

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: P597148

Luminaire Tested: **MSA-SA4C-835-U-SLR**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P597148
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-24)
Test Lab: INNOVATIONS CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: MSA-SA4C-835-U-SLR
Description: MESA POST TOP DECORATIVE LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16993 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

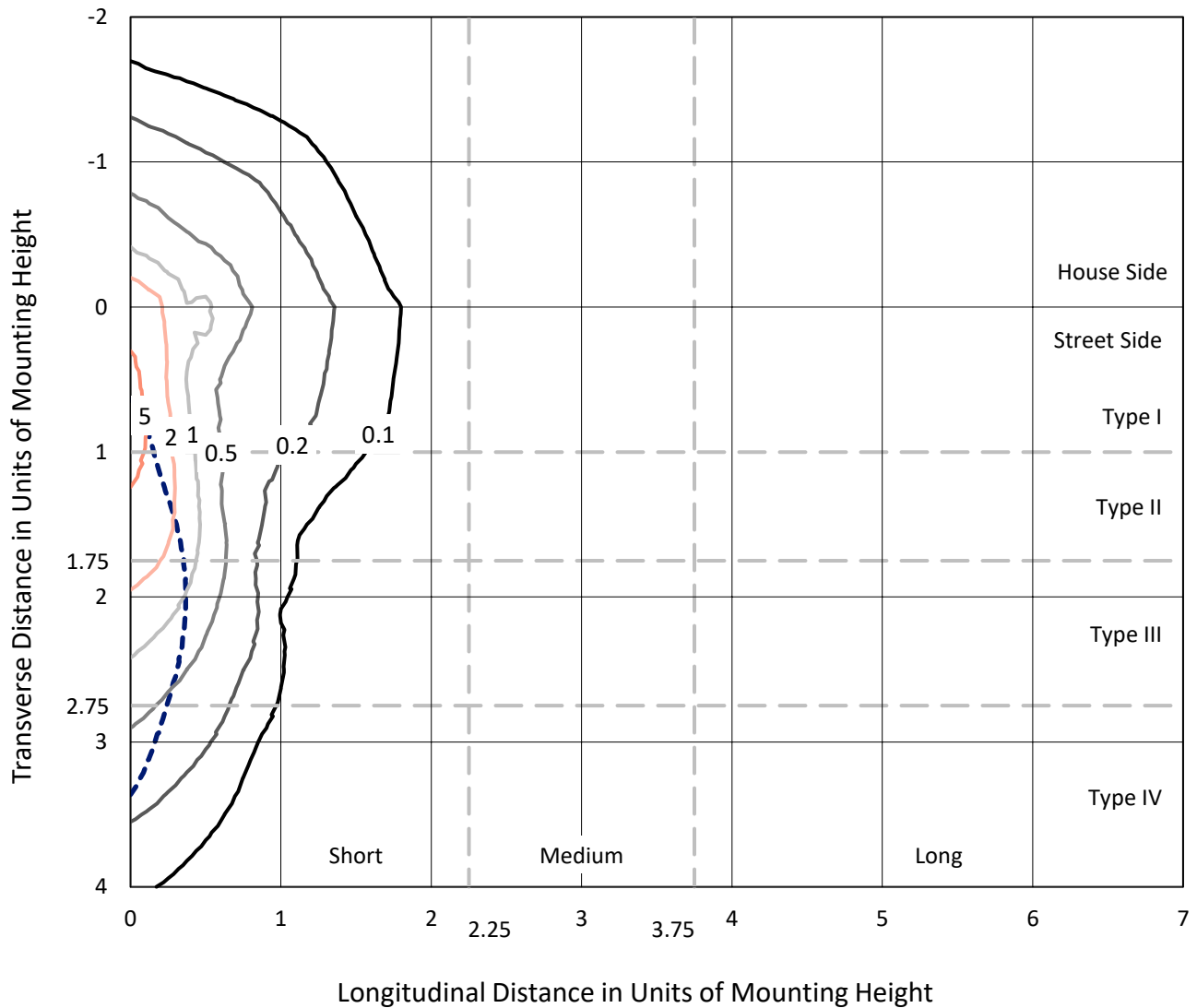
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P597148
 CATALOG NUMBER: MSA-SA4C-835-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

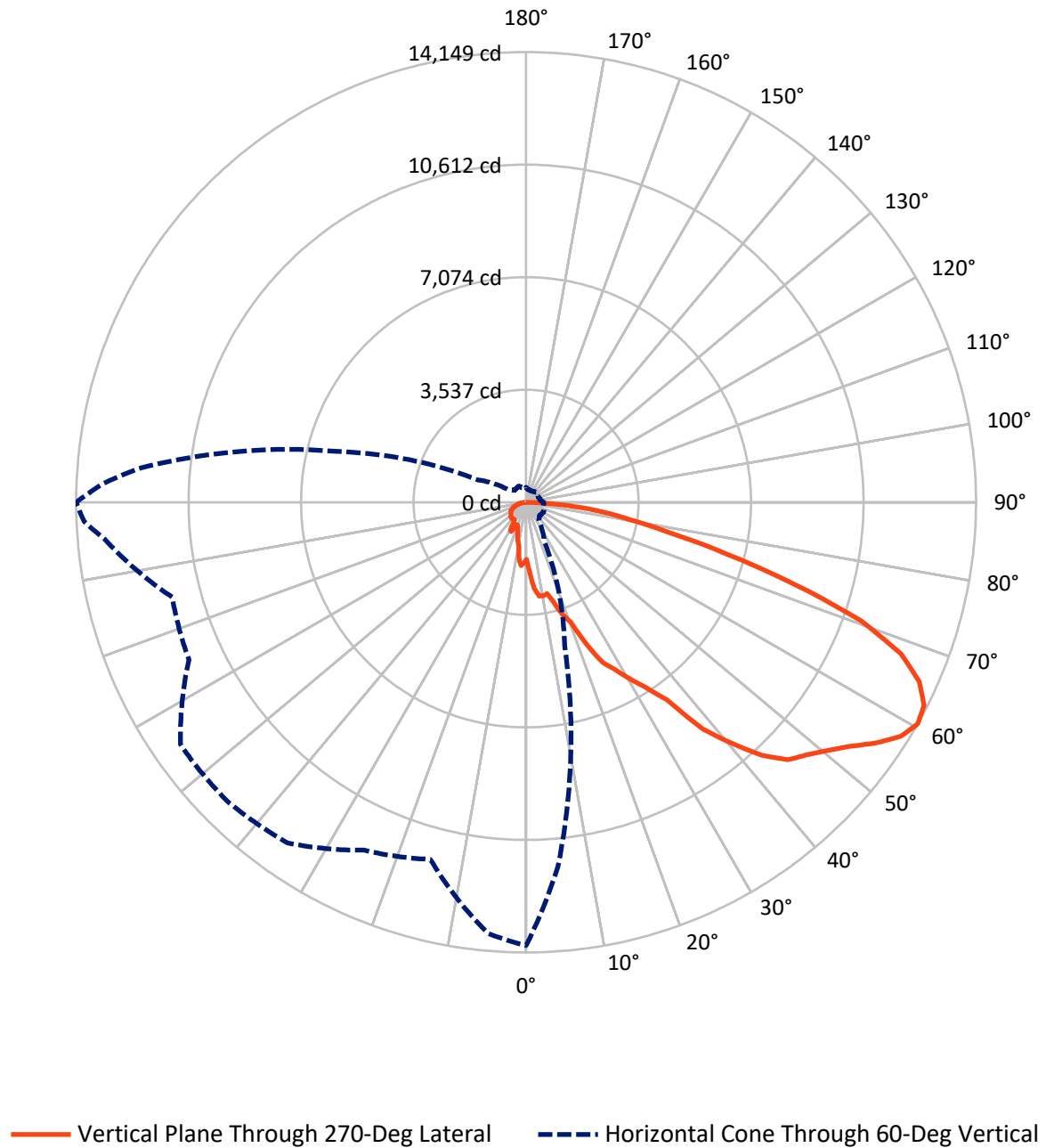
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P597148
CATALOG NUMBER: MSA-SA4C-835-U-SLR

Luminous Intensity Polar Plot



REPORT NUMBER: P597148
 CATALOG NUMBER: MSA-SA4C-835-U-SLR

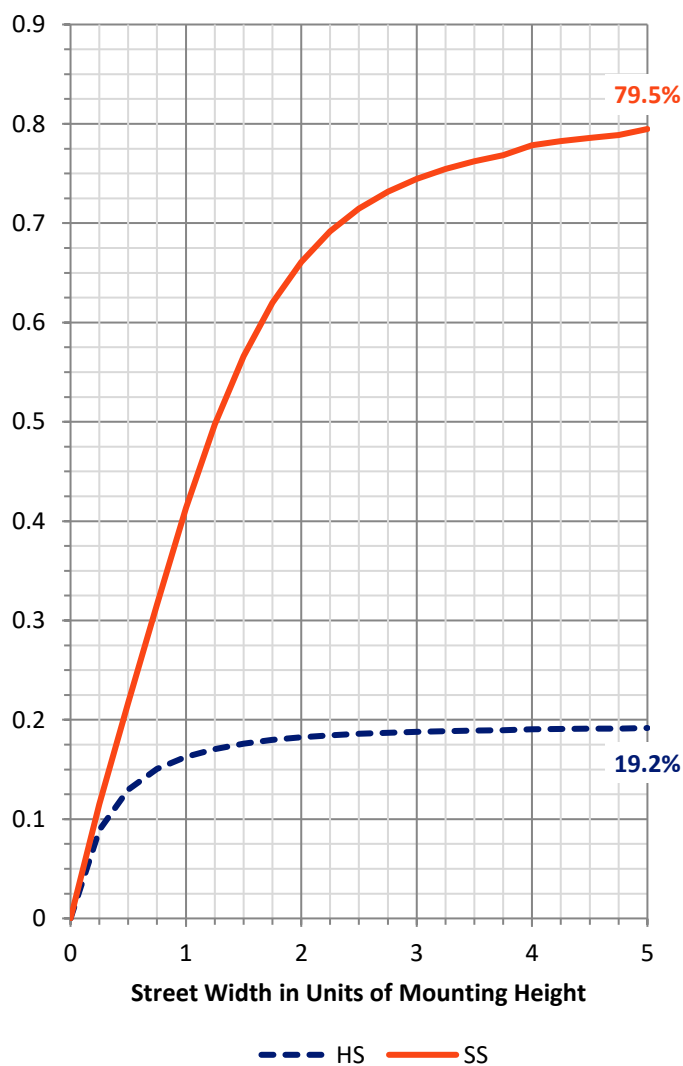
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3291.2	0.0	3291.2
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	13701.8	0.0	13701.8
	% Fixture	80.6	0.0	80.6
Total	Lumens	16993.0	0.0	16993.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.5	1.2
10°-20°	597.1	3.5
20°-30°	1054.1	6.2
30°-40°	1641.6	9.7
40°-50°	2702.7	15.9
50°-60°	3857.7	22.7
60°-70°	4090.5	24.1
70°-80°	2259.3	13.3
80°-90°	584.6	3.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	16993.0	100.0
0°-180°	16993.0	100.0

