

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: P366986

Luminaire Tested: **MSA-SA1C-830-U-SLR**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P366986
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-24)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: MSA-SA1C-830-U-SLR
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4270 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

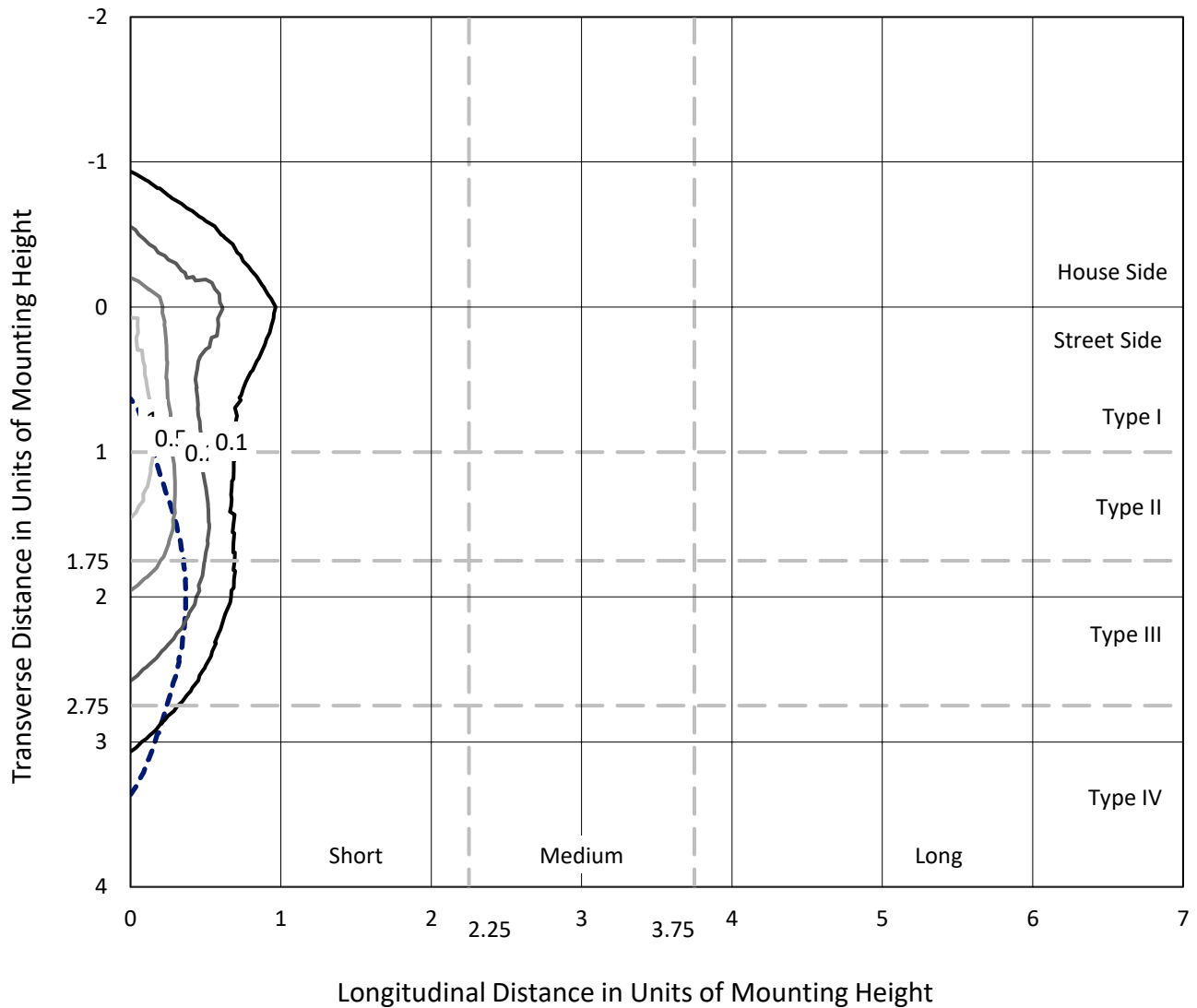
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

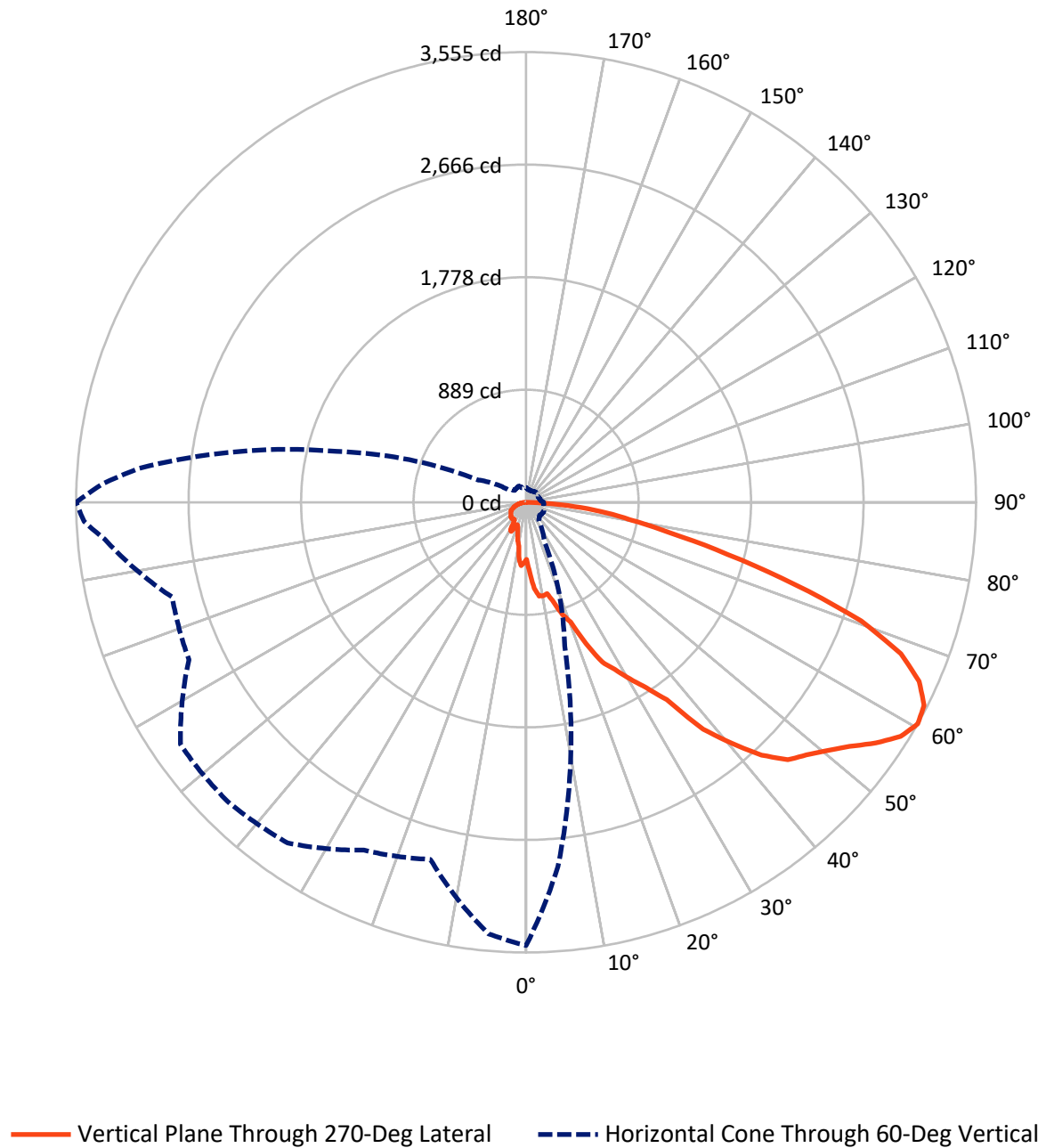
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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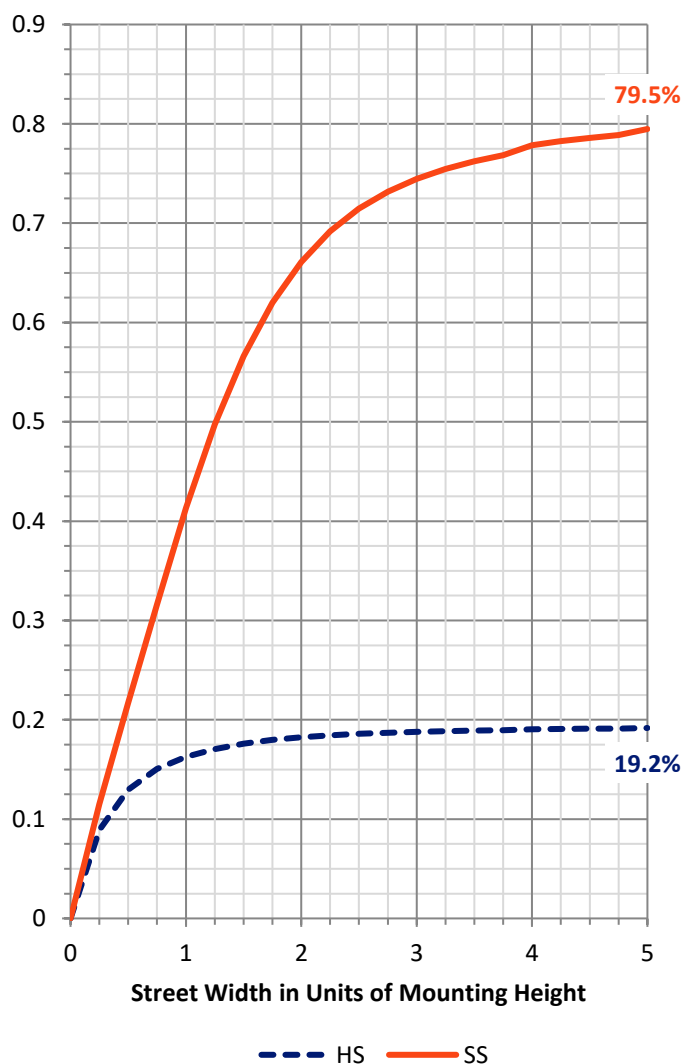
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	827.0	0.0	827.0
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	3443.0	0.0	3443.0
	% Fixture	80.6	0.0	80.6
Total	Lumens	4270.0	0.0	4270.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.6	1.2
10°-20°	150.0	3.5
20°-30°	264.9	6.2
30°-40°	412.5	9.7
40°-50°	679.1	15.9
50°-60°	969.4	22.7
60°-70°	1027.9	24.1
70°-80°	567.7	13.3
80°-90°	146.9	3.4
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°	4270.0	100.0
0°-180°	4270.0	100.0

