

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: P367029

Luminaire Tested: **MSA-SA1D-730-U-SLR-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367029
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-SA1D-730-U-SLR-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4556 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

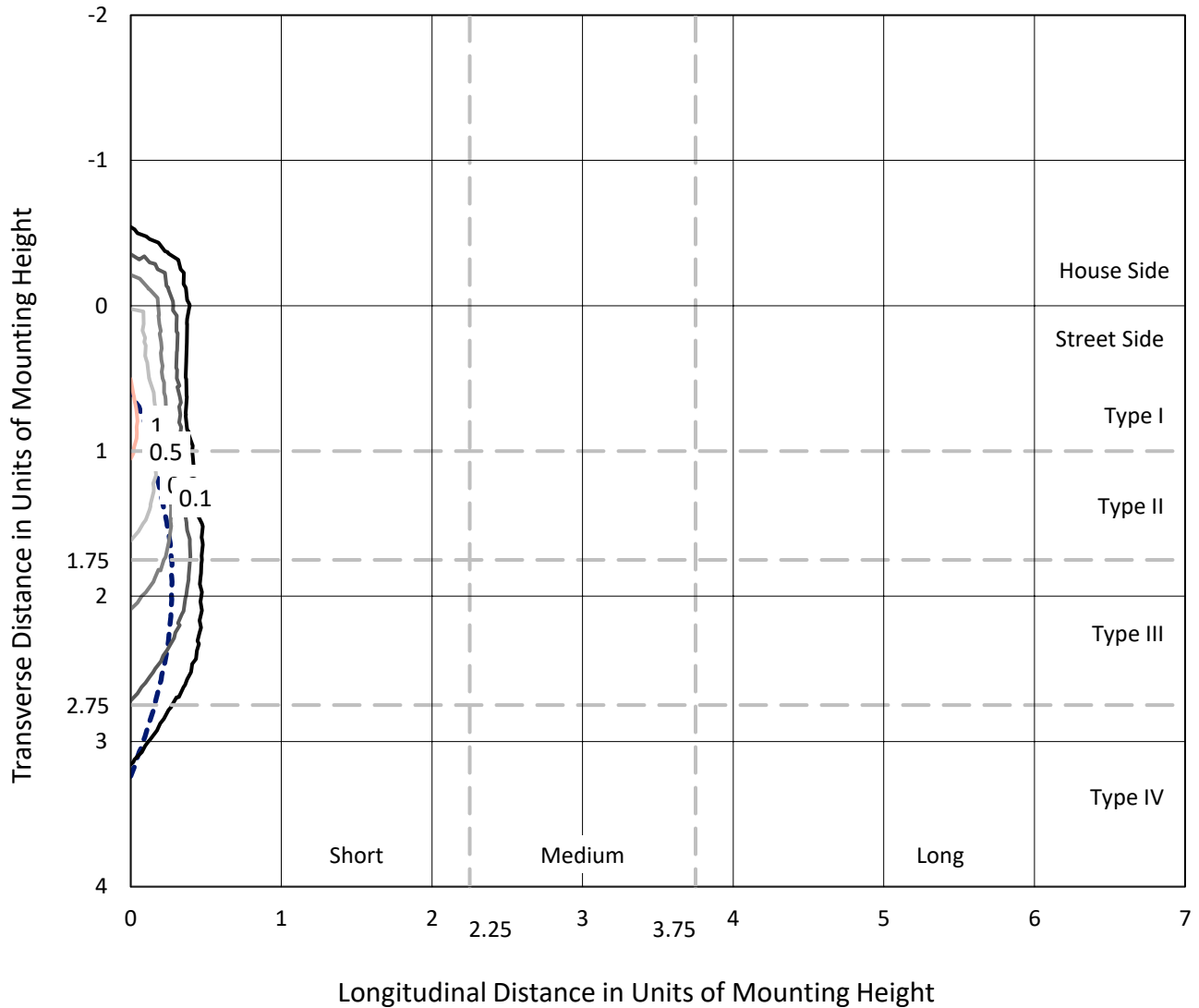
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

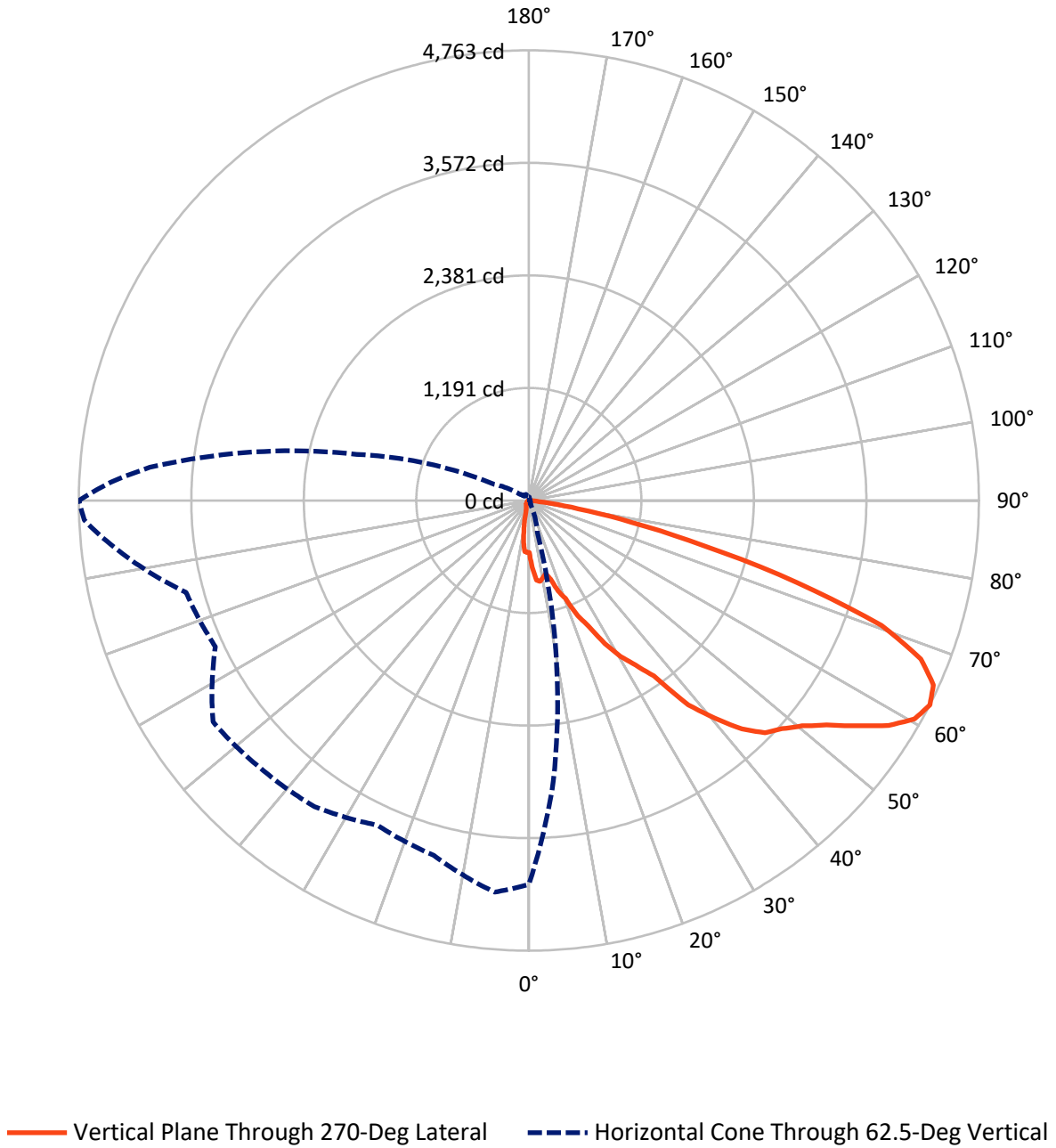
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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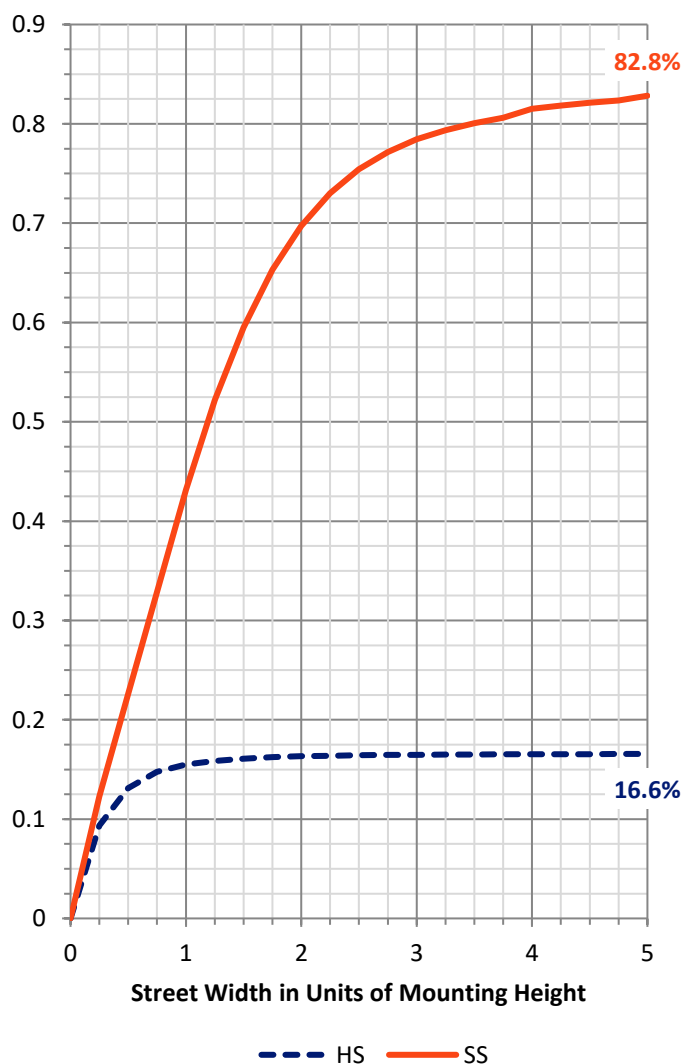
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	760.8	0.0	760.8
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	3795.2	0.0	3795.2
	% Fixture	83.3	0.0	83.3
Total	Lumens	4556.0	0.0	4556.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.3	1.3
10°-20°	160.2	3.5
20°-30°	259.0	5.7
30°-40°	433.8	9.5
40°-50°	709.1	15.6
50°-60°	1049.7	23.0
60°-70°	1205.1	26.5
70°-80°	595.9	13.1
80°-90°	81.8	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°	4556.0	100.0
0°-180°	4556.0	100.0

Coefficient of Utilization

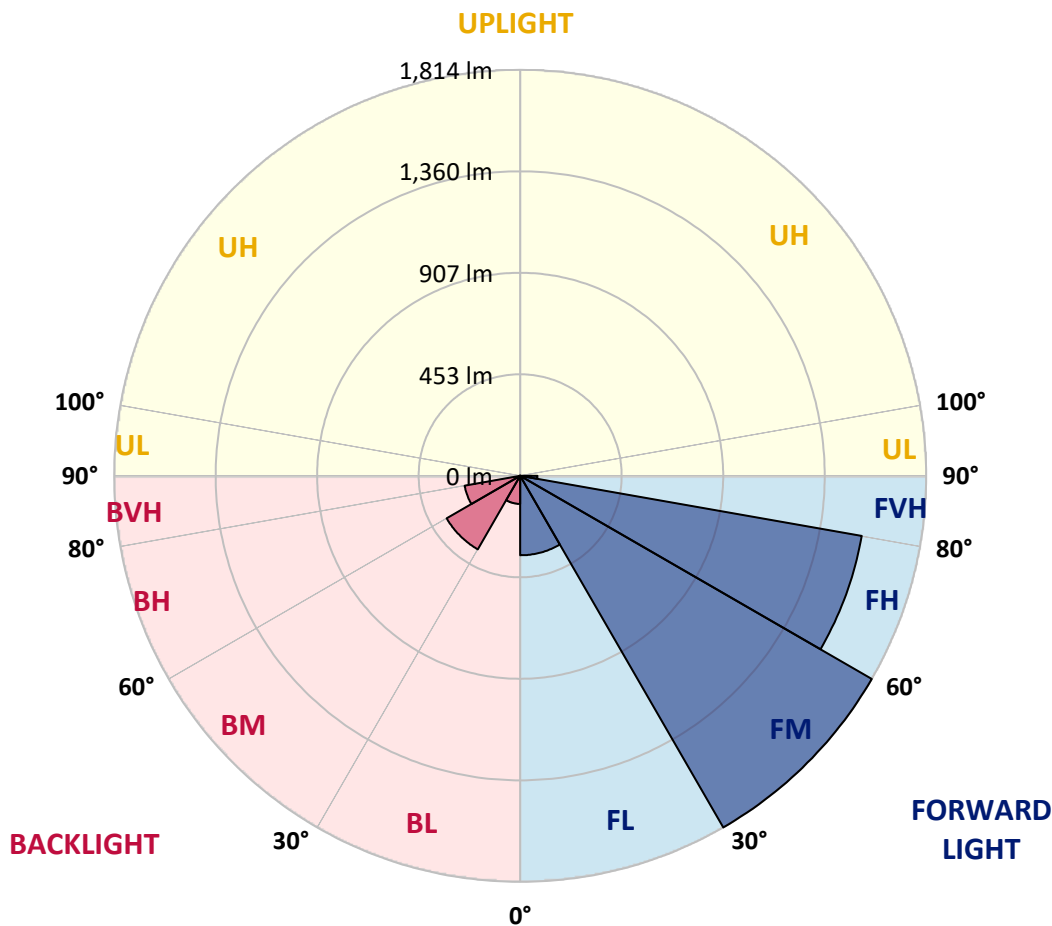


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	354.9	7.8			
FM (30°-60°)	1813.5	39.8			
FH (60°-80°)	1549.3	34.0			G1/1800
FVH (80°-90°)	77.5	1.7			G1/100
BL (0°-30°)	125.6	2.8	B1/500		
BM (30°-60°)	379.1	8.3	B1/1000		
BH (60°-80°)	251.7	5.5	B1/500		G1/500
BVH (80°-90°)	4.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
2.5°	728.0	737.0	745.9	729.0	712.1	695.2	678.4	663.3	648.2	632.9	617.8
5°	936.8	920.1	903.5	880.7	857.8	835.0	812.1	801.5	790.8	780.2	769.5
7.5°	1009.5	979.9	950.0	929.7	909.8	889.5	869.2	837.3	805.1	773.1	740.9
10°	952.3	920.9	889.2	871.6	853.9	836.3	818.6	778.9	738.9	699.1	659.1
12.5°	978.6	944.6	910.5	874.2	837.8	801.5	765.1	734.7	704.1	673.7	643.0
15°	996.8	957.8	918.6	877.0	835.5	793.9	752.4	716.5	681.0	645.1	609.3
17.5°	1103.5	1047.7	991.8	927.9	864.0	800.2	736.3	694.7	653.4	611.9	570.3
20°	1240.6	1161.4	1081.9	995.5	909.0	822.5	736.0	684.3	632.6	581.0	529.3
22.5°	1400.1	1301.1	1201.9	1095.2	988.7	882.0	775.2	700.9	626.7	552.4	478.1
25°	1560.6	1471.2	1381.9	1238.3	1094.7	950.8	807.2	712.9	618.4	524.1	429.6
27.5°	1850.4	1690.7	1531.0	1348.1	1165.6	982.7	799.9	691.9	583.8	475.5	367.5
30°	2040.0	1917.2	1794.1	1552.5	1311.3	1069.7	828.2	691.3	554.5	417.3	280.5
32.5°	2266.7	2087.0	1907.0	1645.0	1382.9	1120.9	858.8	698.1	537.1	376.3	215.3
35°	2521.5	2325.9	2130.4	1798.5	1466.6	1134.4	802.5	646.7	490.8	335.0	179.2
37.5°	2971.6	2644.3	2317.1	1930.1	1542.9	1156.0	768.7	613.2	457.3	301.8	146.0
40°	3227.1	2914.7	2602.3	2118.7	1635.1	1151.5	668.0	529.8	391.9	253.7	115.6
42.5°	3559.5	3163.2	2766.7	2226.2	1685.8	1145.3	604.9	477.1	349.3	221.3	93.5
45°	3756.7	3307.6	2858.6	2273.0	1687.3	1101.7	516.0	405.4	294.8	184.1	73.5
47.5°	3881.1	3430.7	2980.4	2351.6	1723.2	1094.4	465.7	363.8	262.0	160.2	58.4
50°	3944.2	3492.5	3040.6	2394.5	1748.3	1101.9	455.8	354.5	253.0	151.7	50.1
52.5°	4009.9	3574.3	3138.6	2468.8	1799.0	1129.2	459.4	356.1	253.0	149.6	46.2
55°	4142.6	3713.0	3283.2	2575.2	1867.3	1159.3	451.4	349.6	247.8	145.7	43.9
57.5°	4305.7	3846.5	3387.1	2653.2	1919.2	1185.3	451.4	349.0	246.7	144.1	41.8
60°	4274.8	3776.4	3277.8	2565.6	1853.5	1141.1	429.0	331.6	234.5	137.1	39.7
62.5°	4062.6	3521.6	2980.4	2322.3	1663.9	1005.8	347.5	269.8	192.2	114.3	36.6
65°	3813.3	3239.1	2664.6	2059.0	1453.1	847.4	241.5	189.6	137.4	85.4	33.2
67.5°	3513.0	2900.7	2288.3	1749.6	1211.3	672.6	134.0	108.0	82.1	55.8	29.9
70°	2992.1	2360.0	1727.6	1313.6	899.9	485.9	71.9	60.8	49.6	38.4	27.3
72.5°	2246.2	1667.1	1087.9	826.4	565.1	303.6	42.1	37.9	33.5	29.3	24.9
75°	1528.4	1094.4	660.4	502.8	345.4	187.8	30.1	28.0	25.7	23.6	21.3
77.5°	1039.1	751.6	464.1	354.2	244.4	134.5	24.7	23.4	22.1	20.5	19.2
80°	648.7	444.1	239.4	184.4	129.1	74.0	18.7	17.9	17.1	16.1	15.3
82.5°	453.7	271.4	89.1	69.6	50.1	30.4	10.9	11.2	11.4	11.4	11.7
85°	190.4	102.8	15.3	13.0	10.6	8.3	6.0	6.5	7.3	7.8	8.3
87.5°	3.4	1.8	0.0	0.5	1.3	1.8	2.3	3.1	3.6	4.4	4.9
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°	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
2.5°	621.7	625.6	629.3	633.2	630.0	627.2	624.1	621.0	616.3	611.9	607.2
5°	756.5	743.5	730.6	717.6	697.8	678.1	658.1	638.4	636.0	633.7	631.1
7.5°	710.6	680.2	649.5	619.1	590.6	562.0	533.4	504.9	496.0	487.5	478.6
10°	635.8	612.4	588.8	565.4	544.9	524.1	503.6	482.8	461.2	439.7	417.9
