

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: P596708

Luminaire Tested: **MSA-SA3C-827-U-SLR**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P596708
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-24)
Test Lab: INNOVATIONS CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: MSA-SA3C-827-U-SLR
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11465 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

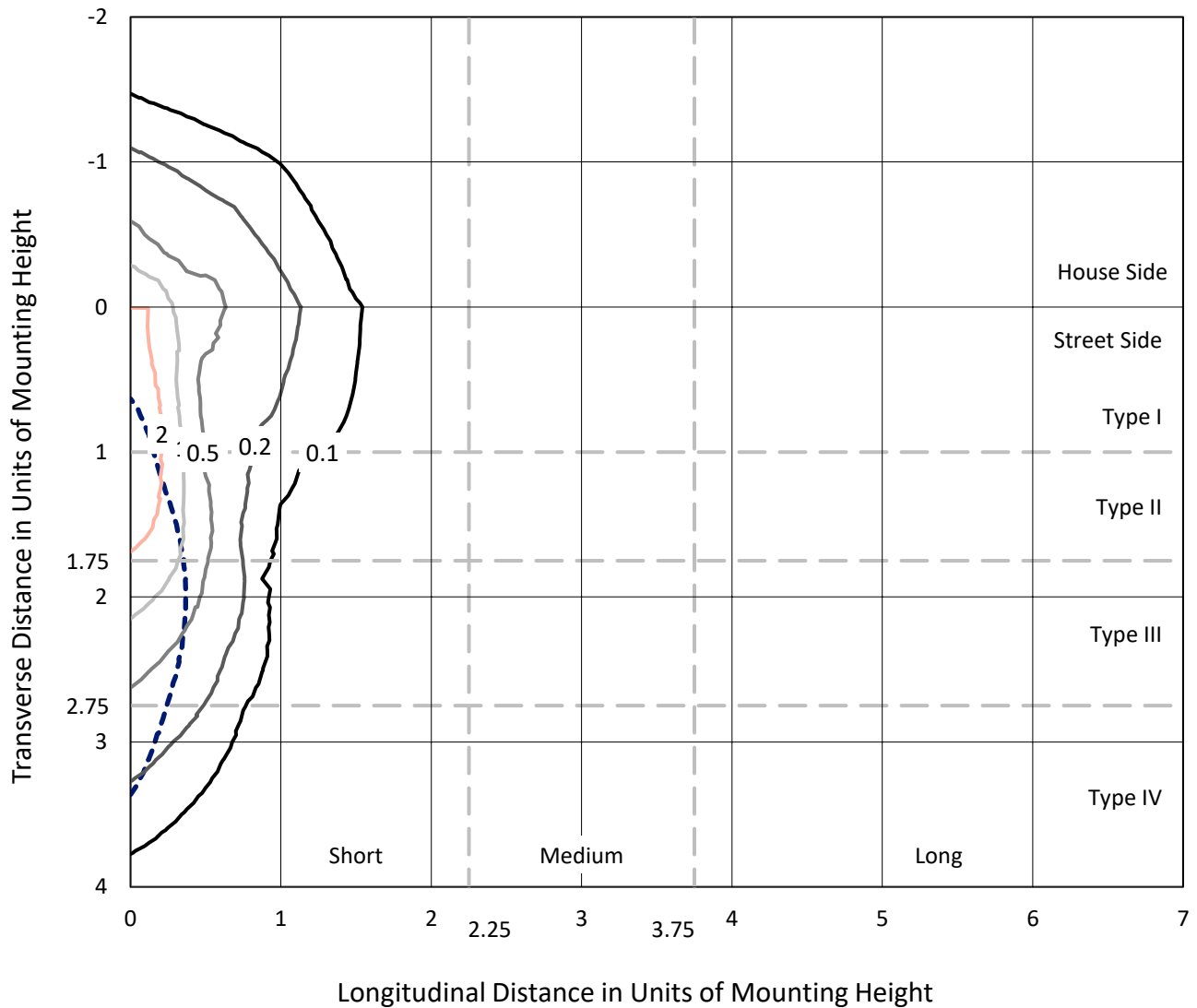
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

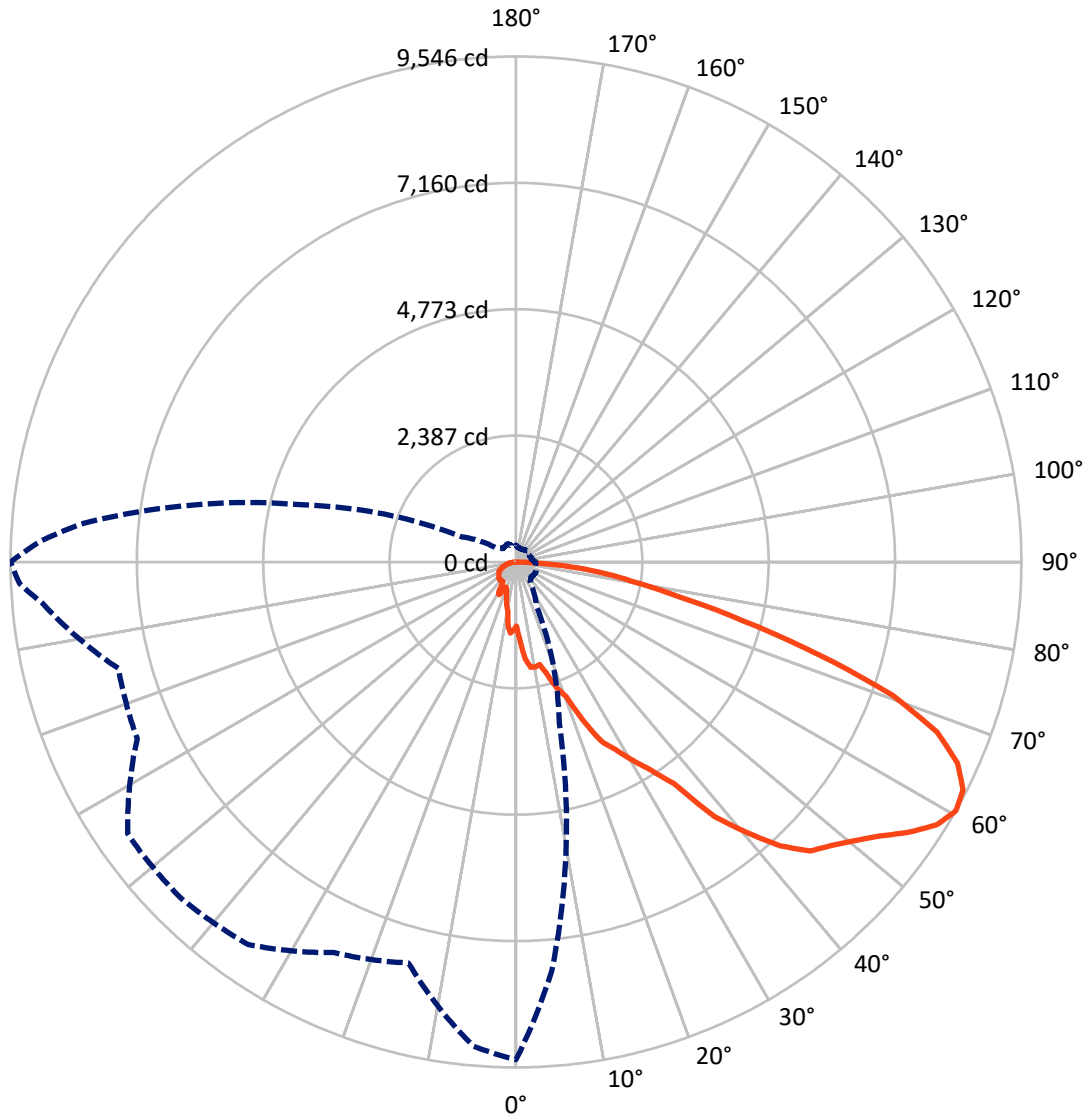
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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	2220.5	0.0	2220.5
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	9244.5	0.0	9244.5
	% Fixture	80.6	0.0	80.6
Total	Lumens	11465.0	0.0	11465.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.6	1.2
10°-20°	402.8	3.5
20°-30°	711.2	6.2
30°-40°	1107.6	9.7
40°-50°	1823.5	15.9
50°-60°	2602.7	22.7
60°-70°	2759.8	24.1
70°-80°	1524.3	13.3
80°-90°	394.4	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°	11465.0	100.0
0°-180°	11465.0	100.0