Coefficient of Utilization



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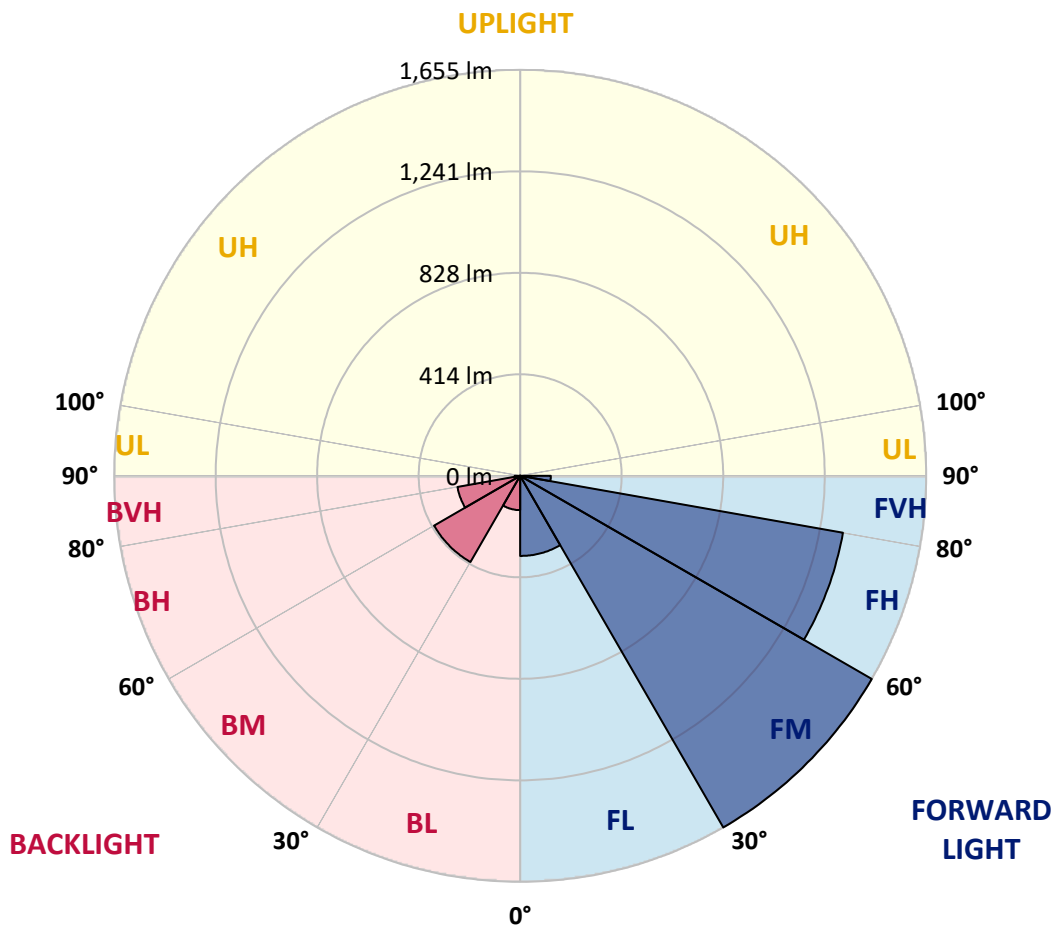
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	326.7	7.7			
FM (30°-60°)	1655.3	38.8			
FH (60°-80°)	1336.1	31.3			G1/1800
FVH (80°-90°)	124.8	2.9			G2/225
BL (0°-30°)	139.8	3.3	B1/500		
BM (30°-60°)	405.7	9.5	B1/1000		
BH (60°-80°)	259.5	6.1	B1/500		G1/500
BVH (80°-90°)	22.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4
2.5°	603.1	606.9	610.4	603.3	596.3	589.0	582.0	571.4	560.6	550.1	539.3
5°	724.4	710.7	696.8	691.2	685.8	680.2	674.6	669.4	664.3	658.9	653.7
7.5°	762.3	742.8	723.1	714.8	706.5	698.0	689.8	671.1	652.5	633.6	614.9
10°	720.6	700.3	679.8	671.7	663.4	655.4	647.1	624.3	601.7	578.9	556.1
12.5°	754.2	733.5	712.6	686.9	661.2	635.2	609.5	596.9	584.3	571.4	558.8
15°	786.5	758.6	730.4	704.7	679.0	653.1	627.4	602.1	576.8	551.5	526.2
17.5°	904.7	858.1	811.4	765.0	718.4	671.9	625.3	596.1	566.6	537.4	508.0
20°	1048.7	983.9	918.8	848.3	777.6	707.2	636.5	599.6	562.9	526.0	489.1
22.5°	1220.1	1138.3	1056.4	967.5	878.6	789.4	700.5	647.1	593.6	539.9	486.4
25°	1356.3	1277.5	1198.8	1086.0	973.3	860.5	747.8	687.1	626.3	565.4	504.7
27.5°	1488.5	1363.1	1237.5	1108.4	979.5	850.4	721.3	665.1	608.9	552.8	496.6
30°	1600.2	1500.8	1401.3	1232.8	1064.3	895.6	727.1	658.0	589.0	520.0	451.0
32.5°	1763.8	1621.8	1479.6	1303.9	1128.1	952.4	776.6	688.3	600.0	511.7	423.4
35°	1955.1	1807.5	1659.9	1442.5	1225.3	1007.9	790.5	697.0	603.3	509.9	416.2
37.5°	2311.8	2051.7	1791.3	1554.0	1316.7	1079.2	841.9	733.3	624.7	515.9	407.3
40°	2508.5	2268.0	2027.6	1731.9	1436.1	1140.1	844.4	733.3	622.0	510.9	399.6
42.5°	2770.6	2466.6	2162.3	1842.5	1522.9	1203.1	883.3	760.2	637.1	513.8	390.7
45°	2930.4	2591.6	2252.5	1910.7	1569.0	1227.2	885.4	760.4	635.5	510.5	385.5
47.5°	3033.4	2708.0	2382.4	2014.6	1646.7	1278.6	910.7	778.1	645.2	512.6	379.7
50°	3131.1	2808.8	2486.3	2104.3	1722.5	1340.6	958.6	813.7	668.8	523.7	378.9
52.5°	3250.9	2954.1	2657.1	2247.3	1837.4	1427.6	1017.6	859.9	702.2	544.5	386.7
55°	3425.2	3132.7	2840.1	2400.3	1960.3	1520.5	1080.4	905.3	730.4	555.2	380.1
57.5°	3538.1	3241.5	2944.9	2496.4	2047.9	1599.2	1150.7	956.7	762.7	568.5	374.5
60°	3500.6	3194.7	2888.6	2461.0	2033.4	1605.8	1178.3	968.7	759.4	549.9	340.3
62.5°	3334.8	3009.6	2684.4	2301.4	1918.6	1535.6	1152.6	939.5	726.6	513.6	300.5
65°	3103.1	2766.9	2430.5	2085.0	1739.5	1394.0	1048.5	855.2	661.6	468.2	274.6
67.5°	2818.7	2468.2	2117.6	1811.7	1505.7	1199.6	893.7	732.0	570.6	408.9	247.3
70°	2462.0	2117.6	1773.1	1508.4	1243.8	979.1	714.4	592.8	471.3	349.6	228.0
72.5°	1978.9	1681.7	1384.5	1176.2	967.9	759.6	551.3	466.7	382.4	297.8	213.3
75°	1407.5	1232.8	1058.1	896.0	733.9	571.6	409.5	354.8	300.1	245.4	190.7
77.5°	1000.2	897.2	794.2	667.2	540.1	413.1	286.0	253.9	222.0	189.8	157.7
80°	739.5	653.5	567.5	471.7	376.0	280.2	184.5	168.7	153.2	137.4	121.7
82.5°	486.9	448.1	409.1	333.3	257.4	181.6	105.7	99.9	94.1	88.3	82.5
85°	218.0	230.3	242.3	195.9	149.2	102.8	56.2	53.5	50.8	48.1	45.4
87.5°	20.9	30.9	40.8	35.0	29.0	23.2	17.2	17.0	17.0	16.8	16.6
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



