

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: P367777

Luminaire Tested: **MSA-SA3A-830-U-SLR-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367777
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-SA3A-830-U-SLR-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) 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: 6800 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

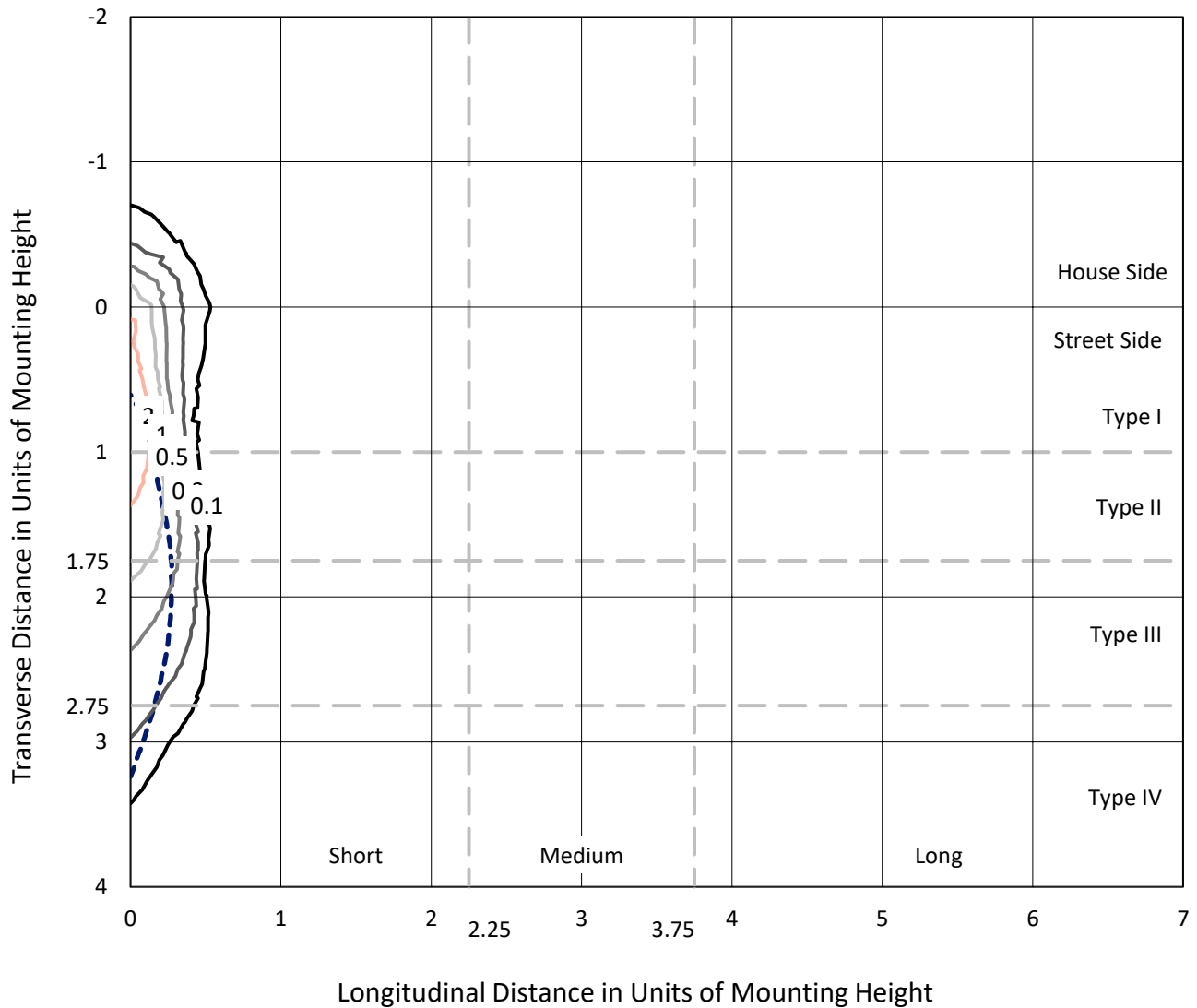
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

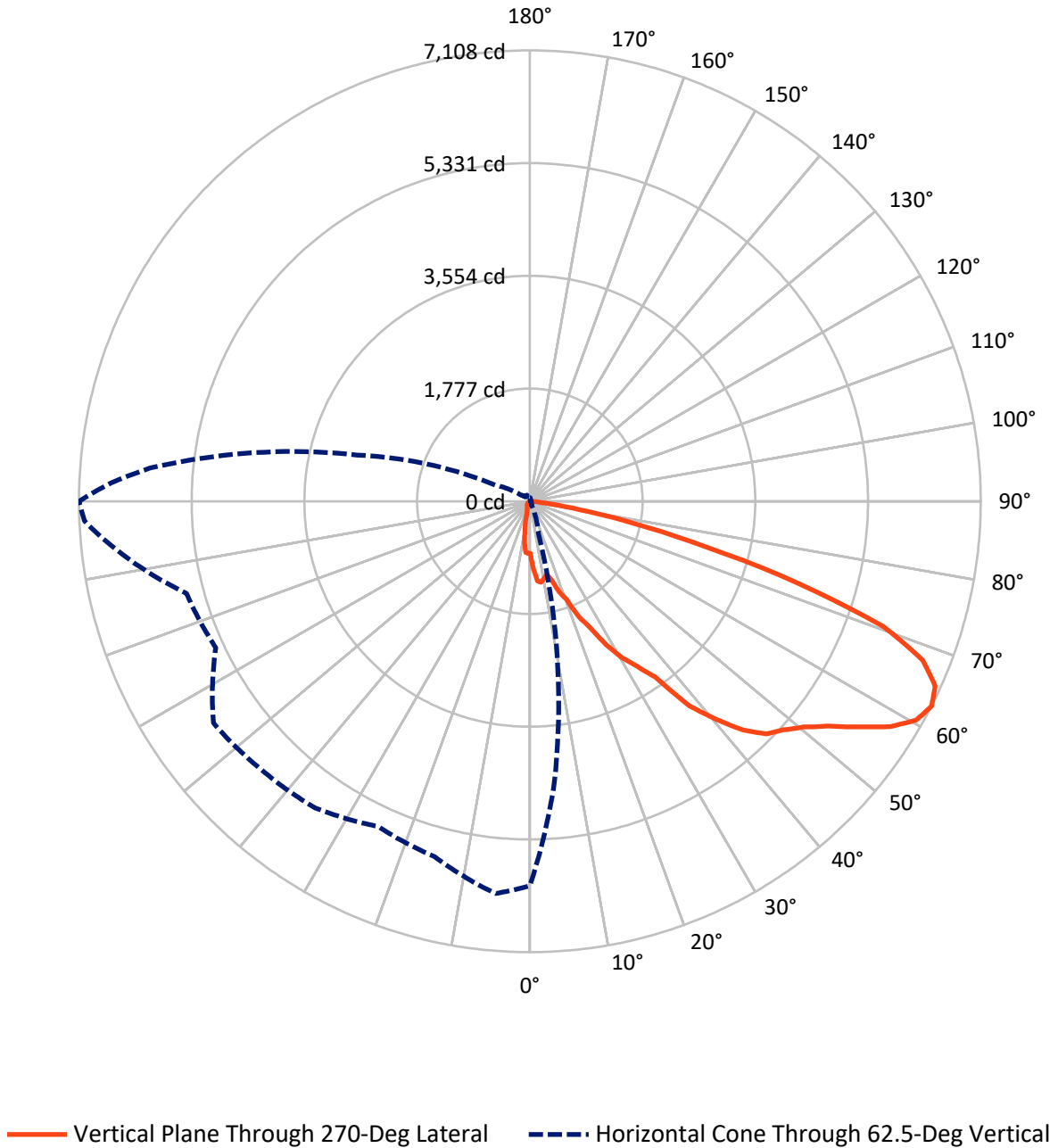
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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	1135.5	0.0	1135.5
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	5664.5	0.0	5664.5
	% Fixture	83.3	0.0	83.3
Total	Lumens	6800.0	0.0	6800.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	1.3
10°-20°	239.2	3.5
20°-30°	386.6	5.7
30°-40°	647.4	9.5
40°-50°	1058.4	15.6
50°-60°	1566.8	23.0
60°-70°	1798.7	26.5
70°-80°	889.3	13.1
80°-90°	122.2	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°	6800.0	100.0
0°-180°	6800.0	100.0

Coefficient of Utilization



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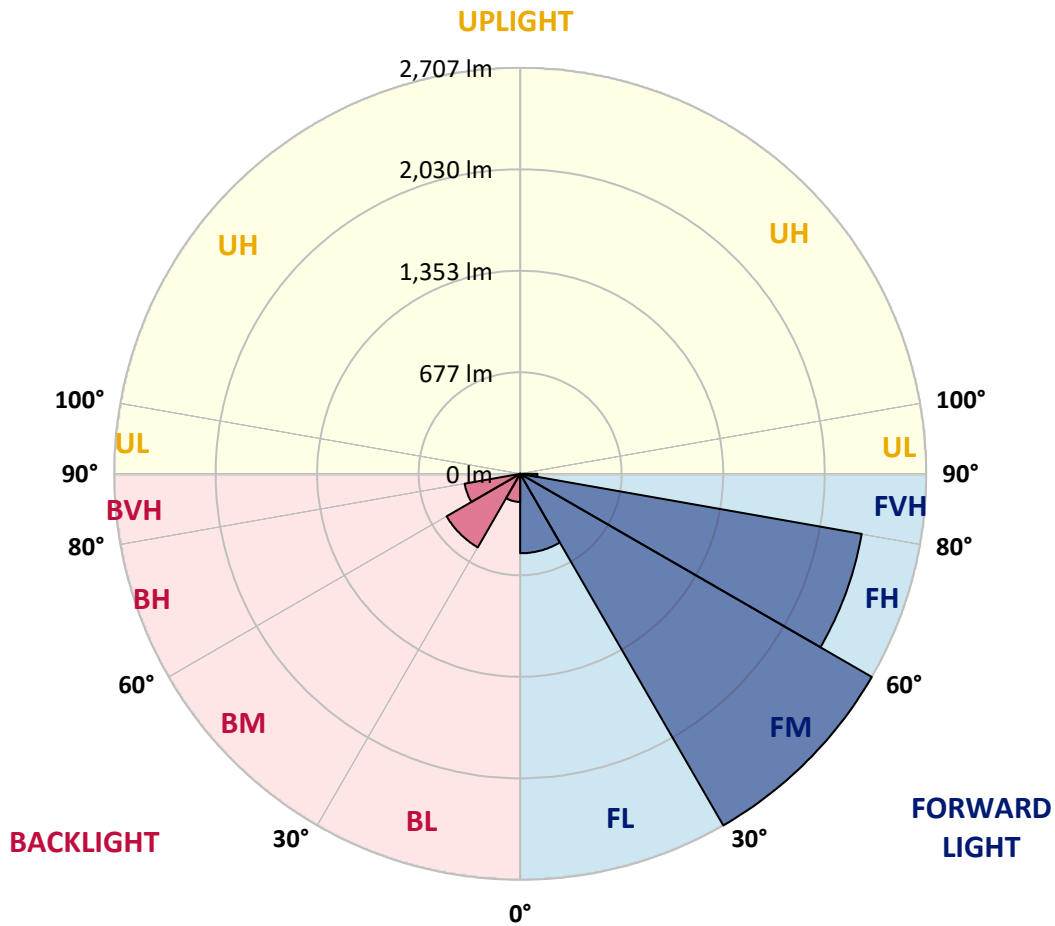
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	529.8	7.8			
FM (30°-60°)	2706.7	39.8			
FH (60°-80°)	2312.3	34.0			G2/5000
FVH (80°-90°)	115.7	1.7			G2/225
BL (0°-30°)	187.5	2.8	B1/500		
BM (30°-60°)	565.8	8.3	B1/1000		
BH (60°-80°)	375.7	5.5	B1/500		G1/500
BVH (80°-90°)	6.5	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-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°	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4
2.5°	1086.5	1100.1	1113.2	1088.1	1062.9	1037.7	1012.5	990.0	967.5	944.6	922.2
5°	1398.2	1373.3	1348.5	1314.4	1280.3	1246.2	1212.1	1196.2	1180.3	1164.4	1148.5
7.5°	1506.7	1462.5	1417.9	1387.7	1357.8	1327.6	1297.4	1249.7	1201.6	1153.9	1105.9
10°	1421.4	1374.5	1327.2	1300.9	1274.5	1248.1	1221.8	1162.5	1102.8	1043.5	983.8
12.5°	1460.6	1409.8	1359.0	1304.7	1250.5	1196.2	1141.9	1096.6	1050.8	1005.5	959.8
15°	1487.7	1429.5	1371.0	1309.0	1247.0	1185.0	1122.9	1069.4	1016.3	962.9	909.4
17.5°	1647.0	1563.7	1480.3	1385.0	1289.6	1194.3	1098.9	1036.9	975.3	913.2	851.2
20°	1851.7	1733.4	1614.8	1485.8	1356.7	1227.6	1098.5	1021.4	944.2	867.1	790.0
22.5°	2089.7	1942.0	1793.9	1634.6	1475.7	1316.4	1157.1	1046.2	935.3	824.5	713.6
25°	2329.2	2195.9	2062.5	1848.2	1633.8	1419.1	1204.7	1064.0	922.9	782.2	641.1
27.5°	2761.8	2523.4	2285.0	2012.1	1739.6	1466.8	1193.9	1032.6	871.4	709.7	548.5
30°	3044.8	2861.4	2677.7	2317.2	1957.1	1596.6	1236.1	1031.8	827.6	622.9	418.6
32.5°	3383.2	3114.9	2846.3	2455.2	2064.1	1673.0	1281.9	1041.9	801.6	561.7	321.3
35°	3763.4	3471.5	3179.7	2684.3	2188.9	1693.1	1197.8	965.2	732.6	500.0	267.5
37.5°	4435.2	3946.8	3458.4	2880.8	2302.9	1725.3	1147.4	915.2	682.6	450.4	217.8
40°	4816.6	4350.3	3884.0	3162.2	2440.5	1718.7	997.0	790.7	584.9	378.7	172.5
42.5°	5312.7	4721.2	4129.3	3322.7	2516.1	1709.4	902.8	712.1	521.4	330.3	139.5
45°	5606.9	4936.7	4266.5	3392.5	2518.4	1644.3	770.2	605.1	440.0	274.8	109.7
47.5°	5792.6	5120.5	4448.3	3509.9	2571.9	1633.4	695.0	543.1	391.1	239.2	87.2
50°	5886.8	5212.7	4538.3	3573.9	2609.5	1644.7	680.3	529.1	377.5	226.4	74.8
52.5°	5984.9	5334.8	4684.4	3684.7	2685.1	1685.4	685.7	531.4	377.5	223.3	69.0
55°	6183.0	5541.8	4900.3	3843.7	2787.0	1730.3	673.7	521.7	369.8	217.5	65.5
57.5°	6426.4	5741.1	5055.4	3959.9	2864.5	1769.1	673.7	521.0	368.2	215.1	62.4
60°	6380.2	5636.4	4892.2	3829.3	2766.5	1703.2	640.4	495.0	350.0	204.7	59.3
62.5°	6063.6	5256.1	4448.3	3466.1	2483.5	1501.3	518.6	402.7	286.8	170.6	54.7
65°	5691.4	4834.4	3977.0	3073.1	2168.7	1264.8	360.5	283.0	205.1	127.5	49.6
67.5°	5243.4	4329.3	3415.3	2611.4	1807.9	1003.9	200.0	161.3	122.5	83.3	44.6
70°	4465.8	3522.3	2578.5	1960.6	1343.1	725.2	107.4	90.7	74.0	57.4	40.7
72.5°	3352.5	2488.1	1623.7	1233.4	843.5	453.1	62.8	56.6	50.0	43.8	37.2
75°	2281.2	1633.4	985.7	750.4	515.5	280.3	45.0	41.9	38.4	35.3	31.8
77.5°	1550.9	1121.8	692.7	528.7	364.8	200.8	36.8	34.9	32.9	30.6	28.7
80°	968.3	662.8	357.4	275.2	192.6	110.5	27.9	26.7	25.6	24.0	22.9
82.5°	677.2	405.1	133.0	103.9	74.8	45.4	16.3	16.7	17.1	17.1	17.4
85°	284.1	153.5	22.9	19.4	15.9	12.4	8.9	9.7	10.9	11.6	12.4
87.5°	5.0	2.7	0.0	0.8	1.9	2.7	3.5	4.7	5.4	6.6	7.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4
2.5°	928.0	933.8	939.2	945.0	940.4	936.1	931.5	926.8	919.8	913.2	906.3
5°	1129.1	1109.8	1090.4	1071.0	1041.5	1012.1	982.2	952.8	949.3	945.8	941.9
7.5°	1060.5	1015.2	969.4	924.1	881.5	838.8	796.2	753.5	740.4	727.6	714.4
