

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: P366766

Luminaire Tested: **MSA-SA1B-730-U-SLR**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P366766
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-SA1B-730-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: 3951 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

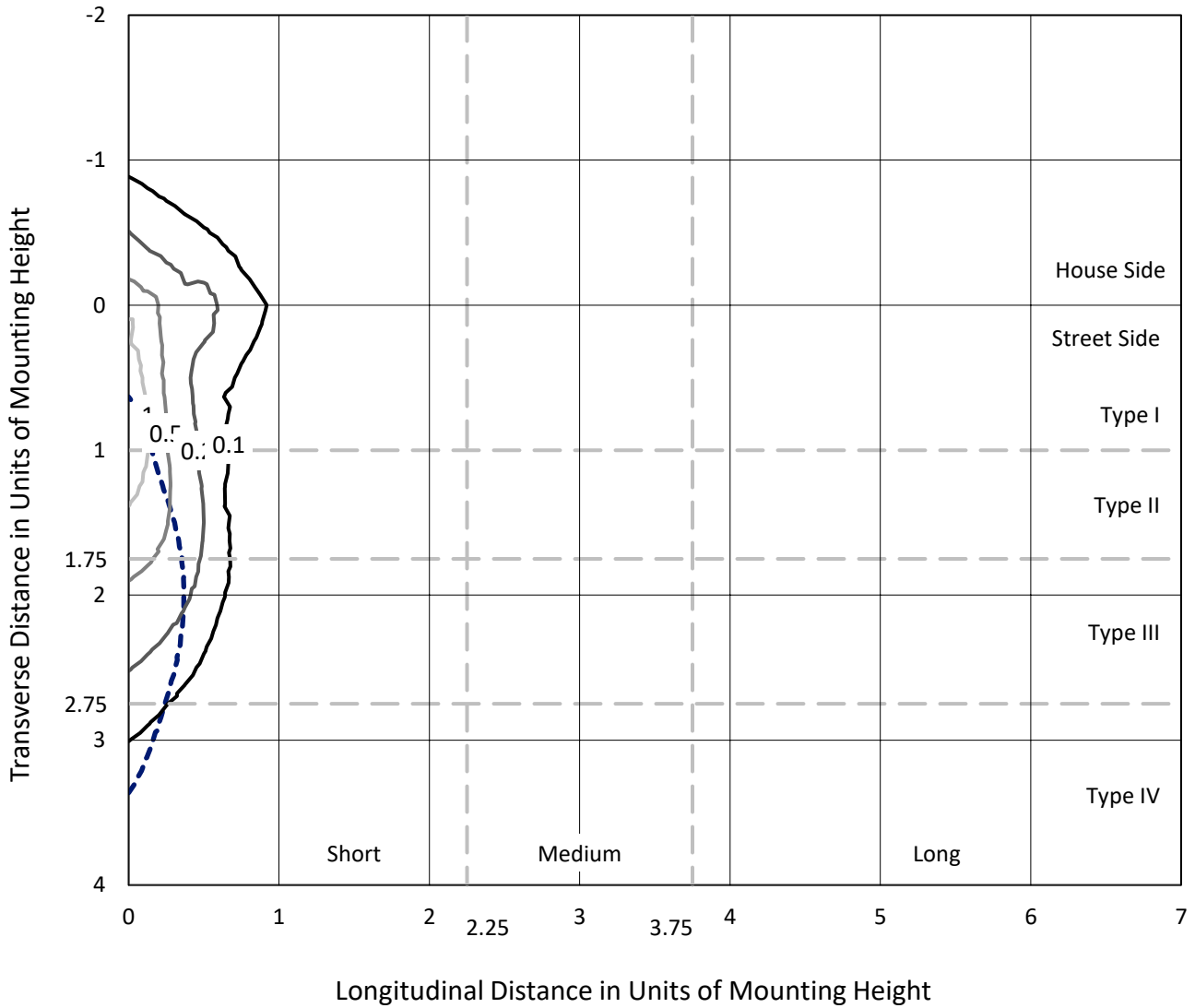
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

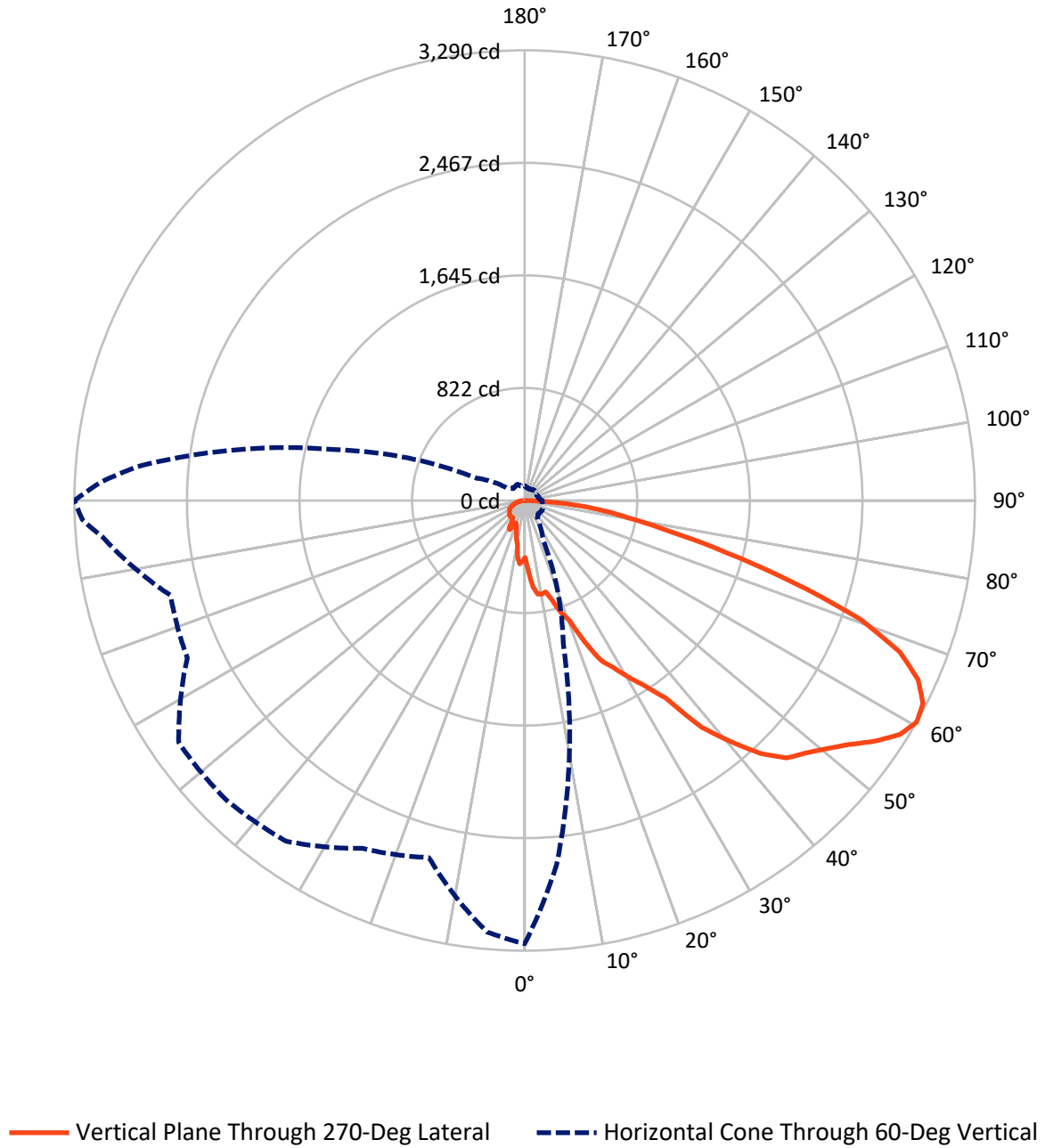
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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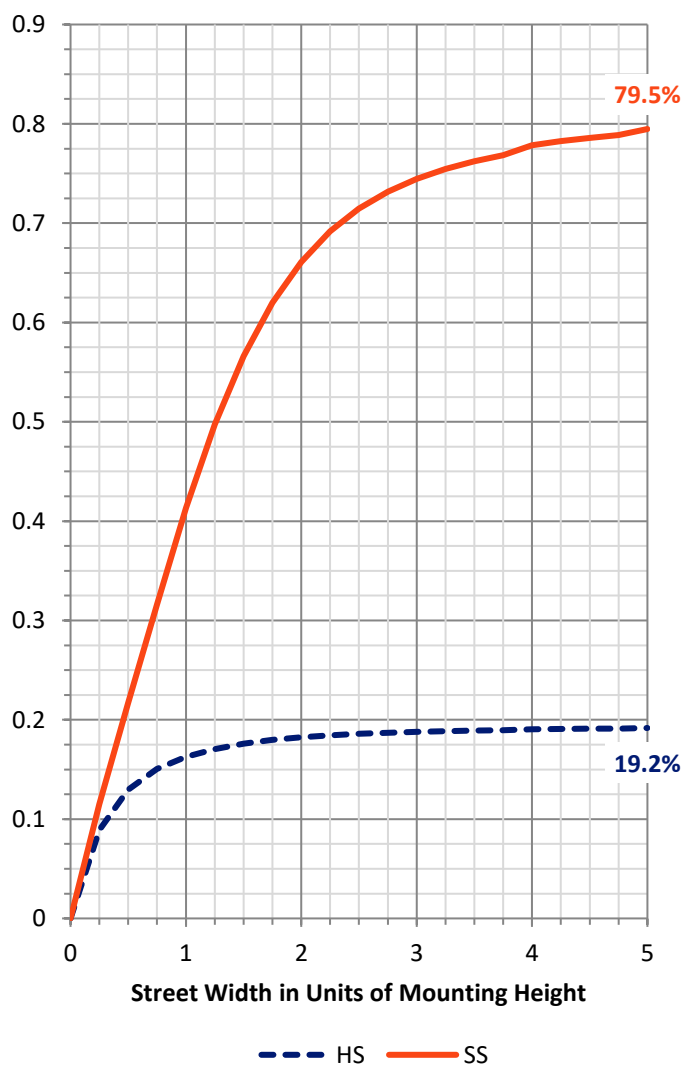
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	765.2	0.0	765.2
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	3185.8	0.0	3185.8
	% Fixture	80.6	0.0	80.6
Total	Lumens	3951.0	0.0	3951.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	1.2
10°-20°	138.8	3.5
20°-30°	245.1	6.2
30°-40°	381.7	9.7
40°-50°	628.4	15.9
50°-60°	896.9	22.7
60°-70°	951.1	24.1
70°-80°	525.3	13.3
80°-90°	135.9	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°	3951.0	100.0
0°-180°	3951.0	100.0