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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°	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4
2.5°	542.2	545.1	548.0	550.9	547.8	544.7	541.4	538.3	534.3	530.4	526.2
5°	645.0	636.1	627.4	618.5	605.2	591.9	578.5	565.2	563.5	561.7	560.0
7.5°	598.6	582.4	566.0	549.7	528.9	508.4	487.7	467.0	460.7	454.5	448.3
10°	545.1	533.9	522.9	511.7	498.9	486.0	473.0	460.1	443.1	425.9	408.9
12.5°	540.5	522.3	503.8	485.6	477.7	469.9	462.0	454.1	439.2	424.3	409.1
15°	511.5	496.6	481.9	467.0	455.6	444.2	432.8	421.4	409.3	397.1	385.1
17.5°	491.0	474.0	457.0	440.0	427.0	413.9	400.6	387.6	373.1	358.4	343.8
20°	469.6	450.4	430.9	411.4	394.8	378.5	361.9	345.3	329.3	313.6	297.6
22.5°	460.9	435.5	410.0	384.5	367.1	349.4	332.0	314.4	299.7	285.0	270.3
25°	474.2	443.9	413.5	383.0	359.6	336.0	312.5	288.9	276.7	264.5	252.0
27.5°	458.7	420.5	382.6	344.5	319.4	294.1	269.0	243.7	241.9	240.0	237.9
30°	411.0	371.0	331.0	291.0	268.0	244.8	221.8	198.6	194.2	189.6	185.3
32.5°	382.6	341.8	300.9	260.1	239.6	218.9	198.3	177.6	172.6	167.7	162.7
35°	371.8	327.5	283.1	238.8	221.1	203.5	185.9	168.3	164.8	161.5	157.9
37.5°	363.1	319.2	275.0	230.9	213.9	196.9	179.7	162.7	160.0	157.3	154.6
40°	354.8	310.3	265.5	220.7	205.6	190.7	175.5	160.4	158.8	157.1	155.2
42.5°	347.4	304.0	260.5	217.2	203.7	190.5	177.0	163.5	161.9	160.2	158.6
45°	343.2	300.9	258.7	216.4	206.6	196.9	186.9	177.2	173.3	169.3	165.2
47.5°	340.1	300.5	260.9	221.4	211.2	201.0	190.9	180.7	177.2	173.7	170.0
50°	340.7	302.8	264.7	226.5	214.3	201.9	189.6	177.2	176.8	176.4	176.0
52.5°	346.3	306.1	265.7	225.3	212.0	198.8	185.3	172.0	174.7	177.2	179.9
55°	338.2	296.4	254.3	212.4	199.8	187.4	174.7	162.1	165.6	168.9	172.4
57.5°	329.1	283.7	238.3	193.0	183.4	173.9	164.1	154.6	158.3	162.3	166.0
60°	298.9	257.4	216.0	174.5	168.1	161.7	155.2	148.8	150.5	152.1	153.8
62.5°	265.7	230.7	195.9	160.8	155.9	150.7	145.7	140.5	140.5	140.7	140.7
65°	244.6	214.5	184.5	154.4	148.8	143.2	137.4	131.8	131.0	130.2	129.3
67.5°	223.4	199.8	176.0	152.1	144.0	136.2	128.1	120.0	119.0	118.1	117.1
70°	206.8	185.7	164.6	143.4	134.3	125.4	116.3	107.2	106.3	105.7	104.9
72.5°	193.4	173.7	153.8	133.9	124.4	114.6	105.1	95.3	94.7	94.1	93.3
75°	173.1	155.7	138.0	120.4	111.1	102.0	92.6	83.3	82.5	81.9	81.0
77.5°	143.2	128.5	114.0	99.3	92.0	85.0	77.7	70.5	70.1	69.6	69.0
80°	110.3	98.9	87.3	75.9	71.1	66.1	61.3	56.4	56.2	56.0	55.5
82.5°	75.6	68.8	62.0	55.1	51.6	47.9	44.4	40.6	40.8	41.0	41.2
85°	43.1	40.6	38.3	35.9	33.0	30.3	27.4	24.5	25.1	25.7	26.1
87.5°	15.8	14.9	14.1	13.3	11.8	10.6	9.1	7.7	8.1	8.7	9.1
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):

	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: P366986
 CATALOG NUMBER: MSA-SA1C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4
2.5°	522.3	516.1	509.9	503.6	497.4	484.6	471.9	459.1	446.2	454.1	462.2
5°	558.1	547.6	536.8	526.2	515.5	509.4	503.4	497.4	491.4	494.5	497.8
7.5°	442.1	435.9	429.4	423.2	416.8	414.1	411.6	408.9	406.2	413.9	421.6
10°	391.7	383.0	374.3	365.4	356.7	351.5	346.3	341.1	336.0	338.0	340.1
12.5°	394.2	381.4	368.5	355.7	342.8	335.1	327.5	319.8	312.1	314.0	315.9
15°	372.9	359.6	346.3	333.1	319.8	310.9	301.8	292.9	283.7	280.6	277.3
17.5°	329.1	314.6	300.1	285.6	271.1	265.1	259.1	253.1	247.1	243.7	240.4
20°	281.7	268.2	254.7	241.2	227.8	223.6	219.5	215.1	211.0	208.9	206.6
22.5°	255.6	247.3	238.8	230.5	222.0	217.2	212.6	207.9	203.1	200.8	198.3
25°	239.8	241.5	243.3	245.0	246.6	244.6	242.3	240.2	237.9	238.8	239.4
27.5°	236.1	239.6	243.3	246.8	250.4	252.2	254.1	256.0	257.8	258.5	259.1
30°	180.7	182.6	184.3	186.1	187.8	193.0	198.1	203.1	208.3	216.4	224.7
32.5°	157.7	157.1	156.5	155.7	155.0	156.3	157.5	158.6	159.8	162.7	165.8
35°	154.4	153.0	151.3	149.8	148.2	148.8	149.4	150.1	150.7	153.0	155.2
37.5°	151.9	151.3	150.9	150.3	149.6	151.1	152.3	153.8	155.0	156.9	158.8
40°	153.6	153.4	153.2	152.7	152.5	153.4	154.2	155.0	155.9	158.3	160.8
42.5°	156.9	156.9	156.7	156.7	156.5	157.3	157.9	158.8	159.4	160.8	162.3
45°	161.2	160.8	160.6	160.2	159.8	159.6	159.6	159.4	159.2	160.0	161.0
47.5°	166.4	165.0	163.3	161.9	160.2	159.8	159.2	158.8	158.1	158.6	159.0
50°	175.5	171.6	167.9	163.9	160.0	159.0	157.9	156.9	155.9	155.7	155.7
52.5°	182.4	176.6	170.8	165.0	159.2	157.3	155.4	153.6	151.7	151.3	151.1
55°	175.8	171.4	167.3	162.9	158.6	155.9	153.0	150.3	147.4	146.7	146.1
57.5°	169.7	167.1	164.4	161.7	159.0	156.3	153.4	150.7	147.8	146.3	144.9
60°	155.4	155.4	155.7	155.7	155.7	152.7	149.8	146.9	144.0	142.6	141.4
62.5°	140.7	143.0	145.1	147.4	149.4	145.5	141.4	137.4	133.3	132.2	131.4
65°	128.5	129.1	130.0	130.6	131.2	128.1	125.0	121.9	118.8	118.1	117.3
67.5°	116.1	115.9	115.7	115.2	115.0	113.2	111.1	109.2	107.2	106.3	105.5
70°	104.0	103.8	103.6	103.2	103.0	101.3	99.7	98.0	96.4	95.8	95.1
72.5°	92.6	92.4	92.0	91.8	91.4	90.0	88.7	87.3	85.8	85.0	84.1
75°	80.2	79.8	79.4	79.0	78.6	77.3	76.1	74.6	73.4	72.5	71.7
77.5°	68.6	68.0	67.4	66.5	65.9	64.9	63.6	62.6	61.3	60.3	59.5
80°	55.3	54.9	54.5	53.9	53.5	52.4	51.4	50.2	49.1	47.9	46.8
82.5°	41.5	41.2	40.8	40.6	40.2	39.2	38.1	37.1	36.1	34.8	33.6
85°	26.7	26.5	26.3	26.1	25.9	25.1	24.5	23.6	22.8	21.6	20.5
87.5°	9.5	9.1	8.9	8.5	8.1	7.9	7.5	7.3	6.8	6.2	5.6
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: P366986
 CATALOG NUMBER: MSA-SA1C-830-U-SLR