Coefficient of Utilization



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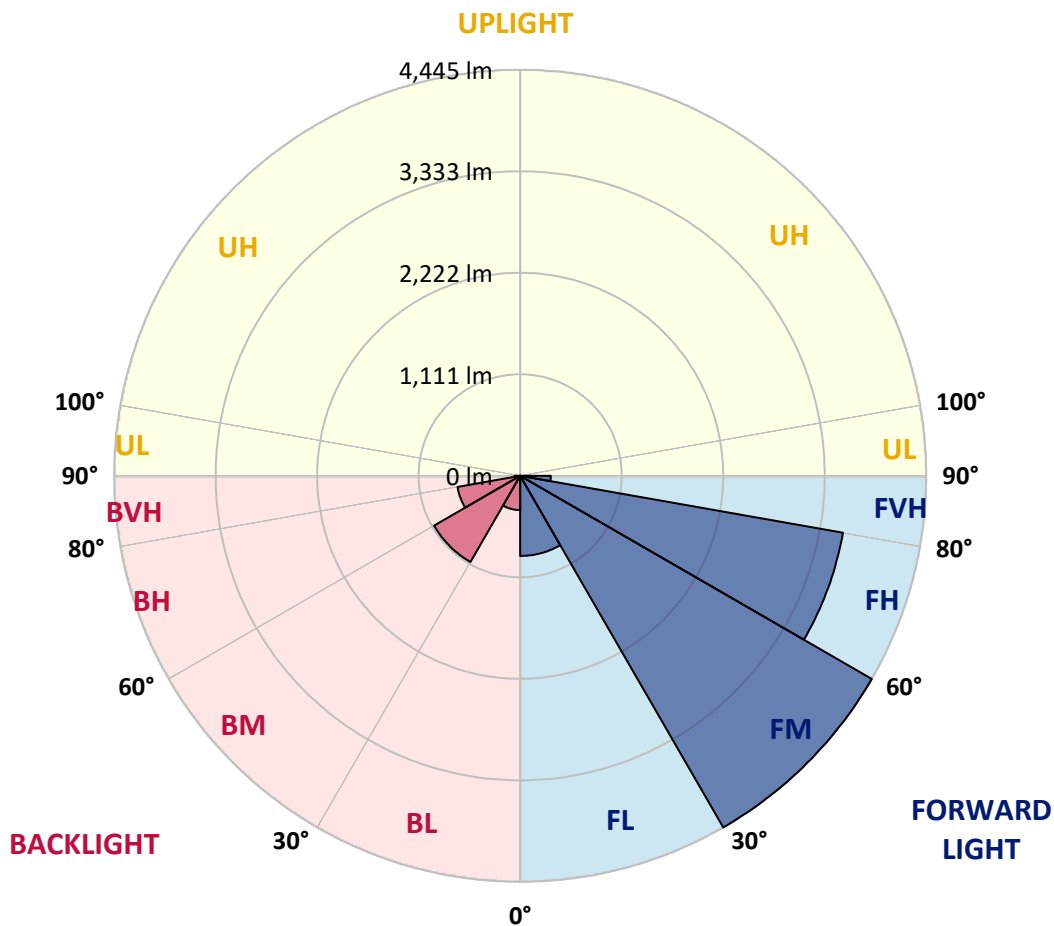
CATALOG NUMBER: MSA-SA3C-827-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	877.3	7.7			
FM (30°-60°)	4444.6	38.8			
FH (60°-80°)	3587.4	31.3			G2/5000
FVH (80°-90°)	335.2	2.9			G3/500
BL (0°-30°)	375.4	3.3	B1/500		
BM (30°-60°)	1089.2	9.5	B2/2500		
BH (60°-80°)	696.7	6.1	B2/1000		G2/1000
BVH (80°-90°)	59.2	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°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1619.4	1629.4	1638.9	1620.0	1601.0	1581.6	1562.6	1534.3	1505.3	1476.9	1448.0
5°	1944.9	1908.2	1870.9	1855.9	1841.4	1826.4	1811.4	1797.5	1783.6	1769.1	1755.2
7.5°	2046.8	1994.5	1941.6	1919.3	1897.1	1874.3	1852.0	1801.9	1751.8	1701.2	1651.1
10°	1934.9	1880.4	1825.3	1803.6	1781.3	1759.6	1737.4	1676.2	1615.5	1554.3	1493.1
12.5°	2025.1	1969.4	1913.2	1844.2	1775.2	1705.7	1636.6	1602.7	1568.8	1534.3	1500.3
15°	2111.9	2036.8	1961.1	1892.1	1823.1	1753.5	1684.5	1616.6	1548.7	1480.8	1412.9
17.5°	2429.1	2303.9	2178.7	2054.0	1928.8	1804.1	1678.9	1600.5	1521.5	1443.0	1364.0
20°	2815.9	2641.7	2466.9	2277.7	2088.0	1898.8	1709.0	1609.9	1511.4	1412.4	1313.3
22.5°	3276.1	3056.3	2836.4	2597.7	2359.0	2119.7	1880.9	1737.4	1593.8	1449.7	1306.1
25°	3641.7	3430.2	3218.8	2916.0	2613.3	2310.6	2007.8	1844.8	1681.7	1518.1	1355.1
27.5°	3996.7	3660.1	3322.8	2976.1	2630.0	2283.3	1936.6	1785.8	1635.0	1484.2	1333.4
30°	4296.7	4029.6	3762.4	3310.0	2857.6	2404.6	1952.2	1766.9	1581.6	1396.2	1210.9
32.5°	4735.8	4354.6	3972.8	3500.9	3029.0	2557.1	2085.2	1848.1	1611.0	1374.0	1136.9
35°	5249.4	4853.2	4457.0	3873.2	3290.0	2706.2	2122.5	1871.5	1620.0	1369.0	1117.4
37.5°	6207.1	5508.7	4809.8	4172.6	3535.4	2897.7	2260.5	1968.9	1677.3	1385.1	1093.5
40°	6735.2	6089.7	5444.2	4650.1	3855.9	3061.3	2267.2	1968.9	1670.0	1371.8	1072.9
42.5°	7439.2	6622.8	5805.9	4947.2	4089.1	3230.4	2371.8	2041.2	1710.7	1379.5	1049.0
45°	7868.3	6958.4	6048.0	5130.3	4212.6	3295.0	2377.3	2041.8	1706.2	1370.6	1035.1
47.5°	8144.8	7271.1	6396.9	5409.1	4421.3	3433.0	2445.2	2089.1	1732.4	1376.2	1019.5
50°	8406.9	7541.6	6675.7	5650.1	4625.0	3599.4	2573.8	2184.8	1795.8	1406.3	1017.3
52.5°	8728.6	7931.7	7134.2	6034.1	4933.3	3833.1	2732.4	2308.9	1885.4	1461.9	1038.4
55°	9196.6	8411.4	7625.6	6444.7	5263.3	4082.4	2901.0	2430.8	1961.1	1490.8	1020.6
57.5°	9499.9	8703.5	7907.2	6703.0	5498.7	4293.9	3089.6	2568.8	2047.9	1526.5	1005.6
60°	9399.2	8577.8	7755.8	6607.8	5459.7	4311.7	3163.7	2601.0	2039.0	1476.4	913.8
62.5°	8954.0	8080.8	7207.7	6179.3	5151.5	4123.1	3094.7	2522.6	1951.1	1379.0	806.9
65°	8331.8	7429.2	6526.0	5598.3	4670.6	3743.0	2815.3	2296.1	1776.3	1257.1	737.4
67.5°	7568.3	6627.3	5685.7	4864.3	4042.9	3221.0	2399.6	1965.5	1532.0	1098.0	663.9
70°	6610.6	5685.7	4760.8	4050.2	3339.5	2628.9	1918.2	1591.6	1265.5	938.8	612.1
72.5°	5313.4	4515.4	3717.4	3158.1	2598.8	2039.5	1480.3	1253.2	1026.7	799.7	572.6
75°	3779.1	3310.0	2840.9	2405.7	1970.5	1534.8	1099.6	952.7	805.8	658.9	512.0
77.5°	2685.6	2409.1	2132.5	1791.4	1450.2	1109.1	768.0	681.7	596.0	509.7	423.5
80°	1985.6	1754.6	1523.7	1266.6	1009.5	752.4	495.3	453.0	411.2	369.0	326.7
82.5°	1307.2	1203.1	1098.5	894.8	691.2	487.5	283.8	268.2	252.6	237.1	221.5
85°	585.4	618.3	650.5	525.9	400.7	276.0	150.8	143.6	136.3	129.1	121.9
87.5°	56.2	82.9	109.6	94.0	77.9	62.3	46.2	45.6	45.6	45.1	44.5
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