Coefficient of Utilization

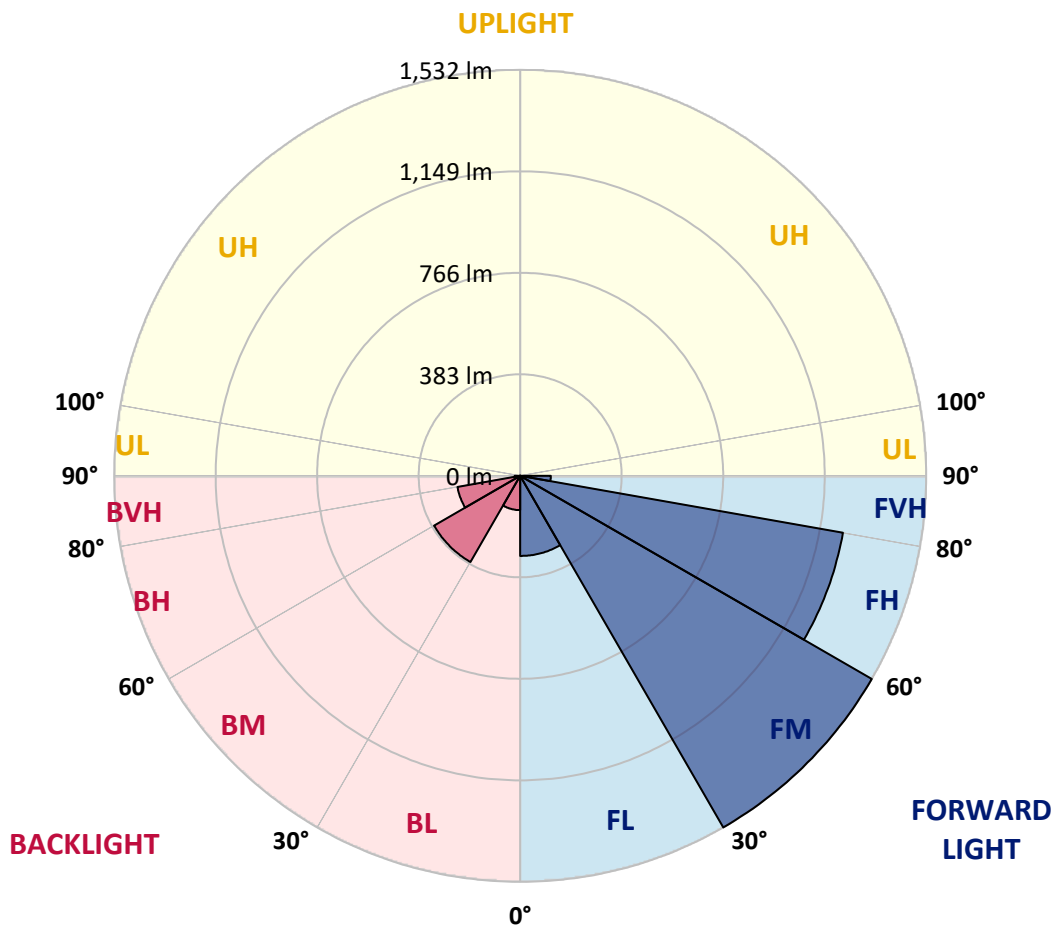


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	302.3	7.7			
FM (30°-60°)	1531.7	38.8			
FH (60°-80°)	1236.3	31.3			G1/1800
FVH (80°-90°)	115.5	2.9			G2/225
BL (0°-30°)	129.4	3.3	B1/500		
BM (30°-60°)	375.4	9.5	B1/1000		
BH (60°-80°)	240.1	6.1	B1/500		G1/500
BVH (80°-90°)	20.4	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°	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7
2.5°	558.1	561.5	564.8	558.3	551.7	545.0	538.5	528.7	518.8	509.0	499.0
5°	670.3	657.6	644.7	639.6	634.6	629.4	624.2	619.4	614.6	609.7	604.9
7.5°	705.3	687.3	669.1	661.4	653.8	645.9	638.2	621.0	603.7	586.3	569.0
10°	666.8	648.0	629.0	621.5	613.9	606.4	598.7	577.6	556.7	535.6	514.5
12.5°	697.9	678.7	659.3	635.5	611.8	587.8	564.0	552.3	540.6	528.7	517.0
15°	727.8	701.9	675.8	652.0	628.3	604.3	580.5	557.1	533.7	510.3	486.9
17.5°	837.1	793.9	750.8	707.8	664.7	621.7	578.6	551.5	524.3	497.3	470.0
20°	970.4	910.4	850.1	784.9	719.5	654.3	588.9	554.8	520.9	486.7	452.6
22.5°	1129.0	1053.2	977.5	895.2	812.9	730.5	648.2	598.7	549.2	499.6	450.1
25°	1255.0	1182.1	1109.2	1004.9	900.6	796.3	691.9	635.7	579.5	523.2	467.0
27.5°	1377.3	1261.3	1145.1	1025.6	906.3	786.9	667.4	615.4	563.4	511.5	459.5
30°	1480.7	1388.6	1296.6	1140.7	984.8	828.7	672.7	608.9	545.0	481.2	417.3
32.5°	1632.0	1500.6	1369.1	1206.5	1043.8	881.2	718.6	636.9	555.2	473.5	391.8
35°	1809.0	1672.5	1535.9	1334.8	1133.8	932.6	731.4	644.9	558.3	471.8	385.1
37.5°	2139.1	1898.4	1657.5	1437.9	1218.3	998.6	779.0	678.5	578.0	477.3	376.8
40°	2321.1	2098.6	1876.1	1602.5	1328.8	1055.0	781.3	678.5	575.5	472.7	369.7
42.5°	2563.7	2282.3	2000.8	1704.9	1409.2	1113.3	817.3	703.4	589.5	475.4	361.5
45°	2711.5	2398.0	2084.2	1768.0	1451.7	1135.5	819.3	703.6	588.0	472.3	356.7
47.5°	2806.8	2505.7	2204.5	1864.1	1523.7	1183.1	842.7	719.9	597.0	474.3	351.3
50°	2897.1	2598.9	2300.5	1947.1	1593.8	1240.4	887.0	752.9	618.9	484.6	350.6
52.5°	3008.0	2733.4	2458.6	2079.4	1700.1	1320.9	941.6	795.7	649.7	503.8	357.9
55°	3169.3	2898.7	2627.9	2220.9	1813.8	1406.9	999.7	837.7	675.8	513.8	351.7
57.5°	3273.8	2999.4	2724.9	2309.9	1894.9	1479.7	1064.7	885.2	705.7	526.0	346.5
60°	3239.1	2956.0	2672.8	2277.1	1881.5	1485.9	1090.2	896.4	702.7	508.8	314.9
62.5°	3085.7	2784.8	2483.9	2129.5	1775.3	1420.9	1066.5	869.3	672.4	475.2	278.1
65°	2871.3	2560.2	2248.9	1929.3	1609.6	1289.9	970.2	791.3	612.1	433.2	254.1
67.5°	2608.1	2283.9	1959.4	1676.3	1393.2	1110.0	826.9	677.4	528.0	378.4	228.8
70°	2278.1	1959.4	1640.6	1395.7	1150.8	905.9	661.0	548.5	436.1	323.5	211.0
72.5°	1831.1	1556.1	1281.1	1088.3	895.6	702.9	510.1	431.9	353.8	275.6	197.3
75°	1302.3	1140.7	979.0	829.0	679.1	528.9	378.9	328.3	277.7	227.1	176.4
77.5°	925.5	830.2	734.9	617.3	499.8	382.2	264.6	234.9	205.4	175.7	145.9
80°	684.3	604.7	525.1	436.5	347.9	259.3	170.7	156.1	141.7	127.1	112.6
82.5°	450.5	414.6	378.6	308.4	238.2	168.0	97.8	92.4	87.1	81.7	76.3
85°	201.7	213.1	224.2	181.2	138.1	95.1	52.0	49.5	47.0	44.5	42.0
87.5°	19.4	28.6	37.8	32.4	26.8	21.5	15.9	15.7	15.7	15.5	15.3
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):

