

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: P597060

Luminaire Tested: **MSA-SA3C-835-U-SLR**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P597060
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-SA3C-835-U-SLR
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) 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: 12857 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

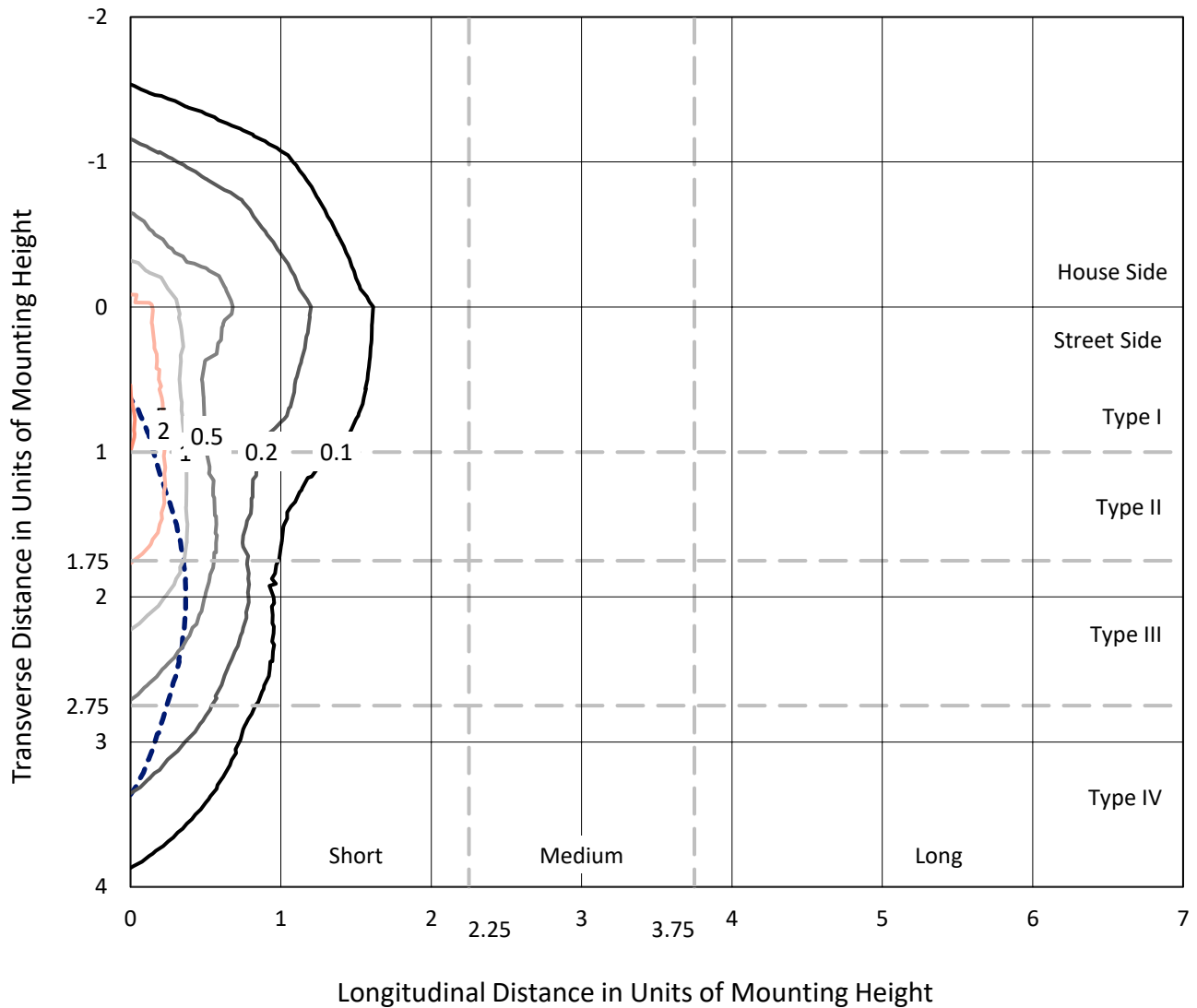
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

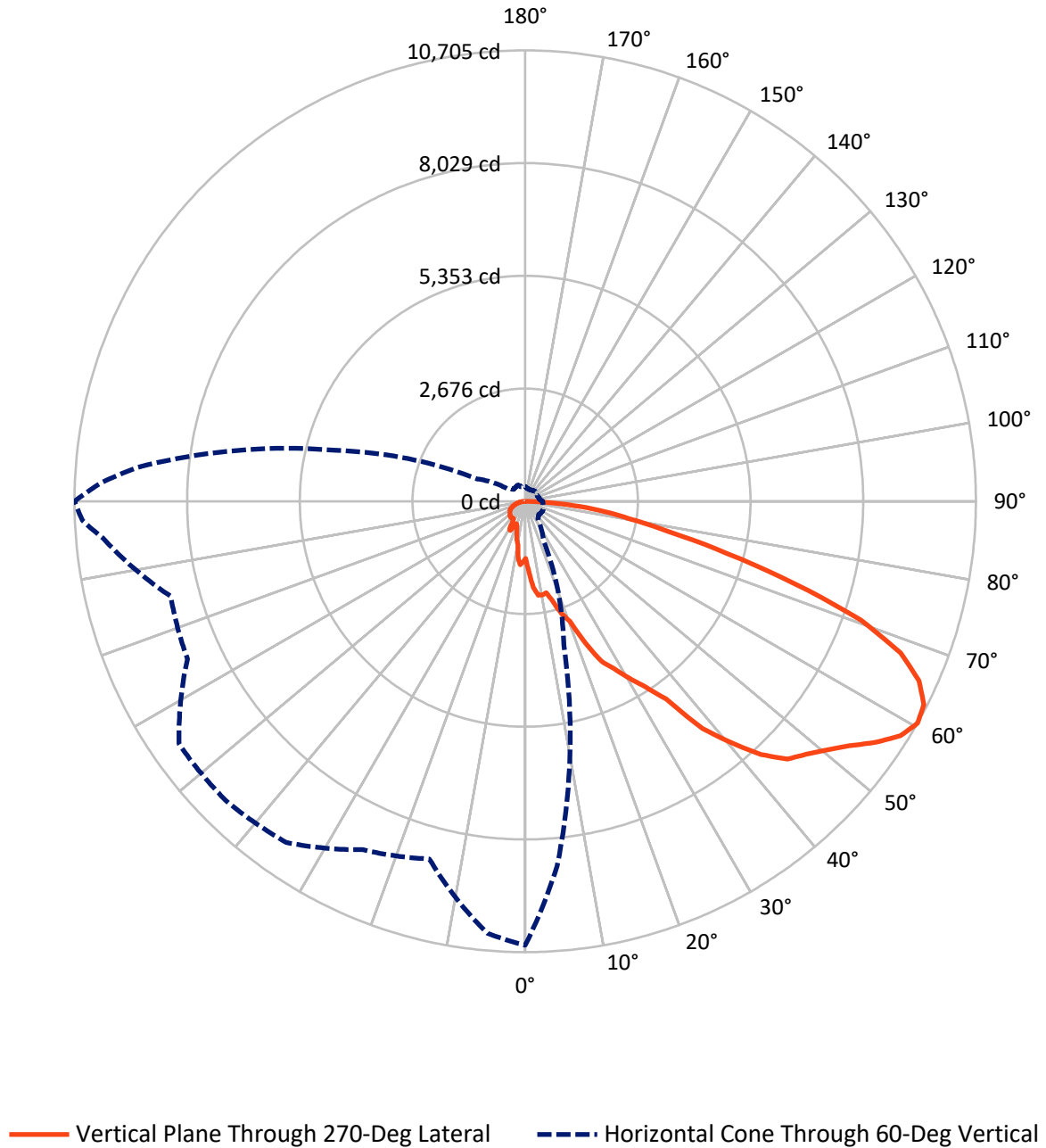
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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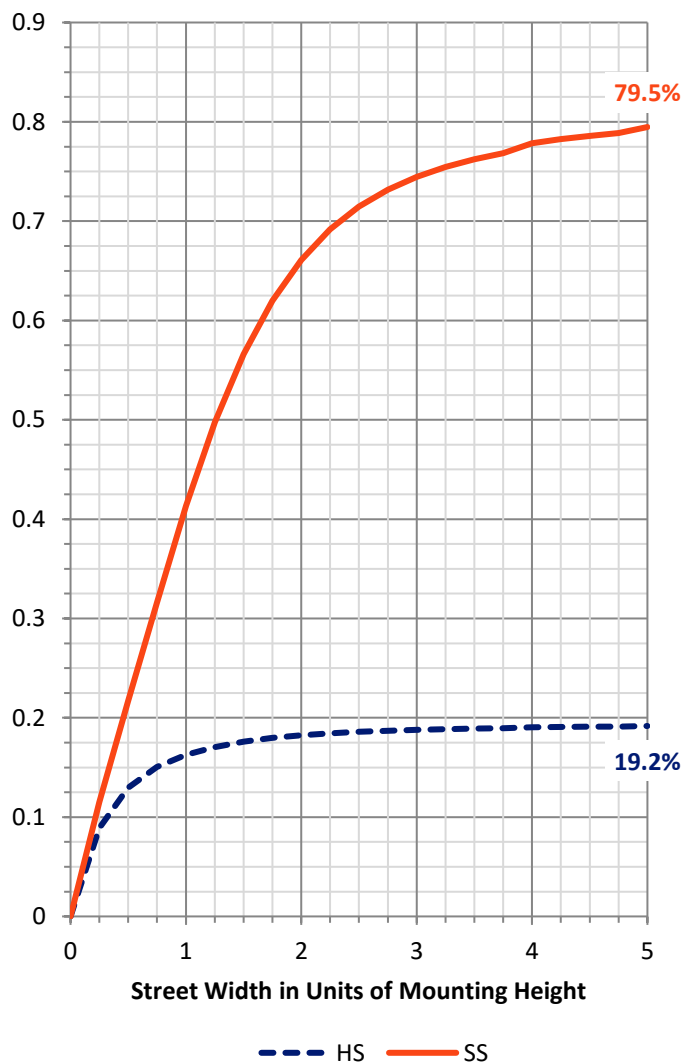
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2490.1	0.0	2490.1
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	10366.9	0.0	10366.9
	% Fixture	80.6	0.0	80.6
Total	Lumens	12857.0	0.0	12857.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.5	1.2
10°-20°	451.8	3.5
20°-30°	797.5	6.2
30°-40°	1242.1	9.7
40°-50°	2044.9	15.9
50°-60°	2918.7	22.7
60°-70°	3094.9	24.1
70°-80°	1709.4	13.3
80°-90°	442.3	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°	12857.0	100.0
0°-180°	12857.0	100.0

