

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: P597082

Luminaire Tested: **MSA-SA3D-835-U-SLR**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P597082
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-SA3D-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: 14057 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

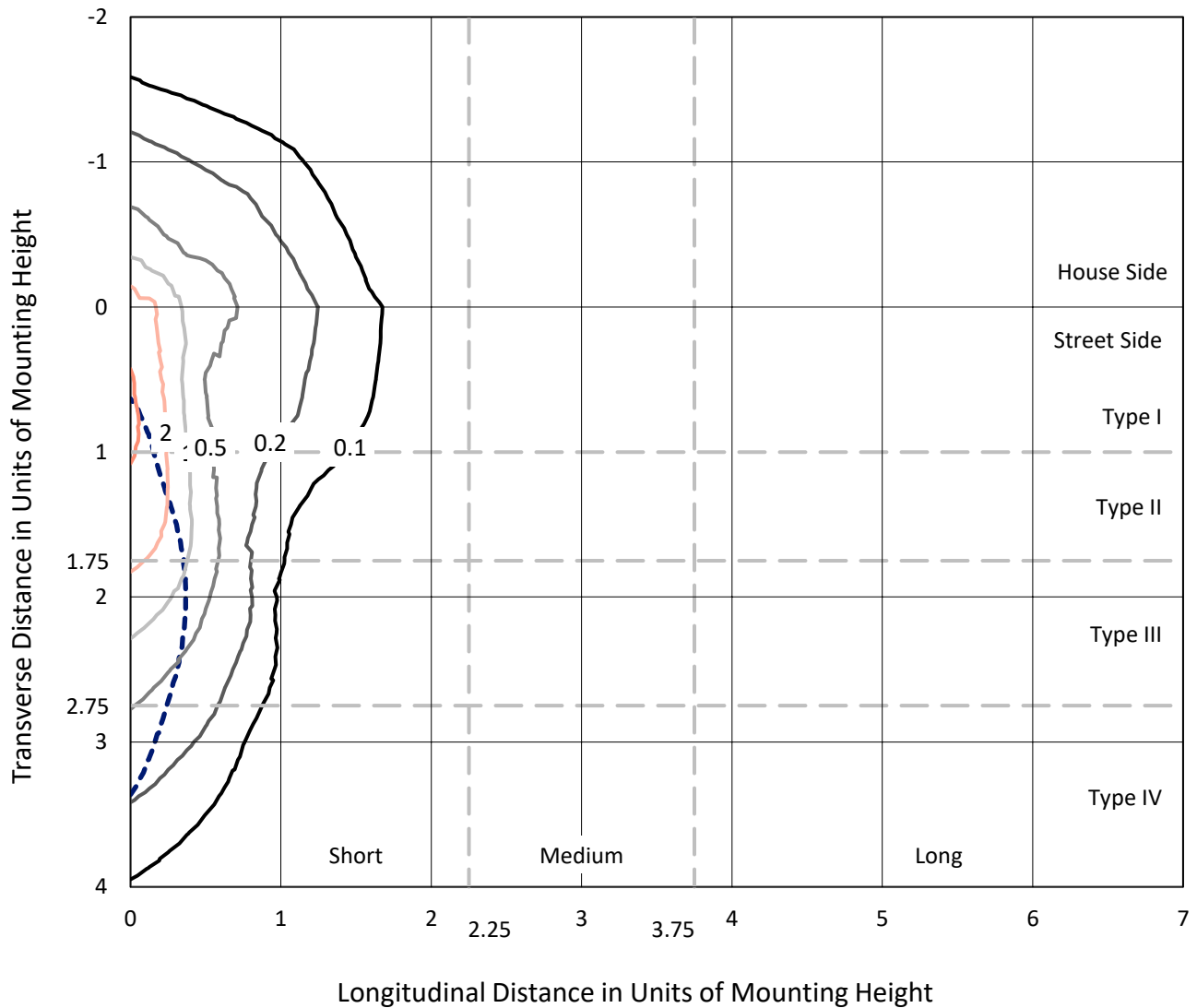
Input Watts (W): 192
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

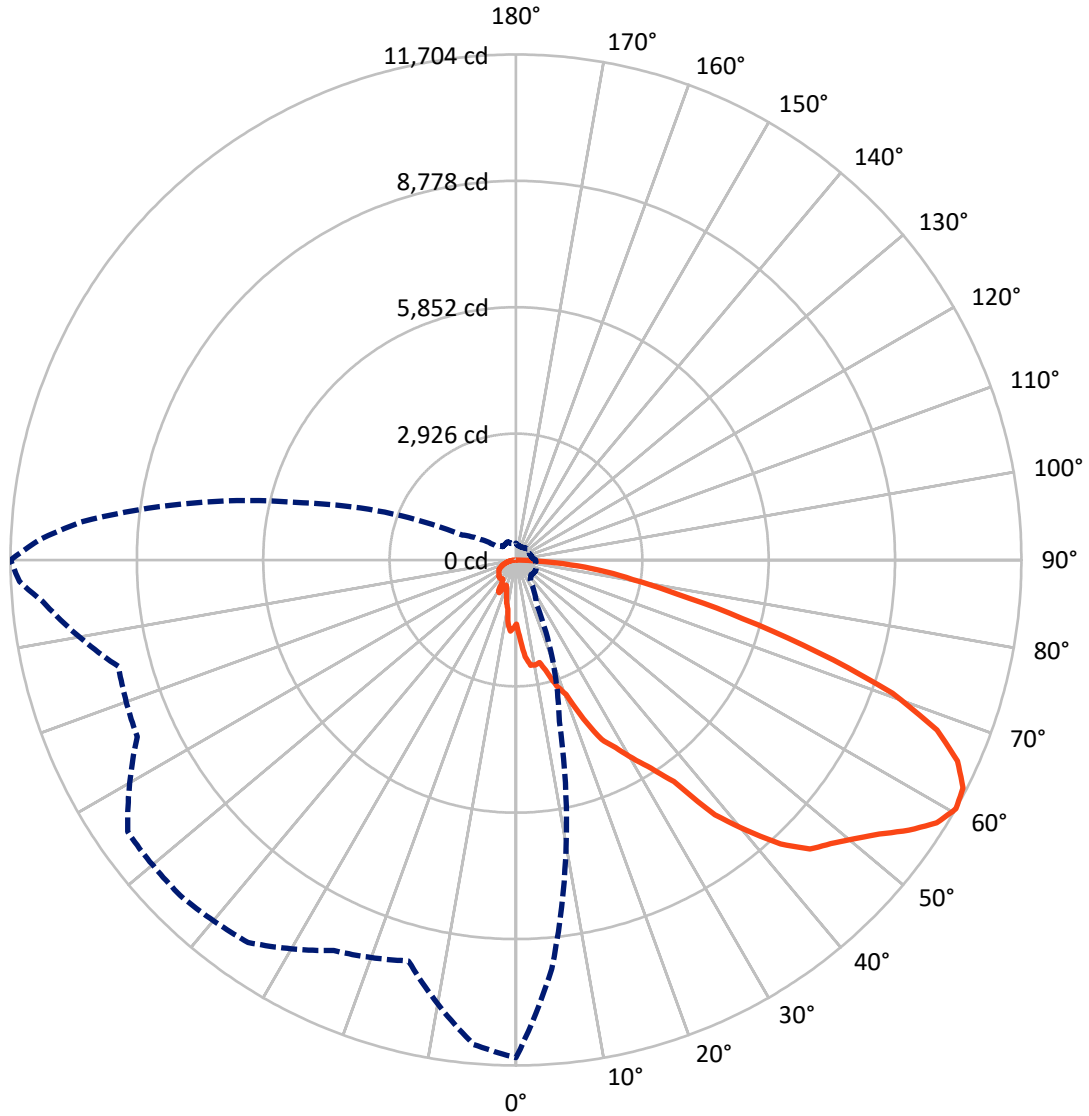
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 270-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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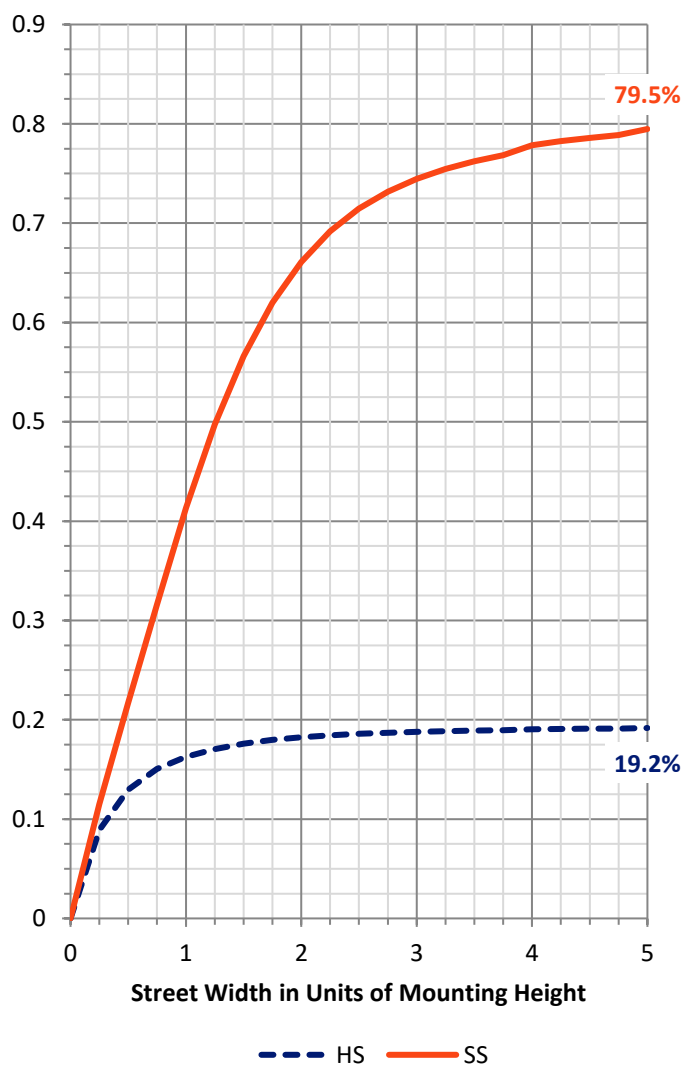
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2722.6	0.0	2722.6
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	11334.4	0.0	11334.4
	% Fixture	80.6	0.0	80.6
Total	Lumens	14057.0	0.0	14057.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.0	1.2
10°-20°	493.9	3.5
20°-30°	871.9	6.2
30°-40°	1358.0	9.7
40°-50°	2235.7	15.9
50°-60°	3191.2	22.7
60°-70°	3383.8	24.1
70°-80°	1869.0	13.3
80°-90°	483.6	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°	14057.0	100.0
0°-180°	14057.0	100.0