	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°	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7
2.5°	501.7	504.4	507.1	509.7	506.9	504.0	500.9	498.0	494.4	490.8	486.9
5°	596.8	588.6	580.5	572.3	560.0	547.7	535.2	523.0	521.4	519.7	518.2
7.5°	553.8	538.9	523.7	508.6	489.4	470.4	451.2	432.1	426.3	420.6	414.8
10°	504.4	494.0	483.8	473.5	461.6	449.7	437.6	425.7	410.0	394.1	378.4
12.5°	500.1	483.3	466.2	449.3	442.0	434.8	427.5	420.2	406.4	392.6	378.6
15°	473.3	459.5	445.9	432.1	421.5	411.0	400.4	389.9	378.8	367.4	356.3
17.5°	454.3	438.6	422.9	407.1	395.1	383.0	370.7	358.6	345.2	331.6	318.2
20°	434.6	416.7	398.7	380.7	365.3	350.2	334.8	319.5	304.7	290.2	275.4
22.5°	426.5	402.9	379.3	355.7	339.6	323.3	307.2	290.9	277.3	263.7	250.1
25°	438.8	410.8	382.6	354.4	332.7	310.9	289.2	267.3	256.0	244.7	233.2
27.5°	424.4	389.1	354.0	318.7	295.5	272.1	248.9	225.5	223.8	222.1	220.2
30°	380.3	343.3	306.3	269.3	248.0	226.5	205.2	183.7	179.7	175.5	171.4
32.5°	354.0	316.2	278.5	240.7	221.7	202.5	183.5	164.4	159.7	155.1	150.5
35°	344.0	303.0	262.0	220.9	204.6	188.3	172.0	155.7	152.5	149.4	146.1
37.5°	336.0	295.3	254.5	213.6	197.9	182.2	166.3	150.5	148.1	145.6	143.1
40°	328.3	287.1	245.7	204.2	190.2	176.4	162.4	148.4	146.9	145.4	143.6
42.5°	321.4	281.3	241.1	201.0	188.5	176.2	163.8	151.3	149.8	148.2	146.7
45°	317.6	278.5	239.3	200.2	191.2	182.2	173.0	164.0	160.3	156.7	152.8
47.5°	314.7	278.1	241.4	204.8	195.4	186.0	176.6	167.2	164.0	160.7	157.3
50°	315.3	280.2	244.9	209.6	198.3	186.8	175.5	164.0	163.6	163.2	162.8
52.5°	320.5	283.3	245.9	208.5	196.2	183.9	171.4	159.2	161.7	164.0	166.5
55°	313.0	274.2	235.3	196.6	184.9	173.4	161.7	150.0	153.2	156.3	159.6
57.5°	304.5	262.5	220.5	178.5	169.7	160.9	151.9	143.1	146.5	150.2	153.6
60°	276.5	238.2	199.8	161.5	155.5	149.6	143.6	137.7	139.2	140.8	142.3
62.5°	245.9	213.4	181.2	148.8	144.2	139.4	134.8	130.0	130.0	130.2	130.2
65°	226.3	198.5	170.7	142.9	137.7	132.5	127.1	122.0	121.2	120.4	119.7
67.5°	206.7	184.9	162.8	140.8	133.3	126.0	118.5	111.0	110.1	109.3	108.4
70°	191.4	171.8	152.3	132.7	124.3	116.0	107.6	99.1	98.4	97.8	97.0
72.5°	178.9	160.7	142.3	123.9	115.1	106.1	97.2	88.2	87.6	87.1	86.3
75°	160.1	144.0	127.7	111.4	102.8	94.4	85.7	77.1	76.3	75.8	75.0
77.5°	132.5	118.9	105.5	91.9	85.1	78.6	71.9	65.2	64.8	64.4	63.9
80°	102.0	91.5	80.7	70.2	65.8	61.2	56.8	52.2	52.0	51.8	51.4
82.5°	70.0	63.7	57.3	51.0	47.8	44.3	41.0	37.6	37.8	38.0	38.2
85°	39.9	37.6	35.5	33.2	30.5	28.0	25.3	22.6	23.2	23.8	24.2
87.5°	14.6	13.8	13.0	12.3	10.9	9.8	8.4	7.1	7.5	8.1	8.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: MSA-SA1B-730-U-SLR

