	4804.8	4294.6	3783.7	3272.8	3143.9	3015.7
80°	1522.3	1825.7	2128.3	2431.7	2735.1	2619.9	2504.8	2389.0	2273.8	2302.1	2330.4
82.5°	466.8	686.0	905.3	1124.5	1343.7	1361.0	1377.5	1394.8	1412.0	1454.7	1496.8
85°	156.5	214.4	272.3	330.2	388.2	490.2	592.2	695.0	797.0	730.8	665.3
87.5°	0.0	2.1	3.4	5.5	6.9	21.4	35.9	50.3	64.8	55.8	47.6
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: P367953
 CATALOG NUMBER: MSA-SA3C-730-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: P367953

CATALOG NUMBER: MSA-SA3C-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5
2.5°	1834.6	1865.0	1865.7	1867.0	1867.7	1868.4	1871.9	1875.3	1879.4	1882.9	1860.1
5°	2493.8	2515.8	2475.1	2434.5	2393.1	2352.4	2389.0	2425.5	2462.0	2498.6	2482.7
7.5°	2808.8	2795.0	2790.2	2786.1	2781.3	2777.1	2790.9	2804.7	2818.5	2832.3	2830.9
10°	3061.2	3123.9	3139.1	3154.2	3170.1	3185.3	3153.6	3121.8	3090.1	3058.4	3045.3
12.5°	3290.8	3354.2	3404.5	3454.9	3505.9	3556.2	3510.7	3465.9	3420.4	3375.6	3332.8
15°	3264.6	3308.0	3349.4	3390.7	3432.1	3473.5	3458.3	3443.8	3428.7	3413.5	3406.6
17.5°	3327.3	3353.5	3343.8	3334.2	3323.9	3314.2	3309.4	3305.2	3300.4	3295.6	3279.0
20°	3225.3	3250.1	3243.9	3238.4	3232.2	3226.0	3221.8	3217.7	3213.5	3209.4	3196.3
22.5°	3135.6	3096.3	3086.0	3076.3	3066.0	3056.3	3057.7	3059.1	3059.8	3061.2	3120.5
25°	3240.4	3143.2	3105.3	3067.4	3028.8	2990.8	3008.1	3024.6	3041.9	3059.1	3144.6
27.5°	3259.7	3113.6	3052.9	2992.2	2931.6	2870.9	2932.9	2995.0	3057.0	3119.1	3257.7
30°	3405.9	3260.4	3175.6	3091.5	3006.7	2922.6	3001.9	3081.2	3160.5	3239.7	3390.0
32.5°	3531.4	3429.3	3368.7	3308.0	3247.3	3186.7	3190.1	3192.9	3196.3	3199.8	3411.4
35°	3634.8	3483.8	3428.7	3374.2	3319.0	3264.6	3346.6	3428.7	3510.7	3592.7	3783.0
37.5°	4077.4	3976.1	3874.7	3774.1	3672.7	3572.1	3637.6	3703.1	3769.2	3834.7	4045.0
40°	4389.7	4224.3	4198.1	4172.6	4146.4	4120.9	4154.6	4187.7	4221.5	4255.3	4439.4
42.5°	5035.8	4924.8	4853.8	4783.4	4712.4	4642.1	4669.0	4695.9	4723.4	4750.3	4924.8
45°	5799.7	5723.2	5676.3	5629.4	5581.8	5534.9	5494.3	5454.3	5413.6	5373.6	5550.8
47.5°	6531.2	6567.7	6671.1	6773.9	6877.3	6980.0	6895.9	6811.8	6727.0	6642.9	6643.6
50°	7625.4	7883.9	7936.3	7988.0	8040.4	8092.1	7912.9	7733.6	7553.6	7374.4	7353.0
52.5°	8558.2	8914.6	8933.2	8951.9	8971.2	8989.8	8917.4	8845.0	8771.9	8699.5	8507.2
55°	9291.1	9669.6	9695.1	9719.9	9745.4	9770.2	9706.8	9644.1	9580.6	9517.2	9322.8
57.5°	9904.7	10246.7	10261.8	10276.3	10291.5	10306.6	10311.5	10316.3	10321.8	10326.6	10063.9
60°	10430.7	10798.9	10768.6	10738.9	10708.6	10678.9	10633.4	10587.9	10542.4	10496.9	10327.3
