

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: P597126

Luminaire Tested: **MSA-SA4B-835-U-SLR**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P597126
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-SA4B-835-U-SLR
Description: MESA POST TOP DECORATIVE LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13721 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

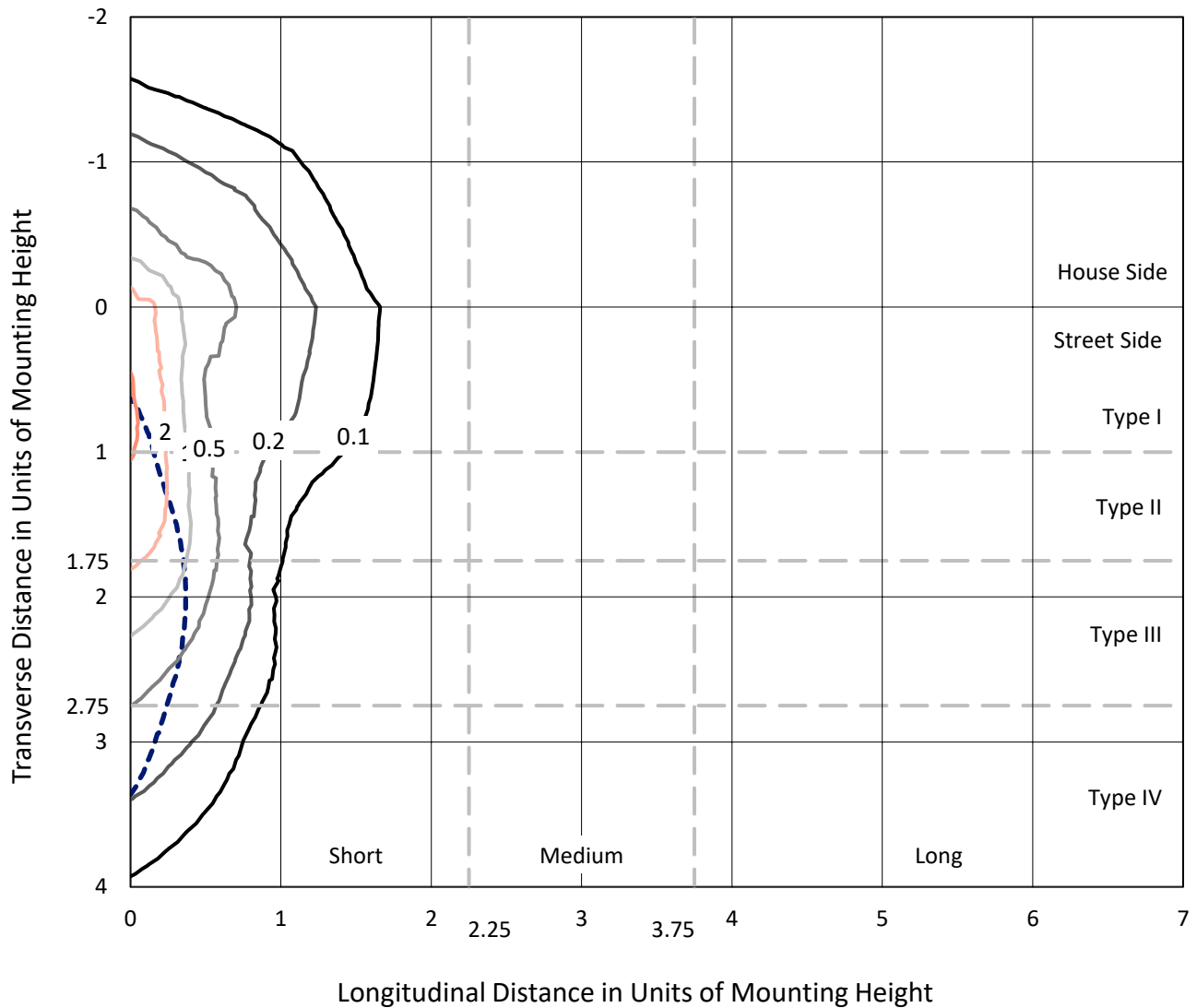
Input Watts (W): 171
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

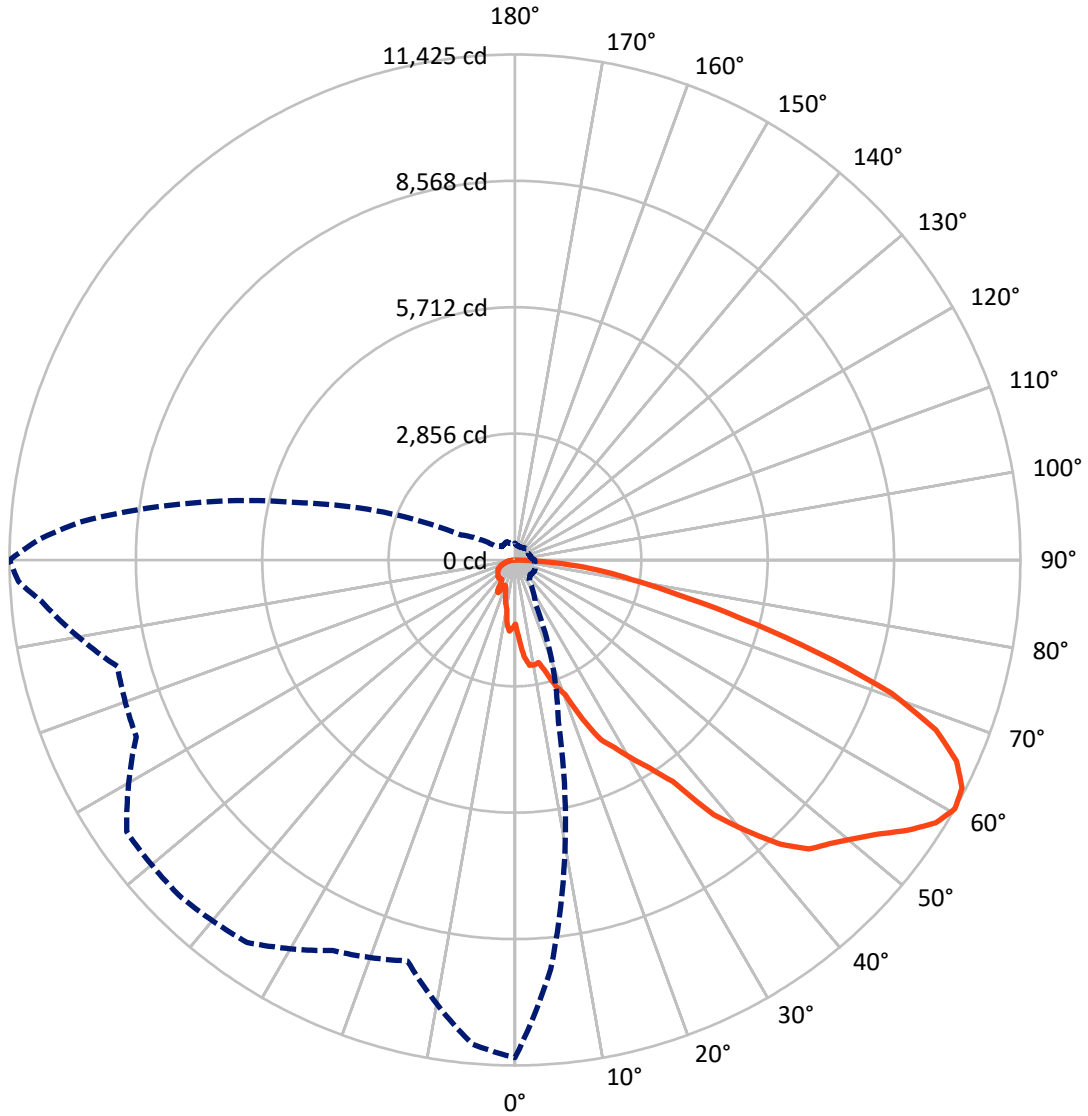
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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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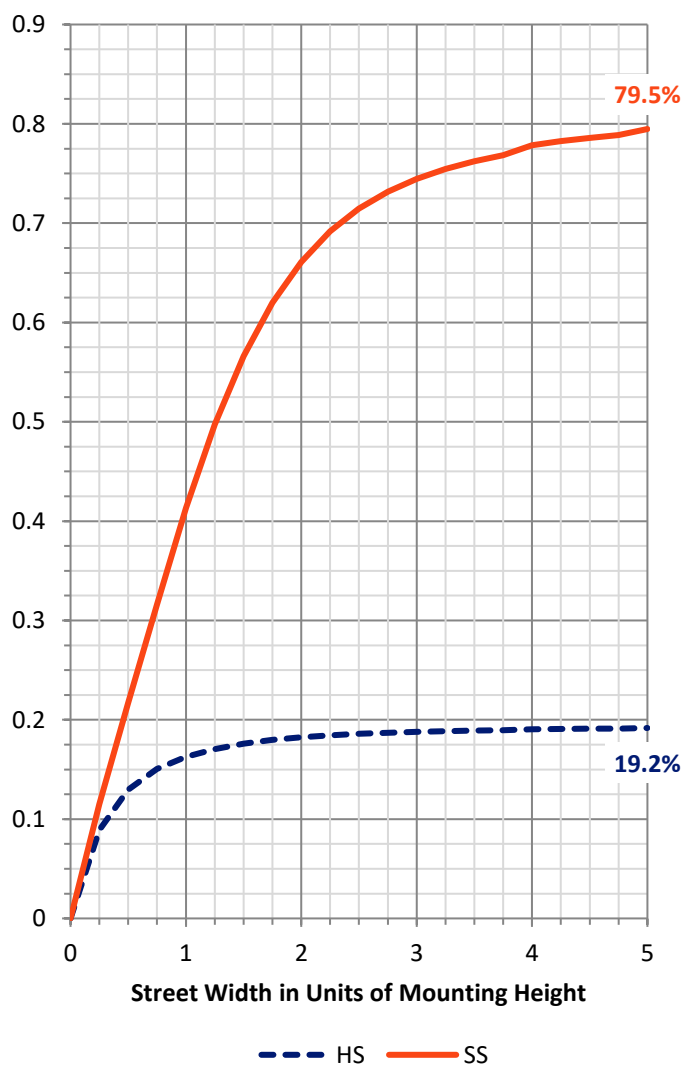
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2657.5	0.0	2657.5
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	11063.5	0.0	11063.5
	% Fixture	80.6	0.0	80.6
Total	Lumens	13721.0	0.0	13721.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.9	1.2
10°-20°	482.1	3.5
20°-30°	851.1	6.2
30°-40°	1325.5	9.7
40°-50°	2182.3	15.9
50°-60°	3114.9	22.7
60°-70°	3302.9	24.1
70°-80°	1824.3	13.3
80°-90°	472.0	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°	13721.0	100.0
0°-180°	13721.0	100.0

