

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: P597104

Luminaire Tested: **MSA-SA4A-835-U-SLR**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P597104  
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-SA4A-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: 10949 lumens  
Efficiency: N/A  
Efficacy: 84.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

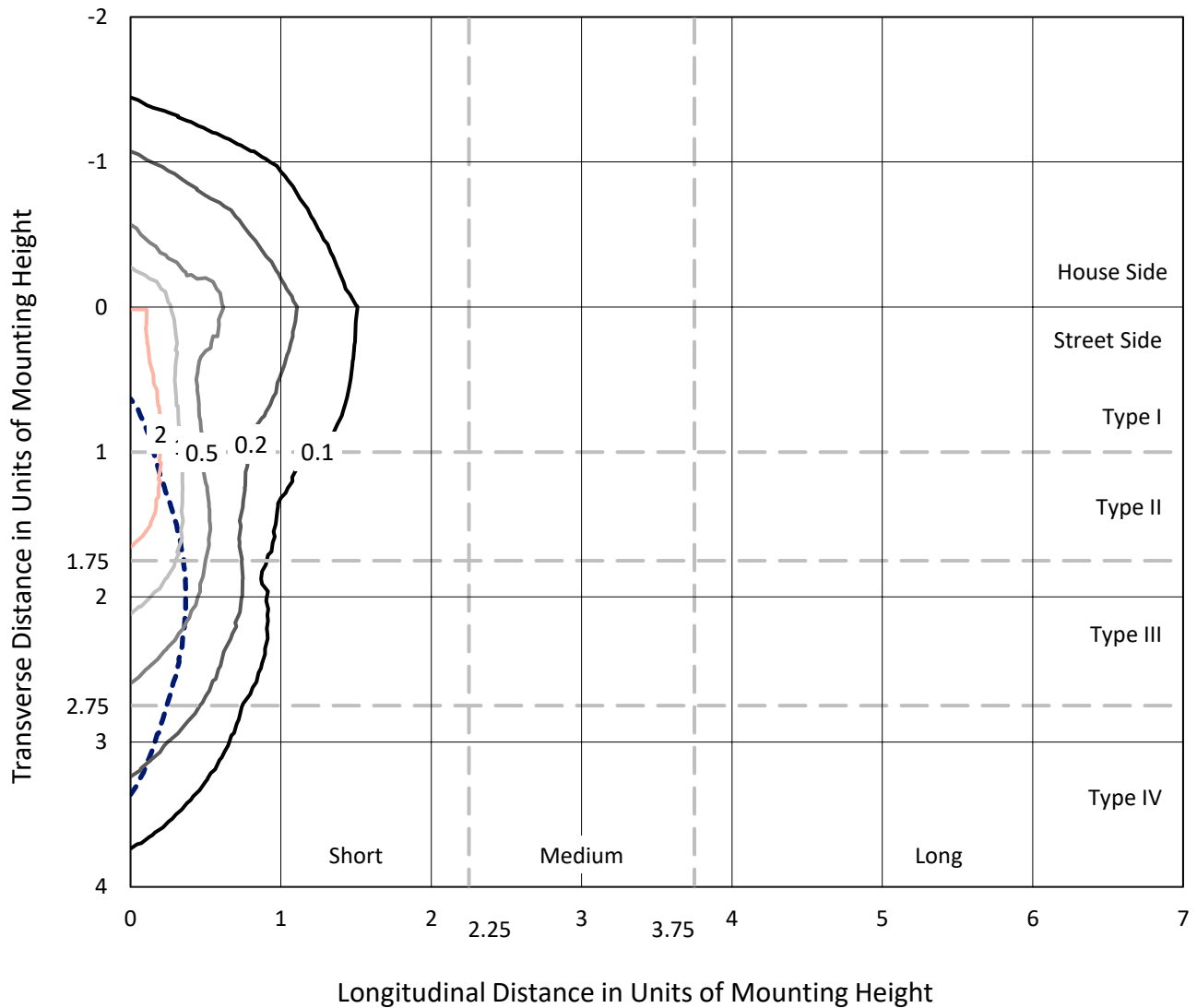
Input Watts (W): 129  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P597104  
 CATALOG NUMBER: MSA-SA4A-835-U-SLR

### Iso-Footcandle Lines of Horizontal Illumination

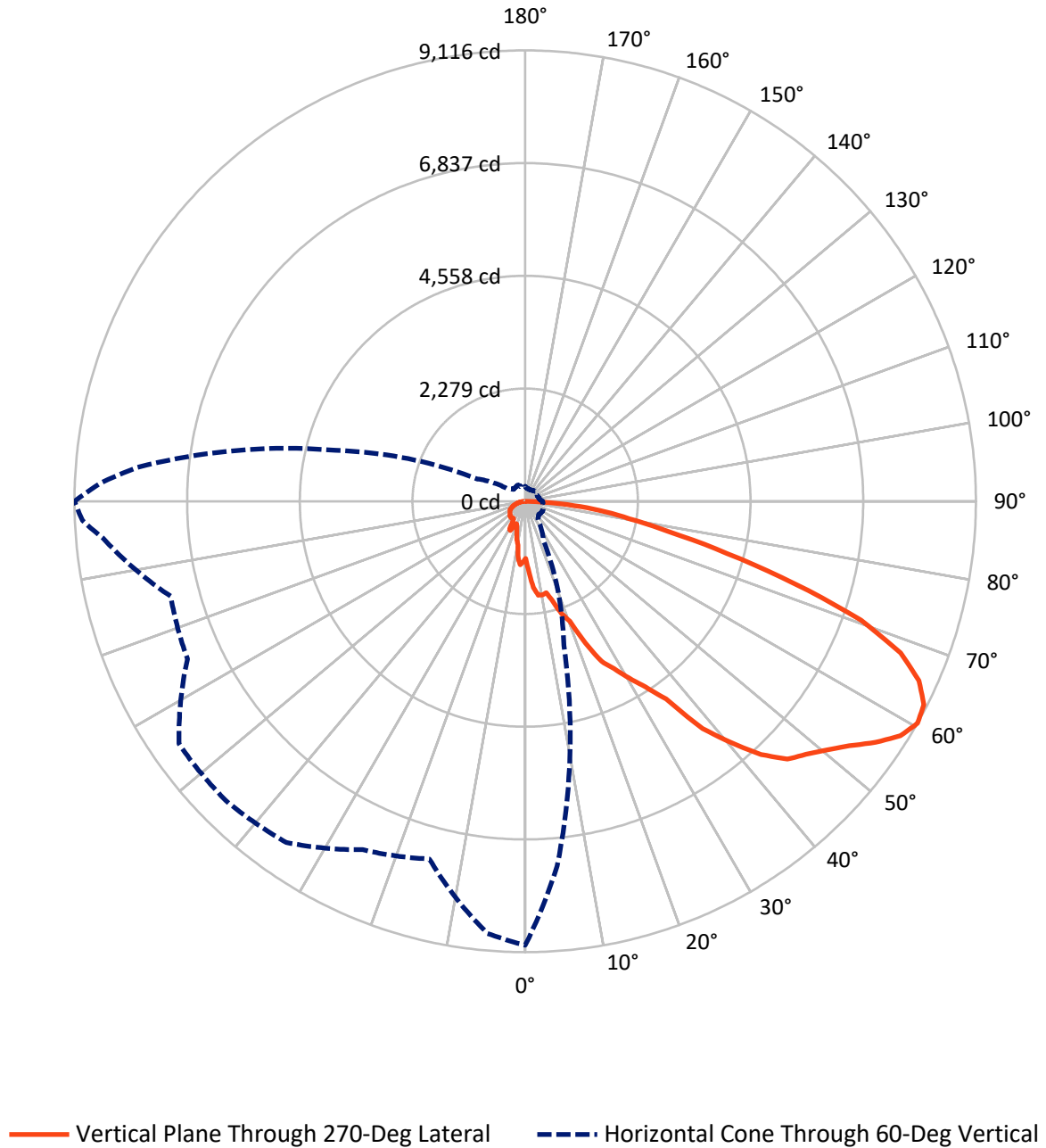
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc  
 Type IV - Short - N/A

