

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: P367250

Luminaire Tested: **MSA-SA2A-830-U-SLR**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367250
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-SA2A-830-U-SLR
Description: MESA POST TOP DECORATIVE LUMINAIRE. (2) 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: 5411 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

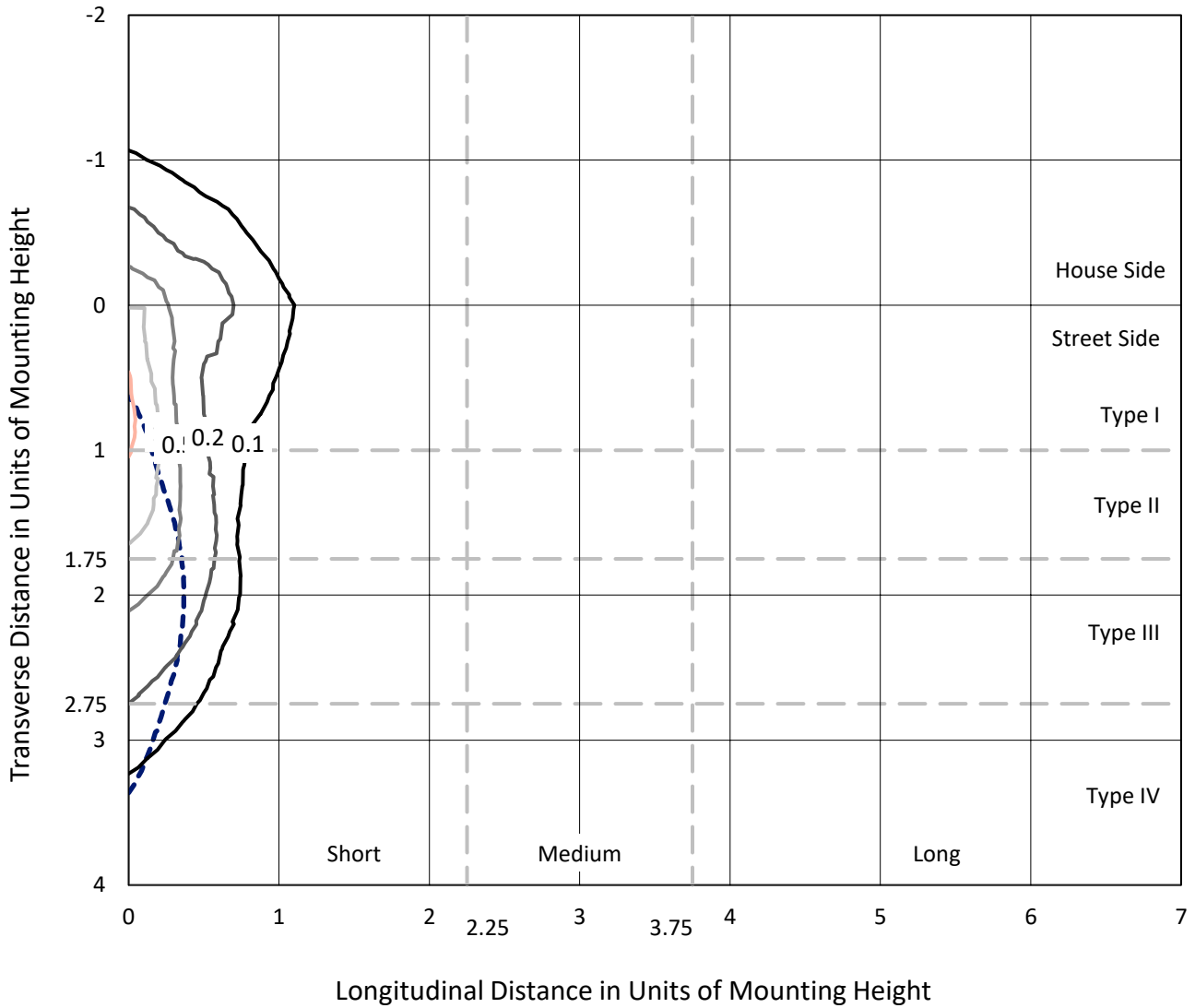
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

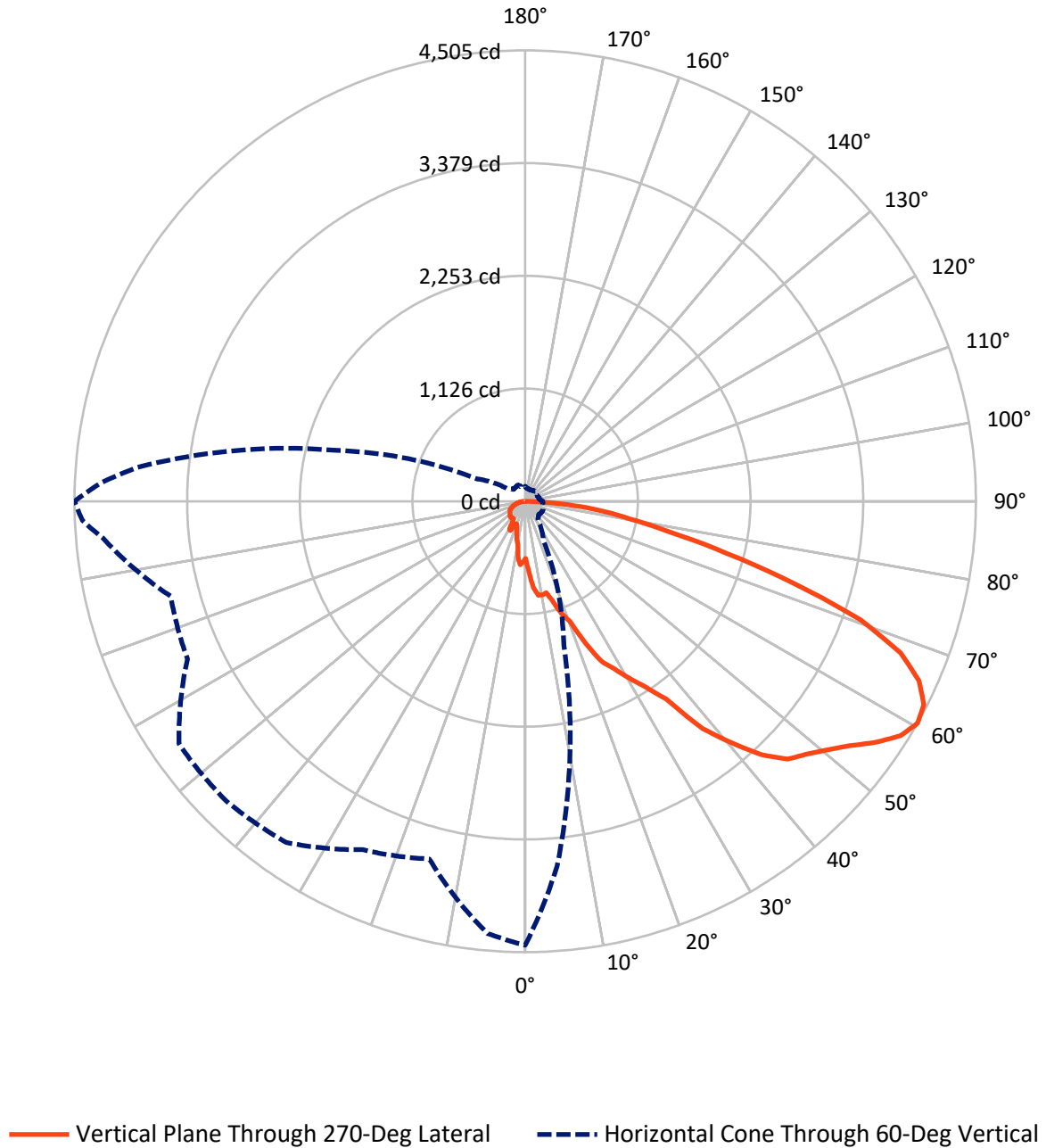
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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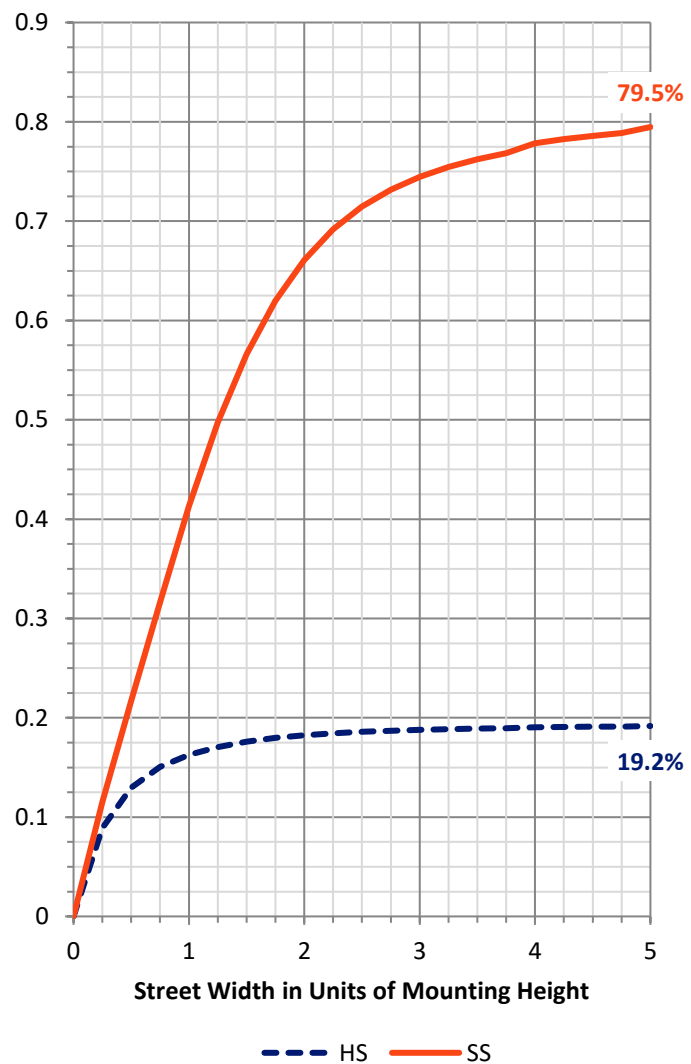
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1048.0	0.0	1048.0
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	4363.0	0.0	4363.0
	% Fixture	80.6	0.0	80.6
Total	Lumens	5411.0	0.0	5411.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	1.2
10°-20°	190.1	3.5
20°-30°	335.6	6.2
30°-40°	522.7	9.7
40°-50°	860.6	15.9
50°-60°	1228.4	22.7
60°-70°	1302.5	24.1
70°-80°	719.4	13.3
80°-90°	186.1	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°	5411.0	100.0
0°-180°	5411.0	100.0