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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°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1455.8	1463.6	1471.4	1479.2	1470.8	1462.5	1453.6	1445.2	1434.6	1424.1	1412.9
5°	1731.8	1707.9	1684.5	1660.6	1625.0	1589.3	1553.2	1517.6	1513.1	1508.1	1503.6
7.5°	1607.2	1563.7	1519.8	1475.8	1420.2	1365.1	1309.4	1253.8	1237.1	1220.4	1203.7
10°	1463.6	1433.5	1404.0	1374.0	1339.5	1305.0	1269.9	1235.4	1189.8	1143.6	1098.0
12.5°	1451.3	1402.4	1352.8	1303.9	1282.7	1261.6	1240.4	1219.3	1179.2	1139.1	1098.5
15°	1373.4	1333.4	1293.8	1253.8	1223.2	1192.6	1162.0	1131.3	1099.1	1066.2	1034.0
17.5°	1318.3	1272.7	1227.1	1181.4	1146.4	1111.3	1075.7	1040.6	1001.7	962.2	923.2
20°	1261.0	1209.3	1156.9	1104.6	1060.1	1016.2	971.6	927.1	884.3	842.0	799.1
22.5°	1237.6	1169.2	1100.7	1032.3	985.5	938.2	891.5	844.2	804.7	765.2	725.7
25°	1273.3	1192.0	1110.2	1028.4	965.5	902.1	839.2	775.8	742.9	710.1	676.7
27.5°	1231.5	1129.1	1027.3	924.9	857.6	789.7	722.3	654.4	649.4	644.4	638.9
30°	1103.5	996.1	888.7	781.3	719.5	657.2	595.4	533.1	521.4	509.2	497.5
32.5°	1027.3	917.7	808.0	698.4	643.3	587.7	532.6	476.9	463.6	450.2	436.8
35°	998.3	879.3	760.2	641.1	593.8	546.5	499.2	451.9	442.4	433.5	424.0
37.5°	975.0	857.0	738.5	619.9	574.3	528.7	482.5	436.8	429.6	422.4	415.1
40°	952.7	833.1	712.9	592.7	552.0	512.0	471.3	430.7	426.3	421.8	416.8
42.5°	932.7	816.4	699.5	583.2	547.0	511.4	475.2	439.1	434.6	430.2	425.7
45°	921.6	808.0	694.5	581.0	554.8	528.7	502.0	475.8	465.2	454.7	443.5
47.5°	913.2	806.9	700.6	594.3	567.1	539.8	512.5	485.3	475.8	466.3	456.3
50°	914.9	813.0	710.6	608.2	575.4	542.0	509.2	475.8	474.7	473.6	472.5
52.5°	929.9	821.9	713.4	604.9	569.3	533.7	497.5	461.9	469.1	475.8	483.0
55°	908.2	795.8	682.8	570.4	536.5	503.1	469.1	435.2	444.6	453.5	463.0
57.5°	883.7	761.8	640.0	518.1	492.5	466.9	440.7	415.1	425.2	435.7	445.8
60°	802.5	691.2	579.9	468.6	451.3	434.1	416.8	399.6	404.0	408.5	412.9
62.5°	713.4	619.4	525.9	431.8	418.5	404.6	391.2	377.3	377.3	377.9	377.9
65°	656.7	576.0	495.3	414.6	399.6	384.5	369.0	353.9	351.7	349.5	347.3
67.5°	599.9	536.5	472.5	408.5	386.8	365.6	343.9	322.2	319.4	317.2	314.4
70°	555.4	498.6	441.9	385.1	360.6	336.7	312.2	287.7	285.5	283.8	281.6
72.5°	519.2	466.3	412.9	359.5	333.9	307.7	282.1	256.0	254.3	252.6	250.4
75°	464.7	417.9	370.6	323.3	298.3	273.8	248.8	223.7	221.5	219.8	217.6
77.5°	384.5	345.0	306.1	266.6	247.1	228.2	208.7	189.2	188.1	187.0	185.3
80°	296.1	265.4	234.3	203.7	190.9	177.5	164.7	151.4	150.8	150.3	149.1
82.5°	203.1	184.8	166.4	148.0	138.6	128.5	119.1	109.1	109.6	110.2	110.7
85°	115.8	109.1	103.0	96.3	88.5	81.2	73.5	65.7	67.3	69.0	70.1
87.5°	42.3	40.1	37.8	35.6	31.7	28.4	24.5	20.6	21.7	23.4	24.5
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: P596708
 CATALOG NUMBER: MSA-SA3C-827-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: P596708
 CATALOG NUMBER: MSA-SA3C-827-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1402.4	1385.7	1369.0	1352.3	1335.6	1301.1	1267.1	1232.6	1198.1	1219.3	1241.0
5°	1498.6	1470.3	1441.3	1412.9	1384.0	1367.9	1351.7	1335.6	1319.4	1327.8	1336.7
7.5°	1187.0	1170.3	1153.1	1136.4	1119.1	1111.9	1105.2	1098.0	1090.7	1111.3	1131.9
10°	1051.8	1028.4	1005.0	981.1	957.7	943.8	929.9	916.0	902.1	907.6	913.2
12.5°	1058.4	1023.9	989.4	954.9	920.4	899.8	879.3	858.7	838.1	843.1	848.1
15°	1001.1	965.5	929.9	894.3	858.7	834.7	810.3	786.3	761.8	753.5	744.6
17.5°	883.7	844.8	805.8	766.8	727.9	711.8	695.6	679.5	663.3	654.4	645.5
20°	756.3	720.1	683.9	647.8	611.6	600.5	589.3	577.6	566.5	560.9	554.8
22.5°	686.2	663.9	641.1	618.8	596.0	583.2	571.0	558.2	545.4	539.2	532.6
25°	643.9	648.3	653.3	657.8	662.2	656.7	650.5	645.0	638.9	641.1	642.7
27.5°	633.8	643.3	653.3	662.8	672.2	677.3	682.3	687.3	692.3	693.9	695.6
30°	485.3	490.3	494.7	499.7	504.2	518.1	532.0	545.4	559.3	581.0	603.2
32.5°	423.5	421.8	420.2	417.9	416.3	419.6	422.9	425.7	429.1	436.8	445.2
35°	414.6	410.7	406.2	402.3	397.9	399.6	401.2	402.9	404.6	410.7	416.8
37.5°	407.9	406.2	405.1	403.5	401.8	405.7	409.0	412.9	416.3	421.3	426.3
40°	412.4	411.8	411.2	410.1	409.6	411.8	414.0	416.3	418.5	425.2	431.8
42.5°	421.3	421.3	420.7	420.7	420.2	422.4	424.0	426.3	427.9	431.8	435.7
45°	433.0	431.8	431.3	430.2	429.1	428.5	428.5	427.9	427.4	429.6	432.4
47.5°	446.9	443.0	438.5	434.6	430.2	429.1	427.4	426.3	424.6	425.7	426.8
50°	471.3	460.8	450.8	440.2	429.6	426.8	424.0	421.3	418.5	417.9	417.9
52.5°	489.7	474.1	458.5	443.0	427.4	422.4	417.4	412.4	407.4	406.2	405.7
55°	471.9	460.2	449.1	437.4	425.7	418.5	410.7	403.5	395.7	394.0	392.3
57.5°	455.8	448.5	441.3	434.1	426.8	419.6	411.8	404.6	396.8	392.9	389.0
60°	417.4	417.4	417.9	417.9	417.9	410.1	402.3	394.6	386.8	382.9	379.5
62.5°	377.9	384.0	389.5	395.7	401.2	390.7	379.5	369.0	357.8	355.0	352.8
65°	345.0	346.7	348.9	350.6	352.3	343.9	335.6	327.2	318.9	317.2	315.0
67.5°	311.6	311.1	310.5	309.4	308.9	303.8	298.3	293.3	287.7	285.5	283.3
70°	279.4	278.8	278.2	277.1	276.6	272.1	267.7	263.2	258.8	257.1	255.4
72.5°	248.8	248.2	247.1	246.5	245.4	241.5	238.2	234.3	230.4	228.2	225.9
75°	215.4	214.2	213.1	212.0	210.9	207.6	204.2	200.3	197.0	194.8	192.5
77.5°	184.2	182.5	180.9	178.6	177.0	174.2	170.8	168.1	164.7	161.9	159.7
80°	148.6	147.5	146.4	144.7	143.6	140.8	138.0	134.7	131.9	128.5	125.8
82.5°	111.3	110.7	109.6	109.1	108.0	105.2	102.4	99.6	96.8	93.5	90.2
85°	71.8	71.2	70.7	70.1	69.6	67.3	65.7	63.4	61.2	57.9	55.1
87.5°	25.6	24.5	23.9	22.8	21.7	21.1	20.0	19.5	18.4	16.7	15.0
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: P596708
 CATALOG NUMBER: MSA-SA3C-827-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: P596708