12.5°	618.6	594.2	569.5	545.1	526.4	507.7	489.0	470.3	446.2	422.0	397.9
15°	582.8	556.3	529.8	503.3	478.4	453.4	428.3	403.3	374.2	345.1	316.1
17.5°	538.9	507.7	476.3	444.9	412.2	379.4	346.7	314.0	280.5	247.2	213.7
20°	486.7	444.1	401.2	358.7	318.1	277.6	236.9	196.3	175.3	154.5	133.5
22.5°	423.1	367.7	312.7	257.4	224.1	190.6	157.4	123.9	114.8	105.7	96.6
25°	367.0	304.4	241.8	179.2	158.2	137.1	116.1	95.1	90.9	86.5	82.3
27.5°	308.5	249.8	190.9	131.9	120.0	107.8	95.8	83.6	80.8	78.2	75.3
30°	236.6	192.7	148.6	104.7	96.9	89.1	81.0	73.2	71.9	70.4	69.1
32.5°	183.4	151.1	119.2	87.0	82.6	78.2	73.8	69.3	67.3	65.2	62.8
35°	153.2	127.5	101.5	75.6	72.5	69.1	66.0	62.6	60.5	58.2	56.1
37.5°	127.0	108.3	89.3	70.4	67.0	63.6	60.0	56.6	55.1	53.5	51.9
40°	104.7	93.8	82.8	71.9	67.0	62.1	57.1	52.2	50.9	49.6	48.3
42.5°	86.5	79.5	72.2	65.2	61.6	58.2	54.5	50.9	49.1	47.0	45.2
45°	69.9	66.0	62.3	58.4	58.7	59.0	59.0	59.2	54.5	49.6	44.9
47.5°	56.6	54.8	52.7	50.9	53.0	55.1	56.9	59.0	54.0	49.1	43.9
50°	48.6	47.3	45.7	44.2	46.2	48.6	50.6	52.7	50.6	48.8	46.7
52.5°	44.4	42.6	40.8	39.0	39.7	40.8	41.6	42.3	42.3	42.3	42.3
55°	41.8	40.0	37.9	35.8	35.1	34.0	33.2	32.2	30.9	29.9	28.6
57.5°	39.7	37.7	35.3	33.2	31.9	30.4	29.1	27.5	26.2	24.7	23.4
60°	37.7	35.6	33.2	31.2	29.9	28.6	27.0	25.7	24.2	22.9	21.3
62.5°	34.8	33.0	31.2	29.3	28.0	27.0	25.7	24.4	22.9	21.3	19.5
65°	31.7	30.4	28.8	27.3	26.0	24.7	23.4	22.1	20.5	19.2	17.7
67.5°	28.8	27.5	26.5	25.2	23.6	22.3	20.8	19.2	18.2	17.1	15.8
70°	26.5	25.5	24.7	23.6	22.1	20.8	19.2	17.7	16.9	15.8	15.1
72.5°	24.2	23.4	22.3	21.6	20.3	19.0	17.7	16.4	15.6	14.8	14.0
75°	20.8	20.3	19.7	19.2	17.9	16.6	15.1	13.8	13.5	13.2	13.0
77.5°	18.7	18.4	17.9	17.4	16.1	14.8	13.5	12.2	12.5	12.7	12.7
80°	15.3	15.3	15.1	15.1	14.0	13.0	11.7	10.6	11.2	11.9	12.5
82.5°	11.7	11.7	11.7	11.7	10.6	9.6	8.6	7.5	8.3	8.8	9.6
85°	8.1	7.8	7.5	7.3	6.5	6.0	5.2	4.4	5.5	6.2	7.3
87.5°	4.9	5.2	5.2	5.2	4.7	3.9	3.4	2.6	3.1	3.4	3.9
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):

	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: P367029
 CATALOG NUMBER: MSA-SA1D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
2.5°	602.5	594.7	586.9	578.9	571.1	552.9	534.7	516.6	498.4	511.9	525.1
5°	628.7	613.7	598.4	583.3	568.0	561.2	554.7	548.0	541.2	542.3	543.6
7.5°	469.8	459.9	450.1	439.9	430.1	428.0	426.2	424.1	422.0	426.4	430.6
10°	396.3	382.5	368.5	354.8	340.7	333.2	325.7	318.1	310.6	309.8	308.8
12.5°	373.7	352.7	331.9	310.9	289.8	273.5	257.1	240.7	224.4	225.7	227.0
15°	287.0	265.9	245.2	224.1	203.1	189.8	176.3	163.1	149.6	145.7	141.8
17.5°	180.2	164.7	149.1	133.2	117.6	113.2	109.1	104.7	100.2	98.9	97.6
20°	112.5	105.7	98.9	91.9	85.2	84.1	83.1	82.1	81.0	81.8	82.6
22.5°	87.5	84.7	81.5	78.7	75.6	74.5	73.5	72.5	71.4	72.2	72.7
25°	77.9	75.8	73.8	71.7	69.6	68.6	67.3	66.2	64.9	65.4	66.2
27.5°	72.5	70.6	68.8	67.0	65.2	63.4	61.8	60.0	58.2	59.2	60.0
30°	67.5	65.4	63.6	61.6	59.5	57.7	55.8	53.8	51.9	53.0	54.0
32.5°	60.8	59.0	56.9	55.1	53.0	51.9	50.9	49.6	48.6	49.3	49.9
35°	53.8	52.2	50.9	49.3	47.8	46.7	46.0	44.9	43.9	44.2	44.7
37.5°	50.4	48.6	46.7	44.9	43.1	42.6	42.1	41.3	40.8	40.8	40.8
40°	47.0	45.2	43.4	41.3	39.5	38.7	37.9	37.1	36.4	36.4	36.4
42.5°	43.1	41.3	39.5	37.7	35.8	35.1	34.0	33.2	32.2	32.2	32.2
45°	40.0	38.2	36.6	34.8	33.0	31.7	30.4	28.8	27.5	27.3	27.0
47.5°	39.0	36.4	33.8	31.2	28.6	27.3	26.0	24.4	23.1	22.9	22.6
50°	44.7	39.5	34.3	29.1	23.9	22.9	21.8	20.8	19.7	19.2	19.0
52.5°	42.3	36.9	31.4	26.0	20.5	19.7	19.0	18.2	17.4	16.9	16.4
55°	27.3	24.9	22.9	20.5	18.2	17.7	17.1	16.4	15.8	15.3	14.8
57.5°	21.8	20.5	19.5	18.2	16.9	16.4	15.8	15.1	14.5	13.8	13.2
60°	19.7	18.7	17.7	16.6	15.6	15.1	14.5	14.0	13.5	12.7	12.2
62.5°	17.9	17.1	16.4	15.6	14.8	14.3	13.8	13.2	12.7	11.9	11.2
65°	16.1	15.6	15.1	14.5	14.0	13.5	13.0	12.2	11.7	10.9	10.1
67.5°	14.8	14.5	14.3	14.0	13.8	13.2	12.5	11.9	11.2	10.4	9.3
70°	14.0	14.0	14.0	13.8	13.8	13.2	12.5	11.9	11.2	10.1	9.3
72.5°	13.2	13.5	13.8	13.8	14.0	13.2	12.5	11.7	10.9	9.9	9.1
75°	12.7	13.0	13.2	13.2	13.5	13.0	12.5	11.7	11.2	10.1	9.1
77.5°	13.0	13.2	13.2	13.5	13.5	13.0	12.5	11.7	11.2	9.9	8.6
80°	13.0	12.7	12.5	11.9	11.7	10.6	9.6	8.3	7.3	5.7	4.4
82.5°	10.1	9.6	9.3	8.8	8.3	7.3	6.2	5.2	4.2	3.1	2.1
85°	8.1	7.5	7.3	6.8	6.2	5.5	4.4	3.6	2.6	2.1	1.3
87.5°	4.2	3.9	3.4	3.1	2.6	2.1	1.3	0.8	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: P367029
 CATALOG NUMBER: MSA-SA1D-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: P367029