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: P366766
 CATALOG NUMBER: MSA-SA1B-730-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7
2.5°	483.3	477.5	471.8	466.0	460.3	448.4	436.7	424.8	412.9	420.2	427.7
5°	516.5	506.7	496.7	486.9	476.9	471.4	465.8	460.3	454.7	457.6	460.6
7.5°	409.1	403.3	397.4	391.6	385.7	383.2	380.9	378.4	375.9	383.0	390.1
10°	362.5	354.4	346.3	338.1	330.0	325.3	320.5	315.7	310.9	312.8	314.7
12.5°	364.8	352.9	341.0	329.1	317.2	310.1	303.0	295.9	288.8	290.5	292.3
15°	345.0	332.7	320.5	308.2	295.9	287.7	279.2	271.0	262.5	259.7	256.6
17.5°	304.5	291.1	277.7	264.3	250.8	245.3	239.7	234.2	228.6	225.5	222.5
20°	260.6	248.2	235.7	223.2	210.8	206.9	203.1	199.1	195.2	193.3	191.2
22.5°	236.5	228.8	220.9	213.3	205.4	201.0	196.8	192.4	187.9	185.8	183.5
25°	221.9	223.4	225.1	226.7	228.2	226.3	224.2	222.3	220.2	220.9	221.5
27.5°	218.4	221.7	225.1	228.4	231.7	233.4	235.1	236.8	238.6	239.1	239.7
30°	167.2	169.0	170.5	172.2	173.7	178.5	183.3	187.9	192.7	200.2	207.9
32.5°	145.9	145.4	144.8	144.0	143.4	144.6	145.7	146.7	147.9	150.5	153.4
35°	142.9	141.5	140.0	138.7	137.1	137.7	138.3	138.8	139.4	141.5	143.6
37.5°	140.6	140.0	139.6	139.0	138.5	139.8	141.0	142.3	143.4	145.2	146.9
40°	142.1	141.9	141.7	141.3	141.1	141.9	142.7	143.4	144.2	146.5	148.8
42.5°	145.2	145.2	145.0	145.0	144.8	145.6	146.1	146.9	147.5	148.8	150.2
45°	149.2	148.8	148.6	148.2	147.9	147.7	147.7	147.5	147.3	148.1	149.0
47.5°	154.0	152.7	151.1	149.8	148.2	147.9	147.3	146.9	146.3	146.7	147.1
50°	162.4	158.8	155.3	151.7	148.1	147.1	146.1	145.2	144.2	144.0	144.0
52.5°	168.8	163.4	158.0	152.7	147.3	145.6	143.8	142.1	140.4	140.0	139.8
55°	162.6	158.6	154.8	150.7	146.7	144.2	141.5	139.0	136.4	135.8	135.2
57.5°	157.1	154.6	152.1	149.6	147.1	144.6	141.9	139.4	136.7	135.4	134.1
60°	143.8	143.8	144.0	144.0	144.0	141.3	138.7	136.0	133.3	131.9	130.8
62.5°	130.2	132.3	134.2	136.4	138.3	134.6	130.8	127.1	123.3	122.4	121.6
65°	118.9	119.5	120.2	120.8	121.4	118.5	115.6	112.8	109.9	109.3	108.5
67.5°	107.4	107.2	107.0	106.6	106.4	104.7	102.8	101.1	99.1	98.4	97.6
70°	96.3	96.1	95.9	95.5	95.3	93.8	92.2	90.7	89.2	88.6	88.0
72.5°	85.7	85.5	85.1	85.0	84.6	83.2	82.1	80.7	79.4	78.6	77.9
75°	74.2	73.8	73.4	73.1	72.7	71.5	70.4	69.0	67.9	67.1	66.4
77.5°	63.5	62.9	62.3	61.6	61.0	60.0	58.9	57.9	56.8	55.8	55.0
80°	51.2	50.8	50.4	49.9	49.5	48.5	47.6	46.4	45.5	44.3	43.3
82.5°	38.4	38.2	37.8	37.6	37.2	36.2	35.3	34.3	33.4	32.2	31.1
85°	24.7	24.5	24.4	24.2	24.0	23.2	22.6	21.9	21.1	19.9	19.0
87.5°	8.8	8.4	8.2	7.9	7.5	7.3	6.9	6.7	6.3	5.8	5.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366766
 CATALOG NUMBER: MSA-SA1B-730-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: P366766
 CATALOG NUMBER: MSA-SA1B-730-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7
2.5°	434.9	442.2	442.4	442.4	445.9	449.1	442.4	435.7	428.8	422.1	415.4
5°	463.5	466.4	465.6	464.7	460.5	456.2	451.8	447.4	443.0	438.6	438.8
7.5°	397.2	404.3	410.0	415.6	410.2	404.8	402.0	399.1	396.2	393.3	392.9
10°	316.4	318.3	320.6	322.8	319.5	316.0	321.8	327.6	333.1	338.9	332.5
12.5°	294.0	295.7	291.7	287.5	286.1	284.8	283.4	281.9	280.6	279.0	278.3
15°	253.7	250.7	247.6	244.3	243.6	242.6	241.6	240.5	239.5	238.4	234.9
17.5°	219.4	216.3	211.1	205.8	203.7	201.4	200.8	200.2	199.4	198.9	195.6
20°	189.3	187.2	185.8	184.3	182.2	180.1	178.0	175.9	173.6	171.4	168.4
22.5°	181.4	179.1	177.4	175.5	175.1	174.7	170.9	166.8	163.0	159.0	157.3
25°	222.3	222.8	212.3	201.6	200.6	199.6	192.7	185.6	178.7	171.6	165.7
27.5°	240.1	240.7	240.3	239.9	236.8	233.6	221.9	210.0	198.3	186.4	178.0
30°	215.4	222.8	225.7	228.6	226.5	224.2	211.9	199.8	187.6	175.3	169.7
32.5°	156.1	158.8	163.6	168.2	170.7	173.0	169.1	165.3	161.5	157.6	156.7
35°	145.6	147.7	148.6	149.6	148.1	146.5	143.6	140.8	137.7	134.8	134.2
37.5°	148.4	150.2	152.1	154.0	149.8	145.4	142.1	139.0	135.8	132.5	129.8
40°	151.1	153.4	154.6	155.7	151.5	147.3	143.3	139.4	135.4	131.4	128.7
42.5°	151.5	152.8	155.0	157.1	151.1	145.0	141.3	137.5	133.9	130.0	127.3
45°	149.8	150.5	152.5	154.4	147.5	140.4	137.1	133.7	130.4	127.0	124.7
47.5°	147.3	147.7	149.2	150.5	143.3	135.8	132.7	129.6	126.4	123.3	121.0
50°	143.8	143.6	144.8	145.7	138.3	130.8	127.7	124.8	121.8	118.7	116.8
52.5°	139.4	139.0	140.2	141.1	133.3	125.4	122.7	120.2	117.6	114.9	113.3
55°	134.4	133.9	134.8	135.8	128.1	120.2	117.9	115.4	113.1	110.7	109.3
57.5°	132.5	131.2	131.7	132.3	123.7	115.1	112.8	110.5	108.2	105.9	104.9
60°	129.4	128.1	128.7	129.1	119.9	110.5	108.4	106.1	103.9	101.6	100.7
62.5°	120.6	119.7	120.4	121.2	113.0	104.5	102.6	100.9	99.0	97.0	95.7
65°	108.0	107.2	108.7	110.3	103.2	96.1	94.9	93.8	92.4	91.3	89.9
67.5°	96.8	96.1	97.6	99.1	94.0	88.8	87.6	86.5	85.3	84.2	83.4
70°	87.4	86.9	88.2	89.6	85.1	80.7	79.6	78.6	77.5	76.3	75.8
72.5°	76.9	76.1	77.9	79.4	75.8	71.9	71.0	69.8	68.8	67.7	67.3
75°	65.6	64.8	66.4	67.7	65.2	62.5	61.6	60.6	59.6	58.7	58.5
77.5°	54.1	53.1	54.7	56.0	54.5	52.7	52.0	51.0	50.2	49.3	49.3
80°	42.2	41.0	42.2	43.1	42.6	42.0	41.4	40.7	40.1	39.3	39.5
82.5°	29.9	28.8	29.3	29.9	30.3	30.7	30.7	30.7	30.7	30.7	30.7
85°	17.8	16.7	16.9	17.1	17.6	18.2	18.4	18.6	18.8	19.0	19.2
87.5°	4.6	4.0	3.6	3.1	3.6	4.0	4.4	4.6	5.0	5.2	5.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366766
 CATALOG NUMBER: MSA-SA1B-730-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: P366766
 CATALOG NUMBER: MSA-SA1B-730-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7
2.5°	408.7	401.8	395.1	399.3	403.3	407.5	411.5	411.7	411.7	411.9	411.9
5°	439.2	439.4	439.5	435.5	431.7	427.7	423.6	421.5	419.4	417.1	415.0
7.5°	392.4	392.0	391.4	387.6	383.7	379.9	376.1	366.9	357.5	348.3	338.9
10°	326.0	319.7	313.2	311.6	310.3	308.8	307.2	304.7	302.4	299.9	297.4
12.5°	277.5	276.7	276.0	271.9	267.9	263.7	259.7	259.7	259.7	259.7	259.7
15°	231.3	227.8	224.2	222.3	220.2	218.2	216.1	215.2	214.2	213.3	212.3
17.5°	192.2	188.9	185.4	185.1	184.7	184.3	183.9	183.0	182.0	181.0	180.1
20°	165.3	162.2	159.2	160.3	161.5	162.4	163.6	162.6	161.7	160.5	159.6
22.5°	155.3	153.6	151.7	150.7	149.8	148.6	147.7	147.7	147.9	147.9	147.9
25°	159.9	154.0	148.1	145.2	142.3	139.2	136.4	135.2	134.2	133.1	131.9
27.5°	169.5	160.9	152.5	147.5	142.5	137.5	132.5	130.4	128.1	126.0	123.7
30°	164.0	158.4	152.7	146.9	141.1	135.4	129.6	127.0	124.3	121.4	118.7
32.5°	155.7	154.6	153.6	148.2	142.9	137.3	131.9	130.8	129.8	128.7	127.5
35°	133.5	132.9	132.1	130.8	129.4	128.1	126.8	125.2	123.7	122.2	120.6
37.5°	127.3	124.7	122.0	121.4	120.8	120.2	119.7	119.1	118.5	117.7	117.2
40°	126.0	123.3	120.6	119.7	118.7	117.6	116.6	116.8	117.2	117.4	117.6
42.5°	124.5	121.8	118.9	118.1	117.4	116.6	115.8	116.0	116.4	116.6	116.8
45°	122.5	120.2	117.9	116.6	115.4	114.1	112.8	113.9	115.1	116.0	117.2
47.5°	118.7	116.2	113.9	113.1	112.4	111.4	110.7	111.8	113.0	113.9	115.1
50°	114.7	112.8	110.7	110.5	110.3	109.9	109.7	110.5	111.2	112.0	112.8
52.5°	111.6	110.1	108.4	108.4	108.2	108.2	108.0	108.7	109.5	110.1	110.8
55°	108.2	106.8	105.5	105.7	106.1	106.2	106.4	107.2	108.2	108.9	109.7
57.5°	103.8	102.8	101.6	102.4	103.0	103.8	104.3	104.9	105.7	106.2	106.8
60°	99.5	98.6	97.4	98.2	99.1	99.9	100.7	101.3	101.8	102.4	103.0
62.5°	94.4	92.8	91.5	92.6	93.6	94.7	95.7	96.1	96.7	97.0	97.4
65°	88.8	87.4	86.1	86.9	87.6	88.2	89.0	89.6	90.1	90.7	91.3
67.5°	82.5	81.7	80.7	81.3	81.9	82.5	83.0	83.2	83.2	83.4	83.4
70°	75.0	74.4	73.6	74.0	74.6	75.0	75.4	75.4	75.4	75.2	75.2
72.5°	67.1	66.7	66.4	66.5	66.9	67.1	67.3	67.1	66.9	66.7	66.5
75°	58.3	58.1	57.9	58.1	58.5	58.7	58.9	58.7	58.3	58.1	57.7
77.5°	49.5	49.5	49.5	49.5	49.7	49.7	49.7	49.3	48.9	48.5	48.1
80°	39.7	39.9	40.1	40.1	40.1	40.1	40.1	39.7	39.3	38.7	38.4
82.5°	30.7	30.7	30.7	30.7	30.9	30.9	30.9	29.9	29.1	28.2	27.2
85°	19.2	19.4	19.4	19.6	19.8	19.8	19.9	18.6	17.5	16.1	14.8
87.5°	5.2	5.2	5.2	5.2	5.2	5.0	5.0	3.8	2.5	1.3	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: P366766
 CATALOG NUMBER: MSA-SA1B-730-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7
2.5°	413.1	414.2	415.2	416.3	416.5	416.7	416.7	416.9	412.9	408.9	404.6
5°	417.9	420.6	423.4	426.1	425.5	425.0	424.4	423.8	422.7	421.7	420.6
7.5°	336.8	334.8	332.7	330.6	332.3	334.1	335.8	337.5	338.3	339.1	339.6
10°	292.6	287.9	283.1	278.3	275.6	272.7	270.0	267.1	266.8	266.6	266.2
12.5°	254.7	249.5	244.5	239.3	237.8	236.1	234.5	232.8	234.3	235.9	237.2
15°	210.2	208.3	206.2	204.0	205.8	207.5	209.2	211.0	212.5	213.8	215.4
17.5°	179.1	178.4	177.4	176.4	178.0	179.7	181.2	182.8	186.2	189.7	193.1
20°	158.8	158.2	157.4	156.7	156.1	155.3	154.8	154.0	159.0	163.8	168.8
22.5°	146.7	145.6	144.4	143.3	143.4	143.6	143.6	143.8	147.9	152.1	156.1
25°	131.6	131.2	130.8	130.4	131.6	132.7	133.7	134.8	138.5	142.1	145.6
27.5°	123.9	124.1	124.3	124.5	126.0	127.7	129.3	130.8	133.3	135.8	138.3
30°	119.7	120.8	121.8	122.7	123.3	123.9	124.5	125.0	127.5	129.8	132.3
32.5°	126.0	124.5	122.7	121.2	122.0	122.9	123.7	124.5	126.8	129.1	131.4
35°	120.1	119.3	118.7	117.9	118.9	119.9	120.6	121.6	123.7	125.6	127.7
37.5°	117.0	116.8	116.6	116.4	117.0	117.6	117.9	118.5	120.4	122.4	124.1
40°	116.8	115.8	115.1	114.1	114.7	115.3	115.6	116.2	118.5	120.8	123.1
42.5°	115.6	114.5	113.1	112.0	112.6	113.3	113.9	114.5	117.0	119.3	121.8
45°	115.4	113.7	111.8	110.1	110.8	111.6	112.4	113.1	115.1	117.0	118.7
47.5°	113.3	111.6	109.9	108.2	108.5	108.9	109.1	109.5	111.2	112.8	114.5
50°	111.6	110.3	109.1	107.8	107.2	106.8	106.2	105.7	107.0	108.4	109.7
52.5°	109.5	108.2	106.6	105.3	104.5	103.8	103.0	102.2	103.4	104.3	105.5
55°	108.2	106.4	104.9	103.2	102.2	101.3	100.3	99.3	100.1	100.7	101.4
57.5°	105.3	103.8	102.0	100.5	99.3	98.2	96.8	95.7	96.1	96.5	96.8
60°	101.4	99.7	98.2	96.5	95.1	93.8	92.2	90.9	91.1	91.5	91.7
62.5°	95.9	94.4	92.6	91.1	89.6	88.2	86.7	85.1	85.5	85.7	86.1
65°	89.8	88.0	86.5	84.8	83.4	82.1	80.5	79.2	79.6	80.0	80.2
67.5°	82.3	80.9	79.8	78.4	77.3	75.9	74.8	73.4	73.6	73.8	74.0
70°	74.2	73.1	72.1	71.0	70.0	69.0	68.1	67.1	67.1	67.3	67.3
72.5°	65.6	64.6	63.7	62.7	61.8	61.0	60.0	59.1	59.5	59.8	60.0
75°	56.8	56.0	55.0	54.1	53.3	52.5	51.6	50.8	51.2	51.6	51.8
77.5°	47.6	47.0	46.2	45.6	44.9	44.1	43.1	42.4	42.8	43.1	43.3
80°	38.0	37.6	37.0	36.6	35.9	35.1	34.3	33.6	33.8	33.8	33.9
82.5°	27.4	27.6	27.6	27.8	27.2	26.5	25.9	25.1	25.1	25.1	24.9
85°	15.3	16.1	16.7	17.3	16.7	16.1	15.5	15.0	14.8	14.8	14.6
87.5°	0.6	1.0	1.5	1.9	1.7	1.5	1.2	1.0	1.2	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366766
 CATALOG NUMBER: MSA-SA1B-730-U-SLR