CATALOG NUMBER: MSA-SA3C-827-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1262.1	1283.3	1283.8	1283.8	1293.8	1303.3	1283.8	1264.4	1244.3	1224.8	1205.4
5°	1345.0	1353.4	1351.2	1348.4	1336.1	1323.9	1311.1	1298.3	1285.5	1272.7	1273.3
7.5°	1152.5	1173.1	1189.8	1205.9	1190.3	1174.8	1166.4	1158.1	1149.7	1141.4	1140.3
10°	918.2	923.8	930.5	936.6	927.1	917.1	933.8	950.5	966.6	983.3	965.0
12.5°	853.1	858.1	846.4	834.2	830.3	826.4	822.5	818.0	814.1	809.7	807.5
15°	736.2	727.3	718.4	709.0	706.7	704.0	701.2	697.8	695.1	691.7	681.7
17.5°	636.6	627.7	612.7	597.1	591.0	584.3	582.6	581.0	578.8	577.1	567.6
20°	549.3	543.1	539.2	534.8	528.7	522.5	516.4	510.3	503.6	497.5	488.6
22.5°	526.4	519.8	514.8	509.2	508.1	507.0	495.8	484.1	473.0	461.3	456.3
25°	645.0	646.6	616.0	584.9	582.1	579.3	559.3	538.7	518.7	498.1	480.8
27.5°	696.7	698.4	697.3	696.2	687.3	677.8	643.9	609.4	575.4	540.9	516.4
30°	624.9	646.6	655.0	663.3	657.2	650.5	614.9	579.9	544.2	508.6	492.5
32.5°	453.0	460.8	474.7	488.0	495.3	502.0	490.8	479.7	468.6	457.4	454.7
35°	422.4	428.5	431.3	434.1	429.6	425.2	416.8	408.5	399.6	391.2	389.5
37.5°	430.7	435.7	441.3	446.9	434.6	421.8	412.4	403.5	394.0	384.5	376.7
40°	438.5	445.2	448.5	451.9	439.6	427.4	415.7	404.6	392.9	381.2	373.4
42.5°	439.6	443.5	449.6	455.8	438.5	420.7	410.1	399.0	388.4	377.3	369.5
45°	434.6	436.8	442.4	448.0	427.9	407.4	397.9	387.9	378.4	368.4	361.7
47.5°	427.4	428.5	433.0	436.8	415.7	394.0	385.1	376.2	366.7	357.8	351.1
50°	417.4	416.8	420.2	422.9	401.2	379.5	370.6	362.3	353.4	344.5	338.9
52.5°	404.6	403.5	406.8	409.6	386.8	363.9	356.2	348.9	341.1	333.3	328.9
55°	390.1	388.4	391.2	394.0	371.7	348.9	342.2	335.0	328.3	321.1	317.2
57.5°	384.5	380.6	382.3	384.0	358.9	333.9	327.2	320.5	313.9	307.2	304.4
60°	375.6	371.7	373.4	374.5	347.8	320.5	314.4	307.7	301.6	294.9	292.2
62.5°	350.0	347.3	349.5	351.7	327.8	303.3	297.7	292.7	287.2	281.6	277.7
65°	313.3	311.1	315.5	320.0	299.4	278.8	275.5	272.1	268.2	264.9	261.0
67.5°	281.0	278.8	283.3	287.7	272.7	257.7	254.3	251.0	247.6	244.3	242.1
70°	253.8	252.1	256.0	259.9	247.1	234.3	230.9	228.2	224.8	221.5	219.8
72.5°	223.2	220.9	225.9	230.4	219.8	208.7	205.9	202.6	199.8	196.4	195.3
75°	190.3	188.1	192.5	196.4	189.2	181.4	178.6	175.9	173.1	170.3	169.7
77.5°	156.9	154.1	158.6	162.5	158.0	153.0	150.8	148.0	145.8	143.0	143.0
80°	122.4	119.1	122.4	125.2	123.5	121.9	120.2	118.0	116.3	114.1	114.6
82.5°	86.8	83.5	85.1	86.8	87.9	89.0	89.0	89.0	89.0	89.0	89.0
85°	51.8	48.4	49.0	49.5	51.2	52.9	53.4	54.0	54.5	55.1	55.6
87.5°	13.4	11.7	10.6	8.9	10.6	11.7	12.8	13.4	14.5	15.0	15.0
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: P596708
 CATALOG NUMBER: MSA-SA3C-827-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: P596708

CATALOG NUMBER: MSA-SA3C-827-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1185.9	1165.9	1146.4	1158.6	1170.3	1182.5	1194.2	1194.8	1194.8	1195.3	1195.3
5°	1274.4	1274.9	1275.5	1263.8	1252.7	1241.0	1229.3	1223.2	1217.0	1210.4	1204.3
7.5°	1138.6	1137.5	1135.8	1124.7	1113.5	1102.4	1091.3	1064.6	1037.3	1010.6	983.3
10°	946.0	927.7	908.8	904.3	900.4	896.0	891.5	884.3	877.6	870.4	863.1
12.5°	805.2	803.0	800.8	789.1	777.4	765.2	753.5	753.5	753.5	753.5	753.5
15°	671.1	661.1	650.5	645.0	638.9	633.3	627.2	624.4	621.6	618.8	616.0
17.5°	557.6	548.1	538.1	537.0	535.9	534.8	533.7	530.9	528.1	525.3	522.5
20°	479.7	470.8	461.9	465.2	468.6	471.3	474.7	471.9	469.1	465.8	463.0
22.5°	450.8	445.8	440.2	437.4	434.6	431.3	428.5	428.5	429.1	429.1	429.1
25°	464.1	446.9	429.6	421.3	412.9	404.0	395.7	392.3	389.5	386.2	382.9
27.5°	491.9	466.9	442.4	427.9	413.5	399.0	384.5	378.4	371.7	365.6	358.9
30°	475.8	459.7	443.0	426.3	409.6	392.9	376.2	368.4	360.6	352.3	344.5
32.5°	451.9	448.5	445.8	430.2	414.6	398.4	382.9	379.5	376.7	373.4	370.1
35°	387.3	385.6	383.4	379.5	375.6	371.7	367.8	363.4	358.9	354.5	350.0
37.5°	369.5	361.7	353.9	352.3	350.6	348.9	347.3	345.6	343.9	341.7	340.0
40°	365.6	357.8	350.0	347.3	344.5	341.1	338.3	338.9	340.0	340.6	341.1
42.5°	361.2	353.4	345.0	342.8	340.6	338.3	336.1	336.7	337.8	338.3	338.9
45°	355.6	348.9	342.2	338.3	335.0	331.1	327.2	330.6	333.9	336.7	340.0
47.5°	344.5	337.2	330.6	328.3	326.1	323.3	321.1	324.4	327.8	330.6	333.9
50°	332.8	327.2	321.1	320.5	320.0	318.9	318.3	320.5	322.8	325.0	327.2
52.5°	323.9	319.4	314.4	314.4	313.9	313.9	313.3	315.5	317.8	319.4	321.7
55°	313.9	310.0	306.1	306.6	307.7	308.3	308.9	311.1	313.9	316.1	318.3
57.5°	301.1	298.3	294.9	297.2	298.8	301.1	302.7	304.4	306.6	308.3	310.0
60°	288.8	286.0	282.7	284.9	287.7	289.9	292.2	293.8	295.5	297.2	298.8
62.5°	273.8	269.3	265.4	268.8	271.6	274.9	277.7	278.8	280.5	281.6	282.7
65°	257.7	253.8	249.9	252.1	254.3	256.0	258.2	259.9	261.6	263.2	264.9
67.5°	239.3	237.1	234.3	236.0	237.6	239.3	241.0	241.5	241.5	242.1	242.1
70°	217.6	215.9	213.7	214.8	216.5	217.6	218.7	218.7	218.7	218.1	218.1
72.5°	194.8	193.7	192.5	193.1	194.2	194.8	195.3	194.8	194.2	193.7	193.1
75°	169.2	168.6	168.1	168.6	169.7	170.3	170.8	170.3	169.2	168.6	167.5
77.5°	143.6	143.6	143.6	143.6	144.1	144.1	144.1	143.0	141.9	140.8	139.7
80°	115.2	115.8	116.3	116.3	116.3	116.3	116.3	115.2	114.1	112.4	111.3
82.5°	89.0	89.0	89.0	89.0	89.6	89.6	89.6	86.8	84.6	81.8	79.0
85°	55.6	56.2	56.2	56.8	57.3	57.3	57.9	54.0	50.6	46.7	42.8
87.5°	15.0	15.0	15.0	15.0	15.0	14.5	14.5	11.1	7.2	3.9	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: P596708
 CATALOG NUMBER: MSA-SA3C-827-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: P596708