Coefficient of Utilization

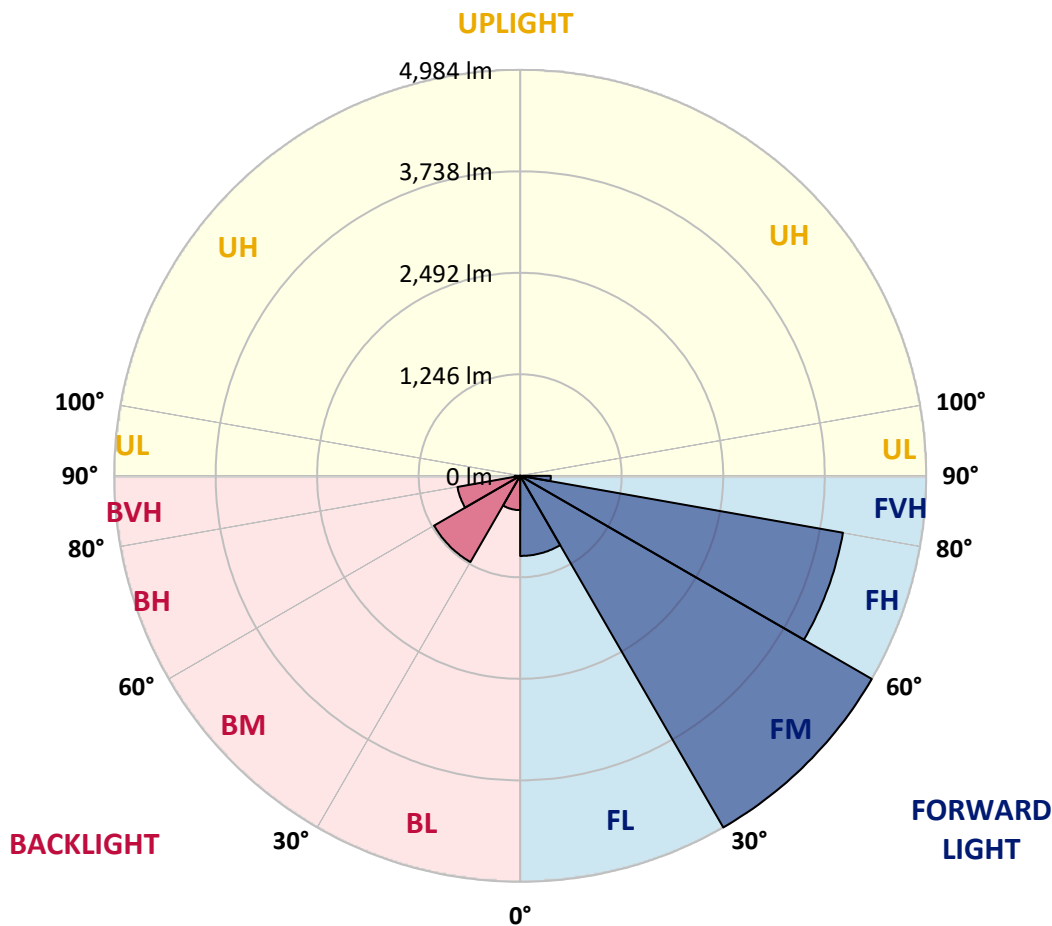


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	983.8	7.7			
FM (30°-60°)	4984.2	38.8			
FH (60°-80°)	4023.0	31.3			G2/5000
FVH (80°-90°)	375.9	2.9			G3/500
BL (0°-30°)	420.9	3.3	B1/500		
BM (30°-60°)	1221.5	9.5	B2/2500		
BH (60°-80°)	781.3	6.1	B2/1000		G2/1000
BVH (80°-90°)	66.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1
2.5°	1816.0	1827.2	1837.9	1816.6	1795.4	1773.6	1752.4	1720.5	1688.1	1656.3	1623.8
5°	2181.1	2139.9	2098.1	2081.2	2065.0	2048.2	2031.3	2015.7	2000.1	1983.9	1968.3
7.5°	2295.3	2236.6	2177.3	2152.4	2127.4	2101.8	2076.9	2020.7	1964.5	1907.7	1851.6
10°	2169.9	2108.7	2046.9	2022.6	1997.6	1973.3	1948.3	1879.7	1811.6	1743.0	1674.3
12.5°	2270.9	2208.5	2145.5	2068.1	1990.7	1912.7	1835.4	1797.3	1759.2	1720.5	1682.5
15°	2368.3	2284.1	2199.2	2121.8	2044.4	1966.4	1889.0	1812.9	1736.8	1660.6	1584.5
17.5°	2724.0	2583.6	2443.2	2303.4	2163.0	2023.2	1882.8	1794.8	1706.2	1618.2	1529.6
20°	3157.7	2962.4	2766.4	2554.3	2341.5	2129.3	1916.5	1805.4	1694.9	1583.9	1472.8
22.5°	3673.8	3427.3	3180.8	2913.1	2645.4	2377.0	2109.3	1948.3	1787.3	1625.7	1464.7
25°	4083.8	3846.7	3609.6	3270.1	2930.6	2591.1	2251.6	2068.8	1885.9	1702.4	1519.6
27.5°	4482.0	4104.4	3726.3	3337.5	2949.3	2560.5	2171.7	2002.6	1833.5	1664.4	1495.2
30°	4818.4	4518.8	4219.3	3711.9	3204.5	2696.6	2189.2	1981.4	1773.6	1565.8	1358.0
32.5°	5310.7	4883.3	4455.2	3925.9	3396.7	2867.5	2338.3	2072.5	1806.6	1540.8	1275.0
35°	5886.7	5442.4	4998.1	4343.4	3689.4	3034.8	2380.2	2098.7	1816.6	1535.2	1253.1
37.5°	6960.7	6177.6	5393.7	4679.2	3964.6	3249.5	2534.9	2207.9	1880.9	1553.3	1226.3
40°	7553.0	6829.1	6105.2	5214.6	4324.1	3432.9	2542.4	2207.9	1872.8	1538.3	1203.2
42.5°	8342.4	7426.9	6510.8	5547.9	4585.6	3622.7	2659.7	2289.0	1918.4	1547.0	1176.3
45°	8823.6	7803.2	6782.3	5753.2	4724.1	3695.0	2666.0	2289.7	1913.4	1537.1	1160.7
47.5°	9133.7	8153.9	7173.5	6065.8	4958.1	3849.8	2742.1	2342.7	1942.7	1543.3	1143.3
50°	9427.6	8457.2	7486.2	6336.1	5186.5	4036.4	2886.3	2450.1	2013.8	1577.0	1140.8
52.5°	9788.4	8894.7	8000.4	6766.7	5532.3	4298.5	3064.1	2589.2	2114.3	1639.4	1164.5
55°	10313.2	9432.6	8551.5	7227.2	5902.3	4578.1	3253.2	2725.9	2199.2	1671.9	1144.5
57.5°	10653.3	9760.3	8867.2	7516.8	6166.3	4815.2	3464.8	2880.7	2296.5	1711.8	1127.7
60°	10540.3	9619.2	8697.5	7410.1	6122.6	4835.2	3547.8	2916.8	2286.5	1655.6	1024.7
62.5°	10041.1	9061.9	8082.8	6929.5	5776.9	4623.6	3470.4	2828.9	2187.9	1546.4	904.9
65°	9343.4	8331.2	7318.3	6278.0	5237.7	4197.4	3157.1	2574.9	1992.0	1409.7	826.9
67.5°	8487.2	7431.9	6376.0	5454.9	4533.8	3612.0	2690.9	2204.2	1718.0	1231.3	744.5
70°	7413.2	6376.0	5338.8	4541.9	3745.0	2948.1	2151.1	1784.8	1419.1	1052.8	686.5
72.5°	5958.5	5063.6	4168.7	3541.5	2914.4	2287.2	1660.0	1405.4	1151.4	896.8	642.2
75°	4238.0	3711.9	3185.8	2697.8	2209.8	1721.2	1233.1	1068.4	903.6	738.9	574.1
77.5°	3011.7	2701.5	2391.4	2008.8	1626.3	1243.7	861.2	764.5	668.4	571.6	474.9
80°	2226.6	1967.7	1708.7	1420.4	1132.0	843.7	555.4	508.0	461.2	413.8	366.3
82.5°	1465.9	1349.2	1231.9	1003.5	775.1	546.7	318.3	300.8	283.3	265.8	248.4
85°	656.5	693.3	729.5	589.7	449.3	309.5	169.1	161.0	152.9	144.8	136.7
87.5°	63.0	93.0	122.9	105.5	87.4	69.9	51.8	51.2	51.2	50.5	49.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1
2.5°	1632.5	1641.3	1650.0	1658.7	1649.4	1640.0	1630.0	1620.7	1608.8	1597.0	1584.5
5°	1942.1	1915.2	1889.0	1862.2	1822.2	1782.3	1741.7	1701.8	1696.8	1691.2	1686.2
7.5°	1802.3	1753.6	1704.3	1655.0	1592.6	1530.8	1468.4	1406.0	1387.3	1368.6	1349.8
10°	1641.3	1607.6	1574.5	1540.8	1502.1	1463.4	1424.1	1385.4	1334.2	1282.4	1231.3
12.5°	1627.5	1572.6	1517.1	1462.2	1438.5	1414.7	1391.0	1367.3	1322.4	1277.4	1231.9
15°	1540.2	1495.2	1450.9	1406.0	1371.7	1337.4	1303.0	1268.7	1232.5	1195.7	1159.5
17.5°	1478.4	1427.2	1376.0	1324.9	1285.6	1246.2	1206.3	1167.0	1123.3	1079.0	1035.3
20°	1414.1	1356.1	1297.4	1238.8	1188.8	1139.5	1089.6	1039.7	991.6	944.2	896.1
22.5°	1387.9	1311.1	1234.4	1157.6	1105.2	1052.2	999.7	946.7	902.4	858.1	813.8
25°	1427.8	1336.7	1245.0	1153.3	1082.7	1011.6	941.1	869.9	833.1	796.3	758.9
27.5°	1381.0	1266.2	1152.0	1037.2	961.7	885.5	810.0	733.9	728.3	722.7	716.4
30°	1237.5	1117.1	996.6	876.2	806.9	737.0	667.7	597.8	584.7	571.0	557.9
32.5°	1152.0	1029.1	906.1	783.2	721.4	659.0	597.2	534.8	519.8	504.9	489.9
35°	1119.6	986.0	852.5	718.9	665.9	612.8	559.8	506.7	496.1	486.1	475.5
37.5°	1093.3	961.0	828.1	695.2	644.0	592.9	541.1	489.9	481.8	473.7	465.5
40°	1068.4	934.2	799.4	664.6	619.1	574.1	528.6	483.0	478.0	473.0	467.4
42.5°	1045.9	915.5	784.4	654.0	613.4	573.5	532.9	492.4	487.4	482.4	477.4
45°	1033.4	906.1	778.8	651.5	622.2	592.9	562.9	533.6	521.7	509.9	497.4
47.5°	1024.1	904.9	785.7	666.5	635.9	605.3	574.8	544.2	533.6	523.0	511.7
50°	1026.0	911.7	796.9	682.1	645.3	607.8	571.0	533.6	532.3	531.1	529.8
52.5°	1042.8	921.7	800.0	678.4	638.4	598.5	557.9	518.0	526.1	533.6	541.7
55°	1018.5	892.4	765.7	639.7	601.6	564.1	526.1	488.0	498.6	508.6	519.2
57.5°	991.0	854.3	717.7	581.0	552.3	523.6	494.3	465.5	476.8	488.6	499.9
60°	899.9	775.1	650.3	525.5	506.1	486.8	467.4	448.1	453.1	458.1	463.1
62.5°	800.0	694.6	589.7	484.3	469.3	453.7	438.7	423.1	423.1	423.7	423.7
65°	736.4	645.9	555.4	464.9	448.1	431.2	413.8	396.9	394.4	391.9	389.4
67.5°	672.7	601.6	529.8	458.1	433.7	410.0	385.7	361.3	358.2	355.7	352.6
70°	622.8	559.2	495.5	431.8	404.4	377.6	350.1	322.6	320.1	318.3	315.8
72.5°	582.2	523.0	463.1	403.1	374.4	345.1	316.4	287.1	285.2	283.3	280.8
75°	521.1	468.7	415.6	362.6	334.5	307.0	279.0	250.9	248.4	246.5	244.0
77.5°	431.2	386.9	343.2	298.9	277.1	255.9	234.0	212.2	210.9	209.7	207.8
80°	332.0	297.7	262.7	228.4	214.1	199.1	184.7	169.7	169.1	168.5	167.2
82.5°	227.8	207.2	186.6	166.0	155.4	144.2	133.5	122.3	122.9	123.6	124.2
85°	129.8	122.3	115.5	108.0	99.2	91.1	82.4	73.6	75.5	77.4	78.6
87.5°	47.4	44.9	42.4	39.9	35.6	31.8	27.5	23.1	24.3	26.2	27.5
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: P597060
 CATALOG NUMBER: MSA-SA3C-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: P597060

