

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: P596400

Luminaire Tested: **MSA-SA4A-722-U-SLR**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P596400
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-24)
Test Lab: INNOVATIONS CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: MSA-SA4A-722-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: 9763 lumens
Efficiency: N/A
Efficacy: 75.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

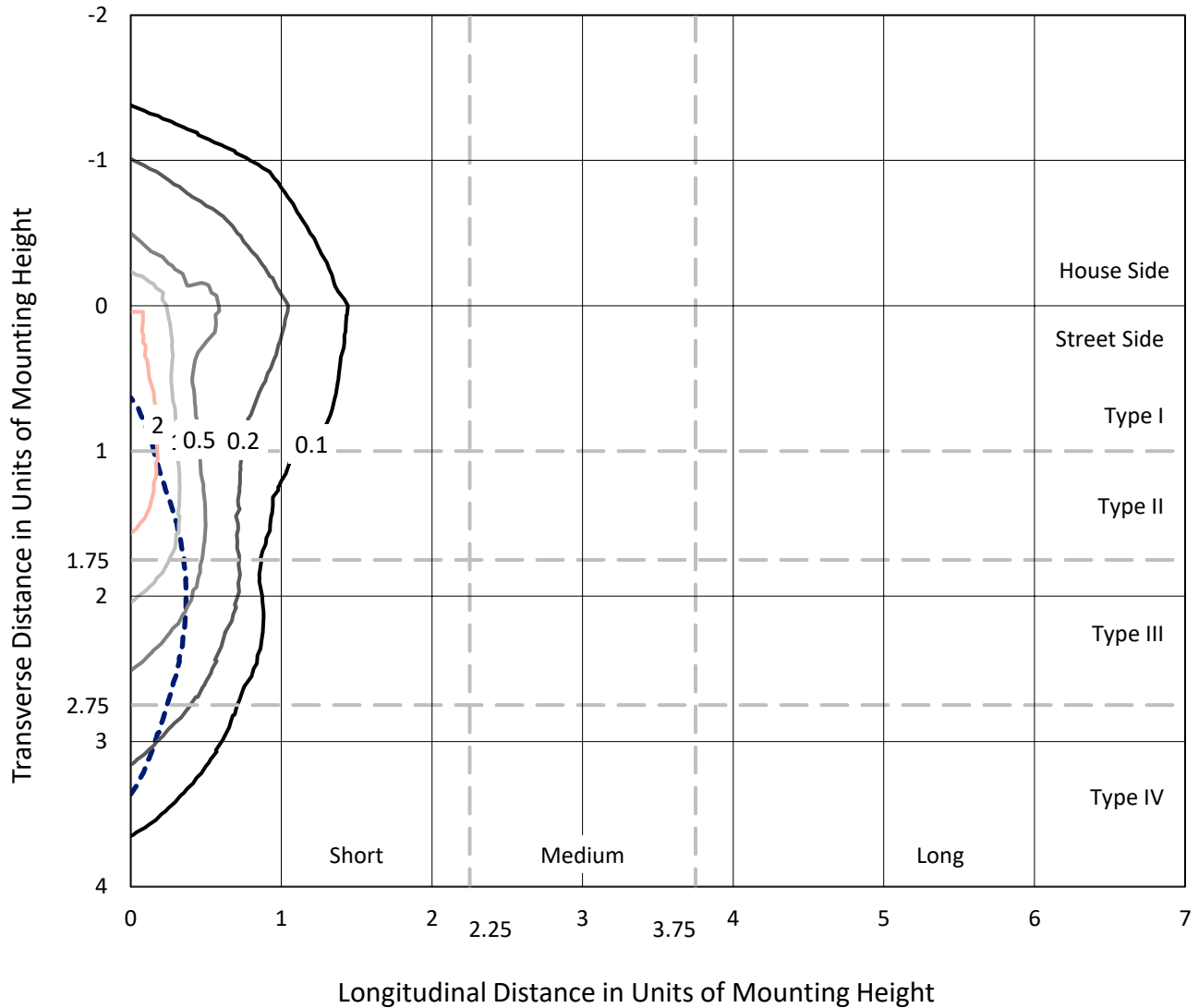
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

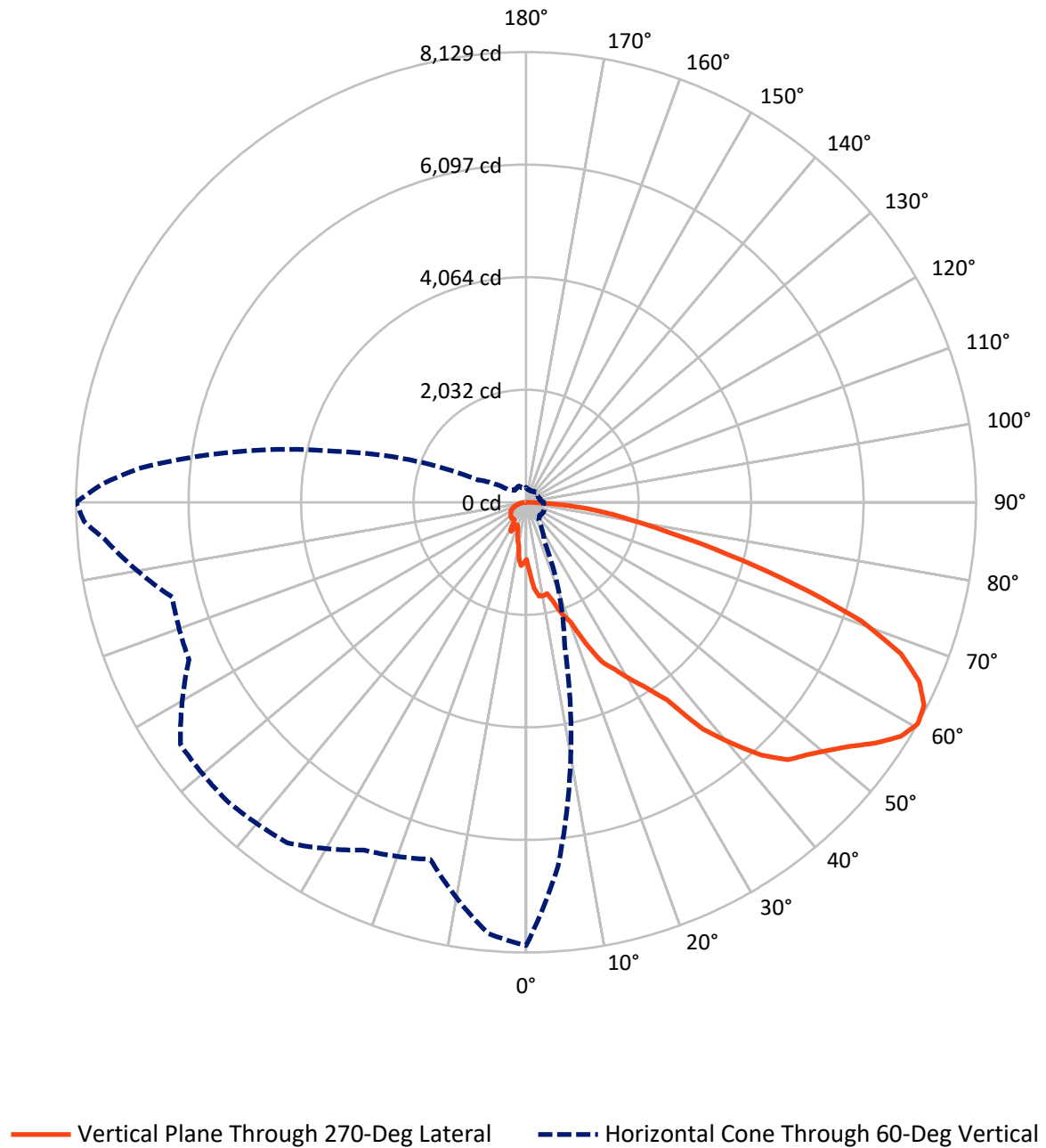
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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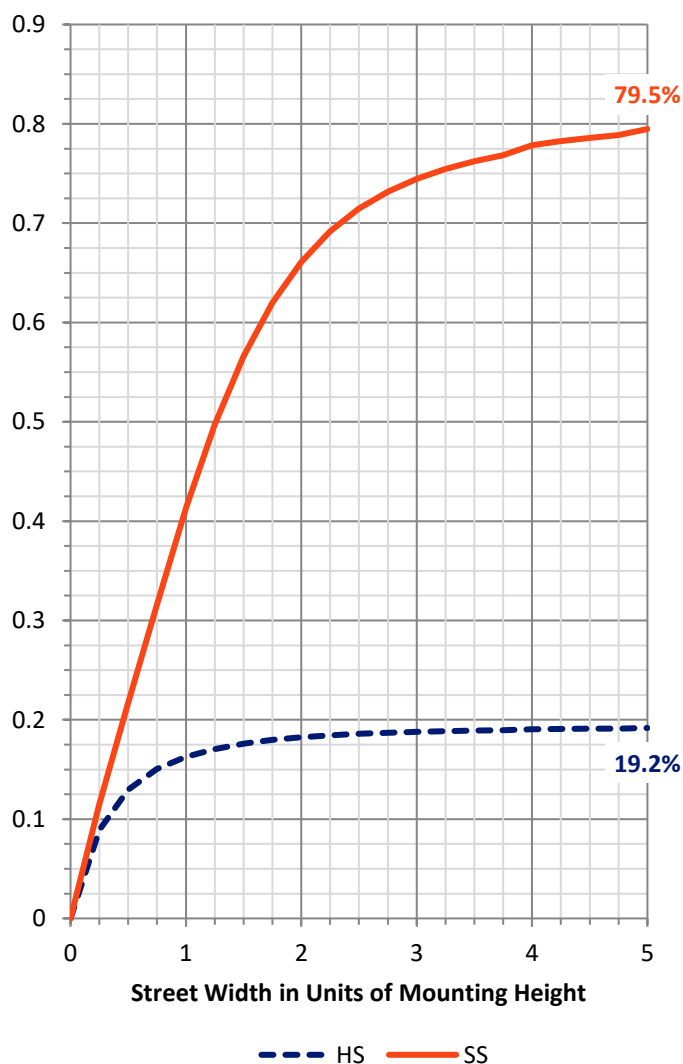
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1890.9	0.0	1890.9
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	7872.1	0.0	7872.1
	% Fixture	80.6	0.0	80.6
Total	Lumens	9763.0	0.0	9763.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.0	1.2
10°-20°	343.0	3.5
20°-30°	605.6	6.2
30°-40°	943.2	9.7
40°-50°	1552.8	15.9
50°-60°	2216.4	22.7
60°-70°	2350.1	24.1
70°-80°	1298.0	13.3
80°-90°	335.8	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°	9763.0	100.0
0°-180°	9763.0	100.0