Coefficient of Utilization



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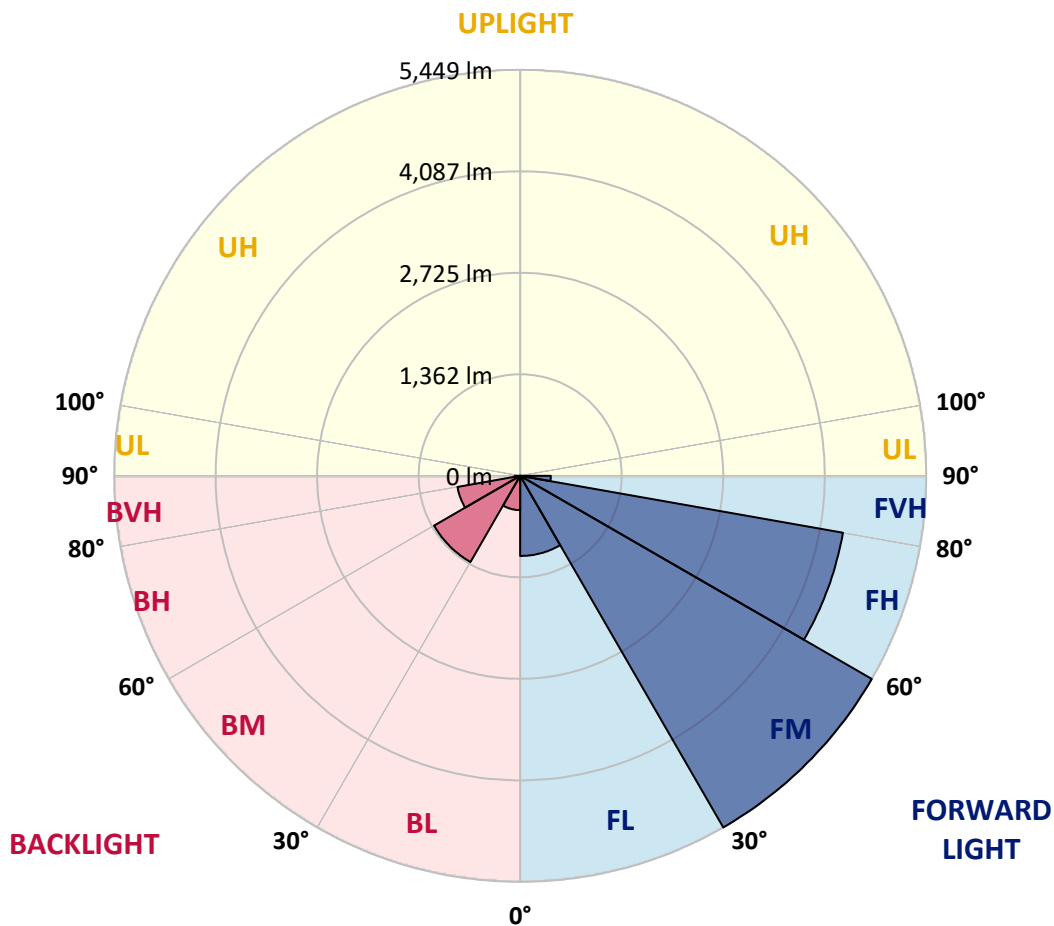
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1075.6	7.7			
FM (30°-60°)	5449.4	38.8			
FH (60°-80°)	4398.5	31.3			G2/5000
FVH (80°-90°)	411.0	2.9			G3/500
BL (0°-30°)	460.2	3.3	B1/500		
BM (30°-60°)	1335.5	9.5	B2/2500		
BH (60°-80°)	854.3	6.1	B2/1000		G2/1000
BVH (80°-90°)	72.6	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°	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6
2.5°	1985.5	1997.8	2009.4	1986.2	1963.0	1939.1	1915.9	1881.1	1845.6	1810.8	1775.4
5°	2384.7	2339.6	2293.9	2275.5	2257.7	2239.3	2220.9	2203.8	2186.8	2169.0	2152.0
7.5°	2509.5	2445.4	2380.6	2353.3	2326.0	2298.0	2270.7	2209.3	2147.9	2085.8	2024.4
10°	2372.4	2305.5	2238.0	2211.3	2184.1	2157.4	2130.2	2055.1	1980.7	1905.7	1830.6
12.5°	2482.9	2414.7	2345.8	2261.2	2176.6	2091.3	2006.7	1965.0	1923.4	1881.1	1839.5
15°	2589.3	2497.2	2404.4	2319.8	2235.2	2149.9	2065.3	1982.1	1898.9	1815.6	1732.4
17.5°	2978.3	2824.7	2671.2	2518.4	2364.9	2212.0	2058.5	1962.3	1865.4	1769.2	1672.3
20°	3452.5	3238.9	3024.7	2792.7	2560.0	2328.0	2095.4	1973.9	1853.1	1731.7	1610.2
22.5°	4016.7	3747.2	3477.7	3185.0	2892.3	2598.9	2306.2	2130.2	1954.1	1777.4	1601.4
25°	4465.0	4205.7	3946.4	3575.3	3204.1	2832.9	2461.8	2261.8	2061.9	1861.3	1661.4
27.5°	4900.3	4487.5	4074.0	3649.0	3224.6	2799.5	2374.4	2189.5	2004.6	1819.7	1634.8
30°	5268.1	4940.6	4613.1	4058.3	3503.6	2948.2	2393.5	2166.3	1939.1	1711.9	1484.7
32.5°	5806.4	5339.0	4871.0	4292.4	3713.8	3135.2	2556.6	2265.9	1975.3	1684.6	1393.9
35°	6436.2	5950.4	5464.6	4748.8	4033.8	3318.0	2602.3	2294.6	1986.2	1678.5	1370.1
37.5°	7610.4	6754.1	5897.2	5115.9	4334.7	3552.8	2771.5	2414.0	2056.5	1698.3	1340.7
40°	8257.9	7466.5	6675.0	5701.3	4727.7	3753.4	2779.7	2414.0	2047.6	1681.9	1315.5
42.5°	9121.0	8120.1	7118.5	6065.7	5013.6	3960.8	2908.0	2502.7	2097.4	1691.4	1286.1
45°	9647.1	8531.5	7415.3	6290.2	5165.0	4039.9	2914.8	2503.4	2091.9	1680.5	1269.1
47.5°	9986.2	8915.0	7843.1	6632.0	5420.9	4209.1	2998.0	2561.4	2124.0	1687.3	1250.0
50°	10307.6	9246.6	8184.9	6927.4	5670.6	4413.1	3155.7	2678.7	2201.8	1724.2	1247.3
52.5°	10701.9	9724.9	8747.1	7398.2	6048.6	4699.7	3350.1	2830.9	2311.6	1792.4	1273.2
55°	11275.8	10313.0	9349.6	7901.8	6453.2	5005.4	3556.9	2980.3	2404.4	1827.9	1251.3
57.5°	11647.6	10671.2	9694.9	8218.4	6741.8	5264.7	3788.2	3149.5	2510.9	1871.6	1232.9
60°	11524.1	10517.0	9509.3	8101.7	6694.1	5286.5	3878.9	3189.1	2500.0	1810.2	1120.3
62.5°	10978.3	9907.7	8837.2	7576.3	6316.1	5055.2	3794.3	3092.9	2392.2	1690.7	989.3
65°	10215.5	9108.8	8001.4	6864.0	5726.6	4589.2	3451.8	2815.2	2177.9	1541.3	904.1
67.5°	9279.3	8125.6	6971.1	5964.0	4956.9	3949.2	2942.1	2409.9	1878.4	1346.2	814.0
70°	8105.1	6971.1	5837.1	4965.8	4094.5	3223.2	2351.9	1951.4	1551.6	1151.0	750.5
72.5°	6514.6	5536.2	4557.8	3872.1	3186.4	2500.6	1814.9	1536.5	1258.9	980.5	702.1
75°	4633.5	4058.3	3483.2	2949.6	2416.0	1881.8	1348.2	1168.1	988.0	807.8	627.7
77.5°	3292.8	2953.7	2614.6	2196.3	1778.1	1359.8	941.6	835.8	730.7	625.0	519.2
80°	2434.5	2151.3	1868.1	1552.9	1237.7	922.5	607.3	555.4	504.2	452.4	400.5
82.5°	1602.7	1475.1	1346.9	1097.1	847.4	597.7	348.0	328.9	309.8	290.7	271.6
85°	717.8	758.0	797.6	644.8	491.3	338.4	184.9	176.0	167.2	158.3	149.4
87.5°	68.9	101.7	134.4	115.3	95.5	76.4	56.6	55.9	55.9	55.3	54.6
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