Coefficient of Utilization



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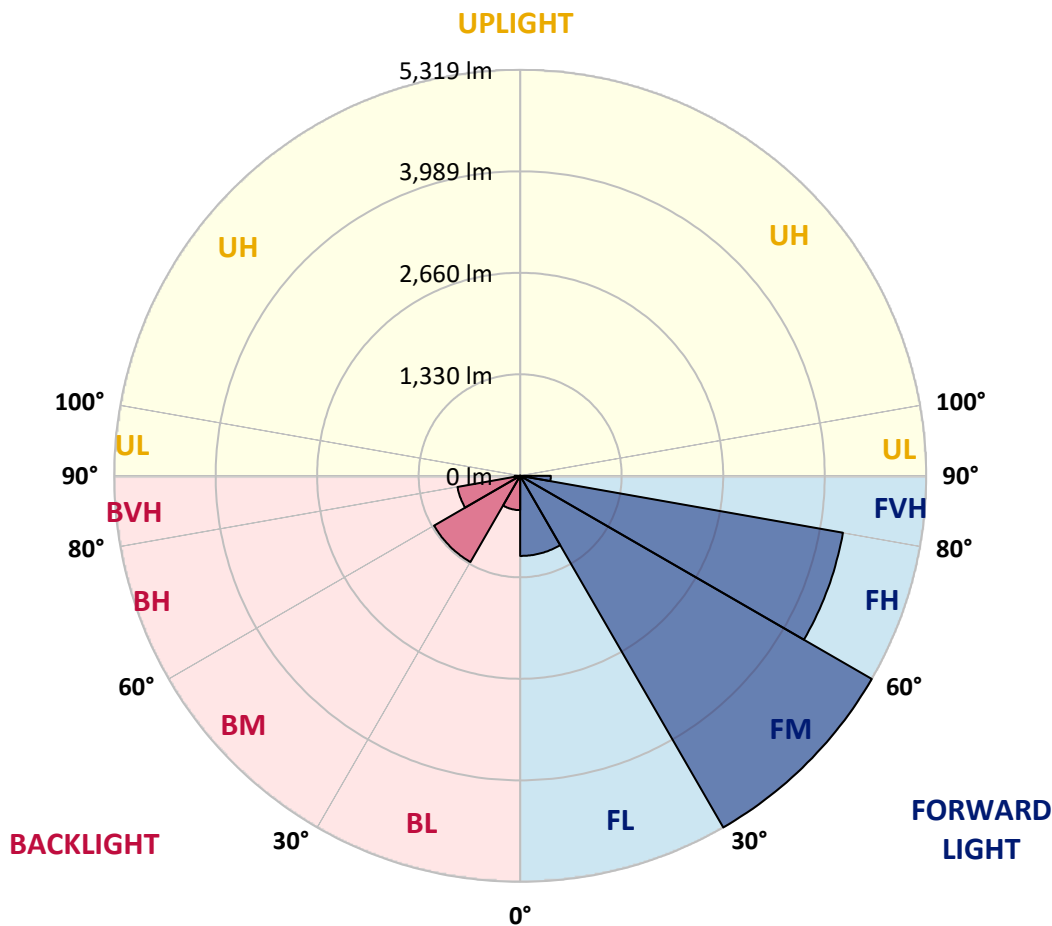
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1049.9	7.7			
FM (30°-60°)	5319.1	38.8			
FH (60°-80°)	4293.3	31.3			G2/5000
FVH (80°-90°)	401.2	2.9			G3/500
BL (0°-30°)	449.2	3.3	B1/500		
BM (30°-60°)	1303.6	9.5	B2/2500		
BH (60°-80°)	833.8	6.1	B2/1000		G2/1000
BVH (80°-90°)	70.8	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°	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2
2.5°	1938.0	1950.0	1961.4	1938.7	1916.1	1892.8	1870.1	1836.1	1801.5	1767.6	1732.9
5°	2327.7	2283.7	2239.1	2221.1	2203.8	2185.8	2167.8	2151.2	2134.5	2117.2	2100.5
7.5°	2449.5	2386.9	2323.7	2297.0	2270.4	2243.1	2216.4	2156.5	2096.6	2035.9	1976.0
10°	2315.7	2250.4	2184.5	2158.5	2131.9	2105.9	2079.2	2006.0	1933.4	1860.1	1786.9
12.5°	2423.6	2357.0	2289.7	2207.1	2124.5	2041.3	1958.7	1918.1	1877.4	1836.1	1795.5
15°	2527.5	2437.5	2347.0	2264.4	2181.8	2098.6	2016.0	1934.7	1853.5	1772.2	1691.0
17.5°	2907.1	2757.2	2607.4	2458.2	2308.3	2159.2	2009.3	1915.4	1820.8	1726.9	1632.4
20°	3369.9	3161.5	2952.4	2725.9	2498.8	2272.4	2045.3	1926.7	1808.8	1690.3	1571.7
22.5°	3920.7	3657.6	3394.6	3108.9	2823.2	2536.8	2251.1	2079.2	1907.4	1734.9	1563.1
25°	4358.3	4105.2	3852.1	3489.8	3127.5	2765.2	2402.9	2207.8	2012.6	1816.8	1621.7
27.5°	4783.2	4380.3	3976.7	3561.7	3147.5	2732.6	2317.7	2137.2	1956.7	1776.2	1595.7
30°	5142.1	4822.5	4502.8	3961.3	3419.9	2877.8	2336.3	2114.5	1892.8	1671.0	1449.2
32.5°	5667.6	5211.4	4754.5	4189.8	3625.0	3060.2	2495.5	2211.8	1928.1	1644.3	1360.6
35°	6282.3	5808.1	5334.0	4635.3	3937.4	3238.7	2540.1	2239.7	1938.7	1638.3	1337.3
37.5°	7428.5	6592.7	5756.2	4993.6	4231.1	3467.8	2705.3	2356.3	2007.3	1657.7	1308.7
40°	8060.5	7288.0	6515.4	5565.1	4614.7	3663.6	2713.3	2356.3	1998.7	1641.7	1284.0
42.5°	8903.0	7926.0	6948.3	5920.7	4893.7	3866.1	2838.5	2442.9	2047.3	1651.0	1255.4
45°	9416.5	8327.6	7238.0	6139.8	5041.6	3943.4	2845.1	2443.5	2041.9	1640.3	1238.8
47.5°	9747.5	8701.9	7655.6	6473.5	5291.3	4108.5	2926.4	2500.1	2073.2	1647.0	1220.1
50°	10061.2	9025.6	7989.3	6761.9	5535.1	4307.7	3080.2	2614.7	2149.2	1683.0	1217.4
52.5°	10446.1	9492.4	8538.1	7221.4	5904.0	4587.4	3270.0	2763.2	2256.4	1749.6	1242.7
55°	11006.2	10066.5	9126.1	7712.9	6299.0	4885.7	3471.8	2909.1	2347.0	1784.2	1221.4
57.5°	11369.2	10416.2	9463.1	8021.9	6580.7	5138.8	3697.6	3074.2	2450.9	1826.8	1203.5
60°	11248.7	10265.7	9282.0	7908.0	6534.1	5160.1	3786.2	3112.9	2440.2	1766.9	1093.6
62.5°	10715.9	9670.9	8626.0	7395.2	6165.1	4934.4	3703.6	3019.0	2335.0	1650.3	965.7
65°	9971.3	8891.0	7810.1	6699.9	5589.7	4479.5	3369.3	2747.9	2125.9	1504.5	882.4
67.5°	9057.5	7931.3	6804.5	5821.5	4838.5	3854.8	2871.8	2352.3	1833.5	1314.0	794.5
70°	7911.4	6804.5	5697.6	4847.1	3996.6	3146.2	2295.7	1904.7	1514.5	1123.5	732.6
72.5°	6358.9	5403.9	4448.8	3779.5	3110.2	2440.9	1771.5	1499.8	1228.8	957.0	685.3
75°	4522.8	3961.3	3399.9	2879.1	2358.3	1836.8	1316.0	1140.2	964.4	788.5	612.7
77.5°	3214.1	2883.1	2552.1	2143.8	1735.6	1327.3	919.1	815.8	713.3	610.1	506.8
80°	2376.3	2099.9	1823.5	1515.8	1208.1	900.4	592.7	542.1	492.2	441.6	390.9
82.5°	1564.4	1439.9	1314.7	1070.9	827.2	583.4	339.7	321.0	302.4	283.7	265.1
85°	700.6	739.9	778.5	629.4	479.5	330.3	180.5	171.8	163.2	154.5	145.9
87.5°	67.3	99.2	131.2	112.6	93.2	74.6	55.3	54.6	54.6	53.9	53.3
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