62.5°	10553.5	10833.4	10786.5	10740.3	10693.4	10647.2	10608.6	10570.7	10532.1	10493.5	10385.2
65°	10288.0	10401.1	10352.8	10304.6	10255.6	10207.4	10182.5	10158.4	10133.6	10108.8	10095.0
67.5°	8916.0	8856.0	8913.3	8970.5	9027.7	9084.9	9162.8	9240.7	9319.3	9397.2	9351.7
70°	7120.0	6967.6	7031.0	7093.8	7157.2	7220.0	7337.9	7455.7	7574.3	7692.2	7660.5
72.5°	5437.0	5244.0	5252.9	5261.9	5271.6	5280.5	5277.1	5274.3	5270.9	5267.4	5322.6
75°	4014.0	3828.5	3741.0	3653.4	3565.9	3478.3	3456.9	3435.5	3414.2	3392.8	3495.5
77.5°	2886.7	2758.5	2698.5	2639.2	2579.2	2520.0	2550.3	2580.6	2611.6	2642.0	2677.8
80°	2359.3	2387.6	2341.4	2295.9	2249.7	2203.5	2238.0	2271.7	2306.2	2340.7	2233.8
82.5°	1539.5	1581.6	1439.6	1297.6	1155.5	1013.5	1099.7	1185.9	1272.7	1358.9	1314.8
85°	599.1	533.6	455.0	377.1	298.5	219.9	286.1	352.3	418.5	484.7	528.8
87.5°	38.6	30.3	24.1	17.9	11.0	4.8	10.3	15.9	22.1	27.6	46.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367953
 CATALOG NUMBER: MSA-SA3C-730-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: P367953

CATALOG NUMBER: MSA-SA3C-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5	1457.5
2.5°	1838.1	1815.3	1793.3	1749.8	1706.4	1663.0	1619.5	1680.2	1740.9	1801.5	1862.2
5°	2467.6	2451.7	2436.5	2440.7	2444.8	2449.6	2453.8	2462.7	2471.7	2480.0	2488.9
7.5°	2830.2	2828.8	2827.4	2795.7	2764.0	2731.6	2699.9	2715.8	2731.6	2747.5	2763.3
10°	3032.9	3019.8	3006.7	2937.1	2867.4	2797.1	2727.5	2697.1	2666.1	2635.8	2605.4
12.5°	3290.1	3246.6	3203.9	3129.4	3055.7	2981.2	2906.7	2879.2	2850.9	2823.3	2795.0
15°	3400.4	3393.5	3387.3	3334.2	3280.4	3227.3	3173.6	3079.1	2984.0	2889.5	2795.0
17.5°	3262.5	3245.3	3228.7	3312.8	3396.2	3480.4	3564.5	3466.6	3368.7	3270.8	3172.9
20°	3183.2	3170.1	3157.0	3313.5	3469.3	3625.8	3781.7	3738.2	3694.1	3650.7	3607.2
22.5°	3179.8	3239.7	3299.0	3436.2	3572.7	3709.9	3846.5	3921.6	3997.4	4072.6	4147.8
25°	3230.1	3316.3	3401.8	3629.3	3856.8	4085.0	4312.5	4398.7	4484.2	4570.4	4655.9
27.5°	3395.6	3534.1	3672.0	3870.6	4069.2	4268.4	4467.0	4655.2	4844.1	5032.3	5220.5
30°	3539.7	3690.0	3840.3	4076.7	4312.5	4549.0	4784.8	5020.6	5256.4	5492.2	5728.0
32.5°	3623.1	3835.4	4047.1	4334.6	4621.4	4908.9	5196.4	5455.0	5713.5	5971.4	6229.9
35°	3973.3	4164.3	4354.6	4672.4	4990.3	5308.8	5626.6	5946.5	6266.4	6585.7	6905.6
37.5°	4255.3	4466.3	4676.6	5024.0	5370.8	5718.3	6065.8	6507.7	6950.4	7392.3	7834.3
40°	4623.5	4807.6	4991.6	5317.1	5641.8	5967.2	6292.6	6853.2	7413.7	7973.5	8534.1
42.5°	5098.5	5272.9	5447.4	5795.5	6143.7	6491.9	6840.1	7460.6	8081.1	8700.9	9321.4