Coefficient of Utilization



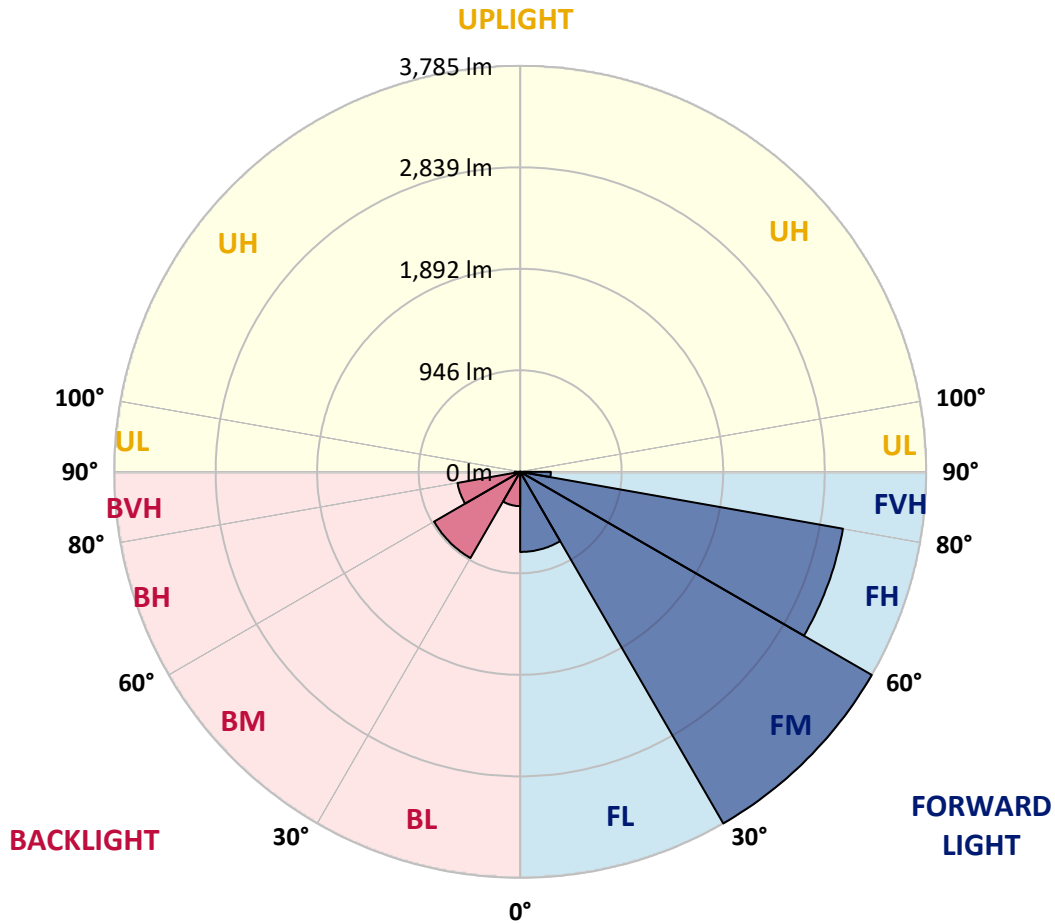
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	747.0	7.7			
FM (30°-60°)	3784.8	38.8			
FH (60°-80°)	3054.9	31.3			G2/5000
FVH (80°-90°)	285.4	2.9			G3/500
BL (0°-30°)	319.6	3.3	B1/500		
BM (30°-60°)	927.5	9.5	B1/1000		
BH (60°-80°)	593.3	6.1	B2/1000		G2/1000
BVH (80°-90°)	50.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7
2.5°	1379.0	1387.5	1395.6	1379.5	1363.4	1346.8	1330.7	1306.5	1281.8	1257.7	1233.0
5°	1656.2	1624.9	1593.2	1580.4	1568.1	1555.3	1542.5	1530.6	1518.8	1506.5	1494.6
7.5°	1742.9	1698.4	1653.4	1634.4	1615.5	1596.0	1577.1	1534.4	1491.8	1448.7	1406.0
10°	1647.7	1601.2	1554.3	1535.8	1516.9	1498.4	1479.5	1427.3	1375.7	1323.5	1271.4
12.5°	1724.5	1677.1	1629.2	1570.4	1511.7	1452.4	1393.7	1364.8	1335.9	1306.5	1277.6
15°	1798.4	1734.4	1670.0	1611.2	1552.4	1493.2	1434.4	1376.6	1318.8	1261.0	1203.2
17.5°	2068.5	1961.9	1855.2	1749.1	1642.5	1536.3	1429.7	1362.9	1295.6	1228.8	1161.5
20°	2397.8	2249.5	2100.7	1939.6	1778.0	1616.9	1455.3	1370.9	1287.1	1202.7	1118.4
22.5°	2789.7	2602.6	2415.4	2212.1	2008.8	1805.0	1601.7	1479.5	1357.2	1234.5	1112.2
25°	3101.1	2921.0	2740.9	2483.1	2225.3	1967.6	1709.8	1570.9	1432.1	1292.7	1153.9
27.5°	3403.4	3116.7	2829.5	2534.3	2239.6	1944.3	1649.1	1520.7	1392.3	1263.8	1135.4
30°	3658.8	3431.4	3203.9	2818.6	2433.4	2047.6	1662.4	1504.6	1346.8	1189.0	1031.2
32.5°	4032.7	3708.1	3383.0	2981.2	2579.3	2177.5	1775.6	1573.8	1371.9	1170.0	968.1
35°	4470.1	4132.7	3795.3	3298.2	2801.6	2304.5	1807.4	1593.7	1379.5	1165.7	951.6
37.5°	5285.7	4690.9	4095.7	3553.2	3010.6	2467.5	1924.9	1676.6	1428.3	1179.5	931.2
40°	5735.4	5185.7	4636.0	3959.7	3283.5	2606.8	1930.6	1676.6	1422.1	1168.1	913.6
42.5°	6334.8	5639.7	4944.0	4212.8	3482.1	2750.9	2019.7	1738.2	1456.7	1174.7	893.3
45°	6700.2	5925.4	5150.1	4368.7	3587.3	2805.8	2024.4	1738.7	1452.9	1167.2	881.4
47.5°	6935.7	6191.7	5447.3	4606.1	3765.0	2923.4	2082.2	1778.9	1475.2	1171.9	868.1
50°	7158.9	6422.0	5684.7	4811.3	3938.4	3065.1	2191.7	1860.5	1529.2	1197.5	866.3
52.5°	7432.8	6754.2	6075.1	5138.3	4200.9	3264.1	2326.8	1966.1	1605.5	1244.9	884.3
55°	7831.3	7162.7	6493.6	5488.0	4482.0	3476.4	2470.3	2069.9	1670.0	1269.5	869.1
57.5°	8089.6	7411.5	6733.4	5707.9	4682.4	3656.5	2631.0	2187.4	1743.9	1299.9	856.3
60°	8003.8	7304.4	6604.5	5626.9	4649.2	3671.6	2694.0	2214.9	1736.3	1257.2	778.1
62.5°	7624.7	6881.2	6137.7	5262.0	4386.7	3511.0	2635.2	2148.1	1661.4	1174.3	687.1
65°	7094.9	6326.3	5557.2	4767.2	3977.3	3187.3	2397.4	1955.2	1512.6	1070.5	627.9
67.5°	6444.8	5643.4	4841.6	4142.2	3442.7	2742.8	2043.4	1673.7	1304.6	935.0	565.3
70°	5629.2	4841.6	4054.0	3448.9	2843.8	2238.6	1633.5	1355.3	1077.6	799.4	521.3
72.5°	4524.6	3845.1	3165.5	2689.3	2213.0	1736.8	1260.5	1067.2	874.3	681.0	487.6
75°	3218.1	2818.6	2419.2	2048.6	1678.0	1307.0	936.4	811.3	686.2	561.1	436.0
77.5°	2286.9	2051.4	1815.9	1525.4	1234.9	944.4	654.0	580.5	507.5	434.1	360.6
80°	1690.8	1494.1	1297.5	1078.6	859.6	640.7	421.8	385.7	350.2	314.2	278.2
82.5°	1113.1	1024.5	935.4	762.0	588.6	415.1	241.7	228.4	215.1	201.9	188.6
85°	498.5	526.5	554.0	447.8	341.2	235.0	128.4	122.3	116.1	109.9	103.8
87.5°	47.9	70.6	93.4	80.1	66.3	53.1	39.3	38.9	38.9	38.4	37.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7
2.5°	1239.7	1246.3	1252.9	1259.6	1252.5	1245.4	1237.8	1230.7	1221.7	1212.7	1203.2
5°	1474.7	1454.3	1434.4	1414.1	1383.7	1353.4	1322.6	1292.3	1288.5	1284.2	1280.4
7.5°	1368.6	1331.6	1294.2	1256.7	1209.3	1162.4	1115.0	1067.7	1053.4	1039.2	1025.0
10°	1246.3	1220.7	1195.6	1170.0	1140.6	1111.2	1081.4	1052.0	1013.2	973.8	935.0
12.5°	1235.9	1194.2	1152.0	1110.3	1092.3	1074.3	1056.3	1038.3	1004.2	970.0	935.4
15°	1169.5	1135.4	1101.8	1067.7	1041.6	1015.5	989.5	963.4	935.9	908.0	880.5
17.5°	1122.6	1083.8	1044.9	1006.0	976.2	946.3	916.0	886.2	853.0	819.3	786.2
20°	1073.8	1029.7	985.2	940.7	902.7	865.3	827.4	789.5	753.0	717.0	680.5
22.5°	1053.9	995.6	937.3	879.0	839.2	799.0	759.2	718.9	685.2	651.6	617.9
25°	1084.2	1015.1	945.4	875.7	822.2	768.2	714.6	660.6	632.6	604.7	576.2
27.5°	1048.7	961.5	874.8	787.6	730.2	672.4	615.1	557.3	553.0	548.8	544.0
30°	939.7	848.2	756.8	665.3	612.7	559.7	507.1	454.0	444.0	433.6	423.6
32.5°	874.8	781.4	688.1	594.7	547.8	500.4	453.5	406.1	394.7	383.4	372.0
35°	850.1	748.7	647.3	545.9	505.6	465.4	425.1	384.8	376.7	369.2	361.1