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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°	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6
2.5°	1784.9	1794.5	1804.0	1813.6	1803.3	1793.1	1782.2	1771.9	1759.0	1746.0	1732.4
5°	2123.3	2094.0	2065.3	2036.0	1992.3	1948.7	1904.3	1860.6	1855.2	1849.0	1843.6
7.5°	1970.5	1917.3	1863.4	1809.5	1741.2	1673.7	1605.5	1537.2	1516.8	1496.3	1475.8
10°	1794.5	1757.6	1721.5	1684.6	1642.3	1600.0	1557.0	1514.7	1458.8	1402.1	1346.2
12.5°	1779.4	1719.4	1658.7	1598.6	1572.7	1546.8	1520.9	1494.9	1445.8	1396.7	1346.9
15°	1683.9	1634.8	1586.4	1537.2	1499.7	1462.2	1424.7	1387.1	1347.6	1307.3	1267.7
17.5°	1616.4	1560.4	1504.5	1448.5	1405.5	1362.6	1318.9	1275.9	1228.1	1179.7	1131.9
20°	1546.1	1482.6	1418.5	1354.4	1299.8	1245.9	1191.3	1136.7	1084.2	1032.3	979.8
22.5°	1517.4	1433.5	1349.6	1265.7	1208.4	1150.4	1093.1	1035.1	986.6	938.2	889.7
25°	1561.1	1461.5	1361.2	1260.9	1183.8	1106.0	1028.9	951.1	910.9	870.6	829.7
27.5°	1509.9	1384.4	1259.5	1134.0	1051.4	968.2	885.6	802.4	796.2	790.1	783.3
30°	1353.0	1221.3	1089.6	958.0	882.2	805.8	730.1	653.6	639.3	624.3	610.0
32.5°	1259.5	1125.1	990.7	856.3	788.7	720.5	653.0	584.7	568.4	552.0	535.6
35°	1224.1	1078.0	932.0	786.0	728.0	670.0	612.0	554.0	542.4	531.5	519.9
37.5°	1195.4	1050.7	905.4	760.1	704.1	648.2	591.6	535.6	526.7	517.9	509.0
40°	1168.1	1021.4	874.0	726.7	676.8	627.7	577.9	528.1	522.6	517.2	511.0
42.5°	1143.5	1000.9	857.7	715.1	670.7	627.0	582.7	538.3	532.9	527.4	522.0
45°	1129.9	990.7	851.5	712.3	680.3	648.2	615.4	583.4	570.4	557.4	543.8
47.5°	1119.7	989.3	859.0	728.7	695.3	661.8	628.4	595.0	583.4	571.8	559.5
50°	1121.7	996.8	871.3	745.8	705.5	664.6	624.3	583.4	582.0	580.6	579.3
52.5°	1140.1	1007.8	874.7	741.7	698.0	654.3	610.0	566.3	575.2	583.4	592.2
55°	1113.5	975.7	837.2	699.4	657.7	616.8	575.2	533.6	545.2	556.1	567.7
57.5°	1083.5	934.1	784.6	635.2	603.8	572.5	540.4	509.0	521.3	534.2	546.5
60°	983.9	847.4	711.0	574.5	553.3	532.2	511.0	489.9	495.4	500.8	506.3
62.5°	874.7	759.4	644.8	529.5	513.1	496.0	479.7	462.6	462.6	463.3	463.3
65°	805.1	706.2	607.3	508.3	489.9	471.5	452.4	433.9	431.2	428.5	425.8
67.5°	735.5	657.7	579.3	500.8	474.2	448.3	421.7	395.1	391.6	388.9	385.5
70°	680.9	611.3	541.7	472.2	442.1	412.8	382.8	352.8	350.0	348.0	345.2
72.5°	636.6	571.8	506.3	440.8	409.4	377.3	345.9	313.9	311.8	309.8	307.0
75°	569.7	512.4	454.4	396.4	365.7	335.7	305.0	274.3	271.6	269.5	266.8
77.5°	471.5	423.0	375.3	326.8	302.9	279.7	255.9	232.0	230.6	229.3	227.2
80°	363.0	325.5	287.3	249.7	234.0	217.7	202.0	185.6	184.9	184.2	182.9
82.5°	249.0	226.5	204.0	181.5	169.9	157.6	146.0	133.7	134.4	135.1	135.8
85°	141.9	133.7	126.2	118.0	108.5	99.6	90.1	80.5	82.6	84.6	86.0
87.5°	51.9	49.1	46.4	43.7	38.9	34.8	30.0	25.2	26.6	28.7	30.0
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: P597082
 CATALOG NUMBER: MSA-SA3D-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: P597082

CATALOG NUMBER: MSA-SA3D-835-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6
2.5°	1719.4	1698.9	1678.5	1658.0	1637.5	1595.2	1553.6	1511.3	1469.0	1494.9	1521.5
5°	1837.4	1802.6	1767.2	1732.4	1696.9	1677.1	1657.3	1637.5	1617.7	1628.0	1638.9
7.5°	1455.4	1434.9	1413.7	1393.3	1372.1	1363.2	1355.1	1346.2	1337.3	1362.6	1387.8
10°	1289.6	1260.9	1232.2	1202.9	1174.2	1157.2	1140.1	1123.1	1106.0	1112.8	1119.7
12.5°	1297.7	1255.4	1213.1	1170.8	1128.5	1103.3	1078.0	1052.8	1027.6	1033.7	1039.8
15°	1227.5	1183.8	1140.1	1096.5	1052.8	1023.5	993.4	964.1	934.1	923.8	912.9
17.5°	1083.5	1035.7	988.0	940.2	892.5	872.7	852.9	833.1	813.3	802.4	791.5
20°	927.3	882.9	838.6	794.2	749.9	736.2	722.6	708.2	694.6	687.8	680.3
22.5°	841.3	814.0	786.0	758.7	730.7	715.1	700.0	684.4	668.7	661.2	653.0
25°	789.4	794.9	801.0	806.5	811.9	805.1	797.6	790.8	783.3	786.0	788.1
27.5°	777.1	788.7	801.0	812.6	824.2	830.4	836.5	842.6	848.8	850.8	852.9
30°	595.0	601.1	606.6	612.7	618.2	635.2	652.3	668.7	685.7	712.3	739.6
32.5°	519.2	517.2	515.1	512.4	510.4	514.5	518.6	522.0	526.1	535.6	545.8
35°	508.3	503.5	498.1	493.3	487.8	489.9	491.9	494.0	496.0	503.5	511.0
37.5°	500.1	498.1	496.7	494.7	492.6	497.4	501.5	506.3	510.4	516.5	522.6
40°	505.6	504.9	504.2	502.9	502.2	504.9	507.6	510.4	513.1	521.3	529.5
42.5°	516.5	516.5	515.8	515.8	515.1	517.9	519.9	522.6	524.7	529.5	534.2
45°	530.8	529.5	528.8	527.4	526.1	525.4	525.4	524.7	524.0	526.7	530.2
47.5°	547.9	543.1	537.7	532.9	527.4	526.1	524.0	522.6	520.6	522.0	523.3
50°	577.9	564.9	552.7	539.7	526.7	523.3	519.9	516.5	513.1	512.4	512.4
52.5°	600.4	581.3	562.2	543.1	524.0	517.9	511.7	505.6	499.4	498.1	497.4
55°	578.6	564.3	550.6	536.3	522.0	513.1	503.5	494.7	485.1	483.1	481.0
57.5°	558.8	549.9	541.1	532.2	523.3	514.5	504.9	496.0	486.5	481.7	476.9
60°	511.7	511.7	512.4	512.4	512.4	502.9	493.3	483.8	474.2	469.4	465.3
62.5°	463.3	470.8	477.6	485.1	491.9	479.0	465.3	452.4	438.7	435.3	432.6
65°	423.0	425.1	427.8	429.9	431.9	421.7	411.4	401.2	391.0	388.9	386.2
67.5°	382.1	381.4	380.7	379.4	378.7	372.5	365.7	359.6	352.8	350.0	347.3
70°	342.5	341.8	341.2	339.8	339.1	333.6	328.2	322.7	317.3	315.2	313.2
72.5°	305.0	304.3	302.9	302.3	300.9	296.1	292.0	287.3	282.5	279.7	277.0
75°	264.1	262.7	261.3	260.0	258.6	254.5	250.4	245.6	241.5	238.8	236.1
77.5°	225.8	223.8	221.7	219.0	217.0	213.6	209.5	206.1	202.0	198.6	195.8
80°	182.2	180.8	179.4	177.4	176.0	172.6	169.2	165.1	161.7	157.6	154.2
82.5°	136.5	135.8	134.4	133.7	132.4	129.0	125.5	122.1	118.7	114.6	110.5
85°	88.0	87.3	86.7	86.0	85.3	82.6	80.5	77.8	75.1	71.0	67.5
87.5°	31.4	30.0	29.3	28.0	26.6	25.9	24.6	23.9	22.5	20.5	18.4
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: P597082
 CATALOG NUMBER: MSA-SA3D-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: P597082