Coefficient of Utilization



REPORT NUMBER: P597148

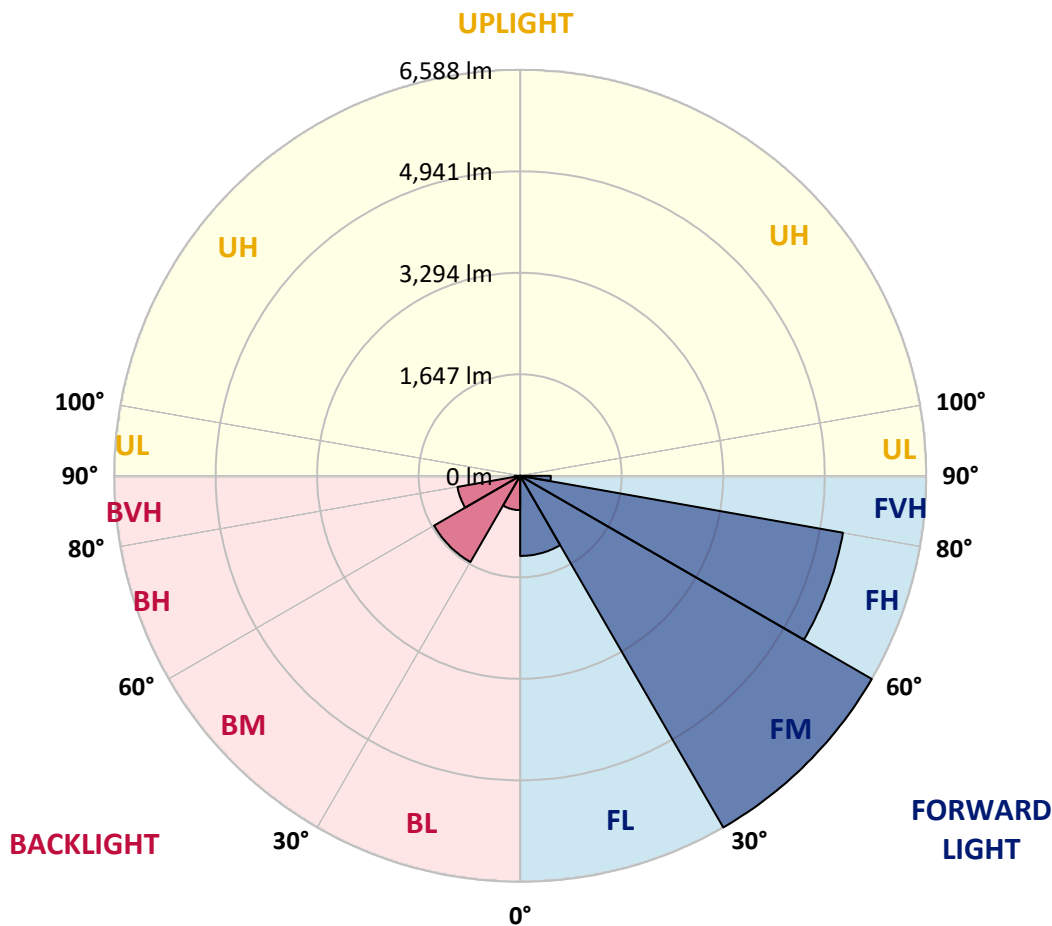
CATALOG NUMBER: MSA-SA4C-835-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1300.2	7.7			
FM (30°-60°)	6587.6	38.8			
FH (60°-80°)	5317.2	31.3			G3/7500
FVH (80°-90°)	496.8	2.9			G3/500
BL (0°-30°)	556.4	3.3	B2/1000		
BM (30°-60°)	1614.4	9.5	B2/2500		
BH (60°-80°)	1032.7	6.1	B3/2500		G3/2500
BVH (80°-90°)	87.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short





REPORT NUMBER: P597148

CATALOG NUMBER: MSA-SA4C-835-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3
2.5°	2400.2	2415.1	2429.1	2401.0	2373.0	2344.1	2316.1	2274.0	2231.1	2189.1	2146.2
5°	2882.7	2828.3	2773.0	2750.8	2729.3	2707.0	2684.8	2664.1	2643.5	2622.1	2601.5
7.5°	3033.7	2956.1	2877.8	2844.8	2811.8	2778.0	2745.0	2670.7	2596.5	2521.5	2447.2
10°	2867.9	2787.0	2705.4	2673.2	2640.2	2608.1	2575.1	2484.3	2394.4	2303.7	2213.0
12.5°	3001.5	2919.0	2835.7	2733.4	2631.2	2528.1	2425.8	2375.5	2325.1	2274.0	2223.7
15°	3130.2	3018.8	2906.6	2804.4	2702.1	2599.0	2496.7	2396.1	2295.5	2194.8	2094.2
17.5°	3600.3	3414.7	3229.1	3044.4	2858.8	2674.0	2488.5	2372.2	2255.0	2138.7	2021.6
20°	4173.6	3915.4	3656.4	3376.0	3094.7	2814.3	2533.0	2386.2	2240.2	2093.4	1946.6
22.5°	4855.7	4529.9	4204.1	3850.2	3496.4	3141.7	2787.9	2575.1	2362.3	2148.6	1935.8
25°	5397.6	5084.1	4770.7	4322.0	3873.3	3424.6	2975.9	2734.3	2492.6	2250.1	2008.4
27.5°	5923.8	5424.8	4925.0	4411.1	3898.1	3384.2	2870.3	2646.8	2423.3	2199.8	1976.3
30°	6368.4	5972.5	5576.6	4906.0	4235.4	3564.0	2893.4	2618.8	2344.1	2069.5	1794.8
32.5°	7019.2	6454.2	5888.3	5188.9	4489.5	3790.0	3090.6	2739.2	2387.8	2036.5	1685.1
35°	7780.5	7193.2	6605.9	5740.7	4876.3	4011.1	3145.8	2773.8	2401.0	2029.0	1656.2
37.5°	9200.0	8164.8	7128.9	6184.4	5240.0	4294.8	3350.4	2918.2	2486.0	2053.0	1620.8
40°	9982.7	9025.9	8069.1	6892.1	5715.1	4537.3	3360.3	2918.2	2475.3	2033.2	1590.2
42.5°	11026.1	9816.1	8605.3	7332.6	6060.7	4788.0	3515.4	3025.4	2535.5	2044.7	1554.8
45°	11662.0	10313.5	8964.1	7604.0	6243.8	4883.7	3523.6	3026.2	2528.9	2031.5	1534.2
47.5°	12072.0	10777.0	9481.2	8017.2	6553.1	5088.3	3624.2	3096.3	2567.6	2039.8	1511.1
50°	12460.4	11177.9	9894.5	8374.3	6855.0	5334.9	3814.8	3238.2	2661.7	2084.3	1507.8
52.5°	12937.2	11756.1	10574.1	8943.4	7312.0	5681.3	4049.8	3422.1	2794.5	2166.8	1539.1
55°	13630.9	12467.0	11302.4	9552.2	7801.1	6050.8	4299.7	3602.8	2906.6	2209.7	1512.7
57.5°	14080.4	12900.1	11719.8	9934.9	8150.0	6364.3	4579.4	3807.3	3035.3	2262.5	1490.4
60°	13931.1	12713.7	11495.4	9793.8	8092.2	6390.7	4689.1	3855.2	3022.1	2188.2	1354.3
62.5°	13271.2	11977.1	10683.0	9158.7	7635.3	6111.0	4586.8	3738.9	2891.8	2043.9	1196.0
65°	12349.1	11011.3	9672.6	8297.6	6922.7	5547.7	4172.7	3403.2	2632.8	1863.3	1092.9
67.5°	11217.5	9822.7	8427.1	7209.7	5992.3	4774.0	3556.6	2913.2	2270.7	1627.4	984.0
70°	9798.0	8427.1	7056.3	6003.0	4949.7	3896.4	2843.1	2359.0	1875.6	1391.5	907.3
72.5°	7875.3	6692.5	5509.8	4680.8	3851.9	3022.9	2194.0	1857.5	1521.8	1185.3	848.7
75°	5601.3	4906.0	4210.7	3565.7	2920.7	2274.8	1629.8	1412.1	1194.3	976.6	758.8
77.5°	3980.5	3570.6	3160.7	2655.1	2149.5	1643.9	1138.2	1010.4	883.4	755.5	627.7
80°	2942.9	2600.6	2258.3	1877.3	1496.2	1115.1	734.1	671.4	609.5	546.9	484.2
82.5°	1937.5	1783.2	1628.2	1326.3	1024.4	722.5	420.7	397.6	374.5	351.4	328.3
85°	867.7	916.4	964.2	779.4	593.9	409.1	223.5	212.8	202.1	191.4	180.6
87.5°	83.3	122.9	162.5	139.4	115.5	92.4	68.5	67.6	67.6	66.8	66.0
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: P597148
 CATALOG NUMBER: MSA-SA4C-835-U-SLR