37.5°	830.2	729.8	628.8	527.9	489.0	450.2	410.9	372.0	365.8	359.7	353.5
40°	811.3	709.4	607.0	504.7	470.1	436.0	401.4	366.8	363.0	359.2	354.9
42.5°	794.2	695.2	595.7	496.6	465.8	435.5	404.7	373.9	370.1	366.3	362.5
45°	784.7	688.1	591.4	494.7	472.5	450.2	427.4	405.2	396.2	387.2	377.7
47.5°	777.6	687.1	596.6	506.1	482.9	459.7	436.4	413.2	405.2	397.1	388.6
50°	779.1	692.3	605.1	518.0	490.0	461.6	433.6	405.2	404.2	403.3	402.3
52.5°	791.9	699.9	607.5	515.1	484.8	454.5	423.6	393.3	399.5	405.2	411.3
55°	773.4	677.6	581.5	485.7	456.8	428.4	399.5	370.6	378.6	386.2	394.3
57.5°	752.5	648.7	545.0	441.2	419.4	397.6	375.3	353.5	362.0	371.0	379.6
60°	683.3	588.6	493.8	399.0	384.3	369.6	354.9	340.2	344.0	347.8	351.6
62.5°	607.5	527.4	447.8	367.7	356.4	344.5	333.1	321.3	321.3	321.8	321.8
65°	559.2	490.5	421.8	353.0	340.2	327.5	314.2	301.4	299.5	297.6	295.7
67.5°	510.8	456.8	402.3	347.8	329.3	311.3	292.9	274.4	272.0	270.1	267.7
70°	472.9	424.6	376.3	327.9	307.1	286.7	265.8	245.0	243.1	241.7	239.8
72.5°	442.1	397.1	351.6	306.1	284.3	262.1	240.3	218.0	216.6	215.1	213.2
75°	395.7	355.9	315.6	275.3	254.0	233.1	211.8	190.5	188.6	187.2	185.3
77.5°	327.5	293.8	260.6	227.0	210.4	194.3	177.7	161.1	160.2	159.2	157.8
80°	252.1	226.0	199.5	173.4	162.5	151.2	140.3	128.9	128.4	127.9	127.0
82.5°	173.0	157.3	141.7	126.1	118.0	109.5	101.4	92.9	93.4	93.8	94.3
85°	98.6	92.9	87.7	82.0	75.3	69.2	62.6	55.9	57.3	58.8	59.7
87.5°	36.0	34.1	32.2	30.3	27.0	24.2	20.9	17.5	18.5	19.9	20.9
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: P596400
 CATALOG NUMBER: MSA-SA4A-722-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: P596400
 CATALOG NUMBER: MSA-SA4A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7
2.5°	1194.2	1180.0	1165.7	1151.5	1137.3	1107.9	1079.0	1049.6	1020.3	1038.3	1056.8
5°	1276.2	1252.0	1227.4	1203.2	1178.5	1164.8	1151.1	1137.3	1123.6	1130.7	1138.3
7.5°	1010.8	996.6	981.9	967.7	953.0	946.8	941.1	935.0	928.8	946.3	963.9
10°	895.6	875.7	855.8	835.5	815.5	803.7	791.9	780.0	768.2	772.9	777.6
12.5°	901.3	871.9	842.6	813.2	783.8	766.3	748.7	731.2	713.7	717.9	722.2
15°	852.5	822.2	791.9	761.5	731.2	710.8	690.0	669.6	648.7	641.6	634.1
17.5°	752.5	719.4	686.2	653.0	619.8	606.1	592.4	578.6	564.9	557.3	549.7
20°	644.0	613.2	582.4	551.6	520.8	511.3	501.8	491.9	482.4	477.7	472.5
22.5°	584.3	565.3	545.9	527.0	507.5	496.6	486.2	475.3	464.4	459.2	453.5
25°	548.3	552.1	556.3	560.1	563.9	559.2	554.0	549.2	544.0	545.9	547.3
27.5°	539.7	547.8	556.3	564.4	572.4	576.7	581.0	585.2	589.5	590.9	592.4
30°	413.2	417.5	421.3	425.5	429.3	441.2	453.0	464.4	476.2	494.7	513.7
32.5°	360.6	359.2	357.8	355.9	354.5	357.3	360.1	362.5	365.4	372.0	379.1
35°	353.0	349.7	345.9	342.6	338.8	340.2	341.7	343.1	344.5	349.7	354.9
37.5°	347.4	345.9	345.0	343.6	342.1	345.5	348.3	351.6	354.5	358.7	363.0
40°	351.1	350.7	350.2	349.2	348.8	350.7	352.6	354.5	356.4	362.0	367.7
42.5°	358.7	358.7	358.3	358.3	357.8	359.7	361.1	363.0	364.4	367.7	371.0
45°	368.7	367.7	367.3	366.3	365.4	364.9	364.9	364.4	363.9	365.8	368.2
47.5°	380.5	377.2	373.4	370.1	366.3	365.4	363.9	363.0	361.6	362.5	363.5
50°	401.4	392.4	383.8	374.8	365.8	363.5	361.1	358.7	356.4	355.9	355.9
52.5°	417.0	403.7	390.5	377.2	363.9	359.7	355.4	351.1	346.9	345.9	345.5
55°	401.9	391.9	382.4	372.5	362.5	356.4	349.7	343.6	336.9	335.5	334.1
57.5°	388.1	381.9	375.8	369.6	363.5	357.3	350.7	344.5	337.9	334.6	331.2
60°	355.4	355.4	355.9	355.9	355.9	349.2	342.6	336.0	329.3	326.0	323.2
62.5°	321.8	327.0	331.7	336.9	341.7	332.7	323.2	314.2	304.7	302.3	300.4
65°	293.8	295.2	297.1	298.5	300.0	292.9	285.7	278.6	271.5	270.1	268.2
67.5°	265.4	264.9	264.4	263.5	263.0	258.7	254.0	249.7	245.0	243.1	241.2
70°	237.9	237.4	236.9	236.0	235.5	231.7	227.9	224.1	220.4	218.9	217.5
72.5°	211.8	211.4	210.4	209.9	209.0	205.7	202.8	199.5	196.2	194.3	192.4
75°	183.4	182.4	181.5	180.5	179.6	176.8	173.9	170.6	167.8	165.9	164.0
77.5°	156.9	155.4	154.0	152.1	150.7	148.3	145.5	143.1	140.3	137.9	136.0
80°	126.5	125.6	124.6	123.2	122.3	119.9	117.5	114.7	112.3	109.5	107.1
82.5°	94.8	94.3	93.4	92.9	91.9	89.6	87.2	84.8	82.5	79.6	76.8
85°	61.1	60.7	60.2	59.7	59.2	57.3	55.9	54.0	52.1	49.3	46.9
87.5°	21.8	20.9	20.4	19.4	18.5	18.0	17.1	16.6	15.6	14.2	12.8
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: P596400
 CATALOG NUMBER: MSA-SA4A-722-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: P596400