REPORT NUMBER: P597104  
CATALOG NUMBER: MSA-SA4A-835-U-SLR

### Luminous Intensity Polar Plot



REPORT NUMBER: P597104

CATALOG NUMBER: MSA-SA4A-835-U-SLR

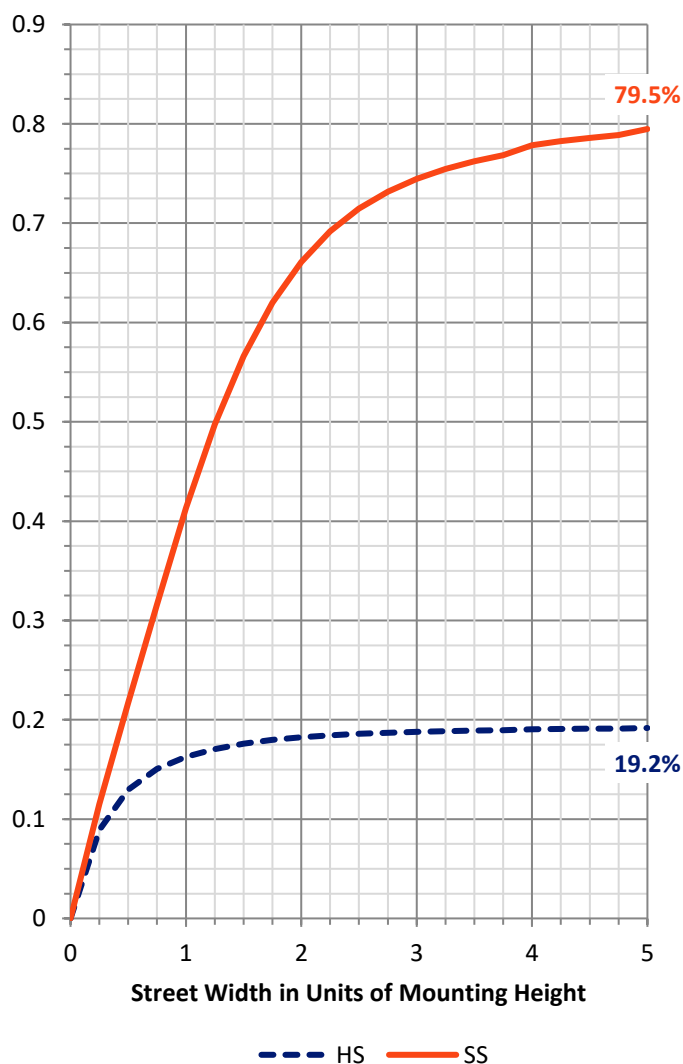
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2120.6	0.0	2120.6
	% Fixture	19.4	0.0	19.4
<b>Street Side</b>	Lumens	8828.4	0.0	8828.4
	% Fixture	80.6	0.0	80.6
<b>Total</b>	Lumens	10949.0	0.0	10949.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.4	1.2
10°-20°	384.7	3.5
20°-30°	679.2	6.2
30°-40°	1057.7	9.7
40°-50°	1741.4	15.9
50°-60°	2485.6	22.7
60°-70°	2635.6	24.1
70°-80°	1455.7	13.3
80°-90°	376.6	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°	10949.0	100.0
0°-180°	10949.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P597104

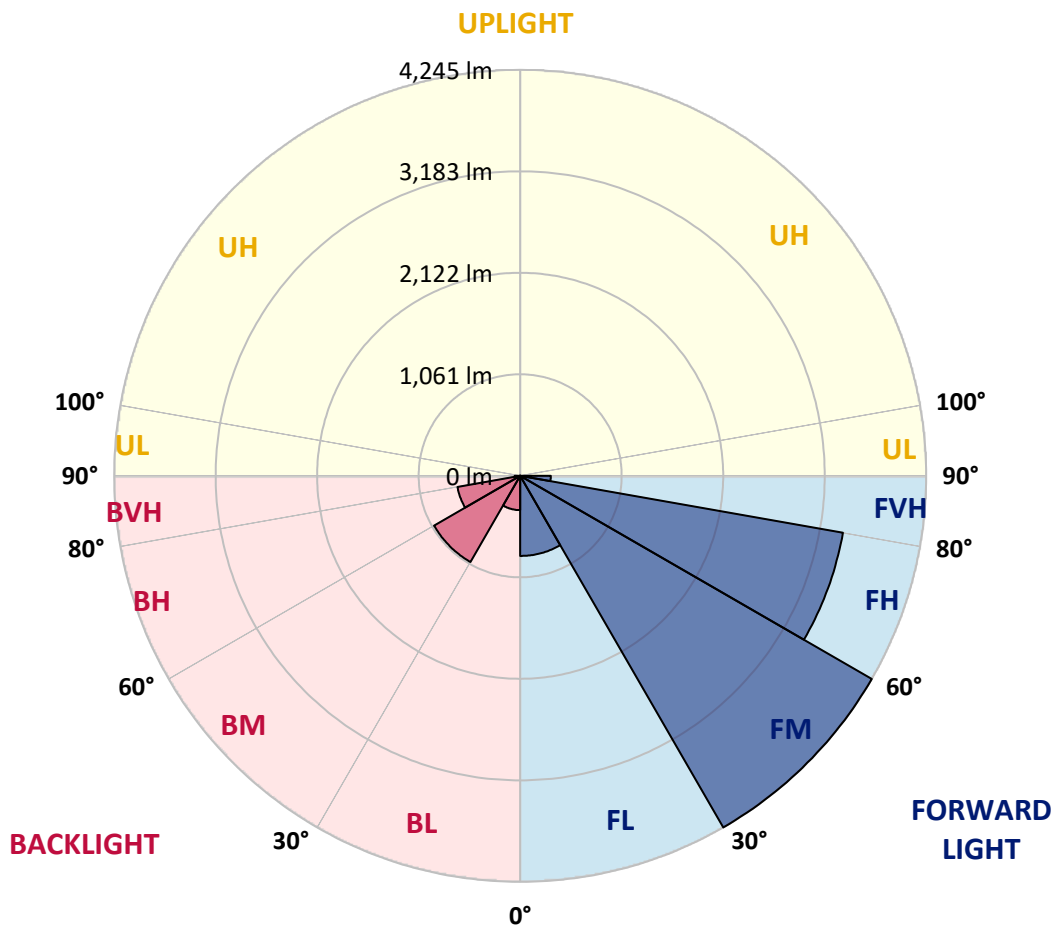
CATALOG NUMBER: MSA-SA4A-835-U-SLR

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	837.8	7.7			
FM (30°-60°)	4244.5	38.8			
FH (60°-80°)	3426.0	31.3			G2/5000
FVH (80°-90°)	320.1	2.9			G3/500
BL (0°-30°)	358.5	3.3	B1/500		
BM (30°-60°)	1040.2	9.5	B2/2500		
BH (60°-80°)	665.4	6.1	B2/1000		G2/1000
BVH (80°-90°)	56.5	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Short





REPORT NUMBER: P597104

CATALOG NUMBER: MSA-SA4A-835-U-SLR

**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8
2.5°	1546.5	1556.1	1565.1	1547.0	1529.0	1510.4	1492.3	1465.2	1437.6	1410.5	1382.8
5°	1857.4	1822.3	1786.7	1772.4	1758.6	1744.2	1729.9	1716.6	1703.3	1689.5	1676.2
7.5°	1954.7	1904.7	1854.2	1833.0	1811.7	1789.9	1768.7	1720.8	1673.0	1624.6	1576.8
10°	1847.8	1795.8	1743.1	1722.4	1701.2	1680.4	1659.2	1600.7	1542.8	1484.3	1425.9
12.5°	1933.9	1880.8	1827.1	1761.2	1695.3	1628.9	1563.0	1530.6	1498.1	1465.2	1432.8
15°	2016.8	1945.1	1872.8	1806.9	1741.0	1674.6	1608.7	1543.9	1479.0	1414.2	1349.3
17.5°	2319.8	2200.2	2080.6	1961.6	1842.0	1723.0	1603.4	1528.4	1453.0	1378.0	1302.6
20°	2689.1	2522.8	2355.9	2175.2	1994.0	1813.3	1632.1	1537.5	1443.4	1348.8	1254.2
22.5°	3128.6	2918.7	2708.8	2480.8	2252.8	2024.3	1796.3	1659.2	1522.1	1384.4	1247.3
25°	3477.8	3275.8	3073.9	2784.8	2495.7	2206.6	1917.5	1761.7	1606.0	1449.8	1294.1
27.5°	3816.9	3495.3	3173.3	2842.2	2511.6	2180.5	1849.4	1705.4	1561.4	1417.4	1273.3
30°	4103.3	3848.2	3593.1	3161.0	2729.0	2296.4	1864.3	1687.3	1510.4	1333.4	1156.4
32.5°	4522.6	4158.6	3794.0	3343.3	2892.7	2442.0	1991.3	1764.9	1538.5	1312.1	1085.7
35°	5013.1	4634.7	4256.4	3698.9	3141.9	2584.4	2026.9	1787.3	1547.0	1307.4	1067.1
37.5°	5927.8	5260.8	4593.3	3984.8	3376.3	2767.2	2158.7	1880.3	1601.8	1322.8	1044.3
40°	6432.1	5815.6	5199.1	4440.8	3682.4	2923.5	2165.1	1880.3	1594.9	1310.0	1024.6
42.5°	7104.4	6324.7	5544.6	4724.6	3905.1	3085.0	2265.0	1949.3	1633.7	1317.5	1001.8
45°	7514.1	6645.2	5775.8	4899.4	4023.1	3146.7	2270.3	1949.9	1629.4	1309.0	988.5
47.5°	7778.3	6943.9	6109.0	5165.7	4222.3	3278.5	2335.2	1995.1	1654.4	1314.3	973.6
50°	8028.6	7202.2	6375.2	5395.8	4416.9	3437.4	2457.9	2086.5	1715.0	1343.0	971.5
52.5°	8335.7	7574.7	6813.1	5762.5	4711.3	3660.6	2609.4	2205.0	1800.5	1396.1	991.7
55°	8782.7	8032.8	7282.4	6154.7	5026.4	3898.7	2770.4	2321.4	1872.8	1423.7	974.7
57.5°	9072.3	8311.8	7551.3	6401.3	5251.2	4100.6	2950.6	2453.2	1955.7	1457.8	960.3
60°	8976.1	8191.7	7406.8	6310.4	5214.0	4117.7	3021.3	2484.0	1947.2	1409.9	872.6
62.5°	8551.0	7717.1	6883.3	5901.2	4919.6	3937.5	2955.4	2409.0	1863.3	1316.9	770.6
65°	7956.8	7094.8	6232.3	5346.4	4460.4	3574.5	2688.6	2192.7	1696.4	1200.5	704.2
67.5°	7227.7	6329.0	5429.8	4645.4	3861.0	3076.0	2291.6	1877.1	1463.1	1048.5	634.0
70°	6313.1	5429.8	4546.5	3867.9	3189.2	2510.6	1831.9	1519.9	1208.5	896.6	584.6
72.5°	5074.3	4312.2	3550.1	3016.0	2481.9	1947.8	1413.6	1196.8	980.5	763.7	546.9
75°	3609.1	3161.0	2713.0	2297.4	1881.9	1465.7	1050.1	909.8	769.5	629.2	488.9
77.5°	2564.8	2300.6	2036.5	1710.7	1385.0	1059.2	733.4	651.0	569.2	486.8	404.4
80°	1896.2	1675.7	1455.1	1209.6	964.0	718.5	473.0	432.6	392.7	352.3	312.0
82.5°	1248.4	1149.0	1049.1	854.6	660.1	465.5	271.0	256.2	241.3	226.4	211.5
85°	559.1	590.4	621.3	502.2	382.6	263.6	144.0	137.1	130.2	123.3	116.4
87.5°	53.7	79.2	104.7	89.8	74.4	59.5	44.1	43.6	43.6	43.0	42.5
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: P597104  
 CATALOG NUMBER: MSA-SA4A-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: P597104