CATALOG NUMBER: MSA-SA3C-835-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1
2.5°	1572.6	1553.9	1535.2	1516.5	1497.7	1459.0	1421.0	1382.3	1343.6	1367.3	1391.6
5°	1680.6	1648.8	1616.3	1584.5	1552.0	1533.9	1515.8	1497.7	1479.6	1489.0	1499.0
7.5°	1331.1	1312.4	1293.0	1274.3	1255.0	1246.9	1239.4	1231.3	1223.2	1246.2	1269.3
10°	1179.5	1153.3	1127.0	1100.2	1074.0	1058.4	1042.8	1027.2	1011.6	1017.8	1024.1
12.5°	1187.0	1148.3	1109.6	1070.9	1032.2	1009.1	986.0	962.9	939.8	945.4	951.1
15°	1122.7	1082.7	1042.8	1002.9	962.9	936.1	908.6	881.8	854.3	845.0	835.0
17.5°	991.0	947.3	903.6	860.0	816.3	798.2	780.1	762.0	743.9	733.9	723.9
20°	848.1	807.5	767.0	726.4	685.8	673.4	660.9	647.8	635.3	629.1	622.2
22.5°	769.5	744.5	718.9	694.0	668.4	654.0	640.3	625.9	611.6	604.7	597.2
25°	722.0	727.0	732.6	737.6	742.6	736.4	729.5	723.3	716.4	718.9	720.8
27.5°	710.8	721.4	732.6	743.3	753.9	759.5	765.1	770.7	776.3	778.2	780.1
30°	544.2	549.8	554.8	560.4	565.4	581.0	596.6	611.6	627.2	651.5	676.5
32.5°	474.9	473.0	471.2	468.7	466.8	470.5	474.3	477.4	481.1	489.9	499.2
35°	464.9	460.6	455.6	451.2	446.2	448.1	449.9	451.8	453.7	460.6	467.4
37.5°	457.4	455.6	454.3	452.4	450.6	454.9	458.7	463.1	466.8	472.4	478.0
40°	462.4	461.8	461.2	459.9	459.3	461.8	464.3	466.8	469.3	476.8	484.3
42.5°	472.4	472.4	471.8	471.8	471.2	473.7	475.5	478.0	479.9	484.3	488.6
45°	485.5	484.3	483.6	482.4	481.1	480.5	480.5	479.9	479.3	481.8	484.9
47.5°	501.1	496.8	491.8	487.4	482.4	481.1	479.3	478.0	476.2	477.4	478.7
50°	528.6	516.7	505.5	493.6	481.8	478.7	475.5	472.4	469.3	468.7	468.7
52.5°	549.2	531.7	514.2	496.8	479.3	473.7	468.0	462.4	456.8	455.6	454.9
55°	529.2	516.1	503.6	490.5	477.4	469.3	460.6	452.4	443.7	441.8	440.0
57.5°	511.1	503.0	494.9	486.8	478.7	470.5	461.8	453.7	445.0	440.6	436.2
60°	468.0	468.0	468.7	468.7	468.7	459.9	451.2	442.5	433.7	429.4	425.6
62.5°	423.7	430.6	436.8	443.7	449.9	438.1	425.6	413.8	401.3	398.1	395.7
65°	386.9	388.8	391.3	393.2	395.0	385.7	376.3	366.9	357.6	355.7	353.2
67.5°	349.5	348.8	348.2	347.0	346.4	340.7	334.5	328.9	322.6	320.1	317.6
70°	313.3	312.7	312.0	310.8	310.2	305.2	300.2	295.2	290.2	288.3	286.4
72.5°	279.0	278.3	277.1	276.5	275.2	270.8	267.1	262.7	258.4	255.9	253.4
75°	241.5	240.3	239.0	237.8	236.5	232.8	229.0	224.7	220.9	218.4	215.9
77.5°	206.6	204.7	202.8	200.3	198.5	195.3	191.6	188.5	184.7	181.6	179.1
80°	166.6	165.4	164.1	162.3	161.0	157.9	154.8	151.0	147.9	144.2	141.0
82.5°	124.8	124.2	122.9	122.3	121.1	117.9	114.8	111.7	108.6	104.8	101.1
85°	80.5	79.9	79.3	78.6	78.0	75.5	73.6	71.1	68.6	64.9	61.8
87.5°	28.7	27.5	26.8	25.6	24.3	23.7	22.5	21.8	20.6	18.7	16.8
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: P597060
 CATALOG NUMBER: MSA-SA3C-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: P597060