10°	948.9	914.0	878.7	843.9	813.2	782.2	751.6	720.6	688.4	656.2	623.7
12.5°	923.3	886.9	850.1	813.6	785.7	757.8	729.9	702.0	665.9	629.9	593.8
15°	869.8	830.3	790.7	751.2	714.0	676.8	639.2	602.0	558.6	515.1	471.7
17.5°	804.3	757.8	710.9	664.0	615.2	566.3	517.5	468.6	418.6	369.0	319.0
20°	726.4	662.8	598.9	535.3	474.8	414.4	353.5	293.0	261.6	230.6	199.2
22.5°	631.4	548.9	466.7	384.1	334.5	284.5	234.9	184.9	171.3	157.8	144.2
25°	547.7	454.3	360.9	267.5	236.1	204.7	173.3	141.9	135.7	129.1	122.9
27.5°	460.5	372.9	284.9	196.9	179.1	160.9	143.0	124.8	120.6	116.7	112.4
30°	353.1	287.6	221.7	156.2	144.6	133.0	120.9	109.3	107.4	105.0	103.1
32.5°	273.7	225.6	177.9	129.9	123.3	116.7	110.1	103.5	100.4	97.3	93.8
35°	228.7	190.3	151.6	112.8	108.1	103.1	98.5	93.4	90.3	86.8	83.7
37.5°	189.5	161.6	133.3	105.0	100.0	95.0	89.5	84.5	82.2	79.9	77.5
40°	156.2	139.9	123.7	107.4	100.0	92.6	85.3	77.9	76.0	74.0	72.1
42.5°	129.1	118.6	107.8	97.3	91.9	86.8	81.4	76.0	73.3	70.2	67.4
45°	104.3	98.5	93.0	87.2	87.6	88.0	88.0	88.4	81.4	74.0	67.1
47.5°	84.5	81.8	78.7	76.0	79.1	82.2	84.9	88.0	80.6	73.3	65.5
50°	72.5	70.5	68.2	65.9	69.0	72.5	75.6	78.7	75.6	72.9	69.8
52.5°	66.3	63.6	60.9	58.1	59.3	60.9	62.0	63.2	63.2	63.2	63.2
55°	62.4	59.7	56.6	53.5	52.3	50.8	49.6	48.1	46.1	44.6	42.6
57.5°	59.3	56.2	52.7	49.6	47.7	45.4	43.4	41.1	39.1	36.8	34.9
60°	56.2	53.1	49.6	46.5	44.6	42.6	40.3	38.4	36.0	34.1	31.8
62.5°	51.9	49.2	46.5	43.8	41.9	40.3	38.4	36.4	34.1	31.8	29.1
65°	47.3	45.4	43.0	40.7	38.8	36.8	34.9	32.9	30.6	28.7	26.4
67.5°	43.0	41.1	39.5	37.6	35.3	33.3	31.0	28.7	27.1	25.6	23.6
70°	39.5	38.0	36.8	35.3	32.9	31.0	28.7	26.4	25.2	23.6	22.5
72.5°	36.0	34.9	33.3	32.2	30.2	28.3	26.4	24.4	23.3	22.1	20.9
75°	31.0	30.2	29.5	28.7	26.7	24.8	22.5	20.5	20.2	19.8	19.4
77.5°	27.9	27.5	26.7	26.0	24.0	22.1	20.2	18.2	18.6	19.0	19.0
80°	22.9	22.9	22.5	22.5	20.9	19.4	17.4	15.9	16.7	17.8	18.6
82.5°	17.4	17.4	17.4	17.4	15.9	14.3	12.8	11.2	12.4	13.2	14.3
85°	12.0	11.6	11.2	10.9	9.7	8.9	7.8	6.6	8.1	9.3	10.9
87.5°	7.4	7.8	7.8	7.8	7.0	5.8	5.0	3.9	4.7	5.0	5.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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: P367777
 CATALOG NUMBER: MSA-SA3A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4
2.5°	899.3	887.7	876.0	864.0	852.4	825.2	798.1	771.0	743.8	764.0	783.8
5°	938.4	915.9	893.1	870.6	847.7	837.7	828.0	817.9	807.8	809.4	811.3
7.5°	701.2	686.5	671.7	656.6	641.9	638.8	636.1	633.0	629.9	636.5	642.7
10°	591.5	571.0	550.0	529.5	508.6	497.3	486.1	474.8	463.6	462.4	460.9
12.5°	557.8	526.4	495.4	464.0	432.6	408.2	383.7	359.3	334.9	336.8	338.8
15°	428.3	396.9	365.9	334.5	303.1	283.4	263.2	243.4	223.3	217.5	211.6
17.5°	269.0	245.8	222.5	198.8	175.6	169.0	162.8	156.2	149.6	147.7	145.7
20°	167.8	157.8	147.7	137.2	127.1	125.6	124.0	122.5	120.9	122.1	123.3
22.5°	130.6	126.4	121.7	117.4	112.8	111.2	109.7	108.1	106.6	107.8	108.5
25°	116.3	113.2	110.1	107.0	103.9	102.3	100.4	98.8	96.9	97.7	98.8
27.5°	108.1	105.4	102.7	100.0	97.3	94.6	92.3	89.5	86.8	88.4	89.5
30°	100.8	97.7	95.0	91.9	88.8	86.1	83.3	80.2	77.5	79.1	80.6
32.5°	90.7	88.0	84.9	82.2	79.1	77.5	76.0	74.0	72.5	73.6	74.4
35°	80.2	77.9	76.0	73.6	71.3	69.8	68.6	67.1	65.5	65.9	66.7
37.5°	75.2	72.5	69.8	67.1	64.3	63.6	62.8	61.6	60.9	60.9	60.9
40°	70.2	67.4	64.7	61.6	58.9	57.8	56.6	55.4	54.3	54.3	54.3
42.5°	64.3	61.6	58.9	56.2	53.5	52.3	50.8	49.6	48.1	48.1	48.1
45°	59.7	57.0	54.7	51.9	49.2	47.3	45.4	43.0	41.1	40.7	40.3
47.5°	58.1	54.3	50.4	46.5	42.6	40.7	38.8	36.4	34.5	34.1	33.7
50°	66.7	58.9	51.2	43.4	35.7	34.1	32.6	31.0	29.5	28.7	28.3
52.5°	63.2	55.0	46.9	38.8	30.6	29.5	28.3	27.1	26.0	25.2	24.4
55°	40.7	37.2	34.1	30.6	27.1	26.4	25.6	24.4	23.6	22.9	22.1
57.5°	32.6	30.6	29.1	27.1	25.2	24.4	23.6	22.5	21.7	20.5	19.8
60°	29.5	27.9	26.4	24.8	23.3	22.5	21.7	20.9	20.2	19.0	18.2
62.5°	26.7	25.6	24.4	23.3	22.1	21.3	20.5	19.8	19.0	17.8	16.7
65°	24.0	23.3	22.5	21.7	20.9	20.2	19.4	18.2	17.4	16.3	15.1
67.5°	22.1	21.7	21.3	20.9	20.5	19.8	18.6	17.8	16.7	15.5	14.0
70°	20.9	20.9	20.9	20.5	20.5	19.8	18.6	17.8	16.7	15.1	14.0
72.5°	19.8	20.2	20.5	20.5	20.9	19.8	18.6	17.4	16.3	14.7	13.6
75°	19.0	19.4	19.8	19.8	20.2	19.4	18.6	17.4	16.7	15.1	13.6
77.5°	19.4	19.8	19.8	20.2	20.2	19.4	18.6	17.4	16.7	14.7	12.8
80°	19.4	19.0	18.6	17.8	17.4	15.9	14.3	12.4	10.9	8.5	6.6
82.5°	15.1	14.3	14.0	13.2	12.4	10.9	9.3	7.8	6.2	4.7	3.1
85°	12.0	11.2	10.9	10.1	9.3	8.1	6.6	5.4	3.9	3.1	1.9
87.5°	6.2	5.8	5.0	4.7	3.9	3.1	1.9	1.2	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: P367777
 CATALOG NUMBER: MSA-SA3A-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: P367777