CATALOG NUMBER: MSA-SA3D-835-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6
2.5°	1547.5	1573.4	1574.1	1574.1	1586.4	1598.0	1574.1	1550.2	1525.6	1501.8	1477.9
5°	1649.1	1659.4	1656.6	1653.2	1638.2	1623.2	1607.5	1591.8	1576.1	1560.4	1561.1
7.5°	1413.1	1438.3	1458.8	1478.6	1459.4	1440.3	1430.1	1419.9	1409.6	1399.4	1398.0
10°	1125.8	1132.6	1140.8	1148.3	1136.7	1124.4	1144.9	1165.4	1185.2	1205.6	1183.1
12.5°	1046.0	1052.1	1037.8	1022.8	1018.0	1013.2	1008.4	1003.0	998.2	992.8	990.0
15°	902.7	891.8	880.9	869.3	866.5	863.1	859.7	855.6	852.2	848.1	835.8
17.5°	780.6	769.6	751.2	732.1	724.6	716.4	714.4	712.3	709.6	707.5	696.0
20°	673.4	665.9	661.2	655.7	648.2	640.7	633.2	625.7	617.5	610.0	599.1
22.5°	645.5	637.3	631.1	624.3	622.9	621.6	607.9	593.6	580.0	565.6	559.5
25°	790.8	792.8	755.3	717.1	713.7	710.3	685.7	660.5	635.9	610.7	589.5
27.5°	854.2	856.3	854.9	853.6	842.6	831.0	789.4	747.1	705.5	663.2	633.2
30°	766.2	792.8	803.1	813.3	805.8	797.6	753.9	711.0	667.3	623.6	603.8
32.5°	555.4	564.9	582.0	598.4	607.3	615.4	601.8	588.1	574.5	560.9	557.4
35°	517.9	525.4	528.8	532.2	526.7	521.3	511.0	500.8	489.9	479.7	477.6
37.5°	528.1	534.2	541.1	547.9	532.9	517.2	505.6	494.7	483.1	471.5	461.9
40°	537.7	545.8	549.9	554.0	539.0	524.0	509.7	496.0	481.7	467.4	457.8
42.5°	539.0	543.8	551.3	558.8	537.7	515.8	502.9	489.2	476.2	462.6	453.1
45°	532.9	535.6	542.4	549.3	524.7	499.4	487.8	475.6	464.0	451.7	443.5
47.5°	524.0	525.4	530.8	535.6	509.7	483.1	472.2	461.2	449.6	438.7	430.5
50°	511.7	511.0	515.1	518.6	491.9	465.3	454.4	444.2	433.3	422.3	415.5
52.5°	496.0	494.7	498.8	502.2	474.2	446.2	436.7	427.8	418.3	408.7	403.2
55°	478.3	476.2	479.7	483.1	455.8	427.8	419.6	410.7	402.6	393.7	388.9
57.5°	471.5	466.7	468.7	470.8	440.1	409.4	401.2	393.0	384.8	376.6	373.2
60°	460.6	455.8	457.8	459.2	426.4	393.0	385.5	377.3	369.8	361.6	358.2
62.5°	429.2	425.8	428.5	431.2	401.9	371.9	365.0	358.9	352.1	345.2	340.5
65°	384.1	381.4	386.9	392.3	367.1	341.8	337.7	333.6	328.9	324.8	320.0
67.5°	344.6	341.8	347.3	352.8	334.3	315.9	311.8	307.7	303.6	299.5	296.8
70°	311.1	309.1	313.9	318.6	302.9	287.3	283.2	279.7	275.7	271.6	269.5
72.5°	273.6	270.9	277.0	282.5	269.5	255.9	252.5	248.4	244.9	240.9	239.5
75°	233.3	230.6	236.1	240.9	232.0	222.4	219.0	215.6	212.2	208.8	208.1
77.5°	192.4	189.0	194.5	199.2	193.8	187.6	184.9	181.5	178.8	175.4	175.4
80°	150.1	146.0	150.1	153.5	151.5	149.4	147.4	144.6	142.6	139.9	140.6
82.5°	106.4	102.3	104.4	106.4	107.8	109.2	109.2	109.2	109.2	109.2	109.2
85°	63.5	59.4	60.0	60.7	62.8	64.8	65.5	66.2	66.9	67.5	68.2
87.5°	16.4	14.3	13.0	10.9	13.0	14.3	15.7	16.4	17.7	18.4	18.4
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: P597082
 CATALOG NUMBER: MSA-SA3D-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: P597082
 CATALOG NUMBER: MSA-SA3D-835-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6
2.5°	1454.0	1429.4	1405.5	1420.6	1434.9	1449.9	1464.2	1464.9	1464.9	1465.6	1465.6
5°	1562.5	1563.2	1563.8	1549.5	1535.9	1521.5	1507.2	1499.7	1492.2	1484.0	1476.5
7.5°	1396.0	1394.6	1392.6	1378.9	1365.3	1351.6	1338.0	1305.2	1271.8	1239.1	1205.6
10°	1159.9	1137.4	1114.2	1108.7	1104.0	1098.5	1093.1	1084.2	1076.0	1067.1	1058.3
12.5°	987.3	984.6	981.8	967.5	953.2	938.2	923.8	923.8	923.8	923.8	923.8
15°	822.9	810.6	797.6	790.8	783.3	776.5	769.0	765.5	762.1	758.7	755.3
17.5°	683.7	672.1	659.8	658.4	657.1	655.7	654.3	650.9	647.5	644.1	640.7
20°	588.1	577.2	566.3	570.4	574.5	577.9	582.0	578.6	575.2	571.1	567.7
22.5°	552.7	546.5	539.7	536.3	532.9	528.8	525.4	525.4	526.1	526.1	526.1
25°	569.0	547.9	526.7	516.5	506.3	495.4	485.1	481.0	477.6	473.5	469.4
27.5°	603.2	572.5	542.4	524.7	507.0	489.2	471.5	464.0	455.8	448.3	440.1
30°	583.4	563.6	543.1	522.6	502.2	481.7	461.2	451.7	442.1	431.9	422.3
32.5°	554.0	549.9	546.5	527.4	508.3	488.5	469.4	465.3	461.9	457.8	453.7
35°	474.9	472.8	470.1	465.3	460.6	455.8	451.0	445.5	440.1	434.6	429.2
37.5°	453.1	443.5	433.9	431.9	429.9	427.8	425.8	423.7	421.7	418.9	416.9
40°	448.3	438.7	429.2	425.8	422.3	418.3	414.8	415.5	416.9	417.6	418.3
42.5°	442.8	433.3	423.0	420.3	417.6	414.8	412.1	412.8	414.2	414.8	415.5
45°	436.0	427.8	419.6	414.8	410.7	406.0	401.2	405.3	409.4	412.8	416.9
47.5°	422.3	413.5	405.3	402.6	399.8	396.4	393.7	397.8	401.9	405.3	409.4
50°	408.0	401.2	393.7	393.0	392.3	391.0	390.3	393.0	395.7	398.5	401.2
52.5°	397.1	391.6	385.5	385.5	384.8	384.8	384.1	386.9	389.6	391.6	394.4
55°	384.8	380.0	375.3	375.9	377.3	378.0	378.7	381.4	384.8	387.5	390.3
57.5°	369.1	365.7	361.6	364.4	366.4	369.1	371.2	373.2	375.9	378.0	380.0
60°	354.1	350.7	346.6	349.3	352.8	355.5	358.2	360.3	362.3	364.4	366.4
62.5°	335.7	330.2	325.5	329.6	333.0	337.1	340.5	341.8	343.9	345.2	346.6
65°	315.9	311.1	306.4	309.1	311.8	313.9	316.6	318.6	320.7	322.7	324.8
67.5°	293.4	290.7	287.3	289.3	291.3	293.4	295.4	296.1	296.1	296.8	296.8
70°	266.8	264.7	262.0	263.4	265.4	266.8	268.1	268.1	268.1	267.5	267.5
72.5°	238.8	237.4	236.1	236.8	238.1	238.8	239.5	238.8	238.1	237.4	236.8
75°	207.4	206.7	206.1	206.7	208.1	208.8	209.5	208.8	207.4	206.7	205.4
77.5°	176.0	176.0	176.0	176.0	176.7	176.7	176.7	175.4	174.0	172.6	171.3
80°	141.2	141.9	142.6	142.6	142.6	142.6	142.6	141.2	139.9	137.8	136.5
82.5°	109.2	109.2	109.2	109.2	109.9	109.9	109.9	106.4	103.7	100.3	96.9
85°	68.2	68.9	68.9	69.6	70.3	70.3	71.0	66.2	62.1	57.3	52.5
87.5°	18.4	18.4	18.4	18.4	18.4	17.7	17.7	13.6	8.9	4.8	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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: P597082