CATALOG NUMBER: MSA-SA4A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7
2.5°	1074.8	1092.8	1093.2	1093.2	1101.8	1109.8	1093.2	1076.7	1059.6	1043.0	1026.4
5°	1145.4	1152.5	1150.6	1148.2	1137.8	1127.4	1116.5	1105.6	1094.7	1083.8	1084.2
7.5°	981.4	998.9	1013.2	1026.9	1013.6	1000.4	993.3	986.1	979.0	971.9	971.0
10°	781.9	786.6	792.3	797.5	789.5	781.0	795.2	809.4	823.1	837.3	821.7
12.5°	726.5	730.7	720.8	710.3	707.0	703.7	700.4	696.6	693.3	689.5	687.6
15°	626.9	619.4	611.8	603.7	601.8	599.5	597.1	594.2	591.9	589.0	580.5
17.5°	542.1	534.5	521.7	508.5	503.3	497.6	496.2	494.7	492.8	491.4	483.4
20°	467.7	462.5	459.2	455.4	450.2	445.0	439.8	434.5	428.9	423.6	416.1
22.5°	448.3	442.6	438.3	433.6	432.7	431.7	422.2	412.3	402.8	392.8	388.6
25°	549.2	550.6	524.6	498.0	495.7	493.3	476.2	458.7	441.7	424.1	409.4
27.5°	593.3	594.7	593.8	592.8	585.2	577.2	548.3	518.9	490.0	460.6	439.8
30°	532.2	550.6	557.8	564.9	559.7	554.0	523.6	493.8	463.5	433.1	419.4
32.5°	385.7	392.4	404.2	415.6	421.8	427.4	418.0	408.5	399.0	389.5	387.2
35°	359.7	364.9	367.3	369.6	365.8	362.0	354.9	347.8	340.2	333.1	331.7
37.5°	366.8	371.0	375.8	380.5	370.1	359.2	351.1	343.6	335.5	327.5	320.8
40°	373.4	379.1	381.9	384.8	374.4	363.9	354.0	344.5	334.6	324.6	318.0
42.5°	374.4	377.7	382.9	388.1	373.4	358.3	349.2	339.8	330.8	321.3	314.7
45°	370.1	372.0	376.7	381.5	364.4	346.9	338.8	330.3	322.2	313.7	308.0
47.5°	363.9	364.9	368.7	372.0	354.0	335.5	327.9	320.3	312.3	304.7	299.0
50°	355.4	354.9	357.8	360.1	341.7	323.2	315.6	308.5	300.9	293.3	288.6
52.5°	344.5	343.6	346.4	348.8	329.3	309.9	303.3	297.1	290.5	283.9	280.1
55°	332.2	330.8	333.1	335.5	316.6	297.1	291.4	285.3	279.6	273.4	270.1
57.5°	327.5	324.1	325.6	327.0	305.7	284.3	278.6	273.0	267.3	261.6	259.2
60°	319.9	316.6	318.0	318.9	296.2	273.0	267.7	262.1	256.8	251.2	248.8
62.5°	298.1	295.7	297.6	299.5	279.1	258.3	253.5	249.3	244.5	239.8	236.5
65°	266.8	264.9	268.7	272.5	254.9	237.4	234.6	231.7	228.4	225.6	222.2
67.5°	239.3	237.4	241.2	245.0	232.2	219.4	216.6	213.7	210.9	208.0	206.1
70°	216.1	214.7	218.0	221.3	210.4	199.5	196.7	194.3	191.4	188.6	187.2
72.5°	190.0	188.1	192.4	196.2	187.2	177.7	175.3	172.5	170.1	167.3	166.3
75°	162.1	160.2	164.0	167.3	161.1	154.5	152.1	149.7	147.4	145.0	144.5
77.5°	133.6	131.3	135.1	138.4	134.6	130.3	128.4	126.1	124.2	121.8	121.8
80°	104.3	101.4	104.3	106.6	105.2	103.8	102.4	100.5	99.0	97.1	97.6
82.5°	73.9	71.1	72.5	73.9	74.9	75.8	75.8	75.8	75.8	75.8	75.8
85°	44.1	41.2	41.7	42.2	43.6	45.0	45.5	46.0	46.4	46.9	47.4
87.5°	11.4	10.0	9.0	7.6	9.0	10.0	10.9	11.4	12.3	12.8	12.8
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: P596400
 CATALOG NUMBER: MSA-SA4A-722-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: P596400

CATALOG NUMBER: MSA-SA4A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7
2.5°	1009.8	992.8	976.2	986.6	996.6	1007.0	1016.9	1017.4	1017.4	1017.9	1017.9
5°	1085.2	1085.7	1086.1	1076.2	1066.7	1056.8	1046.8	1041.6	1036.4	1030.7	1025.5
7.5°	969.6	968.6	967.2	957.7	948.2	938.8	929.3	906.5	883.3	860.6	837.3
10°	805.6	790.0	773.8	770.1	766.7	762.9	759.2	753.0	747.3	741.1	735.0
12.5°	685.7	683.8	681.9	672.0	662.0	651.6	641.6	641.6	641.6	641.6	641.6
15°	571.5	563.0	554.0	549.2	544.0	539.3	534.1	531.7	529.3	527.0	524.6
17.5°	474.8	466.8	458.2	457.3	456.3	455.4	454.5	452.1	449.7	447.3	445.0
20°	408.5	400.9	393.3	396.2	399.0	401.4	404.2	401.9	399.5	396.6	394.3
22.5°	383.8	379.6	374.8	372.5	370.1	367.3	364.9	364.9	365.4	365.4	365.4
25°	395.2	380.5	365.8	358.7	351.6	344.0	336.9	334.1	331.7	328.9	326.0
27.5°	418.9	397.6	376.7	364.4	352.1	339.8	327.5	322.2	316.6	311.3	305.7
30°	405.2	391.4	377.2	363.0	348.8	334.6	320.3	313.7	307.1	300.0	293.3
32.5°	384.8	381.9	379.6	366.3	353.0	339.3	326.0	323.2	320.8	318.0	315.1
35°	329.8	328.4	326.5	323.2	319.9	316.6	313.2	309.4	305.7	301.9	298.1
37.5°	314.7	308.0	301.4	300.0	298.5	297.1	295.7	294.3	292.9	291.0	289.5
40°	311.3	304.7	298.1	295.7	293.3	290.5	288.1	288.6	289.5	290.0	290.5
42.5°	307.5	300.9	293.8	291.9	290.0	288.1	286.2	286.7	287.6	288.1	288.6
45°	302.8	297.1	291.4	288.1	285.3	282.0	278.6	281.5	284.3	286.7	289.5
47.5°	293.3	287.2	281.5	279.6	277.7	275.3	273.4	276.3	279.1	281.5	284.3
50°	283.4	278.6	273.4	273.0	272.5	271.5	271.1	273.0	274.9	276.7	278.6
52.5°	275.8	272.0	267.7	267.7	267.3	267.3	266.8	268.7	270.6	272.0	273.9
55°	267.3	264.0	260.6	261.1	262.1	262.5	263.0	264.9	267.3	269.2	271.1
57.5°	256.4	254.0	251.2	253.1	254.5	256.4	257.8	259.2	261.1	262.5	264.0
60°	245.9	243.6	240.7	242.6	245.0	246.9	248.8	250.2	251.6	253.1	254.5
62.5°	233.1	229.4	226.0	228.9	231.3	234.1	236.5	237.4	238.8	239.8	240.7
65°	219.4	216.1	212.8	214.7	216.6	218.0	219.9	221.3	222.7	224.1	225.6
67.5°	203.8	201.9	199.5	200.9	202.3	203.8	205.2	205.7	205.7	206.1	206.1
70°	185.3	183.9	182.0	182.9	184.3	185.3	186.2	186.2	186.2	185.8	185.8
72.5°	165.9	164.9	164.0	164.4	165.4	165.9	166.3	165.9	165.4	164.9	164.4
75°	144.1	143.6	143.1	143.6	144.5	145.0	145.5	145.0	144.1	143.6	142.6
77.5°	122.3	122.3	122.3	122.3	122.7	122.7	122.7	121.8	120.8	119.9	118.9
80°	98.1	98.6	99.0	99.0	99.0	99.0	99.0	98.1	97.1	95.7	94.8
82.5°	75.8	75.8	75.8	75.8	76.3	76.3	76.3	73.9	72.0	69.7	67.3
85°	47.4	47.9	47.9	48.3	48.8	48.8	49.3	46.0	43.1	39.8	36.5
87.5°	12.8	12.8	12.8	12.8	12.8	12.3	12.3	9.5	6.2	3.3	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: P596400
 CATALOG NUMBER: MSA-SA4A-722-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: P596400