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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°	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2
2.5°	1742.2	1751.6	1760.9	1770.2	1760.2	1750.2	1739.6	1729.6	1716.9	1704.3	1691.0
5°	2072.6	2043.9	2016.0	1987.3	1944.7	1902.1	1858.8	1816.2	1810.8	1804.8	1799.5
7.5°	1923.4	1871.4	1818.8	1766.2	1699.6	1633.7	1567.1	1500.5	1480.5	1460.5	1440.5
10°	1751.6	1715.6	1680.3	1644.3	1603.1	1561.8	1519.8	1478.5	1423.9	1368.6	1314.0
12.5°	1736.9	1678.3	1619.0	1560.4	1535.1	1509.8	1484.5	1459.2	1411.2	1363.3	1314.7
15°	1643.7	1595.7	1548.4	1500.5	1463.9	1427.2	1390.6	1354.0	1315.3	1276.0	1237.4
17.5°	1577.7	1523.1	1468.5	1413.9	1372.0	1330.0	1287.4	1245.4	1198.8	1151.5	1104.9
20°	1509.1	1447.2	1384.6	1322.0	1268.7	1216.1	1162.8	1109.5	1058.3	1007.7	956.4
22.5°	1481.2	1399.3	1317.3	1235.4	1179.5	1122.9	1066.9	1010.3	963.0	915.7	868.5
25°	1523.8	1426.6	1328.7	1230.8	1155.5	1079.6	1004.3	928.4	889.1	849.8	809.9
27.5°	1473.8	1351.3	1229.4	1106.9	1026.3	945.0	864.5	783.2	777.2	771.2	764.6
30°	1320.7	1192.1	1063.6	935.1	861.1	786.5	712.6	638.0	624.0	609.4	595.4
32.5°	1229.4	1098.2	967.0	835.8	769.9	703.3	637.4	570.8	554.8	538.8	522.8
35°	1194.8	1052.3	909.7	767.2	710.6	654.0	597.4	540.8	529.5	518.8	507.5
37.5°	1166.8	1025.6	883.8	741.9	687.3	632.7	577.4	522.8	514.1	505.5	496.8
40°	1140.2	997.0	853.1	709.3	660.7	612.7	564.1	515.5	510.2	504.8	498.8
42.5°	1116.2	977.0	837.2	698.0	654.7	612.0	568.8	525.5	520.1	514.8	509.5
45°	1102.9	967.0	831.2	695.3	664.0	632.7	600.7	569.4	556.8	544.1	530.8
47.5°	1092.9	965.7	838.5	711.3	678.6	646.0	613.4	580.7	569.4	558.1	546.1
50°	1094.9	973.0	850.5	727.9	688.6	648.7	609.4	569.4	568.1	566.8	565.4
52.5°	1112.9	983.7	853.8	723.9	681.3	638.7	595.4	552.8	561.4	569.4	578.1
55°	1086.9	952.4	817.2	682.6	642.0	602.1	561.4	520.8	532.1	542.8	554.1
57.5°	1057.6	911.7	765.9	620.0	589.4	558.8	527.5	496.8	508.8	521.5	533.5
60°	960.4	827.2	694.0	560.8	540.1	519.5	498.8	478.2	483.5	488.8	494.2
62.5°	853.8	741.3	629.4	516.8	500.8	484.2	468.2	451.5	451.5	452.2	452.2
65°	785.9	689.3	592.7	496.2	478.2	460.2	441.6	423.6	420.9	418.2	415.6
67.5°	717.9	642.0	565.4	488.8	462.9	437.6	411.6	385.6	382.3	379.6	376.3
70°	664.7	596.7	528.8	460.9	431.6	402.9	373.6	344.3	341.7	339.7	337.0
72.5°	621.4	558.1	494.2	430.2	399.6	368.3	337.7	306.4	304.4	302.4	299.7
75°	556.1	500.2	443.6	386.9	357.0	327.7	297.7	267.7	265.1	263.1	260.4
77.5°	460.2	412.9	366.3	319.0	295.7	273.1	249.7	226.4	225.1	223.8	221.8
80°	354.3	317.7	280.4	243.8	228.4	212.5	197.1	181.2	180.5	179.8	178.5
82.5°	243.1	221.1	199.1	177.2	165.8	153.8	142.5	130.5	131.2	131.9	132.5
85°	138.5	130.5	123.2	115.2	105.9	97.2	87.9	78.6	80.6	82.6	83.9
87.5°	50.6	48.0	45.3	42.6	38.0	34.0	29.3	24.6	26.0	28.0	29.3
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: P597126
 CATALOG NUMBER: MSA-SA4B-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: P597126
 CATALOG NUMBER: MSA-SA4B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2
2.5°	1678.3	1658.3	1638.3	1618.4	1598.4	1557.1	1516.5	1475.2	1433.9	1459.2	1485.2
5°	1793.5	1759.6	1724.9	1691.0	1656.3	1637.0	1617.7	1598.4	1579.1	1589.1	1599.7
7.5°	1420.6	1400.6	1379.9	1360.0	1339.3	1330.7	1322.7	1314.0	1305.4	1330.0	1354.6
10°	1258.7	1230.8	1202.8	1174.1	1146.2	1129.5	1112.9	1096.2	1079.6	1086.2	1092.9
12.5°	1266.7	1225.4	1184.1	1142.8	1101.6	1076.9	1052.3	1027.6	1003.0	1009.0	1015.0
15°	1198.1	1155.5	1112.9	1070.3	1027.6	999.0	969.7	941.1	911.7	901.8	891.1
17.5°	1057.6	1011.0	964.4	917.7	871.1	851.8	832.5	813.2	793.9	783.2	772.6
20°	905.1	861.8	818.5	775.2	731.9	718.6	705.3	691.3	678.0	671.3	664.0
22.5°	821.2	794.5	767.2	740.6	713.3	698.0	683.3	668.0	652.7	645.3	637.4
25°	770.6	775.9	781.9	787.2	792.5	785.9	778.5	771.9	764.6	767.2	769.2
27.5°	758.6	769.9	781.9	793.2	804.5	810.5	816.5	822.5	828.5	830.5	832.5
30°	580.7	586.7	592.1	598.1	603.4	620.0	636.7	652.7	669.3	695.3	721.9
32.5°	506.8	504.8	502.8	500.2	498.2	502.2	506.2	509.5	513.5	522.8	532.8
35°	496.2	491.5	486.2	481.5	476.2	478.2	480.2	482.2	484.2	491.5	498.8
37.5°	488.2	486.2	484.8	482.8	480.8	485.5	489.5	494.2	498.2	504.2	510.2
40°	493.5	492.8	492.2	490.8	490.2	492.8	495.5	498.2	500.8	508.8	516.8
42.5°	504.2	504.2	503.5	503.5	502.8	505.5	507.5	510.2	512.2	516.8	521.5
45°	518.1	516.8	516.1	514.8	513.5	512.8	512.8	512.2	511.5	514.1	517.5
47.5°	534.8	530.1	524.8	520.1	514.8	513.5	511.5	510.2	508.2	509.5	510.8
50°	564.1	551.4	539.5	526.8	514.1	510.8	507.5	504.2	500.8	500.2	500.2
52.5°	586.1	567.4	548.8	530.1	511.5	505.5	499.5	493.5	487.5	486.2	485.5
55°	564.8	550.8	537.5	523.5	509.5	500.8	491.5	482.8	473.5	471.5	469.5
57.5°	545.5	536.8	528.1	519.5	510.8	502.2	492.8	484.2	474.9	470.2	465.5
60°	499.5	499.5	500.2	500.2	500.2	490.8	481.5	472.2	462.9	458.2	454.2
62.5°	452.2	459.5	466.2	473.5	480.2	467.5	454.2	441.6	428.2	424.9	422.2
65°	412.9	414.9	417.6	419.6	421.6	411.6	401.6	391.6	381.6	379.6	377.0
67.5°	373.0	372.3	371.6	370.3	369.6	363.6	357.0	351.0	344.3	341.7	339.0
70°	334.3	333.7	333.0	331.7	331.0	325.7	320.3	315.0	309.7	307.7	305.7
72.5°	297.7	297.0	295.7	295.0	293.7	289.0	285.0	280.4	275.7	273.1	270.4
75°	257.7	256.4	255.1	253.7	252.4	248.4	244.4	239.8	235.8	233.1	230.4
77.5°	220.4	218.4	216.4	213.8	211.8	208.5	204.5	201.1	197.1	193.8	191.1
80°	177.8	176.5	175.2	173.2	171.8	168.5	165.2	161.2	157.8	153.8	150.5
82.5°	133.2	132.5	131.2	130.5	129.2	125.9	122.5	119.2	115.9	111.9	107.9
85°	85.9	85.2	84.6	83.9	83.2	80.6	78.6	75.9	73.3	69.3	65.9
87.5°	30.6	29.3	28.6	27.3	26.0	25.3	24.0	23.3	22.0	20.0	18.0
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: P597126
 CATALOG NUMBER: MSA-SA4B-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: P597126