CATALOG NUMBER: MSA-SA3D-835-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6
2.5°	1469.7	1473.8	1477.2	1481.3	1482.0	1482.6	1482.6	1483.3	1469.0	1454.7	1439.7
5°	1486.7	1496.3	1506.5	1516.1	1514.0	1512.0	1509.9	1507.9	1503.8	1500.4	1496.3
7.5°	1198.1	1191.3	1183.8	1176.3	1182.4	1188.6	1194.7	1200.9	1203.6	1206.3	1208.4
10°	1041.2	1024.1	1007.1	990.0	980.5	970.2	960.7	950.4	949.1	948.4	947.0
12.5°	906.1	887.7	869.9	851.5	846.1	839.9	834.5	828.3	833.8	839.2	844.0
15°	747.8	741.0	733.5	726.0	732.1	738.3	744.4	750.5	756.0	760.8	766.2
17.5°	637.3	634.5	631.1	627.7	633.2	639.3	644.8	650.2	662.5	674.8	687.1
20°	564.9	562.9	560.2	557.4	555.4	552.7	550.6	547.9	565.6	582.7	600.4
22.5°	522.0	517.9	513.8	509.7	510.4	511.0	511.0	511.7	526.1	541.1	555.4
25°	468.1	466.7	465.3	464.0	468.1	472.2	475.6	479.7	492.6	505.6	517.9
27.5°	440.8	441.5	442.1	442.8	448.3	454.4	459.9	465.3	474.2	483.1	491.9
30°	425.8	429.9	433.3	436.7	438.7	440.8	442.8	444.9	453.7	461.9	470.8
32.5°	448.3	442.8	436.7	431.2	433.9	437.4	440.1	442.8	451.0	459.2	467.4
35°	427.1	424.4	422.3	419.6	423.0	426.4	429.2	432.6	440.1	446.9	454.4
37.5°	416.2	415.5	414.8	414.2	416.2	418.3	419.6	421.7	428.5	435.3	441.5
40°	415.5	412.1	409.4	406.0	408.0	410.1	411.4	413.5	421.7	429.9	438.0
42.5°	411.4	407.3	402.6	398.5	400.5	403.2	405.3	407.3	416.2	424.4	433.3
45°	410.7	404.6	397.8	391.6	394.4	397.1	399.8	402.6	409.4	416.2	422.3
47.5°	403.2	397.1	391.0	384.8	386.2	387.5	388.2	389.6	395.7	401.2	407.3
50°	397.1	392.3	388.2	383.5	381.4	380.0	378.0	375.9	380.7	385.5	390.3
52.5°	389.6	384.8	379.4	374.6	371.9	369.1	366.4	363.7	367.8	371.2	375.3
55°	384.8	378.7	373.2	367.1	363.7	360.3	356.8	353.4	356.2	358.2	360.9
57.5°	374.6	369.1	363.0	357.5	353.4	349.3	344.6	340.5	341.8	343.2	344.6
60°	360.9	354.8	349.3	343.2	338.4	333.6	328.2	323.4	324.1	325.5	326.1
62.5°	341.2	335.7	329.6	324.1	318.6	313.9	308.4	302.9	304.3	305.0	306.4
65°	319.3	313.2	307.7	301.6	296.8	292.0	286.6	281.8	283.2	284.5	285.2
67.5°	292.7	287.9	283.8	279.1	275.0	270.2	266.1	261.3	262.0	262.7	263.4
70°	264.1	260.0	256.5	252.5	249.0	245.6	242.2	238.8	238.8	239.5	239.5
72.5°	233.3	229.9	226.5	223.1	219.7	217.0	213.6	210.1	211.5	212.9	213.6
75°	202.0	199.2	195.8	192.4	189.7	187.0	183.5	180.8	182.2	183.5	184.2
77.5°	169.2	167.2	164.4	162.4	159.7	156.9	153.5	150.8	152.2	153.5	154.2
80°	135.1	133.7	131.7	130.3	127.6	124.9	122.1	119.4	120.1	120.1	120.8
82.5°	97.6	98.3	98.3	98.9	96.9	94.2	92.1	89.4	89.4	89.4	88.7
85°	54.6	57.3	59.4	61.4	59.4	57.3	55.3	53.2	52.5	52.5	51.9
87.5°	2.0	3.4	5.5	6.8	6.1	5.5	4.1	3.4	4.1	4.8	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: P597082
 CATALOG NUMBER: MSA-SA3D-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: P597082

CATALOG NUMBER: MSA-SA3D-835-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6
2.5°	1425.3	1436.9	1448.5	1460.1	1471.7	1489.5	1507.2	1525.6	1544.1	1533.8	1522.9
5°	1492.2	1499.0	1506.5	1513.4	1520.2	1540.0	1559.1	1582.9	1606.1	1603.4	1600.0
7.5°	1211.1	1220.6	1230.2	1239.1	1248.6	1278.6	1308.7	1333.9	1359.2	1355.7	1351.6
10°	945.7	965.5	985.9	1005.7	1025.5	1050.1	1073.9	1095.1	1116.2	1151.7	1186.5
12.5°	849.5	880.2	910.9	941.6	972.3	990.0	1007.1	1034.4	1061.7	1080.8	1100.6
15°	771.0	799.7	828.3	857.0	885.6	887.0	888.4	917.0	945.7	962.0	977.7
17.5°	699.4	715.1	730.7	745.8	761.5	756.0	750.5	764.2	777.1	784.0	791.5
20°	617.5	628.4	639.3	650.2	661.2	668.7	675.5	683.7	691.2	684.4	676.8
22.5°	569.7	586.1	603.2	619.5	635.9	640.7	644.8	640.0	635.2	633.2	631.1
25°	530.8	550.6	571.1	590.9	610.7	620.2	629.8	633.9	637.3	629.8	622.3
27.5°	500.8	524.7	547.9	571.8	595.0	612.0	629.1	633.9	638.0	632.5	626.4
30°	479.0	504.9	530.8	556.8	582.7	608.6	633.9	656.4	678.2	676.2	674.1
32.5°	475.6	493.3	511.0	528.8	546.5	562.9	578.6	580.0	580.6	575.2	569.0
35°	461.2	472.8	484.4	496.0	507.6	517.9	527.4	526.1	524.7	519.2	513.8
37.5°	448.3	459.9	472.2	483.8	495.4	513.1	530.2	526.7	522.6	517.2	511.7
40°	446.2	459.2	472.2	484.4	497.4	513.8	530.2	526.7	523.3	516.5	509.7
42.5°	441.5	454.4	466.7	479.7	491.9	511.7	530.8	524.7	517.9	512.4	507.0
45°	429.2	440.8	452.4	464.0	475.6	496.7	517.9	510.4	502.9	500.8	498.1
47.5°	412.8	424.4	436.0	447.6	459.2	480.3	500.8	494.7	487.8	487.2	485.8
50°	395.1	406.0	417.6	428.5	439.4	460.6	481.0	475.6	470.1	470.8	470.8
52.5°	378.7	388.9	398.5	408.7	418.3	439.4	459.9	455.8	451.0	452.4	453.1
55°	363.0	371.2	379.4	387.5	395.7	416.2	436.7	430.5	424.4	426.4	428.5
57.5°	345.9	352.8	359.6	365.7	372.5	393.0	412.8	406.0	398.5	401.9	404.6
60°	326.8	333.0	339.1	344.6	350.7	369.1	386.9	380.7	373.9	378.7	382.8
62.5°	307.0	311.8	316.6	321.4	326.1	343.2	360.3	355.5	350.7	356.2	360.9
65°	286.6	290.0	294.1	297.5	300.9	317.3	333.0	329.6	326.1	330.9	335.7
67.5°	264.1	266.8	270.2	272.9	275.7	290.7	305.7	302.3	298.2	302.3	305.7
70°	239.5	242.2	244.3	247.0	249.0	262.7	276.3	271.6	266.1	270.2	273.6
72.5°	214.9	216.3	218.3	219.7	221.1	231.3	241.5	237.4	233.3	237.4	240.9
75°	185.6	187.0	188.3	189.7	191.0	199.9	208.1	203.3	197.9	202.0	206.1
77.5°	155.6	156.2	157.6	158.3	159.0	165.1	170.6	165.8	160.3	165.1	169.9
80°	120.8	121.5	122.1	122.1	122.8	124.9	126.9	123.5	119.4	125.5	131.7
82.5°	88.7	88.0	88.0	87.3	86.7	86.7	86.0	83.9	81.2	86.7	92.1
85°	51.2	50.5	49.1	48.4	47.1	45.0	43.0	42.3	41.6	46.4	51.2
87.5°	5.5	4.8	3.4	2.7	1.4	0.7	0.0	0.0	0.0	2.7	6.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597082
 CATALOG NUMBER: MSA-SA3D-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: P597082