Coefficient of Utilization

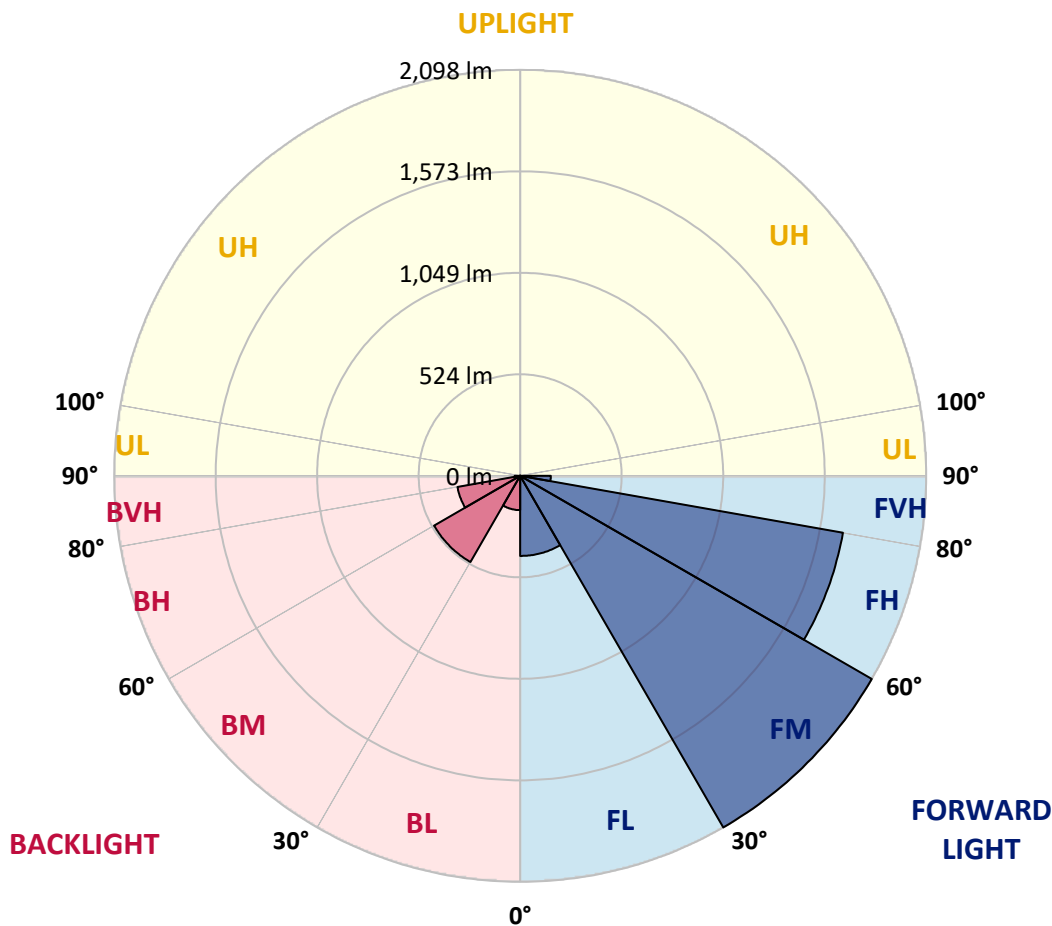


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	414.0	7.7			
FM (30°-60°)	2097.7	38.8			
FH (60°-80°)	1693.1	31.3			G1/1800
FVH (80°-90°)	158.2	2.9			G2/225
BL (0°-30°)	177.2	3.3	B1/500		
BM (30°-60°)	514.1	9.5	B1/1000		
BH (60°-80°)	328.8	6.1	B1/500		G1/500
BVH (80°-90°)	27.9	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°	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7
2.5°	764.3	769.0	773.5	764.5	755.6	746.4	737.5	724.1	710.4	697.0	683.4
5°	917.9	900.6	883.0	875.9	869.1	862.0	854.9	848.3	841.8	834.9	828.4
7.5°	966.0	941.3	916.4	905.8	895.3	884.6	874.1	850.4	826.8	802.9	779.3
10°	913.2	887.5	861.5	851.2	840.7	830.5	820.0	791.1	762.4	733.6	704.7
12.5°	955.8	929.5	903.0	870.4	837.8	805.0	772.4	756.4	740.4	724.1	708.1
15°	996.7	961.3	925.5	893.0	860.4	827.6	795.0	763.0	730.9	698.9	666.8
17.5°	1146.4	1087.3	1028.2	969.4	910.3	851.5	792.4	755.4	718.1	681.0	643.7
20°	1329.0	1246.8	1164.3	1075.0	985.4	896.1	806.6	759.8	713.3	666.6	619.8
22.5°	1546.2	1442.4	1338.7	1226.0	1113.3	1000.4	887.7	820.0	752.2	684.2	616.4
25°	1718.7	1618.9	1519.1	1376.2	1233.4	1090.5	947.6	870.7	793.7	716.5	639.5
27.5°	1886.3	1727.4	1568.2	1404.6	1241.2	1077.6	914.0	842.8	771.6	700.5	629.3
30°	2027.9	1901.8	1775.7	1562.2	1348.7	1134.9	921.3	833.9	746.4	659.0	571.5
32.5°	2235.1	2055.2	1875.0	1652.3	1429.6	1206.8	984.1	872.2	760.3	648.5	536.6
35°	2477.5	2290.5	2103.5	1828.0	1552.7	1277.2	1001.7	883.3	764.5	646.1	527.4
37.5°	2929.5	2599.9	2270.0	1969.3	1668.6	1367.6	1066.8	929.2	791.6	653.7	516.1
40°	3178.7	2874.1	2569.4	2194.6	1819.8	1444.8	1070.0	929.2	788.2	647.4	506.4
42.5°	3511.0	3125.7	2740.1	2334.9	1929.9	1524.6	1119.4	963.4	807.4	651.1	495.1
45°	3713.5	3284.1	2854.4	2421.3	1988.2	1555.1	1122.0	963.6	805.3	646.9	488.5
47.5°	3844.0	3431.7	3019.1	2552.9	2086.7	1620.2	1154.0	986.0	817.6	649.5	481.2
50°	3967.7	3559.3	3150.6	2666.6	2182.8	1698.8	1214.7	1031.1	847.5	663.7	480.1
52.5°	4119.5	3743.4	3367.1	2847.8	2328.3	1809.1	1289.6	1089.7	889.8	690.0	490.1
55°	4340.4	3969.8	3599.0	3041.6	2484.1	1926.7	1369.1	1147.2	925.5	703.6	481.7
57.5°	4483.5	4107.7	3731.9	3163.5	2595.2	2026.5	1458.2	1212.4	966.5	720.4	474.6
60°	4436.0	4048.4	3660.4	3118.6	2576.8	2034.9	1493.1	1227.6	962.3	696.8	431.3
62.5°	4225.9	3813.8	3401.7	2916.4	2431.3	1945.9	1460.5	1190.6	920.8	650.8	380.8
65°	3932.3	3506.3	3080.0	2642.2	2204.3	1766.5	1328.7	1083.7	838.4	593.3	348.0
67.5°	3571.9	3127.8	2683.4	2295.7	1908.1	1520.2	1132.5	927.6	723.1	518.2	313.3
70°	3119.9	2683.4	2246.9	1911.5	1576.1	1240.7	905.3	751.2	597.2	443.1	288.9
72.5°	2507.7	2131.1	1754.4	1490.5	1226.5	962.6	698.6	591.5	484.6	377.4	270.3
75°	1783.6	1562.2	1340.8	1135.4	930.0	724.4	519.0	449.6	380.3	311.0	241.6
77.5°	1267.5	1137.0	1006.4	845.4	684.4	523.4	362.4	321.7	281.3	240.6	199.9
80°	937.1	828.1	719.1	597.8	476.4	355.1	233.8	213.8	194.1	174.1	154.2
82.5°	616.9	567.8	518.5	422.3	326.2	230.1	133.9	126.6	119.2	111.9	104.5
85°	276.3	291.8	307.0	248.2	189.1	130.3	71.2	67.8	64.3	60.9	57.5
87.5°	26.5	39.1	51.7	44.4	36.8	29.4	21.8	21.5	21.5	21.3	21.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7
2.5°	687.1	690.7	694.4	698.1	694.2	690.2	686.0	682.1	677.1	672.1	666.8
5°	817.3	806.0	795.0	783.7	766.9	750.1	733.0	716.2	714.1	711.8	709.7
7.5°	758.5	738.0	717.3	696.5	670.3	644.3	618.0	591.7	583.9	576.0	568.1
10°	690.7	676.6	662.6	648.5	632.2	615.9	599.3	583.1	561.5	539.7	518.2
12.5°	685.0	661.9	638.5	615.4	605.4	595.4	585.4	575.4	556.5	537.6	518.5
15°	648.2	629.3	610.6	591.7	577.3	562.8	548.4	533.9	518.7	503.2	488.0
17.5°	622.2	600.7	579.1	557.6	541.0	524.5	507.7	491.1	472.8	454.1	435.7
20°	595.1	570.7	546.0	521.3	500.3	479.6	458.6	437.6	417.3	397.4	377.2
22.5°	584.1	551.8	519.5	487.2	465.1	442.8	420.8	398.4	379.8	361.1	342.5
25°	600.9	562.6	524.0	485.4	455.7	425.7	396.1	366.1	350.6	335.1	319.4
27.5°	581.2	532.9	484.8	436.5	404.7	372.7	340.9	308.9	306.5	304.1	301.5
30°	520.8	470.1	419.4	368.7	339.6	310.2	281.0	251.6	246.1	240.3	234.8
32.5°	484.8	433.1	381.4	329.6	303.6	277.3	251.3	225.1	218.8	212.5	206.2
35°	471.2	415.0	358.8	302.6	280.2	257.9	235.6	213.3	208.8	204.6	200.1
37.5°	460.1	404.5	348.5	292.6	271.0	249.5	227.7	206.2	202.8	199.3	195.9
40°	449.6	393.2	336.4	279.7	260.5	241.6	222.5	203.3	201.2	199.1	196.7
42.5°	440.2	385.3	330.1	275.2	258.2	241.4	224.3	207.2	205.1	203.0	200.9
45°	434.9	381.4	327.8	274.2	261.9	249.5	236.9	224.6	219.6	214.6	209.3
47.5°	431.0	380.8	330.7	280.5	267.6	254.8	241.9	229.0	224.6	220.1	215.4
50°	431.8	383.7	335.4	287.1	271.6	255.8	240.3	224.6	224.0	223.5	223.0
52.5°	438.9	387.9	336.7	285.5	268.7	251.9	234.8	218.0	221.4	224.6	228.0
55°	428.6	375.6	322.3	269.2	253.2	237.4	221.4	205.4	209.9	214.1	218.5
57.5°	417.1	359.6	302.0	244.5	232.4	220.4	208.0	195.9	200.7	205.6	210.4
60°	378.7	326.2	273.7	221.1	213.0	204.9	196.7	188.6	190.7	192.8	194.9
62.5°	336.7	292.3	248.2	203.8	197.5	190.9	184.6	178.1	178.1	178.3	178.3
65°	309.9	271.8	233.8	195.7	188.6	181.5	174.1	167.0	166.0	164.9	163.9
67.5°	283.1	253.2	223.0	192.8	182.5	172.6	162.3	152.1	150.8	149.7	148.4
70°	262.1	235.3	208.5	181.7	170.2	158.9	147.3	135.8	134.7	133.9	132.9
72.5°	245.0	220.1	194.9	169.7	157.6	145.2	133.2	120.8	120.0	119.2	118.2
75°	219.3	197.2	174.9	152.6	140.8	129.2	117.4	105.6	104.5	103.7	102.7
77.5°	181.5	162.8	144.5	125.8	116.6	107.7	98.5	89.3	88.8	88.2	87.5
80°	139.7	125.3	110.6	96.1	90.1	83.8	77.7	71.4	71.2	70.9	70.4
82.5°	95.9	87.2	78.5	69.9	65.4	60.7	56.2	51.5	51.7	52.0	52.3
85°	54.6	51.5	48.6	45.4	41.8	38.3	34.7	31.0	31.8	32.6	33.1
87.5°	20.0	18.9	17.9	16.8	15.0	13.4	11.6	9.7	10.2	11.0	11.6
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):