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: P597148

CATALOG NUMBER: MSA-SA4C-835-U-SLR

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3
2.5°	2157.7	2169.3	2180.8	2192.4	2180.0	2167.6	2154.4	2142.0	2126.4	2110.7	2094.2
5°	2566.8	2531.4	2496.7	2461.2	2408.5	2355.7	2302.1	2249.3	2242.7	2235.2	2228.6
7.5°	2382.1	2317.7	2252.6	2187.4	2104.9	2023.3	1940.8	1858.3	1833.6	1808.8	1784.1
10°	2169.3	2124.7	2081.0	2036.5	1985.3	1934.2	1882.2	1831.1	1763.5	1695.0	1627.4
12.5°	2151.1	2078.5	2005.1	1932.5	1901.2	1869.9	1838.5	1807.2	1747.8	1688.4	1628.2
15°	2035.6	1976.3	1917.7	1858.3	1812.9	1767.6	1722.2	1676.8	1629.0	1580.3	1532.5
17.5°	1954.0	1886.3	1818.7	1751.1	1699.1	1647.2	1594.4	1542.4	1484.7	1426.1	1368.4
20°	1869.0	1792.3	1714.8	1637.3	1571.3	1506.1	1440.1	1374.1	1310.6	1247.9	1184.4
22.5°	1834.4	1732.9	1631.5	1530.0	1460.7	1390.6	1321.4	1251.2	1192.7	1134.1	1075.6
25°	1887.2	1766.7	1645.5	1524.3	1431.1	1337.0	1243.8	1149.8	1101.1	1052.5	1003.0
27.5°	1825.3	1673.5	1522.6	1370.8	1271.0	1170.4	1070.6	970.0	962.6	955.1	946.9
30°	1635.6	1476.4	1317.2	1158.0	1066.5	974.1	882.5	790.2	772.8	754.7	737.4
32.5°	1522.6	1360.1	1197.6	1035.1	953.5	871.0	789.3	706.9	687.1	667.3	647.5
35°	1479.7	1303.2	1126.7	950.2	880.1	810.0	739.9	669.7	655.7	642.5	628.5
37.5°	1445.1	1270.2	1094.5	918.8	851.2	783.6	715.1	647.5	636.8	626.0	615.3
40°	1412.1	1234.7	1056.6	878.4	818.2	758.8	698.6	638.4	631.8	625.2	617.8
42.5°	1382.4	1210.0	1036.8	864.4	810.8	758.0	704.4	650.8	644.2	637.6	631.0
45°	1365.9	1197.6	1029.4	861.1	822.3	783.6	744.0	705.2	689.5	673.9	657.4
47.5°	1353.5	1196.0	1038.4	880.9	840.5	800.1	759.7	719.2	705.2	691.2	676.3
50°	1356.0	1205.1	1053.3	901.5	852.9	803.4	754.7	705.2	703.6	701.9	700.3
52.5°	1378.3	1218.2	1057.4	896.6	843.8	791.0	737.4	684.6	695.3	705.2	715.9
55°	1346.1	1179.5	1012.0	845.4	795.1	745.6	695.3	645.0	659.0	672.2	686.2
57.5°	1309.8	1129.2	948.5	767.9	730.0	692.0	653.3	615.3	630.2	645.8	660.7
60°	1189.4	1024.4	859.5	694.5	668.9	643.4	617.8	592.2	598.8	605.4	612.0
62.5°	1057.4	918.0	779.4	640.1	620.3	599.6	579.8	559.2	559.2	560.0	560.0
65°	973.3	853.7	734.1	614.5	592.2	569.9	546.9	524.6	521.3	518.0	514.7
67.5°	889.1	795.1	700.3	605.4	573.2	541.9	509.7	477.6	473.4	470.1	466.0
70°	823.2	739.0	654.9	570.8	534.5	499.0	462.7	426.4	423.1	420.7	417.4
72.5°	769.6	691.2	612.0	532.8	494.9	456.1	418.2	379.4	376.9	374.5	371.2
75°	688.7	619.4	549.3	479.2	442.1	405.8	368.7	331.6	328.3	325.8	322.5
77.5°	569.9	511.4	453.6	395.1	366.2	338.2	309.3	280.4	278.8	277.1	274.7
80°	438.8	393.4	347.2	301.9	282.9	263.1	244.1	224.3	223.5	222.7	221.0
82.5°	301.1	273.8	246.6	219.4	205.4	190.5	176.5	161.7	162.5	163.3	164.1
85°	171.6	161.7	152.6	142.7	131.1	120.4	108.9	97.3	99.8	102.3	103.9
87.5°	62.7	59.4	56.1	52.8	47.0	42.1	36.3	30.5	32.2	34.6	36.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597148
 CATALOG NUMBER: MSA-SA4C-835-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P597148

CATALOG NUMBER: MSA-SA4C-835-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3
2.5°	2078.5	2053.8	2029.0	2004.3	1979.6	1928.4	1878.1	1827.0	1775.8	1807.2	1839.3
5°	2221.2	2179.2	2136.3	2094.2	2051.3	2027.4	2003.5	1979.6	1955.6	1968.0	1981.2
7.5°	1759.3	1734.6	1709.0	1684.3	1658.7	1648.0	1638.1	1627.4	1616.6	1647.2	1677.7
10°	1558.9	1524.3	1489.6	1454.1	1419.5	1398.9	1378.3	1357.6	1337.0	1345.3	1353.5
12.5°	1568.8	1517.7	1466.5	1415.4	1364.2	1333.7	1303.2	1272.7	1242.2	1249.6	1257.0
15°	1483.8	1431.1	1378.3	1325.5	1272.7	1237.2	1200.9	1165.5	1129.2	1116.8	1103.6
17.5°	1309.8	1252.1	1194.3	1136.6	1078.9	1054.9	1031.0	1007.1	983.2	970.0	956.8
20°	1120.9	1067.3	1013.7	960.1	906.5	890.0	873.5	856.2	839.7	831.4	822.3
22.5°	1017.0	984.0	950.2	917.2	883.4	864.4	846.3	827.3	808.3	799.2	789.3
25°	954.3	960.9	968.3	974.9	981.5	973.3	964.2	956.0	946.9	950.2	952.7
27.5°	939.5	953.5	968.3	982.4	996.4	1003.8	1011.2	1018.6	1026.1	1028.5	1031.0
30°	719.2	726.7	733.3	740.7	747.3	767.9	788.5	808.3	828.9	861.1	894.1
32.5°	627.7	625.2	622.7	619.4	617.0	621.9	626.9	631.0	635.9	647.5	659.9
35°	614.5	608.7	602.1	596.3	589.7	592.2	594.7	597.2	599.6	608.7	617.8
37.5°	604.6	602.1	600.5	598.0	595.5	601.3	606.2	612.0	617.0	624.4	631.8
40°	611.2	610.4	609.5	607.9	607.1	610.4	613.7	617.0	620.3	630.2	640.1
42.5°	624.4	624.4	623.6	623.6	622.7	626.0	628.5	631.8	634.3	640.1	645.8
45°	641.7	640.1	639.2	637.6	635.9	635.1	635.1	634.3	633.5	636.8	640.9
47.5°	662.3	656.6	650.0	644.2	637.6	635.9	633.5	631.8	629.3	631.0	632.6
50°	698.6	682.9	668.1	652.4	636.8	632.6	628.5	624.4	620.3	619.4	619.4
52.5°	725.8	702.7	679.6	656.6	633.5	626.0	618.6	611.2	603.8	602.1	601.3
55°	699.4	682.1	665.6	648.3	631.0	620.3	608.7	598.0	586.4	584.0	581.5
57.5°	675.5	664.8	654.1	643.4	632.6	621.9	610.4	599.6	588.1	582.3	576.5
60°	618.6	618.6	619.4	619.4	619.4	607.9	596.3	584.8	573.2	567.5	562.5
62.5°	560.0	569.1	577.4	586.4	594.7	579.0	562.5	546.9	530.4	526.2	522.9
65°	511.4	513.9	517.2	519.6	522.1	509.7	497.4	485.0	472.6	470.1	466.8
67.5°	461.9	461.1	460.2	458.6	457.8	450.3	442.1	434.7	426.4	423.1	419.8
70°	414.1	413.2	412.4	410.8	409.9	403.3	396.7	390.1	383.5	381.1	378.6
72.5°	368.7	367.9	366.2	365.4	363.7	358.0	353.0	347.2	341.5	338.2	334.9
75°	319.2	317.6	315.9	314.3	312.6	307.7	302.7	296.9	292.0	288.7	285.4
77.5°	273.0	270.5	268.1	264.8	262.3	258.2	253.2	249.1	244.1	240.0	236.7
80°	220.2	218.6	216.9	214.5	212.8	208.7	204.6	199.6	195.5	190.5	186.4
82.5°	165.0	164.1	162.5	161.7	160.0	155.9	151.8	147.6	143.5	138.6	133.6
85°	106.4	105.6	104.8	103.9	103.1	99.8	97.3	94.0	90.7	85.8	81.7
87.5°	37.9	36.3	35.5	33.8	32.2	31.3	29.7	28.9	27.2	24.7	22.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597148
 CATALOG NUMBER: MSA-SA4C-835-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P597148