CATALOG NUMBER: MSA-SA3D-835-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6
2.5°	1512.7	1501.8	1491.5	1481.3	1471.0	1460.8	1479.9	1499.0	1518.1	1537.2	1554.3
5°	1597.3	1593.9	1585.0	1576.8	1567.9	1559.1	1563.8	1569.3	1574.1	1578.9	1589.1
7.5°	1348.2	1344.1	1363.2	1381.7	1400.8	1419.2	1424.0	1428.1	1432.8	1436.9	1434.2
10°	1222.0	1256.8	1265.7	1273.9	1282.7	1290.9	1304.6	1318.2	1331.2	1344.8	1352.3
12.5°	1119.7	1138.8	1170.2	1202.2	1233.6	1265.0	1285.5	1305.9	1326.4	1346.9	1389.2
15°	994.1	1009.8	1033.7	1057.6	1081.5	1105.3	1134.7	1164.7	1194.0	1223.4	1269.8
17.5°	798.3	805.1	822.9	840.6	857.7	875.4	915.0	953.9	993.4	1032.3	1085.5
20°	670.0	662.5	662.5	663.2	663.2	663.2	702.8	741.7	781.2	820.1	890.4
22.5°	628.4	626.4	618.8	610.7	603.2	595.0	615.4	636.6	657.1	677.5	734.8
25°	614.1	606.6	597.0	587.5	577.9	568.4	581.3	594.3	607.3	620.2	665.2
27.5°	620.9	614.8	619.5	623.6	628.4	632.5	636.6	640.7	644.8	648.9	664.6
30°	672.1	670.0	677.5	684.4	691.9	698.7	689.1	680.3	670.7	661.2	666.6
32.5°	563.6	557.4	554.7	552.0	549.3	546.5	545.8	545.2	543.8	543.1	555.4
35°	508.3	502.9	498.8	494.7	489.9	485.8	487.8	489.2	491.3	492.6	506.3
37.5°	506.3	500.8	496.0	491.3	485.8	481.0	483.1	485.8	487.8	489.9	500.1
40°	502.9	496.0	493.3	490.6	487.8	485.1	486.5	487.8	488.5	489.9	497.4
42.5°	500.8	495.4	494.0	492.6	491.3	489.9	491.3	492.6	493.3	494.7	503.5
45°	496.0	493.3	494.7	496.0	497.4	498.8	498.8	498.8	498.8	498.8	508.3
47.5°	485.1	483.8	487.8	491.9	496.0	500.1	507.0	513.8	519.9	526.7	528.8
50°	471.5	471.5	478.3	485.1	491.3	498.1	514.5	530.2	546.5	562.2	552.0
52.5°	454.4	455.1	465.3	474.9	485.1	494.7	509.7	524.7	539.0	554.0	539.0
55°	429.9	431.9	444.9	457.1	470.1	482.4	494.0	505.6	517.2	528.8	513.1
57.5°	408.0	410.7	424.4	437.4	451.0	464.0	470.8	478.3	485.1	491.9	481.7
60°	387.5	391.6	409.4	427.1	444.2	461.9	456.5	451.0	444.9	439.4	438.7
62.5°	366.4	371.2	387.5	403.9	419.6	436.0	427.8	419.6	410.7	402.6	406.0
65°	339.8	344.6	352.1	359.6	366.4	373.9	373.2	373.2	372.5	371.9	378.7
67.5°	309.8	313.2	318.0	322.0	326.8	330.9	333.6	337.1	339.8	342.5	350.7
70°	277.7	281.1	285.9	290.0	294.8	298.8	302.3	305.7	308.4	311.8	320.0
72.5°	244.9	248.4	253.1	257.9	262.0	266.8	269.5	272.2	274.3	277.0	283.8
75°	210.1	214.2	219.0	223.1	227.9	232.0	234.0	236.1	238.1	240.2	246.3
77.5°	174.7	179.4	184.2	189.0	193.8	198.6	199.2	199.9	200.6	201.3	206.7
80°	137.1	143.3	148.1	152.8	157.6	162.4	162.4	162.4	162.4	162.4	165.1
82.5°	97.6	103.0	108.5	113.3	118.7	123.5	123.5	122.8	122.8	122.1	122.1
85°	55.9	60.7	64.1	68.2	71.6	75.1	75.1	75.1	74.4	74.4	73.0
87.5°	8.9	11.6	13.0	15.0	16.4	17.7	17.1	17.1	16.4	15.7	13.6
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: P597082
 CATALOG NUMBER: MSA-SA3D-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: P597082
 CATALOG NUMBER: MSA-SA3D-835-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6
2.5°	1571.3	1588.4	1605.5	1602.7	1600.0	1597.3	1594.5	1604.8	1614.3	1624.6	1634.1
5°	1598.6	1608.9	1618.4	1625.9	1633.4	1640.9	1648.4	1683.2	1717.4	1752.2	1786.3
7.5°	1431.5	1428.1	1425.3	1457.4	1490.2	1522.2	1554.3	1598.6	1643.0	1687.3	1731.7
10°	1359.8	1367.3	1374.8	1387.8	1401.5	1414.4	1427.4	1471.0	1514.7	1558.4	1602.1
12.5°	1430.8	1473.1	1514.7	1524.9	1535.9	1546.1	1556.3	1565.2	1574.1	1582.3	1591.1
15°	1316.2	1362.6	1409.0	1435.6	1462.2	1488.1	1514.7	1581.6	1647.8	1714.6	1780.8
17.5°	1138.1	1191.3	1243.8	1309.3	1374.8	1440.3	1505.8	1567.3	1628.7	1689.4	1750.8
20°	960.7	1030.3	1100.6	1172.2	1243.2	1314.8	1385.8	1445.8	1505.8	1565.2	1625.2
22.5°	791.5	848.8	905.4	992.8	1079.4	1166.7	1253.4	1365.3	1476.5	1588.4	1699.6
25°	709.6	754.6	799.0	889.0	979.1	1068.5	1158.6	1303.9	1448.5	1593.9	1738.5
27.5°	680.9	696.6	712.3	794.2	875.4	957.3	1038.5	1195.4	1352.3	1508.6	1665.5
30°	672.1	677.5	683.0	747.1	811.3	875.4	939.5	1094.4	1250.0	1404.9	1559.7
32.5°	567.0	579.3	590.9	653.6	715.7	778.5	840.6	996.8	1152.4	1308.7	1464.2
35°	519.9	533.6	547.2	608.6	670.0	730.7	792.2	956.6	1121.7	1286.1	1450.6
37.5°	510.4	520.6	530.8	600.4	670.0	739.6	809.2	975.7	1142.2	1308.7	1475.1
40°	505.6	513.1	520.6	588.1	656.4	723.9	791.5	966.1	1140.1	1314.8	1488.8
42.5°	511.7	520.6	528.8	590.2	650.9	712.3	773.1	953.9	1134.0	1314.8	1494.9
45°	517.2	526.7	535.6	592.9	650.2	707.5	764.9	958.0	1150.4	1343.5	1535.9
47.5°	530.2	532.2	533.6	583.4	632.5	682.3	731.4	927.9	1124.4	1320.3	1516.8
50°	541.1	530.8	519.9	571.8	622.9	674.8	726.0	912.2	1098.5	1284.1	1470.4
52.5°	524.0	508.3	493.3	549.3	605.2	660.5	716.4	902.7	1089.6	1275.9	1462.2
55°	498.1	482.4	466.7	523.3	580.0	636.6	693.2	878.8	1065.1	1250.7	1436.3
57.5°	472.2	461.9	451.7	498.1	545.2	591.6	638.0	839.2	1039.8	1241.1	1441.7
60°	438.0	436.7	436.0	472.2	509.0	545.2	581.3	778.5	975.0	1172.2	1368.7
62.5°	408.7	412.1	414.8	444.2	473.5	502.2	531.5	721.9	912.9	1103.3	1293.6
65°	386.2	393.0	399.8	433.3	466.7	499.4	532.9	692.5	852.2	1011.9	1171.5
67.5°	358.9	367.1	375.3	418.9	462.6	506.3	549.9	681.6	813.3	945.0	1076.7
70°	327.5	335.7	343.2	399.1	454.4	510.4	565.6	682.3	799.7	916.3	1033.0
72.5°	290.7	297.5	304.3	364.4	424.4	484.4	544.5	643.4	742.3	840.6	939.5
75°	253.1	259.3	265.4	317.3	369.1	421.0	472.8	549.3	625.0	701.4	777.1
77.5°	211.5	217.0	221.7	256.5	291.3	326.1	360.9	419.6	477.6	536.3	594.3
80°	167.8	170.6	173.3	193.8	213.6	234.0	253.8	292.7	331.6	369.8	408.7
82.5°	122.8	122.8	122.8	135.8	149.4	162.4	175.4	195.1	214.2	234.0	253.1
85°	71.6	69.6	68.2	77.1	86.0	94.8	103.7	111.9	120.1	128.3	136.5
87.5°	11.6	8.9	6.8	12.3	17.7	23.2	28.7	31.4	34.8	37.5	40.3
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: P597082
 CATALOG NUMBER: MSA-SA3D-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: P597082

CATALOG NUMBER: MSA-SA3D-835-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6
2.5°	1610.9	1588.4	1565.2	1542.0	1576.1	1610.2	1644.4	1678.5	1769.2	1823.1	1826.5
5°	1814.9	1843.6	1872.2	1900.9	1929.6	1958.2	1986.2	2014.8	2162.2	2253.0	2270.0
7.5°	1778.8	1826.5	1873.6	1920.7	2001.9	2083.1	2164.3	2245.5	2370.3	2460.4	2519.7
10°	1660.7	1719.4	1778.1	1836.8	1933.0	2029.9	2126.1	2222.3	2354.6	2473.4	2530.0
12.5°	1684.6	1778.1	1870.9	1964.4	2047.6	2131.5	2214.8	2298.0	2389.4	2434.5	2537.5
15°	1845.6	1910.5	1975.3	2040.1	2165.6	2290.5	2416.0	2540.9	2592.8	2695.8	2788.6
17.5°	1870.2	1988.9	2108.3	2227.0	2380.6	2534.1	2687.6	2841.1	2937.3	3070.4	3182.3
20°	1793.8	1961.6	2130.2	2298.0	2495.9	2694.4	2892.3	3090.2	3212.3	3324.2	3497.5
22.5°	1885.2	2070.8	2255.7	2441.3	2704.0	2966.0	3228.7	3490.7	3745.9	3995.6	4112.9
25°	1986.2	2234.5	2482.2	2729.9	3058.1	3385.6	3713.8	4041.3	4369.5	4603.5	4738.6
27.5°	1915.2	2164.3	2414.0	2663.0	3069.0	3475.7	3881.6	4287.6	4639.0	4920.8	5036.8
30°	1865.4	2171.1	2476.8	2782.4	3258.7	3734.9	4211.2	4687.4	5012.2	5326.7	5497.3
32.5°	1856.5	2248.9	2640.5	3032.8	3587.6	4141.6	4696.3	5250.3	5465.9	5745.0	5974.9
35°	1881.1	2312.3	2742.9	3173.4	3809.3	4445.2	5080.4	5716.3	6022.7	6299.0	6500.3
37.5°	1956.2	2437.2	2917.5	3398.6	4164.8	4931.7	5697.9	6464.2	6977.9	7483.5	7573.6
40°	1998.5	2508.8	3018.5	3528.2	4419.3	5310.4	6201.5	7092.6	7683.4	8238.1	8275.7
42.5°	2048.3	2601.6	3154.3	3707.6	4695.6	5684.3	6672.3	7660.2	8391.7	8988.0	9005.7
45°	2105.6	2674.6	3244.4	3813.4	4845.0	5876.0	6907.6	7938.6	8822.9	9547.5	9370.8
47.5°	2128.1	2740.1	3351.5	3962.8	5062.7	6161.9	7261.8	8361.0	9154.5	9813.6	9644.4
50°	2137.0	2804.3	3470.9	4137.5	5276.9	6417.1	7556.5	8696.0	9503.1	10145.9	9886.6
52.5°	2192.2	2922.3	3652.4	4382.4	5569.6	6756.9	7944.1	9131.3	9925.5	10543.0	10220.9
55°	2266.6	3097.0	3926.7	4757.0	5985.9	7214.0	8442.8	9671.0	10467.9	11042.4	10643.3
57.5°	2335.5	3230.0	4123.8	5017.7	6290.8	7564.7	8837.9	10111.1	10918.2	11486.6	11099.7
60°	2302.1	3235.5	4168.9	5102.3	6353.6	7604.3	8855.6	10106.3	11022.6	11704.2	11506.4
62.5°	2201.1	3108.6	4015.4	4922.8	6110.7	7297.9	8485.8	9673.0	10745.6	11619.6	11610.8
65°	2006.7	2841.8	3676.3	4511.4	5610.6	6710.5	7809.7	8908.8	10173.2	11234.8	11303.7
67.5°	1769.9	2463.1	3156.3	3849.6	4884.6	5919.7	6954.7	7989.8	9341.4	10512.9	10572.3
70°	1540.6	2049.0	2556.6	3064.2	3973.1	4881.9	5790.0	6698.9	8064.2	9249.3	9303.9
72.5°	1271.8	1604.1	1935.7	2268.0	3004.2	3740.4	4475.9	5212.1	6410.9	7322.5	7630.2
75°	974.3	1171.5	1368.7	1565.9	2161.5	2757.2	3352.2	3947.8	4744.7	5417.5	5764.1
77.5°	696.6	799.0	901.3	1003.7	1509.9	2016.2	2521.8	3028.1	3447.0	3828.4	4062.4
80°	457.1	504.9	553.3	601.1	1022.1	1443.1	1863.4	2284.4	2539.5	2744.2	2862.3
82.5°	277.0	300.9	324.1	348.0	689.1	1030.3	1370.7	1711.9	1857.9	1955.5	2060.6
85°	149.4	162.4	175.4	188.3	407.3	625.7	844.7	1063.0	1077.4	1089.0	1245.2
87.5°	43.7	47.8	51.2	54.6	90.1	126.2	161.7	197.2	122.8	76.4	156.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597082
 CATALOG NUMBER: MSA-SA3D-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: P597082