	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: P367250
 CATALOG NUMBER: MSA-SA2A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7
2.5°	661.9	654.0	646.1	638.2	630.3	614.1	598.0	581.8	565.5	575.4	585.7
5°	707.3	693.9	680.2	666.8	653.2	645.6	638.0	630.3	622.7	626.7	630.9
7.5°	560.2	552.3	544.2	536.3	528.2	524.8	521.6	518.2	514.8	524.5	534.2
10°	496.4	485.4	474.3	463.0	452.0	445.4	438.9	432.3	425.7	428.4	431.0
12.5°	499.5	483.3	467.0	450.7	434.4	424.7	415.0	405.3	395.5	397.9	400.3
15°	472.5	455.7	438.9	422.1	405.3	394.0	382.4	371.1	359.6	355.6	351.4
17.5°	417.1	398.7	380.3	361.9	343.5	335.9	328.3	320.7	313.1	308.9	304.7
20°	356.9	339.9	322.8	305.7	288.6	283.4	278.1	272.6	267.4	264.7	261.9
22.5°	323.8	313.3	302.6	292.1	281.3	275.2	269.5	263.4	257.4	254.5	251.3
25°	303.9	306.0	308.3	310.4	312.5	309.9	307.0	304.4	301.5	302.6	303.4
27.5°	299.1	303.6	308.3	312.8	317.3	319.6	322.0	324.4	326.7	327.5	328.3
30°	229.0	231.4	233.5	235.9	238.0	244.5	251.1	257.4	264.0	274.2	284.7
32.5°	199.9	199.1	198.3	197.2	196.5	198.0	199.6	200.9	202.5	206.2	210.1
35°	195.7	193.8	191.7	189.9	187.8	188.6	189.4	190.2	190.9	193.8	196.7
37.5°	192.5	191.7	191.2	190.4	189.6	191.5	193.0	194.9	196.5	198.8	201.2
40°	194.6	194.4	194.1	193.6	193.3	194.4	195.4	196.5	197.5	200.7	203.8
42.5°	198.8	198.8	198.6	198.6	198.3	199.3	200.1	201.2	202.0	203.8	205.6
45°	204.3	203.8	203.5	203.0	202.5	202.2	202.2	202.0	201.7	202.8	204.1
47.5°	210.9	209.1	207.0	205.1	203.0	202.5	201.7	201.2	200.4	200.9	201.4
50°	222.5	217.5	212.7	207.7	202.8	201.4	200.1	198.8	197.5	197.2	197.2
52.5°	231.1	223.8	216.4	209.1	201.7	199.3	197.0	194.6	192.3	191.7	191.5
55°	222.7	217.2	212.0	206.4	200.9	197.5	193.8	190.4	186.7	186.0	185.2
57.5°	215.1	211.7	208.3	204.9	201.4	198.0	194.4	190.9	187.3	185.4	183.6
60°	197.0	197.0	197.2	197.2	197.2	193.6	189.9	186.2	182.5	180.7	179.1
62.5°	178.3	181.2	183.8	186.7	189.4	184.4	179.1	174.1	168.9	167.6	166.5
65°	162.8	163.6	164.7	165.5	166.3	162.3	158.4	154.4	150.5	149.7	148.7
67.5°	147.1	146.8	146.6	146.0	145.8	143.4	140.8	138.4	135.8	134.7	133.7
70°	131.8	131.6	131.3	130.8	130.5	128.4	126.3	124.2	122.1	121.3	120.6
72.5°	117.4	117.1	116.6	116.4	115.8	114.0	112.4	110.6	108.7	107.7	106.6
75°	101.6	101.1	100.6	100.1	99.5	98.0	96.4	94.6	93.0	91.9	90.9
77.5°	86.9	86.1	85.4	84.3	83.5	82.2	80.6	79.3	77.7	76.4	75.4
80°	70.1	69.6	69.1	68.3	67.8	66.4	65.1	63.6	62.2	60.7	59.4
82.5°	52.5	52.3	51.7	51.5	51.0	49.6	48.3	47.0	45.7	44.1	42.5
85°	33.9	33.6	33.4	33.1	32.8	31.8	31.0	29.9	28.9	27.3	26.0
87.5°	12.1	11.6	11.3	10.8	10.2	10.0	9.5	9.2	8.7	7.9	7.1
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: P367250
 CATALOG NUMBER: MSA-SA2A-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: P367250