CATALOG NUMBER: MSA-SA3C-827-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1198.7	1202.0	1204.8	1208.1	1208.7	1209.3	1209.3	1209.8	1198.1	1186.4	1174.2
5°	1212.6	1220.4	1228.7	1236.5	1234.9	1233.2	1231.5	1229.8	1226.5	1223.7	1220.4
7.5°	977.2	971.6	965.5	959.4	964.4	969.4	974.4	979.4	981.7	983.9	985.5
10°	849.2	835.3	821.4	807.5	799.7	791.3	783.5	775.2	774.1	773.5	772.4
12.5°	739.0	724.0	709.5	694.5	690.1	685.0	680.6	675.6	680.0	684.5	688.4
15°	609.9	604.4	598.2	592.1	597.1	602.1	607.1	612.1	616.6	620.5	624.9
17.5°	519.8	517.5	514.8	512.0	516.4	521.4	525.9	530.3	540.4	550.4	560.4
20°	460.8	459.1	456.9	454.7	453.0	450.8	449.1	446.9	461.3	475.2	489.7
22.5°	425.7	422.4	419.0	415.7	416.3	416.8	416.8	417.4	429.1	441.3	453.0
25°	381.8	380.6	379.5	378.4	381.8	385.1	387.9	391.2	401.8	412.4	422.4
27.5°	359.5	360.1	360.6	361.2	365.6	370.6	375.1	379.5	386.8	394.0	401.2
30°	347.3	350.6	353.4	356.2	357.8	359.5	361.2	362.8	370.1	376.7	384.0
32.5°	365.6	361.2	356.2	351.7	353.9	356.7	358.9	361.2	367.8	374.5	381.2
35°	348.4	346.1	344.5	342.2	345.0	347.8	350.0	352.8	358.9	364.5	370.6
37.5°	339.5	338.9	338.3	337.8	339.5	341.1	342.2	343.9	349.5	355.0	360.1
40°	338.9	336.1	333.9	331.1	332.8	334.5	335.6	337.2	343.9	350.6	357.3
42.5°	335.6	332.2	328.3	325.0	326.7	328.9	330.6	332.2	339.5	346.1	353.4
45°	335.0	330.0	324.4	319.4	321.7	323.9	326.1	328.3	333.9	339.5	344.5
47.5°	328.9	323.9	318.9	313.9	315.0	316.1	316.6	317.8	322.8	327.2	332.2
50°	323.9	320.0	316.6	312.7	311.1	310.0	308.3	306.6	310.5	314.4	318.3
52.5°	317.8	313.9	309.4	305.5	303.3	301.1	298.8	296.6	299.9	302.7	306.1
55°	313.9	308.9	304.4	299.4	296.6	293.8	291.0	288.3	290.5	292.2	294.4
57.5°	305.5	301.1	296.1	291.6	288.3	284.9	281.0	277.7	278.8	279.9	281.0
60°	294.4	289.4	284.9	279.9	276.0	272.1	267.7	263.8	264.3	265.4	266.0
62.5°	278.2	273.8	268.8	264.3	259.9	256.0	251.5	247.1	248.2	248.8	249.9
65°	260.4	255.4	251.0	246.0	242.1	238.2	233.7	229.8	230.9	232.1	232.6
67.5°	238.7	234.8	231.5	227.6	224.3	220.4	217.0	213.1	213.7	214.2	214.8
70°	215.4	212.0	209.2	205.9	203.1	200.3	197.6	194.8	194.8	195.3	195.3
72.5°	190.3	187.5	184.8	182.0	179.2	177.0	174.2	171.4	172.5	173.6	174.2
75°	164.7	162.5	159.7	156.9	154.7	152.5	149.7	147.5	148.6	149.7	150.3
77.5°	138.0	136.3	134.1	132.4	130.2	128.0	125.2	123.0	124.1	125.2	125.8
80°	110.2	109.1	107.4	106.3	104.1	101.8	99.6	97.4	97.9	97.9	98.5
82.5°	79.6	80.1	80.1	80.7	79.0	76.8	75.1	72.9	72.9	72.9	72.3
85°	44.5	46.7	48.4	50.1	48.4	46.7	45.1	43.4	42.8	42.8	42.3
87.5°	1.7	2.8	4.5	5.6	5.0	4.5	3.3	2.8	3.3	3.9	3.9
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: P596708
 CATALOG NUMBER: MSA-SA3C-827-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: P596708
 CATALOG NUMBER: MSA-SA3C-827-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1162.5	1172.0	1181.4	1190.9	1200.4	1214.8	1229.3	1244.3	1259.3	1251.0	1242.1
5°	1217.0	1222.6	1228.7	1234.3	1239.9	1256.0	1271.6	1291.1	1310.0	1307.8	1305.0
7.5°	987.8	995.6	1003.4	1010.6	1018.4	1042.9	1067.4	1087.9	1108.5	1105.8	1102.4
10°	771.3	787.4	804.1	820.3	836.4	856.4	875.9	893.2	910.4	939.4	967.7
12.5°	692.8	717.9	742.9	768.0	793.0	807.5	821.4	843.6	865.9	881.5	897.6
15°	628.8	652.2	675.6	699.0	722.3	723.4	724.6	747.9	771.3	784.7	797.5
17.5°	570.4	583.2	596.0	608.2	621.0	616.6	612.1	623.3	633.8	639.4	645.5
20°	503.6	512.5	521.4	530.3	539.2	545.4	550.9	557.6	563.7	558.2	552.0
22.5°	464.7	478.0	491.9	505.3	518.7	522.5	525.9	522.0	518.1	516.4	514.8
25°	433.0	449.1	465.8	481.9	498.1	505.9	513.6	517.0	519.8	513.6	507.5
27.5°	408.5	427.9	446.9	466.3	485.3	499.2	513.1	517.0	520.3	515.9	510.9
30°	390.7	411.8	433.0	454.1	475.2	496.4	517.0	535.3	553.2	551.5	549.8
32.5°	387.9	402.3	416.8	431.3	445.8	459.1	471.9	473.0	473.6	469.1	464.1
35°	376.2	385.6	395.1	404.6	414.0	422.4	430.2	429.1	427.9	423.5	419.0
37.5°	365.6	375.1	385.1	394.6	404.0	418.5	432.4	429.6	426.3	421.8	417.4
40°	363.9	374.5	385.1	395.1	405.7	419.0	432.4	429.6	426.8	421.3	415.7
42.5°	360.1	370.6	380.6	391.2	401.2	417.4	433.0	427.9	422.4	417.9	413.5
45°	350.0	359.5	369.0	378.4	387.9	405.1	422.4	416.3	410.1	408.5	406.2
47.5°	336.7	346.1	355.6	365.1	374.5	391.8	408.5	403.5	397.9	397.3	396.2
50°	322.2	331.1	340.6	349.5	358.4	375.6	392.3	387.9	383.4	384.0	384.0
52.5°	308.9	317.2	325.0	333.3	341.1	358.4	375.1	371.7	367.8	369.0	369.5
55°	296.1	302.7	309.4	316.1	322.8	339.5	356.2	351.1	346.1	347.8	349.5
57.5°	282.1	287.7	293.3	298.3	303.8	320.5	336.7	331.1	325.0	327.8	330.0
60°	266.6	271.6	276.6	281.0	286.0	301.1	315.5	310.5	305.0	308.9	312.2
62.5°	250.4	254.3	258.2	262.1	266.0	279.9	293.8	289.9	286.0	290.5	294.4
65°	233.7	236.5	239.8	242.6	245.4	258.8	271.6	268.8	266.0	269.9	273.8
67.5°	215.4	217.6	220.4	222.6	224.8	237.1	249.3	246.5	243.2	246.5	249.3
70°	195.3	197.6	199.2	201.5	203.1	214.2	225.4	221.5	217.0	220.4	223.2
72.5°	175.3	176.4	178.1	179.2	180.3	188.7	197.0	193.7	190.3	193.7	196.4
75°	151.4	152.5	153.6	154.7	155.8	163.1	169.7	165.8	161.4	164.7	168.1
77.5°	126.9	127.4	128.5	129.1	129.7	134.7	139.1	135.2	130.8	134.7	138.6
80°	98.5	99.1	99.6	99.6	100.2	101.8	103.5	100.7	97.4	102.4	107.4
82.5°	72.3	71.8	71.8	71.2	70.7	70.7	70.1	68.4	66.2	70.7	75.1
85°	41.7	41.2	40.1	39.5	38.4	36.7	35.1	34.5	33.9	37.8	41.7
87.5°	4.5	3.9	2.8	2.2	1.1	0.6	0.0	0.0	0.0	2.2	5.0
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: P596708
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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: P596708

