

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: P367249

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

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367249
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-25)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: MSA-SA2A-830-U-SLR-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4607 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

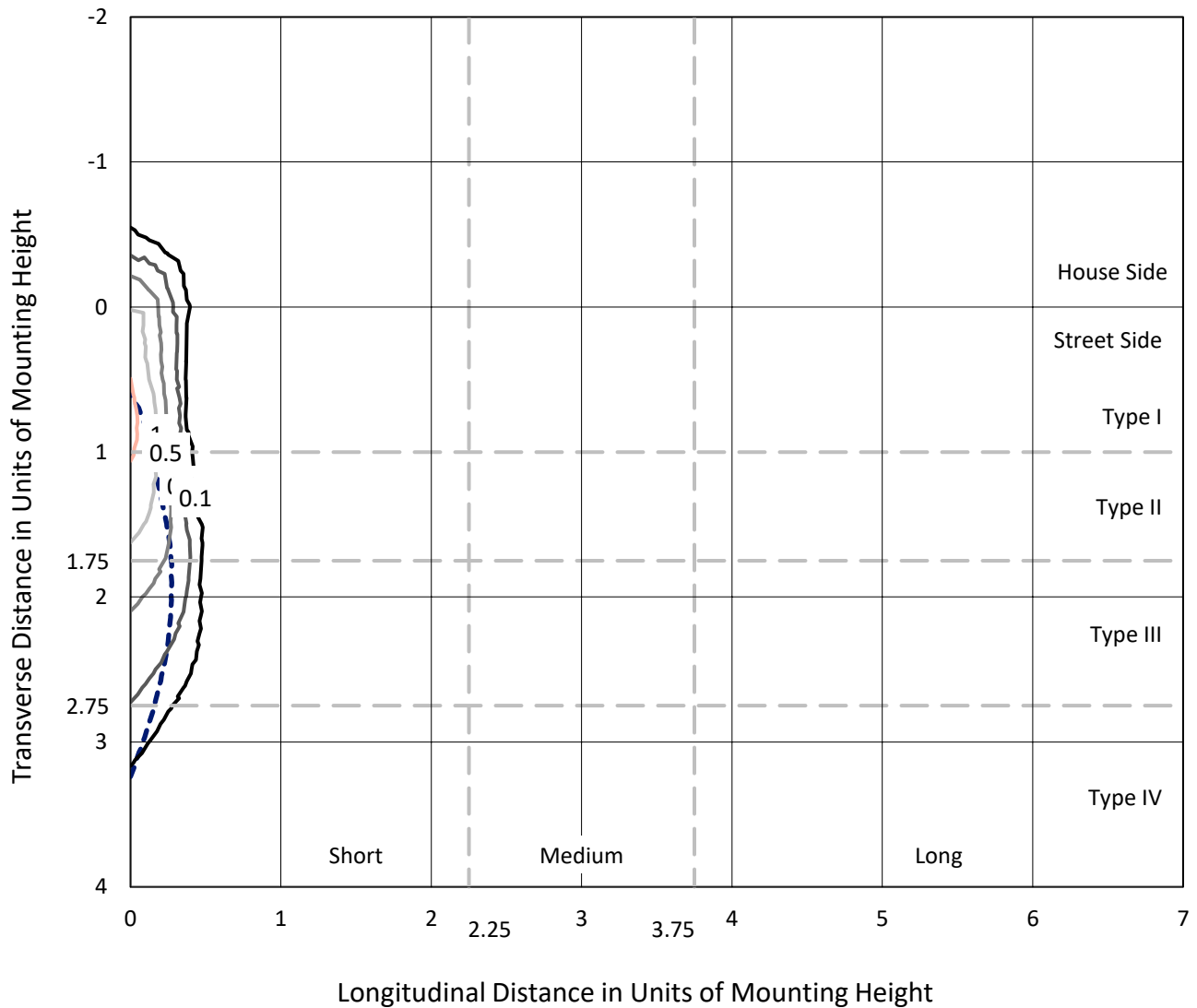
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P367249
 CATALOG NUMBER: MSA-SA2A-830-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination

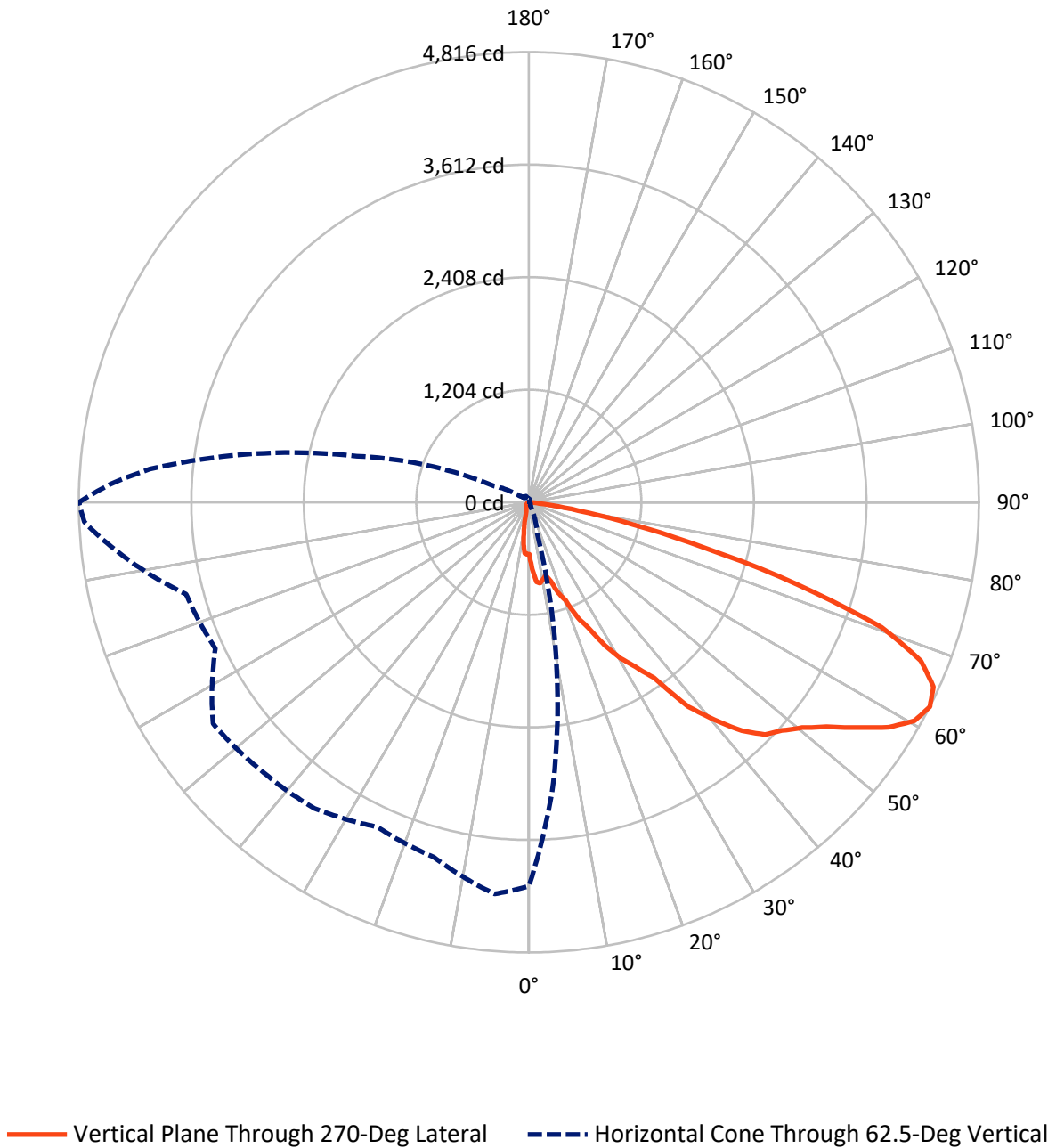
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P367249
CATALOG NUMBER: MSA-SA2A-830-U-SLR-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P367249
 CATALOG NUMBER: MSA-SA2A-830-U-SLR-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	769.3	0.0	769.3
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	3837.7	0.0	3837.7
	% Fixture	83.3	0.0	83.3
Total	Lumens	4607.0	0.0	4607.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.0	1.3
10°-20°	162.0	3.5
20°-30°	261.9	5.7
30°-40°	438.6	9.5
40°-50°	717.1	15.6
50°-60°	1061.5	23.0
60°-70°	1218.6	26.5
70°-80°	602.5	13.1
80°-90°	82.8	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4607.0	100.0
0°-180°	4607.0	100.0