CATALOG NUMBER: MSA-SA4C-835-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3
2.5°	1870.7	1902.0	1902.8	1902.8	1917.7	1931.7	1902.8	1874.0	1844.3	1815.4	1786.5
5°	1993.6	2005.9	2002.6	1998.5	1980.4	1962.2	1943.3	1924.3	1905.3	1886.3	1887.2
7.5°	1708.2	1738.7	1763.5	1787.4	1764.3	1741.2	1728.8	1716.4	1704.1	1691.7	1690.0
10°	1360.9	1369.2	1379.1	1388.2	1374.1	1359.3	1384.0	1408.8	1432.7	1457.4	1430.2
12.5°	1264.4	1271.9	1254.5	1236.4	1230.6	1224.8	1219.1	1212.5	1206.7	1200.1	1196.8
15°	1091.2	1078.0	1064.8	1050.8	1047.5	1043.4	1039.3	1034.3	1030.2	1025.2	1010.4
17.5°	943.6	930.4	908.1	885.0	876.0	866.1	863.6	861.1	857.8	855.3	841.3
20°	814.1	805.0	799.2	792.6	783.6	774.5	765.4	756.4	746.5	737.4	724.2
22.5°	780.3	770.4	763.0	754.7	753.1	751.4	734.9	717.6	701.1	683.8	676.3
25°	956.0	958.4	913.1	866.9	862.8	858.6	828.9	798.4	768.7	738.2	712.6
27.5°	1032.7	1035.1	1033.5	1031.8	1018.6	1004.6	954.3	903.2	852.9	801.7	765.4
30°	926.3	958.4	970.8	983.2	974.1	964.2	911.4	859.5	806.7	753.9	730.0
32.5°	671.4	682.9	703.6	723.4	734.1	744.0	727.5	711.0	694.5	678.0	673.9
35°	626.0	635.1	639.2	643.4	636.8	630.2	617.8	605.4	592.2	579.8	577.4
37.5°	638.4	645.8	654.1	662.3	644.2	625.2	611.2	598.0	584.0	569.9	558.4
40°	650.0	659.9	664.8	669.7	651.6	633.5	616.1	599.6	582.3	565.0	553.4
42.5°	651.6	657.4	666.4	675.5	650.0	623.6	607.9	591.4	575.7	559.2	547.7
45°	644.2	647.5	655.7	664.0	634.3	603.8	589.7	574.9	560.9	546.0	536.1
47.5°	633.5	635.1	641.7	647.5	616.1	584.0	570.8	557.6	543.6	530.4	520.5
50°	618.6	617.8	622.7	626.9	594.7	562.5	549.3	537.0	523.8	510.6	502.3
52.5°	599.6	598.0	602.9	607.1	573.2	539.4	527.9	517.2	505.6	494.1	487.5
55°	578.2	575.7	579.8	584.0	551.0	517.2	507.3	496.5	486.6	475.9	470.1
57.5°	569.9	564.2	566.6	569.1	532.0	494.9	485.0	475.1	465.2	455.3	451.2
60°	556.7	551.0	553.4	555.1	515.5	475.1	466.0	456.1	447.0	437.2	433.0
62.5°	518.8	514.7	518.0	521.3	485.8	449.5	441.3	433.9	425.6	417.4	411.6
65°	464.4	461.1	467.7	474.3	443.7	413.2	408.3	403.3	397.6	392.6	386.8
67.5°	416.5	413.2	419.8	426.4	404.2	381.9	376.9	372.0	367.0	362.1	358.8
70°	376.1	373.6	379.4	385.2	366.2	347.2	342.3	338.2	333.2	328.3	325.8
72.5°	330.7	327.5	334.9	341.5	325.8	309.3	305.2	300.2	296.1	291.2	289.5
75°	282.1	278.8	285.4	291.2	280.4	268.9	264.8	260.6	256.5	252.4	251.6
77.5°	232.6	228.5	235.1	240.8	234.2	226.8	223.5	219.4	216.1	212.0	212.0
80°	181.5	176.5	181.5	185.6	183.1	180.6	178.2	174.9	172.4	169.1	169.9
82.5°	128.7	123.7	126.2	128.7	130.3	132.0	132.0	132.0	132.0	132.0	132.0
85°	76.7	71.8	72.6	73.4	75.9	78.4	79.2	80.0	80.8	81.7	82.5
87.5°	19.8	17.3	15.7	13.2	15.7	17.3	19.0	19.8	21.4	22.3	22.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597148
 CATALOG NUMBER: MSA-SA4C-835-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P597148

CATALOG NUMBER: MSA-SA4C-835-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3
2.5°	1757.7	1728.0	1699.1	1717.3	1734.6	1752.7	1770.0	1770.9	1770.9	1771.7	1771.7
5°	1888.8	1889.6	1890.5	1873.2	1856.7	1839.3	1822.0	1812.9	1803.9	1794.0	1784.9
7.5°	1687.6	1685.9	1683.4	1666.9	1650.5	1634.0	1617.5	1577.9	1537.5	1497.9	1457.4
10°	1402.2	1375.0	1346.9	1340.3	1334.5	1327.9	1321.4	1310.6	1300.7	1290.0	1279.3
12.5°	1193.5	1190.2	1186.9	1169.6	1152.3	1134.1	1116.8	1116.8	1116.8	1116.8	1116.8
15°	994.7	979.9	964.2	956.0	946.9	938.6	929.6	925.4	921.3	917.2	913.1
17.5°	826.5	812.4	797.6	795.9	794.3	792.6	791.0	786.9	782.7	778.6	774.5
20°	711.0	697.8	684.6	689.5	694.5	698.6	703.6	699.4	695.3	690.4	686.2
22.5°	668.1	660.7	652.4	648.3	644.2	639.2	635.1	635.1	635.9	635.9	635.9
25°	687.9	662.3	636.8	624.4	612.0	598.8	586.4	581.5	577.4	572.4	567.5
27.5°	729.1	692.0	655.7	634.3	612.8	591.4	569.9	560.9	551.0	541.9	532.0
30°	705.2	681.3	656.6	631.8	607.1	582.3	557.6	546.0	534.5	522.1	510.6
32.5°	669.7	664.8	660.7	637.6	614.5	590.6	567.5	562.5	558.4	553.4	548.5
35°	574.1	571.6	568.3	562.5	556.7	551.0	545.2	538.6	532.0	525.4	518.8
37.5°	547.7	536.1	524.6	522.1	519.6	517.2	514.7	512.2	509.7	506.4	504.0
40°	541.9	530.4	518.8	514.7	510.6	505.6	501.5	502.3	504.0	504.8	505.6
42.5°	535.3	523.8	511.4	508.1	504.8	501.5	498.2	499.0	500.7	501.5	502.3
45°	527.1	517.2	507.3	501.5	496.5	490.8	485.0	489.9	494.9	499.0	504.0
47.5°	510.6	499.8	489.9	486.6	483.3	479.2	475.9	480.9	485.8	489.9	494.9
50°	493.2	485.0	475.9	475.1	474.3	472.6	471.8	475.1	478.4	481.7	485.0
52.5°	480.0	473.4	466.0	466.0	465.2	465.2	464.4	467.7	471.0	473.4	476.7
55°	465.2	459.4	453.6	454.5	456.1	456.9	457.8	461.1	465.2	468.5	471.8
57.5°	446.2	442.1	437.2	440.5	442.9	446.2	448.7	451.2	454.5	456.9	459.4
60°	428.1	424.0	419.0	422.3	426.4	429.7	433.0	435.5	438.0	440.5	442.9
62.5°	405.8	399.2	393.4	398.4	402.5	407.5	411.6	413.2	415.7	417.4	419.0
65°	381.9	376.1	370.3	373.6	376.9	379.4	382.7	385.2	387.7	390.1	392.6
67.5°	354.7	351.4	347.2	349.7	352.2	354.7	357.1	358.0	358.0	358.8	358.8
70°	322.5	320.0	316.7	318.4	320.9	322.5	324.2	324.2	324.2	323.3	323.3
72.5°	288.7	287.0	285.4	286.2	287.9	288.7	289.5	288.7	287.9	287.0	286.2
75°	250.7	249.9	249.1	249.9	251.6	252.4	253.2	252.4	250.7	249.9	248.3
77.5°	212.8	212.8	212.8	212.8	213.6	213.6	213.6	212.0	210.3	208.7	207.0
80°	170.7	171.6	172.4	172.4	172.4	172.4	172.4	170.7	169.1	166.6	165.0
82.5°	132.0	132.0	132.0	132.0	132.8	132.8	132.8	128.7	125.4	121.2	117.1
85°	82.5	83.3	83.3	84.1	85.0	85.0	85.8	80.0	75.1	69.3	63.5
87.5°	22.3	22.3	22.3	22.3	22.3	21.4	21.4	16.5	10.7	5.8	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597148
 CATALOG NUMBER: MSA-SA4C-835-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P597148