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: P366986
 CATALOG NUMBER: MSA-SA1C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4
2.5°	470.1	477.9	478.1	478.1	481.9	485.4	478.1	470.9	463.4	456.2	448.9
5°	500.9	504.1	503.2	502.2	497.6	493.1	488.3	483.5	478.8	474.0	474.2
7.5°	429.2	436.9	443.1	449.1	443.3	437.5	434.4	431.3	428.2	425.1	424.7
10°	342.0	344.0	346.5	348.8	345.3	341.6	347.8	354.0	360.0	366.2	359.4
12.5°	317.7	319.6	315.2	310.7	309.2	307.8	306.3	304.7	303.2	301.6	300.7
15°	274.2	270.9	267.6	264.0	263.2	262.2	261.1	259.9	258.9	257.6	253.9
17.5°	237.1	233.8	228.2	222.4	220.1	217.6	217.0	216.4	215.5	214.9	211.4
20°	204.6	202.3	200.8	199.2	196.9	194.6	192.3	190.1	187.6	185.3	182.0
22.5°	196.1	193.6	191.7	189.6	189.2	188.8	184.7	180.3	176.2	171.8	170.0
25°	240.2	240.8	229.4	217.8	216.8	215.8	208.3	200.6	193.2	185.5	179.1
27.5°	259.5	260.1	259.7	259.3	256.0	252.4	239.8	226.9	214.3	201.5	192.3
30°	232.8	240.8	243.9	247.1	244.8	242.3	229.0	216.0	202.7	189.4	183.4
32.5°	168.7	171.6	176.8	181.8	184.5	186.9	182.8	178.7	174.5	170.4	169.3
35°	157.3	159.6	160.6	161.7	160.0	158.3	155.2	152.1	148.8	145.7	145.1
37.5°	160.4	162.3	164.4	166.4	161.9	157.1	153.6	150.3	146.7	143.2	140.3
40°	163.3	165.8	167.1	168.3	163.7	159.2	154.8	150.7	146.3	142.0	139.1
42.5°	163.7	165.2	167.5	169.7	163.3	156.7	152.7	148.6	144.7	140.5	137.6
45°	161.9	162.7	164.8	166.8	159.4	151.7	148.2	144.5	140.9	137.2	134.7
47.5°	159.2	159.6	161.2	162.7	154.8	146.7	143.4	140.1	136.6	133.3	130.8
50°	155.4	155.2	156.5	157.5	149.4	141.4	138.0	134.9	131.6	128.3	126.2
52.5°	150.7	150.3	151.5	152.5	144.0	135.5	132.6	130.0	127.0	124.1	122.5
55°	145.3	144.7	145.7	146.7	138.4	130.0	127.5	124.8	122.3	119.6	118.1
57.5°	143.2	141.8	142.4	143.0	133.7	124.4	121.9	119.4	116.9	114.4	113.4
60°	139.9	138.4	139.1	139.5	129.5	119.4	117.1	114.6	112.3	109.8	108.8
62.5°	130.4	129.3	130.2	131.0	122.1	113.0	110.9	109.0	106.9	104.9	103.4
65°	116.7	115.9	117.5	119.2	111.5	103.8	102.6	101.3	99.9	98.7	97.2
67.5°	104.7	103.8	105.5	107.2	101.6	96.0	94.7	93.5	92.2	91.0	90.2
70°	94.5	93.9	95.3	96.8	92.0	87.3	86.0	85.0	83.7	82.5	81.9
72.5°	83.1	82.3	84.1	85.8	81.9	77.7	76.7	75.4	74.4	73.2	72.7
75°	70.9	70.1	71.7	73.2	70.5	67.6	66.5	65.5	64.5	63.4	63.2
77.5°	58.4	57.4	59.1	60.5	58.9	57.0	56.2	55.1	54.3	53.3	53.3
80°	45.6	44.4	45.6	46.6	46.0	45.4	44.8	43.9	43.3	42.5	42.7
82.5°	32.3	31.1	31.7	32.3	32.7	33.2	33.2	33.2	33.2	33.2	33.2
85°	19.3	18.0	18.2	18.4	19.1	19.7	19.9	20.1	20.3	20.5	20.7
87.5°	5.0	4.4	3.9	3.3	3.9	4.4	4.8	5.0	5.4	5.6	5.6
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: P366986
 CATALOG NUMBER: MSA-SA1C-830-U-SLR

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: P366986
 CATALOG NUMBER: MSA-SA1C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4
2.5°	441.7	434.2	427.0	431.5	435.9	440.4	444.8	445.0	445.0	445.2	445.2
5°	474.6	474.8	475.0	470.7	466.5	462.2	457.8	455.6	453.3	450.8	448.5
7.5°	424.1	423.6	423.0	418.9	414.7	410.6	406.4	396.5	386.3	376.4	366.2
10°	352.3	345.5	338.5	336.8	335.3	333.7	332.0	329.3	326.8	324.2	321.5
12.5°	299.9	299.1	298.2	293.9	289.5	285.0	280.6	280.6	280.6	280.6	280.6
15°	250.0	246.2	242.3	240.2	237.9	235.9	233.6	232.5	231.5	230.5	229.4
17.5°	207.7	204.2	200.4	200.0	199.6	199.2	198.8	197.7	196.7	195.7	194.6
20°	178.7	175.3	172.0	173.3	174.5	175.5	176.8	175.8	174.7	173.5	172.4
22.5°	167.9	166.0	163.9	162.9	161.9	160.6	159.6	159.6	159.8	159.8	159.8
25°	172.9	166.4	160.0	156.9	153.8	150.5	147.4	146.1	145.1	143.8	142.6
27.5°	183.2	173.9	164.8	159.4	154.0	148.6	143.2	140.9	138.4	136.2	133.7
30°	177.2	171.2	165.0	158.8	152.5	146.3	140.1	137.2	134.3	131.2	128.3
32.5°	168.3	167.1	166.0	160.2	154.4	148.4	142.6	141.4	140.3	139.1	137.8
35°	144.3	143.6	142.8	141.4	139.9	138.4	137.0	135.3	133.7	132.0	130.4
37.5°	137.6	134.7	131.8	131.2	130.6	130.0	129.3	128.7	128.1	127.3	126.6
40°	136.2	133.3	130.4	129.3	128.3	127.0	126.0	126.2	126.6	126.8	127.0
42.5°	134.5	131.6	128.5	127.7	126.8	126.0	125.2	125.4	125.8	126.0	126.2
45°	132.4	130.0	127.5	126.0	124.8	123.3	121.9	123.1	124.4	125.4	126.6
47.5°	128.3	125.6	123.1	122.3	121.5	120.4	119.6	120.8	122.1	123.1	124.4
50°	123.9	121.9	119.6	119.4	119.2	118.8	118.6	119.4	120.2	121.0	121.9
52.5°	120.6	119.0	117.1	117.1	116.9	116.9	116.7	117.5	118.3	119.0	119.8
55°	116.9	115.4	114.0	114.2	114.6	114.8	115.0	115.9	116.9	117.7	118.6
57.5°	112.1	111.1	109.8	110.7	111.3	112.1	112.7	113.4	114.2	114.8	115.4
60°	107.6	106.5	105.3	106.1	107.2	108.0	108.8	109.4	110.1	110.7	111.3
62.5°	102.0	100.3	98.9	100.1	101.1	102.4	103.4	103.8	104.5	104.9	105.3
65°	96.0	94.5	93.1	93.9	94.7	95.3	96.2	96.8	97.4	98.0	98.7
67.5°	89.1	88.3	87.3	87.9	88.5	89.1	89.7	90.0	90.0	90.2	90.2
70°	81.0	80.4	79.6	80.0	80.6	81.0	81.5	81.5	81.5	81.2	81.2
72.5°	72.5	72.1	71.7	71.9	72.3	72.5	72.7	72.5	72.3	72.1	71.9
75°	63.0	62.8	62.6	62.8	63.2	63.4	63.6	63.4	63.0	62.8	62.4
77.5°	53.5	53.5	53.5	53.5	53.7	53.7	53.7	53.3	52.9	52.4	52.0
80°	42.9	43.1	43.3	43.3	43.3	43.3	43.3	42.9	42.5	41.9	41.5
82.5°	33.2	33.2	33.2	33.2	33.4	33.4	33.4	32.3	31.5	30.5	29.4
85°	20.7	20.9	20.9	21.1	21.3	21.3	21.6	20.1	18.9	17.4	16.0
87.5°	5.6	5.6	5.6	5.6	5.6	5.4	5.4	4.1	2.7	1.5	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