CATALOG NUMBER: MSA-SA4A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7
2.5°	1020.7	1023.6	1026.0	1028.8	1029.3	1029.7	1029.7	1030.2	1020.3	1010.3	999.9
5°	1032.6	1039.2	1046.3	1053.0	1051.5	1050.1	1048.7	1047.3	1044.4	1042.1	1039.2
7.5°	832.1	827.4	822.2	817.0	821.2	825.5	829.8	834.0	835.9	837.8	839.2
10°	723.1	711.3	699.4	687.6	681.0	673.9	667.2	660.1	659.2	658.7	657.7
12.5°	629.3	616.5	604.2	591.4	587.6	583.3	579.6	575.3	579.1	582.9	586.2
15°	519.4	514.6	509.4	504.2	508.5	512.7	517.0	521.3	525.1	528.4	532.2
17.5°	442.6	440.7	438.3	436.0	439.8	444.0	447.8	451.6	460.1	468.7	477.2
20°	392.4	391.0	389.1	387.2	385.7	383.8	382.4	380.5	392.8	404.7	417.0
22.5°	362.5	359.7	356.8	354.0	354.5	354.9	354.9	355.4	365.4	375.8	385.7
25°	325.1	324.1	323.2	322.2	325.1	327.9	330.3	333.1	342.1	351.1	359.7
27.5°	306.1	306.6	307.1	307.5	311.3	315.6	319.4	323.2	329.3	335.5	341.7
30°	295.7	298.5	300.9	303.3	304.7	306.1	307.5	309.0	315.1	320.8	327.0
32.5°	311.3	307.5	303.3	299.5	301.4	303.8	305.7	307.5	313.2	318.9	324.6
35°	296.6	294.8	293.3	291.4	293.8	296.2	298.1	300.4	305.7	310.4	315.6
37.5°	289.1	288.6	288.1	287.6	289.1	290.5	291.4	292.9	297.6	302.3	306.6
40°	288.6	286.2	284.3	282.0	283.4	284.8	285.7	287.2	292.9	298.5	304.2
42.5°	285.7	282.9	279.6	276.7	278.2	280.1	281.5	282.9	289.1	294.8	300.9
45°	285.3	281.0	276.3	272.0	273.9	275.8	277.7	279.6	284.3	289.1	293.3
47.5°	280.1	275.8	271.5	267.3	268.2	269.2	269.6	270.6	274.9	278.6	282.9
50°	275.8	272.5	269.6	266.3	264.9	264.0	262.5	261.1	264.4	267.7	271.1
52.5°	270.6	267.3	263.5	260.2	258.3	256.4	254.5	252.6	255.4	257.8	260.6
55°	267.3	263.0	259.2	254.9	252.6	250.2	247.8	245.5	247.4	248.8	250.7
57.5°	260.2	256.4	252.1	248.3	245.5	242.6	239.3	236.5	237.4	238.4	239.3
60°	250.7	246.4	242.6	238.4	235.0	231.7	227.9	224.6	225.1	226.0	226.5
62.5°	236.9	233.1	228.9	225.1	221.3	218.0	214.2	210.4	211.4	211.8	212.8
65°	221.8	217.5	213.7	209.5	206.1	202.8	199.0	195.7	196.7	197.6	198.1
67.5°	203.3	200.0	197.1	193.8	191.0	187.7	184.8	181.5	182.0	182.4	182.9
70°	183.4	180.5	178.2	175.3	173.0	170.6	168.2	165.9	165.9	166.3	166.3
72.5°	162.1	159.7	157.3	155.0	152.6	150.7	148.3	146.0	146.9	147.9	148.3
75°	140.3	138.4	136.0	133.6	131.7	129.8	127.5	125.6	126.5	127.5	127.9
77.5°	117.5	116.1	114.2	112.8	110.9	109.0	106.6	104.7	105.7	106.6	107.1
80°	93.8	92.9	91.5	90.5	88.6	86.7	84.8	82.9	83.4	83.4	83.9
82.5°	67.8	68.2	68.2	68.7	67.3	65.4	64.0	62.1	62.1	62.1	61.6
85°	37.9	39.8	41.2	42.6	41.2	39.8	38.4	37.0	36.5	36.5	36.0
87.5°	1.4	2.4	3.8	4.7	4.3	3.8	2.8	2.4	2.8	3.3	3.3
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: P596400
 CATALOG NUMBER: MSA-SA4A-722-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: P596400

CATALOG NUMBER: MSA-SA4A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7
2.5°	989.9	998.0	1006.0	1014.1	1022.2	1034.5	1046.8	1059.6	1072.4	1065.3	1057.7
5°	1036.4	1041.1	1046.3	1051.1	1055.8	1069.5	1082.8	1099.4	1115.5	1113.6	1111.2
7.5°	841.1	847.8	854.4	860.6	867.2	888.1	908.9	926.4	944.0	941.6	938.8
10°	656.8	670.5	684.8	698.5	712.2	729.3	745.9	760.6	775.3	799.9	824.1
12.5°	590.0	611.3	632.6	654.0	675.3	687.6	699.4	718.4	737.4	750.6	764.4
15°	535.5	555.4	575.3	595.2	615.1	616.0	617.0	636.9	656.8	668.2	679.1
17.5°	485.7	496.6	507.5	518.0	528.9	525.1	521.3	530.7	539.7	544.5	549.7
20°	428.9	436.4	444.0	451.6	459.2	464.4	469.1	474.8	480.0	475.3	470.1
22.5°	395.7	407.1	418.9	430.3	441.7	445.0	447.8	444.5	441.2	439.8	438.3
25°	368.7	382.4	396.6	410.4	424.1	430.8	437.4	440.2	442.6	437.4	432.2
27.5°	347.8	364.4	380.5	397.1	413.2	425.1	436.9	440.2	443.1	439.3	435.0
30°	332.7	350.7	368.7	386.7	404.7	422.7	440.2	455.9	471.0	469.6	468.2
32.5°	330.3	342.6	354.9	367.3	379.6	391.0	401.9	402.8	403.3	399.5	395.2
35°	320.3	328.4	336.5	344.5	352.6	359.7	366.3	365.4	364.4	360.6	356.8
37.5°	311.3	319.4	327.9	336.0	344.0	356.4	368.2	365.8	363.0	359.2	355.4
40°	309.9	318.9	327.9	336.5	345.5	356.8	368.2	365.8	363.5	358.7	354.0
42.5°	306.6	315.6	324.1	333.1	341.7	355.4	368.7	364.4	359.7	355.9	352.1
45°	298.1	306.1	314.2	322.2	330.3	345.0	359.7	354.5	349.2	347.8	345.9
47.5°	286.7	294.8	302.8	310.9	318.9	333.6	347.8	343.6	338.8	338.4	337.4
50°	274.4	282.0	290.0	297.6	305.2	319.9	334.1	330.3	326.5	327.0	327.0
52.5°	263.0	270.1	276.7	283.9	290.5	305.2	319.4	316.6	313.2	314.2	314.7
55°	252.1	257.8	263.5	269.2	274.9	289.1	303.3	299.0	294.8	296.2	297.6
57.5°	240.3	245.0	249.7	254.0	258.7	273.0	286.7	282.0	276.7	279.1	281.0
60°	227.0	231.3	235.5	239.3	243.6	256.4	268.7	264.4	259.7	263.0	265.8
62.5°	213.2	216.6	219.9	223.2	226.5	238.4	250.2	246.9	243.6	247.4	250.7
65°	199.0	201.4	204.2	206.6	209.0	220.4	231.3	228.9	226.5	229.8	233.1
67.5°	183.4	185.3	187.7	189.6	191.4	201.9	212.3	209.9	207.1	209.9	212.3
70°	166.3	168.2	169.6	171.5	173.0	182.4	191.9	188.6	184.8	187.7	190.0
72.5°	149.3	150.2	151.6	152.6	153.5	160.6	167.8	164.9	162.1	164.9	167.3
75°	128.9	129.8	130.8	131.7	132.7	138.8	144.5	141.2	137.4	140.3	143.1
77.5°	108.0	108.5	109.5	109.9	110.4	114.7	118.5	115.2	111.4	114.7	118.0
80°	83.9	84.4	84.8	84.8	85.3	86.7	88.1	85.8	82.9	87.2	91.5
82.5°	61.6	61.1	61.1	60.7	60.2	60.2	59.7	58.3	56.4	60.2	64.0
85°	35.5	35.1	34.1	33.6	32.7	31.3	29.9	29.4	28.9	32.2	35.5
87.5°	3.8	3.3	2.4	1.9	0.9	0.5	0.0	0.0	0.0	1.9	4.3
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: P596400
 CATALOG NUMBER: MSA-SA4A-722-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: P596400