CATALOG NUMBER: MSA-SA4B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2
2.5°	1510.5	1535.8	1536.5	1536.5	1548.4	1559.8	1536.5	1513.1	1489.2	1465.9	1442.5
5°	1609.7	1619.7	1617.0	1613.7	1599.1	1584.4	1569.1	1553.8	1538.4	1523.1	1523.8
7.5°	1379.3	1403.9	1423.9	1443.2	1424.6	1405.9	1395.9	1385.9	1375.9	1366.0	1364.6
10°	1098.9	1105.6	1113.5	1120.9	1109.5	1097.6	1117.5	1137.5	1156.8	1176.8	1154.8
12.5°	1021.0	1027.0	1013.0	998.3	993.7	989.0	984.3	979.0	974.4	969.0	966.4
15°	881.1	870.5	859.8	848.5	845.8	842.5	839.2	835.2	831.8	827.8	815.8
17.5°	761.9	751.2	733.3	714.6	707.3	699.3	697.3	695.3	692.6	690.6	679.3
20°	657.3	650.0	645.3	640.0	632.7	625.4	618.0	610.7	602.7	595.4	584.7
22.5°	630.0	622.0	616.0	609.4	608.1	606.7	593.4	579.4	566.1	552.1	546.1
25°	771.9	773.9	737.3	700.0	696.6	693.3	669.3	644.7	620.7	596.1	575.4
27.5°	833.8	835.8	834.5	833.2	822.5	811.2	770.6	729.3	688.6	647.3	618.0
30°	747.9	773.9	783.9	793.9	786.5	778.5	735.9	694.0	651.3	608.7	589.4
32.5°	542.1	551.4	568.1	584.1	592.7	600.7	587.4	574.1	560.8	547.4	544.1
35°	505.5	512.8	516.1	519.5	514.1	508.8	498.8	488.8	478.2	468.2	466.2
37.5°	515.5	521.5	528.1	534.8	520.1	504.8	493.5	482.8	471.5	460.2	450.9
40°	524.8	532.8	536.8	540.8	526.1	511.5	497.5	484.2	470.2	456.2	446.9
42.5°	526.1	530.8	538.1	545.5	524.8	503.5	490.8	477.5	464.9	451.5	442.2
45°	520.1	522.8	529.5	536.1	512.2	487.5	476.2	464.2	452.9	440.9	432.9
47.5°	511.5	512.8	518.1	522.8	497.5	471.5	460.9	450.2	438.9	428.2	420.2
50°	499.5	498.8	502.8	506.2	480.2	454.2	443.6	433.6	422.9	412.3	405.6
52.5°	484.2	482.8	486.8	490.2	462.9	435.6	426.2	417.6	408.3	398.9	393.6
55°	466.9	464.9	468.2	471.5	444.9	417.6	409.6	400.9	392.9	384.3	379.6
57.5°	460.2	455.5	457.5	459.5	429.6	399.6	391.6	383.6	375.6	367.6	364.3
60°	449.5	444.9	446.9	448.2	416.2	383.6	376.3	368.3	361.0	353.0	349.6
62.5°	418.9	415.6	418.2	420.9	392.3	363.0	356.3	350.3	343.7	337.0	332.3
65°	375.0	372.3	377.6	382.9	358.3	333.7	329.7	325.7	321.0	317.0	312.4
67.5°	336.3	333.7	339.0	344.3	326.3	308.4	304.4	300.4	296.4	292.4	289.7
70°	303.7	301.7	306.4	311.0	295.7	280.4	276.4	273.1	269.1	265.1	263.1
72.5°	267.1	264.4	270.4	275.7	263.1	249.7	246.4	242.4	239.1	235.1	233.8
75°	227.8	225.1	230.4	235.1	226.4	217.1	213.8	210.5	207.1	203.8	203.1
77.5°	187.8	184.5	189.8	194.5	189.1	183.1	180.5	177.2	174.5	171.2	171.2
80°	146.5	142.5	146.5	149.8	147.9	145.9	143.9	141.2	139.2	136.5	137.2
82.5°	103.9	99.9	101.9	103.9	105.2	106.6	106.6	106.6	106.6	106.6	106.6
85°	61.9	57.9	58.6	59.3	61.3	63.3	63.9	64.6	65.3	65.9	66.6
87.5°	16.0	14.0	12.7	10.7	12.7	14.0	15.3	16.0	17.3	18.0	18.0
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: P597126
 CATALOG NUMBER: MSA-SA4B-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: P597126

CATALOG NUMBER: MSA-SA4B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2
2.5°	1419.2	1395.3	1372.0	1386.6	1400.6	1415.2	1429.2	1429.9	1429.9	1430.6	1430.6
5°	1525.1	1525.8	1526.5	1512.5	1499.2	1485.2	1471.2	1463.9	1456.5	1448.5	1441.2
7.5°	1362.6	1361.3	1359.3	1346.0	1332.7	1319.3	1306.0	1274.0	1241.4	1209.4	1176.8
10°	1132.2	1110.2	1087.6	1082.2	1077.6	1072.3	1066.9	1058.3	1050.3	1041.6	1033.0
12.5°	963.7	961.0	958.4	944.4	930.4	915.7	901.8	901.8	901.8	901.8	901.8
15°	803.2	791.2	778.5	771.9	764.6	757.9	750.6	747.2	743.9	740.6	737.3
17.5°	667.3	656.0	644.0	642.7	641.4	640.0	638.7	635.4	632.0	628.7	625.4
20°	574.1	563.4	552.8	556.8	560.8	564.1	568.1	564.8	561.4	557.4	554.1
22.5°	539.5	533.5	526.8	523.5	520.1	516.1	512.8	512.8	513.5	513.5	513.5
25°	555.4	534.8	514.1	504.2	494.2	483.5	473.5	469.5	466.2	462.2	458.2
27.5°	588.7	558.8	529.5	512.2	494.8	477.5	460.2	452.9	444.9	437.6	429.6
30°	569.4	550.1	530.1	510.2	490.2	470.2	450.2	440.9	431.6	421.6	412.3
32.5°	540.8	536.8	533.5	514.8	496.2	476.9	458.2	454.2	450.9	446.9	442.9
35°	463.5	461.5	458.9	454.2	449.5	444.9	440.2	434.9	429.6	424.2	418.9
37.5°	442.2	432.9	423.6	421.6	419.6	417.6	415.6	413.6	411.6	408.9	406.9
40°	437.6	428.2	418.9	415.6	412.3	408.3	404.9	405.6	406.9	407.6	408.3
42.5°	432.2	422.9	412.9	410.3	407.6	404.9	402.3	402.9	404.3	404.9	405.6
45°	425.6	417.6	409.6	404.9	400.9	396.3	391.6	395.6	399.6	402.9	406.9
47.5°	412.3	403.6	395.6	392.9	390.3	386.9	384.3	388.3	392.3	395.6	399.6
50°	398.3	391.6	384.3	383.6	382.9	381.6	380.9	383.6	386.3	388.9	391.6
52.5°	387.6	382.3	376.3	376.3	375.6	375.6	375.0	377.6	380.3	382.3	384.9
55°	375.6	371.0	366.3	367.0	368.3	369.0	369.6	372.3	375.6	378.3	380.9
57.5°	360.3	357.0	353.0	355.6	357.6	360.3	362.3	364.3	367.0	369.0	371.0
60°	345.7	342.3	338.3	341.0	344.3	347.0	349.6	351.6	353.6	355.6	357.6
62.5°	327.7	322.3	317.7	321.7	325.0	329.0	332.3	333.7	335.7	337.0	338.3
65°	308.4	303.7	299.0	301.7	304.4	306.4	309.0	311.0	313.0	315.0	317.0
67.5°	286.4	283.7	280.4	282.4	284.4	286.4	288.4	289.0	289.0	289.7	289.7
70°	260.4	258.4	255.7	257.1	259.1	260.4	261.7	261.7	261.7	261.1	261.1
72.5°	233.1	231.8	230.4	231.1	232.4	233.1	233.8	233.1	232.4	231.8	231.1
75°	202.5	201.8	201.1	201.8	203.1	203.8	204.5	203.8	202.5	201.8	200.5
77.5°	171.8	171.8	171.8	171.8	172.5	172.5	172.5	171.2	169.8	168.5	167.2
80°	137.9	138.5	139.2	139.2	139.2	139.2	139.2	137.9	136.5	134.5	133.2
82.5°	106.6	106.6	106.6	106.6	107.2	107.2	107.2	103.9	101.2	97.9	94.6
85°	66.6	67.3	67.3	67.9	68.6	68.6	69.3	64.6	60.6	55.9	51.3
87.5°	18.0	18.0	18.0	18.0	18.0	17.3	17.3	13.3	8.7	4.7	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597126
 CATALOG NUMBER: MSA-SA4B-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: P597126