 CATALOG NUMBER: MSA-SA1D-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°	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
2.5°	538.6	551.9	550.1	548.2	556.8	565.4	559.1	553.2	546.9	540.7	527.7
5°	544.6	545.6	543.8	541.7	542.0	542.3	538.1	534.0	529.8	525.6	524.9
7.5°	435.0	439.2	444.9	450.3	450.6	450.6	447.5	444.4	441.0	437.9	439.4
10°	308.0	307.0	308.5	310.1	309.8	309.3	317.6	325.9	334.0	342.3	336.3
12.5°	228.0	229.3	222.8	216.3	218.7	220.8	222.0	223.3	224.6	225.9	229.6
15°	137.9	134.0	129.3	124.7	127.0	129.1	131.4	133.5	135.8	137.9	140.2
17.5°	96.1	94.8	92.7	90.4	90.6	90.9	91.2	91.4	91.4	91.7	92.2
20°	83.4	84.1	82.6	80.8	80.2	79.5	79.0	78.4	77.7	77.1	76.4
22.5°	73.5	74.0	74.3	74.3	73.2	71.9	70.9	70.1	69.1	68.0	67.5
25°	66.7	67.3	66.7	66.0	65.4	64.9	64.4	63.6	63.1	62.3	62.1
27.5°	61.0	61.8	61.8	61.6	61.0	60.3	59.0	57.9	56.6	55.3	55.6
30°	55.1	56.1	56.1	55.8	55.6	55.3	54.0	52.7	51.4	50.1	50.6
32.5°	50.6	51.2	50.9	50.6	50.6	50.4	49.3	48.6	47.5	46.5	46.5
35°	44.9	45.2	45.2	45.2	45.2	44.9	44.2	43.4	42.6	41.8	42.1
37.5°	40.8	40.8	41.6	42.1	41.6	41.0	40.5	39.7	39.2	38.4	38.4
40°	36.1	36.1	36.9	37.4	36.9	36.4	36.1	35.6	35.3	34.8	34.8
42.5°	31.9	31.9	32.7	33.2	33.2	33.0	32.5	31.9	31.4	30.9	31.2
45°	26.7	26.5	27.8	28.8	28.3	27.8	27.8	27.5	27.5	27.3	27.5
47.5°	22.1	21.8	22.9	23.9	23.6	23.1	23.1	23.1	23.1	23.1	23.4
50°	18.4	17.9	19.0	19.7	19.5	19.0	19.0	19.2	19.2	19.2	19.5
52.5°	15.8	15.3	16.1	16.6	16.4	16.1	16.1	16.4	16.4	16.4	16.6
55°	14.0	13.5	14.3	14.8	14.5	14.0	14.3	14.3	14.5	14.5	14.5
57.5°	12.5	11.7	12.2	12.7	12.7	12.5	12.7	12.7	13.0	13.0	13.0
60°	11.4	10.6	11.2	11.4	11.4	11.2	11.4	11.4	11.7	11.7	11.7
62.5°	10.1	9.3	9.9	10.1	10.1	9.9	10.1	10.1	10.4	10.4	10.4
65°	9.1	8.3	8.6	8.8	8.8	8.8	9.1	9.1	9.3	9.3	9.3
67.5°	8.6	7.5	7.8	8.1	8.1	8.1	8.3	8.3	8.6	8.6	8.8
70°	8.3	7.3	7.5	7.5	7.5	7.8	7.8	8.1	8.1	8.1	8.1
72.5°	8.1	7.0	7.0	7.0	7.3	7.3	7.3	7.5	7.5	7.5	7.5
75°	8.1	7.0	6.8	6.5	6.8	6.8	6.8	7.0	7.0	7.0	7.0
77.5°	7.0	5.7	5.2	4.4	5.2	5.7	6.0	6.0	6.2	6.2	6.2
80°	2.9	1.3	0.8	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8
82.5°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.8	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: P367029
 CATALOG NUMBER: MSA-SA1D-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: P367029
 CATALOG NUMBER: MSA-SA1D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
2.5°	514.7	501.8	488.8	495.0	501.2	507.5	513.7	513.2	512.4	511.9	511.1
5°	524.3	523.6	522.8	519.2	515.8	512.1	508.5	507.7	506.7	505.9	504.9
7.5°	441.0	442.3	443.8	439.7	435.5	431.4	427.2	416.6	405.9	395.0	384.4
10°	330.3	324.1	318.1	317.6	317.1	316.6	316.1	315.0	314.0	312.7	311.6
12.5°	233.5	237.1	240.7	239.4	238.2	236.6	235.3	237.1	239.2	241.0	242.8
15°	142.3	144.7	146.7	151.4	156.1	160.8	165.4	167.3	169.3	171.1	173.0
17.5°	92.7	93.0	93.5	98.7	103.6	108.8	113.8	117.1	120.5	123.6	127.0
20°	75.6	74.8	74.0	76.9	79.7	82.6	85.4	88.6	91.7	94.8	97.9
22.5°	67.3	66.7	66.2	67.3	68.3	69.1	70.1	72.5	75.1	77.4	79.7
25°	61.8	61.3	61.0	61.6	62.1	62.6	63.1	64.4	65.7	67.0	68.3
27.5°	55.6	55.8	55.8	56.4	56.6	57.1	57.4	57.9	58.7	59.2	59.7
30°	50.9	51.4	51.7	52.2	52.5	53.0	53.2	53.0	52.7	52.5	52.2
32.5°	46.5	46.2	46.2	46.7	47.0	47.5	47.8	48.3	48.8	49.1	49.6
35°	42.1	42.3	42.3	42.3	42.6	42.6	42.6	43.1	43.9	44.4	44.9
37.5°	38.2	38.2	37.9	38.7	39.2	40.0	40.5	41.0	41.8	42.3	42.9
40°	34.8	34.8	34.8	35.3	35.8	36.1	36.6	37.9	39.2	40.5	41.8
42.5°	31.2	31.4	31.4	31.9	32.5	32.7	33.2	34.3	35.1	36.1	36.9
45°	27.8	28.0	28.3	28.8	29.1	29.6	29.9	30.4	30.6	31.2	31.4
47.5°	23.9	24.2	24.4	24.9	25.2	25.7	26.0	25.7	25.7	25.5	25.2
50°	20.0	20.3	20.5	21.3	21.8	22.6	23.1	22.6	22.1	21.3	20.8
52.5°	16.9	16.9	17.1	17.7	18.2	18.4	19.0	18.7	18.4	18.2	17.9
55°	14.5	14.5	14.5	14.8	15.1	15.3	15.6	15.8	15.8	16.1	16.1
57.5°	13.0	12.7	12.7	13.0	13.2	13.2	13.5	13.8	13.8	14.0	14.0
60°	11.7	11.4	11.4	11.7	11.9	12.2	12.5	12.5	12.5	12.2	12.2
62.5°	10.4	10.4	10.4	10.6	10.6	10.9	10.9	10.9	11.2	11.2	11.2
65°	9.6	9.6	9.6	9.6	9.6	9.3	9.3	9.6	9.6	9.9	9.9
67.5°	8.8	9.1	9.1	8.8	8.6	8.3	8.1	8.3	8.3	8.6	8.6
70°	8.1	8.1	8.1	7.8	7.5	7.3	7.0	7.0	7.0	6.8	6.8
72.5°	7.5	7.3	7.3	7.0	6.5	6.2	5.7	5.5	5.5	5.2	4.9
75°	7.0	6.8	6.8	6.2	5.7	5.2	4.7	4.4	3.9	3.6	3.1
77.5°	6.2	6.2	6.2	5.5	4.9	4.2	3.4	2.9	2.3	1.6	1.0
80°	2.1	2.3	2.6	2.3	2.3	2.1	1.8	1.3	1.0	0.5	0.0
82.5°	0.3	0.3	0.3	0.3	0.3	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: P367029
 CATALOG NUMBER: MSA-SA1D-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: P367029