CATALOG NUMBER: MSA-SA4A-835-U-SLR

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8
2.5°	1390.3	1397.7	1405.1	1412.6	1404.6	1396.6	1388.1	1380.2	1370.1	1360.0	1349.3
5°	1653.9	1631.0	1608.7	1585.8	1551.8	1517.8	1483.3	1449.3	1445.0	1440.2	1436.0
7.5°	1534.8	1493.4	1451.4	1409.4	1356.3	1303.6	1250.5	1197.3	1181.4	1165.5	1149.5
10°	1397.7	1369.0	1340.8	1312.1	1279.2	1246.2	1212.8	1179.8	1136.2	1092.1	1048.5
12.5°	1386.0	1339.2	1291.9	1245.2	1225.0	1204.8	1184.6	1164.4	1126.1	1087.9	1049.1
15°	1311.6	1273.3	1235.6	1197.3	1168.1	1138.9	1109.7	1080.4	1049.6	1018.3	987.4
17.5°	1259.0	1215.4	1171.8	1128.3	1094.8	1061.3	1027.3	993.8	956.6	918.9	881.7
20°	1204.3	1154.8	1104.9	1054.9	1012.4	970.4	927.9	885.4	844.5	804.1	763.2
22.5°	1181.9	1116.6	1051.2	985.8	941.2	896.0	851.4	806.2	768.5	730.7	693.0
25°	1216.0	1138.4	1060.2	982.1	922.1	861.5	801.4	740.8	709.5	678.1	646.2
27.5°	1176.1	1078.3	981.1	883.3	819.0	754.1	689.8	625.0	620.2	615.4	610.1
30°	1053.9	951.3	848.7	746.2	687.2	627.6	568.6	509.1	498.0	486.3	475.1
32.5°	981.1	876.4	771.7	667.0	614.4	561.2	508.6	455.4	442.7	429.9	417.2
35°	953.4	839.7	726.0	612.2	567.1	521.9	476.7	431.5	422.5	414.0	405.0
37.5°	931.1	818.4	705.2	592.0	548.5	504.9	460.8	417.2	410.3	403.4	396.5
40°	909.8	795.6	680.8	566.0	527.2	488.9	450.1	411.3	407.1	402.8	398.1
42.5°	890.7	779.6	668.0	557.0	522.4	488.4	453.9	419.3	415.1	410.8	406.6
45°	880.1	771.7	663.2	554.8	529.9	504.9	479.4	454.4	444.3	434.2	423.6
47.5°	872.1	770.6	669.1	567.6	541.5	515.5	489.5	463.4	454.4	445.4	435.8
50°	873.7	776.4	678.7	580.9	549.5	517.6	486.3	454.4	453.3	452.3	451.2
52.5°	888.0	784.9	681.3	577.7	543.7	509.7	475.1	441.1	448.0	454.4	461.3
55°	867.3	760.0	652.1	544.7	512.3	480.4	448.0	415.6	424.6	433.1	442.2
57.5°	843.9	727.6	611.2	494.8	470.3	445.9	420.9	396.5	406.0	416.1	425.7
60°	766.3	660.1	553.8	447.5	431.0	414.5	398.1	381.6	385.8	390.1	394.3
62.5°	681.3	591.5	502.2	412.4	399.6	386.4	373.6	360.3	360.3	360.9	360.9
65°	627.1	550.0	473.0	395.9	381.6	367.2	352.3	338.0	335.9	333.7	331.6
67.5°	572.9	512.3	451.2	390.1	369.4	349.2	328.4	307.7	305.1	302.9	300.3
70°	530.4	476.2	422.0	367.8	344.4	321.5	298.1	274.8	272.6	271.0	268.9
72.5°	495.8	445.4	394.3	343.3	318.9	293.9	269.4	244.5	242.9	241.3	239.2
75°	443.8	399.1	353.9	308.8	284.9	261.5	237.6	213.6	211.5	209.9	207.8
77.5°	367.2	329.5	292.3	254.6	236.0	217.9	199.3	180.7	179.6	178.6	177.0
80°	282.7	253.5	223.7	194.5	182.3	169.5	157.3	144.6	144.0	143.5	142.4
82.5°	194.0	176.4	158.9	141.4	132.3	122.8	113.7	104.2	104.7	105.2	105.8
85°	110.5	104.2	98.3	91.9	84.5	77.6	70.2	62.7	64.3	65.9	67.0
87.5°	40.4	38.3	36.1	34.0	30.3	27.1	23.4	19.7	20.7	22.3	23.4
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: P597104  
 CATALOG NUMBER: MSA-SA4A-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: P597104

CATALOG NUMBER: MSA-SA4A-835-U-SLR

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8
2.5°	1339.2	1323.3	1307.4	1291.4	1275.5	1242.5	1210.1	1177.2	1144.2	1164.4	1185.1
5°	1431.2	1404.1	1376.4	1349.3	1321.7	1306.3	1290.9	1275.5	1260.1	1268.0	1276.5
7.5°	1133.6	1117.6	1101.2	1085.2	1068.7	1061.8	1055.5	1048.5	1041.6	1061.3	1081.0
10°	1004.4	982.1	959.8	936.9	914.6	901.3	888.0	874.8	861.5	866.8	872.1
12.5°	1010.8	977.9	944.9	912.0	879.0	859.3	839.7	820.0	800.4	805.1	809.9
15°	956.1	922.1	888.0	854.0	820.0	797.2	773.8	750.9	727.6	719.6	711.1
17.5°	843.9	806.7	769.5	732.3	695.1	679.7	664.3	648.9	633.5	625.0	616.5
20°	722.2	687.7	653.1	618.6	584.1	573.4	562.8	551.6	541.0	535.7	529.9
22.5°	655.3	634.0	612.2	591.0	569.2	557.0	545.3	533.0	520.8	515.0	508.6
25°	614.9	619.1	623.9	628.2	632.4	627.1	621.3	615.9	610.1	612.2	613.8
27.5°	605.3	614.4	623.9	633.0	642.0	646.8	651.6	656.3	661.1	662.7	664.3
30°	463.4	468.2	472.5	477.2	481.5	494.8	508.1	520.8	534.1	554.8	576.1
32.5°	404.4	402.8	401.2	399.1	397.5	400.7	403.9	406.6	409.7	417.2	425.2
35°	395.9	392.2	388.0	384.2	380.0	381.6	383.2	384.8	386.4	392.2	398.1
37.5°	389.6	388.0	386.9	385.3	383.7	387.4	390.6	394.3	397.5	402.3	407.1
40°	393.8	393.3	392.7	391.7	391.1	393.3	395.4	397.5	399.6	406.0	412.4
42.5°	402.3	402.3	401.8	401.8	401.2	403.4	405.0	407.1	408.7	412.4	416.1
45°	413.5	412.4	411.9	410.8	409.7	409.2	409.2	408.7	408.2	410.3	412.9
47.5°	426.8	423.0	418.8	415.1	410.8	409.7	408.2	407.1	405.5	406.6	407.6
50°	450.1	440.0	430.5	420.4	410.3	407.6	405.0	402.3	399.6	399.1	399.1
52.5°	467.7	452.8	437.9	423.0	408.2	403.4	398.6	393.8	389.0	388.0	387.4
55°	450.7	439.5	428.9	417.7	406.6	399.6	392.2	385.3	377.9	376.3	374.7
57.5°	435.3	428.3	421.4	414.5	407.6	400.7	393.3	386.4	378.9	375.2	371.5
60°	398.6	398.6	399.1	399.1	399.1	391.7	384.2	376.8	369.4	365.6	362.4
62.5°	360.9	366.7	372.0	377.9	383.2	373.1	362.4	352.3	341.7	339.1	336.9
65°	329.5	331.1	333.2	334.8	336.4	328.4	320.5	312.5	304.5	302.9	300.8
67.5°	297.6	297.1	296.5	295.5	295.0	290.2	284.9	280.1	274.8	272.6	270.5
70°	266.8	266.3	265.7	264.7	264.1	259.9	255.6	251.4	247.1	245.5	243.9
72.5°	237.6	237.0	236.0	235.4	234.4	230.6	227.5	223.7	220.0	217.9	215.8
75°	205.7	204.6	203.5	202.5	201.4	198.2	195.0	191.3	188.1	186.0	183.9
77.5°	175.9	174.3	172.7	170.6	169.0	166.3	163.2	160.5	157.3	154.7	152.5
80°	141.9	140.8	139.8	138.2	137.1	134.5	131.8	128.6	126.0	122.8	120.1
82.5°	106.3	105.8	104.7	104.2	103.1	100.4	97.8	95.1	92.5	89.3	86.1
85°	68.6	68.0	67.5	67.0	66.4	64.3	62.7	60.6	58.5	55.3	52.6
87.5°	24.4	23.4	22.9	21.8	20.7	20.2	19.1	18.6	17.5	15.9	14.3
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: P597104  
 CATALOG NUMBER: MSA-SA4A-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: P597104