Coefficient of Utilization

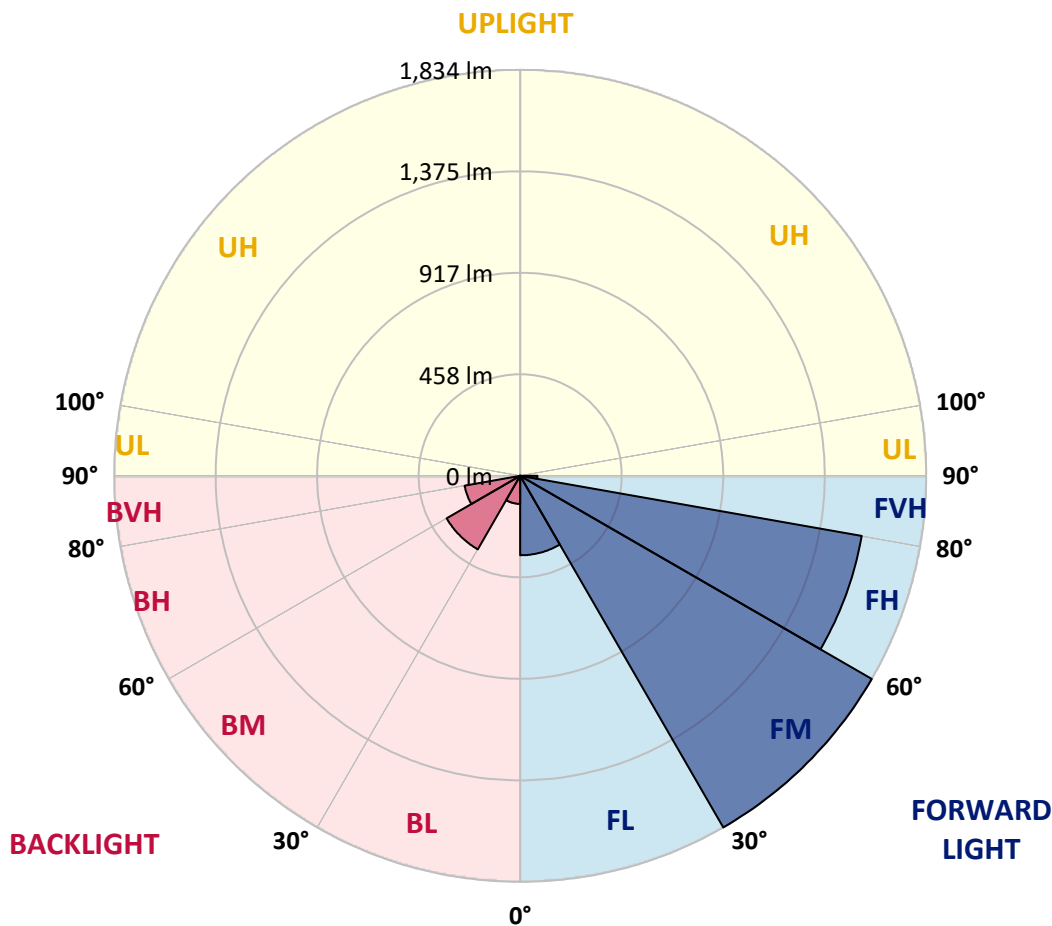


REPORT NUMBER: P367249
 CATALOG NUMBER: MSA-SA2A-830-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	358.9	7.8			
FM (30°-60°)	1833.8	39.8			
FH (60°-80°)	1566.6	34.0			G1/1800
FVH (80°-90°)	78.4	1.7			G1/100
BL (0°-30°)	127.0	2.8	B1/500		
BM (30°-60°)	383.3	8.3	B1/1000		
BH (60°-80°)	254.5	5.5	B1/500		G1/500
BVH (80°-90°)	4.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type IV Short





REPORT NUMBER: P367249

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

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2
2.5°	736.1	745.3	754.2	737.2	720.1	703.0	685.9	670.7	655.5	640.0	624.8
5°	947.2	930.4	913.6	890.5	867.4	844.3	821.2	810.4	799.7	788.9	778.1
7.5°	1020.8	990.8	960.6	940.2	919.9	899.5	879.0	846.7	814.1	781.8	749.2
10°	963.0	931.2	899.2	881.3	863.5	845.6	827.8	787.6	747.1	707.0	666.5
12.5°	989.5	955.1	920.7	884.0	847.2	810.4	773.7	742.9	711.9	681.2	650.2
15°	1007.9	968.5	928.9	886.8	844.8	802.8	760.8	724.6	688.6	652.3	616.1
17.5°	1115.8	1059.4	1002.9	938.3	873.7	809.1	744.5	702.5	660.7	618.7	576.7
20°	1254.5	1174.4	1094.0	1006.6	919.1	831.7	744.2	692.0	639.7	587.5	535.2
22.5°	1415.7	1315.7	1215.4	1107.4	999.8	891.8	783.9	708.8	633.7	558.6	483.5
25°	1578.0	1487.7	1397.4	1252.1	1106.9	961.4	816.2	720.9	625.3	530.0	434.4
27.5°	1871.1	1709.6	1548.1	1363.2	1178.6	993.7	808.8	699.6	590.4	480.8	371.6
30°	2062.8	1938.6	1814.1	1569.9	1325.9	1081.7	837.5	699.1	560.7	422.0	283.6
32.5°	2292.1	2110.4	1928.4	1663.4	1398.4	1133.4	868.5	705.9	543.1	380.5	217.7
35°	2549.7	2352.0	2154.2	1818.6	1483.0	1147.1	811.5	653.9	496.3	338.8	181.2
37.5°	3004.8	2673.9	2343.0	1951.7	1560.2	1168.9	777.3	620.0	462.5	305.2	147.6
40°	3263.2	2947.3	2631.4	2142.4	1653.4	1164.4	675.4	535.7	396.3	256.6	116.9
42.5°	3599.4	3198.6	2797.6	2251.1	1704.6	1158.1	611.6	482.4	353.2	223.7	94.5
45°	3798.7	3344.6	2890.6	2298.4	1706.2	1114.0	521.8	409.9	298.1	186.2	74.3
47.5°	3924.5	3469.1	3013.8	2378.0	1742.4	1106.7	470.9	367.9	265.0	162.0	59.1
50°	3988.3	3531.6	3074.7	2421.3	1767.9	1114.3	460.9	358.5	255.8	153.4	50.7
52.5°	4054.8	3614.4	3173.7	2496.4	1819.1	1141.8	464.6	360.0	255.8	151.3	46.7
55°	4188.9	3754.6	3320.0	2604.1	1888.2	1172.3	456.4	353.5	250.5	147.3	44.4
57.5°	4353.9	3889.6	3425.0	2682.9	1940.7	1198.6	456.4	353.0	249.5	145.8	42.3
60°	4322.6	3818.7	3314.4	2594.4	1874.3	1153.9	433.8	335.4	237.1	138.7	40.2
62.5°	4108.1	3561.0	3013.8	2348.3	1682.6	1017.1	351.4	272.9	194.3	115.5	37.0
65°	3856.0	3275.3	2694.4	2082.0	1469.3	856.9	244.2	191.7	138.9	86.4	33.6
67.5°	3552.4	2933.1	2313.9	1769.2	1224.8	680.2	135.5	109.2	83.0	56.5	30.2
70°	3025.6	2386.4	1746.9	1328.3	910.0	491.3	72.7	61.5	50.2	38.9	27.6
72.5°	2271.3	1685.7	1100.1	835.6	571.4	307.0	42.5	38.3	33.9	29.7	25.2
75°	1545.5	1106.7	667.8	508.4	349.3	189.9	30.5	28.4	26.0	23.9	21.5
77.5°	1050.7	760.0	469.3	358.2	247.1	136.0	24.9	23.6	22.3	20.7	19.4
80°	656.0	449.1	242.1	186.5	130.5	74.8	18.9	18.1	17.3	16.3	15.5
82.5°	458.8	274.4	90.1	70.4	50.7	30.7	11.0	11.3	11.6	11.6	11.8
85°	192.5	104.0	15.5	13.1	10.8	8.4	6.0	6.6	7.4	7.9	8.4
87.5°	3.4	1.8	0.0	0.5	1.3	1.8	2.4	3.2	3.7	4.5	5.0
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: P367249
 CATALOG NUMBER: MSA-SA2A-830-U-SLR-HSS