 CATALOG NUMBER: MSA-SA1D-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°	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
2.5°	514.0	516.8	519.7	522.5	522.8	523.0	523.3	523.6	517.1	510.3	503.8
5°	510.1	515.5	520.7	525.9	523.0	520.2	517.3	514.5	514.2	514.2	514.0
7.5°	385.1	385.7	386.4	387.0	388.0	389.0	389.8	390.9	395.0	399.2	403.1
10°	308.3	304.9	301.3	297.9	295.3	292.4	289.8	287.0	289.1	291.4	293.5
12.5°	240.0	237.1	234.0	231.1	230.1	229.1	227.8	226.7	233.5	240.2	246.7
15°	172.4	171.9	171.1	170.6	174.0	177.4	180.8	184.1	189.8	195.3	201.0
17.5°	128.3	129.6	130.9	132.2	134.3	136.3	138.2	140.2	144.4	148.8	153.0
20°	99.5	101.3	102.8	104.4	103.9	103.4	102.6	102.1	105.4	108.8	111.9
22.5°	81.3	82.6	84.1	85.4	85.7	86.0	86.2	86.5	88.6	90.4	92.5
25°	69.6	71.2	72.5	73.8	74.0	74.3	74.5	74.8	77.4	80.0	82.3
27.5°	61.6	63.1	64.9	66.5	67.0	67.5	68.0	68.6	70.1	71.4	73.0
30°	54.3	56.4	58.4	60.5	61.3	62.1	62.8	63.6	65.2	67.0	68.6
32.5°	50.6	51.9	53.0	54.0	55.8	57.4	59.2	60.8	62.6	64.7	66.5
35°	46.5	47.8	49.3	50.6	51.9	53.2	54.3	55.6	56.6	57.7	58.4
37.5°	43.9	45.2	46.2	47.3	47.8	48.3	48.6	49.1	49.6	50.1	50.4
40°	41.8	41.6	41.6	41.3	41.8	42.6	43.1	43.6	45.2	46.5	48.0
42.5°	36.4	35.6	35.1	34.3	35.6	36.6	37.9	39.0	41.0	43.1	45.2
45°	30.9	30.4	29.6	29.1	30.9	32.7	34.5	36.4	38.7	40.8	43.1
47.5°	25.5	25.7	25.7	26.0	27.8	29.6	31.2	33.0	35.3	37.7	40.0
50°	21.3	21.8	22.3	22.9	24.7	26.2	28.0	29.6	32.2	34.5	37.1
52.5°	18.7	19.5	20.0	20.8	22.3	24.2	25.7	27.3	29.6	31.9	34.3
55°	16.9	17.9	18.7	19.5	20.8	22.1	23.4	24.7	27.0	29.3	31.4
57.5°	14.8	15.6	16.4	17.1	18.4	19.7	20.8	22.1	24.2	26.5	28.6
60°	13.0	13.5	14.3	14.8	15.8	17.1	18.2	19.2	21.3	23.4	25.2
62.5°	11.4	11.9	12.2	12.5	13.5	14.5	15.6	16.6	18.4	20.5	22.3
65°	10.1	10.4	10.4	10.6	11.4	12.5	13.2	14.0	16.1	17.9	20.0
67.5°	8.6	8.8	8.8	8.8	9.6	10.4	11.2	11.9	13.8	15.8	17.7
70°	6.8	7.0	7.0	7.0	7.8	8.8	9.6	10.4	11.9	13.5	15.1
72.5°	5.2	5.2	5.5	5.5	6.2	7.3	8.1	8.8	10.1	11.4	12.7
75°	3.4	3.6	3.6	3.9	4.7	5.7	6.5	7.3	8.6	9.9	10.9
77.5°	1.3	1.8	2.1	2.3	3.1	3.9	4.7	5.5	6.5	7.8	8.8
80°	0.0	0.3	0.3	0.3	0.8	1.0	1.6	1.8	2.6	3.6	4.4
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: P367029
 CATALOG NUMBER: MSA-SA1D-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: P367029
 CATALOG NUMBER: MSA-SA1D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
2.5°	497.1	511.4	525.6	539.9	554.2	571.9	589.5	592.1	594.7	591.6	588.8
5°	513.7	520.7	527.5	534.5	541.2	561.5	581.5	581.7	581.7	582.0	582.0
7.5°	407.2	413.2	419.2	424.9	430.9	444.1	457.3	462.3	467.0	465.9	464.9
10°	295.5	303.3	310.9	318.7	326.2	338.4	350.6	355.3	359.7	374.0	388.5
12.5°	253.5	261.0	268.5	275.8	283.3	295.8	308.3	317.4	326.2	335.0	343.9
15°	206.5	212.4	218.7	224.6	230.6	236.3	242.0	253.2	264.1	273.0	281.8
17.5°	157.1	159.7	162.1	164.7	167.0	169.6	172.2	176.9	181.3	189.1	196.6
20°	115.3	117.4	119.5	121.3	123.4	126.0	128.6	131.9	135.0	136.9	138.4
22.5°	94.3	97.4	100.5	103.4	106.5	108.3	110.1	111.2	112.2	113.0	113.8
25°	84.9	87.8	90.4	93.2	95.8	96.6	97.4	99.5	101.5	101.5	101.5
27.5°	74.3	78.2	82.3	86.2	90.1	91.2	91.9	92.7	93.2	92.2	90.9
30°	70.1	74.0	77.9	81.5	85.4	87.0	88.3	89.1	89.9	88.6	87.3
32.5°	68.3	71.9	75.3	79.0	82.3	84.4	86.2	88.3	90.1	90.4	90.9
35°	59.5	61.8	64.4	66.7	69.1	70.1	71.2	71.9	72.5	72.5	72.5
37.5°	50.9	54.0	57.4	60.5	63.6	66.0	68.3	68.6	68.6	69.1	69.9
40°	49.3	52.5	55.6	58.4	61.6	64.1	66.5	66.7	67.0	67.5	68.0
42.5°	47.3	50.6	54.0	57.4	60.8	63.4	65.7	65.7	65.4	66.2	66.7
45°	45.2	48.6	51.7	55.1	58.2	61.6	64.7	63.9	62.8	64.1	65.2
47.5°	42.3	46.0	49.6	53.0	56.6	59.7	62.6	62.1	61.3	62.6	63.9
50°	39.5	43.1	46.7	50.4	54.0	57.4	60.5	60.0	59.5	61.0	62.3
52.5°	36.6	40.3	44.2	47.8	51.4	54.3	56.9	56.6	56.4	57.9	59.7
55°	33.8	37.1	40.8	44.2	47.5	50.6	53.5	53.0	52.5	53.8	55.1
57.5°	30.6	34.0	37.1	40.5	43.6	46.2	48.6	47.8	47.0	48.6	50.1
60°	27.3	30.4	33.5	36.4	39.5	41.6	43.4	42.9	42.1	43.6	45.2
62.5°	24.2	27.0	29.9	32.5	35.3	36.9	38.4	37.9	37.4	39.0	40.8
65°	21.8	24.2	26.2	28.6	30.6	32.2	33.8	33.0	32.2	34.0	35.6
67.5°	19.5	21.3	23.4	25.2	27.0	28.3	29.6	29.1	28.3	29.6	30.9
70°	16.6	18.4	20.3	21.8	23.6	24.9	26.2	25.5	24.4	25.7	27.0
72.5°	14.0	15.6	17.1	18.4	20.0	21.0	22.1	21.3	20.5	21.6	22.6
75°	12.2	13.5	14.8	15.8	17.1	17.7	18.2	17.9	17.4	18.4	19.2
77.5°	9.9	10.9	12.2	13.2	14.3	14.3	14.3	14.5	14.5	15.6	16.9
80°	5.2	6.2	7.3	8.1	9.1	9.1	8.8	9.3	9.6	10.9	12.2
82.5°	0.0	0.8	1.6	2.3	3.1	2.9	2.3	2.6	2.6	3.1	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5