CATALOG NUMBER: MSA-SA4A-835-U-SLR

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8
2.5°	1205.3	1225.5	1226.0	1226.0	1235.6	1244.6	1226.0	1207.4	1188.3	1169.7	1151.1
5°	1284.5	1292.5	1290.4	1287.7	1276.0	1264.3	1252.1	1239.9	1227.6	1215.4	1216.0
7.5°	1100.6	1120.3	1136.2	1151.6	1136.8	1121.9	1113.9	1105.9	1098.0	1090.0	1088.9
10°	876.9	882.2	888.6	894.4	885.4	875.8	891.8	907.7	923.1	939.1	921.5
12.5°	814.7	819.5	808.3	796.6	792.9	789.2	785.5	781.2	777.5	773.3	771.1
15°	703.1	694.6	686.1	677.1	674.9	672.3	669.6	666.4	663.8	660.6	651.0
17.5°	608.0	599.5	585.1	570.2	564.4	558.0	556.4	554.8	552.7	551.1	542.1
20°	524.5	518.7	515.0	510.7	504.9	499.0	493.2	487.3	481.0	475.1	466.6
22.5°	502.7	496.4	491.6	486.3	485.2	484.1	473.5	462.4	451.7	440.6	435.8
25°	615.9	617.5	588.3	558.6	555.9	553.2	534.1	514.4	495.3	475.6	459.2
27.5°	665.4	667.0	665.9	664.8	656.3	647.3	614.9	581.9	549.5	516.6	493.2
30°	596.8	617.5	625.5	633.5	627.6	621.3	587.2	553.8	519.8	485.7	470.3
32.5°	432.6	440.0	453.3	466.1	473.0	479.4	468.7	458.1	447.5	436.8	434.2
35°	403.4	409.2	411.9	414.5	410.3	406.0	398.1	390.1	381.6	373.6	372.0
37.5°	411.3	416.1	421.4	426.8	415.1	402.8	393.8	385.3	376.3	367.2	359.8
40°	418.8	425.2	428.3	431.5	419.8	408.2	397.0	386.4	375.2	364.0	356.6
42.5°	419.8	423.6	429.4	435.3	418.8	401.8	391.7	381.0	370.9	360.3	352.9
45°	415.1	417.2	422.5	427.8	408.7	389.0	380.0	370.4	361.4	351.8	345.4
47.5°	408.2	409.2	413.5	417.2	397.0	376.3	367.8	359.3	350.2	341.7	335.3
50°	398.6	398.1	401.2	403.9	383.2	362.4	353.9	346.0	337.5	329.0	323.7
52.5°	386.4	385.3	388.5	391.1	369.4	347.6	340.1	333.2	325.8	318.3	314.1
55°	372.5	370.9	373.6	376.3	355.0	333.2	326.8	319.9	313.6	306.6	302.9
57.5°	367.2	363.5	365.1	366.7	342.8	318.9	312.5	306.1	299.7	293.4	290.7
60°	358.7	355.0	356.6	357.7	332.2	306.1	300.3	293.9	288.0	281.7	279.0
62.5°	334.3	331.6	333.7	335.9	313.0	289.6	284.3	279.5	274.2	268.9	265.2
65°	299.2	297.1	301.3	305.6	285.9	266.3	263.1	259.9	256.2	253.0	249.2
67.5°	268.4	266.3	270.5	274.8	260.4	246.1	242.9	239.7	236.5	233.3	231.2
70°	242.3	240.7	244.5	248.2	236.0	223.7	220.6	217.9	214.7	211.5	209.9
72.5°	213.1	211.0	215.8	220.0	209.9	199.3	196.6	193.4	190.8	187.6	186.5
75°	181.8	179.6	183.9	187.6	180.7	173.3	170.6	167.9	165.3	162.6	162.1
77.5°	149.9	147.2	151.5	155.2	150.9	146.1	144.0	141.4	139.2	136.6	136.6
80°	116.9	113.7	116.9	119.6	118.0	116.4	114.8	112.7	111.1	108.9	109.5
82.5°	82.9	79.7	81.3	82.9	84.0	85.0	85.0	85.0	85.0	85.0	85.0
85°	49.4	46.2	46.8	47.3	48.9	50.5	51.0	51.6	52.1	52.6	53.1
87.5°	12.8	11.2	10.1	8.5	10.1	11.2	12.2	12.8	13.8	14.3	14.3
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: P597104  
 CATALOG NUMBER: MSA-SA4A-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: P597104  
 CATALOG NUMBER: MSA-SA4A-835-U-SLR

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8
2.5°	1132.5	1113.4	1094.8	1106.5	1117.6	1129.3	1140.5	1141.0	1141.0	1141.5	1141.5
5°	1217.0	1217.5	1218.1	1206.9	1196.3	1185.1	1174.0	1168.1	1162.3	1155.9	1150.1
7.5°	1087.3	1086.3	1084.7	1074.1	1063.4	1052.8	1042.2	1016.7	990.6	965.1	939.1
10°	903.5	885.9	867.9	863.6	859.9	855.6	851.4	844.5	838.1	831.2	824.3
12.5°	769.0	766.9	764.8	753.6	742.4	730.7	719.6	719.6	719.6	719.6	719.6
15°	640.9	631.4	621.3	615.9	610.1	604.8	598.9	596.3	593.6	591.0	588.3
17.5°	532.5	523.5	513.9	512.8	511.8	510.7	509.7	507.0	504.3	501.7	499.0
20°	458.1	449.6	441.1	444.3	447.5	450.1	453.3	450.7	448.0	444.8	442.2
22.5°	430.5	425.7	420.4	417.7	415.1	411.9	409.2	409.2	409.7	409.7	409.7
25°	443.2	426.8	410.3	402.3	394.3	385.8	377.9	374.7	372.0	368.8	365.6
27.5°	469.8	445.9	422.5	408.7	394.9	381.0	367.2	361.4	355.0	349.2	342.8
30°	454.4	439.0	423.0	407.1	391.1	375.2	359.3	351.8	344.4	336.4	329.0
32.5°	431.5	428.3	425.7	410.8	395.9	380.5	365.6	362.4	359.8	356.6	353.4
35°	369.9	368.3	366.2	362.4	358.7	355.0	351.3	347.0	342.8	338.5	334.3
37.5°	352.9	345.4	338.0	336.4	334.8	333.2	331.6	330.0	328.4	326.3	324.7
40°	349.2	341.7	334.3	331.6	329.0	325.8	323.1	323.7	324.7	325.2	325.8
42.5°	344.9	337.5	329.5	327.4	325.2	323.1	321.0	321.5	322.6	323.1	323.7
45°	339.6	333.2	326.8	323.1	319.9	316.2	312.5	315.7	318.9	321.5	324.7
47.5°	329.0	322.1	315.7	313.6	311.4	308.8	306.6	309.8	313.0	315.7	318.9
50°	317.8	312.5	306.6	306.1	305.6	304.5	304.0	306.1	308.2	310.4	312.5
52.5°	309.3	305.1	300.3	300.3	299.7	299.7	299.2	301.3	303.5	305.1	307.2
55°	299.7	296.0	292.3	292.8	293.9	294.4	295.0	297.1	299.7	301.9	304.0
57.5°	287.5	284.9	281.7	283.8	285.4	287.5	289.1	290.7	292.8	294.4	296.0
60°	275.8	273.2	270.0	272.1	274.8	276.9	279.0	280.6	282.2	283.8	285.4
62.5°	261.5	257.2	253.5	256.7	259.3	262.5	265.2	266.3	267.8	268.9	270.0
65°	246.1	242.3	238.6	240.7	242.9	244.5	246.6	248.2	249.8	251.4	253.0
67.5°	228.5	226.4	223.7	225.3	226.9	228.5	230.1	230.6	230.6	231.2	231.2
70°	207.8	206.2	204.1	205.1	206.7	207.8	208.9	208.9	208.9	208.3	208.3
72.5°	186.0	184.9	183.9	184.4	185.5	186.0	186.5	186.0	185.5	184.9	184.4
75°	161.6	161.0	160.5	161.0	162.1	162.6	163.2	162.6	161.6	161.0	160.0
77.5°	137.1	137.1	137.1	137.1	137.6	137.6	137.6	136.6	135.5	134.5	133.4
80°	110.0	110.5	111.1	111.1	111.1	111.1	111.1	110.0	108.9	107.4	106.3
82.5°	85.0	85.0	85.0	85.0	85.6	85.6	85.6	82.9	80.8	78.1	75.5
85°	53.1	53.7	53.7	54.2	54.7	54.7	55.3	51.6	48.4	44.6	40.9
87.5°	14.3	14.3	14.3	14.3	14.3	13.8	13.8	10.6	6.9	3.7	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: P597104  
 CATALOG NUMBER: MSA-SA4A-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: P597104