CATALOG NUMBER: MSA-SA3C-835-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1
2.5°	1415.4	1439.1	1439.7	1439.7	1450.9	1461.5	1439.7	1417.9	1395.4	1373.6	1351.7
5°	1508.3	1517.7	1515.2	1512.1	1498.4	1484.6	1470.3	1455.9	1441.6	1427.2	1427.8
7.5°	1292.4	1315.5	1334.2	1352.3	1334.9	1317.4	1308.0	1298.7	1289.3	1279.9	1278.7
10°	1029.7	1035.9	1043.4	1050.3	1039.7	1028.4	1047.2	1065.9	1084.0	1102.7	1082.1
12.5°	956.7	962.3	949.2	935.5	931.1	926.7	922.4	917.4	913.0	908.0	905.5
15°	825.6	815.6	805.7	795.1	792.6	789.4	786.3	782.6	779.4	775.7	764.5
17.5°	713.9	703.9	687.1	669.6	662.7	655.3	653.4	651.5	649.0	647.1	636.5
20°	615.9	609.1	604.7	599.7	592.9	586.0	579.1	572.3	564.8	557.9	547.9
22.5°	590.4	582.9	577.3	571.0	569.8	568.5	556.0	542.9	530.4	517.3	511.7
25°	723.3	725.2	690.8	655.9	652.8	649.6	627.2	604.1	581.6	558.5	539.2
27.5°	781.3	783.2	781.9	780.7	770.7	760.1	722.0	683.3	645.3	606.6	579.1
30°	700.8	725.2	734.5	743.9	737.0	729.5	689.6	650.3	610.3	570.4	552.3
32.5°	508.0	516.7	532.3	547.3	555.4	562.9	550.4	537.9	525.5	513.0	509.9
35°	473.7	480.5	483.6	486.8	481.8	476.8	467.4	458.1	448.1	438.7	436.8
37.5°	483.0	488.6	494.9	501.1	487.4	473.0	462.4	452.4	441.8	431.2	422.5
40°	491.8	499.2	503.0	506.7	493.0	479.3	466.2	453.7	440.6	427.5	418.7
42.5°	493.0	497.4	504.2	511.1	491.8	471.8	459.9	447.4	435.6	423.1	414.4
45°	487.4	489.9	496.1	502.4	479.9	456.8	446.2	435.0	424.4	413.1	405.6
47.5°	479.3	480.5	485.5	489.9	466.2	441.8	431.8	421.9	411.3	401.3	393.8
50°	468.0	467.4	471.2	474.3	449.9	425.6	415.6	406.3	396.3	386.3	380.1
52.5°	453.7	452.4	456.2	459.3	433.7	408.1	399.4	391.3	382.5	373.8	368.8
55°	437.5	435.6	438.7	441.8	416.9	391.3	383.8	375.7	368.2	360.1	355.7
57.5°	431.2	426.9	428.7	430.6	402.5	374.4	366.9	359.5	352.0	344.5	341.4
60°	421.2	416.9	418.7	420.0	390.0	359.5	352.6	345.1	338.2	330.8	327.6
62.5°	392.5	389.4	391.9	394.4	367.6	340.1	333.9	328.3	322.0	315.8	311.4
65°	351.3	348.8	353.8	358.8	335.7	312.7	308.9	305.2	300.8	297.1	292.7
67.5°	315.1	312.7	317.6	322.6	305.8	288.9	285.2	281.5	277.7	274.0	271.5
70°	284.6	282.7	287.1	291.4	277.1	262.7	259.0	255.9	252.1	248.4	246.5
72.5°	250.2	247.8	253.4	258.4	246.5	234.0	230.9	227.2	224.0	220.3	219.0
75°	213.4	210.9	215.9	220.3	212.2	203.4	200.3	197.2	194.1	191.0	190.3
77.5°	176.0	172.9	177.9	182.2	177.2	171.6	169.1	166.0	163.5	160.4	160.4
80°	137.3	133.5	137.3	140.4	138.5	136.7	134.8	132.3	130.4	127.9	128.6
82.5°	97.4	93.6	95.5	97.4	98.6	99.8	99.8	99.8	99.8	99.8	99.8
85°	58.0	54.3	54.9	55.5	57.4	59.3	59.9	60.5	61.2	61.8	62.4
87.5°	15.0	13.1	11.9	10.0	11.9	13.1	14.4	15.0	16.2	16.8	16.8
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: P597060
 CATALOG NUMBER: MSA-SA3C-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: P597060

CATALOG NUMBER: MSA-SA3C-835-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1
2.5°	1329.9	1307.4	1285.6	1299.3	1312.4	1326.1	1339.2	1339.9	1339.9	1340.5	1340.5
5°	1429.1	1429.7	1430.3	1417.2	1404.8	1391.6	1378.5	1371.7	1364.8	1357.3	1350.5
7.5°	1276.8	1275.6	1273.7	1261.2	1248.7	1236.3	1223.8	1193.8	1163.2	1133.3	1102.7
10°	1060.9	1040.3	1019.1	1014.1	1009.7	1004.7	999.7	991.6	984.1	976.0	967.9
12.5°	903.0	900.5	898.0	884.9	871.8	858.1	845.0	845.0	845.0	845.0	845.0
15°	752.6	741.4	729.5	723.3	716.4	710.2	703.3	700.2	697.1	694.0	690.8
17.5°	625.3	614.7	603.5	602.2	601.0	599.7	598.5	595.4	592.2	589.1	586.0
20°	537.9	528.0	518.0	521.7	525.5	528.6	532.3	529.2	526.1	522.3	519.2
22.5°	505.5	499.9	493.6	490.5	487.4	483.6	480.5	480.5	481.1	481.1	481.1
25°	520.5	501.1	481.8	472.4	463.1	453.1	443.7	440.0	436.8	433.1	429.4
27.5°	551.7	523.6	496.1	479.9	463.7	447.4	431.2	424.4	416.9	410.0	402.5
30°	533.6	515.5	496.8	478.0	459.3	440.6	421.9	413.1	404.4	395.0	386.3
32.5°	506.7	503.0	499.9	482.4	464.9	446.8	429.4	425.6	422.5	418.7	415.0
35°	434.3	432.5	430.0	425.6	421.2	416.9	412.5	407.5	402.5	397.5	392.5
37.5°	414.4	405.6	396.9	395.0	393.2	391.3	389.4	387.5	385.7	383.2	381.3
40°	410.0	401.3	392.5	389.4	386.3	382.5	379.4	380.1	381.3	381.9	382.5
42.5°	405.0	396.3	386.9	384.4	381.9	379.4	376.9	377.6	378.8	379.4	380.1
45°	398.8	391.3	383.8	379.4	375.7	371.3	366.9	370.7	374.4	377.6	381.3
47.5°	386.3	378.2	370.7	368.2	365.7	362.6	360.1	363.8	367.6	370.7	374.4
50°	373.2	366.9	360.1	359.5	358.8	357.6	357.0	359.5	362.0	364.4	366.9
52.5°	363.2	358.2	352.6	352.6	352.0	352.0	351.3	353.8	356.3	358.2	360.7
55°	352.0	347.6	343.2	343.9	345.1	345.7	346.4	348.8	352.0	354.5	357.0
57.5°	337.6	334.5	330.8	333.2	335.1	337.6	339.5	341.4	343.9	345.7	347.6
60°	323.9	320.8	317.0	319.5	322.6	325.1	327.6	329.5	331.4	333.2	335.1
62.5°	307.0	302.0	297.7	301.4	304.5	308.3	311.4	312.7	314.5	315.8	317.0
65°	288.9	284.6	280.2	282.7	285.2	287.1	289.6	291.4	293.3	295.2	297.1
67.5°	268.3	265.8	262.7	264.6	266.5	268.3	270.2	270.8	270.8	271.5	271.5
70°	244.0	242.1	239.6	240.9	242.8	244.0	245.3	245.3	245.3	244.6	244.6
72.5°	218.4	217.2	215.9	216.5	217.8	218.4	219.0	218.4	217.8	217.2	216.5
75°	189.7	189.1	188.5	189.1	190.3	191.0	191.6	191.0	189.7	189.1	187.8
77.5°	161.0	161.0	161.0	161.0	161.6	161.6	161.6	160.4	159.1	157.9	156.6
80°	129.2	129.8	130.4	130.4	130.4	130.4	130.4	129.2	127.9	126.1	124.8
82.5°	99.8	99.8	99.8	99.8	100.5	100.5	100.5	97.4	94.9	91.7	88.6
85°	62.4	63.0	63.0	63.7	64.3	64.3	64.9	60.5	56.8	52.4	48.1
87.5°	16.8	16.8	16.8	16.8	16.8	16.2	16.2	12.5	8.1	4.4	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: P597060
 CATALOG NUMBER: MSA-SA3C-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: P597060