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



REPORT NUMBER: P367249
 CATALOG NUMBER: MSA-SA2A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2
2.5°	628.7	632.6	636.3	640.3	637.1	634.2	631.1	627.9	623.2	618.7	614.0
5°	765.0	751.9	738.7	725.6	705.6	685.7	665.5	645.5	643.1	640.8	638.2
7.5°	718.5	687.8	656.8	626.1	597.2	568.3	539.4	510.5	501.6	492.9	484.0
10°	642.9	619.2	595.3	571.7	551.0	530.0	509.2	488.2	466.4	444.6	422.5
12.5°	625.5	600.9	575.9	551.2	532.3	513.4	494.5	475.6	451.2	426.7	402.3
15°	589.3	562.5	535.7	508.9	483.7	458.5	433.0	407.8	378.4	349.0	319.6
17.5°	544.9	513.4	481.6	449.9	416.8	383.7	350.6	317.5	283.6	250.0	216.1
20°	492.1	449.1	405.7	362.7	321.7	280.7	239.5	198.5	177.3	156.3	135.0
22.5°	427.8	371.9	316.2	260.3	226.6	192.8	159.1	125.3	116.1	106.9	97.7
25°	371.1	307.8	244.5	181.2	159.9	138.7	117.4	96.1	91.9	87.5	83.2
27.5°	312.0	252.6	193.0	133.4	121.3	109.0	96.9	84.6	81.7	79.0	76.2
30°	239.2	194.9	150.2	105.8	98.0	90.1	81.9	74.1	72.7	71.2	69.9
32.5°	185.4	152.8	120.5	88.0	83.5	79.0	74.6	70.1	68.0	65.9	63.6
35°	154.9	128.9	102.7	76.4	73.3	69.9	66.7	63.3	61.2	58.8	56.7
37.5°	128.4	109.5	90.3	71.2	67.8	64.3	60.7	57.2	55.7	54.1	52.5
40°	105.8	94.8	83.8	72.7	67.8	62.8	57.8	52.8	51.5	50.2	48.8
42.5°	87.5	80.4	73.0	65.9	62.2	58.8	55.1	51.5	49.6	47.5	45.7
45°	70.6	66.7	63.0	59.1	59.4	59.6	59.6	59.9	55.1	50.2	45.4
47.5°	57.2	55.4	53.3	51.5	53.6	55.7	57.5	59.6	54.6	49.6	44.4
50°	49.1	47.8	46.2	44.6	46.7	49.1	51.2	53.3	51.2	49.4	47.3
52.5°	44.9	43.1	41.2	39.4	40.2	41.2	42.0	42.8	42.8	42.8	42.8
55°	42.3	40.4	38.3	36.2	35.5	34.4	33.6	32.6	31.3	30.2	28.9
57.5°	40.2	38.1	35.7	33.6	32.3	30.7	29.4	27.8	26.5	24.9	23.6
60°	38.1	36.0	33.6	31.5	30.2	28.9	27.3	26.0	24.4	23.1	21.5
62.5°	35.2	33.4	31.5	29.7	28.4	27.3	26.0	24.7	23.1	21.5	19.7
65°	32.0	30.7	29.2	27.6	26.3	24.9	23.6	22.3	20.7	19.4	17.9
67.5°	29.2	27.8	26.8	25.5	23.9	22.6	21.0	19.4	18.4	17.3	16.0
70°	26.8	25.7	24.9	23.9	22.3	21.0	19.4	17.9	17.1	16.0	15.2
72.5°	24.4	23.6	22.6	21.8	20.5	19.2	17.9	16.5	15.8	15.0	14.2
75°	21.0	20.5	20.0	19.4	18.1	16.8	15.2	13.9	13.7	13.4	13.1
77.5°	18.9	18.6	18.1	17.6	16.3	15.0	13.7	12.3	12.6	12.9	12.9
80°	15.5	15.5	15.2	15.2	14.2	13.1	11.8	10.8	11.3	12.1	12.6
82.5°	11.8	11.8	11.8	11.8	10.8	9.7	8.7	7.6	8.4	8.9	9.7
85°	8.1	7.9	7.6	7.4	6.6	6.0	5.3	4.5	5.5	6.3	7.4
87.5°	5.0	5.3	5.3	5.3	4.7	3.9	3.4	2.6	3.2	3.4	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367249
 CATALOG NUMBER: MSA-SA2A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367249
 CATALOG NUMBER: MSA-SA2A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2
2.5°	609.3	601.4	593.5	585.4	577.5	559.1	540.7	522.3	504.0	517.6	531.0
5°	635.8	620.6	605.1	589.8	574.3	567.5	560.9	554.1	547.3	548.3	549.7
7.5°	475.1	465.1	455.1	444.9	434.9	432.8	430.9	428.8	426.7	431.2	435.4
10°	400.7	386.8	372.6	358.7	344.5	336.9	329.3	321.7	314.1	313.3	312.2
12.5°	377.9	356.6	335.6	314.3	293.1	276.5	260.0	243.4	226.9	228.2	229.5
15°	290.2	268.9	247.9	226.6	205.4	192.0	178.3	164.9	151.3	147.3	143.4
17.5°	182.3	166.5	150.7	134.7	119.0	114.5	110.3	105.8	101.4	100.1	98.7
20°	113.7	106.9	100.1	93.0	86.1	85.1	84.0	83.0	81.9	82.7	83.5
22.5°	88.5	85.6	82.5	79.6	76.4	75.4	74.3	73.3	72.2	73.0	73.5
25°	78.8	76.7	74.6	72.5	70.4	69.3	68.0	67.0	65.7	66.2	67.0
27.5°	73.3	71.4	69.6	67.8	65.9	64.1	62.5	60.7	58.8	59.9	60.7
30°	68.3	66.2	64.3	62.2	60.1	58.3	56.5	54.4	52.5	53.6	54.6
32.5°	61.5	59.6	57.5	55.7	53.6	52.5	51.5	50.2	49.1	49.9	50.4
35°	54.4	52.8	51.5	49.9	48.3	47.3	46.5	45.4	44.4	44.6	45.2
37.5°	50.9	49.1	47.3	45.4	43.6	43.1	42.5	41.8	41.2	41.2	41.2
40°	47.5	45.7	43.9	41.8	39.9	39.1	38.3	37.6	36.8	36.8	36.8
42.5°	43.6	41.8	39.9	38.1	36.2	35.5	34.4	33.6	32.6	32.6	32.6
45°	40.4	38.6	37.0	35.2	33.4	32.0	30.7	29.2	27.8	27.6	27.3
47.5°	39.4	36.8	34.1	31.5	28.9	27.6	26.3	24.7	23.4	23.1	22.8
50°	45.2	39.9	34.7	29.4	24.2	23.1	22.1	21.0	20.0	19.4	19.2
52.5°	42.8	37.3	31.8	26.3	20.7	20.0	19.2	18.4	17.6	17.1	16.5
55°	27.6	25.2	23.1	20.7	18.4	17.9	17.3	16.5	16.0	15.5	15.0
57.5°	22.1	20.7	19.7	18.4	17.1	16.5	16.0	15.2	14.7	13.9	13.4
60°	20.0	18.9	17.9	16.8	15.8	15.2	14.7	14.2	13.7	12.9	12.3
62.5°	18.1	17.3	16.5	15.8	15.0	14.4	13.9	13.4	12.9	12.1	11.3
65°	16.3	15.8	15.2	14.7	14.2	13.7	13.1	12.3	11.8	11.0	10.2
67.5°	15.0	14.7	14.4	14.2	13.9	13.4	12.6	12.1	11.3	10.5	9.5
70°	14.2	14.2	14.2	13.9	13.9	13.4	12.6	12.1	11.3	10.2	9.5
72.5°	13.4	13.7	13.9	13.9	14.2	13.4	12.6	11.8	11.0	10.0	9.2
75°	12.9	13.1	13.4	13.4	13.7	13.1	12.6	11.8	11.3	10.2	9.2
77.5°	13.1	13.4	13.4	13.7	13.7	13.1	12.6	11.8	11.3	10.0	8.7
80°	13.1	12.9	12.6	12.1	11.8	10.8	9.7	8.4	7.4	5.8	4.5
82.5°	10.2	9.7	9.5	8.9	8.4	7.4	6.3	5.3	4.2	3.2	2.1
85°	8.1	7.6	7.4	6.8	6.3	5.5	4.5	3.7	2.6	2.1	1.3
87.5°	4.2	3.9	3.4	3.2	2.6	2.1	1.3	0.8	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367249
 CATALOG NUMBER: MSA-SA2A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367249
 CATALOG NUMBER: MSA-SA2A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2
2.5°	544.7	558.1	556.2	554.4	563.0	571.7	565.4	559.4	553.1	546.8	533.6
5°	550.7	551.8	549.9	547.8	548.1	548.3	544.1	539.9	535.7	531.5	530.7
7.5°	439.9	444.1	449.9	455.4	455.6	455.6	452.5	449.3	445.9	442.8	444.3
10°	311.5	310.4	312.0	313.6	313.3	312.8	321.2	329.6	337.7	346.1	340.1
12.5°	230.6	231.9	225.3	218.8	221.1	223.2	224.5	225.8	227.2	228.5	232.2
15°	139.4	135.5	130.8	126.1	128.4	130.5	132.9	135.0	137.3	139.4	141.8
17.5°	97.2	95.9	93.8	91.4	91.7	91.9	92.2	92.4	92.4	92.7	93.2
20°	84.3	85.1	83.5	81.7	81.1	80.4	79.8	79.3	78.5	78.0	77.2
22.5°	74.3	74.8	75.1	75.1	74.1	72.7	71.7	70.9	69.9	68.8	68.3
25°	67.5	68.0	67.5	66.7	66.2	65.7	65.1	64.3	63.8	63.0	62.8
27.5°	61.7	62.5	62.5	62.2	61.7	60.9	59.6	58.6	57.2	55.9	56.2
30°	55.7	56.7	56.7	56.5	56.2	55.9	54.6	53.3	52.0	50.7	51.2
32.5°	51.2	51.7	51.5	51.2	51.2	50.9	49.9	49.1	48.1	47.0	47.0
35°	45.4	45.7	45.7	45.7	45.7	45.4	44.6	43.9	43.1	42.3	42.5
37.5°	41.2	41.2	42.0	42.5	42.0	41.5	41.0	40.2	39.7	38.9	38.9
40°	36.5	36.5	37.3	37.8	37.3	36.8	36.5	36.0	35.7	35.2	35.2
42.5°	32.3	32.3	33.1	33.6	33.6	33.4	32.8	32.3	31.8	31.3	31.5
45°	27.0	26.8	28.1	29.2	28.6	28.1	28.1	27.8	27.8	27.6	27.8
47.5°	22.3	22.1	23.1	24.2	23.9	23.4	23.4	23.4	23.4	23.4	23.6
50°	18.6	18.1	19.2	20.0	19.7	19.2	19.2	19.4	19.4	19.4	19.7
52.5°	16.0	15.5	16.3	16.8	16.5	16.3	16.3	16.5	16.5	16.5	16.8
55°	14.2	13.7	14.4	15.0	14.7	14.2	14.4	14.4	14.7	14.7	14.7
57.5°	12.6	11.8	12.3	12.9	12.9	12.6	12.9	12.9	13.1	13.1	13.1
60°	11.6	10.8	11.3	11.6	11.6	11.3	11.6	11.6	11.8	11.8	11.8
62.5°	10.2	9.5	10.0	10.2	10.2	10.0	10.2	10.2	10.5	10.5	10.5
65°	9.2	8.4	8.7	8.9	8.9	8.9	9.2	9.2	9.5	9.5	9.5
67.5°	8.7	7.6	7.9	8.1	8.1	8.1	8.4	8.4	8.7	8.7	8.9
70°	8.4	7.4	7.6	7.6	7.9	7.9	7.9	8.1	8.1	8.1	8.1
72.5°	8.1	7.1	7.1	7.1	7.4	7.4	7.4	7.6	7.6	7.6	7.6
75°	8.1	7.1	6.8	6.6	6.8	6.8	6.8	7.1	7.1	7.1	7.1
77.5°	7.1	5.8	5.3	4.5	5.3	5.8	6.0	6.0	6.3	6.3	6.3
80°	2.9	1.3	0.8	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.8
82.5°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367249
 CATALOG NUMBER: MSA-SA2A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367249
 CATALOG NUMBER: MSA-SA2A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2
2.5°	520.5	507.4	494.2	500.5	506.8	513.1	519.4	518.9	518.1	517.6	516.8
5°	530.2	529.4	528.6	525.0	521.6	517.9	514.2	513.4	512.4	511.6	510.5
7.5°	445.9	447.2	448.8	444.6	440.4	436.2	432.0	421.2	410.5	399.4	388.7
10°	334.0	327.7	321.7	321.2	320.7	320.1	319.6	318.6	317.5	316.2	315.1
12.5°	236.1	239.8	243.4	242.1	240.8	239.2	237.9	239.8	241.9	243.7	245.5
15°	143.9	146.3	148.4	153.1	157.8	162.6	167.3	169.1	171.2	173.1	174.9
17.5°	93.8	94.0	94.5	99.8	104.8	110.0	115.0	118.4	121.9	125.0	128.4
20°	76.4	75.6	74.8	77.7	80.6	83.5	86.4	89.6	92.7	95.9	99.0
22.5°	68.0	67.5	67.0	68.0	69.1	69.9	70.9	73.3	75.9	78.3	80.6
25°	62.5	62.0	61.7	62.2	62.8	63.3	63.8	65.1	66.4	67.8	69.1
27.5°	56.2	56.5	56.5	57.0	57.2	57.8	58.0	58.6	59.4	59.9	60.4
30°	51.5	52.0	52.3	52.8	53.0	53.6	53.8	53.6	53.3	53.0	52.8
32.5°	47.0	46.7	46.7	47.3	47.5	48.1	48.3	48.8	49.4	49.6	50.2
35°	42.5	42.8	42.8	42.8	43.1	43.1	43.1	43.6	44.4	44.9	45.4
37.5°	38.6	38.6	38.3	39.1	39.7	40.4	41.0	41.5	42.3	42.8	43.3
40°	35.2	35.2	35.2	35.7	36.2	36.5	37.0	38.3	39.7	41.0	42.3
42.5°	31.5	31.8	31.8	32.3	32.8	33.1	33.6	34.7	35.5	36.5	37.3
45°	28.1	28.4	28.6	29.2	29.4	29.9	30.2	30.7	31.0	31.5	31.8
47.5°	24.2	24.4	24.7	25.2	25.5	26.0	26.3	26.0	26.0	25.7	25.5
50°	20.2	20.5	20.7	21.5	22.1	22.8	23.4	22.8	22.3	21.5	21.0
52.5°	17.1	17.1	17.3	17.9	18.4	18.6	19.2	18.9	18.6	18.4	18.1
55°	14.7	14.7	14.7	15.0	15.2	15.5	15.8	16.0	16.0	16.3	16.3
57.5°	13.1	12.9	12.9	13.1	13.4	13.4	13.7	13.9	13.9	14.2	14.2
60°	11.8	11.6	11.6	11.8	12.1	12.3	12.6	12.6	12.6	12.3	12.3
62.5°	10.5	10.5	10.5	10.8	10.8	11.0	11.0	11.0	11.3	11.3	11.3
65°	9.7	9.7	9.7	9.7	9.7	9.5	9.5	9.7	9.7	10.0	10.0
67.5°	8.9	9.2	9.2	8.9	8.7	8.4	8.1	8.4	8.4	8.7	8.7
70°	8.1	8.1	8.1	7.9	7.6	7.4	7.1	7.1	7.1	6.8	6.8
72.5°	7.6	7.4	7.4	7.1	6.6	6.3	5.8	5.5	5.5	5.3	5.0
75°	7.1	6.8	6.8	6.3	5.8	5.3	4.7	4.5	3.9	3.7	3.2
77.5°	6.3	6.3	6.3	5.5	5.0	4.2	3.4	2.9	2.4	1.6	1.1
80°	2.1	2.4	2.6	2.4	2.4	2.1	1.8	1.3	1.1	0.5	0.0
82.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367249
 CATALOG NUMBER: MSA-SA2A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367249
 CATALOG NUMBER: MSA-SA2A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2