CATALOG NUMBER: MSA-SA2A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7
2.5°	595.7	605.7	605.9	605.9	610.6	615.1	605.9	596.7	587.3	578.1	568.9
5°	634.8	638.7	637.7	636.4	630.6	624.8	618.8	612.7	606.7	600.7	600.9
7.5°	543.9	553.6	561.5	569.1	561.8	554.4	550.5	546.6	542.6	538.7	538.2
10°	433.4	436.0	439.1	442.0	437.6	432.8	440.7	448.6	456.2	464.1	455.4
12.5°	402.6	405.0	399.5	393.7	391.9	390.0	388.2	386.1	384.2	382.1	381.1
15°	347.5	343.3	339.1	334.6	333.6	332.2	330.9	329.4	328.0	326.5	321.7
17.5°	300.5	296.3	289.2	281.8	278.9	275.8	275.0	274.2	273.1	272.4	267.9
20°	259.2	256.3	254.5	252.4	249.5	246.6	243.7	240.8	237.7	234.8	230.6
22.5°	248.5	245.3	242.9	240.3	239.8	239.3	234.0	228.5	223.2	217.7	215.4
25°	304.4	305.2	290.7	276.0	274.7	273.4	264.0	254.2	244.8	235.1	226.9
27.5°	328.8	329.6	329.1	328.6	324.4	319.9	303.9	287.6	271.6	255.3	243.7
30°	294.9	305.2	309.1	313.1	310.2	307.0	290.2	273.7	256.9	240.1	232.4
32.5°	213.8	217.5	224.0	230.3	233.8	236.9	231.6	226.4	221.1	215.9	214.6
35°	199.3	202.2	203.5	204.9	202.8	200.7	196.7	192.8	188.6	184.6	183.8
37.5°	203.3	205.6	208.3	210.9	205.1	199.1	194.6	190.4	186.0	181.5	177.8
40°	207.0	210.1	211.7	213.3	207.5	201.7	196.2	190.9	185.4	179.9	176.2
42.5°	207.5	209.3	212.2	215.1	207.0	198.6	193.6	188.3	183.3	178.1	174.4
45°	205.1	206.2	208.8	211.4	202.0	192.3	187.8	183.1	178.6	173.9	170.7
47.5°	201.7	202.2	204.3	206.2	196.2	186.0	181.7	177.5	173.1	168.9	165.7
50°	197.0	196.7	198.3	199.6	189.4	179.1	174.9	171.0	166.8	162.6	159.9
52.5°	190.9	190.4	192.0	193.3	182.5	171.8	168.1	164.7	161.0	157.3	155.2
55°	184.1	183.3	184.6	186.0	175.4	164.7	161.5	158.1	155.0	151.5	149.7
57.5°	181.5	179.6	180.4	181.2	169.4	157.6	154.4	151.3	148.1	145.0	143.7
60°	177.3	175.4	176.2	176.8	164.2	151.3	148.4	145.2	142.4	139.2	137.9
62.5°	165.2	163.9	164.9	166.0	154.7	143.1	140.5	138.1	135.5	132.9	131.1
65°	147.9	146.8	148.9	151.0	141.3	131.6	130.0	128.4	126.6	125.0	123.2
67.5°	132.6	131.6	133.7	135.8	128.7	121.6	120.0	118.5	116.9	115.3	114.2
70°	119.8	119.0	120.8	122.7	116.6	110.6	109.0	107.7	106.1	104.5	103.7
72.5°	105.3	104.3	106.6	108.7	103.7	98.5	97.2	95.6	94.3	92.7	92.2
75°	89.8	88.8	90.9	92.7	89.3	85.6	84.3	83.0	81.7	80.4	80.1
77.5°	74.1	72.8	74.9	76.7	74.6	72.2	71.2	69.9	68.8	67.5	67.5
80°	57.8	56.2	57.8	59.1	58.3	57.5	56.7	55.7	54.9	53.8	54.1
82.5°	41.0	39.4	40.2	41.0	41.5	42.0	42.0	42.0	42.0	42.0	42.0
85°	24.4	22.8	23.1	23.4	24.2	25.0	25.2	25.5	25.7	26.0	26.3
87.5°	6.3	5.5	5.0	4.2	5.0	5.5	6.0	6.3	6.8	7.1	7.1
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: P367250
 CATALOG NUMBER: MSA-SA2A-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: P367250
 CATALOG NUMBER: MSA-SA2A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7
2.5°	559.7	550.2	541.0	546.8	552.3	558.1	563.6	563.9	563.9	564.2	564.2
5°	601.4	601.7	602.0	596.5	591.2	585.7	580.2	577.3	574.4	571.2	568.4
7.5°	537.4	536.8	536.1	530.8	525.5	520.3	515.0	502.4	489.6	477.0	464.1
10°	446.5	437.8	428.9	426.8	425.0	422.9	420.8	417.3	414.2	410.8	407.4
12.5°	380.0	379.0	377.9	372.4	366.9	361.1	355.6	355.6	355.6	355.6	355.6
15°	316.7	312.0	307.0	304.4	301.5	298.9	296.0	294.7	293.4	292.1	290.7
17.5°	263.2	258.7	254.0	253.4	252.9	252.4	251.9	250.6	249.2	247.9	246.6
20°	226.4	222.2	218.0	219.6	221.1	222.5	224.0	222.7	221.4	219.8	218.5
22.5°	212.7	210.4	207.7	206.4	205.1	203.5	202.2	202.2	202.5	202.5	202.5
25°	219.0	210.9	202.8	198.8	194.9	190.7	186.7	185.2	183.8	182.3	180.7
27.5°	232.2	220.4	208.8	202.0	195.1	188.3	181.5	178.6	175.4	172.6	169.4
30°	224.6	216.9	209.1	201.2	193.3	185.4	177.5	173.9	170.2	166.3	162.6
32.5°	213.3	211.7	210.4	203.0	195.7	188.1	180.7	179.1	177.8	176.2	174.7
35°	182.8	182.0	181.0	179.1	177.3	175.4	173.6	171.5	169.4	167.3	165.2
37.5°	174.4	170.7	167.0	166.3	165.5	164.7	163.9	163.1	162.3	161.3	160.5
40°	172.6	168.9	165.2	163.9	162.6	161.0	159.7	159.9	160.5	160.7	161.0
42.5°	170.5	166.8	162.8	161.8	160.7	159.7	158.6	158.9	159.4	159.7	159.9
45°	167.8	164.7	161.5	159.7	158.1	156.3	154.4	156.0	157.6	158.9	160.5
47.5°	162.6	159.2	156.0	155.0	153.9	152.6	151.5	153.1	154.7	156.0	157.6
50°	157.1	154.4	151.5	151.3	151.0	150.5	150.2	151.3	152.3	153.4	154.4
52.5°	152.9	150.8	148.4	148.4	148.1	148.1	147.9	148.9	150.0	150.8	151.8
55°	148.1	146.3	144.5	144.7	145.2	145.5	145.8	146.8	148.1	149.2	150.2
57.5°	142.1	140.8	139.2	140.3	141.0	142.1	142.9	143.7	144.7	145.5	146.3
60°	136.3	135.0	133.4	134.5	135.8	136.8	137.9	138.7	139.5	140.3	141.0
62.5°	129.2	127.1	125.3	126.9	128.2	129.7	131.1	131.6	132.4	132.9	133.4
65°	121.6	119.8	117.9	119.0	120.0	120.8	121.9	122.7	123.4	124.2	125.0
67.5°	112.9	111.9	110.6	111.4	112.1	112.9	113.7	114.0	114.0	114.2	114.2
70°	102.7	101.9	100.9	101.4	102.2	102.7	103.2	103.2	103.2	103.0	103.0
72.5°	91.9	91.4	90.9	91.1	91.7	91.9	92.2	91.9	91.7	91.4	91.1
75°	79.8	79.6	79.3	79.6	80.1	80.4	80.6	80.4	79.8	79.6	79.1
77.5°	67.8	67.8	67.8	67.8	68.0	68.0	68.0	67.5	67.0	66.4	65.9
80°	54.4	54.6	54.9	54.9	54.9	54.9	54.9	54.4	53.8	53.1	52.5
82.5°	42.0	42.0	42.0	42.0	42.3	42.3	42.3	41.0	39.9	38.6	37.3
85°	26.3	26.5	26.5	26.8	27.1	27.1	27.3	25.5	23.9	22.1	20.2
87.5°	7.1	7.1	7.1	7.1	7.1	6.8	6.8	5.3	3.4	1.8	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367250
 CATALOG NUMBER: MSA-SA2A-830-U-SLR