CATALOG NUMBER: MSA-SA4A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7
2.5°	1050.6	1043.0	1035.9	1028.8	1021.7	1014.6	1027.8	1041.1	1054.4	1067.7	1079.5
5°	1109.4	1107.0	1100.8	1095.1	1089.0	1082.8	1086.1	1089.9	1093.2	1096.6	1103.7
7.5°	936.4	933.5	946.8	959.6	972.9	985.7	989.0	991.8	995.1	998.0	996.1
10°	848.7	872.9	879.0	884.7	890.9	896.6	906.1	915.5	924.5	934.0	939.2
12.5°	777.6	790.9	812.7	835.0	856.8	878.6	892.8	907.0	921.2	935.4	964.8
15°	690.4	701.3	717.9	734.5	751.1	767.7	788.1	808.9	829.3	849.7	881.9
17.5°	554.4	559.2	571.5	583.8	595.7	608.0	635.5	662.5	690.0	717.0	753.9
20°	465.4	460.1	460.1	460.6	460.6	460.6	488.1	515.1	542.6	569.6	618.4
22.5°	436.4	435.0	429.8	424.1	418.9	413.2	427.4	442.1	456.3	470.6	510.4
25°	426.5	421.3	414.6	408.0	401.4	394.7	403.7	412.7	421.8	430.8	462.0
27.5°	431.2	427.0	430.3	433.1	436.4	439.3	442.1	445.0	447.8	450.7	461.6
30°	466.8	465.4	470.6	475.3	480.5	485.3	478.6	472.5	465.8	459.2	463.0
32.5°	391.4	387.2	385.3	383.4	381.5	379.6	379.1	378.6	377.7	377.2	385.7
35°	353.0	349.2	346.4	343.6	340.2	337.4	338.8	339.8	341.2	342.1	351.6
37.5°	351.6	347.8	344.5	341.2	337.4	334.1	335.5	337.4	338.8	340.2	347.4
40°	349.2	344.5	342.6	340.7	338.8	336.9	337.9	338.8	339.3	340.2	345.5
42.5°	347.8	344.0	343.1	342.1	341.2	340.2	341.2	342.1	342.6	343.6	349.7
45°	344.5	342.6	343.6	344.5	345.5	346.4	346.4	346.4	346.4	346.4	353.0
47.5°	336.9	336.0	338.8	341.7	344.5	347.4	352.1	356.8	361.1	365.8	367.3
50°	327.5	327.5	332.2	336.9	341.2	345.9	357.3	368.2	379.6	390.5	383.4
52.5°	315.6	316.1	323.2	329.8	336.9	343.6	354.0	364.4	374.4	384.8	374.4
55°	298.5	300.0	309.0	317.5	326.5	335.0	343.1	351.1	359.2	367.3	356.4
57.5°	283.4	285.3	294.8	303.8	313.2	322.2	327.0	332.2	336.9	341.7	334.6
60°	269.2	272.0	284.3	296.6	308.5	320.8	317.0	313.2	309.0	305.2	304.7
62.5°	254.5	257.8	269.2	280.5	291.4	302.8	297.1	291.4	285.3	279.6	282.0
65°	236.0	239.3	244.5	249.7	254.5	259.7	259.2	259.2	258.7	258.3	263.0
67.5°	215.1	217.5	220.8	223.7	227.0	229.8	231.7	234.1	236.0	237.9	243.6
70°	192.9	195.2	198.6	201.4	204.7	207.6	209.9	212.3	214.2	216.6	222.2
72.5°	170.1	172.5	175.8	179.1	182.0	185.3	187.2	189.1	190.5	192.4	197.1
75°	146.0	148.8	152.1	155.0	158.3	161.1	162.5	164.0	165.4	166.8	171.1
77.5°	121.3	124.6	127.9	131.3	134.6	137.9	138.4	138.8	139.3	139.8	143.6
80°	95.2	99.5	102.8	106.1	109.5	112.8	112.8	112.8	112.8	112.8	114.7
82.5°	67.8	71.6	75.3	78.7	82.5	85.8	85.8	85.3	85.3	84.8	84.8
85°	38.9	42.2	44.5	47.4	49.8	52.1	52.1	52.1	51.7	51.7	50.7
87.5°	6.2	8.1	9.0	10.4	11.4	12.3	11.8	11.8	11.4	10.9	9.5
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: P596400
 CATALOG NUMBER: MSA-SA4A-722-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: P596400
 CATALOG NUMBER: MSA-SA4A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7
2.5°	1091.3	1103.2	1115.0	1113.1	1111.2	1109.4	1107.5	1114.6	1121.2	1128.3	1134.9
5°	1110.3	1117.4	1124.0	1129.3	1134.5	1139.7	1144.9	1169.1	1192.8	1216.9	1240.6
7.5°	994.2	991.8	989.9	1012.2	1035.0	1057.2	1079.5	1110.3	1141.1	1171.9	1202.7
10°	944.4	949.7	954.9	963.9	973.4	982.4	991.4	1021.7	1052.0	1082.3	1112.7
12.5°	993.7	1023.1	1052.0	1059.1	1066.7	1073.8	1080.9	1087.1	1093.2	1098.9	1105.1
15°	914.1	946.3	978.6	997.0	1015.5	1033.5	1052.0	1098.5	1144.4	1190.9	1236.8
17.5°	790.4	827.4	863.9	909.4	954.9	1000.4	1045.9	1088.5	1131.2	1173.3	1216.0
20°	667.2	715.6	764.4	814.1	863.4	913.2	962.5	1004.2	1045.9	1087.1	1128.8
22.5°	549.7	589.5	628.8	689.5	749.7	810.3	870.5	948.2	1025.5	1103.2	1180.4
25°	492.8	524.1	554.9	617.5	680.0	742.1	804.6	905.6	1006.0	1107.0	1207.4
27.5°	472.9	483.8	494.7	551.6	608.0	664.9	721.2	830.2	939.2	1047.7	1156.7
30°	466.8	470.6	474.4	518.9	563.4	608.0	652.5	760.1	868.1	975.7	1083.3
32.5°	393.8	402.3	410.4	454.0	497.1	540.7	583.8	692.3	800.4	908.9	1016.9
35°	361.1	370.6	380.1	422.7	465.4	507.5	550.2	664.4	779.1	893.3	1007.5
37.5°	354.5	361.6	368.7	417.0	465.4	513.7	562.0	677.6	793.3	908.9	1024.5
40°	351.1	356.4	361.6	408.5	455.9	502.8	549.7	671.0	791.9	913.2	1034.0
42.5°	355.4	361.6	367.3	409.9	452.1	494.7	536.9	662.5	787.6	913.2	1038.3
45°	359.2	365.8	372.0	411.8	451.6	491.4	531.2	665.3	799.0	933.1	1066.7
47.5°	368.2	369.6	370.6	405.2	439.3	473.9	508.0	644.5	781.0	917.0	1053.4
50°	375.8	368.7	361.1	397.1	432.7	468.7	504.2	633.6	762.9	891.8	1021.2
52.5°	363.9	353.0	342.6	381.5	420.3	458.7	497.6	626.9	756.8	886.2	1015.5
55°	345.9	335.0	324.1	363.5	402.8	442.1	481.5	610.4	739.7	868.6	997.5
57.5°	327.9	320.8	313.7	345.9	378.6	410.9	443.1	582.9	722.2	862.0	1001.3
60°	304.2	303.3	302.8	327.9	353.5	378.6	403.7	540.7	677.2	814.1	950.6
62.5°	283.9	286.2	288.1	308.5	328.9	348.8	369.2	501.4	634.1	766.3	898.5
65°	268.2	273.0	277.7	300.9	324.1	346.9	370.1	481.0	591.9	702.8	813.7
67.5°	249.3	254.9	260.6	291.0	321.3	351.6	381.9	473.4	564.9	656.3	747.8
70°	227.5	233.1	238.4	277.2	315.6	354.5	392.8	473.9	555.4	636.4	717.5
72.5°	201.9	206.6	211.4	253.1	294.8	336.5	378.2	446.9	515.6	583.8	652.5
75°	175.8	180.1	184.3	220.4	256.4	292.4	328.4	381.5	434.1	487.1	539.7
77.5°	146.9	150.7	154.0	178.2	202.3	226.5	250.7	291.4	331.7	372.5	412.7
80°	116.6	118.5	120.4	134.6	148.3	162.5	176.3	203.3	230.3	256.8	283.9
82.5°	85.3	85.3	85.3	94.3	103.8	112.8	121.8	135.5	148.8	162.5	175.8
85°	49.8	48.3	47.4	53.5	59.7	65.9	72.0	77.7	83.4	89.1	94.8
87.5°	8.1	6.2	4.7	8.5	12.3	16.1	19.9	21.8	24.2	26.1	28.0
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: P596400
 CATALOG NUMBER: MSA-SA4A-722-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: P596400

CATALOG NUMBER: MSA-SA4A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7
2.5°	1118.8	1103.2	1087.1	1071.0	1094.7	1118.4	1142.1	1165.7	1228.8	1266.2	1268.6
5°	1260.5	1280.4	1300.3	1320.2	1340.1	1360.0	1379.5	1399.4	1501.7	1564.8	1576.6
7.5°	1235.4	1268.6	1301.3	1334.0	1390.4	1446.8	1503.1	1559.5	1646.3	1708.8	1750.0
10°	1153.4	1194.2	1234.9	1275.7	1342.5	1409.8	1476.6	1543.4	1635.4	1717.8	1757.1
12.5°	1170.0	1234.9	1299.4	1364.3	1422.1	1480.4	1538.2	1596.0	1659.5	1690.8	1762.4
15°	1281.8	1326.9	1371.9	1416.9	1504.1	1590.8	1678.0	1764.7	1800.7	1872.3	1936.7
17.5°	1298.9	1381.4	1464.3	1546.7	1653.4	1760.0	1866.6	1973.2	2040.1	2132.5	2210.2
20°	1245.8	1362.4	1479.5	1596.0	1733.5	1871.4	2008.8	2146.2	2231.0	2308.7	2429.1
22.5°	1309.3	1438.2	1566.6	1695.5	1878.0	2060.0	2242.4	2424.4	2601.6	2775.0	2856.6
25°	1379.5	1552.0	1724.0	1896.0	2123.9	2351.4	2579.3	2806.8	3034.7	3197.3	3291.1
27.5°	1330.2	1503.1	1676.6	1849.6	2131.5	2413.9	2695.9	2977.9	3221.9	3417.6	3498.2
30°	1295.6	1507.9	1720.2	1932.5	2263.3	2594.0	2924.8	3255.6	3481.1	3699.6	3818.1
32.5°	1289.4	1561.9	1833.9	2106.4	2491.7	2876.5	3261.7	3646.5	3796.3	3990.1	4149.8
35°	1306.5	1606.0	1905.0	2204.0	2645.7	3087.3	3528.5	3970.2	4182.9	4374.9	4514.7
37.5°	1358.6	1692.7	2026.3	2360.4	2892.6	3425.2	3957.4	4489.5	4846.4	5197.5	5260.1
40°	1388.0	1742.5	2096.4	2450.4	3069.3	3688.2	4307.1	4926.0	5336.4	5721.6	5747.7
42.5°	1422.6	1806.9	2190.7	2575.1	3261.2	3947.9	4634.1	5320.3	5828.3	6242.4	6254.7
45°	1462.4	1857.6	2253.3	2648.5	3365.0	4081.1	4797.6	5513.6	6127.7	6631.0	6508.3
47.5°	1478.0	1903.1	2327.7	2752.3	3516.2	4279.6	5043.5	5806.9	6358.1	6815.8	6698.3
50°	1484.2	1947.6	2410.6	2873.6	3665.0	4456.8	5248.2	6039.6	6600.2	7046.6	6866.5
52.5°	1522.6	2029.6	2536.7	3043.7	3868.3	4692.8	5517.4	6341.9	6893.5	7322.4	7098.7
55°	1574.2	2150.9	2727.2	3303.9	4157.4	5010.3	5863.8	6716.8	7270.3	7669.3	7392.1
57.5°	1622.1	2243.3	2864.1	3484.9	4369.2	5253.9	6138.2	7022.4	7583.0	7977.8	7709.1
60°	1598.9	2247.1	2895.4	3543.7	4412.8	5281.4	6150.5	7019.1	7655.5	8128.9	7991.5
62.5°	1528.7	2159.0	2788.8	3419.0	4244.1	5068.6	5893.6	6718.2	7463.1	8070.2	8064.0
65°	1393.7	1973.7	2553.3	3133.3	3896.7	4660.6	5424.0	6187.5	7065.6	7802.9	7850.8
67.5°	1229.2	1710.7	2192.2	2673.6	3392.5	4111.4	4830.3	5549.1	6487.9	7301.5	7342.8
70°	1070.0	1423.1	1775.6	2128.2	2759.4	3390.6	4021.3	4652.6	5600.8	6423.9	6461.8
72.5°	883.3	1114.1	1344.4	1575.2	2086.5	2597.8	3108.7	3620.0	4452.6	5085.7	5299.4
75°	676.7	813.7	950.6	1087.6	1501.3	1915.0	2328.2	2741.9	3295.4	3762.6	4003.3
77.5°	483.8	554.9	626.0	697.1	1048.7	1400.3	1751.5	2103.1	2394.0	2658.9	2821.5
80°	317.5	350.7	384.3	417.5	709.9	1002.3	1294.2	1586.6	1763.8	1905.9	1987.9
82.5°	192.4	209.0	225.1	241.7	478.6	715.6	952.0	1189.0	1290.4	1358.1	1431.1
85°	103.8	112.8	121.8	130.8	282.9	434.5	586.7	738.3	748.3	756.3	864.8
87.5°	30.3	33.2	35.5	37.9	62.6	87.7	112.3	137.0	85.3	53.1	109.0
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: P596400
 CATALOG NUMBER: MSA-SA4A-722-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: P596400