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: P367029
 CATALOG NUMBER: MSA-SA1D-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: P367029
 CATALOG NUMBER: MSA-SA1D-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°	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
2.5°	585.6	582.5	580.4	578.6	576.5	574.5	577.1	579.7	582.0	584.6	592.4
5°	582.3	582.3	580.4	578.6	576.8	575.0	578.9	582.5	586.4	590.1	589.8
7.5°	463.6	462.5	473.4	484.1	495.0	505.6	508.5	511.4	514.0	516.8	516.0
10°	402.8	417.1	421.8	426.4	431.1	435.8	441.5	447.2	452.9	458.6	460.7
12.5°	352.7	361.5	376.6	391.4	406.4	421.2	428.8	436.6	444.1	451.6	466.4
15°	290.6	299.4	312.4	325.4	338.4	351.4	363.3	375.5	387.5	399.4	417.3
17.5°	204.4	211.9	221.8	231.7	241.3	251.1	269.6	288.0	306.5	324.9	343.9
20°	140.2	141.8	146.5	151.4	156.1	160.8	177.4	194.3	210.9	227.5	252.4
22.5°	114.3	115.0	117.4	119.7	121.8	124.1	132.7	141.5	150.1	158.7	178.9
25°	101.3	101.3	102.8	104.4	106.0	107.5	112.2	116.9	121.3	126.0	138.9
27.5°	89.9	88.6	90.9	93.2	95.6	97.9	101.3	104.9	108.3	111.7	120.5
30°	86.0	84.7	87.5	90.4	93.2	96.1	99.5	102.8	106.0	109.3	115.3
32.5°	91.2	91.4	92.5	93.5	94.3	95.3	96.9	98.7	100.2	101.8	107.0
35°	72.5	72.5	74.3	76.1	77.7	79.5	82.3	85.2	88.0	90.9	96.4
37.5°	70.4	70.9	72.5	74.3	75.8	77.4	81.0	84.9	88.6	92.2	96.6
40°	68.3	68.8	70.9	73.0	75.1	77.1	80.8	84.1	87.8	91.2	95.3
42.5°	67.5	68.0	70.6	73.5	76.1	78.7	81.8	84.9	87.8	90.9	96.6
45°	66.5	67.5	70.6	74.0	77.1	80.2	83.1	86.0	88.8	91.7	98.7
47.5°	64.9	66.2	69.9	73.2	76.9	80.2	85.7	91.4	96.9	102.3	105.7
50°	63.9	65.2	69.1	73.0	76.9	80.8	89.6	98.4	107.0	115.8	114.0
52.5°	61.3	62.8	67.8	72.7	77.7	82.6	90.4	98.2	106.0	113.8	110.1
55°	56.4	57.7	63.4	69.1	74.5	80.2	86.0	91.7	97.1	102.8	98.7
57.5°	51.4	53.0	58.4	63.9	69.1	74.5	77.4	80.2	83.1	86.0	84.4
60°	46.7	48.3	55.6	62.8	70.1	77.4	74.8	72.2	69.3	66.7	68.6
62.5°	42.3	43.9	50.9	57.7	64.7	71.4	67.8	64.1	60.5	56.9	59.7
65°	37.4	39.0	41.6	44.4	47.0	49.6	49.3	48.8	48.6	48.0	51.2
67.5°	32.2	33.5	34.8	36.4	37.7	39.0	39.7	40.8	41.6	42.3	44.9
70°	28.0	29.3	30.9	32.2	33.8	35.1	35.6	36.1	36.4	36.9	39.2
72.5°	23.4	24.4	26.5	28.6	30.4	32.5	32.7	32.7	33.0	33.0	34.8
75°	20.3	21.0	22.6	24.2	25.5	27.0	27.8	28.6	29.1	29.9	30.9
77.5°	17.9	19.0	19.5	19.7	20.3	20.5	21.0	21.6	22.1	22.6	22.9
80°	13.2	14.5	15.1	15.3	15.8	16.1	16.1	15.8	15.8	15.6	15.8
82.5°	4.2	4.7	5.5	6.2	7.0	7.8	8.1	8.3	8.3	8.6	8.3
85°	0.8	1.0	1.6	2.1	2.3	2.9	2.6	2.1	1.8	1.3	1.0
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: P367029
 CATALOG NUMBER: MSA-SA1D-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: P367029
 CATALOG NUMBER: MSA-SA1D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
2.5°	600.2	607.7	615.5	612.4	609.3	606.2	603.0	603.6	604.3	604.9	605.4
5°	589.5	589.0	588.8	597.6	606.7	615.5	624.3	633.9	643.8	653.4	663.0
7.5°	515.3	514.2	513.4	524.9	536.3	547.7	559.1	572.4	585.9	599.1	612.4
10°	462.8	464.9	467.0	471.6	476.6	481.2	485.9	498.6	511.4	523.8	536.6
12.5°	481.2	495.8	510.6	513.4	516.0	518.9	521.5	523.3	525.1	526.9	528.8
15°	435.5	453.4	471.4	478.9	486.2	493.7	501.0	520.2	539.2	558.4	577.3
17.5°	362.8	381.5	400.5	423.1	445.7	468.3	490.8	511.6	532.4	553.2	574.0
20°	277.6	302.6	327.5	356.1	384.9	413.5	442.0	462.8	483.3	504.1	524.6
22.5°	199.5	219.7	240.0	274.5	308.8	343.3	377.6	413.7	450.1	486.2	522.3
25°	151.9	164.7	177.6	211.7	245.7	279.4	313.5	363.1	412.7	462.3	511.9
27.5°	129.1	137.9	146.5	177.1	207.8	238.2	268.8	327.7	386.7	445.7	504.6
30°	121.5	127.5	133.5	159.5	185.7	211.7	237.6	297.4	357.1	416.8	476.6
32.5°	112.2	117.1	122.3	145.2	168.0	190.6	213.5	271.9	330.3	388.5	447.0
35°	101.5	107.0	112.2	135.0	157.9	180.5	203.4	263.9	324.4	384.9	445.4
37.5°	100.8	105.2	109.3	135.8	162.6	189.1	215.6	276.1	336.6	396.8	457.3
40°	99.7	103.9	108.0	135.0	161.8	188.8	215.6	278.9	342.3	405.7	469.0
42.5°	102.3	107.8	113.5	137.4	161.3	184.9	208.8	275.5	342.3	408.8	475.5
45°	106.0	113.0	120.0	141.8	163.6	185.4	207.2	279.7	352.2	424.4	496.8
47.5°	109.3	112.7	116.1	136.9	157.4	178.2	198.7	272.7	346.7	420.7	494.7
50°	112.5	110.6	108.8	131.7	154.5	177.1	200.0	270.6	341.0	411.6	482.0
52.5°	106.2	102.6	98.7	123.1	147.5	171.7	196.1	267.2	338.4	409.6	480.7
55°	94.5	90.4	86.2	110.4	134.3	158.4	182.3	253.2	324.1	395.0	465.9
57.5°	82.6	81.0	79.2	97.6	116.1	134.3	152.7	231.4	310.3	389.0	467.7
60°	70.4	71.9	73.8	87.0	100.2	113.2	126.5	203.6	280.5	357.6	434.5