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: P367250

CATALOG NUMBER: MSA-SA2A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7
2.5°	565.7	567.3	568.6	570.2	570.5	570.7	570.7	571.0	565.5	560.0	554.2
5°	572.3	576.0	579.9	583.6	582.8	582.0	581.2	580.4	578.9	577.5	576.0
7.5°	461.2	458.6	455.7	452.8	455.2	457.5	459.9	462.2	463.3	464.3	465.1
10°	400.8	394.2	387.7	381.1	377.4	373.5	369.8	365.9	365.3	365.1	364.5
12.5°	348.8	341.7	334.9	327.8	325.7	323.3	321.2	318.8	320.9	323.0	324.9
15°	287.9	285.2	282.3	279.5	281.8	284.2	286.5	288.9	291.0	292.8	294.9
17.5°	245.3	244.3	242.9	241.6	243.7	246.1	248.2	250.3	255.0	259.8	264.5
20°	217.5	216.7	215.6	214.6	213.8	212.7	212.0	210.9	217.7	224.3	231.1
22.5°	200.9	199.3	197.8	196.2	196.5	196.7	196.7	197.0	202.5	208.3	213.8
25°	180.2	179.6	179.1	178.6	180.2	181.7	183.1	184.6	189.6	194.6	199.3
27.5°	169.7	169.9	170.2	170.5	172.6	174.9	177.0	179.1	182.5	186.0	189.4
30°	163.9	165.5	166.8	168.1	168.9	169.7	170.5	171.2	174.7	177.8	181.2
32.5°	172.6	170.5	168.1	166.0	167.0	168.4	169.4	170.5	173.6	176.8	179.9
35°	164.4	163.4	162.6	161.5	162.8	164.2	165.2	166.5	169.4	172.0	174.9
37.5°	160.2	159.9	159.7	159.4	160.2	161.0	161.5	162.3	164.9	167.6	169.9
40°	159.9	158.6	157.6	156.3	157.1	157.8	158.4	159.2	162.3	165.5	168.6
42.5°	158.4	156.8	155.0	153.4	154.2	155.2	156.0	156.8	160.2	163.4	166.8
45°	158.1	155.7	153.1	150.8	151.8	152.9	153.9	155.0	157.6	160.2	162.6
47.5°	155.2	152.9	150.5	148.1	148.7	149.2	149.4	150.0	152.3	154.4	156.8
50°	152.9	151.0	149.4	147.6	146.8	146.3	145.5	144.7	146.6	148.4	150.2
52.5°	150.0	148.1	146.0	144.2	143.1	142.1	141.0	140.0	141.6	142.9	144.5
55°	148.1	145.8	143.7	141.3	140.0	138.7	137.4	136.0	137.1	137.9	138.9
57.5°	144.2	142.1	139.7	137.6	136.0	134.5	132.6	131.1	131.6	132.1	132.6
60°	138.9	136.6	134.5	132.1	130.3	128.4	126.3	124.5	124.8	125.3	125.5
62.5°	131.3	129.2	126.9	124.8	122.7	120.8	118.7	116.6	117.1	117.4	117.9
65°	122.9	120.6	118.5	116.1	114.2	112.4	110.3	108.5	109.0	109.5	109.8
67.5°	112.7	110.8	109.3	107.4	105.8	104.0	102.4	100.6	100.9	101.1	101.4
70°	101.6	100.1	98.8	97.2	95.9	94.6	93.2	91.9	91.9	92.2	92.2
72.5°	89.8	88.5	87.2	85.9	84.6	83.5	82.2	80.9	81.4	81.9	82.2
75°	77.7	76.7	75.4	74.1	73.0	72.0	70.7	69.6	70.1	70.7	70.9
77.5°	65.1	64.3	63.3	62.5	61.5	60.4	59.1	58.0	58.6	59.1	59.4
80°	52.0	51.5	50.7	50.2	49.1	48.1	47.0	46.0	46.2	46.2	46.5
82.5°	37.6	37.8	37.8	38.1	37.3	36.2	35.5	34.4	34.4	34.4	34.1
85°	21.0	22.1	22.8	23.6	22.8	22.1	21.3	20.5	20.2	20.2	20.0
87.5°	0.8	1.3	2.1	2.6	2.4	2.1	1.6	1.3	1.6	1.8	1.8
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: P367250
 CATALOG NUMBER: MSA-SA2A-830-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: P367250