CATALOG NUMBER: MSA-SA4B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2
2.5°	1434.6	1438.5	1441.9	1445.9	1446.5	1447.2	1447.2	1447.9	1433.9	1419.9	1405.3
5°	1451.2	1460.5	1470.5	1479.8	1477.8	1475.8	1473.8	1471.8	1467.9	1464.5	1460.5
7.5°	1169.5	1162.8	1155.5	1148.2	1154.2	1160.2	1166.2	1172.2	1174.8	1177.5	1179.5
10°	1016.3	999.7	983.0	966.4	957.0	947.0	937.7	927.7	926.4	925.7	924.4
12.5°	884.4	866.5	849.1	831.2	825.8	819.8	814.5	808.5	813.8	819.2	823.8
15°	729.9	723.3	715.9	708.6	714.6	720.6	726.6	732.6	737.9	742.6	747.9
17.5°	622.0	619.4	616.0	612.7	618.0	624.0	629.4	634.7	646.7	658.7	670.7
20°	551.4	549.4	546.8	544.1	542.1	539.5	537.5	534.8	552.1	568.8	586.1
22.5°	509.5	505.5	501.5	497.5	498.2	498.8	498.8	499.5	513.5	528.1	542.1
25°	456.9	455.5	454.2	452.9	456.9	460.9	464.2	468.2	480.8	493.5	505.5
27.5°	430.2	430.9	431.6	432.2	437.6	443.6	448.9	454.2	462.9	471.5	480.2
30°	415.6	419.6	422.9	426.2	428.2	430.2	432.2	434.2	442.9	450.9	459.5
32.5°	437.6	432.2	426.2	420.9	423.6	426.9	429.6	432.2	440.2	448.2	456.2
35°	416.9	414.2	412.3	409.6	412.9	416.2	418.9	422.2	429.6	436.2	443.6
37.5°	406.3	405.6	404.9	404.3	406.3	408.3	409.6	411.6	418.2	424.9	430.9
40°	405.6	402.3	399.6	396.3	398.3	400.3	401.6	403.6	411.6	419.6	427.6
42.5°	401.6	397.6	392.9	388.9	390.9	393.6	395.6	397.6	406.3	414.2	422.9
45°	400.9	394.9	388.3	382.3	384.9	387.6	390.3	392.9	399.6	406.3	412.3
47.5°	393.6	387.6	381.6	375.6	377.0	378.3	379.0	380.3	386.3	391.6	397.6
50°	387.6	382.9	379.0	374.3	372.3	371.0	369.0	367.0	371.6	376.3	380.9
52.5°	380.3	375.6	370.3	365.6	363.0	360.3	357.6	355.0	359.0	362.3	366.3
55°	375.6	369.6	364.3	358.3	355.0	351.6	348.3	345.0	347.6	349.6	352.3
57.5°	365.6	360.3	354.3	349.0	345.0	341.0	336.3	332.3	333.7	335.0	336.3
60°	352.3	346.3	341.0	335.0	330.3	325.7	320.3	315.7	316.3	317.7	318.3
62.5°	333.0	327.7	321.7	316.3	311.0	306.4	301.0	295.7	297.0	297.7	299.0
65°	311.7	305.7	300.4	294.4	289.7	285.0	279.7	275.1	276.4	277.7	278.4
67.5°	285.7	281.1	277.1	272.4	268.4	263.7	259.7	255.1	255.7	256.4	257.1
70°	257.7	253.7	250.4	246.4	243.1	239.8	236.4	233.1	233.1	233.8	233.8
72.5°	227.8	224.4	221.1	217.8	214.5	211.8	208.5	205.1	206.5	207.8	208.5
75°	197.1	194.5	191.1	187.8	185.1	182.5	179.2	176.5	177.8	179.2	179.8
77.5°	165.2	163.2	160.5	158.5	155.8	153.2	149.8	147.2	148.5	149.8	150.5
80°	131.9	130.5	128.5	127.2	124.5	121.9	119.2	116.5	117.2	117.2	117.9
82.5°	95.2	95.9	95.9	96.6	94.6	91.9	89.9	87.2	87.2	87.2	86.6
85°	53.3	55.9	57.9	59.9	57.9	55.9	53.9	51.9	51.3	51.3	50.6
87.5°	2.0	3.3	5.3	6.7	6.0	5.3	4.0	3.3	4.0	4.7	4.7
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: P597126
 CATALOG NUMBER: MSA-SA4B-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



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 CATALOG NUMBER: MSA-SA4B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2
2.5°	1391.3	1402.6	1413.9	1425.2	1436.6	1453.9	1471.2	1489.2	1507.1	1497.2	1486.5
5°	1456.5	1463.2	1470.5	1477.2	1483.8	1503.2	1521.8	1545.1	1567.8	1565.1	1561.8
7.5°	1182.1	1191.5	1200.8	1209.4	1218.8	1248.1	1277.4	1302.0	1326.7	1323.3	1319.3
10°	923.1	942.4	962.4	981.7	1001.0	1025.0	1048.3	1068.9	1089.6	1124.2	1158.2
12.5°	829.2	859.1	889.1	919.1	949.0	966.4	983.0	1009.6	1036.3	1054.9	1074.3
15°	752.6	780.5	808.5	836.5	864.5	865.8	867.1	895.1	923.1	939.1	954.4
17.5°	682.6	698.0	713.3	727.9	743.3	737.9	732.6	745.9	758.6	765.2	772.6
20°	602.7	613.4	624.0	634.7	645.3	652.7	659.3	667.3	674.7	668.0	660.7
22.5°	556.1	572.1	588.7	604.7	620.7	625.4	629.4	624.7	620.0	618.0	616.0
25°	518.1	537.5	557.4	576.8	596.1	605.4	614.7	618.7	622.0	614.7	607.4
27.5°	488.8	512.2	534.8	558.1	580.7	597.4	614.0	618.7	622.7	617.4	611.4
30°	467.5	492.8	518.1	543.5	568.8	594.1	618.7	640.7	662.0	660.0	658.0
32.5°	464.2	481.5	498.8	516.1	533.5	549.4	564.8	566.1	566.8	561.4	555.4
35°	450.2	461.5	472.9	484.2	495.5	505.5	514.8	513.5	512.2	506.8	501.5
37.5°	437.6	448.9	460.9	472.2	483.5	500.8	517.5	514.1	510.2	504.8	499.5
40°	435.6	448.2	460.9	472.9	485.5	501.5	517.5	514.1	510.8	504.2	497.5
42.5°	430.9	443.6	455.5	468.2	480.2	499.5	518.1	512.2	505.5	500.2	494.8
45°	418.9	430.2	441.6	452.9	464.2	484.8	505.5	498.2	490.8	488.8	486.2
47.5°	402.9	414.2	425.6	436.9	448.2	468.9	488.8	482.8	476.2	475.5	474.2
50°	385.6	396.3	407.6	418.2	428.9	449.5	469.5	464.2	458.9	459.5	459.5
52.5°	369.6	379.6	388.9	398.9	408.3	428.9	448.9	444.9	440.2	441.6	442.2
55°	354.3	362.3	370.3	378.3	386.3	406.3	426.2	420.2	414.2	416.2	418.2
57.5°	337.7	344.3	351.0	357.0	363.6	383.6	402.9	396.3	388.9	392.3	394.9
60°	319.0	325.0	331.0	336.3	342.3	360.3	377.6	371.6	365.0	369.6	373.6
62.5°	299.7	304.4	309.0	313.7	318.3	335.0	351.6	347.0	342.3	347.6	352.3
65°	279.7	283.0	287.0	290.4	293.7	309.7	325.0	321.7	318.3	323.0	327.7
67.5°	257.7	260.4	263.7	266.4	269.1	283.7	298.4	295.0	291.0	295.0	298.4
70°	233.8	236.4	238.4	241.1	243.1	256.4	269.7	265.1	259.7	263.7	267.1
72.5°	209.8	211.1	213.1	214.5	215.8	225.8	235.8	231.8	227.8	231.8	235.1
75°	181.2	182.5	183.8	185.1	186.5	195.1	203.1	198.5	193.1	197.1	201.1
77.5°	151.8	152.5	153.8	154.5	155.2	161.2	166.5	161.8	156.5	161.2	165.8
80°	117.9	118.5	119.2	119.2	119.9	121.9	123.9	120.5	116.5	122.5	128.5
82.5°	86.6	85.9	85.9	85.2	84.6	84.6	83.9	81.9	79.3	84.6	89.9
85°	49.9	49.3	48.0	47.3	46.0	44.0	42.0	41.3	40.6	45.3	49.9
87.5°	5.3	4.7	3.3	2.7	1.3	0.7	0.0	0.0	0.0	2.7	6.0
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):

	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: P597126

CATALOG NUMBER: MSA-SA4B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2
2.5°	1476.5	1465.9	1455.9	1445.9	1435.9	1425.9	1444.5	1463.2	1481.8	1500.5	1517.1
5°	1559.1	1555.8	1547.1	1539.1	1530.5	1521.8	1526.5	1531.8	1536.5	1541.1	1551.1
7.5°	1316.0	1312.0	1330.7	1348.6	1367.3	1385.3	1389.9	1393.9	1398.6	1402.6	1399.9
10°	1192.8	1226.8	1235.4	1243.4	1252.1	1260.1	1273.4	1286.7	1299.4	1312.7	1320.0
12.5°	1092.9	1111.5	1142.2	1173.5	1204.1	1234.8	1254.7	1274.7	1294.7	1314.7	1356.0
15°	970.4	985.7	1009.0	1032.3	1055.6	1078.9	1107.6	1136.9	1165.5	1194.1	1239.4
17.5°	779.2	785.9	803.2	820.5	837.2	854.5	893.1	931.1	969.7	1007.7	1059.6
20°	654.0	646.7	646.7	647.3	647.3	647.3	686.0	723.9	762.6	800.5	869.1
22.5°	613.4	611.4	604.1	596.1	588.7	580.7	600.7	621.4	641.4	661.3	717.3
25°	599.4	592.1	582.7	573.4	564.1	554.8	567.4	580.1	592.7	605.4	649.3
27.5°	606.1	600.1	604.7	608.7	613.4	617.4	621.4	625.4	629.4	633.4	648.7
30°	656.0	654.0	661.3	668.0	675.3	682.0	672.7	664.0	654.7	645.3	650.7
32.5°	550.1	544.1	541.5	538.8	536.1	533.5	532.8	532.1	530.8	530.1	542.1
35°	496.2	490.8	486.8	482.8	478.2	474.2	476.2	477.5	479.5	480.8	494.2
37.5°	494.2	488.8	484.2	479.5	474.2	469.5	471.5	474.2	476.2	478.2	488.2
40°	490.8	484.2	481.5	478.9	476.2	473.5	474.9	476.2	476.9	478.2	485.5
42.5°	488.8	483.5	482.2	480.8	479.5	478.2	479.5	480.8	481.5	482.8	491.5
45°	484.2	481.5	482.8	484.2	485.5	486.8	486.8	486.8	486.8	486.8	496.2
47.5°	473.5	472.2	476.2	480.2	484.2	488.2	494.8	501.5	507.5	514.1	516.1
50°	460.2	460.2	466.9	473.5	479.5	486.2	502.2	517.5	533.5	548.8	538.8
52.5°	443.6	444.2	454.2	463.5	473.5	482.8	497.5	512.2	526.1	540.8	526.1
55°	419.6	421.6	434.2	446.2	458.9	470.9	482.2	493.5	504.8	516.1	500.8
57.5°	398.3	400.9	414.2	426.9	440.2	452.9	459.5	466.9	473.5	480.2	470.2
60°	378.3	382.3	399.6	416.9	433.6	450.9	445.6	440.2	434.2	428.9	428.2
62.5°	357.6	362.3	378.3	394.3	409.6	425.6	417.6	409.6	400.9	392.9	396.3
65°	331.7	336.3	343.7	351.0	357.6	365.0	364.3	364.3	363.6	363.0	369.6
67.5°	302.4	305.7	310.4	314.3	319.0	323.0	325.7	329.0	331.7	334.3	342.3
70°	271.1	274.4	279.1	283.0	287.7	291.7	295.0	298.4	301.0	304.4	312.4
72.5°	239.1	242.4	247.1	251.7	255.7	260.4	263.1	265.7	267.7	270.4	277.1
75°	205.1	209.1	213.8	217.8	222.4	226.4	228.4	230.4	232.4	234.4	240.4
77.5°	170.5	175.2	179.8	184.5	189.1	193.8	194.5	195.1	195.8	196.5	201.8
80°	133.9	139.9	144.5	149.2	153.8	158.5	158.5	158.5	158.5	158.5	161.2
82.5°	95.2	100.6	105.9	110.6	115.9	120.5	120.5	119.9	119.9	119.2	119.2
85°	54.6	59.3	62.6	66.6	69.9	73.3	73.3	73.3	72.6	72.6	71.3
87.5°	8.7	11.3	12.7	14.7	16.0	17.3	16.6	16.6	16.0	15.3	13.3
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: P597126
 CATALOG NUMBER: MSA-SA4B-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: P597126