62.5°	62.3	65.2	67.8	79.0	90.4	101.5	112.7	185.4	258.1	330.9	403.6
65°	54.5	57.7	60.8	74.0	87.5	100.8	114.0	175.6	237.1	298.7	360.2
67.5°	47.5	49.9	52.5	69.9	87.3	104.7	122.1	172.4	222.6	273.0	323.1
70°	41.6	43.6	46.0	66.2	86.5	106.7	127.0	169.8	213.0	255.8	298.7
72.5°	36.6	38.4	40.3	60.8	81.3	101.8	122.3	160.5	198.4	236.6	274.5
75°	31.9	32.7	33.8	51.2	68.3	85.7	102.8	128.3	154.0	179.5	204.9
77.5°	23.1	23.1	23.4	28.6	33.5	38.7	43.6	59.5	75.3	90.9	106.7
80°	15.8	16.1	16.1	18.2	20.0	22.1	23.9	27.3	30.4	33.8	36.9
82.5°	8.1	7.5	7.3	9.3	11.4	13.5	15.6	16.4	16.9	17.7	18.2
85°	0.8	0.3	0.0	1.3	2.6	3.9	5.2	6.2	7.3	8.3	9.3
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: P367029
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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: P367029

CATALOG NUMBER: MSA-SA1D-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°	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
2.5°	603.3	601.2	599.1	597.1	609.8	622.8	635.5	648.2	684.3	708.0	705.4
5°	672.4	681.7	691.1	700.4	715.5	730.8	745.9	760.9	814.4	847.2	851.8
7.5°	626.9	641.2	655.8	670.0	699.1	728.0	757.0	785.9	829.8	863.8	883.0
10°	552.9	569.3	585.4	601.7	634.5	667.4	700.2	732.9	782.2	829.2	853.4
12.5°	554.5	580.2	605.9	631.6	660.2	688.7	717.0	745.6	775.7	791.6	825.6
15°	597.6	617.8	638.1	658.4	695.8	733.2	770.3	807.7	825.6	863.8	903.5
17.5°	613.4	653.2	692.6	732.1	778.9	825.3	872.1	918.6	952.3	1005.3	1046.4
20°	584.1	643.6	702.8	762.2	826.4	890.5	954.7	1018.8	1055.7	1106.1	1169.5
22.5°	585.4	648.5	711.3	774.4	863.0	951.3	1039.9	1128.2	1227.1	1324.2	1355.1
25°	594.5	677.1	759.4	842.0	944.3	1046.6	1148.9	1251.3	1370.7	1472.8	1513.8
27.5°	597.6	690.6	783.3	876.2	1021.7	1167.1	1312.6	1458.0	1600.6	1715.9	1759.8
30°	590.1	703.8	817.3	930.8	1109.2	1287.6	1466.0	1644.5	1779.8	1914.0	1968.6
32.5°	591.9	736.8	881.7	1026.6	1236.7	1447.1	1657.2	1867.3	1953.8	2074.8	2170.9
35°	604.3	763.3	922.0	1080.9	1313.3	1545.8	1778.2	2010.6	2152.4	2280.2	2361.8
37.5°	633.4	809.5	985.3	1161.4	1447.1	1733.0	2018.7	2304.4	2523.8	2743.3	2780.7
40°	655.0	840.9	1026.9	1212.8	1544.5	1876.1	2207.8	2539.4	2787.7	3025.8	3051.3
42.5°	679.4	883.0	1086.9	1290.5	1661.3	2032.2	2403.1	2773.9	3061.4	3304.2	3321.1
45°	706.1	915.7	1125.0	1334.4	1722.9	2111.2	2499.7	2887.9	3223.7	3505.8	3442.1
47.5°	718.9	943.0	1167.1	1391.2	1807.8	2224.1	2640.7	3057.0	3358.3	3607.1	3532.8
50°	728.7	975.2	1221.9	1468.4	1905.2	2342.0	2778.9	3215.7	3517.7	3747.3	3631.0
52.5°	756.5	1032.1	1307.9	1583.4	2048.0	2512.4	2977.0	3441.4	3733.5	3944.4	3781.3
55°	783.5	1100.9	1418.5	1735.9	2235.6	2735.5	3235.2	3734.8	4025.7	4206.5	3984.9
57.5°	817.6	1167.6	1517.5	1867.3	2401.8	2936.2	3470.5	4004.9	4289.3	4489.0	4258.9
60°	808.7	1182.7	1556.9	1930.9	2475.3	3019.6	3564.0	4108.3	4446.2	4691.6	4535.5
62.5°	774.4	1145.3	1515.9	1886.8	2421.5	2956.0	3490.7	4025.2	4430.1	4762.5	4710.0
65°	705.1	1049.7	1394.6	1739.3	2249.8	2760.7	3271.3	3781.8	4281.5	4704.6	4723.3
67.5°	613.9	904.8	1195.4	1486.3	1962.6	2438.9	2914.9	3391.2	3981.0	4474.5	4530.1
70°	517.3	735.7	954.4	1172.8	1592.0	2011.2	2430.1	2849.2	3462.4	3959.0	4063.9
72.5°	414.8	555.3	695.5	835.7	1138.3	1440.6	1743.1	2045.4	2584.9	2970.3	3153.4
75°	268.8	332.7	396.6	460.5	662.0	863.3	1064.8	1266.1	1624.2	1908.1	2115.0
77.5°	119.7	132.7	145.4	158.4	314.0	469.5	625.1	780.7	936.2	1107.6	1156.2
80°	42.9	48.6	54.5	60.3	136.6	213.2	289.6	365.9	441.2	529.8	551.4
82.5°	17.9	17.9	17.7	17.4	44.7	71.9	99.2	126.5	146.2	168.0	172.2
85°	7.3	5.5	3.4	1.3	5.7	10.4	14.8	19.2	30.9	28.0	51.9
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: P367029
 CATALOG NUMBER: MSA-SA1D-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: P367029

CATALOG NUMBER: MSA-SA1D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
2.5°	695.5	695.0	694.5	693.9	693.4	684.1	675.0	665.6	656.5	668.0	679.4
5°	844.3	857.8	871.3	885.1	898.6	902.5	906.4	910.3	914.2	922.5	930.8
7.5°	899.1	922.0	944.6	967.4	990.0	1011.0	1031.8	1052.8	1073.9	1068.7	1063.5
10°	880.1	921.4	962.7	1004.3	1045.6	1054.7	1063.8	1073.1	1082.2	1105.8	1129.5
12.5°	859.6	909.2	958.8	1008.4	1058.0	1085.6	1112.8	1140.4	1167.9	1191.8	1215.7
15°	957.0	988.7	1020.4	1052.3	1084.0	1108.2	1132.1	1156.2	1180.1	1196.7	1213.1
17.5°	1085.1	1100.6	1116.2	1132.1	1147.6	1166.6	1185.6	1204.5	1223.5	1233.3	1243.2
20°	1220.4	1227.1	1233.9	1240.6	1247.4	1232.3	1217.2	1202.2	1187.1	1196.5	1205.6
22.5°	1356.2	1358.5	1361.1	1363.5	1365.8	1330.7	1295.7	1260.6	1225.6	1210.8	1195.9