 CATALOG NUMBER: MSA-SA3A-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°	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4
2.5°	803.9	823.7	821.0	818.3	831.1	843.9	834.5	825.6	816.3	807.0	787.6
5°	812.8	814.4	811.7	808.6	809.0	809.4	803.2	796.9	790.7	784.5	783.4
7.5°	649.3	655.5	664.0	672.1	672.5	672.5	667.9	663.2	658.2	653.5	655.9
10°	459.7	458.2	460.5	462.8	462.4	461.7	474.1	486.5	498.5	510.9	502.0
12.5°	340.3	342.3	332.6	322.9	326.4	329.5	331.4	333.4	335.3	337.2	342.7
15°	205.8	200.0	193.0	186.1	189.5	192.6	196.1	199.2	202.7	205.8	209.3
17.5°	143.4	141.5	138.4	134.9	135.3	135.7	136.1	136.4	136.4	136.8	137.6
20°	124.4	125.6	123.3	120.6	119.8	118.6	117.8	117.1	115.9	115.1	114.0
22.5°	109.7	110.5	110.9	110.9	109.3	107.4	105.8	104.7	103.1	101.6	100.8
25°	99.6	100.4	99.6	98.5	97.7	96.9	96.1	95.0	94.2	93.0	92.6
27.5°	91.1	92.3	92.3	91.9	91.1	89.9	88.0	86.4	84.5	82.6	83.0
30°	82.2	83.7	83.7	83.3	83.0	82.6	80.6	78.7	76.7	74.8	75.6
32.5°	75.6	76.4	76.0	75.6	75.6	75.2	73.6	72.5	70.9	69.4	69.4
35°	67.1	67.4	67.4	67.4	67.4	67.1	65.9	64.7	63.6	62.4	62.8
37.5°	60.9	60.9	62.0	62.8	62.0	61.2	60.5	59.3	58.5	57.4	57.4
40°	53.9	53.9	55.0	55.8	55.0	54.3	53.9	53.1	52.7	51.9	51.9
42.5°	47.7	47.7	48.8	49.6	49.6	49.2	48.5	47.7	46.9	46.1	46.5
45°	39.9	39.5	41.5	43.0	42.3	41.5	41.5	41.1	41.1	40.7	41.1
47.5°	32.9	32.6	34.1	35.7	35.3	34.5	34.5	34.5	34.5	34.5	34.9
50°	27.5	26.7	28.3	29.5	29.1	28.3	28.3	28.7	28.7	28.7	29.1
52.5°	23.6	22.9	24.0	24.8	24.4	24.0	24.0	24.4	24.4	24.4	24.8
55°	20.9	20.2	21.3	22.1	21.7	20.9	21.3	21.3	21.7	21.7	21.7
57.5°	18.6	17.4	18.2	19.0	19.0	18.6	19.0	19.0	19.4	19.4	19.4
60°	17.1	15.9	16.7	17.1	17.1	16.7	17.1	17.1	17.4	17.4	17.4
62.5°	15.1	14.0	14.7	15.1	15.1	14.7	15.1	15.1	15.5	15.5	15.5
65°	13.6	12.4	12.8	13.2	13.2	13.2	13.6	13.6	14.0	14.0	14.0
67.5°	12.8	11.2	11.6	12.0	12.0	12.0	12.4	12.4	12.8	12.8	13.2
70°	12.4	10.9	11.2	11.2	11.6	11.6	11.6	12.0	12.0	12.0	12.0
72.5°	12.0	10.5	10.5	10.5	10.9	10.9	10.9	11.2	11.2	11.2	11.2
75°	12.0	10.5	10.1	9.7	10.1	10.1	10.1	10.5	10.5	10.5	10.5
77.5°	10.5	8.5	7.8	6.6	7.8	8.5	8.9	8.9	9.3	9.3	9.3
80°	4.3	1.9	1.2	0.0	0.4	0.8	1.2	1.6	1.9	2.3	2.7
82.5°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.2	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: P367777
 CATALOG NUMBER: MSA-SA3A-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: P367777
 CATALOG NUMBER: MSA-SA3A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4
2.5°	768.3	748.9	729.5	738.8	748.1	757.4	766.7	765.9	764.8	764.0	762.8
5°	782.6	781.4	780.3	774.9	769.8	764.4	759.0	757.8	756.2	755.1	753.5
7.5°	658.2	660.1	662.4	656.2	650.0	643.8	637.6	621.7	605.9	589.6	573.7
10°	493.1	483.8	474.8	474.1	473.3	472.5	471.7	470.2	468.6	466.7	465.1
12.5°	348.5	353.9	359.3	357.4	355.4	353.1	351.2	353.9	357.0	359.7	362.4
15°	212.4	215.9	219.0	226.0	233.0	239.9	246.9	249.6	252.7	255.4	258.2
17.5°	138.4	138.8	139.5	147.3	154.7	162.4	169.8	174.8	179.9	184.5	189.5
20°	112.8	111.6	110.5	114.7	119.0	123.3	127.5	132.2	136.8	141.5	146.1
22.5°	100.4	99.6	98.8	100.4	101.9	103.1	104.7	108.1	112.0	115.5	119.0
25°	92.3	91.5	91.1	91.9	92.6	93.4	94.2	96.1	98.1	100.0	101.9
27.5°	83.0	83.3	83.3	84.1	84.5	85.3	85.7	86.4	87.6	88.4	89.2
30°	76.0	76.7	77.1	77.9	78.3	79.1	79.5	79.1	78.7	78.3	77.9
32.5°	69.4	69.0	69.0	69.8	70.2	70.9	71.3	72.1	72.9	73.3	74.0
35°	62.8	63.2	63.2	63.2	63.6	63.6	63.6	64.3	65.5	66.3	67.1
37.5°	57.0	57.0	56.6	57.8	58.5	59.7	60.5	61.2	62.4	63.2	64.0
40°	51.9	51.9	51.9	52.7	53.5	53.9	54.7	56.6	58.5	60.5	62.4
42.5°	46.5	46.9	46.9	47.7	48.5	48.8	49.6	51.2	52.3	53.9	55.0
45°	41.5	41.9	42.3	43.0	43.4	44.2	44.6	45.4	45.7	46.5	46.9
47.5°	35.7	36.0	36.4	37.2	37.6	38.4	38.8	38.4	38.4	38.0	37.6
50°	29.8	30.2	30.6	31.8	32.6	33.7	34.5	33.7	32.9	31.8	31.0
52.5°	25.2	25.2	25.6	26.4	27.1	27.5	28.3	27.9	27.5	27.1	26.7
55°	21.7	21.7	21.7	22.1	22.5	22.9	23.3	23.6	23.6	24.0	24.0
57.5°	19.4	19.0	19.0	19.4	19.8	19.8	20.2	20.5	20.5	20.9	20.9
60°	17.4	17.1	17.1	17.4	17.8	18.2	18.6	18.6	18.6	18.2	18.2
62.5°	15.5	15.5	15.5	15.9	15.9	16.3	16.3	16.3	16.7	16.7	16.7
65°	14.3	14.3	14.3	14.3	14.3	14.0	14.0	14.3	14.3	14.7	14.7
67.5°	13.2	13.6	13.6	13.2	12.8	12.4	12.0	12.4	12.4	12.8	12.8
70°	12.0	12.0	12.0	11.6	11.2	10.9	10.5	10.5	10.5	10.1	10.1
72.5°	11.2	10.9	10.9	10.5	9.7	9.3	8.5	8.1	8.1	7.8	7.4
75°	10.5	10.1	10.1	9.3	8.5	7.8	7.0	6.6	5.8	5.4	4.7
77.5°	9.3	9.3	9.3	8.1	7.4	6.2	5.0	4.3	3.5	2.3	1.6
80°	3.1	3.5	3.9	3.5	3.5	3.1	2.7	1.9	1.6	0.8	0.0
82.5°	0.4	0.4	0.4	0.4	0.4	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: P367777
 CATALOG NUMBER: MSA-SA3A-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: P367777