CATALOG NUMBER: MSA-SA4A-835-U-SLR

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8
2.5°	1144.7	1147.9	1150.6	1153.8	1154.3	1154.8	1154.8	1155.4	1144.2	1133.0	1121.4
5°	1158.0	1165.5	1173.4	1180.9	1179.3	1177.7	1176.1	1174.5	1171.3	1168.7	1165.5
7.5°	933.2	927.9	922.1	916.2	921.0	925.8	930.6	935.3	937.5	939.6	941.2
10°	811.0	797.7	784.4	771.1	763.7	755.7	748.3	740.3	739.2	738.7	737.6
12.5°	705.8	691.4	677.6	663.2	659.0	654.2	650.0	645.2	649.4	653.7	657.4
15°	582.5	577.2	571.3	565.5	570.2	575.0	579.8	584.6	588.8	592.6	596.8
17.5°	496.4	494.2	491.6	488.9	493.2	498.0	502.2	506.5	516.0	525.6	535.2
20°	440.0	438.4	436.3	434.2	432.6	430.5	428.9	426.8	440.6	453.9	467.7
22.5°	406.6	403.4	400.2	397.0	397.5	398.1	398.1	398.6	409.7	421.4	432.6
25°	364.6	363.5	362.4	361.4	364.6	367.8	370.4	373.6	383.7	393.8	403.4
27.5°	343.3	343.8	344.4	344.9	349.2	353.9	358.2	362.4	369.4	376.3	383.2
30°	331.6	334.8	337.5	340.1	341.7	343.3	344.9	346.5	353.4	359.8	366.7
32.5°	349.2	344.9	340.1	335.9	338.0	340.7	342.8	344.9	351.3	357.7	364.0
35°	332.7	330.6	329.0	326.8	329.5	332.2	334.3	336.9	342.8	348.1	353.9
37.5°	324.2	323.7	323.1	322.6	324.2	325.8	326.8	328.4	333.7	339.1	343.8
40°	323.7	321.0	318.9	316.2	317.8	319.4	320.5	322.1	328.4	334.8	341.2
42.5°	320.5	317.3	313.6	310.4	312.0	314.1	315.7	317.3	324.2	330.6	337.5
45°	319.9	315.1	309.8	305.1	307.2	309.3	311.4	313.6	318.9	324.2	329.0
47.5°	314.1	309.3	304.5	299.7	300.8	301.9	302.4	303.5	308.2	312.5	317.3
50°	309.3	305.6	302.4	298.7	297.1	296.0	294.4	292.8	296.5	300.3	304.0
52.5°	303.5	299.7	295.5	291.8	289.6	287.5	285.4	283.3	286.4	289.1	292.3
55°	299.7	295.0	290.7	285.9	283.3	280.6	277.9	275.3	277.4	279.0	281.1
57.5°	291.8	287.5	282.7	278.5	275.3	272.1	268.4	265.2	266.3	267.3	268.4
60°	281.1	276.4	272.1	267.3	263.6	259.9	255.6	251.9	252.4	253.5	254.0
62.5°	265.7	261.5	256.7	252.4	248.2	244.5	240.2	236.0	237.0	237.6	238.6
65°	248.7	243.9	239.7	234.9	231.2	227.5	223.2	219.5	220.6	221.6	222.1
67.5°	228.0	224.3	221.1	217.4	214.2	210.5	207.3	203.5	204.1	204.6	205.1
70°	205.7	202.5	199.8	196.6	194.0	191.3	188.7	186.0	186.0	186.5	186.5
72.5°	181.8	179.1	176.4	173.8	171.1	169.0	166.3	163.7	164.7	165.8	166.3
75°	157.3	155.2	152.5	149.9	147.7	145.6	143.0	140.8	141.9	143.0	143.5
77.5°	131.8	130.2	128.1	126.5	124.4	122.2	119.6	117.4	118.5	119.6	120.1
80°	105.2	104.2	102.6	101.5	99.4	97.3	95.1	93.0	93.5	93.5	94.1
82.5°	76.0	76.5	76.5	77.1	75.5	73.3	71.7	69.6	69.6	69.6	69.1
85°	42.5	44.6	46.2	47.8	46.2	44.6	43.0	41.5	40.9	40.9	40.4
87.5°	1.6	2.7	4.3	5.3	4.8	4.3	3.2	2.7	3.2	3.7	3.7
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: P597104  
 CATALOG NUMBER: MSA-SA4A-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: P597104

CATALOG NUMBER: MSA-SA4A-835-U-SLR

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8
2.5°	1110.2	1119.2	1128.3	1137.3	1146.3	1160.1	1174.0	1188.3	1202.7	1194.7	1186.2
5°	1162.3	1167.6	1173.4	1178.7	1184.1	1199.5	1214.4	1233.0	1251.0	1248.9	1246.2
7.5°	943.3	950.8	958.2	965.1	972.5	995.9	1019.3	1039.0	1058.6	1056.0	1052.8
10°	736.6	752.0	767.9	783.4	798.8	817.9	836.5	853.0	869.4	897.1	924.2
12.5°	661.7	685.6	709.5	733.4	757.3	771.1	784.4	805.7	826.9	841.8	857.2
15°	600.5	622.9	645.2	667.5	689.8	690.9	691.9	714.3	736.6	749.3	761.6
17.5°	544.7	557.0	569.2	580.9	593.1	588.8	584.6	595.2	605.3	610.6	616.5
20°	481.0	489.5	498.0	506.5	515.0	520.8	526.1	532.5	538.4	533.0	527.2
22.5°	443.8	456.5	469.8	482.6	495.3	499.0	502.2	498.5	494.8	493.2	491.6
25°	413.5	428.9	444.8	460.2	475.6	483.1	490.5	493.7	496.4	490.5	484.7
27.5°	390.1	408.7	426.8	445.4	463.4	476.7	490.0	493.7	496.9	492.7	487.9
30°	373.1	393.3	413.5	433.7	453.9	474.1	493.7	511.3	528.3	526.7	525.1
32.5°	370.4	384.2	398.1	411.9	425.7	438.4	450.7	451.7	452.3	448.0	443.2
35°	359.3	368.3	377.3	386.4	395.4	403.4	410.8	409.7	408.7	404.4	400.2
37.5°	349.2	358.2	367.8	376.8	385.8	399.6	412.9	410.3	407.1	402.8	398.6
40°	347.6	357.7	367.8	377.3	387.4	400.2	412.9	410.3	407.6	402.3	397.0
42.5°	343.8	353.9	363.5	373.6	383.2	398.6	413.5	408.7	403.4	399.1	394.9
45°	334.3	343.3	352.3	361.4	370.4	386.9	403.4	397.5	391.7	390.1	388.0
47.5°	321.5	330.6	339.6	348.6	357.7	374.1	390.1	385.3	380.0	379.5	378.4
50°	307.7	316.2	325.2	333.7	342.3	358.7	374.7	370.4	366.2	366.7	366.7
52.5°	295.0	302.9	310.4	318.3	325.8	342.3	358.2	355.0	351.3	352.3	352.9
55°	282.7	289.1	295.5	301.9	308.2	324.2	340.1	335.3	330.6	332.2	333.7
57.5°	269.4	274.8	280.1	284.9	290.2	306.1	321.5	316.2	310.4	313.0	315.1
60°	254.6	259.3	264.1	268.4	273.2	287.5	301.3	296.5	291.2	295.0	298.1
62.5°	239.2	242.9	246.6	250.3	254.0	267.3	280.6	276.9	273.2	277.4	281.1
65°	223.2	225.9	229.1	231.7	234.4	247.1	259.3	256.7	254.0	257.8	261.5
67.5°	205.7	207.8	210.5	212.6	214.7	226.4	238.1	235.4	232.2	235.4	238.1
70°	186.5	188.7	190.3	192.4	194.0	204.6	215.2	211.5	207.3	210.5	213.1
72.5°	167.4	168.5	170.1	171.1	172.2	180.2	188.1	184.9	181.8	184.9	187.6
75°	144.6	145.6	146.7	147.7	148.8	155.7	162.1	158.4	154.1	157.3	160.5
77.5°	121.2	121.7	122.8	123.3	123.8	128.6	132.9	129.1	124.9	128.6	132.3
80°	94.1	94.6	95.1	95.1	95.7	97.3	98.8	96.2	93.0	97.8	102.6
82.5°	69.1	68.6	68.6	68.0	67.5	67.5	67.0	65.4	63.2	67.5	71.7
85°	39.9	39.3	38.3	37.7	36.7	35.1	33.5	32.9	32.4	36.1	39.9
87.5°	4.3	3.7	2.7	2.1	1.1	0.5	0.0	0.0	0.0	2.1	4.8
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: P597104  
 CATALOG NUMBER: MSA-SA4A-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: P597104