CATALOG NUMBER: MSA-SA4C-835-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3
2.5°	1776.6	1781.6	1785.7	1790.7	1791.5	1792.3	1792.3	1793.1	1775.8	1758.5	1740.4
5°	1797.3	1808.8	1821.2	1832.7	1830.3	1827.8	1825.3	1822.8	1817.9	1813.8	1808.8
7.5°	1448.4	1440.1	1431.1	1422.0	1429.4	1436.8	1444.2	1451.7	1455.0	1458.3	1460.7
10°	1258.7	1238.0	1217.4	1196.8	1185.3	1172.9	1161.3	1149.0	1147.3	1146.5	1144.8
12.5°	1095.4	1073.1	1051.6	1029.4	1022.8	1015.3	1008.7	1001.3	1007.9	1014.5	1020.3
15°	904.0	895.7	886.7	877.6	885.0	892.4	899.9	907.3	913.9	919.7	926.3
17.5°	770.4	767.1	763.0	758.8	765.4	772.8	779.4	786.0	800.9	815.7	830.6
20°	682.9	680.5	677.2	673.9	671.4	668.1	665.6	662.3	683.8	704.4	725.8
22.5°	631.0	626.0	621.1	616.1	617.0	617.8	617.8	618.6	635.9	654.1	671.4
25°	565.8	564.2	562.5	560.9	565.8	570.8	574.9	579.8	595.5	611.2	626.0
27.5°	532.8	533.7	534.5	535.3	541.9	549.3	555.9	562.5	573.2	584.0	594.7
30°	514.7	519.6	523.8	527.9	530.4	532.8	535.3	537.8	548.5	558.4	569.1
32.5°	541.9	535.3	527.9	521.3	524.6	528.7	532.0	535.3	545.2	555.1	565.0
35°	516.3	513.0	510.6	507.3	511.4	515.5	518.8	522.9	532.0	540.3	549.3
37.5°	503.1	502.3	501.5	500.7	503.1	505.6	507.3	509.7	518.0	526.2	533.7
40°	502.3	498.2	494.9	490.8	493.2	495.7	497.4	499.8	509.7	519.6	529.5
42.5°	497.4	492.4	486.6	481.7	484.2	487.5	489.9	492.4	503.1	513.0	523.8
45°	496.5	489.1	480.9	473.4	476.7	480.0	483.3	486.6	494.9	503.1	510.6
47.5°	487.5	480.0	472.6	465.2	466.8	468.5	469.3	471.0	478.4	485.0	492.4
50°	480.0	474.3	469.3	463.5	461.1	459.4	456.9	454.5	460.2	466.0	471.8
52.5°	471.0	465.2	458.6	452.8	449.5	446.2	442.9	439.6	444.6	448.7	453.6
55°	465.2	457.8	451.2	443.7	439.6	435.5	431.4	427.3	430.6	433.0	436.3
57.5°	452.8	446.2	438.8	432.2	427.3	422.3	416.5	411.6	413.2	414.9	416.5
60°	436.3	428.9	422.3	414.9	409.1	403.3	396.7	391.0	391.8	393.4	394.3
62.5°	412.4	405.8	398.4	391.8	385.2	379.4	372.8	366.2	367.9	368.7	370.3
65°	386.0	378.6	372.0	364.6	358.8	353.0	346.4	340.6	342.3	343.9	344.8
67.5°	353.8	348.1	343.1	337.3	332.4	326.6	321.7	315.9	316.7	317.6	318.4
70°	319.2	314.3	310.1	305.2	301.1	296.9	292.8	288.7	288.7	289.5	289.5
72.5°	282.1	278.0	273.8	269.7	265.6	262.3	258.2	254.0	255.7	257.3	258.2
75°	244.1	240.8	236.7	232.6	229.3	226.0	221.9	218.6	220.2	221.9	222.7
77.5°	204.6	202.1	198.8	196.3	193.0	189.7	185.6	182.3	183.9	185.6	186.4
80°	163.3	161.7	159.2	157.5	154.2	150.9	147.6	144.3	145.2	145.2	146.0
82.5°	117.9	118.8	118.8	119.6	117.1	113.8	111.3	108.1	108.1	108.1	107.2
85°	66.0	69.3	71.8	74.2	71.8	69.3	66.8	64.3	63.5	63.5	62.7
87.5°	2.5	4.1	6.6	8.2	7.4	6.6	4.9	4.1	4.9	5.8	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



REPORT NUMBER: P597148
 CATALOG NUMBER: MSA-SA4C-835-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P597148

CATALOG NUMBER: MSA-SA4C-835-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3
2.5°	1723.0	1737.1	1751.1	1765.1	1779.1	1800.6	1822.0	1844.3	1866.6	1854.2	1841.0
5°	1803.9	1812.1	1821.2	1829.4	1837.7	1861.6	1884.7	1913.6	1941.6	1938.3	1934.2
7.5°	1464.0	1475.6	1487.1	1497.9	1509.4	1545.7	1582.0	1612.5	1643.0	1638.9	1634.0
10°	1143.2	1167.1	1191.9	1215.8	1239.7	1269.4	1298.3	1323.8	1349.4	1392.3	1434.3
12.5°	1026.9	1064.0	1101.1	1138.2	1175.4	1196.8	1217.4	1250.4	1283.4	1306.5	1330.4
15°	932.0	966.7	1001.3	1036.0	1070.6	1072.3	1073.9	1108.5	1143.2	1163.0	1182.0
17.5°	845.4	864.4	883.4	901.5	920.5	913.9	907.3	923.8	939.5	947.7	956.8
20°	746.5	759.7	772.8	786.0	799.2	808.3	816.6	826.5	835.5	827.3	818.2
22.5°	688.7	708.5	729.1	748.9	768.7	774.5	779.4	773.7	767.9	765.4	763.0
25°	641.7	665.6	690.4	714.3	738.2	749.8	761.3	766.3	770.4	761.3	752.2
27.5°	605.4	634.3	662.3	691.2	719.2	739.9	760.5	766.3	771.2	764.6	757.2
30°	579.0	610.4	641.7	673.0	704.4	735.7	766.3	793.5	819.9	817.4	814.9
32.5°	574.9	596.3	617.8	639.2	660.7	680.5	699.4	701.1	701.9	695.3	687.9
35°	557.6	571.6	585.6	599.6	613.7	626.0	637.6	635.9	634.3	627.7	621.1
37.5°	541.9	555.9	570.8	584.8	598.8	620.3	640.9	636.8	631.8	625.2	618.6
40°	539.4	555.1	570.8	585.6	601.3	621.1	640.9	636.8	632.6	624.4	616.1
42.5°	533.7	549.3	564.2	579.8	594.7	618.6	641.7	634.3	626.0	619.4	612.8
45°	518.8	532.8	546.9	560.9	574.9	600.5	626.0	617.0	607.9	605.4	602.1
47.5°	499.0	513.0	527.1	541.1	555.1	580.7	605.4	598.0	589.7	588.9	587.3
50°	477.6	490.8	504.8	518.0	531.2	556.7	581.5	574.9	568.3	569.1	569.1
52.5°	457.8	470.1	481.7	494.1	505.6	531.2	555.9	551.0	545.2	546.9	547.7
55°	438.8	448.7	458.6	468.5	478.4	503.1	527.9	520.5	513.0	515.5	518.0
57.5°	418.2	426.4	434.7	442.1	450.3	475.1	499.0	490.8	481.7	485.8	489.1
60°	395.1	402.5	409.9	416.5	424.0	446.2	467.7	460.2	452.0	457.8	462.7
62.5°	371.2	376.9	382.7	388.5	394.3	414.9	435.5	429.7	424.0	430.6	436.3
65°	346.4	350.5	355.5	359.6	363.7	383.5	402.5	398.4	394.3	400.0	405.8
67.5°	319.2	322.5	326.6	329.9	333.2	351.4	369.5	365.4	360.4	365.4	369.5
70°	289.5	292.8	295.3	298.6	301.1	317.6	334.0	328.3	321.7	326.6	330.7
72.5°	259.8	261.5	263.9	265.6	267.2	279.6	292.0	287.0	282.1	287.0	291.2
75°	224.3	226.0	227.6	229.3	230.9	241.7	251.6	245.8	239.2	244.1	249.1
77.5°	188.1	188.9	190.5	191.4	192.2	199.6	206.2	200.4	193.8	199.6	205.4
80°	146.0	146.8	147.6	147.6	148.5	150.9	153.4	149.3	144.3	151.8	159.2
82.5°	107.2	106.4	106.4	105.6	104.8	104.8	103.9	101.5	98.2	104.8	111.3
85°	61.9	61.0	59.4	58.6	56.9	54.4	52.0	51.1	50.3	56.1	61.9
87.5°	6.6	5.8	4.1	3.3	1.6	0.8	0.0	0.0	0.0	3.3	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



REPORT NUMBER: P597148
 CATALOG NUMBER: MSA-SA4C-835-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P597148