 CATALOG NUMBER: MSA-SA3A-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°	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4
2.5°	767.1	771.4	775.6	779.9	780.3	780.7	781.1	781.4	771.8	761.7	752.0
5°	761.3	769.4	777.2	784.9	780.7	776.4	772.1	767.9	767.5	767.5	767.1
7.5°	574.8	575.6	576.8	577.6	579.1	580.7	581.8	583.4	589.6	595.8	601.6
10°	460.1	455.1	449.6	444.6	440.7	436.5	432.6	428.3	431.4	434.9	438.0
12.5°	358.2	353.9	349.2	345.0	343.4	341.9	339.9	338.4	348.5	358.5	368.2
15°	257.4	256.6	255.4	254.7	259.7	264.7	269.8	274.8	283.4	291.5	300.0
17.5°	191.5	193.4	195.4	197.3	200.4	203.5	206.2	209.3	215.5	222.1	228.3
20°	148.5	151.2	153.5	155.8	155.0	154.3	153.1	152.3	157.4	162.4	167.1
22.5°	121.3	123.3	125.6	127.5	127.9	128.3	128.7	129.1	132.2	134.9	138.0
25°	103.9	106.2	108.1	110.1	110.5	110.9	111.2	111.6	115.5	119.4	122.9
27.5°	91.9	94.2	96.9	99.2	100.0	100.8	101.6	102.3	104.7	106.6	108.9
30°	81.0	84.1	87.2	90.3	91.5	92.6	93.8	95.0	97.3	100.0	102.3
32.5°	75.6	77.5	79.1	80.6	83.3	85.7	88.4	90.7	93.4	96.5	99.2
35°	69.4	71.3	73.6	75.6	77.5	79.5	81.0	83.0	84.5	86.1	87.2
37.5°	65.5	67.4	69.0	70.5	71.3	72.1	72.5	73.3	74.0	74.8	75.2
40°	62.4	62.0	62.0	61.6	62.4	63.6	64.3	65.1	67.4	69.4	71.7
42.5°	54.3	53.1	52.3	51.2	53.1	54.7	56.6	58.1	61.2	64.3	67.4
45°	46.1	45.4	44.2	43.4	46.1	48.8	51.6	54.3	57.8	60.9	64.3
47.5°	38.0	38.4	38.4	38.8	41.5	44.2	46.5	49.2	52.7	56.2	59.7
50°	31.8	32.6	33.3	34.1	36.8	39.1	41.9	44.2	48.1	51.6	55.4
52.5°	27.9	29.1	29.8	31.0	33.3	36.0	38.4	40.7	44.2	47.7	51.2
55°	25.2	26.7	27.9	29.1	31.0	32.9	34.9	36.8	40.3	43.8	46.9
57.5°	22.1	23.3	24.4	25.6	27.5	29.5	31.0	32.9	36.0	39.5	42.6
60°	19.4	20.2	21.3	22.1	23.6	25.6	27.1	28.7	31.8	34.9	37.6
62.5°	17.1	17.8	18.2	18.6	20.2	21.7	23.3	24.8	27.5	30.6	33.3
65°	15.1	15.5	15.5	15.9	17.1	18.6	19.8	20.9	24.0	26.7	29.8
67.5°	12.8	13.2	13.2	13.2	14.3	15.5	16.7	17.8	20.5	23.6	26.4
70°	10.1	10.5	10.5	10.5	11.6	13.2	14.3	15.5	17.8	20.2	22.5
72.5°	7.8	7.8	8.1	8.1	9.3	10.9	12.0	13.2	15.1	17.1	19.0
75°	5.0	5.4	5.4	5.8	7.0	8.5	9.7	10.9	12.8	14.7	16.3
77.5°	1.9	2.7	3.1	3.5	4.7	5.8	7.0	8.1	9.7	11.6	13.2
80°	0.0	0.4	0.4	0.4	1.2	1.6	2.3	2.7	3.9	5.4	6.6
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: P367777
 CATALOG NUMBER: MSA-SA3A-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: P367777
 CATALOG NUMBER: MSA-SA3A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4
2.5°	741.9	763.2	784.5	805.9	827.2	853.5	879.9	883.8	887.7	883.0	878.7
5°	766.7	777.2	787.3	797.7	807.8	838.0	867.9	868.3	868.3	868.7	868.7
7.5°	607.8	616.7	625.6	634.1	643.1	662.8	682.6	690.0	696.9	695.4	693.8
10°	441.1	452.7	464.0	475.6	486.9	505.1	523.3	530.3	536.9	558.2	579.9
12.5°	378.3	389.6	400.8	411.7	422.9	441.5	460.1	473.7	486.9	500.0	513.2
15°	308.2	317.1	326.4	335.3	344.2	352.7	361.3	377.9	394.2	407.4	420.6
17.5°	234.5	238.4	241.9	245.8	249.2	253.1	257.0	264.0	270.6	282.2	293.4
20°	172.1	175.2	178.3	181.0	184.1	188.0	191.9	196.9	201.6	204.3	206.6
22.5°	140.7	145.4	150.0	154.3	158.9	161.6	164.4	165.9	167.5	168.6	169.8
25°	126.8	131.0	134.9	139.2	143.0	144.2	145.4	148.5	151.6	151.6	151.6
27.5°	110.9	116.7	122.9	128.7	134.5	136.1	137.2	138.4	139.2	137.6	135.7
30°	104.7	110.5	116.3	121.7	127.5	129.9	131.8	133.0	134.1	132.2	130.2
32.5°	101.9	107.4	112.4	117.8	122.9	126.0	128.7	131.8	134.5	134.9	135.7
35°	88.8	92.3	96.1	99.6	103.1	104.7	106.2	107.4	108.1	108.1	108.1
37.5°	76.0	80.6	85.7	90.3	95.0	98.5	101.9	102.3	102.3	103.1	104.3
40°	73.6	78.3	83.0	87.2	91.9	95.7	99.2	99.6	100.0	100.8	101.6
42.5°	70.5	75.6	80.6	85.7	90.7	94.6	98.1	98.1	97.7	98.8	99.6
45°	67.4	72.5	77.1	82.2	86.8	91.9	96.5	95.4	93.8	95.7	97.3
47.5°	63.2	68.6	74.0	79.1	84.5	89.2	93.4	92.6	91.5	93.4	95.4
50°	58.9	64.3	69.8	75.2	80.6	85.7	90.3	89.5	88.8	91.1	93.0
52.5°	54.7	60.1	65.9	71.3	76.7	81.0	84.9	84.5	84.1	86.4	89.2
55°	50.4	55.4	60.9	65.9	70.9	75.6	79.9	79.1	78.3	80.2	82.2
57.5°	45.7	50.8	55.4	60.5	65.1	69.0	72.5	71.3	70.2	72.5	74.8
60°	40.7	45.4	50.0	54.3	58.9	62.0	64.7	64.0	62.8	65.1	67.4
62.5°	36.0	40.3	44.6	48.5	52.7	55.0	57.4	56.6	55.8	58.1	60.9
65°	32.6	36.0	39.1	42.6	45.7	48.1	50.4	49.2	48.1	50.8	53.1
67.5°	29.1	31.8	34.9	37.6	40.3	42.3	44.2	43.4	42.3	44.2	46.1
70°	24.8	27.5	30.2	32.6	35.3	37.2	39.1	38.0	36.4	38.4	40.3
72.5°	20.9	23.3	25.6	27.5	29.8	31.4	32.9	31.8	30.6	32.2	33.7
75°	18.2	20.2	22.1	23.6	25.6	26.4	27.1	26.7	26.0	27.5	28.7
77.5°	14.7	16.3	18.2	19.8	21.3	21.3	21.3	21.7	21.7	23.3	25.2
80°	7.8	9.3	10.9	12.0	13.6	13.6	13.2	14.0	14.3	16.3	18.2
82.5°	0.0	1.2	2.3	3.5	4.7	4.3	3.5	3.9	3.9	4.7	5.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8