CATALOG NUMBER: MSA-SA2A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7
2.5°	548.7	553.1	557.6	562.1	566.5	573.3	580.2	587.3	594.4	590.4	586.2
5°	574.4	577.0	579.9	582.5	585.2	592.8	600.1	609.3	618.3	617.2	615.9
7.5°	466.2	469.9	473.5	477.0	480.6	492.2	503.7	513.5	523.2	521.9	520.3
10°	364.0	371.6	379.5	387.1	394.7	404.2	413.4	421.5	429.7	443.3	456.7
12.5°	327.0	338.8	350.6	362.4	374.3	381.1	387.7	398.2	408.7	416.0	423.6
15°	296.8	307.8	318.8	329.9	340.9	341.4	342.0	353.0	364.0	370.3	376.4
17.5°	269.2	275.2	281.3	287.1	293.1	291.0	288.9	294.2	299.1	301.8	304.7
20°	237.7	241.9	246.1	250.3	254.5	257.4	260.0	263.2	266.1	263.4	260.5
22.5°	219.3	225.6	232.2	238.5	244.8	246.6	248.2	246.4	244.5	243.7	242.9
25°	204.3	212.0	219.8	227.4	235.1	238.7	242.4	244.0	245.3	242.4	239.5
27.5°	192.8	202.0	210.9	220.1	229.0	235.6	242.2	244.0	245.6	243.5	241.1
30°	184.4	194.4	204.3	214.3	224.3	234.3	244.0	252.7	261.1	260.3	259.5
32.5°	183.1	189.9	196.7	203.5	210.4	216.7	222.7	223.2	223.5	221.4	219.0
35°	177.5	182.0	186.5	190.9	195.4	199.3	203.0	202.5	202.0	199.9	197.8
37.5°	172.6	177.0	181.7	186.2	190.7	197.5	204.1	202.8	201.2	199.1	197.0
40°	171.8	176.8	181.7	186.5	191.5	197.8	204.1	202.8	201.4	198.8	196.2
42.5°	169.9	174.9	179.6	184.6	189.4	197.0	204.3	202.0	199.3	197.2	195.1
45°	165.2	169.7	174.1	178.6	183.1	191.2	199.3	196.5	193.6	192.8	191.7
47.5°	158.9	163.4	167.8	172.3	176.8	184.9	192.8	190.4	187.8	187.5	187.0
50°	152.1	156.3	160.7	164.9	169.1	177.3	185.2	183.1	181.0	181.2	181.2
52.5°	145.8	149.7	153.4	157.3	161.0	169.1	177.0	175.4	173.6	174.1	174.4
55°	139.7	142.9	146.0	149.2	152.3	160.2	168.1	165.7	163.4	164.2	164.9
57.5°	133.2	135.8	138.4	140.8	143.4	151.3	158.9	156.3	153.4	154.7	155.7
60°	125.8	128.2	130.5	132.6	135.0	142.1	148.9	146.6	143.9	145.8	147.3
62.5°	118.2	120.0	121.9	123.7	125.5	132.1	138.7	136.8	135.0	137.1	138.9
65°	110.3	111.6	113.2	114.5	115.8	122.1	128.2	126.9	125.5	127.4	129.2
67.5°	101.6	102.7	104.0	105.1	106.1	111.9	117.7	116.4	114.8	116.4	117.7
70°	92.2	93.2	94.0	95.1	95.9	101.1	106.4	104.5	102.4	104.0	105.3
72.5°	82.7	83.3	84.0	84.6	85.1	89.0	93.0	91.4	89.8	91.4	92.7
75°	71.4	72.0	72.5	73.0	73.5	77.0	80.1	78.3	76.2	77.7	79.3
77.5°	59.9	60.1	60.7	60.9	61.2	63.6	65.7	63.8	61.7	63.6	65.4
80°	46.5	46.8	47.0	47.0	47.3	48.1	48.9	47.5	46.0	48.3	50.7
82.5°	34.1	33.9	33.9	33.6	33.4	33.4	33.1	32.3	31.3	33.4	35.5
85°	19.7	19.4	18.9	18.6	18.1	17.3	16.5	16.3	16.0	17.9	19.7
87.5°	2.1	1.8	1.3	1.1	0.5	0.3	0.0	0.0	0.0	1.1	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367250
 CATALOG NUMBER: MSA-SA2A-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: P367250
 CATALOG NUMBER: MSA-SA2A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7
2.5°	582.3	578.1	574.1	570.2	566.3	562.3	569.7	577.0	584.4	591.7	598.3
5°	614.8	613.5	610.1	607.0	603.5	600.1	602.0	604.1	605.9	607.8	611.7
7.5°	519.0	517.4	524.8	531.8	539.2	546.3	548.1	549.7	551.5	553.1	552.1
10°	470.4	483.8	487.2	490.4	493.8	496.9	502.2	507.4	512.4	517.7	520.6
12.5°	431.0	438.3	450.4	462.8	474.9	486.9	494.8	502.7	510.6	518.5	534.7
15°	382.7	388.7	397.9	407.1	416.3	425.5	436.8	448.3	459.6	470.9	488.8
17.5°	307.3	309.9	316.7	323.6	330.1	337.0	352.2	367.2	382.4	397.4	417.9
20°	257.9	255.0	255.0	255.3	255.3	255.3	270.5	285.5	300.7	315.7	342.7
22.5°	241.9	241.1	238.2	235.1	232.2	229.0	236.9	245.0	252.9	260.8	282.9
25°	236.4	233.5	229.8	226.1	222.5	218.8	223.8	228.8	233.8	238.7	256.1
27.5°	239.0	236.6	238.5	240.1	241.9	243.5	245.0	246.6	248.2	249.8	255.8
30°	258.7	257.9	260.8	263.4	266.3	268.9	265.3	261.9	258.2	254.5	256.6
32.5°	216.9	214.6	213.5	212.5	211.4	210.4	210.1	209.9	209.3	209.1	213.8
35°	195.7	193.6	192.0	190.4	188.6	187.0	187.8	188.3	189.1	189.6	194.9
37.5°	194.9	192.8	190.9	189.1	187.0	185.2	186.0	187.0	187.8	188.6	192.5
40°	193.6	190.9	189.9	188.8	187.8	186.7	187.3	187.8	188.1	188.6	191.5
42.5°	192.8	190.7	190.2	189.6	189.1	188.6	189.1	189.6	189.9	190.4	193.8
45°	190.9	189.9	190.4	190.9	191.5	192.0	192.0	192.0	192.0	192.0	195.7
47.5°	186.7	186.2	187.8	189.4	190.9	192.5	195.1	197.8	200.1	202.8	203.5
50°	181.5	181.5	184.1	186.7	189.1	191.7	198.0	204.1	210.4	216.4	212.5
52.5°	174.9	175.2	179.1	182.8	186.7	190.4	196.2	202.0	207.5	213.3	207.5
55°	165.5	166.3	171.2	176.0	181.0	185.7	190.2	194.6	199.1	203.5	197.5
57.5°	157.1	158.1	163.4	168.4	173.6	178.6	181.2	184.1	186.7	189.4	185.4
60°	149.2	150.8	157.6	164.4	171.0	177.8	175.7	173.6	171.2	169.1	168.9
62.5°	141.0	142.9	149.2	155.5	161.5	167.8	164.7	161.5	158.1	155.0	156.3
65°	130.8	132.6	135.5	138.4	141.0	143.9	143.7	143.7	143.4	143.1	145.8
67.5°	119.2	120.6	122.4	124.0	125.8	127.4	128.4	129.7	130.8	131.8	135.0
70°	106.9	108.2	110.0	111.6	113.5	115.0	116.4	117.7	118.7	120.0	123.2
72.5°	94.3	95.6	97.4	99.3	100.9	102.7	103.7	104.8	105.6	106.6	109.3
75°	80.9	82.5	84.3	85.9	87.7	89.3	90.1	90.9	91.7	92.4	94.8
77.5°	67.2	69.1	70.9	72.8	74.6	76.4	76.7	77.0	77.2	77.5	79.6
80°	52.8	55.2	57.0	58.8	60.7	62.5	62.5	62.5	62.5	62.5	63.6
82.5°	37.6	39.7	41.8	43.6	45.7	47.5	47.5	47.3	47.3	47.0	47.0
85°	21.5	23.4	24.7	26.3	27.6	28.9	28.9	28.9	28.6	28.6	28.1
87.5°	3.4	4.5	5.0	5.8	6.3	6.8	6.6	6.6	6.3	6.0	5.3
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: P367250
 CATALOG NUMBER: MSA-SA2A-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: P367250
 CATALOG NUMBER: MSA-SA2A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7
2.5°	604.9	611.4	618.0	616.9	615.9	614.8	613.8	617.7	621.4	625.3	629.0
5°	615.4	619.3	623.0	625.9	628.8	631.7	634.5	647.9	661.1	674.5	687.6
7.5°	551.0	549.7	548.7	561.0	573.6	586.0	598.3	615.4	632.4	649.5	666.6
10°	523.4	526.3	529.2	534.2	539.5	544.5	549.4	566.3	583.1	599.9	616.7
12.5°	550.8	567.0	583.1	587.0	591.2	595.1	599.1	602.5	605.9	609.1	612.5
15°	506.6	524.5	542.4	552.6	562.8	572.8	583.1	608.8	634.3	660.0	685.5
17.5°	438.1	458.6	478.8	504.0	529.2	554.4	579.6	603.3	626.9	650.3	673.9
20°	369.8	396.6	423.6	451.2	478.5	506.1	533.4	556.5	579.6	602.5	625.6
22.5°	304.7	326.7	348.5	382.1	415.5	449.1	482.5	525.5	568.4	611.4	654.2
25°	273.1	290.5	307.6	342.2	376.9	411.3	446.0	501.9	557.6	613.5	669.2
27.5°	262.1	268.2	274.2	305.7	337.0	368.5	399.7	460.1	520.6	580.7	641.1
30°	258.7	260.8	262.9	287.6	312.3	337.0	361.7	421.3	481.2	540.8	600.4
32.5°	218.3	223.0	227.4	251.6	275.5	299.7	323.6	383.7	443.6	503.7	563.6
35°	200.1	205.4	210.6	234.3	257.9	281.3	304.9	368.2	431.8	495.1	558.4
37.5°	196.5	200.4	204.3	231.1	257.9	284.7	311.5	375.6	439.7	503.7	567.8
40°	194.6	197.5	200.4	226.4	252.7	278.7	304.7	371.9	438.9	506.1	573.1
42.5°	197.0	200.4	203.5	227.2	250.6	274.2	297.6	367.2	436.5	506.1	575.4
45°	199.1	202.8	206.2	228.2	250.3	272.4	294.4	368.7	442.8	517.1	591.2
47.5°	204.1	204.9	205.4	224.6	243.5	262.6	281.6	357.2	432.8	508.2	583.9
50°	208.3	204.3	200.1	220.1	239.8	259.8	279.5	351.2	422.9	494.3	566.0
52.5°	201.7	195.7	189.9	211.4	233.0	254.2	275.8	347.5	419.4	491.1	562.8
55°	191.7	185.7	179.6	201.4	223.2	245.0	266.8	338.3	410.0	481.4	552.9
57.5°	181.7	177.8	173.9	191.7	209.9	227.7	245.6	323.0	400.3	477.7	555.0
60°	168.6	168.1	167.8	181.7	195.9	209.9	223.8	299.7	375.3	451.2	526.9
62.5°	157.3	158.6	159.7	171.0	182.3	193.3	204.6	277.9	351.4	424.7	498.0
65°	148.7	151.3	153.9	166.8	179.6	192.3	205.1	266.6	328.0	389.5	451.0
67.5°	138.1	141.3	144.5	161.3	178.1	194.9	211.7	262.4	313.1	363.8	414.4
70°	126.1	129.2	132.1	153.6	174.9	196.5	217.7	262.6	307.8	352.7	397.6
72.5°	111.9	114.5	117.1	140.3	163.4	186.5	209.6	247.7	285.8	323.6	361.7
75°	97.4	99.8	102.2	122.1	142.1	162.0	182.0	211.4	240.6	270.0	299.1
77.5°	81.4	83.5	85.4	98.8	112.1	125.5	138.9	161.5	183.8	206.4	228.8
80°	64.6	65.7	66.7	74.6	82.2	90.1	97.7	112.7	127.6	142.4	157.3
82.5°	47.3	47.3	47.3	52.3	57.5	62.5	67.5	75.1	82.5	90.1	97.4
85°	27.6	26.8	26.3	29.7	33.1	36.5	39.9	43.1	46.2	49.4	52.5
87.5°	4.5	3.4	2.6	4.7	6.8	8.9	11.0	12.1	13.4	14.4	15.5
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: P367250
 CATALOG NUMBER: MSA-SA2A-830-U-SLR

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: P367250

CATALOG NUMBER: MSA-SA2A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7
2.5°	620.1	611.4	602.5	593.6	606.7	619.8	633.0	646.1	681.0	701.8	703.1
5°	698.6	709.7	720.7	731.7	742.7	753.8	764.5	775.6	832.3	867.2	873.8
7.5°	684.7	703.1	721.2	739.3	770.6	801.8	833.1	864.4	912.4	947.1	969.9
10°	639.3	661.9	684.4	707.0	744.1	781.4	818.4	855.4	906.4	952.1	973.9
12.5°	648.5	684.4	720.2	756.1	788.2	820.5	852.5	884.6	919.8	937.1	976.8
15°	710.4	735.4	760.3	785.3	833.6	881.7	930.0	978.1	998.0	1037.7	1073.4
17.5°	719.9	765.6	811.6	857.3	916.4	975.4	1034.5	1093.6	1130.7	1181.9	1225.0
20°	690.5	755.1	820.0	884.6	960.7	1037.2	1113.3	1189.5	1236.5	1279.6	1346.3
22.5°	725.7	797.1	868.3	939.7	1040.8	1141.7	1242.8	1343.7	1441.9	1538.0	1583.2
25°	764.5	860.2	955.5	1050.8	1177.2	1303.2	1429.6	1555.6	1682.0	1772.0	1824.0
27.5°	737.2	833.1	929.2	1025.1	1181.4	1337.9	1494.2	1650.4	1785.7	1894.2	1938.8
30°	718.1	835.7	953.4	1071.1	1254.4	1437.7	1621.0	1804.3	1929.4	2050.4	2116.1
32.5°	714.6	865.7	1016.4	1167.4	1381.0	1594.2	1807.8	2021.0	2104.0	2211.4	2299.9
35°	724.1	890.1	1055.8	1221.5	1466.3	1711.1	1955.6	2200.4	2318.3	2424.7	2502.2
37.5°	753.0	938.2	1123.1	1308.2	1603.2	1898.4	2193.3	2488.3	2686.0	2880.6	2915.3
40°	769.3	965.7	1161.9	1358.1	1701.1	2044.1	2387.1	2730.2	2957.6	3171.1	3185.6
42.5°	788.4	1001.5	1214.2	1427.2	1807.5	2188.1	2568.4	2948.7	3230.2	3459.8	3466.6
45°	810.5	1029.6	1248.9	1467.9	1865.0	2261.9	2659.0	3055.8	3396.2	3675.1	3607.1
47.5°	819.2	1054.8	1290.1	1525.4	1948.8	2371.9	2795.3	3218.4	3523.9	3777.6	3712.4
50°	822.6	1079.5	1336.1	1592.7	2031.3	2470.1	2908.8	3347.4	3658.1	3905.5	3805.7
52.5°	843.9	1124.9	1405.9	1686.9	2143.9	2600.9	3057.9	3514.9	3820.6	4058.3	3934.4
55°	872.5	1192.1	1511.5	1831.1	2304.2	2776.9	3249.9	3722.7	4029.4	4250.6	4096.9
57.5°	899.0	1243.3	1587.4	1931.5	2421.6	2911.9	3402.0	3892.1	4202.8	4421.6	4272.6
60°	886.2	1245.4	1604.7	1964.0	2445.7	2927.1	3408.8	3890.2	4243.0	4505.3	4429.2
62.5°	847.3	1196.6	1545.6	1895.0	2352.2	2809.2	3266.5	3723.5	4136.3	4472.8	4469.4
65°	772.4	1093.9	1415.1	1736.6	2159.7	2583.1	3006.2	3429.3	3916.0	4324.7	4351.2
67.5°	681.3	948.1	1215.0	1481.8	1880.2	2278.7	2677.1	3075.5	3595.8	4046.8	4069.6
70°	593.0	788.7	984.1	1179.5	1529.4	1879.2	2228.8	2578.6	3104.2	3560.4	3581.4
72.5°	489.6	617.5	745.1	873.0	1156.4	1439.8	1722.9	2006.3	2467.8	2818.7	2937.1
75°	375.1	451.0	526.9	602.8	832.0	1061.3	1290.4	1519.6	1826.4	2085.4	2218.8
77.5°	268.2	307.6	346.9	386.3	581.2	776.1	970.7	1165.6	1326.9	1473.7	1563.8
80°	176.0	194.4	213.0	231.4	393.4	555.5	717.3	879.3	977.6	1056.3	1101.8
82.5°	106.6	115.8	124.8	133.9	265.3	396.6	527.6	659.0	715.2	752.7	793.2
85°	57.5	62.5	67.5	72.5	156.8	240.8	325.1	409.2	414.7	419.2	479.3
87.5°	16.8	18.4	19.7	21.0	34.7	48.6	62.2	75.9	47.3	29.4	60.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367250
 CATALOG NUMBER: MSA-SA2A-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: P367250