CATALOG NUMBER: MSA-SA4A-835-U-SLR

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8
2.5°	1178.2	1169.7	1161.7	1153.8	1145.8	1137.8	1152.7	1167.6	1182.5	1197.3	1210.6
5°	1244.1	1241.5	1234.6	1228.2	1221.3	1214.4	1218.1	1222.3	1226.0	1229.8	1237.7
7.5°	1050.1	1047.0	1061.8	1076.2	1091.1	1105.4	1109.1	1112.3	1116.0	1119.2	1117.1
10°	951.8	978.9	985.8	992.2	999.1	1005.5	1016.1	1026.8	1036.9	1047.5	1053.3
12.5°	872.1	887.0	911.4	936.4	960.9	985.3	1001.2	1017.2	1033.1	1049.1	1082.0
15°	774.3	786.5	805.1	823.7	842.3	860.9	883.8	907.2	930.0	952.9	989.0
17.5°	621.8	627.1	640.9	654.7	668.0	681.8	712.7	743.0	773.8	804.1	845.5
20°	521.9	516.0	516.0	516.6	516.6	516.6	547.4	577.7	608.5	638.8	693.5
22.5°	489.5	487.9	482.0	475.6	469.8	463.4	479.4	495.8	511.8	527.7	572.4
25°	478.3	472.5	465.0	457.6	450.1	442.7	452.8	462.9	473.0	483.1	518.2
27.5°	483.6	478.8	482.6	485.7	489.5	492.7	495.8	499.0	502.2	505.4	517.6
30°	523.5	521.9	527.7	533.0	538.9	544.2	536.8	529.9	522.4	515.0	519.2
32.5°	439.0	434.2	432.1	429.9	427.8	425.7	425.2	424.6	423.6	423.0	432.6
35°	395.9	391.7	388.5	385.3	381.6	378.4	380.0	381.0	382.6	383.7	394.3
37.5°	394.3	390.1	386.4	382.6	378.4	374.7	376.3	378.4	380.0	381.6	389.6
40°	391.7	386.4	384.2	382.1	380.0	377.9	378.9	380.0	380.5	381.6	387.4
42.5°	390.1	385.8	384.8	383.7	382.6	381.6	382.6	383.7	384.2	385.3	392.2
45°	386.4	384.2	385.3	386.4	387.4	388.5	388.5	388.5	388.5	388.5	395.9
47.5°	377.9	376.8	380.0	383.2	386.4	389.6	394.9	400.2	405.0	410.3	411.9
50°	367.2	367.2	372.5	377.9	382.6	388.0	400.7	412.9	425.7	437.9	429.9
52.5°	353.9	354.5	362.4	369.9	377.9	385.3	397.0	408.7	419.8	431.5	419.8
55°	334.8	336.4	346.5	356.1	366.2	375.7	384.8	393.8	402.8	411.9	399.6
57.5°	317.8	319.9	330.6	340.7	351.3	361.4	366.7	372.5	377.9	383.2	375.2
60°	301.9	305.1	318.9	332.7	346.0	359.8	355.5	351.3	346.5	342.3	341.7
62.5°	285.4	289.1	301.9	314.6	326.8	339.6	333.2	326.8	319.9	313.6	316.2
65°	264.7	268.4	274.2	280.1	285.4	291.2	290.7	290.7	290.2	289.6	295.0
67.5°	241.3	243.9	247.7	250.8	254.6	257.8	259.9	262.5	264.7	266.8	273.2
70°	216.3	219.0	222.7	225.9	229.6	232.8	235.4	238.1	240.2	242.9	249.2
72.5°	190.8	193.4	197.2	200.9	204.1	207.8	209.9	212.0	213.6	215.8	221.1
75°	163.7	166.9	170.6	173.8	177.5	180.7	182.3	183.9	185.5	187.1	191.9
77.5°	136.1	139.8	143.5	147.2	150.9	154.7	155.2	155.7	156.2	156.8	161.0
80°	106.8	111.6	115.3	119.0	122.8	126.5	126.5	126.5	126.5	126.5	128.6
82.5°	76.0	80.2	84.5	88.2	92.5	96.2	96.2	95.7	95.7	95.1	95.1
85°	43.6	47.3	50.0	53.1	55.8	58.5	58.5	58.5	57.9	57.9	56.9
87.5°	6.9	9.0	10.1	11.7	12.8	13.8	13.3	13.3	12.8	12.2	10.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597104  
 CATALOG NUMBER: MSA-SA4A-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: P597104

CATALOG NUMBER: MSA-SA4A-835-U-SLR

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8
2.5°	1223.9	1237.2	1250.5	1248.4	1246.2	1244.1	1242.0	1250.0	1257.4	1265.4	1272.8
5°	1245.2	1253.2	1260.6	1266.4	1272.3	1278.1	1284.0	1311.1	1337.7	1364.8	1391.3
7.5°	1115.0	1112.3	1110.2	1135.2	1160.7	1185.7	1210.6	1245.2	1279.7	1314.3	1348.8
10°	1059.2	1065.0	1070.9	1081.0	1091.6	1101.7	1111.8	1145.8	1179.8	1213.8	1247.8
12.5°	1114.4	1147.4	1179.8	1187.8	1196.3	1204.3	1212.2	1219.1	1226.0	1232.4	1239.3
15°	1025.2	1061.3	1097.4	1118.2	1138.9	1159.1	1179.8	1231.9	1283.4	1335.5	1387.1
17.5°	886.5	927.9	968.8	1019.8	1070.9	1121.9	1172.9	1220.7	1268.6	1315.9	1363.7
20°	748.3	802.5	857.2	913.0	968.3	1024.1	1079.4	1126.1	1172.9	1219.1	1265.9
22.5°	616.5	661.1	705.2	773.3	840.7	908.8	976.3	1063.4	1150.1	1237.2	1323.8
25°	552.7	587.8	622.3	692.5	762.6	832.2	902.4	1015.6	1128.3	1241.5	1354.1
27.5°	530.4	542.6	554.8	618.6	681.8	745.6	808.9	931.1	1053.3	1175.0	1297.3
30°	523.5	527.7	532.0	581.9	631.9	681.8	731.8	852.4	973.6	1094.2	1214.9
32.5°	441.6	451.2	460.2	509.1	557.5	606.4	654.7	776.4	897.6	1019.3	1140.5
35°	405.0	415.6	426.2	474.1	521.9	569.2	617.0	745.1	873.7	1001.8	1129.9
37.5°	397.5	405.5	413.5	467.7	521.9	576.1	630.3	760.0	889.6	1019.3	1149.0
40°	393.8	399.6	405.5	458.1	511.3	563.9	616.5	752.5	888.0	1024.1	1159.6
42.5°	398.6	405.5	411.9	459.7	507.0	554.8	602.1	743.0	883.3	1024.1	1164.4
45°	402.8	410.3	417.2	461.8	506.5	551.1	595.8	746.2	896.0	1046.4	1196.3
47.5°	412.9	414.5	415.6	454.4	492.7	531.4	569.7	722.8	875.8	1028.3	1181.4
50°	421.4	413.5	405.0	445.4	485.2	525.6	565.5	710.5	855.6	1000.2	1145.3
52.5°	408.2	395.9	384.2	427.8	471.4	514.4	558.0	703.1	848.7	993.8	1138.9
55°	388.0	375.7	363.5	407.6	451.7	495.8	540.0	684.5	829.6	974.1	1118.7
57.5°	367.8	359.8	351.8	388.0	424.6	460.8	496.9	653.7	809.9	966.7	1122.9
60°	341.2	340.1	339.6	367.8	396.5	424.6	452.8	606.4	759.4	913.0	1066.1
62.5°	318.3	321.0	323.1	346.0	368.8	391.1	414.0	562.3	711.1	859.3	1007.6
65°	300.8	306.1	311.4	337.5	363.5	389.0	415.1	539.4	663.8	788.1	912.5
67.5°	279.5	285.9	292.3	326.3	360.3	394.3	428.3	530.9	633.5	736.1	838.6
70°	255.1	261.5	267.3	310.9	353.9	397.5	440.6	531.4	622.9	713.7	804.6
72.5°	226.4	231.7	237.0	283.8	330.6	377.3	424.1	501.2	578.2	654.7	731.8
75°	197.2	201.9	206.7	247.1	287.5	327.9	368.3	427.8	486.8	546.3	605.3
77.5°	164.7	169.0	172.7	199.8	226.9	254.0	281.1	326.8	372.0	417.7	462.9
80°	130.7	132.9	135.0	150.9	166.3	182.3	197.7	228.0	258.3	288.0	318.3
82.5°	95.7	95.7	95.7	105.8	116.4	126.5	136.6	152.0	166.9	182.3	197.2
85°	55.8	54.2	53.1	60.1	67.0	73.9	80.8	87.2	93.5	99.9	106.3
87.5°	9.0	6.9	5.3	9.6	13.8	18.1	22.3	24.4	27.1	29.2	31.4
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: P597104  
 CATALOG NUMBER: MSA-SA4A-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: P597104

CATALOG NUMBER: MSA-SA4A-835-U-SLR

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8
2.5°	1254.7	1237.2	1219.1	1201.1	1227.6	1254.2	1280.8	1307.4	1378.0	1420.0	1422.7
5°	1413.6	1436.0	1458.3	1480.6	1502.9	1525.3	1547.0	1569.4	1684.2	1754.8	1768.1
7.5°	1385.5	1422.7	1459.4	1496.0	1559.3	1622.5	1685.7	1749.0	1846.2	1916.4	1962.6
10°	1293.5	1339.2	1385.0	1430.7	1505.6	1581.1	1656.0	1730.9	1834.0	1926.5	1970.6
12.5°	1312.1	1385.0	1457.2	1530.0	1594.9	1660.2	1725.1	1789.9	1861.1	1896.2	1976.5
15°	1437.6	1488.1	1538.5	1589.0	1686.8	1784.1	1881.9	1979.1	2019.5	2099.7	2172.0
17.5°	1456.7	1549.2	1642.2	1734.6	1854.2	1973.8	2093.4	2212.9	2287.9	2391.5	2478.7
20°	1397.2	1527.9	1659.2	1789.9	1944.0	2098.7	2252.8	2406.9	2502.1	2589.2	2724.2
22.5°	1468.4	1612.9	1757.0	1901.5	2106.1	2310.2	2514.8	2718.9	2917.6	3112.2	3203.6
25°	1547.0	1740.5	1933.4	2126.3	2381.9	2637.0	2892.7	3147.8	3403.4	3585.7	3690.9
27.5°	1491.8	1685.7	1880.3	2074.2	2390.4	2707.2	3023.4	3339.6	3613.3	3832.8	3923.1
30°	1453.0	1691.1	1929.2	2167.2	2538.2	2909.1	3280.1	3651.0	3904.0	4149.0	4281.9
32.5°	1446.1	1751.6	2056.7	2362.3	2794.3	3225.9	3657.9	4089.5	4257.4	4474.8	4653.9
35°	1465.2	1801.1	2136.4	2471.8	2967.1	3462.4	3957.2	4452.5	4691.1	4906.3	5063.1
37.5°	1523.7	1898.3	2272.5	2647.1	3244.0	3841.3	4438.1	5034.9	5435.1	5828.9	5899.1
40°	1556.6	1954.1	2351.1	2748.1	3442.2	4136.3	4830.3	5524.4	5984.6	6416.7	6445.9
42.5°	1595.4	2026.4	2456.9	2887.9	3657.4	4427.5	5197.0	5966.6	6536.3	7000.7	7014.6
45°	1640.0	2083.3	2527.0	2970.3	3773.8	4576.8	5380.4	6183.4	6872.1	7436.5	7298.9
47.5°	1657.6	2134.3	2610.5	3086.6	3943.3	4799.5	5656.2	6512.4	7130.4	7643.8	7512.0
50°	1664.5	2184.2	2703.5	3222.7	4110.2	4998.3	5885.8	6773.3	7402.0	7902.6	7700.7
52.5°	1707.5	2276.2	2844.8	3413.5	4338.2	5262.9	6187.6	7112.4	7731.0	8211.9	7961.1
55°	1765.5	2412.2	3058.5	3705.2	4662.4	5619.0	6576.1	7532.7	8153.5	8600.9	8290.0
57.5°	1819.1	2515.9	3212.1	3908.3	4899.9	5892.2	6883.8	7875.5	8504.2	8946.9	8645.6
60°	1793.1	2520.1	3247.1	3974.2	4948.8	5923.0	6897.6	7871.8	8585.5	9116.4	8962.3
62.5°	1714.4	2421.3	3127.6	3834.4	4759.6	5684.4	6609.6	7534.3	8369.8	9050.5	9043.6
65°	1563.0	2213.5	2863.4	3513.9	4370.1	5226.8	6082.9	6939.1	7923.9	8750.8	8804.5
67.5°	1378.6	1918.5	2458.5	2998.4	3804.6	4610.8	5417.0	6223.2	7276.0	8188.5	8234.8
70°	1200.0	1595.9	1991.3	2386.7	3094.6	3802.5	4509.9	5217.7	6281.2	7204.3	7246.8
72.5°	990.6	1249.4	1507.7	1766.5	2340.0	2913.4	3486.3	4059.7	4993.5	5703.5	5943.2
75°	758.9	912.5	1066.1	1219.7	1683.6	2147.6	2611.0	3075.0	3695.7	4219.7	4489.7
77.5°	542.6	622.3	702.0	781.8	1176.1	1570.4	1964.2	2358.6	2684.9	2981.9	3164.2
80°	356.1	393.3	431.0	468.2	796.1	1124.0	1451.4	1779.3	1978.0	2137.5	2229.4
82.5°	215.8	234.4	252.4	271.0	536.8	802.5	1067.7	1333.4	1447.1	1523.1	1605.0
85°	116.4	126.5	136.6	146.7	317.3	487.3	657.9	828.0	839.2	848.2	969.9
87.5°	34.0	37.2	39.9	42.5	70.2	98.3	126.0	153.6	95.7	59.5	122.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597104  
 CATALOG NUMBER: MSA-SA4A-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: P597104