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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: P366986
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CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4
2.5°	446.4	447.7	448.7	450.0	450.2	450.4	450.4	450.6	446.2	441.9	437.3
5°	451.6	454.5	457.6	460.5	459.9	459.3	458.7	458.0	456.8	455.8	454.5
7.5°	363.9	361.9	359.6	357.3	359.2	361.0	362.9	364.8	365.6	366.4	367.1
10°	316.3	311.1	305.9	300.7	297.8	294.7	291.8	288.7	288.3	288.1	287.7
12.5°	275.2	269.6	264.3	258.7	257.0	255.1	253.5	251.6	253.3	254.9	256.4
15°	227.2	225.1	222.8	220.5	222.4	224.3	226.1	228.0	229.6	231.1	232.8
17.5°	193.6	192.8	191.7	190.7	192.3	194.2	195.9	197.5	201.2	205.0	208.7
20°	171.6	171.0	170.2	169.3	168.7	167.9	167.3	166.4	171.8	177.0	182.4
22.5°	158.6	157.3	156.1	154.8	155.0	155.2	155.2	155.4	159.8	164.4	168.7
25°	142.2	141.8	141.4	140.9	142.2	143.4	144.5	145.7	149.6	153.6	157.3
27.5°	133.9	134.1	134.3	134.5	136.2	138.0	139.7	141.4	144.0	146.7	149.4
30°	129.3	130.6	131.6	132.6	133.3	133.9	134.5	135.1	137.8	140.3	143.0
32.5°	136.2	134.5	132.6	131.0	131.8	132.9	133.7	134.5	137.0	139.5	142.0
35°	129.7	128.9	128.3	127.5	128.5	129.5	130.4	131.4	133.7	135.8	138.0
37.5°	126.4	126.2	126.0	125.8	126.4	127.0	127.5	128.1	130.2	132.2	134.1
40°	126.2	125.2	124.4	123.3	123.9	124.6	125.0	125.6	128.1	130.6	133.1
42.5°	125.0	123.7	122.3	121.0	121.7	122.5	123.1	123.7	126.4	128.9	131.6
45°	124.8	122.9	120.8	119.0	119.8	120.6	121.5	122.3	124.4	126.4	128.3
47.5°	122.5	120.6	118.8	116.9	117.3	117.7	117.9	118.3	120.2	121.9	123.7
50°	120.6	119.2	117.9	116.5	115.9	115.4	114.8	114.2	115.7	117.1	118.6
52.5°	118.3	116.9	115.2	113.8	113.0	112.1	111.3	110.5	111.7	112.7	114.0
55°	116.9	115.0	113.4	111.5	110.5	109.4	108.4	107.4	108.2	108.8	109.6
57.5°	113.8	112.1	110.3	108.6	107.4	106.1	104.7	103.4	103.8	104.3	104.7
60°	109.6	107.8	106.1	104.3	102.8	101.3	99.7	98.2	98.4	98.9	99.1
62.5°	103.6	102.0	100.1	98.4	96.8	95.3	93.7	92.0	92.4	92.6	93.1
65°	97.0	95.1	93.5	91.6	90.2	88.7	87.0	85.6	86.0	86.4	86.6
67.5°	88.9	87.5	86.2	84.8	83.5	82.1	80.8	79.4	79.6	79.8	80.0
70°	80.2	79.0	77.9	76.7	75.6	74.6	73.6	72.5	72.5	72.7	72.7
72.5°	70.9	69.8	68.8	67.8	66.7	65.9	64.9	63.8	64.3	64.7	64.9
75°	61.3	60.5	59.5	58.4	57.6	56.8	55.8	54.9	55.3	55.8	56.0
77.5°	51.4	50.8	49.9	49.3	48.5	47.7	46.6	45.8	46.2	46.6	46.8
80°	41.0	40.6	40.0	39.6	38.8	37.9	37.1	36.3	36.5	36.5	36.7
82.5°	29.6	29.8	29.8	30.1	29.4	28.6	28.0	27.2	27.2	27.2	26.9
85°	16.6	17.4	18.0	18.7	18.0	17.4	16.8	16.2	16.0	16.0	15.8
87.5°	0.6	1.0	1.7	2.1	1.9	1.7	1.2	1.0	1.2	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366986
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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: P366986
 CATALOG NUMBER: MSA-SA1C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4
2.5°	433.0	436.5	440.0	443.5	447.1	452.4	457.8	463.4	469.0	465.9	462.6
5°	453.3	455.3	457.6	459.7	461.8	467.8	473.6	480.8	487.9	487.1	486.0
7.5°	367.9	370.8	373.7	376.4	379.3	388.4	397.5	405.2	412.9	411.8	410.6
10°	287.3	293.3	299.5	305.5	311.5	319.0	326.2	332.7	339.1	349.9	360.4
12.5°	258.0	267.4	276.7	286.0	295.3	300.7	305.9	314.2	322.5	328.3	334.3
15°	234.2	242.9	251.6	260.3	269.0	269.4	269.9	278.6	287.3	292.2	297.0
17.5°	212.4	217.2	222.0	226.5	231.3	229.6	228.0	232.1	236.1	238.1	240.4
20°	187.6	190.9	194.2	197.5	200.8	203.1	205.2	207.7	210.0	207.9	205.6
22.5°	173.1	178.0	183.2	188.2	193.2	194.6	195.9	194.4	193.0	192.3	191.7
25°	161.2	167.3	173.5	179.5	185.5	188.4	191.3	192.5	193.6	191.3	189.0
27.5°	152.1	159.4	166.4	173.7	180.7	185.9	191.1	192.5	193.8	192.1	190.3
30°	145.5	153.4	161.2	169.1	177.0	184.9	192.5	199.4	206.0	205.4	204.8
32.5°	144.5	149.8	155.2	160.6	166.0	171.0	175.8	176.2	176.4	174.7	172.9
35°	140.1	143.6	147.2	150.7	154.2	157.3	160.2	159.8	159.4	157.7	156.1
37.5°	136.2	139.7	143.4	146.9	150.5	155.9	161.0	160.0	158.8	157.1	155.4
40°	135.5	139.5	143.4	147.2	151.1	156.1	161.0	160.0	159.0	156.9	154.8
42.5°	134.1	138.0	141.8	145.7	149.4	155.4	161.2	159.4	157.3	155.7	154.0
45°	130.4	133.9	137.4	140.9	144.5	150.9	157.3	155.0	152.7	152.1	151.3
47.5°	125.4	128.9	132.4	136.0	139.5	145.9	152.1	150.3	148.2	148.0	147.6
50°	120.0	123.3	126.8	130.2	133.5	139.9	146.1	144.5	142.8	143.0	143.0
52.5°	115.0	118.1	121.0	124.1	127.0	133.5	139.7	138.4	137.0	137.4	137.6
55°	110.3	112.7	115.2	117.7	120.2	126.4	132.6	130.8	128.9	129.5	130.2
57.5°	105.1	107.2	109.2	111.1	113.2	119.4	125.4	123.3	121.0	122.1	122.9
60°	99.3	101.1	103.0	104.7	106.5	112.1	117.5	115.7	113.6	115.0	116.3
62.5°	93.3	94.7	96.2	97.6	99.1	104.3	109.4	108.0	106.5	108.2	109.6
65°	87.0	88.1	89.3	90.4	91.4	96.4	101.1	100.1	99.1	100.5	102.0
67.5°	80.2	81.0	82.1	82.9	83.7	88.3	92.9	91.8	90.6	91.8	92.9
70°	72.7	73.6	74.2	75.0	75.6	79.8	83.9	82.5	80.8	82.1	83.1
72.5°	65.3	65.7	66.3	66.7	67.2	70.3	73.4	72.1	70.9	72.1	73.2
75°	56.4	56.8	57.2	57.6	58.0	60.7	63.2	61.8	60.1	61.3	62.6
77.5°	47.3	47.5	47.9	48.1	48.3	50.2	51.8	50.4	48.7	50.2	51.6
80°	36.7	36.9	37.1	37.1	37.3	37.9	38.6	37.5	36.3	38.1	40.0
82.5°	26.9	26.7	26.7	26.5	26.3	26.3	26.1	25.5	24.7	26.3	28.0
85°	15.5	15.3	14.9	14.7	14.3	13.7	13.1	12.9	12.6	14.1	15.5
87.5°	1.7	1.5	1.0	0.8	0.4	0.2	0.0	0.0	0.0	0.8	1.9
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