2.5°	519.7	522.6	525.5	528.4	528.6	528.9	529.2	529.4	522.9	516.0	509.5
5°	515.8	521.3	526.5	531.8	528.9	526.0	523.1	520.2	520.0	520.0	519.7
7.5°	389.5	390.0	390.8	391.3	392.3	393.4	394.2	395.2	399.4	403.6	407.6
10°	311.7	308.3	304.6	301.2	298.6	295.7	293.1	290.2	292.3	294.7	296.8
12.5°	242.7	239.8	236.6	233.7	232.7	231.6	230.3	229.3	236.1	242.9	249.5
15°	174.4	173.9	173.1	172.5	176.0	179.4	182.8	186.2	192.0	197.5	203.3
17.5°	129.7	131.0	132.4	133.7	135.8	137.9	139.7	141.8	146.0	150.5	154.7
20°	100.6	102.4	104.0	105.6	105.0	104.5	103.7	103.2	106.6	110.0	113.2
22.5°	82.2	83.5	85.1	86.4	86.7	86.9	87.2	87.5	89.6	91.4	93.5
25°	70.4	72.0	73.3	74.6	74.8	75.1	75.4	75.6	78.3	80.9	83.2
27.5°	62.2	63.8	65.7	67.2	67.8	68.3	68.8	69.3	70.9	72.2	73.8
30°	54.9	57.0	59.1	61.2	62.0	62.8	63.6	64.3	65.9	67.8	69.3
32.5°	51.2	52.5	53.6	54.6	56.5	58.0	59.9	61.5	63.3	65.4	67.2
35°	47.0	48.3	49.9	51.2	52.5	53.8	54.9	56.2	57.2	58.3	59.1
37.5°	44.4	45.7	46.7	47.8	48.3	48.8	49.1	49.6	50.2	50.7	50.9
40°	42.3	42.0	42.0	41.8	42.3	43.1	43.6	44.1	45.7	47.0	48.6
42.5°	36.8	36.0	35.5	34.7	36.0	37.0	38.3	39.4	41.5	43.6	45.7
45°	31.3	30.7	29.9	29.4	31.3	33.1	34.9	36.8	39.1	41.2	43.6
47.5°	25.7	26.0	26.0	26.3	28.1	29.9	31.5	33.4	35.7	38.1	40.4
50°	21.5	22.1	22.6	23.1	24.9	26.5	28.4	29.9	32.6	34.9	37.6
52.5°	18.9	19.7	20.2	21.0	22.6	24.4	26.0	27.6	29.9	32.3	34.7
55°	17.1	18.1	18.9	19.7	21.0	22.3	23.6	24.9	27.3	29.7	31.8
57.5°	15.0	15.8	16.5	17.3	18.6	20.0	21.0	22.3	24.4	26.8	28.9
60°	13.1	13.7	14.4	15.0	16.0	17.3	18.4	19.4	21.5	23.6	25.5
62.5°	11.6	12.1	12.3	12.6	13.7	14.7	15.8	16.8	18.6	20.7	22.6
65°	10.2	10.5	10.5	10.8	11.6	12.6	13.4	14.2	16.3	18.1	20.2
67.5°	8.7	8.9	8.9	8.9	9.7	10.5	11.3	12.1	13.9	16.0	17.9
70°	6.8	7.1	7.1	7.1	7.9	8.9	9.7	10.5	12.1	13.7	15.2
72.5°	5.3	5.3	5.5	5.5	6.3	7.4	8.1	8.9	10.2	11.6	12.9
75°	3.4	3.7	3.7	3.9	4.7	5.8	6.6	7.4	8.7	10.0	11.0
77.5°	1.3	1.8	2.1	2.4	3.2	3.9	4.7	5.5	6.6	7.9	8.9
80°	0.0	0.3	0.3	0.3	0.8	1.1	1.6	1.8	2.6	3.7	4.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367249
 CATALOG NUMBER: MSA-SA2A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P367249
 CATALOG NUMBER: MSA-SA2A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2
2.5°	502.6	517.1	531.5	546.0	560.4	578.3	596.1	598.8	601.4	598.2	595.3
5°	519.4	526.5	533.4	540.5	547.3	567.8	588.0	588.3	588.3	588.5	588.5
7.5°	411.8	417.8	423.9	429.6	435.7	449.1	462.5	467.5	472.2	471.1	470.1
10°	298.9	306.7	314.3	322.2	329.8	342.2	354.5	359.3	363.7	378.2	392.9
12.5°	256.3	263.9	271.5	278.9	286.5	299.1	311.7	320.9	329.8	338.8	347.7
15°	208.8	214.8	221.1	227.2	233.2	239.0	244.8	256.0	267.1	276.0	284.9
17.5°	158.9	161.5	163.9	166.5	168.9	171.5	174.1	178.8	183.3	191.2	198.8
20°	116.6	118.7	120.8	122.6	124.7	127.4	130.0	133.4	136.6	138.4	140.0
22.5°	95.3	98.5	101.6	104.5	107.7	109.5	111.3	112.4	113.4	114.2	115.0
25°	85.9	88.8	91.4	94.3	96.9	97.7	98.5	100.6	102.7	102.7	102.7
27.5°	75.1	79.0	83.2	87.2	91.1	92.2	93.0	93.8	94.3	93.2	91.9
30°	70.9	74.8	78.8	82.5	86.4	88.0	89.3	90.1	90.9	89.6	88.2
32.5°	69.1	72.7	76.2	79.8	83.2	85.3	87.2	89.3	91.1	91.4	91.9
35°	60.1	62.5	65.1	67.5	69.9	70.9	72.0	72.7	73.3	73.3	73.3
37.5°	51.5	54.6	58.0	61.2	64.3	66.7	69.1	69.3	69.3	69.9	70.6
40°	49.9	53.0	56.2	59.1	62.2	64.9	67.2	67.5	67.8	68.3	68.8
42.5°	47.8	51.2	54.6	58.0	61.5	64.1	66.4	66.4	66.2	67.0	67.5
45°	45.7	49.1	52.3	55.7	58.8	62.2	65.4	64.6	63.6	64.9	65.9
47.5°	42.8	46.5	50.2	53.6	57.2	60.4	63.3	62.8	62.0	63.3	64.6
50°	39.9	43.6	47.3	50.9	54.6	58.0	61.2	60.7	60.1	61.7	63.0
52.5°	37.0	40.7	44.6	48.3	52.0	54.9	57.5	57.2	57.0	58.6	60.4
55°	34.1	37.6	41.2	44.6	48.1	51.2	54.1	53.6	53.0	54.4	55.7
57.5°	31.0	34.4	37.6	41.0	44.1	46.7	49.1	48.3	47.5	49.1	50.7
60°	27.6	30.7	33.9	36.8	39.9	42.0	43.9	43.3	42.5	44.1	45.7
62.5°	24.4	27.3	30.2	32.8	35.7	37.3	38.9	38.3	37.8	39.4	41.2
65°	22.1	24.4	26.5	28.9	31.0	32.6	34.1	33.4	32.6	34.4	36.0
67.5°	19.7	21.5	23.6	25.5	27.3	28.6	29.9	29.4	28.6	29.9	31.3
70°	16.8	18.6	20.5	22.1	23.9	25.2	26.5	25.7	24.7	26.0	27.3
72.5°	14.2	15.8	17.3	18.6	20.2	21.3	22.3	21.5	20.7	21.8	22.8
75°	12.3	13.7	15.0	16.0	17.3	17.9	18.4	18.1	17.6	18.6	19.4
77.5°	10.0	11.0	12.3	13.4	14.4	14.4	14.4	14.7	14.7	15.8	17.1
80°	5.3	6.3	7.4	8.1	9.2	9.2	8.9	9.5	9.7	11.0	12.3
82.5°	0.0	0.8	1.6	2.4	3.2	2.9	2.4	2.6	2.6	3.2	3.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367249
 CATALOG NUMBER: MSA-SA2A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367249
 CATALOG NUMBER: MSA-SA2A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2
2.5°	592.2	589.0	586.9	585.1	583.0	580.9	583.5	586.2	588.5	591.1	599.0
5°	588.8	588.8	586.9	585.1	583.3	581.4	585.4	589.0	593.0	596.7	596.4
7.5°	468.8	467.7	478.7	489.5	500.5	511.3	514.2	517.1	519.7	522.6	521.8
10°	407.3	421.8	426.5	431.2	435.9	440.7	446.4	452.2	458.0	463.8	465.9
12.5°	356.6	365.6	380.8	395.8	411.0	426.0	433.6	441.5	449.1	456.7	471.7
15°	293.9	302.8	315.9	329.1	342.2	355.3	367.4	379.7	391.8	403.9	422.0
17.5°	206.7	214.3	224.3	234.3	244.0	253.9	272.6	291.2	309.9	328.5	347.7
20°	141.8	143.4	148.1	153.1	157.8	162.6	179.4	196.4	213.2	230.0	255.3
22.5°	115.5	116.3	118.7	121.1	123.2	125.5	134.2	143.1	151.8	160.5	180.9
25°	102.4	102.4	104.0	105.6	107.1	108.7	113.4	118.2	122.6	127.4	140.5
27.5°	90.9	89.6	91.9	94.3	96.6	99.0	102.4	106.1	109.5	112.9	121.9
30°	86.9	85.6	88.5	91.4	94.3	97.2	100.6	104.0	107.1	110.6	116.6
32.5°	92.2	92.4	93.5	94.5	95.3	96.4	98.0	99.8	101.4	102.9	108.2
35°	73.3	73.3	75.1	76.9	78.5	80.4	83.2	86.1	89.0	91.9	97.4
37.5°	71.2	71.7	73.3	75.1	76.7	78.3	81.9	85.9	89.6	93.2	97.7
40°	69.1	69.6	71.7	73.8	75.9	78.0	81.7	85.1	88.8	92.2	96.4
42.5°	68.3	68.8	71.4	74.3	76.9	79.6	82.7	85.9	88.8	91.9	97.7
45°	67.2	68.3	71.4	74.8	78.0	81.1	84.0	86.9	89.8	92.7	99.8
47.5°	65.7	67.0	70.6	74.1	77.7	81.1	86.7	92.4	98.0	103.5	106.9
50°	64.6	65.9	69.9	73.8	77.7	81.7	90.6	99.5	108.2	117.1	115.3
52.5°	62.0	63.6	68.5	73.5	78.5	83.5	91.4	99.3	107.1	115.0	111.3
55°	57.0	58.3	64.1	69.9	75.4	81.1	86.9	92.7	98.2	104.0	99.8
57.5°	52.0	53.6	59.1	64.6	69.9	75.4	78.3	81.1	84.0	86.9	85.3
60°	47.3	48.8	56.2	63.6	70.9	78.3	75.6	73.0	70.1	67.5	69.3
62.5°	42.8	44.4	51.5	58.3	65.4	72.2	68.5	64.9	61.2	57.5	60.4
65°	37.8	39.4	42.0	44.9	47.5	50.2	49.9	49.4	49.1	48.6	51.7
67.5°	32.6	33.9	35.2	36.8	38.1	39.4	40.2	41.2	42.0	42.8	45.4
70°	28.4	29.7	31.3	32.6	34.1	35.5	36.0	36.5	36.8	37.3	39.7
72.5°	23.6	24.7	26.8	28.9	30.7	32.8	33.1	33.1	33.4	33.4	35.2
75°	20.5	21.3	22.8	24.4	25.7	27.3	28.1	28.9	29.4	30.2	31.3
77.5°	18.1	19.2	19.7	20.0	20.5	20.7	21.3	21.8	22.3	22.8	23.1
80°	13.4	14.7	15.2	15.5	16.0	16.3	16.3	16.0	16.0	15.8	16.0
82.5°	4.2	4.7	5.5	6.3	7.1	7.9	8.1	8.4	8.4	8.7	8.4
85°	0.8	1.1	1.6	2.1	2.4	2.9	2.6	2.1	1.8	1.3	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367249
 CATALOG NUMBER: MSA-SA2A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367249
 CATALOG NUMBER: MSA-SA2A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2
2.5°	606.9	614.5	622.4	619.2	616.1	612.9	609.8	610.3	611.1	611.6	612.2
5°	596.1	595.6	595.3	604.3	613.5	622.4	631.3	641.0	651.0	660.7	670.5
7.5°	521.0	520.0	519.2	530.7	542.3	553.9	565.4	578.8	592.5	605.8	619.2
10°	468.0	470.1	472.2	476.9	481.9	486.6	491.3	504.2	517.1	529.7	542.6
12.5°	486.6	501.3	516.3	519.2	521.8	524.7	527.3	529.2	531.0	532.8	534.7
15°	440.4	458.5	476.6	484.3	491.6	499.2	506.6	526.0	545.2	564.6	583.8
17.5°	366.9	385.8	405.0	427.8	450.6	473.5	496.3	517.3	538.4	559.4	580.4
20°	280.7	305.9	331.2	360.0	389.2	418.1	447.0	468.0	488.7	509.7	530.5
22.5°	201.7	222.2	242.7	277.6	312.2	347.2	381.8	418.3	455.1	491.6	528.1
25°	153.6	166.5	179.6	214.0	248.4	282.6	317.0	367.1	417.3	467.5	517.6
27.5°	130.5	139.4	148.1	179.1	210.1	240.8	271.8	331.4	391.0	450.6	510.3
30°	122.9	128.9	135.0	161.2	187.8	214.0	240.3	300.7	361.1	421.5	481.9
32.5°	113.4	118.4	123.7	146.8	169.9	192.8	215.9	275.0	334.0	392.9	452.0
35°	102.7	108.2	113.4	136.6	159.7	182.5	205.6	266.8	328.0	389.2	450.4
37.5°	101.9	106.4	110.6	137.3	164.4	191.2	218.0	279.2	340.3	401.3	462.5
40°	100.8	105.0	109.2	136.6	163.6	190.9	218.0	282.0	346.1	410.2	474.3
42.5°	103.5	109.0	114.8	138.9	163.1	187.0	211.1	278.6	346.1	413.4	480.8
45°	107.1	114.2	121.3	143.4	165.4	187.5	209.6	282.8	356.1	429.1	502.4
47.5°	110.6	114.0	117.4	138.4	159.1	180.2	200.9	275.7	350.6	425.4	500.3
50°	113.7	111.9	110.0	133.1	156.3	179.1	202.2	273.6	344.8	416.2	487.4
52.5°	107.4	103.7	99.8	124.5	149.2	173.6	198.3	270.2	342.2	414.1	486.1
55°	95.6	91.4	87.2	111.6	135.8	160.2	184.4	256.0	327.7	399.4	471.1
57.5°	83.5	81.9	80.1	98.7	117.4	135.8	154.4	234.0	313.8	393.4	473.0
60°	71.2	72.7	74.6	88.0	101.4	114.5	127.9	205.9	283.6	361.6	439.4
62.5°	63.0	65.9	68.5	79.8	91.4	102.7	114.0	187.5	261.0	334.6	408.1
65°	55.1	58.3	61.5	74.8	88.5	101.9	115.3	177.5	239.8	302.0	364.2
67.5°	48.1	50.4	53.0	70.6	88.2	105.8	123.4	174.4	225.1	276.0	326.7
70°	42.0	44.1	46.5	67.0	87.5	107.9	128.4	171.7	215.3	258.7	302.0
72.5°	37.0	38.9	40.7	61.5	82.2	102.9	123.7	162.3	200.6	239.2	277.6
75°	32.3	33.1	34.1	51.7	69.1	86.7	104.0	129.7	155.7	181.5	207.2
77.5°	23.4	23.4	23.6	28.9	33.9	39.1	44.1	60.1	76.2	91.9	107.9
80°	16.0	16.3	16.3	18.4	20.2	22.3	24.2	27.6	30.7	34.1	37.3
82.5°	8.1	7.6	7.4	9.5	11.6	13.7	15.8	16.5	17.1	17.9	18.4
85°	0.8	0.3	0.0	1.3	2.6	3.9	5.3	6.3	7.4	8.4	9.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367249
 CATALOG NUMBER: MSA-SA2A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367249