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: P367777
 CATALOG NUMBER: MSA-SA3A-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: P367777
 CATALOG NUMBER: MSA-SA3A-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°	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4
2.5°	874.1	869.4	866.3	863.6	860.5	857.4	861.3	865.2	868.7	872.5	884.2
5°	869.0	869.0	866.3	863.6	860.9	858.2	864.0	869.4	875.2	880.7	880.3
7.5°	691.9	690.4	706.6	722.5	738.8	754.7	759.0	763.2	767.1	771.4	770.2
10°	601.2	622.5	629.5	636.5	643.5	650.4	659.0	667.5	676.0	684.5	687.6
12.5°	526.4	539.6	562.1	584.1	606.6	628.7	640.0	651.6	662.8	674.1	696.2
15°	433.7	446.9	466.3	485.7	505.1	524.5	542.3	560.5	578.3	596.2	622.9
17.5°	305.1	316.3	331.0	345.8	360.1	374.8	402.4	429.9	457.4	484.9	513.2
20°	209.3	211.6	218.6	226.0	233.0	239.9	264.7	289.9	314.7	339.6	376.8
22.5°	170.6	171.7	175.2	178.7	181.8	185.3	198.1	211.3	224.0	236.8	267.1
25°	151.2	151.2	153.5	155.8	158.1	160.5	167.5	174.4	181.0	188.0	207.4
27.5°	134.1	132.2	135.7	139.2	142.6	146.1	151.2	156.6	161.6	166.7	179.9
30°	128.3	126.4	130.6	134.9	139.2	143.4	148.5	153.5	158.1	163.2	172.1
32.5°	136.1	136.4	138.0	139.5	140.7	142.3	144.6	147.3	149.6	151.9	159.7
35°	108.1	108.1	110.9	113.6	115.9	118.6	122.9	127.1	131.4	135.7	143.8
37.5°	105.0	105.8	108.1	110.9	113.2	115.5	120.9	126.8	132.2	137.6	144.2
40°	101.9	102.7	105.8	108.9	112.0	115.1	120.6	125.6	131.0	136.1	142.3
42.5°	100.8	101.6	105.4	109.7	113.6	117.4	122.1	126.8	131.0	135.7	144.2
45°	99.2	100.8	105.4	110.5	115.1	119.8	124.0	128.3	132.6	136.8	147.3
47.5°	96.9	98.8	104.3	109.3	114.7	119.8	127.9	136.4	144.6	152.7	157.8
50°	95.4	97.3	103.1	108.9	114.7	120.6	133.7	146.9	159.7	172.9	170.2
52.5°	91.5	93.8	101.2	108.5	115.9	123.3	134.9	146.5	158.1	169.8	164.4
55°	84.1	86.1	94.6	103.1	111.2	119.8	128.3	136.8	145.0	153.5	147.3
57.5°	76.7	79.1	87.2	95.4	103.1	111.2	115.5	119.8	124.0	128.3	126.0
60°	69.8	72.1	83.0	93.8	104.7	115.5	111.6	107.8	103.5	99.6	102.3
62.5°	63.2	65.5	76.0	86.1	96.5	106.6	101.2	95.7	90.3	84.9	89.2
65°	55.8	58.1	62.0	66.3	70.2	74.0	73.6	72.9	72.5	71.7	76.4
67.5°	48.1	50.0	51.9	54.3	56.2	58.1	59.3	60.9	62.0	63.2	67.1
70°	41.9	43.8	46.1	48.1	50.4	52.3	53.1	53.9	54.3	55.0	58.5
72.5°	34.9	36.4	39.5	42.6	45.4	48.5	48.8	48.8	49.2	49.2	51.9
75°	30.2	31.4	33.7	36.0	38.0	40.3	41.5	42.6	43.4	44.6	46.1
77.5°	26.7	28.3	29.1	29.5	30.2	30.6	31.4	32.2	32.9	33.7	34.1
80°	19.8	21.7	22.5	22.9	23.6	24.0	24.0	23.6	23.6	23.3	23.6
82.5°	6.2	7.0	8.1	9.3	10.5	11.6	12.0	12.4	12.4	12.8	12.4
85°	1.2	1.6	2.3	3.1	3.5	4.3	3.9	3.1	2.7	1.9	1.6
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: P367777
 CATALOG NUMBER: MSA-SA3A-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: P367777
 CATALOG NUMBER: MSA-SA3A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4
2.5°	895.8	907.0	918.7	914.0	909.4	904.7	900.1	900.8	902.0	902.8	903.5
5°	879.9	879.1	878.7	891.9	905.5	918.7	931.8	946.2	960.9	975.3	989.6
7.5°	769.0	767.5	766.3	783.4	800.4	817.5	834.5	854.3	874.5	894.2	914.0
10°	690.7	693.8	696.9	703.9	711.3	718.3	725.2	744.2	763.2	781.8	800.8
12.5°	718.3	740.0	762.1	766.3	770.2	774.5	778.3	781.1	783.8	786.5	789.2
15°	650.0	676.8	703.5	714.8	725.6	736.9	747.7	776.4	804.7	833.4	861.7
17.5°	541.5	569.4	597.7	631.4	665.2	698.9	732.6	763.6	794.6	825.6	856.6
20°	414.4	451.6	488.8	531.4	574.5	617.1	659.7	690.7	721.4	752.4	783.0
22.5°	297.7	327.9	358.2	409.7	460.9	512.4	563.6	617.5	671.7	725.6	779.5
25°	226.8	245.8	265.1	315.9	366.7	417.1	467.9	541.9	615.9	690.0	764.0
27.5°	192.6	205.8	218.6	264.4	310.1	355.4	401.2	489.2	577.2	665.2	753.1
30°	181.4	190.3	199.2	238.0	277.1	315.9	354.7	443.8	533.0	622.1	711.3
32.5°	167.5	174.8	182.6	216.7	250.8	284.5	318.6	405.8	493.1	579.9	667.1
35°	151.6	159.7	167.5	201.6	235.7	269.4	303.5	393.8	484.1	574.5	664.8
37.5°	150.4	157.0	163.2	202.7	242.7	282.2	321.7	412.0	502.4	592.3	682.6
40°	148.8	155.0	161.3	201.6	241.5	281.8	321.7	416.3	510.9	605.5	700.0
42.5°	152.7	160.9	169.4	205.1	240.7	276.0	311.6	411.3	510.9	610.1	709.7
45°	158.1	168.6	179.1	211.6	244.2	276.8	309.3	417.5	525.6	633.4	741.5
47.5°	163.2	168.2	173.3	204.3	234.9	265.9	296.5	407.0	517.5	627.9	738.4
50°	167.8	165.1	162.4	196.5	230.6	264.4	298.5	403.9	508.9	614.4	719.4
52.5°	158.5	153.1	147.3	183.7	220.2	256.2	292.7	398.9	505.1	611.3	717.5
55°	141.1	134.9	128.7	164.7	200.4	236.4	272.1	377.9	483.8	589.6	695.4
57.5°	123.3	120.9	118.2	145.7	173.3	200.4	227.9	345.4	463.2	580.7	698.1
60°	105.0	107.4	110.1	129.9	149.6	169.0	188.8	303.9	418.6	533.8	648.5
62.5°	93.0	97.3	101.2	117.8	134.9	151.6	168.2	276.8	385.3	493.8	602.4