CATALOG NUMBER: MSA-SA3D-835-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6
2.5°	1806.7	1797.9	1789.0	1779.4	1770.6	1733.1	1696.2	1658.7	1621.2	1657.3	1692.8
5°	2250.2	2277.5	2304.1	2331.4	2358.7	2360.8	2362.1	2364.2	2365.5	2372.4	2379.2
7.5°	2569.6	2618.0	2665.8	2714.2	2762.6	2800.2	2837.7	2875.9	2913.4	2879.3	2845.2
10°	2596.8	2699.2	2801.5	2903.9	3006.2	3024.7	3042.4	3060.8	3079.2	3103.8	3127.7
12.5°	2624.1	2749.0	2873.2	2998.0	3122.9	3177.5	3231.4	3286.0	3339.9	3366.5	3392.4
15°	2912.8	2986.4	3059.5	3133.1	3206.1	3243.7	3280.5	3318.0	3355.6	3378.1	3399.9
17.5°	3283.9	3311.2	3337.8	3365.1	3392.4	3417.7	3442.9	3468.2	3493.4	3497.5	3501.6
20°	3622.4	3627.8	3632.6	3638.0	3642.8	3589.6	3537.1	3483.8	3430.6	3440.2	3449.0
22.5°	4130.0	4100.0	4070.6	4040.6	4011.3	3911.0	3811.4	3711.1	3611.4	3568.5	3526.1
25°	4894.2	4817.8	4741.3	4664.9	4588.5	4428.8	4269.9	4110.2	3951.2	3857.7	3765.0
27.5°	5140.5	4974.0	4808.2	4641.7	4475.2	4354.5	4234.4	4113.6	3993.5	3845.5	3697.4
30°	5638.6	5375.9	5113.9	4851.2	4588.5	4471.8	4355.1	4237.8	4121.1	3969.6	3818.9
32.5°	6080.0	5807.1	5534.2	5260.6	4987.6	4766.6	4545.5	4324.4	4103.4	4001.0	3898.7
35°	6591.1	6247.9	5904.7	5561.5	5218.3	5028.6	4839.6	4649.9	4460.9	4306.0	4151.8
37.5°	7335.5	6970.4	6605.4	6239.7	5874.6	5618.1	5362.2	5105.7	4849.8	4764.5	4679.9
40°	8045.0	7613.8	7183.3	6752.1	6321.5	6125.0	5928.5	5731.4	5534.9	5390.9	5246.9
42.5°	8639.3	8212.9	7787.1	7360.7	6934.9	6791.7	6649.1	6505.8	6363.2	6244.4	6125.7
45°	8843.3	8495.4	8148.1	7800.1	7452.1	7401.6	7351.8	7301.3	7251.5	7163.5	7075.5
47.5°	9171.5	8816.7	8462.6	8107.8	7753.0	7771.4	7789.9	7809.0	7827.4	7832.2	7836.3
50°	9364.6	9027.6	8691.2	8354.1	8017.8	8107.1	8195.8	8285.2	8374.6	8577.2	8779.2
52.5°	9646.4	9315.5	8985.3	8654.3	8323.4	8474.9	8625.7	8777.2	8928.0	9211.8	9495.6
55°	9999.9	9683.3	9367.4	9050.8	8734.9	8882.2	9028.9	9176.3	9323.0	9638.9	9954.8
57.5°	10468.6	10129.5	9791.1	9452.0	9113.5	9249.3	9384.4	9520.2	9655.3	9955.5	10255.7
60°	11002.2	10633.7	10265.3	9896.1	9527.7	9565.2	9602.1	9639.6	9676.4	10001.9	10326.7
62.5°	11264.2	10923.0	10582.5	10241.4	9900.2	9795.8	9691.4	9586.4	9482.0	9773.3	10064.0
65°	11037.0	10802.2	10568.2	10333.5	10098.8	9914.6	9731.0	9546.8	9362.6	9544.8	9726.2
67.5°	10313.7	10180.7	10048.3	9915.2	9782.2	9473.1	9164.0	8854.3	8545.2	8557.5	8569.1
70°	9141.5	9106.0	9071.2	9035.8	9000.3	8535.6	8071.7	7607.0	7142.4	7071.4	7000.4
72.5°	7656.1	7679.3	7701.9	7725.0	7748.2	7248.8	6749.4	6249.9	5750.5	5632.4	5514.4
75°	5929.9	6058.2	6186.5	6315.4	6443.7	5966.1	5488.5	5010.2	4532.5	4387.2	4241.9
77.5°	4190.0	4429.5	4668.3	4907.8	5147.3	4715.4	4284.2	3852.3	3420.4	3326.2	3232.1
80°	2921.6	3039.0	3156.3	3273.7	3391.1	3174.1	2957.1	2740.1	2523.2	2549.1	2574.3
82.5°	2128.1	2155.4	2182.0	2209.3	2236.6	2147.9	2059.2	1969.8	1881.1	1948.7	2016.2
85°	1363.2	1460.8	1557.7	1655.3	1752.2	1653.9	1555.7	1456.7	1358.5	1403.5	1448.5
87.5°	305.0	482.4	659.8	837.9	1015.3	919.7	824.9	729.4	633.9	590.9	548.6
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: P597082
 CATALOG NUMBER: MSA-SA3D-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: P597082