CATALOG NUMBER: MSA-SA4C-835-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3
2.5°	1828.6	1815.4	1803.0	1790.7	1778.3	1765.9	1789.0	1812.1	1835.2	1858.3	1878.9
5°	1930.9	1926.8	1916.0	1906.1	1895.4	1884.7	1890.5	1897.1	1902.8	1908.6	1921.0
7.5°	1629.8	1624.9	1648.0	1670.2	1693.3	1715.6	1721.4	1726.3	1732.1	1737.1	1733.8
10°	1477.2	1519.3	1530.0	1539.9	1550.6	1560.5	1577.0	1593.5	1609.2	1625.7	1634.8
12.5°	1353.5	1376.6	1414.6	1453.3	1491.3	1529.2	1553.9	1578.7	1603.4	1628.2	1679.3
15°	1201.8	1220.7	1249.6	1278.5	1307.3	1336.2	1371.7	1408.0	1443.4	1478.9	1535.0
17.5°	965.0	973.3	994.7	1016.2	1036.8	1058.2	1106.1	1153.1	1200.9	1247.9	1312.3
20°	810.0	800.9	800.9	801.7	801.7	801.7	849.6	896.6	944.4	991.4	1076.4
22.5°	759.7	757.2	748.1	738.2	729.1	719.2	744.0	769.6	794.3	819.0	888.3
25°	742.3	733.3	721.7	710.2	698.6	687.1	702.7	718.4	734.1	749.8	804.2
27.5°	750.6	743.2	748.9	753.9	759.7	764.6	769.6	774.5	779.4	784.4	803.4
30°	812.4	810.0	819.0	827.3	836.4	844.6	833.1	822.3	810.8	799.2	805.8
32.5°	681.3	673.9	670.6	667.3	664.0	660.7	659.9	659.0	657.4	656.6	671.4
35°	614.5	607.9	602.9	598.0	592.2	587.3	589.7	591.4	593.9	595.5	612.0
37.5°	612.0	605.4	599.6	593.9	587.3	581.5	584.0	587.3	589.7	592.2	604.6
40°	607.9	599.6	596.3	593.0	589.7	586.4	588.1	589.7	590.6	592.2	601.3
42.5°	605.4	598.8	597.2	595.5	593.9	592.2	593.9	595.5	596.3	598.0	608.7
45°	599.6	596.3	598.0	599.6	601.3	602.9	602.9	602.9	602.9	602.9	614.5
47.5°	586.4	584.8	589.7	594.7	599.6	604.6	612.8	621.1	628.5	636.8	639.2
50°	569.9	569.9	578.2	586.4	593.9	602.1	621.9	640.9	660.7	679.6	667.3
52.5°	549.3	550.2	562.5	574.1	586.4	598.0	616.1	634.3	651.6	669.7	651.6
55°	519.6	522.1	537.8	552.6	568.3	583.1	597.2	611.2	625.2	639.2	620.3
57.5°	493.2	496.5	513.0	528.7	545.2	560.9	569.1	578.2	586.4	594.7	582.3
60°	468.5	473.4	494.9	516.3	537.0	558.4	551.8	545.2	537.8	531.2	530.4
62.5°	442.9	448.7	468.5	488.3	507.3	527.1	517.2	507.3	496.5	486.6	490.8
65°	410.8	416.5	425.6	434.7	442.9	452.0	451.2	451.2	450.3	449.5	457.8
67.5°	374.5	378.6	384.4	389.3	395.1	400.0	403.3	407.5	410.8	414.1	424.0
70°	335.7	339.8	345.6	350.5	356.3	361.3	365.4	369.5	372.8	376.9	386.8
72.5°	296.1	300.2	306.0	311.8	316.7	322.5	325.8	329.1	331.6	334.9	343.1
75°	254.0	259.0	264.8	269.7	275.5	280.4	282.9	285.4	287.9	290.3	297.8
77.5°	211.2	216.9	222.7	228.5	234.2	240.0	240.8	241.7	242.5	243.3	249.9
80°	165.8	173.2	179.0	184.8	190.5	196.3	196.3	196.3	196.3	196.3	199.6
82.5°	117.9	124.5	131.1	136.9	143.5	149.3	149.3	148.5	148.5	147.6	147.6
85°	67.6	73.4	77.5	82.5	86.6	90.7	90.7	90.7	89.9	89.9	88.3
87.5°	10.7	14.0	15.7	18.1	19.8	21.4	20.6	20.6	19.8	19.0	16.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597148
 CATALOG NUMBER: MSA-SA4C-835-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P597148

CATALOG NUMBER: MSA-SA4C-835-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3
2.5°	1899.5	1920.2	1940.8	1937.5	1934.2	1930.9	1927.6	1940.0	1951.5	1963.9	1975.4
5°	1932.5	1944.9	1956.5	1965.5	1974.6	1983.7	1992.7	2034.8	2076.1	2118.1	2159.4
7.5°	1730.5	1726.3	1723.0	1761.8	1801.4	1840.2	1878.9	1932.5	1986.1	2039.8	2093.4
10°	1643.9	1652.9	1662.0	1677.7	1694.2	1709.8	1725.5	1778.3	1831.1	1883.9	1936.7
12.5°	1729.6	1780.8	1831.1	1843.5	1856.7	1869.0	1881.4	1892.1	1902.8	1912.7	1923.5
15°	1591.1	1647.2	1703.2	1735.4	1767.6	1798.9	1831.1	1911.9	1991.9	2072.8	2152.8
17.5°	1375.8	1440.1	1503.6	1582.8	1662.0	1741.2	1820.4	1894.6	1968.8	2042.2	2116.5
20°	1161.3	1245.5	1330.4	1417.0	1502.8	1589.4	1675.2	1747.8	1820.4	1892.1	1964.7
22.5°	956.8	1026.1	1094.5	1200.1	1304.9	1410.4	1515.2	1650.5	1784.9	1920.2	2054.6
25°	857.8	912.2	965.9	1074.7	1183.6	1291.7	1400.5	1576.2	1751.1	1926.8	2101.6
27.5°	823.2	842.1	861.1	960.1	1058.2	1157.2	1255.4	1445.1	1634.8	1823.7	2013.4
30°	812.4	819.0	825.6	903.2	980.7	1058.2	1135.8	1323.0	1511.1	1698.3	1885.5
32.5°	685.4	700.3	714.3	790.2	865.2	941.1	1016.2	1205.1	1393.1	1582.0	1770.0
35°	628.5	645.0	661.5	735.7	810.0	883.4	957.6	1156.4	1356.0	1554.8	1753.6
37.5°	617.0	629.3	641.7	725.8	810.0	894.1	978.2	1179.5	1380.7	1582.0	1783.2
40°	611.2	620.3	629.3	711.0	793.5	875.1	956.8	1167.9	1378.3	1589.4	1799.7
42.5°	618.6	629.3	639.2	713.5	786.9	861.1	934.5	1153.1	1370.8	1589.4	1807.2
45°	625.2	636.8	647.5	716.8	786.0	855.3	924.6	1158.0	1390.6	1624.1	1856.7
47.5°	640.9	643.4	645.0	705.2	764.6	824.8	884.2	1121.7	1359.3	1596.0	1833.6
50°	654.1	641.7	628.5	691.2	753.1	815.7	877.6	1102.8	1327.9	1552.3	1777.5
52.5°	633.5	614.5	596.3	664.0	731.6	798.4	866.1	1091.2	1317.2	1542.4	1767.6
55°	602.1	583.1	564.2	632.6	701.1	769.6	838.0	1062.4	1287.5	1511.9	1736.2
57.5°	570.8	558.4	546.0	602.1	659.0	715.1	771.2	1014.5	1257.0	1500.3	1742.8
60°	529.5	527.9	527.1	570.8	615.3	659.0	702.7	941.1	1178.7	1417.0	1654.6
62.5°	494.1	498.2	501.5	537.0	572.4	607.1	642.5	872.7	1103.6	1333.7	1563.8
65°	466.8	475.1	483.3	523.8	564.2	603.8	644.2	837.2	1030.2	1223.2	1416.2
67.5°	433.9	443.7	453.6	506.4	559.2	612.0	664.8	824.0	983.2	1142.4	1301.6
70°	395.9	405.8	414.9	482.5	549.3	617.0	683.8	824.8	966.7	1107.7	1248.8
72.5°	351.4	359.6	367.9	440.5	513.0	585.6	658.2	777.8	897.4	1016.2	1135.8
75°	306.0	313.4	320.9	383.5	446.2	508.9	571.6	664.0	755.5	847.9	939.5
77.5°	255.7	262.3	268.1	310.1	352.2	394.3	436.3	507.3	577.4	648.3	718.4
80°	202.9	206.2	209.5	234.2	258.2	282.9	306.8	353.8	400.9	447.0	494.1
82.5°	148.5	148.5	148.5	164.1	180.6	196.3	212.0	235.9	259.0	282.9	306.0
85°	86.6	84.1	82.5	93.2	103.9	114.6	125.4	135.3	145.2	155.1	165.0
87.5°	14.0	10.7	8.2	14.8	21.4	28.0	34.6	37.9	42.1	45.4	48.7
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: P597148
 CATALOG NUMBER: MSA-SA4C-835-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P597148

CATALOG NUMBER: MSA-SA4C-835-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3
2.5°	1947.4	1920.2	1892.1	1864.1	1905.3	1946.6	1987.8	2029.0	2138.7	2203.9	2208.0
5°	2194.0	2228.6	2263.3	2297.9	2332.6	2367.2	2401.0	2435.7	2613.8	2723.5	2744.2
7.5°	2150.3	2208.0	2264.9	2321.8	2420.0	2518.2	2616.3	2714.5	2865.4	2974.3	3046.0
10°	2007.6	2078.5	2149.5	2220.4	2336.7	2453.8	2570.1	2686.4	2846.4	2989.9	3058.4
12.5°	2036.5	2149.5	2261.6	2374.6	2475.3	2576.7	2677.3	2778.0	2888.5	2942.9	3067.5
15°	2231.1	2309.5	2387.8	2466.2	2618.0	2768.9	2920.7	3071.6	3134.3	3258.8	3371.0
17.5°	2260.8	2404.3	2548.7	2692.2	2877.8	3063.4	3248.9	3434.5	3550.8	3711.7	3846.9
20°	2168.4	2371.3	2575.1	2778.0	3017.2	3257.2	3496.4	3735.6	3883.2	4018.5	4228.0
22.5°	2279.0	2503.3	2726.8	2951.2	3268.7	3585.5	3903.0	4219.7	4528.2	4830.1	4972.0
25°	2401.0	2701.3	3000.7	3300.1	3696.8	4092.7	4489.5	4885.4	5282.1	5565.0	5728.3
27.5°	2315.2	2616.3	2918.2	3219.2	3710.0	4201.6	4692.4	5183.1	5607.9	5948.6	6088.8
30°	2255.0	2624.6	2994.1	3363.6	3939.3	4515.0	5090.7	5666.5	6059.1	6439.3	6645.5
32.5°	2244.3	2718.6	3192.0	3666.3	4336.9	5006.6	5677.2	6346.9	6607.6	6944.9	7222.9
35°	2274.0	2795.3	3315.7	3836.2	4604.9	5373.7	6141.6	6910.3	7280.6	7614.7	7858.0
37.5°	2364.7	2946.2	3526.9	4108.4	5034.7	5961.7	6888.0	7814.3	8435.4	9046.5	9155.4
40°	2415.9	3032.8	3649.0	4265.1	5342.3	6419.5	7496.7	8573.9	9288.2	9958.8	10004.2
42.5°	2476.1	3145.0	3813.1	4482.0	5676.4	6871.5	8065.8	9260.2	10144.4	10865.3	10886.7
45°	2545.4	3233.3	3922.0	4609.9	5857.0	7103.3	8350.4	9596.7	10665.7	11541.6	11328.0
47.5°	2572.6	3312.4	4051.5	4790.5	6120.1	7448.9	8778.5	10107.3	11066.5	11863.3	11658.7
50°	2583.3	3390.0	4195.8	5001.7	6379.1	7757.4	9134.8	10512.2	11488.0	12265.0	11951.5
52.5°	2650.1	3532.7	4415.2	5297.8	6732.9	8168.1	9603.3	11038.5	11998.6	12745.0	12355.7
55°	2740.0	3743.8	4746.8	5750.6	7236.1	8720.7	10206.2	11690.9	12654.3	13348.8	12866.3
57.5°	2823.3	3904.7	4985.2	6065.7	7604.8	9144.7	10683.8	12222.9	13198.7	13885.7	13418.1
60°	2782.9	3911.3	5039.6	6168.0	7680.7	9192.5	10705.2	12217.1	13324.9	14148.8	13909.6
62.5°	2660.8	3757.8	4854.0	5951.0	7387.0	8822.2	10258.2	11693.4	12990.0	14046.6	14035.8
65°	2425.8	3435.3	4444.1	5453.7	6782.4	8112.0	9440.8	10769.6	12298.0	13581.4	13664.7
67.5°	2139.6	2977.6	3815.6	4653.6	5904.8	7156.1	8407.3	9658.6	11292.5	12708.7	12780.5
70°	1862.4	2476.9	3090.6	3704.2	4802.9	5901.5	6999.4	8098.0	9748.5	11181.2	11247.1
72.5°	1537.5	1939.1	2340.0	2741.7	3631.7	4521.6	5410.8	6300.7	7749.9	8851.9	9223.9
75°	1177.8	1416.2	1654.6	1892.9	2613.0	3333.1	4052.3	4772.4	5735.7	6549.0	6968.0
77.5°	842.1	965.9	1089.6	1213.3	1825.3	2437.3	3048.5	3660.5	4167.0	4628.0	4910.9
80°	552.6	610.4	668.9	726.7	1235.6	1744.5	2252.6	2761.5	3070.0	3317.4	3460.1
82.5°	334.9	363.7	391.8	420.7	833.1	1245.5	1657.0	2069.5	2246.0	2363.9	2490.9
85°	180.6	196.3	212.0	227.6	492.4	756.4	1021.1	1285.1	1302.4	1316.4	1505.3
87.5°	52.8	57.7	61.9	66.0	108.9	152.6	195.5	238.4	148.5	92.4	189.7
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: P597148
 CATALOG NUMBER: MSA-SA4C-835-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P597148