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2
2.5°	610.1	608.0	605.8	603.7	616.6	629.7	642.6	655.5	692.0	715.9	713.3
5°	679.9	689.4	698.8	708.3	723.5	739.0	754.2	769.5	823.6	856.6	861.4
7.5°	633.9	648.4	663.1	677.5	707.0	736.1	765.5	794.7	839.1	873.5	892.9
10°	559.1	575.6	591.9	608.5	641.6	674.9	708.0	741.1	791.0	838.5	862.9
12.5°	560.7	586.7	612.7	638.7	667.6	696.5	725.1	754.0	784.4	800.4	834.8
15°	604.3	624.8	645.2	665.7	703.5	741.4	778.9	816.7	834.8	873.5	913.6
17.5°	620.3	660.5	700.4	740.3	787.6	834.6	881.9	928.9	963.0	1016.6	1058.1
20°	590.6	650.8	710.6	770.8	835.6	900.5	965.4	1030.2	1067.5	1118.5	1182.5
22.5°	591.9	655.7	719.3	783.1	872.7	962.0	1051.5	1140.8	1240.8	1339.1	1370.3
25°	601.1	684.6	767.9	851.4	954.9	1058.3	1161.8	1265.3	1386.1	1489.3	1530.8
27.5°	604.3	698.3	792.0	886.1	1033.1	1180.2	1327.2	1474.3	1618.5	1735.1	1779.5
30°	596.7	711.7	826.4	941.2	1121.6	1302.0	1482.5	1662.9	1799.7	1935.5	1990.6
32.5°	598.5	745.0	891.6	1038.1	1250.6	1463.3	1675.7	1888.2	1975.6	2098.0	2195.2
35°	611.1	771.8	932.3	1093.0	1328.0	1563.1	1798.1	2033.2	2176.5	2305.7	2388.2
37.5°	640.5	818.6	996.4	1174.4	1463.3	1752.4	2041.3	2330.2	2552.1	2774.0	2811.8
40°	662.3	850.3	1038.4	1226.4	1561.8	1897.1	2232.5	2567.8	2818.9	3059.7	3085.4
42.5°	687.0	892.9	1099.0	1304.9	1679.9	2055.0	2430.0	2805.0	3095.7	3341.2	3358.3
45°	714.0	926.0	1137.6	1349.3	1742.2	2134.8	2527.7	2920.3	3259.8	3545.0	3480.7
47.5°	726.9	953.5	1180.2	1406.8	1828.1	2249.0	2670.3	3091.2	3395.9	3647.4	3572.3
50°	736.9	986.1	1235.6	1484.8	1926.5	2368.2	2810.0	3251.7	3557.1	3789.3	3671.6
52.5°	765.0	1043.6	1322.5	1601.2	2071.0	2540.5	3010.3	3479.9	3775.3	3988.6	3823.7
55°	792.3	1113.2	1434.4	1755.3	2260.6	2766.1	3271.4	3776.6	4070.8	4253.6	4029.5
57.5°	826.7	1180.7	1534.5	1888.2	2428.7	2969.1	3509.3	4049.8	4337.3	4539.3	4306.6
60°	817.8	1195.9	1574.4	1952.5	2503.0	3053.4	3603.8	4154.3	4495.9	4744.1	4586.3
62.5°	783.1	1158.1	1532.9	1907.9	2448.6	2989.1	3529.8	4070.2	4479.7	4815.8	4762.8
65°	713.0	1061.5	1410.2	1758.7	2275.0	2791.6	3307.9	3824.2	4329.4	4757.2	4776.2
67.5°	620.8	914.9	1208.8	1502.9	1984.6	2466.2	2947.6	3429.2	4025.6	4524.6	4580.8
70°	523.1	744.0	965.1	1186.0	1609.8	2033.7	2457.3	2881.1	3501.2	4003.3	4109.4
72.5°	419.4	561.5	703.3	845.1	1151.0	1456.7	1762.7	2068.3	2613.8	3003.5	3188.7
75°	271.8	336.4	401.0	465.6	669.4	872.9	1076.7	1280.2	1642.4	1929.4	2138.7
77.5°	121.1	134.2	147.1	160.2	317.5	474.8	632.1	789.4	946.7	1120.0	1169.2
80°	43.3	49.1	55.1	60.9	138.1	215.6	292.8	370.0	446.2	535.7	557.5
82.5°	18.1	18.1	17.9	17.6	45.2	72.7	100.3	127.9	147.9	169.9	174.1
85°	7.4	5.5	3.4	1.3	5.8	10.5	15.0	19.4	31.3	28.4	52.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367249
 CATALOG NUMBER: MSA-SA2A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367249