CATALOG NUMBER: MSA-SA3C-835-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1
2.5°	1344.2	1348.0	1351.1	1354.8	1355.5	1356.1	1356.1	1356.7	1343.6	1330.5	1316.8
5°	1359.8	1368.6	1377.9	1386.7	1384.8	1382.9	1381.0	1379.2	1375.4	1372.3	1368.6
7.5°	1095.8	1089.6	1082.7	1075.9	1081.5	1087.1	1092.7	1098.3	1100.8	1103.3	1105.2
10°	952.3	936.7	921.1	905.5	896.8	887.4	878.7	869.3	868.1	867.4	866.2
12.5°	828.7	811.9	795.7	778.8	773.8	768.2	763.2	757.6	762.6	767.6	772.0
15°	684.0	677.7	670.9	664.0	669.6	675.2	680.8	686.5	691.5	695.8	700.8
17.5°	582.9	580.4	577.3	574.1	579.1	584.7	589.7	594.7	606.0	617.2	628.4
20°	516.7	514.8	512.4	509.9	508.0	505.5	503.6	501.1	517.3	532.9	549.2
22.5°	477.4	473.7	469.9	466.2	466.8	467.4	467.4	468.0	481.1	494.9	508.0
25°	428.1	426.9	425.6	424.4	428.1	431.8	435.0	438.7	450.6	462.4	473.7
27.5°	403.1	403.8	404.4	405.0	410.0	415.6	420.6	425.6	433.7	441.8	449.9
30°	389.4	393.2	396.3	399.4	401.3	403.1	405.0	406.9	415.0	422.5	430.6
32.5°	410.0	405.0	399.4	394.4	396.9	400.0	402.5	405.0	412.5	420.0	427.5
35°	390.7	388.2	386.3	383.8	386.9	390.0	392.5	395.7	402.5	408.8	415.6
37.5°	380.7	380.1	379.4	378.8	380.7	382.5	383.8	385.7	391.9	398.1	403.8
40°	380.1	376.9	374.4	371.3	373.2	375.1	376.3	378.2	385.7	393.2	400.6
42.5°	376.3	372.6	368.2	364.4	366.3	368.8	370.7	372.6	380.7	388.2	396.3
45°	375.7	370.1	363.8	358.2	360.7	363.2	365.7	368.2	374.4	380.7	386.3
47.5°	368.8	363.2	357.6	352.0	353.2	354.5	355.1	356.3	362.0	366.9	372.6
50°	363.2	358.8	355.1	350.7	348.8	347.6	345.7	343.9	348.2	352.6	357.0
52.5°	356.3	352.0	347.0	342.6	340.1	337.6	335.1	332.6	336.4	339.5	343.2
55°	352.0	346.4	341.4	335.7	332.6	329.5	326.4	323.3	325.8	327.6	330.1
57.5°	342.6	337.6	332.0	327.0	323.3	319.5	315.1	311.4	312.7	313.9	315.1
60°	330.1	324.5	319.5	313.9	309.5	305.2	300.2	295.8	296.4	297.7	298.3
62.5°	312.0	307.0	301.4	296.4	291.4	287.1	282.1	277.1	278.3	279.0	280.2
65°	292.1	286.4	281.5	275.8	271.5	267.1	262.1	257.7	259.0	260.2	260.9
67.5°	267.7	263.4	259.6	255.2	251.5	247.1	243.4	239.0	239.6	240.3	240.9
70°	241.5	237.8	234.6	230.9	227.8	224.7	221.5	218.4	218.4	219.0	219.0
72.5°	213.4	210.3	207.2	204.1	200.9	198.5	195.3	192.2	193.5	194.7	195.3
75°	184.7	182.2	179.1	176.0	173.5	171.0	167.9	165.4	166.6	167.9	168.5
77.5°	154.8	152.9	150.4	148.5	146.0	143.5	140.4	137.9	139.2	140.4	141.0
80°	123.6	122.3	120.4	119.2	116.7	114.2	111.7	109.2	109.8	109.8	110.5
82.5°	89.2	89.9	89.9	90.5	88.6	86.1	84.2	81.8	81.8	81.8	81.1
85°	49.9	52.4	54.3	56.2	54.3	52.4	50.5	48.7	48.1	48.1	47.4
87.5°	1.9	3.1	5.0	6.2	5.6	5.0	3.7	3.1	3.7	4.4	4.4
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: P597060
 CATALOG NUMBER: MSA-SA3C-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: P597060

CATALOG NUMBER: MSA-SA3C-835-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1
2.5°	1303.7	1314.3	1324.9	1335.5	1346.1	1362.3	1378.5	1395.4	1412.2	1402.9	1392.9
5°	1364.8	1371.1	1377.9	1384.2	1390.4	1408.5	1426.0	1447.8	1469.0	1466.5	1463.4
7.5°	1107.7	1116.4	1125.2	1133.3	1142.0	1169.5	1196.9	1220.0	1243.1	1240.0	1236.3
10°	864.9	883.0	901.8	919.9	938.0	960.4	982.3	1001.6	1021.0	1053.4	1085.2
12.5°	777.0	805.0	833.1	861.2	889.3	905.5	921.1	946.1	971.0	988.5	1006.6
15°	705.2	731.4	757.6	783.8	810.0	811.3	812.5	838.7	864.9	879.9	894.3
17.5°	639.7	654.0	668.4	682.1	696.4	691.5	686.5	698.9	710.8	717.0	723.9
20°	564.8	574.8	584.7	594.7	604.7	611.6	617.8	625.3	632.2	625.9	619.1
22.5°	521.1	536.1	551.7	566.6	581.6	586.0	589.7	585.4	581.0	579.1	577.3
25°	485.5	503.6	522.3	540.4	558.5	567.3	576.0	579.8	582.9	576.0	569.1
27.5°	458.1	479.9	501.1	523.0	544.2	559.8	575.4	579.8	583.5	578.5	572.9
30°	438.1	461.8	485.5	509.2	532.9	556.7	579.8	600.3	620.3	618.4	616.6
32.5°	435.0	451.2	467.4	483.6	499.9	514.8	529.2	530.4	531.1	526.1	520.5
35°	421.9	432.5	443.1	453.7	464.3	473.7	482.4	481.1	479.9	474.9	469.9
37.5°	410.0	420.6	431.8	442.5	453.1	469.3	484.9	481.8	478.0	473.0	468.0
40°	408.1	420.0	431.8	443.1	454.9	469.9	484.9	481.8	478.7	472.4	466.2
42.5°	403.8	415.6	426.9	438.7	449.9	468.0	485.5	479.9	473.7	468.7	463.7
45°	392.5	403.1	413.8	424.4	435.0	454.3	473.7	466.8	459.9	458.1	455.6
47.5°	377.6	388.2	398.8	409.4	420.0	439.3	458.1	452.4	446.2	445.6	444.3
50°	361.3	371.3	381.9	391.9	401.9	421.2	440.0	435.0	430.0	430.6	430.6
52.5°	346.4	355.7	364.4	373.8	382.5	401.9	420.6	416.9	412.5	413.8	414.4
55°	332.0	339.5	347.0	354.5	362.0	380.7	399.4	393.8	388.2	390.0	391.9
57.5°	316.4	322.6	328.9	334.5	340.7	359.5	377.6	371.3	364.4	367.6	370.1
60°	298.9	304.5	310.2	315.1	320.8	337.6	353.8	348.2	342.0	346.4	350.1
62.5°	280.8	285.2	289.6	293.9	298.3	313.9	329.5	325.1	320.8	325.8	330.1
65°	262.1	265.2	269.0	272.1	275.2	290.2	304.5	301.4	298.3	302.7	307.0
67.5°	241.5	244.0	247.1	249.6	252.1	265.8	279.6	276.5	272.7	276.5	279.6
70°	219.0	221.5	223.4	225.9	227.8	240.3	252.7	248.4	243.4	247.1	250.2
72.5°	196.6	197.8	199.7	200.9	202.2	211.6	220.9	217.2	213.4	217.2	220.3
75°	169.7	171.0	172.2	173.5	174.7	182.8	190.3	186.0	181.0	184.7	188.5
77.5°	142.3	142.9	144.2	144.8	145.4	151.0	156.0	151.6	146.7	151.0	155.4
80°	110.5	111.1	111.7	111.7	112.3	114.2	116.1	113.0	109.2	114.8	120.4
82.5°	81.1	80.5	80.5	79.9	79.3	79.3	78.6	76.8	74.3	79.3	84.2
85°	46.8	46.2	44.9	44.3	43.1	41.2	39.3	38.7	38.1	42.4	46.8
87.5°	5.0	4.4	3.1	2.5	1.2	0.6	0.0	0.0	0.0	2.5	5.6
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: P597060
 CATALOG NUMBER: MSA-SA3C-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: P597060

CATALOG NUMBER: MSA-SA3C-835-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1
2.5°	1383.5	1373.6	1364.2	1354.8	1345.5	1336.1	1353.6	1371.1	1388.5	1406.0	1421.6
5°	1460.9	1457.8	1449.7	1442.2	1434.1	1426.0	1430.3	1435.3	1439.7	1444.1	1453.4
7.5°	1233.1	1229.4	1246.9	1263.7	1281.2	1298.0	1302.4	1306.2	1310.5	1314.3	1311.8
10°	1117.7	1149.5	1157.6	1165.1	1173.2	1180.7	1193.2	1205.7	1217.5	1230.0	1236.9
12.5°	1024.1	1041.6	1070.3	1099.6	1128.3	1157.0	1175.7	1194.4	1213.2	1231.9	1270.6
15°	909.3	923.6	945.4	967.3	989.1	1011.0	1037.8	1065.3	1092.1	1118.9	1161.4
17.5°	730.1	736.4	752.6	768.8	784.4	800.7	836.9	872.4	908.6	944.2	992.9
20°	612.8	606.0	606.0	606.6	606.6	606.6	642.8	678.4	714.5	750.1	814.4
22.5°	574.8	572.9	566.0	558.5	551.7	544.2	562.9	582.2	601.0	619.7	672.1
25°	561.7	554.8	546.1	537.3	528.6	519.8	531.7	543.6	555.4	567.3	608.5
27.5°	567.9	562.3	566.6	570.4	574.8	578.5	582.2	586.0	589.7	593.5	607.8
30°	614.7	612.8	619.7	625.9	632.8	639.0	630.3	622.2	613.4	604.7	609.7
32.5°	515.5	509.9	507.4	504.9	502.4	499.9	499.2	498.6	497.4	496.8	508.0
35°	464.9	459.9	456.2	452.4	448.1	444.3	446.2	447.4	449.3	450.6	463.1
37.5°	463.1	458.1	453.7	449.3	444.3	440.0	441.8	444.3	446.2	448.1	457.4
40°	459.9	453.7	451.2	448.7	446.2	443.7	445.0	446.2	446.8	448.1	454.9
42.5°	458.1	453.1	451.8	450.6	449.3	448.1	449.3	450.6	451.2	452.4	460.6
45°	453.7	451.2	452.4	453.7	454.9	456.2	456.2	456.2	456.2	456.2	464.9
47.5°	443.7	442.5	446.2	449.9	453.7	457.4	463.7	469.9	475.5	481.8	483.6
50°	431.2	431.2	437.5	443.7	449.3	455.6	470.5	484.9	499.9	514.2	504.9
52.5°	415.6	416.2	425.6	434.3	443.7	452.4	466.2	479.9	493.0	506.7	493.0
55°	393.2	395.0	406.9	418.1	430.0	441.2	451.8	462.4	473.0	483.6	469.3
57.5°	373.2	375.7	388.2	400.0	412.5	424.4	430.6	437.5	443.7	449.9	440.6
60°	354.5	358.2	374.4	390.7	406.3	422.5	417.5	412.5	406.9	401.9	401.3
62.5°	335.1	339.5	354.5	369.4	383.8	398.8	391.3	383.8	375.7	368.2	371.3
65°	310.8	315.1	322.0	328.9	335.1	342.0	341.4	341.4	340.7	340.1	346.4
67.5°	283.3	286.4	290.8	294.6	298.9	302.7	305.2	308.3	310.8	313.3	320.8
70°	254.0	257.1	261.5	265.2	269.6	273.3	276.5	279.6	282.1	285.2	292.7
72.5°	224.0	227.2	231.5	235.9	239.6	244.0	246.5	249.0	250.9	253.4	259.6
75°	192.2	196.0	200.3	204.1	208.4	212.2	214.1	215.9	217.8	219.7	225.3
77.5°	159.8	164.1	168.5	172.9	177.2	181.6	182.2	182.8	183.5	184.1	189.1
80°	125.4	131.1	135.4	139.8	144.2	148.5	148.5	148.5	148.5	148.5	151.0
82.5°	89.2	94.2	99.2	103.6	108.6	113.0	113.0	112.3	112.3	111.7	111.7
85°	51.2	55.5	58.7	62.4	65.5	68.6	68.6	68.6	68.0	68.0	66.8
87.5°	8.1	10.6	11.9	13.7	15.0	16.2	15.6	15.6	15.0	14.4	12.5
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: P597060
 CATALOG NUMBER: MSA-SA3C-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: P597060