CATALOG NUMBER: MSA-SA3C-827-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1233.7	1224.8	1216.5	1208.1	1199.8	1191.5	1207.0	1222.6	1238.2	1253.8	1267.7
5°	1302.7	1300.0	1292.7	1286.1	1278.8	1271.6	1275.5	1279.9	1283.8	1287.7	1296.1
7.5°	1099.6	1096.3	1111.9	1126.9	1142.5	1157.5	1161.4	1164.7	1168.6	1172.0	1169.7
10°	996.7	1025.1	1032.3	1039.0	1046.2	1052.9	1064.0	1075.1	1085.7	1096.8	1103.0
12.5°	913.2	928.8	954.4	980.5	1006.1	1031.7	1048.4	1065.1	1081.8	1098.5	1133.0
15°	810.8	823.6	843.1	862.6	882.0	901.5	925.4	949.9	973.9	997.8	1035.6
17.5°	651.1	656.7	671.1	685.6	699.5	714.0	746.3	778.0	810.3	842.0	885.4
20°	546.5	540.4	540.4	540.9	540.9	540.9	573.2	604.9	637.2	668.9	726.2
22.5°	512.5	510.9	504.7	498.1	491.9	485.3	502.0	519.2	535.9	552.6	599.3
25°	500.8	494.7	486.9	479.1	471.3	463.6	474.1	484.7	495.3	505.9	542.6
27.5°	506.4	501.4	505.3	508.6	512.5	515.9	519.2	522.5	525.9	529.2	542.0
30°	548.1	546.5	552.6	558.2	564.3	569.8	562.1	554.8	547.0	539.2	543.7
32.5°	459.7	454.7	452.4	450.2	448.0	445.8	445.2	444.6	443.5	443.0	453.0
35°	414.6	410.1	406.8	403.5	399.6	396.2	397.9	399.0	400.7	401.8	412.9
37.5°	412.9	408.5	404.6	400.7	396.2	392.3	394.0	396.2	397.9	399.6	407.9
40°	410.1	404.6	402.3	400.1	397.9	395.7	396.8	397.9	398.4	399.6	405.7
42.5°	408.5	404.0	402.9	401.8	400.7	399.6	400.7	401.8	402.3	403.5	410.7
45°	404.6	402.3	403.5	404.6	405.7	406.8	406.8	406.8	406.8	406.8	414.6
47.5°	395.7	394.6	397.9	401.2	404.6	407.9	413.5	419.0	424.0	429.6	431.3
50°	384.5	384.5	390.1	395.7	400.7	406.2	419.6	432.4	445.8	458.5	450.2
52.5°	370.6	371.2	379.5	387.3	395.7	403.5	415.7	427.9	439.6	451.9	439.6
55°	350.6	352.3	362.8	372.9	383.4	393.4	402.9	412.4	421.8	431.3	418.5
57.5°	332.8	335.0	346.1	356.7	367.8	378.4	384.0	390.1	395.7	401.2	392.9
60°	316.1	319.4	333.9	348.4	362.3	376.7	372.3	367.8	362.8	358.4	357.8
62.5°	298.8	302.7	316.1	329.4	342.2	355.6	348.9	342.2	335.0	328.3	331.1
65°	277.1	281.0	287.2	293.3	298.8	305.0	304.4	304.4	303.8	303.3	308.9
67.5°	252.6	255.4	259.3	262.7	266.6	269.9	272.1	274.9	277.1	279.4	286.0
70°	226.5	229.3	233.2	236.5	240.4	243.7	246.5	249.3	251.5	254.3	261.0
72.5°	199.8	202.6	206.5	210.4	213.7	217.6	219.8	222.0	223.7	225.9	231.5
75°	171.4	174.7	178.6	182.0	185.9	189.2	190.9	192.5	194.2	195.9	200.9
77.5°	142.5	146.4	150.3	154.1	158.0	161.9	162.5	163.1	163.6	164.2	168.6
80°	111.9	116.9	120.8	124.7	128.5	132.4	132.4	132.4	132.4	132.4	134.7
82.5°	79.6	84.0	88.5	92.4	96.8	100.7	100.7	100.2	100.2	99.6	99.6
85°	45.6	49.5	52.3	55.6	58.4	61.2	61.2	61.2	60.7	60.7	59.5
87.5°	7.2	9.5	10.6	12.2	13.4	14.5	13.9	13.9	13.4	12.8	11.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596708
 CATALOG NUMBER: MSA-SA3C-827-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: P596708

CATALOG NUMBER: MSA-SA3C-827-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1281.6	1295.5	1309.4	1307.2	1305.0	1302.7	1300.5	1308.9	1316.7	1325.0	1332.8
5°	1303.9	1312.2	1320.0	1326.1	1332.2	1338.4	1344.5	1372.9	1400.7	1429.1	1456.9
7.5°	1167.5	1164.7	1162.5	1188.7	1215.4	1241.5	1267.7	1303.9	1340.0	1376.2	1412.4
10°	1109.1	1115.2	1121.3	1131.9	1143.0	1153.6	1164.2	1199.8	1235.4	1271.0	1306.6
12.5°	1167.0	1201.5	1235.4	1243.8	1252.7	1261.0	1269.4	1276.6	1283.8	1290.5	1297.7
15°	1073.5	1111.3	1149.2	1170.9	1192.6	1213.7	1235.4	1290.0	1343.9	1398.5	1452.4
17.5°	928.2	971.6	1014.5	1067.9	1121.3	1174.8	1228.2	1278.3	1328.3	1377.9	1428.0
20°	783.5	840.3	897.6	956.1	1013.9	1072.4	1130.2	1179.2	1228.2	1276.6	1325.6
22.5°	645.5	692.3	738.5	809.7	880.4	951.6	1022.3	1113.5	1204.3	1295.5	1386.2
25°	578.8	615.5	651.7	725.1	798.6	871.5	944.9	1063.5	1181.4	1300.0	1417.9
27.5°	555.4	568.2	581.0	647.8	714.0	780.8	847.0	975.0	1103.0	1230.4	1358.4
30°	548.1	552.6	557.0	609.4	661.7	714.0	766.3	892.6	1019.5	1145.8	1272.1
32.5°	462.4	472.5	481.9	533.1	583.8	635.0	685.6	813.0	939.9	1067.4	1194.2
35°	424.0	435.2	446.3	496.4	546.5	596.0	646.1	780.2	914.9	1049.0	1183.1
37.5°	416.3	424.6	433.0	489.7	546.5	603.2	660.0	795.8	931.6	1067.4	1203.1
40°	412.4	418.5	424.6	479.7	535.3	590.4	645.5	788.0	929.9	1072.4	1214.3
42.5°	417.4	424.6	431.3	481.4	530.9	581.0	630.5	778.0	924.9	1072.4	1219.3
45°	421.8	429.6	436.8	483.6	530.3	577.1	623.8	781.3	938.2	1095.7	1252.7
47.5°	432.4	434.1	435.2	475.8	515.9	556.5	596.6	756.8	917.1	1076.8	1237.1
50°	441.3	433.0	424.0	466.3	508.1	550.4	592.1	744.0	896.0	1047.3	1199.2
52.5°	427.4	414.6	402.3	448.0	493.6	538.7	584.3	736.2	888.7	1040.6	1192.6
55°	406.2	393.4	380.6	426.8	473.0	519.2	565.4	716.8	868.7	1020.1	1171.4
57.5°	385.1	376.7	368.4	406.2	444.6	482.5	520.3	684.5	848.1	1012.3	1175.9
60°	357.3	356.2	355.6	385.1	415.1	444.6	474.1	635.0	795.2	956.1	1116.3
62.5°	333.3	336.1	338.3	362.3	386.2	409.6	433.5	588.8	744.6	899.8	1055.1
65°	315.0	320.5	326.1	353.4	380.6	407.4	434.6	564.8	695.1	825.3	955.5
67.5°	292.7	299.4	306.1	341.7	377.3	412.9	448.5	555.9	663.3	770.7	878.1
70°	267.1	273.8	279.9	325.5	370.6	416.3	461.3	556.5	652.2	747.4	842.5
72.5°	237.1	242.6	248.2	297.2	346.1	395.1	444.1	524.8	605.5	685.6	766.3
75°	206.5	211.5	216.5	258.8	301.1	343.4	385.6	448.0	509.7	572.1	633.8
77.5°	172.5	177.0	180.9	209.2	237.6	266.0	294.4	342.2	389.5	437.4	484.7
80°	136.9	139.1	141.3	158.0	174.2	190.9	207.0	238.7	270.5	301.6	333.3
82.5°	100.2	100.2	100.2	110.7	121.9	132.4	143.0	159.2	174.7	190.9	206.5
85°	58.4	56.8	55.6	62.9	70.1	77.4	84.6	91.3	97.9	104.6	111.3
87.5°	9.5	7.2	5.6	10.0	14.5	18.9	23.4	25.6	28.4	30.6	32.8
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: P596708
 CATALOG NUMBER: MSA-SA3C-827-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: P596708