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: P366766
 CATALOG NUMBER: MSA-SA1B-730-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7
2.5°	400.6	403.9	407.1	410.4	413.7	418.6	423.6	428.8	434.0	431.1	428.0
5°	419.4	421.3	423.4	425.4	427.3	432.8	438.2	444.9	451.4	450.7	449.7
7.5°	340.4	343.1	345.8	348.3	350.9	359.4	367.8	374.9	382.0	381.1	379.9
10°	265.8	271.4	277.1	282.7	288.2	295.1	301.9	307.8	313.7	323.7	333.5
12.5°	238.8	247.4	256.0	264.6	273.3	278.3	283.1	290.7	298.4	303.8	309.3
15°	216.7	224.8	232.8	240.9	248.9	249.3	249.7	257.7	265.8	270.4	274.8
17.5°	196.6	201.0	205.4	209.6	214.0	212.5	211.0	214.8	218.4	220.3	222.5
20°	173.6	176.6	179.7	182.8	185.8	187.9	189.9	192.2	194.3	192.4	190.2
22.5°	160.1	164.7	169.5	174.1	178.7	180.1	181.2	179.9	178.5	178.0	177.4
25°	149.2	154.8	160.5	166.1	171.6	174.3	177.0	178.2	179.1	177.0	174.9
27.5°	140.8	147.5	154.0	160.7	167.2	172.0	176.8	178.2	179.3	177.8	176.0
30°	134.6	141.9	149.2	156.5	163.8	171.1	178.2	184.5	190.6	190.0	189.5
32.5°	133.7	138.7	143.6	148.6	153.6	158.2	162.6	163.0	163.2	161.7	159.9
35°	129.6	132.9	136.2	139.4	142.7	145.6	148.2	147.9	147.5	145.9	144.4
37.5°	126.0	129.3	132.7	136.0	139.2	144.2	149.0	148.1	146.9	145.4	143.8
40°	125.4	129.1	132.7	136.2	139.8	144.4	149.0	148.1	147.1	145.2	143.3
42.5°	124.1	127.7	131.2	134.8	138.3	143.8	149.2	147.5	145.6	144.0	142.5
45°	120.6	123.9	127.1	130.4	133.7	139.6	145.6	143.4	141.3	140.8	140.0
47.5°	116.0	119.3	122.5	125.8	129.1	135.0	140.8	139.0	137.1	136.9	136.5
50°	111.0	114.1	117.4	120.4	123.5	129.4	135.2	133.7	132.1	132.3	132.3
52.5°	106.4	109.3	112.0	114.9	117.6	123.5	129.3	128.1	126.8	127.1	127.3
55°	102.0	104.3	106.6	108.9	111.2	117.0	122.7	121.0	119.3	119.9	120.4
57.5°	97.2	99.1	101.1	102.8	104.7	110.5	116.0	114.1	112.0	113.0	113.7
60°	91.9	93.6	95.3	96.8	98.6	103.8	108.7	107.0	105.1	106.4	107.6
62.5°	86.3	87.6	89.0	90.3	91.7	96.5	101.3	99.9	98.6	100.1	101.4
65°	80.5	81.5	82.7	83.6	84.6	89.2	93.6	92.6	91.7	93.0	94.4
67.5°	74.2	75.0	75.9	76.7	77.5	81.7	85.9	85.0	83.8	85.0	85.9
70°	67.3	68.1	68.7	69.4	70.0	73.8	77.7	76.3	74.8	75.9	76.9
72.5°	60.4	60.8	61.4	61.8	62.1	65.0	67.9	66.7	65.6	66.7	67.7
75°	52.2	52.5	52.9	53.3	53.7	56.2	58.5	57.1	55.6	56.8	57.9
77.5°	43.7	43.9	44.3	44.5	44.7	46.4	47.9	46.6	45.1	46.4	47.8
80°	33.9	34.1	34.3	34.3	34.5	35.1	35.7	34.7	33.6	35.3	37.0
82.5°	24.9	24.7	24.7	24.5	24.4	24.4	24.2	23.6	22.8	24.4	25.9
85°	14.4	14.2	13.8	13.6	13.2	12.7	12.1	11.9	11.7	13.0	14.4
87.5°	1.5	1.3	1.0	0.8	0.4	0.2	0.0	0.0	0.0	0.8	1.7
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



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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: P366766