REPORT NUMBER: P366986
 CATALOG NUMBER: MSA-SA1C-830-U-SLR

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: P366986
 CATALOG NUMBER: MSA-SA1C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4
2.5°	459.5	456.2	453.1	450.0	446.9	443.7	449.5	455.3	461.2	467.0	472.1
5°	485.2	484.2	481.5	479.0	476.3	473.6	475.0	476.7	478.1	479.6	482.7
7.5°	409.5	408.3	414.1	419.7	425.5	431.1	432.5	433.8	435.2	436.5	435.7
10°	371.2	381.8	384.5	387.0	389.6	392.1	396.3	400.4	404.4	408.5	410.8
12.5°	340.1	345.9	355.4	365.2	374.7	384.3	390.5	396.7	402.9	409.1	422.0
15°	302.0	306.7	314.0	321.3	328.5	335.8	344.7	353.8	362.7	371.6	385.7
17.5°	242.5	244.6	250.0	255.3	260.5	265.9	277.9	289.7	301.8	313.6	329.7
20°	203.5	201.2	201.2	201.5	201.5	201.5	213.5	225.3	237.3	249.1	270.5
22.5°	190.9	190.3	188.0	185.5	183.2	180.7	186.9	193.4	199.6	205.8	223.2
25°	186.5	184.3	181.4	178.4	175.5	172.6	176.6	180.5	184.5	188.4	202.1
27.5°	188.6	186.7	188.2	189.4	190.9	192.1	193.4	194.6	195.9	197.1	201.9
30°	204.2	203.5	205.8	207.9	210.2	212.2	209.3	206.6	203.7	200.8	202.5
32.5°	171.2	169.3	168.5	167.7	166.8	166.0	165.8	165.6	165.2	165.0	168.7
35°	154.4	152.7	151.5	150.3	148.8	147.6	148.2	148.6	149.2	149.6	153.8
37.5°	153.8	152.1	150.7	149.2	147.6	146.1	146.7	147.6	148.2	148.8	151.9
40°	152.7	150.7	149.8	149.0	148.2	147.4	147.8	148.2	148.4	148.8	151.1
42.5°	152.1	150.5	150.1	149.6	149.2	148.8	149.2	149.6	149.8	150.3	153.0
45°	150.7	149.8	150.3	150.7	151.1	151.5	151.5	151.5	151.5	151.5	154.4
47.5°	147.4	146.9	148.2	149.4	150.7	151.9	154.0	156.1	157.9	160.0	160.6
50°	143.2	143.2	145.3	147.4	149.2	151.3	156.3	161.0	166.0	170.8	167.7
52.5°	138.0	138.2	141.4	144.3	147.4	150.3	154.8	159.4	163.7	168.3	163.7
55°	130.6	131.2	135.1	138.9	142.8	146.5	150.1	153.6	157.1	160.6	155.9
57.5°	123.9	124.8	128.9	132.9	137.0	140.9	143.0	145.3	147.4	149.4	146.3
60°	117.7	119.0	124.4	129.7	134.9	140.3	138.7	137.0	135.1	133.5	133.3
62.5°	111.3	112.7	117.7	122.7	127.5	132.4	130.0	127.5	124.8	122.3	123.3
65°	103.2	104.7	106.9	109.2	111.3	113.6	113.4	113.4	113.2	113.0	115.0
67.5°	94.1	95.1	96.6	97.8	99.3	100.5	101.3	102.4	103.2	104.0	106.5
70°	84.4	85.4	86.8	88.1	89.5	90.8	91.8	92.9	93.7	94.7	97.2
72.5°	74.4	75.4	76.9	78.3	79.6	81.0	81.9	82.7	83.3	84.1	86.2
75°	63.8	65.1	66.5	67.8	69.2	70.5	71.1	71.7	72.3	73.0	74.8
77.5°	53.1	54.5	56.0	57.4	58.9	60.3	60.5	60.7	60.9	61.1	62.8
80°	41.7	43.5	45.0	46.4	47.9	49.3	49.3	49.3	49.3	49.3	50.2
82.5°	29.6	31.3	33.0	34.4	36.1	37.5	37.5	37.3	37.3	37.1	37.1
85°	17.0	18.4	19.5	20.7	21.8	22.8	22.8	22.8	22.6	22.6	22.2
87.5°	2.7	3.5	3.9	4.6	5.0	5.4	5.2	5.2	5.0	4.8	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366986
 CATALOG NUMBER: MSA-SA1C-830-U-SLR

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: P366986

CATALOG NUMBER: MSA-SA1C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4
2.5°	477.3	482.5	487.7	486.9	486.0	485.2	484.4	487.5	490.4	493.5	496.4
5°	485.6	488.7	491.6	493.9	496.2	498.5	500.7	511.3	521.7	532.2	542.6
7.5°	434.8	433.8	433.0	442.7	452.7	462.4	472.1	485.6	499.1	512.6	526.0
10°	413.1	415.3	417.6	421.6	425.7	429.6	433.6	446.9	460.1	473.4	486.6
12.5°	434.6	447.5	460.1	463.2	466.5	469.6	472.8	475.5	478.1	480.6	483.3
15°	399.8	413.9	428.0	436.1	444.2	452.0	460.1	480.4	500.5	520.8	540.9
17.5°	345.7	361.9	377.8	397.7	417.6	437.5	457.4	476.1	494.7	513.2	531.8
20°	291.8	313.0	334.3	356.1	377.6	399.4	420.9	439.2	457.4	475.5	493.7
22.5°	240.4	257.8	275.0	301.6	327.9	354.4	380.7	414.7	448.5	482.5	516.3
25°	215.5	229.2	242.7	270.1	297.4	324.6	351.9	396.1	440.0	484.2	528.1
27.5°	206.8	211.6	216.4	241.2	265.9	290.8	315.4	363.1	410.8	458.2	505.9
30°	204.2	205.8	207.5	226.9	246.4	265.9	285.4	332.4	379.7	426.7	473.8
32.5°	172.2	176.0	179.5	198.6	217.4	236.5	255.3	302.8	350.1	397.5	444.8
35°	157.9	162.1	166.2	184.9	203.5	222.0	240.6	290.6	340.7	390.7	440.6
37.5°	155.0	158.1	161.2	182.4	203.5	224.7	245.8	296.4	347.0	397.5	448.1
40°	153.6	155.9	158.1	178.7	199.4	219.9	240.4	293.5	346.3	399.4	452.2
42.5°	155.4	158.1	160.6	179.3	197.7	216.4	234.8	289.7	344.5	399.4	454.1
45°	157.1	160.0	162.7	180.1	197.5	214.9	232.3	291.0	349.4	408.1	466.5
47.5°	161.0	161.7	162.1	177.2	192.1	207.3	222.2	281.9	341.6	401.0	460.7
50°	164.4	161.2	157.9	173.7	189.2	205.0	220.5	277.1	333.7	390.1	446.6
52.5°	159.2	154.4	149.8	166.8	183.8	200.6	217.6	274.2	331.0	387.6	444.2
55°	151.3	146.5	141.8	159.0	176.2	193.4	210.6	266.9	323.5	379.9	436.3
57.5°	143.4	140.3	137.2	151.3	165.6	179.7	193.8	254.9	315.9	377.0	437.9
60°	133.1	132.6	132.4	143.4	154.6	165.6	176.6	236.5	296.2	356.1	415.8
62.5°	124.1	125.2	126.0	134.9	143.8	152.5	161.5	219.3	277.3	335.1	393.0
65°	117.3	119.4	121.5	131.6	141.8	151.7	161.9	210.4	258.9	307.4	355.9
67.5°	109.0	111.5	114.0	127.3	140.5	153.8	167.1	207.1	247.1	287.1	327.1
70°	99.5	102.0	104.3	121.2	138.0	155.0	171.8	207.3	242.9	278.3	313.8
72.5°	88.3	90.4	92.4	110.7	128.9	147.2	165.4	195.4	225.5	255.3	285.4
75°	76.9	78.8	80.6	96.4	112.1	127.9	143.6	166.8	189.8	213.1	236.1
77.5°	64.3	65.9	67.4	77.9	88.5	99.1	109.6	127.5	145.1	162.9	180.5
80°	51.0	51.8	52.6	58.9	64.9	71.1	77.1	88.9	100.7	112.3	124.1
82.5°	37.3	37.3	37.3	41.2	45.4	49.3	53.3	59.3	65.1	71.1	76.9
85°	21.8	21.1	20.7	23.4	26.1	28.8	31.5	34.0	36.5	39.0	41.5
87.5°	3.5	2.7	2.1	3.7	5.4	7.0	8.7	9.5	10.6	11.4	12.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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: P366986

CATALOG NUMBER: MSA-SA1C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4
2.5°	489.3	482.5	475.5	468.4	478.8	489.1	499.5	509.9	537.4	553.8	554.8
5°	551.3	560.0	568.7	577.4	586.1	594.8	603.3	612.0	656.8	684.4	689.6
7.5°	540.3	554.8	569.1	583.4	608.1	632.8	657.4	682.1	720.0	747.4	765.4
10°	504.5	522.3	540.1	557.9	587.2	616.6	645.8	675.0	715.3	751.3	768.5
12.5°	511.7	540.1	568.3	596.7	622.0	647.5	672.8	698.0	725.8	739.5	770.8
15°	560.6	580.3	600.0	619.7	657.8	695.8	733.9	771.8	787.6	818.9	847.1
17.5°	568.1	604.2	640.4	676.5	723.1	769.8	816.4	863.0	892.2	932.7	966.7
20°	544.9	595.9	647.1	698.0	758.2	818.5	878.6	938.7	975.8	1009.8	1062.4
22.5°	572.7	629.0	685.2	741.6	821.4	901.0	980.7	1060.3	1137.9	1213.7	1249.4
25°	603.3	678.8	754.0	829.2	928.9	1028.4	1128.1	1227.6	1327.3	1398.4	1439.4
27.5°	581.8	657.4	733.3	808.9	932.3	1055.8	1179.1	1302.4	1409.2	1494.8	1530.0
30°	566.6	659.5	752.3	845.2	989.9	1134.5	1279.2	1423.9	1522.5	1618.1	1669.9
32.5°	564.0	683.1	802.1	921.3	1089.8	1258.1	1426.6	1594.9	1660.4	1745.1	1815.0
35°	571.4	702.4	833.2	964.0	1157.1	1350.3	1543.3	1736.4	1829.5	1913.4	1974.6
37.5°	594.2	740.3	886.2	1032.4	1265.1	1498.1	1730.8	1963.6	2119.6	2273.2	2300.6
40°	607.1	762.1	916.9	1071.7	1342.4	1613.1	1883.8	2154.5	2333.9	2502.4	2513.8
42.5°	622.2	790.3	958.2	1126.2	1426.4	1726.7	2026.8	2326.9	2549.1	2730.2	2735.6
45°	639.6	812.5	985.5	1158.4	1471.7	1784.9	2098.3	2411.5	2680.1	2900.2	2846.5
47.5°	646.4	832.4	1018.1	1203.8	1537.9	1871.8	2205.9	2539.8	2780.8	2981.0	2929.6
50°	649.1	851.8	1054.3	1256.8	1602.9	1949.3	2295.4	2641.5	2886.7	3081.9	3003.2
52.5°	665.9	887.7	1109.5	1331.2	1691.9	2052.5	2413.1	2773.7	3015.0	3202.6	3104.7
55°	688.5	940.7	1192.8	1445.0	1818.3	2191.3	2564.6	2937.7	3179.8	3354.3	3233.0
57.5°	709.4	981.2	1252.7	1524.2	1910.9	2297.9	2684.6	3071.4	3316.6	3489.2	3371.7
60°	699.3	982.8	1266.4	1549.9	1930.0	2309.9	2690.0	3069.9	3348.3	3555.3	3495.2
62.5°	668.6	944.3	1219.7	1495.4	1856.2	2216.8	2577.7	2938.3	3264.1	3529.6	3526.9
65°	609.5	863.2	1116.7	1370.4	1704.3	2038.4	2372.3	2706.2	3090.2	3412.7	3433.7
67.5°	537.6	748.2	958.8	1169.4	1483.8	1798.2	2112.6	2427.0	2837.6	3193.4	3211.5
70°	468.0	622.4	776.6	930.8	1206.9	1482.9	1758.8	2034.9	2449.6	2809.6	2826.2
72.5°	386.3	487.3	588.0	688.9	912.6	1136.2	1359.6	1583.3	1947.4	2224.3	2317.8
75°	296.0	355.9	415.8	475.7	656.6	837.5	1018.3	1199.2	1441.3	1645.6	1750.9
77.5°	211.6	242.7	273.8	304.9	458.7	612.5	766.0	919.8	1047.1	1162.9	1234.0
80°	138.9	153.4	168.1	182.6	310.5	438.4	566.0	693.9	771.4	833.6	869.5
82.5°	84.1	91.4	98.4	105.7	209.3	313.0	416.4	520.0	564.4	594.0	625.9
85°	45.4	49.3	53.3	57.2	123.7	190.1	256.6	322.9	327.3	330.8	378.2
87.5°	13.3	14.5	15.5	16.6	27.4	38.3	49.1	59.9	37.3	23.2	47.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366986
 CATALOG NUMBER: MSA-SA1C-830-U-SLR