CATALOG NUMBER: MSA-SA3C-827-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1313.9	1295.5	1276.6	1257.7	1285.5	1313.3	1341.1	1369.0	1443.0	1486.9	1489.7
5°	1480.3	1503.6	1527.0	1550.4	1573.8	1597.1	1620.0	1643.3	1763.5	1837.5	1851.5
7.5°	1450.8	1489.7	1528.1	1566.5	1632.7	1699.0	1765.2	1831.4	1933.3	2006.7	2055.1
10°	1354.5	1402.4	1450.2	1498.1	1576.5	1655.6	1734.0	1812.5	1920.5	2017.3	2063.5
12.5°	1374.0	1450.2	1525.9	1602.1	1670.0	1738.5	1806.4	1874.3	1948.8	1985.6	2069.6
15°	1505.3	1558.2	1611.0	1663.9	1766.3	1868.1	1970.5	2072.4	2114.7	2198.7	2274.4
17.5°	1525.3	1622.2	1719.6	1816.4	1941.6	2066.8	2192.0	2317.2	2395.7	2504.2	2595.5
20°	1463.0	1599.9	1737.4	1874.3	2035.7	2197.6	2359.0	2520.4	2620.0	2711.2	2852.6
22.5°	1537.6	1689.0	1839.8	1991.1	2205.4	2419.1	2633.3	2847.0	3055.1	3258.8	3354.5
25°	1620.0	1822.5	2024.5	2226.5	2494.2	2761.3	3029.0	3296.1	3563.8	3754.7	3864.8
27.5°	1562.1	1765.2	1968.9	2172.0	2503.1	2834.8	3165.9	3497.0	3783.6	4013.4	4108.0
30°	1521.5	1770.8	2020.1	2269.4	2657.8	3046.2	3434.7	3823.1	4088.0	4344.5	4483.7
32.5°	1514.2	1834.2	2153.6	2473.6	2926.0	3377.9	3830.3	4282.2	4458.1	4685.7	4873.2
35°	1534.3	1886.0	2237.1	2588.2	3106.9	3625.5	4143.6	4662.3	4912.2	5137.5	5301.7
37.5°	1595.5	1987.8	2379.6	2771.9	3396.8	4022.3	4647.3	5272.2	5691.3	6103.6	6177.1
40°	1630.0	2046.2	2461.9	2877.6	3604.4	4331.2	5058.0	5784.7	6266.7	6719.1	6749.7
42.5°	1670.6	2121.9	2572.7	3024.0	3829.8	4636.1	5441.9	6247.7	6844.3	7330.7	7345.1
45°	1717.3	2181.5	2646.1	3110.2	3951.7	4792.5	5633.9	6474.8	7196.0	7787.0	7642.9
47.5°	1735.7	2234.9	2733.5	3232.1	4129.2	5025.7	5922.8	6819.3	7466.5	8004.0	7866.0
50°	1742.9	2287.2	2830.9	3374.6	4303.9	5233.8	6163.2	7092.5	7750.8	8275.0	8063.6
52.5°	1788.0	2383.5	2978.9	3574.4	4542.6	5510.9	6479.2	7447.5	8095.3	8598.9	8336.3
55°	1848.7	2525.9	3202.6	3879.9	4882.1	5883.8	6886.0	7887.7	8537.7	9006.3	8680.7
57.5°	1904.9	2634.4	3363.4	4092.4	5130.9	6169.8	7208.3	8246.7	8905.0	9368.6	9053.0
60°	1877.6	2638.9	3400.2	4161.5	5182.1	6202.1	7222.7	8242.8	8990.1	9546.1	9384.7
62.5°	1795.2	2535.4	3275.0	4015.1	4983.9	5952.2	6921.1	7889.4	8764.2	9477.1	9469.8
65°	1636.6	2317.8	2998.4	3679.5	4576.0	5473.1	6369.6	7266.1	8297.3	9163.2	9219.4
67.5°	1443.5	2008.9	2574.3	3139.7	3983.9	4828.1	5672.3	6516.5	7618.9	8574.4	8622.9
70°	1256.6	1671.1	2085.2	2499.2	3240.5	3981.7	4722.4	5463.6	6577.2	7543.8	7588.3
72.5°	1037.3	1308.3	1578.8	1849.8	2450.2	3050.7	3650.6	4251.0	5228.8	5972.3	6223.3
75°	794.7	955.5	1116.3	1277.2	1763.0	2248.8	2734.0	3219.9	3869.9	4418.6	4701.3
77.5°	568.2	651.7	735.1	818.6	1231.5	1644.4	2056.8	2469.7	2811.4	3122.5	3313.4
80°	372.9	411.8	451.3	490.3	833.6	1177.0	1519.8	1863.1	2071.3	2238.2	2334.5
82.5°	225.9	245.4	264.3	283.8	562.1	840.3	1118.0	1396.2	1515.3	1594.9	1680.6
85°	121.9	132.4	143.0	153.6	332.2	510.3	688.9	867.0	878.7	888.2	1015.6
87.5°	35.6	39.0	41.7	44.5	73.5	103.0	131.9	160.8	100.2	62.3	128.0
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: P596708
 CATALOG NUMBER: MSA-SA3C-827-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: P596708

CATALOG NUMBER: MSA-SA3C-827-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1473.6	1466.4	1459.1	1451.3	1444.1	1413.5	1383.4	1352.8	1322.2	1351.7	1380.7
5°	1835.3	1857.6	1879.3	1901.5	1923.8	1925.5	1926.6	1928.2	1929.4	1934.9	1940.5
7.5°	2095.8	2135.3	2174.2	2213.7	2253.2	2283.8	2314.5	2345.6	2376.2	2348.4	2320.6
10°	2118.0	2201.5	2285.0	2368.4	2451.9	2466.9	2481.4	2496.4	2511.5	2531.5	2551.0
12.5°	2140.3	2242.1	2343.4	2445.2	2547.1	2591.6	2635.5	2680.1	2724.0	2745.7	2766.9
15°	2375.7	2435.8	2495.3	2555.4	2615.0	2645.6	2675.6	2706.2	2736.8	2755.2	2773.0
17.5°	2678.4	2700.7	2722.4	2744.6	2766.9	2787.5	2808.1	2828.7	2849.2	2852.6	2855.9
20°	2954.4	2958.9	2962.8	2967.2	2971.1	2927.7	2884.9	2841.5	2798.0	2805.8	2813.1
22.5°	3368.5	3344.0	3320.0	3295.5	3271.6	3189.8	3108.6	3026.8	2945.5	2910.5	2876.0
25°	3991.7	3929.4	3867.1	3804.7	3742.4	3612.2	3482.5	3352.3	3222.6	3146.4	3070.7
27.5°	4192.6	4056.8	3921.6	3785.8	3650.0	3551.5	3453.6	3355.1	3257.2	3136.4	3015.6
30°	4598.9	4384.6	4170.9	3956.7	3742.4	3647.3	3552.1	3456.4	3361.2	3237.7	3114.7
32.5°	4958.9	4736.3	4513.7	4290.6	4068.0	3887.7	3707.4	3527.1	3346.7	3263.3	3179.8
35°	5375.7	5095.8	4815.9	4536.0	4256.1	4101.4	3947.2	3792.5	3638.3	3512.0	3386.3
37.5°	5982.9	5685.1	5387.4	5089.1	4791.4	4582.2	4373.5	4164.2	3955.6	3886.0	3817.0
40°	6561.6	6209.9	5858.8	5507.1	5155.9	4995.6	4835.4	4674.5	4514.3	4396.8	4279.4
42.5°	7046.3	6698.5	6351.3	6003.4	5656.2	5539.3	5423.0	5306.2	5189.9	5093.0	4996.2
45°	7212.7	6928.9	6645.6	6361.8	6078.0	6036.8	5996.2	5955.0	5914.4	5842.6	5770.8
47.5°	7480.4	7191.0	6902.2	6612.8	6323.4	6338.5	6353.5	6369.1	6384.1	6388.0	6391.3
50°	7637.9	7363.0	7088.6	6813.7	6539.3	6612.2	6684.6	6757.5	6830.4	6995.7	7160.4
52.5°	7867.7	7597.8	7328.5	7058.6	6788.7	6912.2	7035.2	7158.7	7281.7	7513.2	7744.7
55°	8156.0	7897.7	7640.1	7381.9	7124.2	7244.4	7364.1	7484.3	7603.9	7861.6	8119.2
57.5°	8538.3	8261.7	7985.7	7709.1	7433.1	7543.8	7654.0	7764.7	7874.9	8119.8	8364.6
60°	8973.4	8672.9	8372.4	8071.4	7770.9	7801.5	7831.5	7862.1	7892.2	8157.6	8422.5
62.5°	9187.1	8908.9	8631.2	8353.0	8074.7	7989.6	7904.4	7818.7	7733.6	7971.2	8208.3
65°	9001.8	8810.4	8619.5	8428.1	8236.6	8086.4	7936.7	7786.4	7636.2	7784.8	7932.8
67.5°	8411.9	8303.4	8195.5	8087.0	7978.4	7726.3	7474.3	7221.6	6969.5	6979.5	6989.0
70°	7455.9	7427.0	7398.6	7369.6	7340.7	6961.7	6583.3	6204.3	5825.4	5767.5	5709.6
72.5°	6244.4	6263.3	6281.7	6300.6	6319.5	5912.2	5504.8	5097.5	4690.1	4593.8	4497.6
75°	4836.5	4941.1	5045.7	5150.9	5255.5	4866.0	4476.4	4086.3	3696.8	3578.2	3459.7
77.5°	3417.4	3612.8	3807.5	4002.9	4198.2	3845.9	3494.2	3142.0	2789.7	2712.9	2636.1
80°	2382.9	2478.6	2574.3	2670.1	2765.8	2588.8	2411.8	2234.9	2057.9	2079.1	2099.6
82.5°	1735.7	1758.0	1779.7	1801.9	1824.2	1751.8	1679.5	1606.6	1534.3	1589.3	1644.4
85°	1111.9	1191.5	1270.5	1350.1	1429.1	1348.9	1268.8	1188.1	1108.0	1144.7	1181.4
87.5°	248.8	393.4	538.1	683.4	828.1	750.2	672.8	594.9	517.0	481.9	447.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596708
 CATALOG NUMBER: MSA-SA3C-827-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: P596708