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2
2.5°	703.3	702.8	702.2	701.7	701.2	691.7	682.5	673.1	663.9	675.4	687.0
5°	853.8	867.4	881.1	895.0	908.6	912.6	916.5	920.5	924.4	932.8	941.2
7.5°	909.2	932.3	955.1	978.2	1001.1	1022.4	1043.4	1064.6	1085.9	1080.7	1075.4
10°	890.0	931.8	973.5	1015.5	1057.3	1066.5	1075.7	1085.1	1094.3	1118.2	1142.1
12.5°	869.3	919.4	969.6	1019.7	1069.9	1097.7	1125.3	1153.1	1181.0	1205.1	1229.3
15°	967.7	999.8	1031.8	1064.1	1096.1	1120.6	1144.7	1169.2	1193.3	1210.1	1226.7
17.5°	1097.2	1113.0	1128.7	1144.7	1160.5	1179.7	1198.8	1218.0	1237.2	1247.2	1257.1
20°	1234.0	1240.8	1247.7	1254.5	1261.3	1246.1	1230.9	1215.6	1200.4	1209.9	1219.1
22.5°	1371.4	1373.7	1376.4	1378.7	1381.1	1345.6	1310.2	1274.7	1239.3	1224.3	1209.3
25°	1582.8	1565.4	1548.1	1530.8	1513.4	1471.4	1429.4	1387.4	1345.4	1308.3	1271.3
27.5°	1811.8	1752.9	1694.4	1635.6	1577.0	1535.0	1493.0	1450.9	1408.9	1353.2	1297.6
30°	2042.6	1947.8	1853.3	1758.5	1663.9	1614.0	1564.1	1514.0	1464.1	1408.4	1353.0
32.5°	2254.3	2140.3	2026.3	1912.1	1798.1	1714.1	1630.0	1546.0	1462.0	1423.1	1384.2
35°	2429.7	2295.0	2160.3	2025.3	1890.6	1807.3	1724.1	1640.8	1557.6	1499.8	1442.3
37.5°	2729.6	2578.1	2426.5	2275.0	2123.5	2009.8	1896.3	1782.6	1668.9	1630.3	1591.7
40°	3006.1	2815.2	2624.3	2433.4	2242.5	2147.1	2052.1	1956.7	1861.7	1798.4	1735.4
42.5°	3225.9	3024.8	2823.9	2622.7	2421.6	2327.3	2233.3	2139.0	2044.7	2002.4	1960.4
45°	3273.5	3083.9	2894.5	2704.9	2515.3	2460.4	2405.8	2350.9	2296.3	2267.1	2238.3
47.5°	3367.2	3161.6	2956.2	2750.6	2545.0	2520.3	2495.6	2470.7	2446.0	2459.9	2473.8
50°	3419.8	3209.9	3000.1	2790.3	2580.4	2587.5	2594.4	2601.5	2608.5	2707.3	2805.8
52.5°	3521.6	3309.7	3097.8	2885.9	2673.9	2718.6	2763.0	2807.6	2852.0	2988.0	3123.8
55°	3703.6	3495.4	3287.1	3078.6	2870.4	2929.2	2988.0	3047.1	3105.9	3250.4	3394.5
57.5°	3973.3	3766.7	3560.3	3353.6	3147.2	3205.7	3264.3	3322.8	3381.4	3511.9	3642.2
60°	4312.9	4100.7	3888.8	3676.6	3464.7	3486.7	3508.5	3530.6	3552.6	3692.9	3832.8
62.5°	4577.4	4382.2	4187.4	3992.3	3797.4	3773.0	3748.8	3724.4	3700.2	3806.8	3913.2
65°	4638.8	4501.5	4364.4	4227.0	4089.7	4014.6	3939.7	3864.6	3789.5	3832.6	3875.7
67.5°	4462.9	4370.2	4277.7	4185.0	4092.3	3935.5	3778.7	3621.7	3464.9	3442.1	3419.2
70°	4054.5	4003.8	3953.4	3902.7	3852.3	3610.7	3369.3	3127.7	2886.4	2828.3	2770.3
72.5°	3199.4	3230.9	3262.4	3294.2	3325.7	3067.1	2808.7	2550.0	2291.3	2217.8	2144.5
75°	2256.1	2363.0	2469.9	2576.8	2683.6	2447.8	2212.3	1976.4	1740.6	1670.0	1599.6
77.5°	1223.3	1423.6	1624.0	1824.4	2024.8	1830.2	1635.8	1441.2	1246.6	1197.5	1148.7
80°	579.9	695.4	810.7	926.2	1041.8	997.9	954.1	910.0	866.1	876.9	887.6
82.5°	177.8	261.3	344.8	428.3	511.8	518.4	524.7	531.3	537.8	554.1	570.1
85°	59.6	81.7	103.7	125.8	147.9	186.7	225.6	264.7	303.6	278.4	253.4
87.5°	0.0	0.8	1.3	2.1	2.6	8.1	13.7	19.2	24.7	21.3	18.1
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: P367249
 CATALOG NUMBER: MSA-SA2A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P367249