CATALOG NUMBER: MSA-SA3C-835-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1
2.5°	1437.2	1452.8	1468.4	1465.9	1463.4	1460.9	1458.4	1467.8	1476.5	1485.9	1494.6
5°	1462.2	1471.5	1480.3	1487.1	1494.0	1500.9	1507.7	1539.6	1570.8	1602.6	1633.8
7.5°	1309.3	1306.2	1303.7	1333.0	1362.9	1392.3	1421.6	1462.2	1502.7	1543.3	1583.9
10°	1243.7	1250.6	1257.5	1269.3	1281.8	1293.7	1305.5	1345.5	1385.4	1425.3	1465.3
12.5°	1308.6	1347.3	1385.4	1394.8	1404.8	1414.1	1423.5	1431.6	1439.7	1447.2	1455.3
15°	1203.8	1246.2	1288.7	1313.0	1337.4	1361.1	1385.4	1446.6	1507.1	1568.3	1628.8
17.5°	1040.9	1089.6	1137.7	1197.6	1257.5	1317.4	1377.3	1433.5	1489.6	1545.2	1601.3
20°	878.7	942.3	1006.6	1072.1	1137.0	1202.6	1267.5	1322.4	1377.3	1431.6	1486.5
22.5°	723.9	776.3	828.1	908.0	987.3	1067.1	1146.4	1248.7	1350.5	1452.8	1554.5
25°	649.0	690.2	730.8	813.1	895.5	977.3	1059.7	1192.6	1324.9	1457.8	1590.1
27.5°	622.8	637.2	651.5	726.4	800.7	875.6	949.8	1093.3	1236.9	1379.8	1523.3
30°	614.7	619.7	624.7	683.3	742.0	800.7	859.3	1001.0	1143.3	1284.9	1426.6
32.5°	518.6	529.8	540.4	597.8	654.6	712.1	768.8	911.7	1054.0	1196.9	1339.2
35°	475.5	488.0	500.5	556.7	612.8	668.4	724.5	874.9	1026.0	1176.3	1326.7
37.5°	466.8	476.2	485.5	549.2	612.8	676.5	740.1	892.4	1044.7	1196.9	1349.2
40°	462.4	469.3	476.2	537.9	600.3	662.1	723.9	883.7	1042.8	1202.6	1361.7
42.5°	468.0	476.2	483.6	539.8	595.4	651.5	707.1	872.4	1037.2	1202.6	1367.3
45°	473.0	481.8	489.9	542.3	594.7	647.1	699.6	876.2	1052.2	1228.8	1404.8
47.5°	484.9	486.8	488.0	533.6	578.5	624.1	669.0	848.7	1028.4	1207.6	1387.3
50°	494.9	485.5	475.5	523.0	569.8	617.2	664.0	834.4	1004.7	1174.5	1344.8
52.5°	479.3	464.9	451.2	502.4	553.5	604.1	655.3	825.6	996.6	1167.0	1337.4
55°	455.6	441.2	426.9	478.7	530.4	582.2	634.0	803.8	974.2	1143.9	1313.6
57.5°	431.8	422.5	413.1	455.6	498.6	541.1	583.5	767.6	951.1	1135.2	1318.6
60°	400.6	399.4	398.8	431.8	465.5	498.6	531.7	712.1	891.8	1072.1	1251.9
62.5°	373.8	376.9	379.4	406.3	433.1	459.3	486.1	660.3	835.0	1009.1	1183.2
65°	353.2	359.5	365.7	396.3	426.9	456.8	487.4	633.4	779.4	925.5	1071.5
67.5°	328.3	335.7	343.2	383.2	423.1	463.1	503.0	623.4	743.9	864.3	984.8
70°	299.5	307.0	313.9	365.1	415.6	466.8	517.3	624.1	731.4	838.1	944.8
72.5°	265.8	272.1	278.3	333.2	388.2	443.1	498.0	588.5	679.0	768.8	859.3
75°	231.5	237.1	242.8	290.2	337.6	385.0	432.5	502.4	571.6	641.5	710.8
77.5°	193.5	198.5	202.8	234.6	266.5	298.3	330.1	383.8	436.8	490.5	543.6
80°	153.5	156.0	158.5	177.2	195.3	214.1	232.1	267.7	303.3	338.2	373.8
82.5°	112.3	112.3	112.3	124.2	136.7	148.5	160.4	178.5	196.0	214.1	231.5
85°	65.5	63.7	62.4	70.5	78.6	86.7	94.9	102.3	109.8	117.3	124.8
87.5°	10.6	8.1	6.2	11.2	16.2	21.2	26.2	28.7	31.8	34.3	36.8
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: P597060
 CATALOG NUMBER: MSA-SA3C-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: P597060

CATALOG NUMBER: MSA-SA3C-835-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1
2.5°	1473.4	1452.8	1431.6	1410.4	1441.6	1472.8	1504.0	1535.2	1618.2	1667.5	1670.6
5°	1660.0	1686.2	1712.4	1738.6	1764.8	1791.0	1816.6	1842.8	1977.6	2060.6	2076.2
7.5°	1626.9	1670.6	1713.7	1756.7	1831.0	1905.2	1979.5	2053.8	2168.0	2250.4	2304.6
10°	1519.0	1572.6	1626.3	1680.0	1768.0	1856.6	1944.6	2032.6	2153.6	2262.2	2314.0
12.5°	1540.8	1626.3	1711.2	1796.7	1872.8	1949.6	2025.7	2101.8	2185.5	2226.6	2320.9
15°	1688.1	1747.4	1806.6	1865.9	1980.8	2095.0	2209.8	2324.0	2371.4	2465.7	2550.5
17.5°	1710.5	1819.1	1928.3	2036.9	2177.3	2317.8	2458.2	2598.6	2686.6	2808.3	2910.6
20°	1640.6	1794.2	1948.3	2101.8	2282.8	2464.4	2645.4	2826.4	2938.1	3040.4	3198.9
22.5°	1724.3	1894.0	2063.1	2232.9	2473.1	2712.8	2953.0	3192.7	3426.1	3654.5	3761.8
25°	1816.6	2043.8	2270.3	2496.9	2797.0	3096.6	3396.7	3696.3	3996.5	4210.5	4334.1
27.5°	1751.7	1979.5	2207.9	2435.7	2807.0	3179.0	3550.3	3921.6	4243.0	4500.7	4606.8
30°	1706.2	1985.8	2265.3	2544.9	2980.5	3416.1	3851.7	4287.3	4584.3	4872.0	5028.0
32.5°	1698.1	2056.9	2415.1	2773.9	3281.3	3788.0	4295.4	4802.1	4999.3	5254.6	5464.9
35°	1720.5	2114.9	2508.7	2902.5	3484.1	4065.7	4646.7	5228.4	5508.6	5761.3	5945.4
37.5°	1789.2	2229.1	2668.5	3108.4	3809.3	4510.7	5211.5	5912.3	6382.2	6844.7	6927.0
40°	1827.9	2294.7	2760.8	3227.0	4042.0	4857.0	5672.1	6487.1	7027.5	7534.9	7569.2
42.5°	1873.4	2379.5	2885.0	3391.1	4294.8	5199.0	6102.7	7006.3	7675.3	8220.7	8236.9
45°	1925.8	2446.3	2967.4	3487.9	4431.4	5374.4	6318.0	7260.9	8069.7	8732.4	8570.8
47.5°	1946.4	2506.2	3065.4	3624.5	4630.5	5635.9	6641.9	7647.2	8373.0	8975.8	8821.1
50°	1954.6	2564.9	3174.6	3784.3	4826.5	5869.3	6911.4	7953.6	8691.9	9279.7	9042.6
52.5°	2005.1	2672.8	3340.6	4008.3	5094.2	6180.0	7265.9	8351.8	9078.2	9642.9	9348.4
55°	2073.1	2832.6	3591.5	4350.9	5474.9	6598.2	7722.1	8845.4	9574.3	10099.8	9734.7
57.5°	2136.2	2954.3	3771.8	4589.3	5753.8	6918.9	8083.4	9247.9	9986.2	10506.0	10152.2
60°	2105.6	2959.3	3813.0	4666.7	5811.2	6955.1	8099.7	9243.5	10081.7	10705.1	10524.1
62.5°	2013.2	2843.2	3672.6	4502.6	5589.1	6674.9	7761.4	8847.3	9828.3	10627.7	10619.6
65°	1835.4	2599.2	3362.4	4126.3	5131.6	6137.6	7143.0	8148.3	9304.7	10275.7	10338.8
67.5°	1618.8	2252.8	2886.9	3520.9	4467.6	5414.3	6361.0	7307.7	8544.0	9615.5	9669.8
70°	1409.1	1874.0	2338.3	2802.6	3633.9	4465.1	5295.8	6127.0	7375.7	8459.7	8509.7
72.5°	1163.2	1467.2	1770.5	2074.4	2747.7	3421.1	4093.8	4767.2	5863.7	6697.4	6978.8
75°	891.2	1071.5	1251.9	1432.2	1977.0	2521.8	3066.0	3610.8	4339.7	4955.0	5272.0
77.5°	637.2	730.8	824.4	918.0	1381.0	1844.1	2306.5	2769.6	3152.7	3501.6	3715.6
80°	418.1	461.8	506.1	549.8	934.8	1319.9	1704.3	2089.3	2322.7	2510.0	2617.9
82.5°	253.4	275.2	296.4	318.3	630.3	942.3	1253.7	1565.8	1699.3	1788.6	1884.7
85°	136.7	148.5	160.4	172.2	372.6	572.3	772.6	972.3	985.4	996.0	1138.9
87.5°	39.9	43.7	46.8	49.9	82.4	115.5	147.9	180.4	112.3	69.9	143.5
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: P597060
 CATALOG NUMBER: MSA-SA3C-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: P597060