CATALOG NUMBER: MSA-SA4A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7
2.5°	1254.8	1248.7	1242.5	1235.9	1229.7	1203.7	1178.1	1152.0	1125.9	1151.1	1175.7
5°	1562.9	1581.8	1600.3	1619.2	1638.2	1639.6	1640.6	1642.0	1642.9	1647.7	1652.4
7.5°	1784.6	1818.3	1851.5	1885.1	1918.7	1944.8	1970.9	1997.4	2023.5	1999.8	1976.1
10°	1803.6	1874.7	1945.8	2016.8	2087.9	2100.7	2113.0	2125.8	2138.6	2155.7	2172.3
12.5°	1822.5	1909.3	1995.5	2082.2	2169.0	2206.9	2244.3	2282.2	2319.6	2338.1	2356.1
15°	2023.0	2074.2	2124.9	2176.1	2226.8	2252.8	2278.4	2304.5	2330.5	2346.2	2361.3
17.5°	2280.8	2299.7	2318.2	2337.2	2356.1	2373.7	2391.2	2408.7	2426.3	2429.1	2432.0
20°	2515.8	2519.6	2522.9	2526.7	2530.0	2493.1	2456.6	2419.6	2382.7	2389.3	2395.5
22.5°	2868.4	2847.5	2827.2	2806.3	2785.9	2716.3	2647.1	2577.4	2508.2	2478.4	2449.0
25°	3399.1	3346.1	3293.0	3239.9	3186.8	3076.0	2965.5	2854.7	2744.2	2679.3	2614.9
27.5°	3570.2	3454.6	3339.4	3223.8	3108.2	3024.3	2940.9	2857.0	2773.6	2670.8	2568.0
30°	3916.1	3733.7	3551.7	3369.3	3186.8	3105.8	3024.8	2943.3	2862.2	2757.0	2652.3
32.5°	4222.7	4033.2	3843.6	3653.6	3464.1	3310.5	3157.0	3003.5	2849.9	2778.8	2707.8
35°	4577.7	4339.3	4101.0	3862.6	3624.2	3492.5	3361.2	3229.5	3098.2	2990.7	2883.6
37.5°	5094.7	4841.2	4587.6	4333.6	4080.1	3901.9	3724.2	3546.0	3368.3	3309.1	3250.3
40°	5587.5	5288.0	4989.0	4689.5	4390.5	4254.0	4117.5	3980.6	3844.1	3744.1	3644.1
42.5°	6000.3	5704.1	5408.4	5112.2	4816.5	4717.0	4618.0	4518.4	4419.4	4337.0	4254.5
45°	6142.0	5900.3	5659.1	5417.4	5175.7	5140.7	5106.1	5071.0	5036.4	4975.3	4914.1
47.5°	6369.9	6123.5	5877.5	5631.1	5384.7	5397.5	5410.3	5423.6	5436.4	5439.7	5442.5
50°	6504.0	6269.9	6036.3	5802.2	5568.6	5630.6	5692.3	5754.3	5816.4	5957.1	6097.4
52.5°	6699.7	6469.9	6240.5	6010.7	5780.9	5886.1	5990.8	6096.0	6200.7	6397.9	6595.0
55°	6945.2	6725.3	6505.9	6286.0	6066.6	6169.0	6270.9	6373.2	6475.1	6694.5	6913.9
57.5°	7270.7	7035.2	6800.2	6564.7	6329.6	6423.9	6517.8	6612.1	6705.9	6914.4	7122.9
60°	7641.3	7385.4	7129.5	6873.2	6617.3	6643.3	6668.9	6695.0	6720.6	6946.6	7172.2
62.5°	7823.3	7586.4	7349.9	7112.9	6876.0	6803.5	6731.0	6658.0	6585.5	6787.9	6989.7
65°	7665.5	7502.5	7339.9	7176.9	7013.9	6886.0	6758.5	6630.5	6502.6	6629.1	6755.2
67.5°	7163.2	7070.8	6978.8	6886.4	6794.0	6579.4	6364.7	6149.5	5934.9	5943.4	5951.5
70°	6349.0	6324.4	6300.2	6275.6	6251.0	5928.2	5606.0	5283.3	4960.6	4911.3	4862.0
72.5°	5317.4	5333.5	5349.2	5365.3	5381.4	5034.5	4687.6	4340.7	3993.9	3911.9	3829.9
75°	4118.5	4207.6	4296.7	4386.2	4475.3	4143.6	3811.9	3479.7	3148.0	3047.1	2946.1
77.5°	2910.1	3076.4	3242.3	3408.6	3575.0	3275.0	2975.5	2675.5	2375.6	2310.2	2244.8
80°	2029.2	2110.7	2192.2	2273.7	2355.2	2204.5	2053.8	1903.1	1752.4	1770.4	1788.0
82.5°	1478.0	1497.0	1515.5	1534.4	1553.4	1491.8	1430.2	1368.1	1306.5	1353.4	1400.3
85°	946.8	1014.6	1081.9	1149.6	1216.9	1148.7	1080.4	1011.7	943.5	974.8	1006.0
87.5°	211.8	335.0	458.2	581.9	705.1	638.8	572.9	506.6	440.2	410.4	381.0
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: P596400
 CATALOG NUMBER: MSA-SA4A-722-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: P596400