CATALOG NUMBER: MSA-SA1B-730-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7
2.5°	425.2	422.1	419.2	416.3	413.5	410.6	416.0	421.3	426.7	432.1	436.9
5°	448.9	448.0	445.5	443.2	440.7	438.2	439.5	441.1	442.4	443.8	446.6
7.5°	378.9	377.8	383.2	388.3	393.7	398.9	400.2	401.4	402.7	403.9	403.1
10°	343.5	353.2	355.7	358.0	360.5	362.8	366.7	370.5	374.2	378.0	380.1
12.5°	314.7	320.1	328.9	337.9	346.7	355.6	361.3	367.1	372.8	378.6	390.5
15°	279.4	283.8	290.5	297.3	304.0	310.7	318.9	327.4	335.6	343.9	356.9
17.5°	224.4	226.3	231.3	236.3	241.1	246.0	257.2	268.1	279.2	290.2	305.1
20°	188.3	186.2	186.2	186.4	186.4	186.4	197.5	208.5	219.6	230.5	250.3
22.5°	176.6	176.0	173.9	171.6	169.5	167.2	173.0	178.9	184.7	190.4	206.5
25°	172.6	170.5	167.8	165.1	162.4	159.7	163.4	167.0	170.7	174.3	187.0
27.5°	174.5	172.8	174.1	175.3	176.6	177.8	178.9	180.1	181.2	182.4	186.8
30°	188.9	188.3	190.4	192.4	194.5	196.4	193.7	191.2	188.5	185.8	187.4
32.5°	158.4	156.7	155.9	155.1	154.4	153.6	153.4	153.2	152.8	152.7	156.1
35°	142.9	141.3	140.2	139.0	137.7	136.5	137.1	137.5	138.1	138.5	142.3
37.5°	142.3	140.8	139.4	138.1	136.5	135.2	135.8	136.5	137.1	137.7	140.6
40°	141.3	139.4	138.7	137.9	137.1	136.4	136.7	137.1	137.3	137.7	139.8
42.5°	140.8	139.2	138.8	138.5	138.1	137.7	138.1	138.5	138.7	139.0	141.5
45°	139.4	138.7	139.0	139.4	139.8	140.2	140.2	140.2	140.2	140.2	142.9
47.5°	136.4	136.0	137.1	138.3	139.4	140.6	142.5	144.4	146.1	148.1	148.6
50°	132.5	132.5	134.4	136.4	138.1	140.0	144.6	149.0	153.6	158.0	155.1
52.5°	127.7	127.9	130.8	133.5	136.4	139.0	143.3	147.5	151.5	155.7	151.5
55°	120.8	121.4	125.0	128.5	132.1	135.6	138.8	142.1	145.4	148.6	144.2
57.5°	114.7	115.4	119.3	122.9	126.8	130.4	132.3	134.4	136.4	138.3	135.4
60°	108.9	110.1	115.1	120.1	124.8	129.8	128.3	126.8	125.0	123.5	123.3
62.5°	103.0	104.3	108.9	113.5	117.9	122.5	120.2	117.9	115.4	113.1	114.1
65°	95.5	96.8	99.0	101.1	103.0	105.1	104.9	104.9	104.7	104.5	106.4
67.5°	87.1	88.0	89.4	90.5	91.9	93.0	93.8	94.7	95.5	96.3	98.6
70°	78.1	79.0	80.4	81.5	82.8	84.0	85.0	85.9	86.7	87.6	89.9
72.5°	68.8	69.8	71.1	72.5	73.6	75.0	75.8	76.5	77.1	77.9	79.8
75°	59.1	60.2	61.6	62.7	64.1	65.2	65.8	66.4	66.9	67.5	69.2
77.5°	49.1	50.4	51.8	53.1	54.5	55.8	56.0	56.2	56.4	56.6	58.1
80°	38.5	40.3	41.6	43.0	44.3	45.6	45.6	45.6	45.6	45.6	46.4
82.5°	27.4	29.0	30.5	31.8	33.4	34.7	34.7	34.5	34.5	34.3	34.3
85°	15.7	17.1	18.0	19.2	20.1	21.1	21.1	21.1	20.9	20.9	20.5
87.5°	2.5	3.3	3.6	4.2	4.6	5.0	4.8	4.8	4.6	4.4	3.8
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



REPORT NUMBER: P366766
 CATALOG NUMBER: MSA-SA1B-730-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: P366766
 CATALOG NUMBER: MSA-SA1B-730-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7
2.5°	441.7	446.5	451.2	450.5	449.7	448.9	448.2	451.1	453.7	456.6	459.3
5°	449.3	452.2	454.9	457.0	459.1	461.2	463.3	473.1	482.7	492.5	502.1
7.5°	402.3	401.4	400.6	409.6	418.8	427.9	436.9	449.3	461.8	474.3	486.7
10°	382.2	384.3	386.4	390.1	393.9	397.5	401.2	413.5	425.7	438.0	450.3
12.5°	402.2	414.0	425.7	428.6	431.7	434.6	437.4	439.9	442.4	444.7	447.2
15°	369.9	383.0	396.0	403.5	411.0	418.3	425.7	444.5	463.1	481.9	500.5
17.5°	319.9	334.8	349.6	368.0	386.4	404.8	423.2	440.5	457.8	474.8	492.1
20°	270.0	289.6	309.3	329.5	349.4	369.6	389.5	406.4	423.2	439.9	456.8
22.5°	222.5	238.6	254.5	279.0	303.4	327.9	352.3	383.7	415.0	446.5	477.7
25°	199.4	212.1	224.6	249.9	275.2	300.3	325.6	366.5	407.1	448.0	488.6
27.5°	191.4	195.8	200.2	223.2	246.0	269.1	291.9	336.0	380.1	424.0	468.1
30°	188.9	190.4	192.0	210.0	228.0	246.0	264.1	307.6	351.3	394.9	438.4
32.5°	159.4	162.8	166.1	183.7	201.2	218.8	236.3	280.2	323.9	367.8	411.5
35°	146.1	150.0	153.8	171.1	188.3	205.4	222.7	268.9	315.3	361.5	407.7
37.5°	143.4	146.3	149.2	168.8	188.3	207.9	227.4	274.2	321.0	367.8	414.6
40°	142.1	144.2	146.3	165.3	184.5	203.5	222.5	271.6	320.5	369.6	418.5
42.5°	143.8	146.3	148.6	165.9	183.0	200.2	217.3	268.1	318.7	369.6	420.2
45°	145.4	148.1	150.5	166.7	182.8	198.9	215.0	269.3	323.3	377.6	431.7
47.5°	149.0	149.6	150.0	164.0	177.8	191.8	205.6	260.8	316.0	371.1	426.3
50°	152.1	149.2	146.1	160.7	175.1	189.7	204.0	256.4	308.8	360.9	413.3
52.5°	147.3	142.9	138.7	154.4	170.1	185.6	201.4	253.7	306.3	358.6	411.0
55°	140.0	135.6	131.2	147.1	163.0	178.9	194.8	247.0	299.4	351.5	403.7
57.5°	132.7	129.8	127.0	140.0	153.2	166.3	179.3	235.9	292.3	348.8	405.2
60°	123.1	122.7	122.5	132.7	143.1	153.2	163.4	218.8	274.0	329.5	384.7
62.5°	114.9	115.8	116.6	124.8	133.1	141.1	149.4	202.9	256.6	310.1	363.6
65°	108.5	110.5	112.4	121.8	131.2	140.4	149.8	194.7	239.5	284.4	329.3
67.5°	100.9	103.2	105.5	117.7	130.0	142.3	154.6	191.6	228.6	265.6	302.6
70°	92.1	94.4	96.5	112.2	127.7	143.4	159.0	191.8	224.8	257.6	290.3
72.5°	81.7	83.6	85.5	102.4	119.3	136.2	153.0	180.8	208.7	236.3	264.1
75°	71.1	72.9	74.6	89.2	103.8	118.3	132.9	154.4	175.7	197.1	218.4
77.5°	59.5	61.0	62.3	72.1	81.9	91.7	101.4	117.9	134.2	150.7	167.0
80°	47.2	47.9	48.7	54.5	60.0	65.8	71.3	82.3	93.2	103.9	114.9
82.5°	34.5	34.5	34.5	38.2	42.0	45.6	49.3	54.8	60.2	65.8	71.1
85°	20.1	19.6	19.2	21.7	24.2	26.7	29.1	31.5	33.8	36.1	38.4
87.5°	3.3	2.5	1.9	3.5	5.0	6.5	8.1	8.8	9.8	10.5	11.3
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):