CATALOG NUMBER: MSA-SA3C-835-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1
2.5°	1652.5	1644.4	1636.3	1627.5	1619.4	1585.1	1551.4	1517.1	1482.8	1515.8	1548.3
5°	2058.1	2083.1	2107.4	2132.4	2157.4	2159.2	2160.5	2162.4	2163.6	2169.9	2176.1
7.5°	2350.2	2394.5	2438.2	2482.5	2526.8	2561.1	2595.5	2630.4	2664.7	2633.5	2602.3
10°	2375.2	2468.8	2562.4	2656.0	2749.6	2766.4	2782.7	2799.5	2816.4	2838.8	2860.7
12.5°	2400.1	2514.3	2627.9	2742.1	2856.3	2906.2	2955.5	3005.5	3054.8	3079.1	3102.8
15°	2664.1	2731.5	2798.3	2865.7	2932.4	2966.8	3000.5	3034.8	3069.1	3089.7	3109.7
17.5°	3003.6	3028.6	3052.9	3077.9	3102.8	3125.9	3149.0	3172.1	3195.2	3198.9	3202.7
20°	3313.1	3318.1	3322.5	3327.5	3331.8	3283.2	3235.1	3186.4	3137.8	3146.5	3154.6
22.5°	3777.4	3750.0	3723.1	3695.7	3668.8	3577.1	3486.0	3394.3	3303.1	3263.8	3225.1
25°	4476.4	4406.5	4336.6	4266.7	4196.8	4050.8	3905.4	3759.3	3613.9	3528.4	3443.6
27.5°	4701.7	4549.4	4397.7	4245.5	4093.2	3982.7	3872.9	3762.4	3652.6	3517.2	3381.8
30°	5157.2	4917.0	4677.3	4437.1	4196.8	4090.1	3983.4	3876.0	3769.3	3630.8	3492.9
32.5°	5561.0	5311.4	5061.7	4811.5	4561.9	4359.7	4157.5	3955.3	3753.1	3659.5	3565.9
35°	6028.4	5714.5	5400.6	5086.7	4772.8	4599.3	4426.4	4253.0	4080.1	3938.4	3797.4
37.5°	6709.2	6375.4	6041.5	5707.0	5373.1	5138.5	4904.5	4669.8	4435.8	4357.8	4280.4
40°	7358.3	6963.9	6570.1	6175.7	5781.9	5602.2	5422.4	5242.1	5062.4	4930.7	4799.0
42.5°	7901.8	7511.8	7122.4	6732.3	6342.9	6211.9	6081.4	5950.4	5820.0	5711.4	5602.8
45°	8088.4	7770.1	7452.5	7134.2	6816.0	6769.8	6724.2	6678.0	6632.5	6552.0	6471.5
47.5°	8388.6	8064.1	7740.2	7415.7	7091.2	7108.0	7124.9	7142.3	7159.2	7163.6	7167.3
50°	8565.2	8256.9	7949.3	7641.0	7333.3	7415.1	7496.2	7577.9	7659.7	7845.0	8029.8
52.5°	8822.9	8520.3	8218.2	7915.6	7612.9	7751.4	7889.3	8027.9	8165.8	8425.4	8685.0
55°	9146.2	8856.6	8567.7	8278.1	7989.2	8124.0	8258.2	8393.0	8527.1	8816.1	9105.0
57.5°	9574.9	9264.8	8955.2	8645.1	8335.5	8459.7	8583.3	8707.5	8831.0	9105.6	9380.2
60°	10062.9	9725.9	9389.0	9051.3	8714.3	8748.7	8782.4	8816.7	8850.4	9148.1	9445.1
62.5°	10302.6	9990.5	9679.1	9367.1	9055.1	8959.6	8864.1	8768.0	8672.5	8939.0	9204.9
65°	10094.8	9880.1	9666.0	9451.4	9236.7	9068.2	8900.3	8731.8	8563.3	8729.9	8895.9
67.5°	9433.3	9311.6	9190.5	9068.8	8947.1	8664.4	8381.7	8098.4	7815.7	7826.9	7837.5
70°	8361.1	8328.7	8296.9	8264.4	8232.0	7807.0	7382.6	6957.6	6532.6	6467.7	6402.8
72.5°	7002.6	7023.8	7044.4	7065.6	7086.8	6630.0	6173.2	5716.4	5259.6	5151.6	5043.6
75°	5423.7	5541.0	5658.3	5776.3	5893.6	5456.8	5019.9	4582.5	4145.6	4012.7	3879.8
77.5°	3832.3	4051.4	4269.8	4488.9	4707.9	4312.9	3918.5	3523.4	3128.4	3042.3	2956.2
80°	2672.2	2779.6	2886.9	2994.2	3101.6	2903.1	2704.7	2506.2	2307.8	2331.5	2354.6
82.5°	1946.4	1971.4	1995.7	2020.7	2045.7	1964.5	1883.4	1801.7	1720.5	1782.3	1844.1
85°	1246.9	1336.1	1424.7	1514.0	1602.6	1512.7	1422.9	1332.4	1242.5	1283.7	1324.9
87.5°	279.0	441.2	603.5	766.3	928.6	841.2	754.5	667.1	579.8	540.4	501.7
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: P597060
 CATALOG NUMBER: MSA-SA3C-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: P597060