CATALOG NUMBER: MSA-SA4A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7
2.5°	1200.8	1225.9	1218.3	1211.2	1203.7	1196.1	1209.8	1223.6	1237.8	1251.5	1246.8
5°	1657.6	1662.4	1617.4	1572.8	1527.8	1482.8	1510.7	1538.7	1566.6	1594.6	1584.7
7.5°	1952.4	1928.7	1902.6	1876.6	1850.0	1824.0	1818.3	1812.6	1806.4	1800.7	1793.2
10°	2189.3	2205.9	2188.9	2172.3	2155.2	2138.1	2098.3	2058.5	2018.3	1978.5	1961.9
12.5°	2374.6	2393.1	2397.4	2401.2	2405.4	2409.7	2365.1	2321.1	2276.5	2232.0	2191.7
15°	2377.0	2392.6	2406.4	2419.6	2433.4	2446.6	2419.2	2392.1	2364.7	2337.2	2324.4
17.5°	2435.3	2438.1	2426.7	2415.8	2404.5	2393.6	2382.7	2372.2	2361.3	2350.9	2330.5
20°	2402.1	2408.7	2407.3	2405.9	2404.0	2402.6	2403.5	2404.0	2404.9	2405.4	2394.0
22.5°	2419.2	2389.3	2395.5	2401.2	2407.3	2413.0	2430.1	2447.1	2464.7	2481.7	2527.2
25°	2550.0	2485.0	2475.1	2465.6	2455.6	2446.2	2490.7	2534.8	2579.3	2623.9	2697.8
27.5°	2464.7	2361.8	2339.1	2316.3	2293.6	2270.8	2338.6	2405.9	2473.7	2541.4	2616.8
30°	2547.1	2442.4	2392.1	2341.9	2291.2	2241.0	2305.9	2370.3	2435.3	2499.7	2583.1
32.5°	2636.7	2565.6	2531.9	2498.8	2465.1	2432.0	2437.2	2442.4	2447.6	2452.8	2570.3
35°	2776.0	2668.4	2635.2	2602.1	2568.9	2535.7	2591.2	2646.1	2701.6	2756.6	2856.1
37.5°	3191.1	3131.9	3072.2	3012.5	2952.3	2892.6	2925.3	2958.0	2990.7	3023.4	3117.2
40°	3544.2	3444.2	3434.2	3424.7	3414.8	3404.8	3407.7	3410.0	3412.9	3415.7	3495.8
42.5°	4171.6	4089.1	4038.4	3987.7	3937.0	3886.3	3883.0	3879.7	3875.9	3872.6	3932.7
45°	4852.5	4791.4	4753.5	4715.6	4677.2	4639.3	4579.1	4518.9	4458.3	4398.1	4450.7
47.5°	5445.8	5449.2	5517.9	5586.1	5654.8	5723.5	5620.7	5517.9	5415.0	5312.2	5244.4
50°	6238.2	6378.4	6395.0	6411.1	6427.7	6444.3	6269.9	6096.0	5921.6	5747.2	5676.1
52.5°	6792.6	6989.7	6964.1	6939.0	6913.4	6887.9	6786.9	6686.5	6585.5	6484.6	6329.6
55°	7133.8	7353.2	7333.8	7314.8	7295.4	7276.0	7202.5	7129.1	7055.6	6982.2	6812.0
57.5°	7331.4	7539.9	7545.6	7551.3	7557.0	7562.7	7543.2	7523.8	7504.4	7484.9	7263.6
60°	7398.2	7624.3	7626.6	7628.5	7630.9	7632.8	7602.0	7571.2	7539.9	7509.1	7364.6
62.5°	7192.1	7394.0	7403.0	7411.5	7420.5	7429.5	7408.2	7386.8	7365.5	7344.2	7237.1
65°	6881.7	7008.2	7010.6	7012.5	7014.9	7017.2	6963.2	6909.6	6855.6	6801.6	6776.0
67.5°	5960.0	5968.5	6018.8	6069.0	6119.2	6169.4	6173.7	6178.0	6182.7	6187.0	6150.0
70°	4812.7	4763.4	4817.9	4872.4	4926.9	4981.4	5004.7	5027.9	5051.6	5074.8	5091.8
72.5°	3747.4	3665.5	3705.7	3746.0	3786.8	3827.1	3792.5	3757.9	3723.3	3688.7	3798.2
75°	2845.2	2744.2	2739.0	2734.3	2729.1	2724.3	2706.8	2689.3	2671.3	2653.7	2756.1
77.5°	2178.9	2113.5	2116.8	2119.7	2123.0	2125.8	2107.8	2090.3	2072.3	2054.3	2093.6
80°	1806.0	1823.5	1824.0	1824.4	1824.9	1825.4	1808.3	1791.7	1774.7	1757.6	1729.2
82.5°	1447.7	1494.6	1494.1	1494.1	1493.7	1493.2	1492.2	1491.3	1489.9	1488.9	1442.5
85°	1037.3	1068.6	1036.4	1004.2	971.9	939.7	963.4	987.1	1011.3	1035.0	1015.5
87.5°	351.1	321.8	283.4	245.5	207.1	168.7	209.9	251.2	292.9	334.1	357.8
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: P596400
 CATALOG NUMBER: MSA-SA4A-722-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: P596400

CATALOG NUMBER: MSA-SA4A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7	1029.7
2.5°	1242.5	1237.8	1233.5	1203.7	1173.3	1143.5	1113.1	1168.1	1223.6	1278.5	1333.5
5°	1575.2	1565.2	1555.7	1553.4	1551.0	1548.2	1545.8	1573.8	1601.7	1629.2	1657.2
7.5°	1785.6	1778.0	1770.4	1750.5	1731.1	1711.2	1691.3	1708.3	1724.9	1742.0	1758.6
10°	1945.8	1929.2	1912.6	1869.5	1826.8	1783.7	1740.6	1727.8	1715.0	1702.2	1689.4
12.5°	2151.4	2110.7	2070.4	2021.6	1972.3	1923.5	1874.2	1867.6	1860.9	1854.8	1848.1
15°	2312.1	2299.3	2286.5	2247.6	2208.8	2169.9	2131.0	2078.9	2026.3	1974.2	1922.1
17.5°	2310.6	2290.3	2270.4	2322.5	2374.1	2426.3	2477.9	2422.5	2366.6	2311.1	2255.7
20°	2382.7	2370.8	2359.5	2455.6	2551.4	2647.6	2743.3	2713.0	2682.2	2651.8	2621.0
22.5°	2572.2	2617.7	2662.7	2745.2	2827.2	2909.6	2991.6	3026.2	3060.8	3095.4	3130.0
25°	2771.3	2845.2	2919.1	3041.8	3164.1	3286.8	3409.6	3434.2	3458.9	3483.5	3508.1
27.5°	2691.6	2767.0	2842.3	2935.2	3027.6	3120.5	3212.9	3321.0	3429.5	3537.5	3645.6
30°	2666.1	2749.5	2832.4	2959.9	3086.9	3214.3	3341.8	3490.6	3639.4	3787.7	3936.5
32.5°	2687.4	2804.9	2922.4	3094.9	3266.9	3439.4	3611.9	3768.3	3925.2	4081.5	4237.9
35°	2955.1	3054.6	3153.7	3346.5	3539.4	3732.3	3925.2	4108.5	4291.9	4474.9	4658.2
37.5°	3210.5	3304.4	3398.2	3595.3	3792.0	3989.1	4186.3	4475.8	4765.8	5055.4	5344.9
40°	3575.4	3655.5	3735.1	3903.8	4072.5	4241.2	4409.9	4759.2	5108.4	5457.7	5806.9
42.5°	3992.4	4052.6	4112.3	4287.2	4462.1	4636.9	4811.8	5191.8	5572.4	5952.4	6332.5
45°	4502.8	4555.4	4608.0	4728.4	4848.7	4969.6	5089.9	5481.8	5873.7	6265.6	6657.5
47.5°	5176.7	5108.9	5041.1	5100.4	5159.6	5218.8	5278.1	5665.7	6053.3	6440.5	6828.1
50°	5605.1	5534.0	5462.9	5468.1	5472.8	5478.1	5483.3	5844.8	6206.4	6567.5	6929.1
52.5°	6174.7	6019.2	5864.3	5862.8	5861.4	5859.5	5858.1	6173.2	6488.8	6804.0	7119.1
55°	6641.9	6471.8	6301.7	6268.5	6235.3	6201.7	6168.5	6480.3	6791.7	7103.5	7414.8
57.5°	7042.3	6820.6	6599.3	6547.1	6495.0	6442.9	6390.8	6726.7	7063.2	7399.2	7735.1
60°	7220.5	7076.0	6931.9	6867.9	6804.0	6740.0	6676.0	6962.3	7248.5	7534.2	7820.4
62.5°	7130.5	7023.4	6916.8	6931.4	6946.1	6960.8	6975.5	7139.0	7303.0	7466.5	7629.9
65°	6750.9	6725.3	6700.2	6818.7	6937.1	7055.6	7174.1	7176.4	7178.8	7181.2	7183.6
67.5°	6113.1	6076.1	6039.1	6285.5	6531.5	6777.9	7024.3	6907.3	6790.2	6673.7	6556.6
70°	5108.4	5125.5	5142.1	5477.6	5812.6	6148.1	6483.6	6314.0	6143.9	5974.2	5804.1
72.5°	3907.6	4017.6	4127.0	4474.9	4822.7	5170.5	5518.3	5324.5	5130.2	4936.4	4742.1
75°	2858.4	2960.8	3063.2	3406.7	3750.3	4094.3	4437.9	4207.6	3977.3	3747.4	3517.1
77.5°	2132.9	2172.7	2212.1	2497.8	2783.1	3068.8	3354.1	3122.9	2891.6	2660.8	2429.6
80°	1701.2	1672.8	1644.8	1803.1	1961.4	2119.7	2277.9	2114.0	1949.5	1785.6	1621.6
82.5°	1396.5	1350.1	1304.1	1362.9	1421.6	1480.9	1539.6	1408.4	1277.1	1145.8	1014.6
85°	996.1	976.7	957.2	974.3	990.9	1007.9	1025.0	897.1	769.1	641.6	513.7
87.5°	381.0	404.7	428.4	455.4	481.9	508.9	535.5	419.4	303.3	187.7	71.6
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: P596400
 CATALOG NUMBER: MSA-SA4A-722-U-SLR

CANDELA DISTRIBUTION (continued):

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



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 CATALOG NUMBER: MSA-SA4A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1029.7	1029.7
2.5°	1356.2	1379.0
5°	1656.7	1656.2
7.5°	1751.0	1742.9
10°	1668.5	1647.7
12.5°	1786.5	1724.5
15°	1860.5	1798.4
17.5°	2162.3	2068.5
20°	2509.7	2397.8
22.5°	2959.9	2789.7
25°	3304.8	3101.1
27.5°	3524.7	3403.4
30°	3797.7	3658.8
32.5°	4135.6	4032.7
35°	4564.4	4470.1
37.5°	5315.5	5285.7
40°	5771.4	5735.4
42.5°	6333.9	6334.8
45°	6678.9	6700.2
47.5°	6882.2	6935.7
50°	7044.2	7158.9
52.5°	7276.0	7432.8
55°	7623.3	7831.3
57.5°	7912.4	8089.6
60°	7912.4	8003.8
62.5°	7627.6	7624.7
65°	7139.5	7094.9
67.5°	6500.7	6444.8
70°	5716.9	5629.2
72.5°	4633.6	4524.6
75°	3367.9	3218.1
77.5°	2358.5	2286.9
80°	1656.2	1690.8
82.5°	1063.9	1113.1
85°	506.1	498.5
87.5°	59.7	47.9
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: P596400
CATALOG NUMBER: MSA-SA4A-722-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)