65°	81.4	86.1	90.7	110.5	130.6	150.4	170.2	262.0	353.9	445.8	537.6
67.5°	70.9	74.4	78.3	104.3	130.2	156.2	182.2	257.4	332.2	407.4	482.2
70°	62.0	65.1	68.6	98.8	129.1	159.3	189.5	253.5	317.8	381.8	445.8
72.5°	54.7	57.4	60.1	90.7	121.3	151.9	182.6	239.6	296.1	353.1	409.7
75°	47.7	48.8	50.4	76.4	101.9	127.9	153.5	191.5	229.9	267.8	305.8
77.5°	34.5	34.5	34.9	42.6	50.0	57.8	65.1	88.8	112.4	135.7	159.3
80°	23.6	24.0	24.0	27.1	29.8	32.9	35.7	40.7	45.4	50.4	55.0
82.5°	12.0	11.2	10.9	14.0	17.1	20.2	23.3	24.4	25.2	26.4	27.1
85°	1.2	0.4	0.0	1.9	3.9	5.8	7.8	9.3	10.9	12.4	14.0
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: P367777
 CATALOG NUMBER: MSA-SA3A-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: P367777

CATALOG NUMBER: MSA-SA3A-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°	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4
2.5°	900.4	897.3	894.2	891.1	910.1	929.5	948.5	967.5	1021.4	1056.7	1052.8
5°	1003.6	1017.5	1031.5	1045.4	1067.9	1090.8	1113.2	1135.7	1215.6	1264.4	1271.4
7.5°	935.7	957.0	978.7	1000.1	1043.5	1086.5	1129.9	1172.9	1238.5	1289.2	1317.9
10°	825.2	849.7	873.7	898.1	947.0	996.2	1045.0	1093.9	1167.5	1237.7	1273.7
12.5°	827.6	865.9	904.3	942.7	985.3	1028.0	1070.2	1112.9	1157.8	1181.5	1232.2
15°	891.9	922.2	952.4	982.6	1038.4	1094.3	1149.7	1205.5	1232.2	1289.2	1348.5
17.5°	915.6	974.9	1033.8	1092.7	1162.5	1231.9	1301.6	1371.0	1421.4	1500.5	1561.7
20°	871.8	960.5	1048.9	1137.7	1233.4	1329.2	1424.9	1520.6	1575.7	1650.9	1745.5
22.5°	873.7	967.9	1061.7	1155.9	1288.1	1419.9	1552.0	1683.8	1831.5	1976.5	2022.6
25°	887.3	1010.5	1133.4	1256.7	1409.4	1562.1	1714.8	1867.6	2045.9	2198.2	2259.4
27.5°	891.9	1030.7	1169.1	1307.8	1524.9	1742.0	1959.0	2176.1	2388.9	2561.0	2626.5
30°	880.7	1050.5	1219.8	1389.2	1655.5	1921.8	2188.1	2454.4	2656.4	2856.8	2938.2
32.5°	883.4	1099.7	1316.0	1532.3	1845.9	2159.8	2473.4	2787.0	2916.1	3096.7	3240.1
35°	902.0	1139.2	1376.1	1613.3	1960.2	2307.1	2654.0	3001.0	3212.6	3403.3	3525.0
37.5°	945.4	1208.2	1470.6	1733.4	2159.8	2586.6	3013.0	3439.4	3766.9	4094.4	4150.3
40°	977.6	1255.1	1532.7	1810.2	2305.2	2800.2	3295.2	3790.2	4160.7	4516.2	4554.2
42.5°	1014.0	1317.9	1622.2	1926.1	2479.6	3033.1	3586.7	4140.2	4569.3	4931.7	4956.9
45°	1053.9	1366.8	1679.2	1991.6	2571.5	3151.0	3730.9	4310.4	4811.5	5232.5	5137.5
47.5°	1072.9	1407.5	1742.0	2076.5	2698.2	3319.6	3941.3	4562.7	5012.3	5383.7	5272.8
50°	1087.7	1455.5	1823.8	2191.6	2843.6	3495.6	4147.6	4799.5	5250.3	5593.0	5419.3
52.5°	1129.1	1540.4	1952.1	2363.3	3056.8	3749.9	4443.3	5136.4	5572.4	5887.2	5643.8
55°	1169.5	1643.1	2117.2	2590.9	3336.6	4082.8	4828.6	5574.4	6008.5	6278.3	5947.7
57.5°	1220.2	1742.7	2264.9	2787.0	3584.7	4382.4	5179.8	5977.5	6402.0	6700.0	6356.6
60°	1207.1	1765.2	2323.8	2882.0	3694.4	4506.9	5319.3	6131.8	6636.1	7002.4	6769.4
62.5°	1155.9	1709.4	2262.5	2816.1	3614.2	4411.9	5210.0	6007.7	6612.0	7108.2	7029.9
65°	1052.4	1566.8	2081.5	2595.9	3358.0	4120.4	4882.5	5644.5	6390.3	7021.8	7049.7
67.5°	916.3	1350.5	1784.2	2218.4	2929.3	3640.2	4350.7	5061.6	5941.9	6678.3	6761.3
70°	772.1	1098.1	1424.5	1750.5	2376.1	3001.7	3627.0	4252.6	5167.8	5908.9	6065.5
72.5°	619.0	828.7	1038.1	1247.4	1698.9	2150.1	2601.7	3052.9	3858.0	4433.2	4706.5
75°	401.2	496.5	591.9	687.3	988.0	1288.5	1589.2	1889.7	2424.2	2847.9	3156.8
77.5°	178.7	198.1	217.1	236.4	468.6	700.8	933.0	1165.2	1397.4	1653.2	1725.7
80°	64.0	72.5	81.4	89.9	203.9	318.2	432.2	546.2	658.6	790.7	822.9
82.5°	26.7	26.7	26.4	26.0	66.7	107.4	148.1	188.8	218.2	250.8	257.0
85°	10.9	8.1	5.0	1.9	8.5	15.5	22.1	28.7	46.1	41.9	77.5
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: P367777
 CATALOG NUMBER: MSA-SA3A-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: P367777

CATALOG NUMBER: MSA-SA3A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4
2.5°	1038.1	1037.3	1036.5	1035.7	1034.9	1021.0	1007.4	993.5	979.9	997.0	1014.0
5°	1260.2	1280.3	1300.5	1321.0	1341.2	1347.0	1352.8	1358.6	1364.4	1376.8	1389.2
7.5°	1341.9	1376.1	1409.8	1443.9	1477.6	1509.0	1540.0	1571.4	1602.8	1595.1	1587.3
10°	1313.6	1375.3	1436.9	1498.9	1560.6	1574.1	1587.7	1601.7	1615.2	1650.5	1685.8
12.5°	1283.0	1357.1	1431.1	1505.1	1579.2	1620.3	1661.0	1702.0	1743.1	1778.8	1814.5
15°	1428.4	1475.7	1523.0	1570.6	1617.9	1654.0	1689.6	1725.7	1761.4	1786.2	1810.6
17.5°	1619.5	1642.7	1666.0	1689.6	1712.9	1741.2	1769.5	1797.8	1826.1	1840.8	1855.5
20°	1821.4	1831.5	1841.6	1851.7	1861.7	1839.3	1816.8	1794.3	1771.8	1785.8	1799.3
22.5°	2024.2	2027.6	2031.5	2035.0	2038.5	1986.2	1933.8	1881.5	1829.2	1807.1	1785.0
25°	2336.2	2310.6	2285.0	2259.4	2233.9	2171.8	2109.8	2047.8	1985.8	1931.1	1876.5