CATALOG NUMBER: MSA-SA2A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7
2.5°	695.5	692.1	688.6	685.0	681.6	667.1	652.9	638.5	624.0	638.0	651.6
5°	866.2	876.7	886.9	897.4	908.0	908.7	909.3	910.1	910.6	913.2	915.8
7.5°	989.1	1007.8	1026.1	1044.8	1063.4	1077.9	1092.3	1107.0	1121.5	1108.3	1095.2
10°	999.6	1039.0	1078.4	1117.8	1157.2	1164.3	1171.1	1178.2	1185.3	1194.8	1203.9
12.5°	1010.1	1058.2	1106.0	1154.0	1202.1	1223.1	1243.9	1264.9	1285.6	1295.9	1305.9
15°	1121.2	1149.6	1177.7	1206.0	1234.2	1248.6	1262.8	1277.2	1291.7	1300.3	1308.7
17.5°	1264.1	1274.6	1284.8	1295.3	1305.9	1315.6	1325.3	1335.0	1344.7	1346.3	1347.9
20°	1394.4	1396.5	1398.3	1400.4	1402.2	1381.8	1361.5	1341.0	1320.6	1324.2	1327.7
22.5°	1589.8	1578.2	1566.9	1555.4	1544.1	1505.5	1467.1	1428.5	1390.2	1373.6	1357.3
25°	1883.9	1854.5	1825.1	1795.7	1766.3	1704.8	1643.6	1582.2	1521.0	1485.0	1449.3
27.5°	1978.7	1914.7	1850.8	1786.7	1722.7	1676.2	1630.0	1583.5	1537.2	1480.2	1423.3
30°	2170.5	2069.4	1968.5	1867.4	1766.3	1721.4	1676.4	1631.3	1586.4	1528.0	1470.0
32.5°	2340.4	2235.3	2130.3	2025.0	1919.9	1834.8	1749.7	1664.6	1579.5	1540.1	1500.7
35°	2537.1	2405.0	2272.9	2140.8	2008.7	1935.7	1862.9	1789.9	1717.1	1657.5	1598.2
37.5°	2823.7	2683.1	2542.6	2401.9	2261.3	2162.6	2064.1	1965.3	1866.9	1834.0	1801.5
40°	3096.8	2930.8	2765.1	2599.1	2433.4	2357.7	2282.1	2206.2	2130.5	2075.1	2019.7
42.5°	3325.6	3161.4	2997.5	2833.4	2669.5	2614.3	2559.4	2504.3	2449.4	2403.7	2358.0
45°	3404.1	3270.1	3136.5	3002.5	2868.6	2849.1	2830.0	2810.5	2791.4	2757.5	2723.6
47.5°	3530.4	3393.9	3257.5	3121.0	2984.4	2991.5	2998.6	3005.9	3013.0	3014.9	3016.4
50°	3604.8	3475.0	3345.5	3215.8	3086.3	3120.7	3154.8	3189.3	3223.7	3301.7	3379.4
52.5°	3713.2	3585.8	3458.7	3331.3	3204.0	3262.3	3320.3	3378.6	3436.7	3545.9	3655.2
55°	3849.3	3727.4	3605.8	3483.9	3362.3	3419.1	3475.5	3532.3	3588.7	3710.3	3831.9
57.5°	4029.7	3899.2	3768.9	3638.4	3508.1	3560.4	3612.4	3664.6	3716.6	3832.2	3947.8
60°	4235.1	4093.3	3951.4	3809.3	3667.5	3682.0	3696.2	3710.6	3724.8	3850.1	3975.1
62.5°	4335.9	4204.6	4073.6	3942.2	3810.9	3770.7	3730.6	3690.1	3649.9	3762.1	3874.0
65°	4248.5	4158.1	4068.1	3977.7	3887.4	3816.4	3745.8	3674.9	3604.0	3674.1	3744.0
67.5°	3970.1	3918.9	3867.9	3816.7	3765.5	3646.5	3527.5	3408.3	3289.3	3294.0	3298.5
70°	3518.9	3505.2	3491.8	3478.2	3464.5	3285.6	3107.0	2928.2	2749.3	2722.0	2694.7
72.5°	2947.1	2956.0	2964.7	2973.6	2982.6	2790.3	2598.0	2405.8	2213.5	2168.1	2122.7
75°	2282.6	2332.0	2381.4	2431.0	2480.4	2296.5	2112.7	1928.6	1744.7	1688.8	1632.8
77.5°	1612.9	1705.1	1797.0	1889.2	1981.4	1815.1	1649.1	1482.9	1316.6	1280.4	1244.1
80°	1124.6	1169.8	1215.0	1260.2	1305.3	1221.8	1138.3	1054.8	971.2	981.2	990.9
82.5°	819.2	829.7	839.9	850.4	860.9	826.8	792.7	758.2	724.1	750.1	776.1
85°	524.8	562.3	599.6	637.2	674.5	636.6	598.8	560.7	522.9	540.3	557.6
87.5°	117.4	185.7	254.0	322.5	390.8	354.0	317.5	280.8	244.0	227.4	211.2
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: P367250
 CATALOG NUMBER: MSA-SA2A-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: P367250