CATALOG NUMBER: MSA-SA4A-835-U-SLR

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8
2.5°	1407.3	1400.4	1393.5	1386.0	1379.1	1349.9	1321.2	1291.9	1262.7	1290.9	1318.5
5°	1752.7	1774.0	1794.7	1816.0	1837.2	1838.8	1839.9	1841.5	1842.5	1847.8	1853.2
7.5°	2001.4	2039.2	2076.4	2114.1	2151.8	2181.1	2210.3	2240.0	2269.3	2242.7	2216.1
10°	2022.7	2102.4	2182.1	2261.8	2341.6	2355.9	2369.7	2384.1	2398.4	2417.6	2436.2
12.5°	2043.9	2141.2	2237.9	2335.2	2432.4	2474.9	2516.9	2559.4	2601.4	2622.2	2642.4
15°	2268.7	2326.1	2383.0	2440.4	2497.3	2526.5	2555.2	2584.4	2613.7	2631.2	2648.2
17.5°	2557.9	2579.1	2599.8	2621.1	2642.4	2662.0	2681.7	2701.3	2721.0	2724.2	2727.4
20°	2821.5	2825.7	2829.4	2833.7	2837.4	2795.9	2755.0	2713.6	2672.1	2679.6	2686.5
22.5°	3216.8	3193.5	3170.6	3147.2	3124.4	3046.3	2968.7	2890.5	2812.9	2779.5	2746.5
25°	3812.1	3752.5	3693.0	3633.5	3574.0	3449.6	3325.8	3201.4	3077.6	3004.8	2932.5
27.5°	4003.9	3874.2	3745.1	3615.4	3485.8	3391.7	3298.2	3204.1	3110.6	2995.2	2879.9
30°	4391.9	4187.3	3983.2	3778.6	3574.0	3483.1	3392.2	3300.8	3209.9	3092.0	2974.5
32.5°	4735.7	4523.1	4310.6	4097.5	3884.9	3712.7	3540.5	3368.3	3196.1	3116.4	3036.7
35°	5133.8	4866.5	4599.1	4331.8	4064.5	3916.8	3769.6	3621.8	3474.6	3354.0	3233.9
37.5°	5713.6	5429.3	5144.9	4860.1	4575.8	4375.9	4176.6	3976.8	3777.5	3711.1	3645.2
40°	6266.3	5930.4	5595.1	5259.2	4923.9	4770.8	4617.7	4464.2	4311.1	4199.0	4086.8
42.5°	6729.2	6397.0	6065.4	5733.2	5401.6	5290.0	5178.9	5067.3	4956.3	4863.8	4771.3
45°	6888.1	6617.0	6346.5	6075.5	5804.5	5765.1	5726.3	5687.0	5648.2	5579.7	5511.1
47.5°	7143.7	6867.4	6591.5	6315.2	6038.8	6053.2	6067.5	6082.4	6096.8	6100.5	6103.7
50°	7294.1	7031.6	6769.6	6507.0	6245.0	6314.7	6383.7	6453.4	6523.0	6680.8	6838.1
52.5°	7513.6	7255.8	6998.6	6740.9	6483.1	6601.1	6718.6	6836.5	6954.0	7175.1	7396.1
55°	7788.9	7542.3	7296.2	7049.6	6803.6	6918.4	7032.6	7147.4	7261.7	7507.8	7753.8
57.5°	8154.0	7889.9	7626.3	7362.1	7098.5	7204.3	7309.5	7415.3	7520.5	7754.3	7988.2
60°	8569.6	8282.6	7995.6	7708.1	7421.1	7450.4	7479.1	7508.3	7537.0	7790.5	8043.4
62.5°	8773.7	8507.9	8242.7	7977.0	7711.3	7630.0	7548.7	7466.8	7385.5	7612.4	7838.8
65°	8596.7	8413.9	8231.6	8048.8	7865.9	7722.5	7579.5	7436.0	7292.5	7434.4	7575.8
67.5°	8033.4	7929.7	7826.6	7723.0	7619.4	7378.6	7137.9	6896.6	6655.8	6665.4	6674.4
70°	7120.3	7092.7	7065.6	7038.0	7010.3	6648.4	6287.0	5925.1	5563.2	5507.9	5452.6
72.5°	5963.4	5981.4	5999.0	6017.0	6035.1	5646.1	5257.1	4868.1	4479.0	4387.1	4295.2
75°	4618.8	4718.7	4818.6	4919.1	5019.0	4647.0	4275.0	3902.4	3530.4	3417.2	3304.0
77.5°	3263.6	3450.2	3636.2	3822.7	4009.2	3672.8	3337.0	3000.5	2664.1	2590.8	2517.5
80°	2275.7	2367.1	2458.5	2549.9	2641.3	2472.3	2303.3	2134.3	1965.3	1985.5	2005.1
82.5°	1657.6	1678.8	1699.6	1720.8	1742.1	1673.0	1603.9	1534.3	1465.2	1517.8	1570.4
85°	1061.8	1137.8	1213.3	1289.3	1364.8	1288.2	1211.7	1134.6	1058.1	1093.2	1128.3
87.5°	237.6	375.7	513.9	652.6	790.8	716.4	642.5	568.1	493.7	460.2	427.3
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: P597104  
 CATALOG NUMBER: MSA-SA4A-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: P597104