25°	1565.3	1548.1	1531.0	1513.8	1496.7	1455.1	1413.6	1372.0	1330.5	1293.9	1257.2
27.5°	1791.7	1733.5	1675.6	1617.5	1559.5	1518.0	1476.4	1434.9	1393.3	1338.3	1283.2
30°	2020.0	1926.2	1832.7	1739.0	1645.5	1596.2	1546.8	1497.2	1447.9	1392.8	1338.0
32.5°	2229.3	2116.6	2003.9	1890.9	1778.2	1695.1	1612.0	1528.9	1445.8	1407.3	1368.9
35°	2402.8	2269.6	2136.3	2002.9	1869.6	1787.3	1705.0	1622.6	1540.3	1483.2	1426.3
37.5°	2699.4	2549.5	2399.7	2249.8	2100.0	1987.5	1875.3	1762.9	1650.4	1612.3	1574.1
40°	2972.9	2784.1	2595.2	2406.4	2217.6	2123.4	2029.3	1935.1	1841.1	1778.5	1716.1
42.5°	3190.2	2991.3	2792.6	2593.7	2394.8	2301.5	2208.5	2115.3	2022.1	1980.3	1938.7
45°	3237.2	3049.7	2862.5	2675.0	2487.5	2433.2	2379.2	2324.9	2270.9	2242.0	2213.5
47.5°	3330.0	3126.6	2923.5	2720.2	2516.8	2492.4	2468.0	2443.3	2418.9	2432.7	2446.4
50°	3381.9	3174.4	2966.9	2759.4	2551.9	2558.9	2565.6	2572.7	2579.7	2677.3	2774.7
52.5°	3482.7	3273.1	3063.5	2853.9	2644.3	2688.5	2732.4	2776.5	2820.4	2954.9	3089.2
55°	3662.6	3456.7	3250.7	3044.5	2838.6	2896.8	2954.9	3013.4	3071.5	3214.4	3357.0
57.5°	3929.4	3725.0	3520.8	3316.5	3112.3	3170.2	3228.2	3286.1	3344.0	3473.1	3601.9
60°	4265.2	4055.3	3845.7	3635.9	3426.3	3448.1	3469.7	3491.5	3513.3	3652.0	3790.4
62.5°	4526.7	4333.7	4141.0	3948.1	3755.4	3731.2	3707.3	3683.2	3659.3	3764.7	3869.9
65°	4587.5	4451.6	4316.1	4180.2	4044.4	3970.1	3896.1	3821.8	3747.6	3790.2	3832.7
67.5°	4413.5	4321.8	4230.4	4138.7	4047.0	3892.0	3736.9	3581.6	3426.6	3404.0	3381.4
70°	4009.6	3959.5	3909.6	3859.5	3809.6	3570.7	3332.0	3093.1	2854.4	2797.0	2739.6
72.5°	3164.0	3195.2	3226.3	3257.8	3288.9	3033.1	2777.6	2521.7	2265.9	2193.2	2120.8
75°	2231.1	2336.8	2442.5	2548.2	2653.9	2420.7	2187.8	1954.6	1721.3	1651.5	1581.9
77.5°	1209.7	1407.9	1606.0	1804.2	2002.3	1809.9	1617.7	1425.3	1232.8	1184.3	1136.0
80°	573.4	687.7	801.7	916.0	1030.3	986.9	943.5	899.9	856.5	867.2	877.8
82.5°	175.8	258.4	341.0	423.6	506.2	512.7	518.9	525.4	531.9	548.0	563.8
85°	59.0	80.8	102.6	124.4	146.2	184.7	223.1	261.8	300.2	275.3	250.6
87.5°	0.0	0.8	1.3	2.1	2.6	8.1	13.5	19.0	24.4	21.0	17.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P367029

CATALOG NUMBER: MSA-SA1D-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°	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
2.5°	691.1	702.5	702.8	703.3	703.5	703.8	705.1	706.4	708.0	709.3	700.7
5°	939.4	947.7	932.3	917.0	901.4	886.1	899.9	913.6	927.4	941.2	935.2
7.5°	1058.0	1052.8	1051.0	1049.5	1047.7	1046.1	1051.3	1056.5	1061.7	1066.9	1066.4
10°	1153.1	1176.7	1182.4	1188.2	1194.1	1199.8	1187.9	1176.0	1164.0	1152.1	1147.1
12.5°	1239.6	1263.5	1282.4	1301.4	1320.6	1339.6	1322.4	1305.5	1288.4	1271.5	1255.4
15°	1229.7	1246.1	1261.7	1277.2	1292.8	1308.4	1302.7	1297.2	1291.5	1285.8	1283.2
17.5°	1253.3	1263.2	1259.6	1255.9	1252.0	1248.4	1246.6	1245.0	1243.2	1241.4	1235.2
20°	1214.9	1224.3	1221.9	1219.8	1217.5	1215.2	1213.6	1212.0	1210.5	1208.9	1204.0
22.5°	1181.1	1166.3	1162.4	1158.8	1154.9	1151.3	1151.8	1152.3	1152.6	1153.1	1175.4
25°	1220.6	1184.0	1169.7	1155.4	1140.9	1126.6	1133.1	1139.3	1145.8	1152.3	1184.5
27.5°	1227.9	1172.8	1150.0	1127.1	1104.3	1081.4	1104.8	1128.2	1151.5	1174.9	1227.1
30°	1282.9	1228.2	1196.2	1164.5	1132.6	1100.9	1130.8	1160.6	1190.5	1220.4	1277.0
32.5°	1330.2	1291.8	1268.9	1246.1	1223.2	1200.4	1201.7	1202.7	1204.0	1205.3	1285.0
35°	1369.2	1312.3	1291.5	1271.0	1250.2	1229.7	1260.6	1291.5	1322.4	1353.3	1425.0
37.5°	1535.9	1497.7	1459.6	1421.6	1383.5	1345.5	1370.2	1394.9	1419.8	1444.5	1523.7
40°	1653.6	1591.2	1581.4	1571.7	1561.9	1552.3	1565.0	1577.5	1590.2	1602.9	1672.2
42.5°	1896.9	1855.1	1828.3	1801.8	1775.1	1748.6	1758.7	1768.9	1779.2	1789.4	1855.1
45°	2184.7	2155.8	2138.2	2120.5	2102.6	2084.9	2069.6	2054.5	2039.2	2024.2	2090.9
47.5°	2460.2	2474.0	2512.9	2551.6	2590.6	2629.3	2597.6	2565.9	2534.0	2502.3	2502.5
50°	2872.4	2969.7	2989.5	3009.0	3028.7	3048.2	2980.7	2913.1	2845.3	2777.8	2769.8
52.5°	3223.7	3358.0	3365.0	3372.0	3379.3	3386.3	3359.0	3331.8	3304.2	3277.0	3204.5
55°	3499.8	3642.4	3652.0	3661.3	3671.0	3680.3	3656.4	3632.8	3608.9	3585.0	3511.8
57.5°	3730.9	3859.8	3865.5	3870.9	3876.6	3882.4	3884.2	3886.0	3888.1	3889.9	3790.9
60°	3929.1	4067.8	4056.4	4045.2	4033.8	4022.6	4005.5	3988.3	3971.2	3954.0	3890.1
62.5°	3975.3	4080.8	4063.1	4045.7	4028.0	4010.6	3996.1	3981.8	3967.3	3952.7	3912.0
65°	3875.3	3917.9	3899.8	3881.6	3863.1	3845.0	3835.6	3826.5	3817.2	3807.8	3802.6