CATALOG NUMBER: MSA-SA4B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2
2.5°	1533.8	1550.4	1567.1	1564.4	1561.8	1559.1	1556.4	1566.4	1575.7	1585.7	1595.1
5°	1560.4	1570.4	1579.7	1587.1	1594.4	1601.7	1609.0	1643.0	1676.3	1710.3	1743.6
7.5°	1397.3	1393.9	1391.3	1422.6	1454.5	1485.8	1517.1	1560.4	1603.7	1647.0	1690.3
10°	1327.3	1334.7	1342.0	1354.6	1368.0	1380.6	1393.3	1435.9	1478.5	1521.1	1563.8
12.5°	1396.6	1437.9	1478.5	1488.5	1499.2	1509.1	1519.1	1527.8	1536.5	1544.4	1553.1
15°	1284.7	1330.0	1375.3	1401.3	1427.2	1452.5	1478.5	1543.8	1608.4	1673.6	1738.2
17.5°	1110.9	1162.8	1214.1	1278.0	1342.0	1405.9	1469.9	1529.8	1589.7	1649.0	1708.9
20°	937.7	1005.7	1074.3	1144.2	1213.4	1283.4	1352.6	1411.2	1469.9	1527.8	1586.4
22.5°	772.6	828.5	883.8	969.0	1053.6	1138.9	1223.4	1332.7	1441.2	1550.4	1659.0
25°	692.6	736.6	779.9	867.8	955.7	1042.9	1130.9	1272.7	1413.9	1555.8	1697.0
27.5°	664.7	680.0	695.3	775.2	854.5	934.4	1013.6	1166.8	1320.0	1472.5	1625.7
30°	656.0	661.3	666.7	729.3	791.9	854.5	917.1	1068.3	1220.1	1371.3	1522.5
32.5°	553.4	565.4	576.8	638.0	698.6	759.9	820.5	973.0	1124.9	1277.4	1429.2
35°	507.5	520.8	534.1	594.1	654.0	713.3	773.2	933.7	1094.9	1255.4	1415.9
37.5°	498.2	508.2	518.1	586.1	654.0	721.9	789.9	952.4	1114.9	1277.4	1439.9
40°	493.5	500.8	508.2	574.1	640.7	706.6	772.6	943.0	1112.9	1283.4	1453.2
42.5°	499.5	508.2	516.1	576.1	635.4	695.3	754.6	931.1	1106.9	1283.4	1459.2
45°	504.8	514.1	522.8	578.7	634.7	690.6	746.6	935.1	1122.9	1311.3	1499.2
47.5°	517.5	519.5	520.8	569.4	617.4	666.0	713.9	905.8	1097.6	1288.7	1480.5
50°	528.1	518.1	507.5	558.1	608.1	658.7	708.6	890.4	1072.3	1253.4	1435.2
52.5°	511.5	496.2	481.5	536.1	590.7	644.7	699.3	881.1	1063.6	1245.4	1427.2
55°	486.2	470.9	455.5	510.8	566.1	621.4	676.7	857.8	1039.6	1220.8	1401.9
57.5°	460.9	450.9	440.9	486.2	532.1	577.4	622.7	819.2	1015.0	1211.4	1407.2
60°	427.6	426.2	425.6	460.9	496.8	532.1	567.4	759.9	951.7	1144.2	1336.0
62.5°	398.9	402.3	404.9	433.6	462.2	490.2	518.8	704.6	891.1	1076.9	1262.7
65°	377.0	383.6	390.3	422.9	455.5	487.5	520.1	676.0	831.8	987.7	1143.5
67.5°	350.3	358.3	366.3	408.9	451.5	494.2	536.8	665.3	793.9	922.4	1050.9
70°	319.7	327.7	335.0	389.6	443.6	498.2	552.1	666.0	780.5	894.4	1008.3
72.5°	283.7	290.4	297.0	355.6	414.2	472.9	531.5	628.0	724.6	820.5	917.1
75°	247.1	253.1	259.1	309.7	360.3	410.9	461.5	536.1	610.1	684.6	758.6
77.5°	206.5	211.8	216.4	250.4	284.4	318.3	352.3	409.6	466.2	523.5	580.1
80°	163.8	166.5	169.2	189.1	208.5	228.4	247.8	285.7	323.7	361.0	398.9
82.5°	119.9	119.9	119.9	132.5	145.9	158.5	171.2	190.5	209.1	228.4	247.1
85°	69.9	67.9	66.6	75.3	83.9	92.6	101.2	109.2	117.2	125.2	133.2
87.5°	11.3	8.7	6.7	12.0	17.3	22.6	28.0	30.6	34.0	36.6	39.3
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: P597126
 CATALOG NUMBER: MSA-SA4B-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: P597126

CATALOG NUMBER: MSA-SA4B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2
2.5°	1572.4	1550.4	1527.8	1505.1	1538.4	1571.7	1605.0	1638.3	1726.9	1779.5	1782.9
5°	1771.5	1799.5	1827.5	1855.5	1883.4	1911.4	1938.7	1966.7	2110.5	2199.1	2215.8
7.5°	1736.2	1782.9	1828.8	1874.8	1954.0	2033.3	2112.5	2191.8	2313.7	2401.6	2459.5
10°	1621.0	1678.3	1735.6	1792.9	1886.8	1981.3	2075.2	2169.1	2298.3	2414.2	2469.5
12.5°	1644.3	1735.6	1826.2	1917.4	1998.7	2080.6	2161.8	2243.1	2332.3	2376.3	2476.8
15°	1801.5	1864.8	1928.1	1991.3	2113.9	2235.7	2358.3	2480.2	2530.8	2631.3	2721.9
17.5°	1825.5	1941.4	2057.9	2173.8	2323.7	2473.5	2623.4	2773.2	2867.1	2997.0	3106.2
20°	1750.9	1914.7	2079.2	2243.1	2436.2	2630.0	2823.2	3016.3	3135.5	3244.7	3413.9
22.5°	1840.1	2021.3	2201.8	2382.9	2639.3	2895.1	3151.5	3407.2	3656.3	3900.1	4014.6
25°	1938.7	2181.1	2422.9	2664.6	2985.0	3304.7	3625.0	3944.7	4265.0	4493.5	4625.3
27.5°	1869.4	2112.5	2356.3	2599.4	2995.6	3392.6	3788.8	4185.1	4528.1	4803.2	4916.4
30°	1820.8	2119.2	2417.6	2715.9	3180.8	3645.7	4110.5	4575.4	4892.4	5199.4	5365.9
32.5°	1812.2	2195.1	2577.4	2960.3	3501.8	4042.6	4584.0	5124.8	5335.3	5607.7	5832.1
35°	1836.1	2257.1	2677.3	3097.5	3718.3	4339.0	4959.0	5579.7	5878.7	6148.5	6344.9
37.5°	1909.4	2378.9	2847.8	3317.3	4065.2	4813.8	5561.7	6309.6	6811.1	7304.6	7392.5
40°	1950.7	2448.9	2946.4	3443.9	4313.7	5183.4	6053.2	6923.0	7499.8	8041.2	8077.9
42.5°	1999.3	2539.4	3078.9	3619.0	4583.4	5548.4	6512.8	7477.1	8191.1	8773.2	8790.5
45°	2055.3	2610.7	3166.8	3722.2	4729.2	5735.6	6742.5	7748.9	8612.0	9319.3	9146.8
47.5°	2077.2	2674.6	3271.4	3868.1	4941.7	6014.6	7088.2	8161.1	8935.7	9579.0	9413.8
50°	2085.9	2737.2	3387.9	4038.6	5150.8	6263.7	7375.9	8488.1	9276.0	9903.4	9650.3
52.5°	2139.8	2852.5	3565.1	4277.7	5436.5	6595.4	7754.2	8913.0	9688.2	10291.0	9976.6
55°	2212.4	3023.0	3832.8	4643.3	5842.8	7041.6	8241.0	9439.8	10217.7	10778.5	10388.9
57.5°	2279.7	3152.8	4025.3	4897.7	6140.5	7383.9	8626.6	9869.4	10657.3	11212.0	10834.4
60°	2247.1	3158.1	4069.2	4980.3	6201.7	7422.5	8644.0	9864.7	10759.2	11424.5	11231.3
62.5°	2148.5	3034.3	3919.4	4805.2	5964.7	7123.5	8283.0	9441.8	10488.8	11341.9	11333.2
65°	1958.7	2773.9	3588.4	4403.6	5476.5	6550.1	7623.0	8695.9	9930.0	10966.3	11033.5
67.5°	1727.6	2404.2	3080.9	3757.5	4767.9	5778.2	6788.5	7798.8	9118.1	10261.7	10319.6
70°	1503.8	2000.0	2495.5	2991.0	3878.1	4765.2	5651.6	6538.7	7871.4	9028.2	9081.5
72.5°	1241.4	1565.8	1889.4	2213.8	2932.4	3651.0	4368.9	5087.5	6257.7	7147.5	7447.8
75°	951.0	1143.5	1336.0	1528.5	2109.9	2691.3	3272.0	3853.4	4631.3	5288.0	5626.3
77.5°	680.0	779.9	879.8	979.7	1473.8	1968.0	2461.5	2955.7	3364.6	3736.9	3965.3
80°	446.2	492.8	540.1	586.7	997.7	1408.6	1818.8	2229.8	2478.8	2678.6	2793.9
82.5°	270.4	293.7	316.3	339.7	672.7	1005.7	1338.0	1671.0	1813.5	1908.7	2011.3
85°	145.9	158.5	171.2	183.8	397.6	610.7	824.5	1037.6	1051.6	1062.9	1215.4
87.5°	42.6	46.6	49.9	53.3	87.9	123.2	157.8	192.5	119.9	74.6	153.2
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: P597126
 CATALOG NUMBER: MSA-SA4B-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: P597126