CATALOG NUMBER: MSA-SA4C-835-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3
2.5°	2184.1	2173.4	2162.7	2151.1	2140.4	2095.0	2050.5	2005.1	1959.8	2003.5	2046.4
5°	2720.2	2753.2	2785.4	2818.4	2851.4	2853.9	2855.5	2858.0	2859.6	2867.9	2876.1
7.5°	3106.2	3164.8	3222.5	3281.1	3339.7	3385.0	3430.4	3476.6	3522.0	3480.7	3439.5
10°	3139.2	3263.0	3386.7	3510.4	3634.1	3656.4	3677.8	3700.1	3722.4	3752.1	3780.9
12.5°	3172.2	3323.2	3473.3	3624.2	3775.2	3841.2	3906.3	3972.3	4037.5	4069.6	4101.0
15°	3521.1	3610.2	3698.5	3787.5	3875.8	3921.2	3965.7	4011.1	4056.4	4083.6	4110.0
17.5°	3969.8	4002.8	4035.0	4068.0	4101.0	4131.5	4162.0	4192.5	4223.0	4228.0	4232.9
20°	4378.9	4385.5	4391.3	4397.9	4403.7	4339.3	4275.8	4211.5	4147.2	4158.7	4169.4
22.5°	4992.6	4956.3	4920.8	4884.5	4849.1	4727.8	4607.4	4486.2	4365.7	4313.8	4262.6
25°	5916.4	5824.0	5731.6	5639.2	5546.9	5353.9	5161.7	4968.7	4776.5	4663.5	4551.3
27.5°	6214.1	6012.9	5812.5	5611.2	5409.9	5264.0	5118.8	4972.8	4827.6	4648.6	4469.7
30°	6816.3	6498.7	6182.0	5864.4	5546.9	5405.8	5264.8	5122.9	4981.9	4798.8	4616.5
32.5°	7349.9	7020.0	6690.1	6359.3	6029.4	5762.1	5494.9	5227.7	4960.4	4836.7	4713.0
35°	7967.7	7552.8	7137.9	6723.1	6308.2	6078.9	5850.4	5621.1	5392.6	5205.4	5019.0
37.5°	8867.6	8426.3	7985.0	7542.9	7101.6	6791.5	6482.2	6172.1	5862.8	5759.7	5657.4
40°	9725.4	9204.1	8683.6	8162.3	7641.9	7404.3	7166.8	6928.4	6690.9	6516.8	6342.8
42.5°	10443.8	9928.3	9413.6	8898.1	8383.4	8210.2	8037.8	7864.6	7692.2	7548.7	7405.2
45°	10690.4	10269.7	9849.9	9429.3	9008.6	8947.6	8887.4	8826.3	8766.1	8659.7	8553.3
47.5°	11087.1	10658.2	10230.2	9801.3	9372.3	9394.6	9416.9	9440.0	9462.3	9468.0	9473.0
50°	11320.6	10913.1	10506.5	10099.0	9692.4	9800.4	9907.7	10015.7	10123.8	10368.7	10612.9
52.5°	11661.2	11261.2	10862.0	10461.9	10061.9	10245.0	10427.3	10610.4	10792.7	11135.8	11478.9
55°	12088.5	11705.7	11323.9	10941.1	10559.3	10737.4	10914.7	11092.9	11270.2	11652.1	12034.0
57.5°	12655.1	12245.2	11836.1	11426.1	11017.0	11181.2	11344.5	11508.6	11671.9	12034.8	12397.8
60°	13300.1	12854.7	12409.3	11963.1	11517.7	11563.1	11607.6	11653.0	11697.5	12090.9	12483.5
62.5°	13616.8	13204.4	12792.8	12380.4	11968.0	11841.8	11715.6	11588.6	11462.4	11814.6	12166.0
65°	13342.2	13058.4	12775.5	12491.8	12208.1	11985.4	11763.5	11540.8	11318.1	11538.3	11757.7
67.5°	12467.9	12307.0	12147.0	11986.2	11825.3	11451.7	11078.1	10703.6	10330.0	10344.8	10358.8
70°	11050.8	11008.0	10965.9	10923.0	10880.1	10318.4	9757.5	9195.8	8634.1	8548.4	8462.6
72.5°	9255.2	9283.3	9310.5	9338.5	9366.6	8762.8	8159.0	7555.3	6951.5	6808.8	6666.1
75°	7168.4	7323.5	7478.6	7634.5	7789.5	7212.2	6634.8	6056.6	5479.2	5303.5	5127.9
77.5°	5065.2	5354.7	5643.4	5932.9	6222.4	5700.3	5179.0	4656.9	4134.8	4021.0	3907.1
80°	3531.8	3673.7	3815.6	3957.5	4099.3	3837.0	3574.7	3312.4	3050.2	3081.5	3112.0
82.5°	2572.6	2605.6	2637.8	2670.7	2703.7	2596.5	2489.3	2381.2	2274.0	2355.7	2437.3
85°	1648.0	1765.9	1883.0	2001.0	2118.1	1999.3	1880.6	1761.0	1642.2	1696.6	1751.1
87.5°	368.7	583.1	797.6	1012.9	1227.3	1111.8	997.2	881.7	766.3	714.3	663.1
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: P597148
 CATALOG NUMBER: MSA-SA4C-835-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P597148