67.5°	3358.5	3335.9	3357.5	3379.0	3400.6	3422.2	3451.5	3480.8	3510.5	3539.8	3522.7
70°	2682.0	2624.6	2648.5	2672.1	2696.0	2719.6	2764.1	2808.5	2853.1	2897.5	2885.6
72.5°	2048.0	1975.3	1978.7	1982.1	1985.7	1989.1	1987.8	1986.8	1985.5	1984.2	2004.9
75°	1512.0	1442.1	1409.2	1376.2	1343.2	1310.2	1302.2	1294.1	1286.1	1278.0	1316.7
77.5°	1087.4	1039.1	1016.5	994.2	971.6	949.2	960.7	972.1	983.8	995.2	1008.7
80°	888.7	899.4	882.0	864.8	847.4	830.0	843.0	855.7	868.7	881.7	841.4
82.5°	579.9	595.8	542.3	488.8	435.3	381.8	414.2	446.7	479.4	511.9	495.3
85°	225.7	201.0	171.4	142.1	112.5	82.8	107.8	132.7	157.6	182.6	199.2
87.5°	14.5	11.4	9.1	6.8	4.2	1.8	3.9	6.0	8.3	10.4	17.4
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: P367029
 CATALOG NUMBER: MSA-SA1D-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: P367029

CATALOG NUMBER: MSA-SA1D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
2.5°	692.4	683.8	675.5	659.1	642.8	626.4	610.1	632.9	655.8	678.6	701.5
5°	929.5	923.5	917.8	919.4	920.9	922.7	924.3	927.7	931.0	934.2	937.5
7.5°	1066.1	1065.6	1065.1	1053.1	1041.2	1029.0	1017.0	1023.0	1029.0	1034.9	1040.9
10°	1142.4	1137.5	1132.6	1106.3	1080.1	1053.6	1027.4	1016.0	1004.3	992.9	981.4
12.5°	1239.3	1223.0	1206.9	1178.8	1151.0	1123.0	1094.9	1084.5	1073.9	1063.5	1052.8
15°	1280.9	1278.3	1275.9	1255.9	1235.7	1215.7	1195.4	1159.8	1124.0	1088.4	1052.8
17.5°	1228.9	1222.4	1216.2	1247.9	1279.3	1311.0	1342.7	1305.8	1268.9	1232.0	1195.2
20°	1199.1	1194.1	1189.2	1248.1	1306.8	1365.8	1424.5	1408.1	1391.5	1375.1	1358.8
22.5°	1197.8	1220.4	1242.7	1294.4	1345.8	1397.5	1448.9	1477.2	1505.8	1534.1	1562.4
25°	1216.7	1249.2	1281.4	1367.1	1452.8	1538.8	1624.5	1656.9	1689.1	1721.6	1753.8
27.5°	1279.1	1331.3	1383.2	1458.0	1532.8	1607.8	1682.6	1753.5	1824.7	1895.6	1966.5
30°	1333.3	1389.9	1446.6	1535.6	1624.5	1713.5	1802.4	1891.2	1980.0	2068.8	2157.6
32.5°	1364.8	1444.7	1524.5	1632.8	1740.8	1849.1	1957.4	2054.8	2152.2	2249.3	2346.7
35°	1496.7	1568.6	1640.3	1760.0	1879.8	1999.7	2119.5	2240.0	2360.5	2480.7	2601.2
37.5°	1602.9	1682.4	1761.6	1892.5	2023.1	2154.0	2284.9	2451.4	2618.1	2784.6	2951.0
40°	1741.6	1810.9	1880.3	2002.9	2125.2	2247.8	2370.3	2581.5	2792.6	3003.5	3214.6
42.5°	1920.5	1986.2	2051.9	2183.1	2314.2	2445.4	2576.5	2810.3	3044.0	3277.5	3511.2
45°	2157.6	2224.6	2291.4	2395.8	2500.2	2604.6	2709.0	2957.5	3205.8	3454.4	3702.6
47.5°	2502.8	2503.1	2503.3	2578.6	2653.9	2729.5	2804.8	3055.2	3305.3	3555.6	3805.7
50°	2761.7	2753.4	2745.4	2784.3	2823.0	2862.0	2900.9	3131.3	3361.9	3592.3	3822.6
52.5°	3132.3	3059.9	2987.7	3010.8	3033.6	3056.7	3079.6	3274.6	3469.9	3665.0	3860.0
55°	3438.8	3365.5	3292.3	3283.7	3275.2	3266.6	3258.0	3437.5	3616.9	3796.4	3975.8
57.5°	3692.2	3593.3	3494.6	3474.9	3455.4	3435.7	3415.9	3605.2	3794.3	3983.6	4172.7
60°	3826.5	3762.6	3698.7	3686.0	3673.0	3660.3	3647.3	3802.6	3957.9	4113.2	4268.5
62.5°	3871.4	3830.7	3790.2	3814.0	3837.9	3862.1	3886.0	3954.3	4022.3	4090.6	4158.7
65°	3797.7	3792.5	3787.3	3836.4	3885.2	3934.3	3983.4	3966.5	3949.4	3932.5	3915.6
67.5°	3505.8	3488.6	3471.8	3579.5	3687.1	3794.8	3902.6	3820.8	3738.7	3656.9	3575.1
70°	2873.7	2861.4	2849.5	3004.8	3160.1	3315.7	3471.0	3371.8	3272.6	3173.4	3074.1
72.5°	2025.5	2046.2	2067.0	2250.1	2432.9	2616.0	2798.9	2698.9	2598.9	2498.9	2398.9
75°	1355.1	1393.8	1432.5	1621.1	1809.6	1998.4	2187.0	2069.6	1952.2	1834.8	1717.4
77.5°	1022.2	1035.7	1049.2	1168.4	1287.6	1407.1	1526.3	1429.4	1332.3	1235.4	1138.3
80°	801.2	760.7	720.4	759.6	798.9	838.1	877.3	819.4	761.5	703.8	645.9
82.5°	478.6	462.0	445.4	466.7	487.7	509.0	530.3	505.4	480.2	455.3	430.1
85°	215.6	232.2	248.5	270.1	291.4	312.9	334.5	299.7	264.9	230.1	195.3
87.5°	24.2	31.2	38.2	47.3	56.4	65.4	74.5	58.2	41.6	25.2	8.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	549.0	549.0
2.5°	714.7	728.0
5°	937.3	936.8
7.5°	1025.3	1009.5
10°	966.9	952.3
12.5°	1015.7	978.6
15°	1024.8	996.8
17.5°	1149.5	1103.5
20°	1299.8	1240.6
22.5°	1481.4	1400.1
25°	1657.2	1560.6
27.5°	1908.6	1850.4
30°	2098.9	2040.0
32.5°	2306.7	2266.7
35°	2561.5	2521.5
37.5°	2961.4	2971.6
40°	3220.9	3227.1
42.5°	3535.4	3559.5
45°	3729.6	3756.7
47.5°	3843.4	3881.1
50°	3883.4	3944.2
52.5°	3935.1	4009.9
55°	4059.2	4142.6
57.5°	4239.2	4305.7
60°	4271.7	4274.8
62.5°	4110.6	4062.6
65°	3864.4	3813.3
67.5°	3544.2	3513.0
70°	3033.1	2992.1
72.5°	2322.6	2246.2
75°	1622.9	1528.4
77.5°	1088.7	1039.1
80°	647.4	648.7
82.5°	442.0	453.7
85°	193.0	190.4
87.5°	6.2	3.4
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)