27.5°	2674.2	2587.4	2500.9	2414.1	2327.7	2265.6	2203.6	2141.6	2079.6	1997.4	1915.2
30°	3014.9	2875.0	2735.4	2595.5	2456.0	2382.3	2308.7	2234.6	2161.0	2078.8	1997.0
32.5°	3327.3	3159.1	2990.9	2822.3	2654.0	2530.0	2406.0	2281.9	2157.9	2100.5	2043.2
35°	3586.3	3387.4	3188.6	2989.3	2790.5	2667.6	2544.7	2421.9	2299.0	2213.7	2128.8
37.5°	4028.9	3805.3	3581.6	3358.0	3134.3	2966.5	2799.0	2631.2	2463.3	2406.4	2349.4
40°	4437.1	4155.3	3873.5	3591.7	3309.9	3169.2	3028.9	2888.2	2747.8	2654.4	2561.4
42.5°	4761.5	4464.6	4168.1	3871.2	3574.3	3435.1	3296.3	3157.2	3018.0	2955.6	2893.6
45°	4831.7	4551.8	4272.4	3992.5	3712.6	3631.6	3551.0	3470.0	3389.4	3346.3	3303.7
47.5°	4970.1	4666.6	4363.5	4059.9	3756.4	3720.0	3683.6	3646.7	3610.3	3630.9	3651.4
50°	5047.6	4737.9	4428.2	4118.5	3808.8	3819.2	3829.3	3839.8	3850.2	3996.0	4141.3
52.5°	5198.0	4885.2	4572.4	4259.6	3946.8	4012.7	4078.2	4144.1	4209.6	4410.4	4610.8
55°	5466.6	5159.2	4851.9	4544.1	4236.7	4323.5	4410.4	4497.6	4584.4	4797.6	5010.4
57.5°	5864.7	5559.7	5255.0	4949.9	4645.3	4731.7	4818.1	4904.6	4991.0	5183.7	5375.9
60°	6365.9	6052.7	5739.9	5426.7	5113.9	5146.5	5178.6	5211.2	5243.7	5450.7	5657.3
62.5°	6756.2	6468.2	6180.6	5892.6	5605.0	5569.0	5533.3	5497.2	5461.6	5619.0	5775.9
65°	6846.9	6644.2	6441.9	6239.2	6036.4	5925.6	5815.1	5704.2	5593.4	5656.9	5720.5
67.5°	6587.2	6450.4	6314.0	6177.1	6040.3	5808.9	5577.5	5345.7	5114.3	5080.6	5046.8
70°	5984.5	5909.7	5835.3	5760.4	5686.0	5329.4	4973.2	4616.6	4260.3	4174.7	4089.0
72.5°	4722.4	4768.9	4815.4	4862.3	4908.8	4527.0	4145.6	3763.8	3382.0	3273.5	3165.3
75°	3330.1	3487.8	3645.6	3803.3	3961.1	3613.0	3265.3	2917.2	2569.2	2464.9	2361.0
77.5°	1805.5	2101.3	2397.1	2692.8	2988.6	2701.3	2414.5	2127.3	1840.0	1767.6	1695.5
80°	855.9	1026.4	1196.6	1367.1	1537.7	1473.0	1408.2	1343.1	1278.4	1294.3	1310.2
82.5°	262.4	385.7	508.9	632.2	755.5	765.2	774.5	784.2	793.8	817.9	841.5
85°	88.0	120.6	153.1	185.7	218.2	275.6	333.0	390.7	448.1	410.9	374.1
87.5°	0.0	1.2	1.9	3.1	3.9	12.0	20.2	28.3	36.4	31.4	26.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367777
 CATALOG NUMBER: MSA-SA3A-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: P367777

CATALOG NUMBER: MSA-SA3A-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°	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4
2.5°	1031.5	1048.5	1048.9	1049.7	1050.1	1050.5	1052.4	1054.3	1056.7	1058.6	1045.8
5°	1402.0	1414.4	1391.6	1368.7	1345.4	1322.6	1343.1	1363.7	1384.2	1404.7	1395.8
7.5°	1579.2	1571.4	1568.7	1566.4	1563.7	1561.3	1569.1	1576.8	1584.6	1592.3	1591.6
10°	1721.0	1756.3	1764.8	1773.4	1782.3	1790.8	1773.0	1755.2	1737.3	1719.5	1712.1
12.5°	1850.1	1885.8	1914.1	1942.4	1971.1	1999.4	1973.8	1948.6	1923.0	1897.8	1873.8
15°	1835.4	1859.8	1883.1	1906.3	1929.6	1952.8	1944.3	1936.2	1927.6	1919.1	1915.2
17.5°	1870.7	1885.4	1880.0	1874.5	1868.7	1863.3	1860.6	1858.3	1855.5	1852.8	1843.5
20°	1813.3	1827.2	1823.8	1820.7	1817.2	1813.7	1811.4	1809.0	1806.7	1804.4	1797.0
22.5°	1762.9	1740.8	1735.0	1729.6	1723.8	1718.3	1719.1	1719.9	1720.3	1721.0	1754.4
25°	1821.8	1767.2	1745.8	1724.5	1702.8	1681.5	1691.2	1700.5	1710.2	1719.9	1767.9
27.5°	1832.7	1750.5	1716.4	1682.3	1648.2	1614.1	1648.9	1683.8	1718.7	1753.6	1831.5
30°	1914.9	1833.1	1785.4	1738.1	1690.4	1643.1	1687.7	1732.3	1776.9	1821.4	1905.9
32.5°	1985.4	1928.0	1893.9	1859.8	1825.7	1791.6	1793.5	1795.1	1797.0	1799.0	1918.0
35°	2043.5	1958.7	1927.6	1897.0	1866.0	1835.4	1881.5	1927.6	1973.8	2019.9	2126.9
37.5°	2292.4	2235.4	2178.4	2121.8	2064.9	2008.3	2045.1	2081.9	2119.1	2156.0	2274.2
40°	2468.0	2375.0	2360.2	2345.9	2331.2	2316.8	2335.8	2354.4	2373.4	2392.4	2495.9
42.5°	2831.2	2768.8	2728.9	2689.3	2649.4	2609.9	2625.0	2640.1	2655.6	2670.7	2768.8
45°	3260.7	3217.6	3191.3	3164.9	3138.2	3111.8	3089.0	3066.5	3043.6	3021.1	3120.7
47.5°	3671.9	3692.5	3750.6	3808.4	3866.5	3924.3	3877.0	3829.7	3782.0	3734.7	3735.1
50°	4287.1	4432.5	4461.9	4491.0	4520.4	4549.5	4448.7	4348.0	4246.8	4146.0	4134.0
52.5°	4811.5	5011.9	5022.4	5032.9	5043.7	5054.2	5013.5	4972.8	4931.7	4891.0	4782.9
55°	5223.6	5436.4	5450.7	5464.7	5479.0	5493.0	5457.3	5422.0	5386.4	5350.7	5241.4
57.5°	5568.6	5760.8	5769.4	5777.5	5786.0	5794.6	5797.3	5800.0	5803.1	5805.8	5658.1
60°	5864.3	6071.3	6054.3	6037.6	6020.5	6003.9	5978.3	5952.7	5927.1	5901.5	5806.2
62.5°	5933.3	6090.7	6064.3	6038.4	6012.0	5986.0	5964.3	5943.0	5921.3	5899.6	5838.7
65°	5784.1	5847.7	5820.5	5793.4	5765.9	5738.7	5724.8	5711.2	5697.3	5683.3	5675.6
67.5°	5012.7	4979.0	5011.2	5043.3	5075.5	5107.7	5151.5	5195.3	5239.5	5283.3	5257.7