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

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2
2.5°	698.8	710.4	710.6	711.2	711.4	711.7	713.0	714.3	715.9	717.2	708.5
5°	949.9	958.3	942.8	927.3	911.5	896.0	910.0	923.9	937.8	951.7	945.7
7.5°	1069.9	1064.6	1062.8	1061.2	1059.4	1057.8	1063.1	1068.3	1073.6	1078.8	1078.3
10°	1166.0	1189.9	1195.7	1201.5	1207.5	1213.3	1201.2	1189.1	1177.0	1165.0	1160.0
12.5°	1253.5	1277.6	1296.8	1316.0	1335.4	1354.6	1337.2	1320.2	1302.8	1285.8	1269.5
15°	1243.5	1260.0	1275.8	1291.5	1307.3	1323.0	1317.3	1311.8	1306.0	1300.2	1297.6
17.5°	1267.4	1277.4	1273.7	1270.0	1266.1	1262.4	1260.5	1259.0	1257.1	1255.3	1249.0
20°	1228.5	1238.0	1235.6	1233.5	1231.1	1228.8	1227.2	1225.6	1224.0	1222.5	1217.5
22.5°	1194.4	1179.4	1175.5	1171.8	1167.8	1164.2	1164.7	1165.2	1165.5	1166.0	1188.6
25°	1234.3	1197.3	1182.8	1168.4	1153.7	1139.2	1145.8	1152.1	1158.7	1165.2	1197.8
27.5°	1241.6	1186.0	1162.9	1139.7	1116.6	1093.5	1117.2	1140.8	1164.4	1188.1	1240.8
30°	1297.3	1241.9	1209.6	1177.6	1145.3	1113.2	1143.4	1173.6	1203.8	1234.0	1291.3
32.5°	1345.1	1306.2	1283.1	1260.0	1236.9	1213.8	1215.1	1216.2	1217.5	1218.8	1299.4
35°	1384.5	1327.0	1306.0	1285.2	1264.2	1243.5	1274.7	1306.0	1337.2	1368.5	1441.0
37.5°	1553.1	1514.5	1475.9	1437.5	1398.9	1360.6	1385.5	1410.5	1435.7	1460.7	1540.8
40°	1672.1	1609.0	1599.1	1589.3	1579.4	1569.6	1582.5	1595.1	1608.0	1620.9	1691.0
42.5°	1918.1	1875.8	1848.8	1822.0	1795.0	1768.2	1778.4	1788.7	1799.2	1809.4	1875.8
45°	2209.1	2180.0	2162.1	2144.2	2126.1	2108.3	2092.8	2077.5	2062.0	2046.8	2114.3
47.5°	2487.7	2501.7	2541.0	2580.2	2619.6	2658.7	2626.7	2594.6	2562.3	2530.3	2530.5
50°	2904.5	3003.0	3022.9	3042.6	3062.6	3082.3	3014.0	2945.7	2877.2	2808.9	2800.8
52.5°	3259.8	3395.6	3402.7	3409.8	3417.1	3424.2	3396.6	3369.1	3341.2	3313.7	3240.4
55°	3539.0	3683.2	3692.9	3702.3	3712.0	3721.5	3697.3	3673.4	3649.3	3625.1	3551.1
57.5°	3772.7	3903.0	3908.7	3914.3	3920.0	3925.8	3927.6	3929.5	3931.6	3933.4	3833.4
60°	3973.1	4113.3	4101.8	4090.5	4078.9	4067.6	4050.3	4033.0	4015.6	3998.3	3933.7
62.5°	4019.8	4126.4	4108.6	4091.0	4073.1	4055.5	4040.8	4026.4	4011.7	3997.0	3955.7
65°	3918.7	3961.8	3943.4	3925.0	3906.4	3888.0	3878.5	3869.3	3859.9	3850.4	3845.2
67.5°	3396.1	3373.3	3395.1	3416.9	3438.7	3460.5	3490.1	3519.8	3549.7	3579.4	3562.1
70°	2712.0	2654.0	2678.1	2702.0	2726.2	2750.1	2795.0	2839.9	2885.1	2930.0	2917.9
72.5°	2071.0	1997.4	2000.9	2004.3	2007.9	2011.4	2010.0	2009.0	2007.7	2006.4	2027.4
75°	1528.9	1458.3	1424.9	1391.6	1358.2	1324.9	1316.7	1308.6	1300.5	1292.3	1331.5
77.5°	1099.6	1050.7	1027.9	1005.3	982.4	959.9	971.4	983.0	994.8	1006.3	1020.0
80°	898.7	909.4	891.8	874.5	856.9	839.3	852.4	865.3	878.4	891.6	850.9
82.5°	586.4	602.4	548.3	494.2	440.1	386.0	418.9	451.7	484.8	517.6	500.8
85°	228.2	203.3	173.3	143.6	113.7	83.8	109.0	134.2	159.4	184.6	201.4
87.5°	14.7	11.6	9.2	6.8	4.2	1.8	3.9	6.0	8.4	10.5	17.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367249
 CATALOG NUMBER: MSA-SA2A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367249