45°	5728.0	5905.9	6083.0	6360.2	6637.4	6914.5	7191.7	7851.5	8510.6	9170.4	9829.5
47.5°	6644.3	6645.0	6645.6	6845.6	7045.5	7246.2	7446.1	8110.7	8774.7	9439.3	10103.2
50°	7331.6	7309.6	7288.2	7391.6	7494.4	7597.8	7701.2	8312.7	8925.0	9536.5	10148.1
52.5°	8315.5	8123.1	7931.5	7992.8	8053.5	8114.9	8175.5	8693.3	9211.8	9729.6	10247.3
55°	9129.1	8934.6	8740.2	8717.4	8694.7	8671.9	8649.2	9125.6	9602.0	10078.4	10554.8
57.5°	9802.0	9539.3	9277.3	9224.9	9173.2	9120.8	9068.4	9571.0	10072.9	10575.5	11077.4
60°	10158.4	9988.8	9819.2	9785.4	9750.9	9717.2	9682.7	10095.0	10507.3	10919.6	11331.9
62.5°	10277.7	10169.4	10061.9	10125.3	10188.7	10252.9	10316.3	10497.6	10678.3	10859.6	11040.2
65°	10081.9	10068.1	10054.3	10184.6	10314.2	10444.5	10574.8	10530.0	10484.5	10439.7	10394.9
67.5°	9306.9	9261.4	9216.6	9502.7	9788.2	10074.3	10360.4	10143.2	9925.4	9708.2	9491.0
70°	7628.8	7596.4	7564.7	7977.0	8389.3	8802.2	9214.5	8951.2	8687.8	8424.4	8161.1
72.5°	5377.0	5432.2	5487.4	5973.4	6458.8	6944.9	7430.2	7164.8	6899.4	6633.9	6368.5
75°	3597.6	3700.3	3803.0	4303.6	4804.1	5305.3	5805.9	5494.3	5182.6	4871.0	4559.4
77.5°	2713.7	2749.5	2785.4	3101.9	3418.3	3735.5	4051.9	3794.8	3536.9	3279.7	3021.9
80°	2127.0	2019.4	1912.5	2016.7	2120.8	2224.9	2329.0	2175.2	2021.5	1868.4	1714.7
82.5°	1270.7	1226.5	1182.4	1238.9	1294.8	1351.3	1407.9	1341.7	1274.8	1208.6	1141.7
85°	572.2	616.4	659.8	717.0	773.6	830.8	888.0	795.6	703.2	610.9	518.5
87.5°	64.1	82.7	101.3	125.5	149.6	173.7	197.9	154.4	110.3	66.9	23.4
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: P367953
 CATALOG NUMBER: MSA-SA3C-730-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: P367953
 CATALOG NUMBER: MSA-SA3C-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1457.5	1457.5
2.5°	1897.4	1932.5
5°	2488.2	2486.9
7.5°	2722.0	2679.9
10°	2566.8	2528.2
12.5°	2696.5	2597.9
15°	2720.6	2646.1
17.5°	3051.5	2929.5
20°	3450.7	3293.5
22.5°	3932.6	3716.8
25°	4399.4	4142.9
27.5°	5066.8	4912.4
30°	5572.2	5415.7
32.5°	6123.7	6017.5
35°	6800.1	6693.9
37.5°	7861.8	7888.7
40°	8550.6	8567.1
42.5°	9385.5	9449.6
45°	9901.2	9972.9
47.5°	10203.2	10303.2
50°	10309.4	10470.7
52.5°	10446.6	10645.2
55°	10776.2	10997.5
57.5°	11253.9	11430.4
60°	11340.1	11348.4
62.5°	10912.7	10785.1
65°	10259.1	10123.2
67.5°	9409.0	9326.2
70°	8052.1	7943.2
72.5°	6165.8	5963.1
75°	4308.4	4057.4
77.5°	2890.2	2758.5
80°	1718.8	1722.3
82.5°	1173.4	1204.5
85°	512.3	505.4
87.5°	16.5	9.0
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0



REPORT NUMBER: P367953
CATALOG NUMBER: MSA-SA3C-730-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)