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: P366986

CATALOG NUMBER: MSA-SA1C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4
2.5°	548.8	546.1	543.4	540.5	537.8	526.4	515.2	503.8	492.4	503.4	514.2
5°	683.5	691.8	699.9	708.2	716.5	717.1	717.5	718.2	718.6	720.6	722.7
7.5°	780.5	795.3	809.8	824.5	839.2	850.6	862.0	873.6	885.0	874.6	864.3
10°	788.8	819.9	851.0	882.1	913.2	918.8	924.2	929.8	935.4	942.8	950.1
12.5°	797.1	835.0	872.8	910.7	948.6	965.2	981.6	998.2	1014.5	1022.6	1030.5
15°	884.8	907.2	929.3	951.7	973.9	985.3	996.5	1007.9	1019.3	1026.1	1032.8
17.5°	997.5	1005.8	1013.9	1022.2	1030.5	1038.2	1045.8	1053.5	1061.2	1062.4	1063.7
20°	1100.3	1102.0	1103.4	1105.1	1106.6	1090.4	1074.4	1058.3	1042.1	1045.0	1047.7
22.5°	1254.5	1245.4	1236.5	1227.4	1218.5	1188.0	1157.7	1127.3	1097.0	1084.0	1071.1
25°	1486.7	1463.5	1440.2	1417.0	1393.8	1345.3	1297.0	1248.5	1200.2	1171.8	1143.7
27.5°	1561.5	1510.9	1460.6	1410.0	1359.4	1322.7	1286.2	1249.6	1213.1	1168.1	1123.1
30°	1712.8	1633.0	1553.4	1473.6	1393.8	1358.4	1322.9	1287.3	1251.8	1205.8	1160.0
32.5°	1846.9	1764.0	1681.1	1598.0	1515.1	1447.9	1380.8	1313.6	1246.5	1215.4	1184.3
35°	2002.1	1897.9	1793.6	1689.4	1585.1	1527.5	1470.1	1412.5	1355.1	1308.0	1261.2
37.5°	2228.2	2117.4	2006.5	1895.4	1784.5	1706.6	1628.8	1550.9	1473.2	1447.3	1421.6
40°	2443.8	2312.8	2182.0	2051.0	1920.3	1860.6	1800.9	1741.0	1681.3	1637.6	1593.8
42.5°	2624.3	2494.8	2365.4	2235.9	2106.6	2063.1	2019.7	1976.2	1932.9	1896.8	1860.8
45°	2686.3	2580.6	2475.1	2369.4	2263.7	2248.3	2233.2	2217.9	2202.7	2176.0	2149.3
47.5°	2786.0	2678.2	2570.6	2462.9	2355.1	2360.7	2366.3	2372.1	2377.7	2379.1	2380.4
50°	2844.6	2742.2	2640.1	2537.7	2435.5	2462.7	2489.6	2516.7	2543.9	2605.5	2666.8
52.5°	2930.2	2829.7	2729.4	2628.9	2528.4	2574.4	2620.2	2666.2	2712.0	2798.2	2884.4
55°	3037.6	2941.4	2845.5	2749.3	2653.3	2698.1	2742.7	2787.4	2832.0	2927.9	3023.9
57.5°	3180.0	3077.0	2974.2	2871.2	2768.4	2809.6	2850.6	2891.9	2932.9	3024.1	3115.3
60°	3342.1	3230.1	3118.2	3006.1	2894.2	2905.6	2916.8	2928.2	2939.3	3038.2	3136.9
62.5°	3421.6	3318.0	3214.6	3111.0	3007.3	2975.6	2943.9	2912.0	2880.3	2968.8	3057.1
65°	3352.6	3281.3	3210.2	3138.9	3067.6	3011.7	2955.9	2900.0	2844.0	2899.3	2954.5
67.5°	3132.9	3092.5	3052.3	3011.9	2971.5	2877.6	2783.7	2689.6	2595.7	2599.4	2603.0
70°	2776.9	2766.1	2755.5	2744.7	2734.0	2592.8	2451.9	2310.7	2169.6	2148.0	2126.5
72.5°	2325.7	2332.7	2339.5	2346.6	2353.6	2201.9	2050.2	1898.5	1746.8	1710.9	1675.1
75°	1801.3	1840.3	1879.2	1918.4	1957.4	1812.3	1667.2	1521.9	1376.8	1332.7	1288.5
77.5°	1272.8	1345.5	1418.1	1490.8	1563.6	1432.4	1301.4	1170.2	1039.0	1010.4	981.8
80°	887.5	923.1	958.8	994.4	1030.1	964.2	898.3	832.4	766.4	774.3	782.0
82.5°	646.4	654.7	662.8	671.1	679.4	652.5	625.5	598.4	571.4	591.9	612.5
85°	414.1	443.7	473.2	502.8	532.2	502.4	472.6	442.5	412.7	426.3	440.0
87.5°	92.6	146.5	200.4	254.5	308.4	279.4	250.6	221.6	192.5	179.5	166.6
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



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 CATALOG NUMBER: MSA-SA1C-830-U-SLR