CATALOG NUMBER: MSA-SA3D-835-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6
2.5°	1729.0	1765.1	1754.2	1744.0	1733.1	1722.1	1741.9	1761.7	1782.2	1802.0	1795.1
5°	2386.7	2393.5	2328.7	2264.6	2199.7	2134.9	2175.2	2215.4	2255.7	2296.0	2281.6
7.5°	2811.1	2777.0	2739.5	2701.9	2663.7	2626.2	2618.0	2609.8	2600.9	2592.8	2581.8
10°	3152.2	3176.1	3151.6	3127.7	3103.1	3078.6	3021.2	2963.9	2905.9	2848.6	2824.7
12.5°	3419.0	3445.6	3451.8	3457.2	3463.4	3469.5	3405.4	3341.9	3277.8	3213.7	3155.7
15°	3422.4	3445.0	3464.7	3483.8	3503.6	3522.7	3483.2	3444.3	3404.7	3365.1	3346.7
17.5°	3506.4	3510.5	3494.1	3478.4	3462.0	3446.3	3430.6	3415.6	3399.9	3384.9	3355.6
20°	3458.6	3468.2	3466.1	3464.1	3461.3	3459.3	3460.6	3461.3	3462.7	3463.4	3447.0
22.5°	3483.2	3440.2	3449.0	3457.2	3466.1	3474.3	3498.9	3523.4	3548.7	3573.2	3638.7
25°	3671.5	3578.0	3563.7	3550.0	3535.7	3522.1	3586.2	3649.6	3713.8	3777.9	3884.4
27.5°	3548.7	3400.6	3367.9	3335.1	3302.4	3269.6	3367.2	3464.1	3561.6	3659.2	3767.7
30°	3667.4	3516.6	3444.3	3371.9	3298.9	3226.6	3320.1	3412.9	3506.4	3599.2	3719.2
32.5°	3796.3	3694.0	3645.6	3597.8	3549.3	3501.6	3509.1	3516.6	3524.1	3531.6	3700.8
35°	3996.9	3842.1	3794.3	3746.5	3698.8	3651.0	3730.8	3810.0	3889.8	3969.0	4112.2
37.5°	4594.6	4509.3	4423.4	4337.4	4250.8	4164.8	4211.9	4258.9	4306.0	4353.1	4488.2
40°	5103.0	4959.0	4944.7	4931.0	4916.7	4902.4	4906.4	4909.9	4914.0	4918.0	5033.4
42.5°	6006.3	5887.6	5814.6	5741.6	5668.6	5595.6	5590.8	5586.0	5580.6	5575.8	5662.4
45°	6986.8	6898.8	6844.2	6789.6	6734.3	6679.8	6593.1	6506.5	6419.1	6332.5	6408.2
47.5°	7841.0	7845.8	7944.8	8043.0	8141.9	8240.9	8092.8	7944.8	7796.7	7648.6	7551.1
50°	8981.9	9183.8	9207.7	9230.9	9254.8	9278.7	9027.6	8777.2	8526.1	8275.0	8172.6
52.5°	9780.1	10064.0	10027.1	9991.0	9954.1	9917.3	9772.0	9627.3	9482.0	9336.7	9113.5
55°	10271.4	10587.3	10559.3	10532.0	10504.1	10476.1	10370.3	10264.6	10158.8	10053.1	9808.1
57.5°	10555.9	10856.1	10864.3	10872.5	10880.7	10888.9	10860.9	10832.9	10805.0	10777.0	10458.4
60°	10652.1	10977.6	10981.0	10983.7	10987.1	10989.9	10945.5	10901.2	10856.1	10811.8	10603.7
62.5°	10355.3	10646.0	10659.0	10671.2	10684.2	10697.2	10666.5	10635.8	10605.1	10574.4	10420.2
65°	9908.4	10090.6	10094.0	10096.7	10100.1	10103.6	10025.8	9948.7	9870.9	9793.1	9756.3
67.5°	8581.3	8593.6	8665.9	8738.3	8810.6	8882.9	8889.1	8895.2	8902.0	8908.2	8854.9
70°	6929.5	6858.5	6937.0	7015.5	7093.9	7172.4	7205.8	7239.2	7273.4	7306.8	7331.4
72.5°	5395.7	5277.6	5335.6	5393.6	5452.3	5510.3	5460.5	5410.7	5360.9	5311.1	5468.7
75°	4096.6	3951.2	3943.7	3936.9	3929.4	3922.6	3897.3	3872.1	3846.1	3820.9	3968.3
77.5°	3137.2	3043.1	3047.9	3051.9	3056.7	3060.8	3034.9	3009.6	2983.7	2957.8	3014.4
80°	2600.3	2625.5	2626.2	2626.9	2627.6	2628.2	2603.7	2579.8	2555.2	2530.7	2489.7
82.5°	2084.4	2152.0	2151.3	2151.3	2150.6	2149.9	2148.6	2147.2	2145.2	2143.8	2076.9
85°	1493.6	1538.6	1492.2	1445.8	1399.4	1353.0	1387.1	1421.2	1456.0	1490.2	1462.2
87.5°	505.6	463.3	408.0	353.4	298.2	242.9	302.3	361.6	421.7	481.0	515.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597082
 CATALOG NUMBER: MSA-SA3D-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: P597082

CATALOG NUMBER: MSA-SA3D-835-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6
2.5°	1789.0	1782.2	1776.0	1733.1	1689.4	1646.4	1602.7	1681.9	1761.7	1840.9	1920.0
5°	2268.0	2253.7	2240.0	2236.6	2233.2	2229.1	2225.7	2265.9	2306.2	2345.8	2386.0
7.5°	2570.9	2560.0	2549.1	2520.4	2492.5	2463.8	2435.1	2459.7	2483.6	2508.2	2532.0
10°	2801.5	2777.7	2753.8	2691.7	2630.3	2568.2	2506.1	2487.7	2469.3	2450.8	2432.4
12.5°	3097.7	3039.0	2981.0	2910.7	2839.8	2769.5	2698.5	2689.0	2679.4	2670.5	2661.0
15°	3329.0	3310.5	3292.1	3236.2	3180.2	3124.3	3068.3	2993.3	2917.5	2842.5	2767.4
17.5°	3326.9	3297.6	3268.9	3344.0	3418.3	3493.4	3567.8	3487.9	3407.4	3327.6	3247.8
20°	3430.6	3413.6	3397.2	3535.7	3673.5	3812.0	3949.9	3906.2	3861.8	3818.2	3773.8
22.5°	3703.5	3769.0	3833.9	3952.6	4070.6	4189.3	4307.4	4357.2	4407.0	4456.8	4506.6
25°	3990.1	4096.6	4203.0	4379.7	4555.7	4732.5	4909.2	4944.7	4980.1	5015.6	5051.1
27.5°	3875.5	3984.0	4092.5	4226.2	4359.2	4493.0	4626.0	4781.6	4937.8	5093.4	5249.0
30°	3838.6	3958.7	4078.1	4261.7	4444.5	4628.1	4811.6	5025.9	5240.1	5453.7	5667.9
32.5°	3869.3	4038.6	4207.8	4456.1	4703.8	4952.2	5200.5	5425.7	5651.5	5876.7	6101.8
35°	4254.8	4398.1	4540.7	4818.4	5096.1	5373.8	5651.5	5915.6	6179.6	6443.0	6707.1
37.5°	4622.6	4757.7	4892.8	5176.6	5459.8	5743.6	6027.5	6444.4	6861.9	7278.8	7695.7
40°	5148.0	5263.3	5377.9	5620.8	5863.7	6106.6	6349.5	6852.4	7355.2	7858.1	8361.0
42.5°	5748.4	5835.1	5921.0	6172.8	6424.6	6676.3	6928.1	7475.3	8023.2	8570.4	9117.6
45°	6483.3	6559.0	6634.7	6808.0	6981.3	7155.3	7328.6	7892.9	8457.2	9021.4	9585.7
47.5°	7453.5	7355.9	7258.4	7343.6	7428.9	7514.2	7599.5	8157.6	8715.8	9273.2	9831.3
50°	8070.3	7967.9	7865.6	7873.1	7879.9	7887.4	7894.9	8415.5	8936.1	9456.1	9976.7
52.5°	8890.4	8666.6	8443.5	8441.5	8439.4	8436.7	8434.6	8888.4	9342.8	9796.5	10250.3
55°	9563.2	9318.2	9073.3	9025.5	8977.8	8929.3	8881.6	9330.5	9778.8	10227.7	10676.0
57.5°	10139.7	9820.4	9501.8	9426.7	9351.7	9276.6	9201.6	9685.3	10169.7	10653.5	11137.3
60°	10396.3	10188.2	9980.7	9888.6	9796.5	9704.4	9612.3	10024.4	10436.5	10848.0	11260.1
62.5°	10266.6	10112.4	9958.9	9980.1	10001.2	10022.4	10043.5	10278.9	10515.0	10750.4	10985.8
65°	9720.1	9683.3	9647.1	9817.7	9988.3	10158.8	10329.4	10332.8	10336.2	10339.6	10343.0
67.5°	8801.7	8748.5	8695.3	9050.1	9404.2	9759.0	10113.8	9945.3	9776.7	9608.9	9440.4
70°	7355.2	7379.8	7403.7	7886.8	8369.1	8852.2	9335.3	9091.0	8846.1	8601.8	8356.9
72.5°	5626.3	5784.6	5942.2	6443.0	6943.8	7444.6	7945.4	7666.4	7386.6	7107.6	6827.8
75°	4115.7	4263.0	4410.4	4905.1	5399.8	5895.1	6389.8	6058.2	5726.6	5395.7	5064.1
77.5°	3071.1	3128.4	3185.0	3596.4	4007.2	4418.6	4829.3	4496.4	4163.4	3831.1	3498.2
80°	2449.5	2408.5	2368.3	2596.2	2824.1	3051.9	3279.8	3043.8	2807.0	2570.9	2334.8
82.5°	2010.8	1943.9	1877.7	1962.3	2046.9	2132.2	2216.8	2027.8	1838.8	1649.8	1460.8
85°	1434.2	1406.2	1378.3	1402.8	1426.7	1451.3	1475.8	1291.6	1107.4	923.8	739.6
87.5°	548.6	582.7	616.8	655.7	693.9	732.8	771.0	603.8	436.7	270.2	103.0
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: P597082
 CATALOG NUMBER: MSA-SA3D-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: P597082
 CATALOG NUMBER: MSA-SA3D-835-U-SLR

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1482.6	1482.6
2.5°	1952.8	1985.5
5°	2385.3	2384.7
7.5°	2521.1	2509.5
10°	2402.4	2372.4
12.5°	2572.3	2482.9
15°	2678.7	2589.3
17.5°	3113.4	2978.3
20°	3613.5	3452.5
22.5°	4261.7	4016.7
25°	4758.4	4465.0
27.5°	5075.0	4900.3
30°	5468.0	5268.1
32.5°	5954.5	5806.4
35°	6572.0	6436.2
37.5°	7653.4	7610.4
40°	8309.8	8257.9
42.5°	9119.7	9121.0
45°	9616.4	9647.1
47.5°	9909.1	9986.2
50°	10142.5	10307.6
52.5°	10476.1	10701.9
55°	10976.2	11275.8
57.5°	11392.4	11647.6
60°	11392.4	11524.1
62.5°	10982.4	10978.3
65°	10279.6	10215.5
67.5°	9359.8	9279.3
70°	8231.3	8105.1
72.5°	6671.6	6514.6
75°	4849.1	4633.5
77.5°	3395.8	3292.8
80°	2384.7	2434.5
82.5°	1531.8	1602.7
85°	728.7	717.8
87.5°	86.0	68.9
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: P597082
CATALOG NUMBER: MSA-SA3D-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)