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

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2
2.5°	700.1	691.5	683.1	666.5	650.0	633.4	616.9	640.0	663.1	686.2	709.3
5°	939.9	933.9	928.1	929.7	931.2	933.1	934.6	938.1	941.5	944.6	948.0
7.5°	1078.0	1077.5	1077.0	1064.9	1052.8	1040.5	1028.4	1034.4	1040.5	1046.5	1052.6
10°	1155.2	1150.2	1145.3	1118.7	1092.2	1065.4	1038.9	1027.3	1015.5	1004.0	992.4
12.5°	1253.2	1236.6	1220.4	1192.0	1163.9	1135.5	1107.2	1096.7	1085.9	1075.4	1064.6
15°	1295.2	1292.6	1290.2	1270.0	1249.5	1229.3	1208.8	1172.8	1136.6	1100.6	1064.6
17.5°	1242.7	1236.1	1229.8	1261.9	1293.6	1325.7	1357.7	1320.4	1283.1	1245.8	1208.5
20°	1212.5	1207.5	1202.5	1262.1	1321.5	1381.1	1440.4	1423.9	1407.1	1390.5	1374.0
22.5°	1211.2	1234.0	1256.6	1308.9	1360.9	1413.1	1465.1	1493.7	1522.6	1551.3	1579.9
25°	1230.3	1263.2	1295.7	1382.4	1469.1	1556.0	1642.6	1675.5	1708.0	1740.9	1773.4
27.5°	1293.4	1346.2	1398.7	1474.3	1549.9	1625.8	1701.5	1773.2	1845.1	1916.8	1988.5
30°	1348.3	1405.5	1462.8	1552.8	1642.6	1732.7	1822.5	1912.4	2002.2	2092.0	2181.8
32.5°	1380.0	1460.9	1541.5	1651.1	1760.3	1869.8	1979.3	2077.8	2176.3	2274.5	2373.0
35°	1513.4	1586.2	1658.7	1779.7	1900.8	2022.1	2143.2	2265.0	2386.9	2508.5	2630.3
37.5°	1620.9	1701.2	1781.3	1913.7	2045.8	2178.1	2310.5	2478.8	2647.4	2815.7	2984.1
40°	1761.1	1831.2	1901.3	2025.3	2149.0	2272.9	2396.9	2610.4	2823.9	3037.1	3250.6
42.5°	1942.0	2008.5	2074.9	2207.5	2340.1	2472.8	2605.4	2841.7	3078.1	3314.2	3550.5
45°	2181.8	2249.5	2317.0	2422.6	2528.2	2633.8	2739.3	2990.6	3241.7	3493.0	3744.1
47.5°	2530.8	2531.1	2531.3	2607.5	2683.6	2760.1	2836.2	3089.4	3342.3	3595.4	3848.3
50°	2792.6	2784.2	2776.1	2815.5	2854.6	2894.0	2933.4	3166.3	3399.5	3632.5	3865.4
52.5°	3167.4	3094.1	3021.1	3044.5	3067.6	3091.0	3114.1	3311.3	3508.8	3706.0	3903.2
55°	3477.3	3403.2	3329.2	3320.5	3311.8	3303.2	3294.5	3476.0	3657.4	3838.9	4020.4
57.5°	3733.6	3633.5	3533.7	3513.8	3494.1	3474.1	3454.2	3645.6	3836.8	4028.2	4219.4
60°	3869.3	3804.7	3740.1	3727.3	3714.1	3701.3	3688.1	3845.2	4002.2	4159.3	4316.3
62.5°	3914.8	3873.6	3832.6	3856.7	3880.9	3905.3	3929.5	3998.6	4067.4	4136.4	4205.2
65°	3840.2	3834.9	3829.7	3879.3	3928.7	3978.3	4028.0	4010.9	3993.6	3976.5	3959.4
67.5°	3545.0	3527.7	3510.6	3619.6	3728.3	3837.3	3946.3	3863.6	3780.6	3697.9	3615.1
70°	2905.8	2893.5	2881.4	3038.4	3195.5	3352.8	3509.8	3409.5	3309.2	3208.9	3108.6
72.5°	2048.1	2069.1	2090.1	2275.3	2460.2	2645.3	2830.2	2729.1	2628.0	2526.9	2425.8
75°	1370.3	1409.4	1448.6	1639.2	1829.9	2020.8	2211.5	2092.8	1974.1	1855.4	1736.7
77.5°	1033.6	1047.3	1061.0	1181.5	1302.0	1422.8	1543.4	1445.4	1347.2	1249.3	1151.0
80°	810.2	769.2	728.5	768.1	807.8	847.5	887.1	828.5	770.0	711.7	653.1
82.5°	484.0	467.2	450.4	471.9	493.2	514.7	536.3	511.0	485.6	460.4	434.9
85°	218.0	234.8	251.3	273.1	294.7	316.4	338.2	303.1	267.9	232.7	197.5
87.5°	24.4	31.5	38.6	47.8	57.0	66.2	75.4	58.8	42.0	25.5	8.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367249
 CATALOG NUMBER: MSA-SA2A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P367249
 CATALOG NUMBER: MSA-SA2A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	555.2	555.2
2.5°	722.7	736.1
5°	947.8	947.2
7.5°	1036.8	1020.8
10°	977.7	963.0
12.5°	1027.1	989.5
15°	1036.3	1007.9
17.5°	1162.3	1115.8
20°	1314.4	1254.5
22.5°	1497.9	1415.7
25°	1675.7	1578.0
27.5°	1929.9	1871.1
30°	2122.4	2062.8
32.5°	2332.5	2292.1
35°	2590.2	2549.7
37.5°	2994.6	3004.8
40°	3256.9	3263.2
42.5°	3575.0	3599.4
45°	3771.4	3798.7
47.5°	3886.4	3924.5
50°	3926.9	3988.3
52.5°	3979.1	4054.8
55°	4104.7	4188.9
57.5°	4286.6	4353.9
60°	4319.5	4322.6
62.5°	4156.6	4108.1
65°	3907.7	3856.0
67.5°	3583.9	3552.4
70°	3067.1	3025.6
72.5°	2348.6	2271.3
75°	1641.1	1545.5
77.5°	1100.9	1050.7
80°	654.7	656.0
82.5°	447.0	458.8
85°	195.1	192.5
87.5°	6.3	3.4
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0



REPORT NUMBER: P367249
CATALOG NUMBER: MSA-SA2A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)