CATALOG NUMBER: MSA-SA4C-835-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3
2.5°	2090.1	2133.8	2120.6	2108.2	2095.0	2081.8	2105.7	2129.7	2154.4	2178.3	2170.1
5°	2885.2	2893.4	2815.1	2737.6	2659.2	2580.8	2629.5	2678.2	2726.8	2775.5	2758.2
7.5°	3398.2	3357.0	3311.6	3266.3	3220.1	3174.7	3164.8	3154.9	3144.2	3134.3	3121.1
10°	3810.6	3839.5	3809.8	3780.9	3751.2	3721.6	3652.3	3583.0	3512.9	3443.6	3414.7
12.5°	4133.1	4165.3	4172.7	4179.3	4186.8	4194.2	4116.6	4039.9	3962.4	3884.9	3814.8
15°	4137.3	4164.5	4188.4	4211.5	4235.4	4258.5	4210.7	4163.7	4115.8	4068.0	4045.7
17.5°	4238.7	4243.7	4223.9	4204.9	4185.1	4166.1	4147.2	4129.0	4110.0	4091.9	4056.4
20°	4181.0	4192.5	4190.0	4187.6	4184.3	4181.8	4183.5	4184.3	4185.9	4186.8	4167.0
22.5°	4210.7	4158.7	4169.4	4179.3	4190.0	4199.9	4229.6	4259.3	4289.9	4319.5	4398.7
25°	4438.3	4325.3	4308.0	4291.5	4274.2	4257.7	4335.2	4411.9	4489.5	4567.0	4695.7
27.5°	4289.9	4110.9	4071.3	4031.7	3992.1	3952.5	4070.5	4187.6	4305.5	4423.5	4554.6
30°	4433.4	4251.1	4163.7	4076.2	3988.0	3900.5	4013.5	4125.7	4238.7	4350.9	4496.1
32.5°	4589.3	4465.5	4407.0	4349.2	4290.7	4232.9	4242.0	4251.1	4260.2	4269.2	4473.8
35°	4831.8	4644.5	4586.8	4529.0	4471.3	4413.6	4510.1	4605.8	4702.3	4797.9	4971.1
37.5°	5554.3	5451.2	5347.3	5243.3	5138.6	5034.7	5091.6	5148.5	5205.4	5262.3	5425.6
40°	6168.8	5994.7	5977.4	5960.9	5943.6	5926.3	5931.2	5935.4	5940.3	5945.3	6084.6
42.5°	7260.8	7117.3	7029.1	6940.8	6852.5	6764.3	6758.5	6752.7	6746.1	6740.4	6845.1
45°	8446.1	8339.7	8273.7	8207.7	8140.9	8074.9	7970.2	7865.4	7759.8	7655.1	7746.6
47.5°	9478.8	9484.5	9604.1	9722.9	9842.5	9962.1	9783.1	9604.1	9425.1	9246.2	9128.2
50°	10857.8	11102.0	11130.9	11158.9	11187.8	11216.6	10913.1	10610.4	10306.9	10003.3	9879.6
52.5°	11822.9	12166.0	12121.5	12077.7	12033.2	11988.7	11813.0	11638.1	11462.4	11286.7	11017.0
55°	12416.7	12798.6	12764.8	12731.8	12698.0	12664.2	12536.3	12408.5	12280.6	12152.8	11856.7
57.5°	12760.7	13123.6	13133.5	13143.4	13153.3	13163.2	13129.4	13095.6	13061.7	13027.9	12642.7
60°	12877.0	13270.4	13274.5	13277.8	13282.0	13285.3	13231.6	13178.0	13123.6	13070.0	12818.4
62.5°	12518.2	12869.6	12885.2	12900.1	12915.7	12931.4	12894.3	12857.2	12820.1	12783.0	12596.5
65°	11977.9	12198.2	12202.3	12205.6	12209.7	12213.8	12119.8	12026.6	11932.6	11838.5	11794.0
67.5°	10373.7	10388.5	10475.9	10563.4	10650.8	10738.2	10745.7	10753.1	10761.3	10768.8	10704.4
70°	8376.8	8291.0	8385.9	8480.7	8575.6	8670.4	8710.8	8751.3	8792.5	8832.9	8862.6
72.5°	6522.6	6379.9	6450.0	6520.1	6591.1	6661.2	6601.0	6540.8	6480.6	6420.3	6610.9
75°	4952.2	4776.5	4767.4	4759.2	4750.1	4741.8	4711.3	4680.8	4649.5	4619.0	4797.1
77.5°	3792.5	3678.7	3684.4	3689.4	3695.2	3700.1	3668.8	3638.2	3606.9	3575.6	3644.0
80°	3143.4	3173.9	3174.7	3175.5	3176.4	3177.2	3147.5	3118.6	3088.9	3059.2	3009.7
82.5°	2519.8	2601.5	2600.6	2600.6	2599.8	2599.0	2597.3	2595.7	2593.2	2591.6	2510.7
85°	1805.5	1860.0	1803.9	1747.8	1691.7	1635.6	1676.8	1718.1	1760.2	1801.4	1767.6
87.5°	611.2	560.0	493.2	427.3	360.4	293.6	365.4	437.2	509.7	581.5	622.7
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: P597148
 CATALOG NUMBER: MSA-SA4C-835-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P597148

CATALOG NUMBER: MSA-SA4C-835-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3
2.5°	2162.7	2154.4	2147.0	2095.0	2042.2	1990.3	1937.5	2033.2	2129.7	2225.3	2321.0
5°	2741.7	2724.4	2707.9	2703.7	2699.6	2694.7	2690.5	2739.2	2787.9	2835.7	2884.4
7.5°	3107.9	3094.7	3081.5	3046.9	3013.0	2978.4	2943.8	2973.5	3002.3	3032.0	3060.9
10°	3386.7	3357.8	3328.9	3253.9	3179.7	3104.6	3029.5	3007.3	2985.0	2962.7	2940.5
12.5°	3744.7	3673.7	3603.6	3518.7	3432.9	3347.9	3262.1	3250.6	3239.0	3228.3	3216.8
15°	4024.3	4002.0	3979.7	3912.1	3844.5	3776.8	3709.2	3618.5	3526.9	3436.2	3345.4
17.5°	4021.8	3986.3	3951.7	4042.4	4132.3	4223.0	4312.9	4216.4	4119.1	4022.6	3926.1
20°	4147.2	4126.5	4106.7	4274.2	4440.8	4608.2	4774.8	4722.1	4668.4	4615.7	4562.0
22.5°	4477.1	4556.3	4634.6	4778.1	4920.8	5064.4	5207.0	5267.3	5327.5	5387.7	5447.9
25°	4823.5	4952.2	5080.8	5294.5	5507.3	5720.9	5934.5	5977.4	6020.3	6063.2	6106.1
27.5°	4684.9	4816.1	4947.2	5108.9	5269.7	5431.4	5592.2	5780.3	5969.2	6157.2	6345.3
30°	4640.4	4785.6	4929.9	5151.8	5372.8	5594.7	5816.6	6075.6	6334.6	6592.7	6851.7
32.5°	4677.5	4882.1	5086.6	5386.9	5686.3	5986.5	6286.7	6558.9	6831.9	7104.1	7376.3
35°	5143.5	5316.7	5489.1	5824.8	6160.5	6496.2	6831.9	7151.1	7470.3	7788.7	8107.9
37.5°	5588.1	5751.4	5914.7	6257.9	6600.2	6943.3	7286.4	7790.4	8295.1	8799.1	9303.1
40°	6223.2	6362.6	6501.2	6794.8	7088.4	7382.1	7675.7	8283.6	8891.5	9499.4	10107.3
42.5°	6949.0	7053.8	7157.7	7462.1	7766.4	8070.8	8375.2	9036.7	9699.0	10360.5	11022.0
45°	7837.4	7928.9	8020.5	8230.0	8439.5	8649.8	8859.3	9541.4	10223.6	10905.7	11587.8
47.5°	9010.3	8892.3	8774.4	8877.5	8980.6	9083.7	9186.8	9861.5	10536.2	11210.0	11884.7
50°	9755.9	9632.2	9508.4	9517.5	9525.8	9534.8	9543.9	10173.2	10802.6	11431.1	12060.4
52.5°	10747.3	10476.8	10207.1	10204.6	10202.1	10198.8	10196.3	10744.8	11294.2	11842.7	12391.2
55°	11560.6	11264.5	10968.4	10910.6	10852.9	10794.3	10736.6	11279.3	11821.2	12363.9	12905.8
57.5°	12257.5	11871.5	11486.3	11395.6	11304.9	11214.2	11123.4	11708.2	12293.8	12878.6	13463.4
60°	12567.7	12316.1	12065.4	11954.0	11842.7	11731.3	11620.0	12118.2	12616.3	13113.7	13611.9
62.5°	12411.0	12224.6	12039.0	12064.5	12090.1	12115.7	12141.2	12425.8	12711.2	12995.8	13280.3
65°	11750.3	11705.7	11662.0	11868.2	12074.4	12280.6	12486.8	12491.0	12495.1	12499.2	12503.3
67.5°	10640.1	10575.8	10511.4	10940.3	11368.4	11797.3	12226.2	12022.5	11818.7	11615.8	11412.1
70°	8891.5	8921.2	8950.0	9534.0	10117.2	10701.1	11285.1	10989.8	10693.7	10398.4	10102.3
72.5°	6801.4	6992.8	7183.3	7788.7	8394.1	8999.5	9604.9	9267.6	8929.4	8592.1	8253.9
75°	4975.3	5153.4	5331.6	5929.6	6527.6	7126.4	7724.4	7323.5	6922.7	6522.6	6121.8
77.5°	3712.5	3781.8	3850.2	4347.6	4844.1	5341.5	5838.0	5435.5	5033.0	4631.3	4228.8
80°	2961.1	2911.6	2862.9	3138.4	3413.9	3689.4	3964.9	3679.5	3393.3	3107.9	2822.5
82.5°	2430.7	2349.9	2269.9	2372.2	2474.4	2577.5	2679.8	2451.3	2222.9	1994.4	1765.9
85°	1733.8	1699.9	1666.1	1695.8	1724.7	1754.4	1784.1	1561.4	1338.7	1116.8	894.1
87.5°	663.1	704.4	745.6	792.6	838.8	885.8	932.0	730.0	527.9	326.6	124.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597148
 CATALOG NUMBER: MSA-SA4C-835-U-SLR

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: P597148
 CATALOG NUMBER: MSA-SA4C-835-U-SLR

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1792.3	1792.3
2.5°	2360.6	2400.2
5°	2883.5	2882.7
7.5°	3047.7	3033.7
10°	2904.2	2867.9
12.5°	3109.5	3001.5
15°	3238.2	3130.2
17.5°	3763.6	3600.3
20°	4368.2	4173.6
22.5°	5151.8	4855.7
25°	5752.2	5397.6
27.5°	6135.0	5923.8
30°	6610.1	6368.4
32.5°	7198.1	7019.2
35°	7944.6	7780.5
37.5°	9251.9	9200.0
40°	10045.4	9982.7
42.5°	11024.4	11026.1
45°	11624.9	11662.0
47.5°	11978.8	12072.0
50°	12260.8	12460.4
52.5°	12664.2	12937.2
55°	13268.8	13630.9
57.5°	13771.9	14080.4
60°	13771.9	13931.1
62.5°	13276.2	13271.2
65°	12426.6	12349.1
67.5°	11314.8	11217.5
70°	9950.5	9798.0
72.5°	8065.0	7875.3
75°	5861.9	5601.3
77.5°	4105.1	3980.5
80°	2882.7	2942.9
82.5°	1851.7	1937.5
85°	880.9	867.7
87.5°	103.9	83.3
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: P597148
CATALOG NUMBER: MSA-SA4C-835-U-SLR

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)