CATALOG NUMBER: MSA-SA3C-835-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1
2.5°	1581.4	1614.4	1604.5	1595.1	1585.1	1575.1	1593.2	1611.3	1630.0	1648.1	1641.9
5°	2183.0	2189.2	2129.9	2071.2	2012.0	1952.7	1989.5	2026.3	2063.1	2100.0	2086.9
7.5°	2571.1	2539.9	2505.6	2471.3	2436.3	2402.0	2394.5	2387.0	2378.9	2371.4	2361.4
10°	2883.1	2905.0	2882.5	2860.7	2838.2	2815.8	2763.3	2710.9	2657.9	2605.4	2583.6
12.5°	3127.2	3151.5	3157.1	3162.1	3167.7	3173.3	3114.7	3056.6	2998.0	2939.3	2886.3
15°	3130.3	3150.9	3169.0	3186.4	3204.5	3222.0	3185.8	3150.2	3114.1	3077.9	3061.0
17.5°	3207.0	3210.8	3195.8	3181.4	3166.5	3152.1	3137.8	3124.0	3109.7	3096.0	3069.1
20°	3163.4	3172.1	3170.2	3168.3	3165.8	3164.0	3165.2	3165.8	3167.1	3167.7	3152.7
22.5°	3185.8	3146.5	3154.6	3162.1	3170.2	3177.7	3200.2	3222.6	3245.7	3268.2	3328.1
25°	3358.1	3272.6	3259.5	3247.0	3233.9	3221.4	3280.0	3338.1	3396.7	3455.4	3552.8
27.5°	3245.7	3110.3	3080.4	3050.4	3020.4	2990.5	3079.7	3168.3	3257.6	3346.8	3446.0
30°	3354.3	3216.4	3150.2	3084.1	3017.3	2951.2	3036.7	3121.5	3207.0	3291.9	3401.7
32.5°	3472.3	3378.7	3334.3	3290.7	3246.4	3202.7	3209.5	3216.4	3223.3	3230.1	3384.9
35°	3655.7	3514.1	3470.4	3426.7	3383.0	3339.3	3412.3	3484.7	3557.8	3630.1	3761.2
37.5°	4202.4	4124.4	4045.8	3967.1	3887.9	3809.3	3852.3	3895.4	3938.4	3981.5	4105.1
40°	4667.3	4535.7	4522.5	4510.1	4497.0	4483.9	4487.6	4490.7	4494.5	4498.2	4603.7
42.5°	5493.6	5385.0	5318.2	5251.4	5184.7	5117.9	5113.5	5109.2	5104.2	5099.8	5179.1
45°	6390.4	6309.9	6259.9	6210.0	6159.5	6109.5	6030.3	5951.0	5871.1	5791.9	5861.2
47.5°	7171.7	7176.0	7266.5	7356.4	7446.9	7537.4	7402.0	7266.5	7131.1	6995.7	6906.5
50°	8215.1	8399.8	8421.7	8442.9	8464.7	8486.6	8256.9	8027.9	7798.2	7568.6	7475.0
52.5°	8945.2	9204.9	9171.2	9138.1	9104.4	9070.7	8937.8	8805.5	8672.5	8539.6	8335.5
55°	9394.6	9683.5	9657.9	9633.0	9607.4	9581.8	9485.1	9388.3	9291.6	9194.9	8970.8
57.5°	9654.8	9929.4	9936.9	9944.4	9951.9	9959.3	9933.8	9908.2	9882.6	9857.0	9565.6
60°	9742.8	10040.5	10043.6	10046.1	10049.2	10051.7	10011.1	9970.6	9929.4	9888.8	9698.5
62.5°	9471.3	9737.2	9749.0	9760.3	9772.1	9784.0	9755.9	9727.8	9699.7	9671.7	9530.6
65°	9062.6	9229.2	9232.3	9234.8	9237.9	9241.1	9169.9	9099.4	9028.2	8957.1	8923.4
67.5°	7848.8	7860.0	7926.2	7992.3	8058.5	8124.6	8130.2	8135.8	8142.1	8147.7	8099.0
70°	6337.9	6273.0	6344.8	6416.6	6488.3	6560.1	6590.7	6621.3	6652.5	6683.0	6705.5
72.5°	4935.1	4827.1	4880.1	4933.2	4986.8	5039.9	4994.3	4948.8	4903.2	4857.7	5001.8
75°	3746.8	3613.9	3607.1	3600.8	3594.0	3587.7	3564.6	3541.5	3517.8	3494.7	3629.5
77.5°	2869.4	2783.3	2787.7	2791.4	2795.8	2799.5	2775.8	2752.7	2729.0	2705.3	2757.1
80°	2378.3	2401.4	2402.0	2402.6	2403.2	2403.9	2381.4	2359.6	2337.1	2314.6	2277.2
82.5°	1906.5	1968.3	1967.7	1967.7	1967.0	1966.4	1965.2	1963.9	1962.0	1960.8	1899.6
85°	1366.1	1407.3	1364.8	1322.4	1279.9	1237.5	1268.7	1299.9	1331.7	1362.9	1337.4
87.5°	462.4	423.7	373.2	323.3	272.7	222.2	276.5	330.8	385.7	440.0	471.2
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: P597060
 CATALOG NUMBER: MSA-SA3C-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: P597060

CATALOG NUMBER: MSA-SA3C-835-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1	1356.1
2.5°	1636.3	1630.0	1624.4	1585.1	1545.2	1505.9	1465.9	1538.3	1611.3	1683.7	1756.1
5°	2074.4	2061.3	2048.8	2045.7	2042.5	2038.8	2035.7	2072.5	2109.3	2145.5	2182.3
7.5°	2351.5	2341.5	2331.5	2305.3	2279.7	2253.5	2227.3	2249.7	2271.6	2294.0	2315.9
10°	2562.4	2540.5	2518.7	2461.9	2405.7	2349.0	2292.2	2275.3	2258.5	2241.6	2224.8
12.5°	2833.2	2779.6	2726.5	2662.2	2597.3	2533.1	2468.1	2459.4	2450.7	2442.6	2433.8
15°	3044.8	3027.9	3011.1	2959.9	2908.7	2857.6	2806.4	2737.7	2668.5	2599.8	2531.2
17.5°	3042.9	3016.1	2989.9	3058.5	3126.5	3195.2	3263.2	3190.2	3116.5	3043.5	2970.5
20°	3137.8	3122.2	3107.2	3233.9	3359.9	3486.6	3612.7	3572.7	3532.2	3492.2	3451.7
22.5°	3387.4	3447.3	3506.6	3615.2	3723.1	3831.7	3939.7	3985.2	4030.8	4076.3	4121.9
25°	3649.5	3746.8	3844.2	4005.8	4166.8	4328.5	4490.1	4522.5	4555.0	4587.5	4619.9
27.5°	3544.7	3643.9	3743.1	3865.4	3987.1	4109.4	4231.1	4373.4	4516.3	4658.6	4800.9
30°	3511.0	3620.8	3730.0	3897.9	4065.1	4233.0	4400.9	4596.8	4792.8	4988.1	5184.1
32.5°	3539.0	3693.8	3848.6	4075.7	4302.3	4529.4	4756.6	4962.5	5169.1	5375.0	5581.0
35°	3891.6	4022.7	4153.1	4407.1	4661.1	4915.1	5169.1	5410.6	5652.1	5893.0	6134.5
37.5°	4228.0	4351.6	4475.1	4734.7	4993.7	5253.3	5512.9	5894.2	6276.2	6657.5	7038.8
40°	4708.5	4814.0	4918.8	5141.0	5363.2	5585.3	5807.5	6267.4	6727.3	7187.3	7647.2
42.5°	5257.7	5336.9	5415.6	5645.9	5876.1	6106.4	6336.7	6837.2	7338.3	7838.8	8339.3
45°	5929.8	5999.1	6068.3	6226.9	6385.4	6544.5	6703.0	7219.1	7735.2	8251.3	8767.4
47.5°	6817.2	6728.0	6638.7	6716.7	6794.7	6872.8	6950.8	7461.2	7971.7	8481.6	8992.1
50°	7381.4	7287.8	7194.1	7201.0	7207.2	7214.1	7221.0	7697.1	8173.3	8648.8	9125.0
52.5°	8131.5	7926.8	7722.7	7720.8	7719.0	7716.5	7714.6	8129.6	8545.2	8960.2	9375.2
55°	8746.8	8522.8	8298.7	8255.0	8211.4	8167.0	8123.4	8534.0	8944.0	9354.6	9764.6
57.5°	9274.1	8982.1	8690.6	8622.0	8553.3	8484.7	8416.0	8858.5	9301.6	9744.0	10186.5
60°	9508.8	9318.4	9128.7	9044.5	8960.2	8876.0	8791.7	9168.7	9545.6	9921.9	10298.8
62.5°	9390.2	9249.2	9108.8	9128.1	9147.4	9166.8	9186.1	9401.4	9617.4	9832.7	10048.0
65°	8890.3	8856.6	8823.6	8979.6	9135.6	9291.6	9447.6	9450.7	9453.9	9457.0	9460.1
67.5°	8050.4	8001.7	7953.0	8277.5	8601.4	8925.9	9250.4	9096.3	8942.1	8788.6	8634.5
70°	6727.3	6749.8	6771.7	7213.5	7654.7	8096.5	8538.4	8315.0	8090.9	7867.5	7643.5
72.5°	5146.0	5290.8	5434.9	5893.0	6351.0	6809.1	7267.2	7011.9	6756.1	6500.8	6244.9
75°	3764.3	3899.1	4033.9	4486.4	4938.8	5391.9	5844.3	5541.0	5237.7	4935.1	4631.8
77.5°	2808.9	2861.3	2913.1	3289.4	3665.1	4041.4	4417.1	4112.5	3808.0	3504.1	3199.5
80°	2240.4	2202.9	2166.1	2374.5	2583.0	2791.4	2999.8	2783.9	2567.4	2351.5	2135.5
82.5°	1839.1	1777.9	1717.4	1794.8	1872.2	1950.2	2027.6	1854.7	1681.8	1509.0	1336.1
85°	1311.8	1286.2	1260.6	1283.1	1304.9	1327.4	1349.8	1181.3	1012.8	845.0	676.5
87.5°	501.7	532.9	564.1	599.7	634.7	670.2	705.2	552.3	399.4	247.1	94.2
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: P597060
 CATALOG NUMBER: MSA-SA3C-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

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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1356.1	1356.1
2.5°	1786.1	1816.0
5°	2181.7	2181.1
7.5°	2305.9	2295.3
10°	2197.3	2169.9
12.5°	2352.7	2270.9
15°	2450.1	2368.3
17.5°	2847.6	2724.0
20°	3305.0	3157.7
22.5°	3897.9	3673.8
25°	4352.2	4083.8
27.5°	4641.7	4482.0
30°	5001.2	4818.4
32.5°	5446.2	5310.7
35°	6010.9	5886.7
37.5°	7000.1	6960.7
40°	7600.4	7553.0
42.5°	8341.2	8342.4
45°	8795.5	8823.6
47.5°	9063.2	9133.7
50°	9276.6	9427.6
52.5°	9581.8	9788.4
55°	10039.2	10313.2
57.5°	10419.9	10653.3
60°	10419.9	10540.3
62.5°	10044.8	10041.1
65°	9402.1	9343.4
67.5°	8560.8	8487.2
70°	7528.6	7413.2
72.5°	6102.0	5958.5
75°	4435.2	4238.0
77.5°	3105.9	3011.7
80°	2181.1	2226.6
82.5°	1401.0	1465.9
85°	666.5	656.5
87.5°	78.6	63.0
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0



REPORT NUMBER: P597060
CATALOG NUMBER: MSA-SA3C-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)