CATALOG NUMBER: MSA-SA4B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2
2.5°	1763.6	1754.9	1746.2	1736.9	1728.3	1691.6	1655.7	1619.0	1582.4	1617.7	1652.3
5°	2196.5	2223.1	2249.1	2275.7	2302.3	2304.3	2305.7	2307.7	2309.0	2315.7	2322.3
7.5°	2508.1	2555.4	2602.0	2649.3	2696.6	2733.2	2769.9	2807.2	2843.8	2810.5	2777.2
10°	2534.8	2634.7	2734.6	2834.5	2934.4	2952.4	2969.7	2987.7	3005.6	3029.6	3052.9
12.5°	2561.4	2683.3	2804.5	2926.4	3048.3	3101.5	3154.2	3207.4	3260.0	3286.0	3311.3
15°	2843.1	2915.1	2986.3	3058.3	3129.5	3166.1	3202.1	3238.7	3275.4	3297.3	3318.7
17.5°	3205.4	3232.1	3258.0	3284.7	3311.3	3336.0	3360.6	3385.3	3409.9	3413.9	3417.9
20°	3535.8	3541.1	3545.8	3551.1	3555.7	3503.8	3452.5	3400.6	3348.6	3357.9	3366.6
22.5°	4031.3	4002.0	3973.3	3944.0	3915.4	3817.5	3720.2	3622.3	3525.1	3483.2	3441.9
25°	4777.2	4702.6	4628.0	4553.4	4478.8	4323.0	4167.8	4012.0	3856.8	3765.5	3675.0
27.5°	5017.6	4855.1	4693.3	4530.8	4368.3	4250.4	4133.2	4015.3	3898.1	3753.5	3609.0
30°	5503.8	5247.4	4991.6	4735.2	4478.8	4364.9	4251.0	4136.5	4022.6	3874.8	3727.6
32.5°	5934.7	5668.3	5401.9	5134.8	4868.4	4652.6	4436.9	4221.1	4005.3	3905.4	3805.5
35°	6433.5	6098.5	5763.5	5428.5	5093.5	4908.4	4723.9	4538.8	4354.3	4203.1	4052.6
37.5°	7160.1	6803.8	6447.5	6090.5	5734.2	5483.8	5234.1	4983.6	4733.9	4650.6	4568.1
40°	7852.8	7431.8	7011.6	6590.7	6170.4	5978.6	5786.8	5594.4	5402.6	5262.0	5121.5
42.5°	8432.8	8016.6	7601.0	7184.8	6769.2	6629.3	6490.1	6350.3	6211.1	6095.2	5979.3
45°	8632.0	8292.3	7953.3	7613.7	7274.0	7224.7	7176.1	7126.8	7078.2	6992.3	6906.4
47.5°	8952.3	8606.0	8260.3	7914.0	7567.7	7585.7	7603.7	7622.3	7640.3	7645.0	7649.0
50°	9140.8	8811.8	8483.4	8154.4	7826.1	7913.4	7999.9	8087.2	8174.4	8372.2	8569.4
52.5°	9415.8	9092.8	8770.5	8447.5	8124.5	8272.3	8419.5	8567.4	8714.5	8991.6	9268.7
55°	9760.8	9451.8	9143.4	8834.4	8526.1	8669.9	8813.1	8957.0	9100.2	9408.5	9716.9
57.5°	10218.4	9887.4	9557.0	9226.0	8895.7	9028.2	9160.1	9292.6	9424.5	9717.5	10010.6
60°	10739.2	10379.5	10019.9	9659.6	9300.0	9336.6	9372.6	9409.2	9445.1	9762.8	10079.8
62.5°	10994.9	10661.9	10329.6	9996.6	9663.6	9561.7	9459.8	9357.2	9255.3	9539.7	9823.4
65°	10773.1	10544.0	10315.6	10086.5	9857.4	9677.6	9498.4	9318.6	9138.8	9316.6	9493.8
67.5°	10067.2	9937.3	9808.1	9678.2	9548.4	9246.7	8945.0	8642.6	8340.9	8352.9	8364.2
70°	8923.0	8888.4	8854.4	8819.8	8785.1	8331.6	7878.7	7425.2	6971.6	6902.4	6833.1
72.5°	7473.1	7495.8	7517.8	7540.4	7563.0	7075.5	6588.0	6100.5	5613.0	5497.8	5382.6
75°	5788.2	5913.4	6038.6	6164.5	6289.7	5823.5	5357.3	4890.4	4424.2	4282.3	4140.5
77.5°	4089.9	4323.6	4556.7	4790.5	5024.3	4602.7	4181.8	3760.2	3338.6	3246.7	3154.8
80°	2851.8	2966.3	3080.9	3195.4	3310.0	3098.2	2886.4	2674.6	2462.9	2488.2	2512.8
82.5°	2077.2	2103.9	2129.9	2156.5	2183.1	2096.6	2010.0	1922.7	1836.1	1902.1	1968.0
85°	1330.7	1425.9	1520.5	1615.7	1710.3	1614.4	1518.5	1421.9	1326.0	1370.0	1413.9
87.5°	297.7	470.9	644.0	817.8	991.0	897.8	805.2	711.9	618.7	576.8	535.5
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: P597126
 CATALOG NUMBER: MSA-SA4B-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: P597126