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: P366986

CATALOG NUMBER: MSA-SA1C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4
2.5°	525.2	536.2	532.9	529.8	526.4	523.1	529.1	535.1	541.4	547.4	545.3
5°	725.0	727.1	707.4	687.9	668.2	648.5	660.7	673.0	685.2	697.4	693.1
7.5°	853.9	843.5	832.1	820.7	809.1	797.7	795.3	792.8	790.1	787.6	784.3
10°	957.5	964.8	957.3	950.1	942.6	935.2	917.7	900.3	882.7	865.3	858.1
12.5°	1038.6	1046.7	1048.5	1050.2	1052.0	1053.9	1034.4	1015.2	995.7	976.2	958.6
15°	1039.6	1046.5	1052.5	1058.3	1064.3	1070.1	1058.1	1046.2	1034.2	1022.2	1016.6
17.5°	1065.1	1066.3	1061.4	1056.6	1051.6	1046.9	1042.1	1037.5	1032.8	1028.2	1019.3
20°	1050.6	1053.5	1052.9	1052.3	1051.4	1050.8	1051.2	1051.4	1051.8	1052.0	1047.1
22.5°	1058.1	1045.0	1047.7	1050.2	1052.9	1055.4	1062.8	1070.3	1078.0	1085.4	1105.3
25°	1115.3	1086.9	1082.5	1078.4	1074.0	1069.9	1089.4	1108.6	1128.1	1147.6	1179.9
27.5°	1078.0	1033.0	1023.0	1013.1	1003.1	993.2	1022.8	1052.3	1081.9	1111.5	1144.5
30°	1114.0	1068.2	1046.2	1024.3	1002.1	980.1	1008.5	1036.7	1065.1	1093.3	1129.8
32.5°	1153.2	1122.1	1107.4	1092.9	1078.2	1063.7	1065.9	1068.2	1070.5	1072.8	1124.2
35°	1214.1	1167.1	1152.6	1138.1	1123.6	1109.0	1133.3	1157.3	1181.6	1205.6	1249.1
37.5°	1395.7	1369.8	1343.7	1317.5	1291.2	1265.1	1279.4	1293.7	1308.0	1322.3	1363.3
40°	1550.1	1506.4	1502.0	1497.9	1493.5	1489.2	1490.4	1491.4	1492.7	1493.9	1528.9
42.5°	1824.5	1788.4	1766.3	1744.1	1721.9	1699.7	1698.3	1696.8	1695.2	1693.7	1720.0
45°	2122.3	2095.6	2079.0	2062.4	2045.6	2029.1	2002.7	1976.4	1949.9	1923.6	1946.6
47.5°	2381.8	2383.3	2413.3	2443.2	2473.2	2503.3	2458.3	2413.3	2368.3	2323.4	2293.7
50°	2728.4	2789.7	2797.0	2804.0	2811.3	2818.5	2742.2	2666.2	2589.9	2513.6	2482.5
52.5°	2970.8	3057.1	3045.9	3034.9	3023.7	3012.5	2968.4	2924.4	2880.3	2836.1	2768.4
55°	3120.1	3216.0	3207.5	3199.2	3190.8	3182.3	3150.1	3118.0	3085.9	3053.8	2979.3
57.5°	3206.5	3297.7	3300.2	3302.7	3305.2	3307.6	3299.1	3290.7	3282.2	3273.7	3176.9
60°	3235.7	3334.6	3335.6	3336.5	3337.5	3338.3	3324.8	3311.4	3297.7	3284.2	3221.0
62.5°	3145.6	3233.9	3237.8	3241.5	3245.5	3249.4	3240.1	3230.8	3221.4	3212.1	3165.3
65°	3009.8	3065.2	3066.2	3067.0	3068.1	3069.1	3045.5	3022.0	2998.4	2974.8	2963.6
67.5°	2606.7	2610.4	2632.4	2654.4	2676.3	2698.3	2700.2	2702.0	2704.1	2706.0	2689.8
70°	2104.9	2083.4	2107.2	2131.0	2154.9	2178.7	2188.9	2199.0	2209.4	2219.5	2227.0
72.5°	1639.0	1603.1	1620.8	1638.4	1656.2	1673.8	1658.7	1643.6	1628.4	1613.3	1661.2
75°	1244.4	1200.2	1198.0	1195.9	1193.6	1191.5	1183.9	1176.2	1168.3	1160.7	1205.4
77.5°	953.0	924.4	925.8	927.1	928.5	929.8	921.9	914.2	906.3	898.5	915.7
80°	789.9	797.5	797.7	797.9	798.2	798.4	790.9	783.6	776.2	768.7	756.3
82.5°	633.2	653.7	653.5	653.5	653.3	653.1	652.7	652.2	651.6	651.2	630.9
85°	453.7	467.4	453.3	439.2	425.1	411.0	421.4	431.7	442.3	452.7	444.2
87.5°	153.6	140.7	123.9	107.4	90.6	73.8	91.8	109.8	128.1	146.1	156.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366986
 CATALOG NUMBER: MSA-SA1C-830-U-SLR

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: P366986

CATALOG NUMBER: MSA-SA1C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4	450.4
2.5°	543.4	541.4	539.5	526.4	513.2	500.1	486.9	510.9	535.1	559.2	583.2
5°	688.9	684.6	680.4	679.4	678.4	677.1	676.1	688.3	700.5	712.6	724.8
7.5°	781.0	777.6	774.3	765.6	757.1	748.4	739.7	747.2	754.4	761.9	769.1
10°	851.0	843.8	836.5	817.6	799.0	780.1	761.3	755.7	750.1	744.5	738.9
12.5°	941.0	923.1	905.5	884.2	862.6	841.3	819.7	816.8	813.9	811.2	808.3
15°	1011.2	1005.6	1000.0	983.0	966.0	949.0	932.0	909.2	886.2	863.4	840.6
17.5°	1010.6	1001.7	993.0	1015.8	1038.4	1061.2	1083.8	1059.5	1035.1	1010.8	986.6
20°	1042.1	1036.9	1031.9	1074.0	1115.9	1158.0	1199.8	1186.6	1173.1	1159.8	1146.3
22.5°	1125.0	1144.9	1164.6	1200.7	1236.5	1272.6	1308.4	1323.6	1338.7	1353.8	1368.9
25°	1212.1	1244.4	1276.7	1330.4	1383.9	1437.5	1491.2	1502.0	1512.8	1523.6	1534.3
27.5°	1177.2	1210.2	1243.1	1283.8	1324.2	1364.8	1405.2	1452.5	1499.9	1547.2	1594.4
30°	1166.0	1202.5	1238.8	1294.5	1350.1	1405.8	1461.6	1526.7	1591.7	1656.6	1721.7
32.5°	1175.4	1226.8	1278.2	1353.6	1428.8	1504.3	1579.7	1648.1	1716.7	1785.1	1853.5
35°	1292.5	1336.0	1379.3	1463.7	1548.0	1632.4	1716.7	1796.9	1877.1	1957.1	2037.4
37.5°	1404.2	1445.2	1486.3	1572.5	1658.5	1744.7	1830.9	1957.6	2084.4	2211.0	2337.7
40°	1563.8	1598.8	1633.6	1707.4	1781.2	1855.0	1928.8	2081.5	2234.3	2387.0	2539.8
42.5°	1746.2	1772.5	1798.6	1875.1	1951.6	2028.0	2104.5	2270.7	2437.2	2603.4	2769.6
45°	1969.4	1992.4	2015.4	2068.0	2120.7	2173.5	2226.2	2397.6	2569.0	2740.4	2911.8
47.5°	2264.1	2234.5	2204.8	2230.7	2256.6	2282.5	2308.5	2478.0	2647.5	2816.9	2986.4
50°	2451.5	2420.4	2389.3	2391.6	2393.6	2395.9	2398.2	2556.3	2714.5	2872.4	3030.5
52.5°	2700.6	2632.6	2564.8	2564.2	2563.6	2562.8	2562.1	2700.0	2838.0	2975.8	3113.7
55°	2904.9	2830.5	2756.1	2741.6	2727.1	2712.4	2697.9	2834.3	2970.4	3106.8	3243.0
57.5°	3080.1	2983.1	2886.3	2863.5	2840.7	2817.9	2795.1	2942.0	3089.2	3236.1	3383.1
60°	3158.0	3094.8	3031.8	3003.8	2975.8	2947.8	2919.9	3045.0	3170.2	3295.2	3420.4
62.5°	3118.6	3071.8	3025.2	3031.6	3038.0	3044.4	3050.9	3122.4	3194.1	3265.6	3337.1
65°	2952.6	2941.4	2930.4	2982.2	3034.1	3085.9	3137.7	3138.7	3139.8	3140.8	3141.8
67.5°	2673.6	2657.5	2641.3	2749.1	2856.7	2964.4	3072.2	3021.0	2969.8	2918.8	2867.6
70°	2234.3	2241.7	2249.0	2395.7	2542.2	2689.0	2835.7	2761.5	2687.1	2612.9	2538.5
72.5°	1709.1	1757.1	1805.0	1957.1	2109.3	2261.4	2413.5	2328.8	2243.8	2159.0	2074.0
75°	1250.2	1295.0	1339.7	1490.0	1640.2	1790.7	1941.0	1840.3	1739.5	1639.0	1538.3
77.5°	932.9	950.3	967.5	1092.5	1217.2	1342.2	1467.0	1365.8	1264.7	1163.8	1062.6
80°	744.1	731.6	719.4	788.6	857.8	927.1	996.3	924.6	852.7	781.0	709.2
82.5°	610.8	590.5	570.4	596.1	621.8	647.7	673.4	616.0	558.6	501.2	443.7
85°	435.7	427.2	418.7	426.1	433.4	440.8	448.3	392.3	336.4	280.6	224.7
87.5°	166.6	177.0	187.4	199.2	210.8	222.6	234.2	183.4	132.6	82.1	31.3
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



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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°	450.4	450.4
2.5°	593.2	603.1
5°	724.6	724.4
7.5°	765.8	762.3
10°	729.8	720.6
12.5°	781.4	754.2
15°	813.7	786.5
17.5°	945.7	904.7
20°	1097.6	1048.7
22.5°	1294.5	1220.1
25°	1445.4	1356.3
27.5°	1541.6	1488.5
30°	1661.0	1600.2
32.5°	1808.7	1763.8
35°	1996.3	1955.1
37.5°	2324.8	2311.8
40°	2524.2	2508.5
42.5°	2770.2	2770.6
45°	2921.1	2930.4
47.5°	3010.0	3033.4
50°	3080.9	3131.1
52.5°	3182.3	3250.9
55°	3334.2	3425.2
57.5°	3460.6	3538.1
60°	3460.6	3500.6
62.5°	3336.0	3334.8
65°	3122.6	3103.1
67.5°	2843.2	2818.7
70°	2500.4	2462.0
72.5°	2026.6	1978.9
75°	1473.0	1407.5
77.5°	1031.5	1000.2
80°	724.4	739.5
82.5°	465.3	486.9
85°	221.4	218.0
87.5°	26.1	20.9
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)