70°	4003.0	3917.3	3953.0	3988.2	4023.9	4059.2	4125.5	4191.7	4258.4	4324.7	4306.9
72.5°	3056.8	2948.2	2953.3	2958.3	2963.8	2968.8	2966.9	2965.3	2963.4	2961.4	2992.4
75°	2256.7	2152.5	2103.2	2054.0	2004.8	1955.6	1943.5	1931.5	1919.5	1907.5	1965.2
77.5°	1623.0	1550.9	1517.2	1483.8	1450.1	1416.8	1433.8	1450.9	1468.3	1485.4	1505.5
80°	1326.4	1342.3	1316.4	1290.8	1264.8	1238.8	1258.2	1277.2	1296.6	1316.0	1255.9
82.5°	865.6	889.2	809.4	729.5	649.7	569.8	618.3	666.7	715.5	764.0	739.2
85°	336.8	300.0	255.8	212.0	167.8	123.7	160.9	198.1	235.3	272.5	297.3
87.5°	21.7	17.1	13.6	10.1	6.2	2.7	5.8	8.9	12.4	15.5	26.0
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: P367777
 CATALOG NUMBER: MSA-SA3A-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: P367777

CATALOG NUMBER: MSA-SA3A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4
2.5°	1033.4	1020.6	1008.2	983.8	959.4	934.9	910.5	944.6	978.7	1012.9	1047.0
5°	1387.3	1378.4	1369.9	1372.2	1374.5	1377.2	1379.5	1384.6	1389.6	1394.3	1399.3
7.5°	1591.2	1590.4	1589.6	1571.8	1554.0	1535.8	1517.9	1526.8	1535.8	1544.7	1553.6
10°	1705.1	1697.8	1690.4	1651.3	1612.1	1572.6	1533.4	1516.4	1498.9	1481.9	1464.8
12.5°	1849.7	1825.3	1801.3	1759.4	1717.9	1676.1	1634.2	1618.7	1602.8	1587.3	1571.4
15°	1911.7	1907.9	1904.4	1874.5	1844.3	1814.5	1784.2	1731.1	1677.6	1624.5	1571.4
17.5°	1834.2	1824.5	1815.2	1862.5	1909.4	1956.7	2004.0	1949.0	1893.9	1838.9	1783.8
20°	1789.6	1782.3	1774.9	1862.9	1950.5	2038.5	2126.1	2101.7	2076.9	2052.5	2028.0
22.5°	1787.7	1821.4	1854.8	1931.9	2008.7	2085.8	2162.5	2204.8	2247.4	2289.7	2331.9
25°	1816.0	1864.5	1912.5	2040.4	2168.4	2296.7	2424.6	2473.0	2521.1	2569.5	2617.6
27.5°	1909.0	1986.9	2064.5	2176.1	2287.7	2399.8	2511.4	2617.2	2723.4	2829.2	2935.1
30°	1990.0	2074.6	2159.1	2292.0	2424.6	2557.5	2690.1	2822.7	2955.2	3087.8	3220.4
32.5°	2037.0	2156.3	2275.3	2437.0	2598.2	2759.9	2921.5	3066.9	3212.2	3357.2	3502.5
35°	2233.9	2341.2	2448.2	2626.9	2805.6	2984.7	3163.4	3343.2	3523.1	3702.6	3882.4
37.5°	2392.4	2511.0	2629.2	2824.6	3019.6	3214.9	3410.3	3658.8	3907.6	4156.1	4404.5
40°	2599.4	2702.9	2806.4	2989.3	3171.9	3354.9	3537.8	3853.0	4168.1	4482.8	4798.0
42.5°	2866.5	2964.5	3062.6	3258.3	3454.1	3649.8	3845.6	4194.5	4543.3	4891.8	5240.6
45°	3220.4	3320.4	3420.0	3575.8	3731.6	3887.5	4043.3	4414.2	4784.8	5155.8	5526.3
47.5°	3735.5	3735.9	3736.3	3848.7	3961.1	4073.9	4186.3	4560.0	4933.3	5306.9	5680.2
50°	4122.0	4109.6	4097.5	4155.7	4213.4	4271.6	4329.7	4673.6	5017.8	5361.6	5705.4
52.5°	4675.1	4567.0	4459.2	4493.7	4527.8	4562.3	4596.4	4887.5	5179.0	5470.1	5761.2
55°	5132.5	5023.2	4913.9	4901.1	4888.3	4875.5	4862.7	5130.6	5398.4	5666.3	5934.1
57.5°	5510.8	5363.1	5215.8	5186.4	5157.3	5127.8	5098.4	5381.0	5663.2	5945.7	6227.9
60°	5711.2	5615.9	5520.5	5501.5	5482.1	5463.1	5443.8	5675.6	5907.4	6139.1	6370.9
62.5°	5778.3	5717.4	5656.9	5692.6	5728.3	5764.3	5800.0	5901.9	6003.5	6105.4	6207.0
65°	5668.2	5660.4	5652.7	5725.9	5798.8	5872.1	5945.3	5920.1	5894.6	5869.4	5844.2
67.5°	5232.5	5206.9	5181.7	5342.6	5503.1	5663.9	5824.8	5702.7	5580.2	5458.1	5336.0
70°	4289.0	4270.8	4253.0	4484.8	4716.6	4948.8	5180.6	5032.5	4884.4	4736.3	4588.3
72.5°	3023.1	3054.1	3085.1	3358.4	3631.2	3904.5	4177.4	4028.2	3878.9	3729.7	3580.5
75°	2022.6	2080.4	2138.1	2419.5	2700.9	2982.7	3264.2	3089.0	2913.8	2738.5	2563.3
77.5°	1525.7	1545.8	1566.0	1743.9	1921.8	2100.1	2278.1	2133.5	1988.5	1843.9	1698.9
80°	1195.8	1135.3	1075.3	1133.8	1192.3	1250.9	1309.4	1222.9	1136.5	1050.5	964.0
82.5°	714.4	689.6	664.8	696.6	728.0	759.7	791.5	754.3	716.7	679.5	641.9
85°	321.7	346.5	371.0	403.1	434.9	467.1	499.3	447.3	395.4	343.4	291.5
87.5°	36.0	46.5	57.0	70.5	84.1	97.7	111.2	86.8	62.0	37.6	13.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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°	819.4	819.4
2.5°	1066.7	1086.5
5°	1398.9	1398.2
7.5°	1530.3	1506.7
10°	1443.1	1421.4
12.5°	1516.0	1460.6
15°	1529.6	1487.7
17.5°	1715.6	1647.0
20°	1940.0	1851.7
22.5°	2211.0	2089.7
25°	2473.4	2329.2
27.5°	2848.6	2761.8
30°	3132.8	3044.8
32.5°	3442.9	3383.2
35°	3823.1	3763.4
37.5°	4420.0	4435.2
40°	4807.3	4816.6
42.5°	5276.7	5312.7
45°	5566.6	5606.9
47.5°	5736.4	5792.6
50°	5796.1	5886.8
52.5°	5873.2	5984.9
55°	6058.5	6183.0
57.5°	6327.1	6426.4
60°	6375.6	6380.2
62.5°	6135.3	6063.6
65°	5767.8	5691.4
67.5°	5289.9	5243.4
70°	4527.0	4465.8
72.5°	3466.5	3352.5
75°	2422.2	2281.2
77.5°	1624.9	1550.9
80°	966.3	968.3
82.5°	659.7	677.2
85°	288.0	284.1
87.5°	9.3	5.0
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: P367777
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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)