CATALOG NUMBER: MSA-SA4B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2
2.5°	1687.6	1722.9	1712.3	1702.3	1691.6	1681.0	1700.3	1719.6	1739.6	1758.9	1752.2
5°	2329.7	2336.3	2273.0	2210.4	2147.2	2083.9	2123.2	2162.5	2201.8	2241.1	2227.1
7.5°	2743.9	2710.6	2674.0	2637.3	2600.0	2563.4	2555.4	2547.4	2538.8	2530.8	2520.1
10°	3076.9	3100.2	3076.2	3052.9	3028.9	3005.0	2949.0	2893.1	2836.5	2780.5	2757.2
12.5°	3337.3	3363.3	3369.3	3374.6	3380.6	3386.6	3324.0	3262.0	3199.4	3136.8	3080.2
15°	3340.6	3362.6	3381.9	3400.6	3419.9	3438.5	3399.9	3361.9	3323.3	3284.7	3266.7
17.5°	3422.5	3426.5	3410.6	3395.2	3379.3	3363.9	3348.6	3334.0	3318.7	3304.0	3275.4
20°	3375.9	3385.3	3383.3	3381.3	3378.6	3376.6	3377.9	3378.6	3379.9	3380.6	3364.6
22.5°	3399.9	3357.9	3366.6	3374.6	3383.3	3391.2	3415.2	3439.2	3463.8	3487.8	3551.8
25°	3583.7	3492.5	3478.5	3465.2	3451.2	3437.9	3500.5	3562.4	3625.0	3687.6	3791.5
27.5°	3463.8	3319.3	3287.4	3255.4	3223.4	3191.4	3286.7	3381.3	3476.5	3571.7	3677.6
30°	3579.7	3432.5	3361.9	3291.3	3220.1	3149.5	3240.7	3331.3	3422.5	3513.1	3630.3
32.5°	3705.6	3605.7	3558.4	3511.8	3464.5	3417.9	3425.2	3432.5	3439.9	3447.2	3612.4
35°	3901.4	3750.2	3703.6	3657.0	3610.4	3563.7	3641.7	3718.9	3796.8	3874.1	4014.0
37.5°	4484.8	4401.6	4317.6	4233.7	4149.2	4065.2	4111.2	4157.1	4203.1	4249.1	4380.9
40°	4981.0	4840.5	4826.5	4813.1	4799.2	4785.2	4789.2	4792.5	4796.5	4800.5	4913.0
42.5°	5862.8	5746.9	5675.6	5604.4	5533.1	5461.8	5457.2	5452.5	5447.2	5442.5	5527.1
45°	6819.8	6733.9	6680.6	6627.3	6573.4	6520.1	6435.5	6350.9	6265.7	6181.1	6255.0
47.5°	7653.6	7658.3	7754.8	7850.8	7947.3	8043.9	7899.4	7754.8	7610.3	7465.8	7370.6
50°	8767.2	8964.3	8987.6	9010.3	9033.6	9056.9	8811.8	8567.4	8322.3	8077.2	7977.3
52.5°	9546.4	9823.4	9787.5	9752.2	9716.2	9680.2	9538.4	9397.2	9255.3	9113.5	8895.7
55°	10025.9	10334.2	10306.9	10280.3	10253.0	10225.7	10122.5	10019.2	9916.0	9812.8	9573.7
57.5°	10303.6	10596.7	10604.6	10612.6	10620.6	10628.6	10601.3	10574.0	10546.7	10519.4	10208.4
60°	10397.5	10715.2	10718.5	10721.2	10724.5	10727.2	10683.9	10640.6	10596.7	10553.4	10350.2
62.5°	10107.8	10391.5	10404.2	10416.2	10428.8	10441.5	10411.5	10381.5	10351.6	10321.6	10171.1
65°	9671.6	9849.4	9852.7	9855.4	9858.7	9862.1	9786.1	9710.9	9635.0	9559.0	9523.1
67.5°	8376.2	8388.2	8458.8	8529.4	8600.0	8670.6	8676.6	8682.6	8689.2	8695.2	8643.3
70°	6763.8	6694.6	6771.2	6847.8	6924.4	7000.9	7033.6	7066.2	7099.5	7132.1	7156.1
72.5°	5266.7	5151.5	5208.1	5264.7	5322.0	5378.6	5330.0	5281.3	5232.7	5184.1	5338.0
75°	3998.6	3856.8	3849.5	3842.8	3835.5	3828.8	3804.2	3779.5	3754.2	3729.6	3873.4
77.5°	3062.2	2970.3	2975.0	2979.0	2983.7	2987.7	2962.3	2937.7	2912.4	2887.1	2942.4
80°	2538.1	2562.8	2563.4	2564.1	2564.7	2565.4	2541.4	2518.1	2494.2	2470.2	2430.2
82.5°	2034.6	2100.5	2099.9	2099.9	2099.2	2098.6	2097.2	2095.9	2093.9	2092.6	2027.3
85°	1457.9	1501.8	1456.5	1411.2	1366.0	1320.7	1354.0	1387.3	1421.2	1454.5	1427.2
87.5°	493.5	452.2	398.3	345.0	291.0	237.1	295.0	353.0	411.6	469.5	502.8
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: P597126
 CATALOG NUMBER: MSA-SA4B-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



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CATALOG NUMBER: MSA-SA4B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2
2.5°	1746.2	1739.6	1733.6	1691.6	1649.0	1607.0	1564.4	1641.7	1719.6	1796.9	1874.1
5°	2213.8	2199.8	2186.5	2183.1	2179.8	2175.8	2172.5	2211.8	2251.1	2289.7	2329.0
7.5°	2509.5	2498.8	2488.2	2460.2	2432.9	2404.9	2376.9	2400.9	2424.2	2448.2	2471.5
10°	2734.6	2711.3	2688.0	2627.4	2567.4	2506.8	2446.2	2428.2	2410.2	2392.3	2374.3
12.5°	3023.6	2966.3	2909.7	2841.1	2771.9	2703.3	2634.0	2624.7	2615.4	2606.7	2597.4
15°	3249.4	3231.4	3213.4	3158.8	3104.2	3049.6	2995.0	2921.7	2847.8	2774.5	2701.3
17.5°	3247.4	3218.8	3190.8	3264.0	3336.6	3409.9	3482.5	3404.6	3326.0	3248.1	3170.1
20°	3348.6	3332.0	3316.0	3451.2	3585.7	3720.9	3855.4	3812.8	3769.5	3726.9	3683.6
22.5°	3615.0	3679.0	3742.2	3858.1	3973.3	4089.2	4204.4	4253.0	4301.7	4350.3	4398.9
25°	3894.7	3998.6	4102.5	4275.0	4446.9	4619.3	4791.8	4826.5	4861.1	4895.7	4930.4
27.5°	3782.9	3888.7	3994.6	4125.2	4255.0	4385.6	4515.4	4667.3	4819.8	4971.7	5123.5
30°	3746.9	3864.1	3980.7	4159.8	4338.3	4517.4	4696.6	4905.7	5114.8	5323.3	5532.4
32.5°	3776.9	3942.0	4107.2	4349.6	4591.4	4833.8	5076.2	5296.0	5516.4	5736.2	5956.0
35°	4153.1	4293.0	4432.2	4703.3	4974.3	5245.4	5516.4	5774.2	6031.9	6289.0	6546.7
37.5°	4512.1	4644.0	4775.9	5052.9	5329.3	5606.3	5883.4	6290.3	6697.9	7104.8	7511.8
40°	5024.9	5137.5	5249.4	5486.5	5723.6	5960.7	6197.8	6688.6	7179.4	7670.3	8161.1
42.5°	5611.0	5695.6	5779.5	6025.3	6271.0	6516.8	6762.5	7296.6	7831.4	8365.6	8899.7
45°	6328.3	6402.2	6476.1	6645.3	6814.5	6984.3	7153.5	7704.2	8255.0	8805.8	9356.6
47.5°	7275.3	7180.1	7084.9	7168.1	7251.4	7334.6	7417.9	7962.6	8507.4	9051.5	9596.3
50°	7877.4	7777.5	7677.6	7684.9	7691.6	7698.9	7706.2	8214.4	8722.5	9230.0	9738.2
52.5°	8677.9	8459.5	8241.7	8239.7	8237.7	8235.0	8233.0	8675.9	9119.5	9562.4	10005.2
55°	9334.6	9095.5	8856.4	8809.8	8763.2	8715.9	8669.3	9107.5	9545.0	9983.3	10420.8
57.5°	9897.4	9585.7	9274.7	9201.4	9128.1	9054.9	8981.6	9453.8	9926.7	10398.9	10871.0
60°	10147.8	9944.6	9742.2	9652.3	9562.4	9472.5	9382.5	9784.8	10187.1	10588.7	10990.9
62.5°	10021.2	9870.7	9720.9	9741.5	9762.2	9782.8	9803.5	10033.2	10263.7	10493.4	10723.2
65°	9487.8	9451.8	9416.5	9583.0	9749.5	9916.0	10082.5	10085.8	10089.2	10092.5	10095.8
67.5°	8591.3	8539.4	8487.4	8833.8	9179.4	9525.7	9872.0	9707.5	9543.0	9379.2	9214.7
70°	7179.4	7203.4	7226.7	7698.2	8169.1	8640.6	9112.1	8873.7	8634.6	8396.2	8157.1
72.5°	5491.8	5646.3	5800.2	6289.0	6777.8	7266.7	7755.5	7483.1	7210.1	6937.7	6664.6
75°	4017.3	4161.1	4305.0	4787.8	5270.7	5754.2	6237.0	5913.4	5589.7	5266.7	4943.0
77.5°	2997.6	3053.6	3108.9	3510.5	3911.4	4313.0	4713.9	4388.9	4063.9	3739.6	3414.6
80°	2390.9	2351.0	2311.7	2534.1	2756.6	2979.0	3201.4	2971.0	2739.9	2509.5	2279.0
82.5°	1962.7	1897.4	1832.8	1915.4	1998.0	2081.2	2163.8	1979.3	1794.9	1610.4	1425.9
85°	1399.9	1372.6	1345.3	1369.3	1392.6	1416.6	1440.5	1260.7	1080.9	901.8	721.9
87.5°	535.5	568.8	602.1	640.0	677.3	715.3	752.6	589.4	426.2	263.7	100.6
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: P597126
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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597126
 CATALOG NUMBER: MSA-SA4B-835-U-SLR

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1447.2	1447.2
2.5°	1906.1	1938.0
5°	2328.3	2327.7
7.5°	2460.9	2449.5
10°	2345.0	2315.7
12.5°	2510.8	2423.6
15°	2614.7	2527.5
17.5°	3038.9	2907.1
20°	3527.1	3369.9
22.5°	4159.8	3920.7
25°	4644.7	4358.3
27.5°	4953.7	4783.2
30°	5337.3	5142.1
32.5°	5812.1	5667.6
35°	6414.9	6282.3
37.5°	7470.5	7428.5
40°	8111.2	8060.5
42.5°	8901.7	8903.0
45°	9386.5	9416.5
47.5°	9672.3	9747.5
50°	9900.0	10061.2
52.5°	10225.7	10446.1
55°	10713.9	11006.2
57.5°	11120.1	11369.2
60°	11120.1	11248.7
62.5°	10719.9	10715.9
65°	10033.9	9971.3
67.5°	9136.1	9057.5
70°	8034.6	7911.4
72.5°	6512.1	6358.9
75°	4733.2	4522.8
77.5°	3314.7	3214.1
80°	2327.7	2376.3
82.5°	1495.2	1564.4
85°	711.3	700.6
87.5°	83.9	67.3
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0



REPORT NUMBER: P597126
CATALOG NUMBER: MSA-SA4B-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)