	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: P366766

CATALOG NUMBER: MSA-SA1B-730-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7
2.5°	452.8	446.5	439.9	433.4	443.0	452.6	462.2	471.8	497.3	512.4	513.4
5°	510.1	518.2	526.2	534.3	542.3	550.4	558.3	566.3	607.7	633.2	638.0
7.5°	500.0	513.4	526.6	539.8	562.7	585.5	608.3	631.1	666.2	691.5	708.2
10°	466.8	483.3	499.8	516.3	543.3	570.5	597.6	624.6	661.8	695.2	711.1
12.5°	473.5	499.8	525.8	552.1	575.5	599.1	622.5	645.9	671.6	684.3	713.2
15°	518.8	537.0	555.2	573.4	608.7	643.8	679.1	714.2	728.7	757.7	783.8
17.5°	525.7	559.0	592.6	626.0	669.1	712.3	755.4	798.6	825.6	863.0	894.4
20°	504.2	551.4	598.7	645.9	701.5	757.3	812.9	868.5	902.9	934.3	983.0
22.5°	529.9	582.0	634.0	686.2	760.0	833.6	907.5	981.1	1052.8	1123.0	1156.0
25°	558.3	628.1	697.7	767.3	859.5	951.6	1043.8	1135.9	1228.1	1293.9	1331.9
27.5°	538.3	608.3	678.5	748.5	862.6	976.9	1091.0	1205.1	1303.9	1383.1	1415.7
30°	524.3	610.2	696.1	782.1	915.9	1049.8	1183.6	1317.5	1408.8	1497.2	1545.1
32.5°	521.8	632.1	742.2	852.4	1008.4	1164.1	1320.0	1475.7	1536.3	1614.7	1679.4
35°	528.7	649.9	770.9	891.9	1070.7	1249.4	1428.0	1606.7	1692.8	1770.5	1827.0
37.5°	549.8	685.0	820.0	955.2	1170.6	1386.2	1601.5	1816.9	1961.3	2103.4	2128.7
40°	561.7	705.2	848.4	991.7	1242.1	1492.6	1743.0	1993.5	2159.6	2315.5	2326.0
42.5°	575.7	731.2	886.6	1042.1	1319.8	1597.7	1875.4	2153.1	2358.6	2526.3	2531.2
45°	591.8	751.8	911.9	1071.8	1361.8	1651.6	1941.5	2231.3	2479.8	2683.5	2633.8
47.5°	598.1	770.2	942.0	1113.8	1423.0	1731.9	2041.1	2350.0	2573.0	2758.3	2710.7
50°	600.6	788.2	975.6	1162.9	1483.2	1803.6	2123.9	2444.2	2671.0	2851.7	2778.8
52.5°	616.2	821.4	1026.6	1231.8	1565.5	1899.1	2232.8	2566.5	2789.8	2963.3	2872.8
55°	637.1	870.5	1103.7	1337.1	1682.4	2027.6	2373.0	2718.2	2942.2	3103.7	2991.5
57.5°	656.4	907.9	1159.1	1410.3	1768.2	2126.2	2484.1	2841.9	3068.8	3228.5	3119.8
60°	647.0	909.4	1171.7	1434.1	1785.8	2137.3	2489.1	2840.6	3098.1	3289.7	3234.1
62.5°	618.7	873.7	1128.6	1383.7	1717.5	2051.2	2385.1	2718.8	3020.3	3265.9	3263.4
65°	564.0	798.7	1033.3	1268.0	1577.0	1886.1	2195.1	2504.0	2859.4	3157.8	3177.1
67.5°	497.5	692.3	887.2	1082.0	1372.9	1663.8	1954.8	2245.7	2625.6	2954.9	2971.6
70°	433.0	575.9	718.6	861.3	1116.7	1372.2	1627.4	1882.8	2266.6	2599.7	2615.0
72.5°	357.5	450.9	544.1	637.5	844.4	1051.3	1258.0	1465.0	1801.9	2058.1	2144.6
75°	273.9	329.3	384.7	440.1	607.5	775.0	942.2	1109.6	1333.6	1522.7	1620.1
77.5°	195.8	224.6	253.3	282.1	424.4	566.7	708.8	851.1	968.8	1076.1	1141.8
80°	128.5	141.9	155.5	169.0	287.3	405.6	523.7	642.1	713.8	771.3	804.5
82.5°	77.9	84.6	91.1	97.8	193.7	289.6	385.3	481.2	522.2	549.6	579.2
85°	42.0	45.6	49.3	52.9	114.5	175.9	237.4	298.8	302.8	306.1	350.0
87.5°	12.3	13.4	14.4	15.3	25.3	35.5	45.5	55.4	34.5	21.5	44.1
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):

	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: P366766

CATALOG NUMBER: MSA-SA1B-730-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7
2.5°	507.8	505.3	502.8	500.1	497.7	487.1	476.8	466.2	455.7	465.8	475.8
5°	632.5	640.1	647.6	655.3	663.0	663.5	663.9	664.5	664.9	666.8	668.7
7.5°	722.2	735.8	749.3	762.9	776.5	787.0	797.6	808.3	818.9	809.3	799.7
10°	729.9	758.7	787.4	816.2	845.0	850.1	855.1	860.3	865.5	872.4	879.1
12.5°	737.6	772.7	807.6	842.7	877.8	893.1	908.2	923.6	938.7	946.2	953.5
15°	818.7	839.4	859.9	880.6	901.2	911.7	922.1	932.6	943.2	949.5	955.6
17.5°	923.0	930.7	938.2	945.8	953.5	960.6	967.7	974.8	981.9	983.0	984.2
20°	1018.1	1019.7	1021.0	1022.5	1023.9	1008.9	994.2	979.2	964.2	966.9	969.4
22.5°	1160.8	1152.4	1144.1	1135.7	1127.4	1099.3	1071.3	1043.1	1015.1	1003.0	991.1
25°	1375.6	1354.1	1332.6	1311.2	1289.7	1244.8	1200.1	1155.3	1110.6	1084.3	1058.2
27.5°	1444.8	1398.0	1351.4	1304.6	1257.9	1223.9	1190.2	1156.2	1122.5	1080.8	1039.2
30°	1584.8	1511.0	1437.4	1363.5	1289.7	1256.9	1224.1	1191.1	1158.3	1115.7	1073.4
32.5°	1708.9	1632.2	1555.5	1478.6	1401.9	1339.7	1277.6	1215.5	1153.3	1124.6	1095.8
35°	1852.5	1756.1	1659.6	1563.2	1466.7	1413.4	1360.3	1306.9	1253.8	1210.3	1167.0
37.5°	2061.8	1959.2	1856.6	1753.8	1651.2	1579.1	1507.2	1435.1	1363.1	1339.2	1315.4
40°	2261.2	2140.0	2019.0	1897.8	1776.8	1721.6	1666.3	1610.9	1555.7	1515.2	1474.8
42.5°	2428.3	2308.4	2188.7	2068.9	1949.2	1908.9	1868.8	1828.6	1788.5	1755.1	1721.8
45°	2485.6	2387.8	2290.2	2192.4	2094.6	2080.4	2066.4	2052.2	2038.2	2013.4	1988.7
47.5°	2577.8	2478.1	2378.6	2278.9	2179.1	2184.3	2189.5	2194.9	2200.0	2201.4	2202.5
50°	2632.1	2537.4	2442.8	2348.1	2253.6	2278.7	2303.6	2328.7	2353.8	2410.8	2467.6
52.5°	2711.3	2618.3	2525.5	2432.5	2339.5	2382.0	2424.4	2467.0	2509.4	2589.2	2668.9
55°	2810.7	2721.7	2632.9	2543.9	2455.1	2496.5	2537.8	2579.2	2620.4	2709.2	2798.0
57.5°	2942.4	2847.1	2752.0	2656.7	2561.5	2599.7	2637.7	2675.8	2713.8	2798.2	2882.6
60°	3092.4	2988.8	2885.3	2781.5	2677.9	2688.5	2698.9	2709.4	2719.8	2811.2	2902.5
62.5°	3166.0	3070.1	2974.4	2878.5	2782.7	2753.3	2724.0	2694.4	2665.1	2747.0	2828.7
65°	3102.2	3036.2	2970.4	2904.4	2838.5	2786.7	2735.1	2683.3	2631.5	2682.7	2733.8
67.5°	2898.9	2861.5	2824.3	2786.9	2749.5	2662.6	2575.7	2488.7	2401.8	2405.2	2408.5
70°	2569.4	2559.4	2549.7	2539.7	2529.7	2399.1	2268.7	2138.1	2007.5	1987.6	1967.6
72.5°	2151.9	2158.4	2164.8	2171.3	2177.8	2037.4	1897.0	1756.7	1616.3	1583.1	1549.9
75°	1666.7	1702.8	1738.8	1775.1	1811.1	1676.9	1542.6	1408.2	1274.0	1233.1	1192.3
77.5°	1177.7	1245.0	1312.1	1379.4	1446.8	1325.4	1204.2	1082.8	961.4	934.9	908.4
80°	821.2	854.2	887.2	920.1	953.1	892.1	831.2	770.2	709.2	716.5	723.6
82.5°	598.1	605.8	613.3	621.0	628.6	603.7	578.8	553.7	528.7	547.7	566.7
85°	383.2	410.6	437.8	465.2	492.5	464.9	437.2	409.4	381.8	394.5	407.1
87.5°	85.7	135.6	185.4	235.5	285.4	258.5	231.9	205.0	178.2	166.1	154.2
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):