CATALOG NUMBER: MSA-SA2A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7
2.5°	665.5	679.5	675.3	671.3	667.1	662.9	670.5	678.1	686.0	693.6	691.0
5°	918.7	921.3	896.4	871.7	846.8	821.8	837.3	852.8	868.3	883.8	878.3
7.5°	1082.1	1068.9	1054.5	1040.1	1025.4	1010.9	1007.8	1004.6	1001.2	998.0	993.8
10°	1213.4	1222.6	1213.1	1203.9	1194.5	1185.0	1163.0	1140.9	1118.6	1096.5	1087.3
12.5°	1316.1	1326.3	1328.7	1330.8	1333.2	1335.5	1310.8	1286.4	1261.7	1237.0	1214.7
15°	1317.4	1326.1	1333.7	1341.0	1348.7	1356.0	1340.8	1325.8	1310.6	1295.3	1288.3
17.5°	1349.7	1351.3	1345.0	1338.9	1332.6	1326.6	1320.6	1314.8	1308.7	1303.0	1291.7
20°	1331.3	1335.0	1334.2	1333.4	1332.4	1331.6	1332.1	1332.4	1332.9	1333.2	1326.9
22.5°	1340.8	1324.2	1327.7	1330.8	1334.2	1337.4	1346.8	1356.3	1366.0	1375.5	1400.7
25°	1413.3	1377.3	1371.8	1366.5	1361.0	1355.8	1380.4	1404.9	1429.6	1454.2	1495.2
27.5°	1366.0	1309.0	1296.4	1283.8	1271.2	1258.6	1296.1	1333.4	1371.0	1408.5	1450.3
30°	1411.7	1353.7	1325.8	1298.0	1269.9	1242.0	1278.0	1313.7	1349.7	1385.4	1431.7
32.5°	1461.3	1421.9	1403.3	1384.9	1366.3	1347.9	1350.8	1353.7	1356.5	1359.4	1424.6
35°	1538.6	1478.9	1460.5	1442.2	1423.8	1405.4	1436.1	1466.6	1497.3	1527.8	1582.9
37.5°	1768.6	1735.8	1702.7	1669.6	1636.3	1603.2	1621.3	1639.4	1657.5	1675.7	1727.7
40°	1964.3	1908.9	1903.4	1898.1	1892.6	1887.1	1888.7	1890.0	1891.5	1893.1	1937.5
42.5°	2312.0	2266.3	2238.2	2210.1	2182.0	2153.9	2152.1	2150.2	2148.1	2146.3	2179.7
45°	2689.4	2655.6	2634.6	2613.5	2592.3	2571.3	2537.9	2504.5	2470.9	2437.6	2466.7
47.5°	3018.3	3020.1	3058.2	3096.0	3134.1	3172.2	3115.2	3058.2	3001.2	2944.2	2906.7
50°	3457.4	3535.2	3544.3	3553.3	3562.5	3571.7	3475.0	3378.6	3282.0	3185.3	3145.9
52.5°	3764.7	3874.0	3859.8	3845.9	3831.7	3817.5	3761.5	3705.9	3649.9	3594.0	3508.1
55°	3953.8	4075.4	4064.6	4054.1	4043.4	4032.6	3991.9	3951.2	3910.5	3869.8	3775.5
57.5°	4063.3	4178.9	4182.0	4185.2	4188.3	4191.5	4180.7	4170.0	4159.2	4148.4	4025.8
60°	4100.4	4225.6	4226.9	4228.0	4229.3	4230.4	4213.3	4196.2	4178.9	4161.8	4081.7
62.5°	3986.1	4098.0	4103.0	4107.7	4112.7	4117.7	4105.9	4094.1	4082.2	4070.4	4011.1
65°	3814.1	3884.2	3885.5	3886.6	3887.9	3889.2	3859.3	3829.6	3799.6	3769.7	3755.5
67.5°	3303.2	3308.0	3335.8	3363.6	3391.5	3419.3	3421.7	3424.1	3426.7	3429.0	3408.6
70°	2667.4	2640.1	2670.3	2700.5	2730.7	2760.9	2773.8	2786.6	2799.8	2812.6	2822.1
72.5°	2077.0	2031.5	2053.9	2076.2	2098.8	2121.1	2101.9	2082.7	2063.6	2044.4	2105.1
75°	1576.9	1521.0	1518.1	1515.4	1512.6	1509.9	1500.2	1490.5	1480.5	1470.8	1527.5
77.5°	1207.6	1171.4	1173.2	1174.8	1176.6	1178.2	1168.2	1158.5	1148.5	1138.5	1160.3
80°	1000.9	1010.6	1010.9	1011.2	1011.4	1011.7	1002.2	993.0	983.6	974.1	958.4
82.5°	802.4	828.4	828.1	828.1	827.8	827.6	827.1	826.5	825.7	825.2	799.5
85°	574.9	592.3	574.4	556.5	538.7	520.8	533.9	547.1	560.5	573.6	562.8
87.5°	194.6	178.3	157.1	136.0	114.8	93.5	116.4	139.2	162.3	185.2	198.3
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: P367250
 CATALOG NUMBER: MSA-SA2A-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: P367250

CATALOG NUMBER: MSA-SA2A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7	570.7
2.5°	688.6	686.0	683.7	667.1	650.3	633.8	616.9	647.4	678.1	708.6	739.1
5°	873.0	867.5	862.3	860.9	859.6	858.0	856.7	872.2	887.7	903.0	918.5
7.5°	989.6	985.4	981.2	970.2	959.4	948.4	937.4	946.8	956.0	965.5	974.7
10°	1078.4	1069.2	1060.0	1036.1	1012.5	988.6	964.7	957.6	950.5	943.4	936.3
12.5°	1192.4	1169.8	1147.5	1120.4	1093.1	1066.1	1038.7	1035.1	1031.4	1028.0	1024.3
15°	1281.4	1274.3	1267.2	1245.7	1224.2	1202.6	1181.1	1152.2	1123.1	1094.2	1065.3
17.5°	1280.6	1269.3	1258.3	1287.2	1315.8	1344.7	1373.4	1342.6	1311.6	1280.9	1250.2
20°	1320.6	1314.0	1307.7	1361.0	1414.1	1467.4	1520.4	1503.6	1486.5	1469.7	1452.7
22.5°	1425.6	1450.8	1475.8	1521.5	1566.9	1612.6	1658.1	1677.2	1696.4	1715.6	1734.7
25°	1535.9	1576.9	1617.9	1685.9	1753.7	1821.7	1889.7	1903.4	1917.0	1930.7	1944.3
27.5°	1491.8	1533.6	1575.3	1626.8	1678.0	1729.5	1780.7	1840.6	1900.7	1960.6	2020.5
30°	1477.6	1523.8	1569.8	1640.5	1710.8	1781.5	1852.1	1934.6	2017.1	2099.3	2181.8
32.5°	1489.4	1554.6	1619.7	1715.3	1810.6	1906.3	2001.9	2088.5	2175.5	2262.1	2348.8
35°	1637.8	1693.0	1747.9	1854.8	1961.7	2068.6	2175.5	2277.1	2378.7	2480.1	2581.8
37.5°	1779.4	1831.4	1883.4	1992.7	2101.7	2210.9	2320.2	2480.6	2641.4	2801.9	2962.3
40°	1981.6	2026.0	2070.1	2163.6	2257.1	2350.6	2444.1	2637.7	2831.3	3024.8	3218.4
42.5°	2212.8	2246.1	2279.2	2376.1	2473.0	2569.9	2666.9	2877.5	3088.4	3299.0	3509.7
45°	2495.6	2524.8	2553.9	2620.6	2687.3	2754.3	2821.0	3038.2	3255.4	3472.6	3689.8
47.5°	2869.1	2831.5	2794.0	2826.8	2859.6	2892.5	2925.3	3140.1	3355.0	3569.6	3784.4
50°	3106.5	3067.1	3027.7	3030.6	3033.2	3036.1	3039.0	3239.4	3439.8	3639.9	3840.3
52.5°	3422.2	3336.1	3250.2	3249.4	3248.6	3247.6	3246.8	3421.4	3596.3	3771.0	3945.7
55°	3681.2	3586.9	3492.6	3474.2	3455.8	3437.2	3418.8	3591.6	3764.2	3937.0	4109.5
57.5°	3903.1	3780.2	3657.5	3628.7	3599.8	3570.9	3542.0	3728.2	3914.7	4100.9	4287.1
60°	4001.9	3921.8	3841.9	3806.5	3771.0	3735.5	3700.1	3858.7	4017.4	4175.7	4334.4
62.5°	3952.0	3892.6	3833.5	3841.7	3849.8	3857.9	3866.1	3956.7	4047.6	4138.2	4228.8
65°	3741.6	3727.4	3713.5	3779.1	3844.8	3910.5	3976.1	3977.4	3978.8	3980.1	3981.4
67.5°	3388.1	3367.6	3347.1	3483.7	3620.0	3756.6	3893.1	3828.3	3763.4	3698.8	3633.9
70°	2831.3	2840.7	2849.9	3035.9	3221.6	3407.5	3593.5	3499.4	3405.1	3311.1	3216.8
72.5°	2165.7	2226.7	2287.3	2480.1	2672.9	2865.7	3058.5	2951.0	2843.4	2735.9	2628.3
75°	1584.3	1641.0	1697.7	1888.1	2078.5	2269.2	2459.6	2332.0	2204.3	2077.0	1949.3
77.5°	1182.1	1204.2	1226.0	1384.4	1542.5	1700.9	1859.0	1730.8	1602.6	1474.7	1346.6
80°	942.9	927.1	911.6	999.3	1087.1	1174.8	1262.5	1171.6	1080.5	989.6	898.8
82.5°	774.0	748.3	722.8	755.4	787.9	820.8	853.3	780.6	707.8	635.1	562.3
85°	552.1	541.3	530.5	540.0	549.2	558.6	568.1	497.2	426.3	355.6	284.7
87.5°	211.2	224.3	237.4	252.4	267.1	282.1	296.8	232.4	168.1	104.0	39.7
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):

	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°	570.7	570.7
2.5°	751.7	764.3
5°	918.2	917.9
7.5°	970.5	966.0
10°	924.8	913.2
12.5°	990.2	955.8
15°	1031.1	996.7
17.5°	1198.4	1146.4
20°	1390.9	1329.0
22.5°	1640.5	1546.2
25°	1831.7	1718.7
27.5°	1953.5	1886.3
30°	2104.8	2027.9
32.5°	2292.1	2235.1
35°	2529.8	2477.5
37.5°	2946.0	2929.5
40°	3198.7	3178.7
42.5°	3510.5	3511.0
45°	3701.7	3713.5
47.5°	3814.3	3844.0
50°	3904.2	3967.7
52.5°	4032.6	4119.5
55°	4225.1	4340.4
57.5°	4385.3	4483.5
60°	4385.3	4436.0
62.5°	4227.5	4225.9
65°	3957.0	3932.3
67.5°	3602.9	3571.9
70°	3168.5	3119.9
72.5°	2568.1	2507.7
75°	1866.6	1783.6
77.5°	1307.2	1267.5
80°	917.9	937.1
82.5°	589.6	616.9
85°	280.5	276.3
87.5°	33.1	26.5
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-SA2A-830-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)