CATALOG NUMBER: MSA-SA4A-835-U-SLR

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8
2.5°	1346.7	1374.9	1366.3	1358.4	1349.9	1341.4	1356.8	1372.2	1388.1	1403.6	1398.2
5°	1859.0	1864.3	1813.8	1763.9	1713.4	1662.9	1694.3	1725.6	1757.0	1788.3	1777.2
7.5°	2189.6	2163.0	2133.8	2104.5	2074.8	2045.5	2039.2	2032.8	2025.9	2019.5	2011.0
10°	2455.3	2473.9	2454.8	2436.2	2417.0	2397.9	2353.2	2308.6	2263.4	2218.8	2200.2
12.5°	2663.1	2683.8	2688.6	2692.8	2697.6	2702.4	2652.5	2603.0	2553.1	2503.1	2457.9
15°	2665.7	2683.3	2698.7	2713.6	2729.0	2743.9	2713.0	2682.7	2651.9	2621.1	2606.7
17.5°	2731.1	2734.3	2721.5	2709.3	2696.6	2684.3	2672.1	2660.4	2648.2	2636.5	2613.7
20°	2693.9	2701.3	2699.8	2698.2	2696.0	2694.4	2695.5	2696.0	2697.1	2697.6	2684.9
22.5°	2713.0	2679.6	2686.5	2692.8	2699.8	2706.1	2725.3	2744.4	2764.1	2783.2	2834.2
25°	2859.7	2786.9	2775.7	2765.1	2754.0	2743.3	2793.3	2842.7	2892.7	2942.6	3025.5
27.5°	2764.1	2648.7	2623.2	2597.7	2572.2	2546.7	2622.7	2698.2	2774.2	2850.1	2934.6
30°	2856.5	2739.1	2682.7	2626.4	2569.5	2513.2	2586.0	2658.3	2731.1	2803.4	2896.9
32.5°	2957.0	2877.3	2839.5	2802.3	2764.6	2727.4	2733.2	2739.1	2744.9	2750.8	2882.6
35°	3113.2	2992.6	2955.4	2918.2	2881.0	2843.8	2906.0	2967.6	3029.8	3091.4	3203.0
37.5°	3578.8	3512.3	3445.4	3378.4	3310.9	3244.0	3280.6	3317.3	3354.0	3390.6	3495.9
40°	3974.7	3862.6	3851.4	3840.8	3829.6	3818.4	3821.6	3824.3	3827.5	3830.7	3920.5
42.5°	4678.3	4585.9	4529.0	4472.1	4415.3	4358.4	4354.7	4351.0	4346.7	4343.0	4410.5
45°	5442.0	5373.5	5330.9	5288.4	5245.4	5202.9	5135.4	5067.9	4999.9	4932.4	4991.3
47.5°	6107.4	6111.1	6188.2	6264.7	6341.8	6418.8	6303.5	6188.2	6072.8	5957.5	5881.5
50°	6996.0	7153.3	7171.9	7189.9	7208.5	7227.1	7031.6	6836.5	6641.0	6445.4	6365.7
52.5°	7617.8	7838.8	7810.1	7782.0	7753.3	7724.6	7611.4	7498.7	7385.5	7272.3	7098.5
55°	8000.4	8246.5	8224.7	8203.4	8181.6	8159.8	8077.5	7995.1	7912.7	7830.3	7639.5
57.5°	8222.0	8455.9	8462.2	8468.6	8475.0	8481.4	8459.6	8437.8	8416.0	8394.2	8146.0
60°	8296.9	8550.4	8553.1	8555.2	8557.9	8560.0	8525.5	8490.9	8455.9	8421.3	8259.2
62.5°	8065.8	8292.2	8302.3	8311.8	8321.9	8332.0	8308.1	8284.2	8260.3	8236.4	8116.3
65°	7717.7	7859.6	7862.2	7864.4	7867.0	7869.7	7809.1	7749.0	7688.4	7627.9	7599.2
67.5°	6684.0	6693.6	6749.9	6806.2	6862.6	6918.9	6923.7	6928.5	6933.8	6938.6	6897.1
70°	5397.4	5342.1	5403.2	5464.3	5525.5	5586.6	5612.6	5638.7	5665.2	5691.3	5710.4
72.5°	4202.7	4110.7	4155.9	4201.1	4246.8	4292.0	4253.2	4214.4	4175.6	4136.8	4259.5
75°	3190.8	3077.6	3071.8	3066.4	3060.6	3055.3	3035.6	3016.0	2995.8	2976.1	3090.9
77.5°	2443.6	2370.3	2374.0	2377.2	2380.9	2384.1	2363.9	2344.2	2324.0	2303.8	2347.9
80°	2025.3	2045.0	2045.5	2046.1	2046.6	2047.1	2028.0	2009.4	1990.3	1971.1	1939.2
82.5°	1623.6	1676.2	1675.7	1675.7	1675.1	1674.6	1673.5	1672.5	1670.9	1669.8	1617.7
85°	1163.3	1198.4	1162.3	1126.1	1090.0	1053.9	1080.4	1107.0	1134.1	1160.7	1138.9
87.5°	393.8	360.9	317.8	275.3	232.2	189.2	235.4	281.7	328.4	374.7	401.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597104  
 CATALOG NUMBER: MSA-SA4A-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: P597104

CATALOG NUMBER: MSA-SA4A-835-U-SLR

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8	1154.8
2.5°	1393.5	1388.1	1383.4	1349.9	1315.9	1282.4	1248.4	1310.0	1372.2	1433.8	1495.5
5°	1766.5	1755.4	1744.7	1742.1	1739.4	1736.2	1733.6	1764.9	1796.3	1827.1	1858.5
7.5°	2002.5	1994.0	1985.5	1963.2	1941.4	1919.1	1896.7	1915.9	1934.5	1953.6	1972.2
10°	2182.1	2163.5	2144.9	2096.6	2048.7	2000.4	1952.0	1937.7	1923.3	1909.0	1894.6
12.5°	2412.8	2367.1	2321.9	2267.2	2211.9	2157.1	2101.9	2094.4	2087.0	2080.1	2072.6
15°	2592.9	2578.6	2564.2	2520.7	2477.1	2433.5	2389.9	2331.5	2272.5	2214.0	2155.5
17.5°	2591.3	2568.5	2546.2	2604.6	2662.5	2721.0	2778.9	2716.8	2654.0	2591.9	2529.7
20°	2672.1	2658.8	2646.1	2754.0	2861.3	2969.2	3076.5	3042.5	3008.0	2974.0	2939.4
22.5°	2884.7	2935.7	2986.2	3078.7	3170.6	3263.1	3355.0	3393.8	3432.6	3471.4	3510.2
25°	3107.9	3190.8	3273.7	3411.4	3548.5	3686.1	3823.8	3851.4	3879.0	3906.7	3934.3
27.5°	3018.6	3103.1	3187.6	3291.8	3395.4	3499.6	3603.2	3724.4	3846.1	3967.3	4088.4
30°	2989.9	3083.5	3176.5	3319.4	3461.8	3604.8	3747.8	3914.6	4081.5	4247.9	4414.7
32.5°	3013.8	3145.6	3277.4	3470.9	3663.8	3857.2	4050.7	4226.1	4402.0	4577.4	4752.7
35°	3314.1	3425.7	3536.8	3753.1	3969.4	4185.7	4402.0	4607.6	4813.3	5018.5	5224.1
37.5°	3600.6	3705.8	3811.0	4032.1	4252.6	4473.7	4694.8	5019.5	5344.8	5669.5	5994.2
40°	4009.8	4099.6	4188.9	4378.1	4567.3	4756.4	4945.6	5337.3	5729.0	6120.7	6512.4
42.5°	4477.4	4544.9	4611.9	4808.0	5004.1	5200.2	5396.3	5822.5	6249.3	6675.5	7101.7
45°	5049.8	5108.8	5167.8	5302.8	5437.8	5573.3	5708.3	6147.8	6587.3	7026.8	7466.3
47.5°	5805.5	5729.5	5653.5	5720.0	5786.4	5852.8	5919.3	6354.0	6788.7	7222.9	7657.6
50°	6286.0	6206.2	6126.5	6132.4	6137.7	6143.5	6149.4	6554.9	6960.4	7365.3	7770.8
52.5°	6924.8	6750.4	6576.7	6575.1	6573.5	6571.3	6569.7	6923.2	7277.1	7630.5	7983.9
55°	7448.8	7258.0	7067.2	7030.0	6992.8	6955.0	6917.8	7267.5	7616.7	7966.4	8315.5
57.5°	7897.8	7649.1	7400.9	7342.5	7284.0	7225.6	7167.1	7543.9	7921.2	8298.0	8674.8
60°	8097.7	7935.6	7774.0	7702.3	7630.5	7558.8	7487.0	7808.0	8129.0	8449.5	8770.5
62.5°	7996.7	7876.6	7757.0	7773.5	7789.9	7806.4	7822.9	8006.2	8190.1	8373.5	8556.8
65°	7571.0	7542.3	7514.1	7647.0	7779.9	7912.7	8045.6	8048.2	8050.9	8053.5	8056.2
67.5°	6855.7	6814.2	6772.8	7049.1	7324.9	7601.3	7877.6	7746.4	7615.1	7484.4	7353.1
70°	5729.0	5748.1	5766.7	6143.0	6518.7	6895.0	7271.3	7081.0	6890.2	6700.0	6509.2
72.5°	4382.3	4505.6	4628.4	5018.5	5408.5	5798.6	6188.7	5971.3	5753.4	5536.1	5318.2
75°	3205.7	3320.5	3435.3	3820.6	4205.9	4591.7	4977.0	4718.7	4460.4	4202.7	3944.4
77.5°	2392.0	2436.7	2480.8	2801.3	3121.2	3441.7	3761.6	3502.2	3242.9	2984.1	2724.7
80°	1907.9	1876.0	1844.7	2022.2	2199.7	2377.2	2554.7	2370.8	2186.4	2002.5	1818.6
82.5°	1566.2	1514.1	1462.5	1528.4	1594.3	1660.8	1726.7	1579.5	1432.2	1285.0	1137.8
85°	1117.1	1095.3	1073.5	1092.7	1111.3	1130.4	1149.5	1006.0	862.5	719.6	576.1
87.5°	427.3	453.9	480.4	510.7	540.5	570.8	600.5	470.3	340.1	210.5	80.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597104  
 CATALOG NUMBER: MSA-SA4A-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: P597104  
CATALOG NUMBER: MSA-SA4A-835-U-SLR

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	1154.8	1154.8
2.5°	1521.0	1546.5
5°	1857.9	1857.4
7.5°	1963.7	1954.7
10°	1871.2	1847.8
12.5°	2003.6	1933.9
15°	2086.5	2016.8
17.5°	2425.0	2319.8
20°	2814.5	2689.1
22.5°	3319.4	3128.6
25°	3706.3	3477.8
27.5°	3952.9	3816.9
30°	4259.0	4103.3
32.5°	4637.9	4522.6
35°	5118.9	5013.1
37.5°	5961.2	5927.8
40°	6472.5	6432.1
42.5°	7103.3	7104.4
45°	7490.2	7514.1
47.5°	7718.2	7778.3
50°	7900.0	8028.6
52.5°	8159.8	8335.7
55°	8549.4	8782.7
57.5°	8873.6	9072.3
60°	8873.6	8976.1
62.5°	8554.2	8551.0
65°	8006.8	7956.8
67.5°	7290.4	7227.7
70°	6411.4	6313.1
72.5°	5196.5	5074.3
75°	3777.0	3609.1
77.5°	2645.0	2564.8
80°	1857.4	1896.2
82.5°	1193.1	1248.4
85°	567.6	559.1
87.5°	67.0	53.7
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: P597104  
CATALOG NUMBER: MSA-SA4A-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)