	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: P366766

CATALOG NUMBER: MSA-SA1B-730-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7
2.5°	486.0	496.1	493.1	490.2	487.1	484.0	489.6	495.2	500.9	506.5	504.6
5°	670.8	672.7	654.5	636.5	618.3	600.1	611.4	622.7	634.0	645.3	641.3
7.5°	790.1	780.5	770.0	759.4	748.7	738.1	735.8	733.5	731.0	728.7	725.7
10°	886.0	892.7	885.8	879.1	872.2	865.3	849.2	833.1	816.8	800.7	793.9
12.5°	961.0	968.5	970.2	971.7	973.5	975.2	957.2	939.3	921.3	903.3	887.0
15°	961.9	968.3	973.8	979.2	984.8	990.1	979.0	968.1	957.0	945.8	940.7
17.5°	985.5	986.7	982.1	977.7	973.1	968.7	964.2	960.0	955.6	951.4	943.2
20°	972.1	974.8	974.2	973.6	972.9	972.3	972.7	972.9	973.3	973.5	968.8
22.5°	979.0	966.9	969.4	971.7	974.2	976.5	983.4	990.3	997.4	1004.3	1022.7
25°	1031.9	1005.7	1001.6	997.8	993.8	989.9	1008.0	1025.8	1043.8	1061.9	1091.8
27.5°	997.4	955.8	946.6	937.4	928.2	919.0	946.4	973.6	1001.1	1028.5	1059.0
30°	1030.8	988.4	968.1	947.8	927.2	906.9	933.2	959.3	985.5	1011.6	1045.4
32.5°	1067.0	1038.3	1024.7	1011.2	997.6	984.2	986.3	988.4	990.5	992.6	1040.2
35°	1123.4	1079.9	1066.5	1053.0	1039.6	1026.2	1048.6	1070.9	1093.3	1115.6	1155.8
37.5°	1291.4	1267.4	1243.3	1219.1	1194.8	1170.6	1183.8	1197.1	1210.3	1223.5	1261.5
40°	1434.3	1393.8	1389.8	1386.0	1381.9	1377.9	1379.1	1380.0	1381.2	1382.3	1414.7
42.5°	1688.2	1654.8	1634.3	1613.8	1593.3	1572.7	1571.4	1570.1	1568.5	1567.2	1591.5
45°	1963.8	1939.0	1923.7	1908.4	1892.8	1877.5	1853.1	1828.8	1804.2	1779.9	1801.2
47.5°	2203.9	2205.2	2233.0	2260.6	2288.5	2316.3	2274.6	2233.0	2191.4	2149.8	2122.4
50°	2524.5	2581.3	2588.0	2594.5	2601.2	2608.0	2537.4	2467.0	2396.4	2325.8	2297.1
52.5°	2748.9	2828.7	2818.3	2808.2	2797.8	2787.5	2746.6	2705.9	2665.1	2624.3	2561.5
55°	2887.0	2975.8	2967.9	2960.2	2952.4	2944.5	2914.8	2885.1	2855.3	2825.6	2756.8
57.5°	2967.0	3051.3	3053.6	3055.9	3058.2	3060.5	3052.7	3044.8	3037.0	3029.1	2939.5
60°	2994.0	3085.5	3086.4	3087.2	3088.2	3088.9	3076.5	3064.0	3051.3	3038.9	2980.4
62.5°	2910.6	2992.3	2995.9	2999.4	3003.0	3006.7	2998.0	2989.4	2980.8	2972.1	2928.8
65°	2785.0	2836.2	2837.1	2837.9	2838.8	2839.8	2817.9	2796.3	2774.4	2752.5	2742.2
67.5°	2412.0	2415.4	2435.7	2456.1	2476.4	2496.7	2498.4	2500.2	2502.1	2503.8	2488.9
70°	1947.7	1927.7	1949.8	1971.8	1993.9	2015.9	2025.3	2034.7	2044.3	2053.7	2060.6
72.5°	1516.6	1483.4	1499.7	1516.0	1532.5	1548.8	1534.8	1520.8	1506.8	1492.8	1537.1
75°	1151.4	1110.6	1108.5	1106.5	1104.4	1102.5	1095.4	1088.3	1081.0	1073.9	1115.4
77.5°	881.8	855.3	856.7	857.8	859.2	860.3	853.0	845.9	838.6	831.3	847.3
80°	730.9	738.0	738.1	738.3	738.5	738.7	731.8	725.1	718.2	711.3	699.8
82.5°	585.9	604.9	604.7	604.7	604.5	604.3	603.9	603.5	602.9	602.6	583.8
85°	419.8	432.5	419.4	406.4	393.3	380.3	389.9	399.5	409.2	418.8	411.0
87.5°	142.1	130.2	114.7	99.3	83.8	68.3	85.0	101.6	118.5	135.2	144.8
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



REPORT NUMBER: P366766
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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: P366766

CATALOG NUMBER: MSA-SA1B-730-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7
2.5°	502.8	500.9	499.2	487.1	474.8	462.8	450.5	472.7	495.2	517.4	539.7
5°	637.5	633.4	629.6	628.6	627.7	626.5	625.6	636.9	648.2	659.3	670.6
7.5°	722.6	719.5	716.5	708.4	700.6	692.5	684.4	691.3	698.1	705.0	711.7
10°	787.4	780.7	774.0	756.6	739.3	721.8	704.4	699.2	694.0	688.9	683.7
12.5°	870.7	854.2	837.9	818.1	798.2	778.4	758.5	755.8	753.1	750.6	747.9
15°	935.7	930.5	925.3	909.6	893.9	878.1	862.4	841.3	820.0	798.9	777.8
17.5°	935.1	926.8	918.8	939.9	960.8	981.9	1002.8	980.4	957.7	935.3	912.8
20°	964.2	959.5	954.8	993.8	1032.5	1071.4	1110.2	1097.9	1085.4	1073.2	1060.7
22.5°	1041.0	1059.4	1077.6	1111.0	1144.1	1177.5	1210.7	1224.7	1238.7	1252.7	1266.7
25°	1121.5	1151.4	1181.3	1231.0	1280.5	1330.2	1379.8	1389.8	1399.8	1409.7	1419.7
27.5°	1089.3	1119.8	1150.3	1187.9	1225.3	1262.8	1300.2	1344.0	1387.9	1431.6	1475.3
30°	1078.9	1112.7	1146.2	1197.8	1249.2	1300.8	1352.4	1412.6	1472.8	1532.9	1593.1
32.5°	1087.6	1135.1	1182.7	1252.5	1322.1	1391.9	1461.7	1525.0	1588.5	1651.8	1715.0
35°	1195.9	1236.2	1276.3	1354.3	1432.4	1510.4	1588.5	1662.7	1736.9	1810.9	1885.2
37.5°	1299.3	1337.2	1375.2	1455.0	1534.6	1614.4	1694.1	1811.3	1928.7	2045.9	2163.0
40°	1446.9	1479.4	1511.6	1579.8	1648.1	1716.4	1784.7	1926.0	2067.3	2208.7	2350.0
42.5°	1615.7	1640.1	1664.2	1735.0	1805.8	1876.5	1947.3	2101.1	2255.1	2408.9	2562.7
45°	1822.2	1843.5	1864.8	1913.5	1962.2	2011.1	2059.9	2218.5	2377.1	2535.7	2694.2
47.5°	2095.0	2067.5	2040.1	2064.1	2088.0	2112.0	2136.0	2292.9	2449.7	2606.4	2763.3
50°	2268.3	2239.6	2210.8	2212.9	2214.8	2216.9	2219.0	2365.4	2511.7	2657.8	2804.1
52.5°	2498.8	2435.9	2373.2	2372.6	2372.1	2371.3	2370.7	2498.3	2626.0	2753.5	2881.0
55°	2687.9	2619.1	2550.2	2536.8	2523.4	2509.8	2496.3	2622.5	2748.5	2874.7	3000.7
57.5°	2850.0	2760.2	2670.7	2649.6	2628.5	2607.4	2586.3	2722.2	2858.4	2994.4	3130.3
60°	2922.1	2863.6	2805.3	2779.4	2753.5	2727.6	2701.7	2817.6	2933.4	3049.0	3164.9
62.5°	2885.6	2842.3	2799.2	2805.1	2811.0	2817.0	2822.9	2889.1	2955.4	3021.6	3087.8
65°	2732.0	2721.7	2711.5	2759.5	2807.4	2855.3	2903.3	2904.2	2905.2	2906.2	2907.1
67.5°	2473.9	2458.9	2444.0	2543.7	2643.2	2743.0	2842.7	2795.3	2747.9	2700.8	2653.4
70°	2067.3	2074.2	2081.0	2216.7	2352.3	2488.1	2623.9	2555.2	2486.4	2417.7	2348.9
72.5°	1581.4	1625.9	1670.2	1810.9	1951.7	2092.5	2233.2	2154.8	2076.2	1997.7	1919.1
75°	1156.8	1198.2	1239.6	1378.7	1517.7	1656.9	1796.0	1702.8	1609.6	1516.6	1423.4
77.5°	863.2	879.3	895.2	1010.8	1126.3	1241.9	1357.4	1263.8	1170.2	1076.8	983.2
80°	688.5	677.0	665.7	729.7	793.8	857.8	921.9	855.5	789.0	722.6	656.3
82.5°	565.2	546.4	527.8	551.5	575.3	599.3	623.1	570.0	516.8	463.7	410.6
85°	403.1	395.2	387.4	394.3	401.0	407.9	414.8	363.0	311.3	259.7	207.9
87.5°	154.2	163.8	173.4	184.3	195.0	206.0	216.7	169.7	122.7	75.9	29.0
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):

	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°	416.7	416.7
2.5°	548.9	558.1
5°	670.4	670.3
7.5°	708.6	705.3
10°	675.2	666.8
12.5°	723.0	697.9
15°	752.9	727.8
17.5°	875.1	837.1
20°	1015.6	970.4
22.5°	1197.8	1129.0
25°	1337.4	1255.0
27.5°	1426.4	1377.3
30°	1536.9	1480.7
32.5°	1673.6	1632.0
35°	1847.2	1809.0
37.5°	2151.1	2139.1
40°	2335.6	2321.1
42.5°	2563.3	2563.7
45°	2702.9	2711.5
47.5°	2785.2	2806.8
50°	2850.7	2897.1
52.5°	2944.5	3008.0
55°	3085.1	3169.3
57.5°	3202.1	3273.8
60°	3202.1	3239.1
62.5°	3086.8	3085.7
65°	2889.3	2871.3
67.5°	2630.8	2608.1
70°	2313.6	2278.1
72.5°	1875.2	1831.1
75°	1362.9	1302.3
77.5°	954.5	925.5
80°	670.3	684.3
82.5°	430.5	450.5
85°	204.8	201.7
87.5°	24.2	19.4
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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CATALOG NUMBER: MSA-SA1B-730-U-SLR

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)