CATALOG NUMBER: MSA-SA3C-827-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1410.2	1439.6	1430.7	1422.4	1413.5	1404.6	1420.7	1436.9	1453.6	1469.7	1464.1
5°	1946.6	1952.2	1899.3	1847.0	1794.1	1741.3	1774.1	1806.9	1839.8	1872.6	1860.9
7.5°	2292.7	2264.9	2234.3	2203.7	2172.5	2141.9	2135.3	2128.6	2121.4	2114.7	2105.8
10°	2571.0	2590.5	2570.4	2551.0	2530.9	2510.9	2464.1	2417.4	2370.1	2323.4	2303.9
12.5°	2788.6	2810.3	2815.3	2819.7	2824.8	2829.8	2777.5	2725.7	2673.4	2621.1	2573.8
15°	2791.4	2809.7	2825.9	2841.5	2857.6	2873.2	2840.9	2809.2	2776.9	2744.6	2729.6
17.5°	2859.8	2863.2	2849.8	2837.0	2823.6	2810.8	2798.0	2785.8	2773.0	2760.8	2736.8
20°	2820.9	2828.7	2827.0	2825.3	2823.1	2821.4	2822.5	2823.1	2824.2	2824.8	2811.4
22.5°	2840.9	2805.8	2813.1	2819.7	2827.0	2833.7	2853.7	2873.7	2894.3	2914.4	2967.8
25°	2994.5	2918.2	2906.6	2895.4	2883.7	2872.6	2924.9	2976.7	3029.0	3081.3	3168.1
27.5°	2894.3	2773.6	2746.8	2720.1	2693.4	2666.7	2746.3	2825.3	2904.9	2984.5	3073.0
30°	2991.1	2868.2	2809.2	2750.2	2690.6	2631.7	2707.9	2783.6	2859.8	2935.5	3033.4
32.5°	3096.3	3012.9	2973.3	2934.4	2894.9	2855.9	2862.0	2868.2	2874.3	2880.4	3018.4
35°	3259.9	3133.6	3094.7	3055.7	3016.7	2977.8	3042.9	3107.5	3172.6	3237.1	3354.0
37.5°	3747.4	3677.9	3607.7	3537.6	3466.9	3396.8	3435.2	3473.6	3512.0	3550.4	3660.6
40°	4162.0	4044.6	4032.9	4021.8	4010.1	3998.4	4001.7	4004.5	4007.9	4011.2	4105.2
42.5°	4898.8	4802.0	4742.4	4682.9	4623.3	4563.8	4559.9	4556.0	4551.6	4547.7	4618.3
45°	5698.5	5626.7	5582.2	5537.7	5492.6	5448.1	5377.4	5306.7	5235.5	5164.8	5226.6
47.5°	6395.2	6399.1	6479.8	6559.9	6640.6	6721.3	6600.6	6479.8	6359.0	6238.3	6158.7
50°	7325.7	7490.4	7509.9	7528.8	7548.3	7567.7	7363.0	7158.7	6953.9	6749.1	6665.7
52.5°	7976.8	8208.3	8178.2	8148.7	8118.7	8088.6	7970.1	7852.1	7733.6	7615.0	7433.1
55°	8377.4	8635.1	8612.3	8590.0	8567.2	8544.4	8458.1	8371.9	8285.6	8199.4	7999.6
57.5°	8609.5	8854.4	8861.0	8867.7	8874.4	8881.1	8858.3	8835.4	8812.6	8789.8	8529.9
60°	8688.0	8953.4	8956.2	8958.4	8961.2	8963.4	8927.3	8891.1	8854.4	8818.2	8648.5
62.5°	8445.9	8683.0	8693.5	8703.5	8714.1	8724.7	8699.7	8674.6	8649.6	8624.5	8498.8
65°	8081.4	8230.0	8232.8	8235.0	8237.8	8240.5	8177.1	8114.2	8050.8	7987.3	7957.3
67.5°	6999.0	7009.0	7068.0	7127.0	7186.0	7245.0	7250.0	7255.0	7260.6	7265.6	7222.2
70°	5651.7	5593.9	5657.9	5721.9	5785.9	5849.9	5877.1	5904.4	5932.2	5959.5	5979.5
72.5°	4400.7	4304.5	4351.8	4399.1	4446.9	4494.2	4453.6	4413.0	4372.4	4331.7	4460.3
75°	3341.2	3222.6	3216.5	3211.0	3204.8	3199.3	3178.7	3158.1	3136.9	3116.4	3236.6
77.5°	2558.8	2482.0	2485.9	2489.2	2493.1	2496.4	2475.3	2454.7	2433.5	2412.4	2458.6
80°	2120.8	2141.4	2141.9	2142.5	2143.1	2143.6	2123.6	2104.1	2084.1	2064.0	2030.6
82.5°	1700.1	1755.2	1754.6	1754.6	1754.1	1753.5	1752.4	1751.3	1749.6	1748.5	1694.0
85°	1218.2	1254.9	1217.0	1179.2	1141.4	1103.5	1131.3	1159.2	1187.6	1215.4	1192.6
87.5°	412.4	377.9	332.8	288.3	243.2	198.1	246.5	294.9	343.9	392.3	420.2
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: P596708
 CATALOG NUMBER: MSA-SA3C-827-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-SA3C-827-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1459.1	1453.6	1448.6	1413.5	1377.9	1342.8	1307.2	1371.8	1436.9	1501.4	1566.0
5°	1849.8	1838.1	1827.0	1824.2	1821.4	1818.1	1815.3	1848.1	1880.9	1913.2	1946.1
7.5°	2096.9	2088.0	2079.1	2055.7	2032.9	2009.5	1986.1	2006.2	2025.6	2045.7	2065.1
10°	2285.0	2265.5	2246.0	2195.4	2145.3	2094.6	2044.0	2029.0	2013.9	1998.9	1983.9
12.5°	2526.5	2478.6	2431.3	2374.0	2316.1	2258.8	2200.9	2193.1	2185.3	2178.1	2170.3
15°	2715.1	2700.1	2685.1	2639.4	2593.8	2548.2	2502.5	2441.3	2379.6	2318.3	2257.1
17.5°	2713.5	2689.5	2666.2	2727.4	2788.0	2849.2	2909.9	2844.8	2779.1	2714.0	2648.9
20°	2798.0	2784.1	2770.8	2883.7	2996.2	3109.1	3221.5	3185.9	3149.7	3114.1	3078.0
22.5°	3020.6	3074.1	3126.9	3223.8	3320.0	3416.9	3513.1	3553.8	3594.4	3635.0	3675.6
25°	3254.4	3341.2	3428.0	3572.1	3715.7	3859.8	4004.0	4032.9	4061.8	4090.8	4119.7
27.5°	3160.9	3249.4	3337.8	3446.9	3555.4	3664.5	3773.0	3899.9	4027.3	4154.2	4281.1
30°	3130.8	3228.8	3326.2	3475.9	3625.0	3774.7	3924.4	4099.1	4273.9	4448.0	4622.8
32.5°	3155.9	3293.9	3431.9	3634.5	3836.5	4039.0	4241.6	4425.2	4609.4	4793.1	4976.7
35°	3470.3	3587.2	3703.5	3930.0	4156.4	4382.9	4609.4	4824.8	5040.2	5255.0	5470.3
37.5°	3770.2	3880.4	3990.6	4222.1	4453.1	4684.6	4916.1	5256.1	5596.6	5936.7	6276.7
40°	4198.7	4292.8	4386.3	4584.4	4782.5	4980.6	5178.7	5588.9	5999.0	6409.1	6819.3
42.5°	4688.5	4759.1	4829.2	5034.6	5239.9	5445.3	5650.6	6096.9	6543.8	6990.1	7436.4
45°	5287.8	5349.6	5411.3	5552.7	5694.0	5835.9	5977.3	6437.5	6897.7	7357.9	7818.2
47.5°	6079.1	5999.5	5920.0	5989.5	6059.1	6128.7	6198.2	6653.4	7108.6	7563.3	8018.5
50°	6582.2	6498.7	6415.2	6421.4	6426.9	6433.1	6439.2	6863.8	7288.4	7712.4	8137.0
52.5°	7251.1	7068.6	6886.6	6884.9	6883.3	6881.0	6879.4	7249.4	7620.1	7990.1	8360.2
55°	7799.8	7600.0	7400.2	7361.3	7322.3	7282.8	7243.9	7610.0	7975.7	8341.8	8707.4
57.5°	8270.0	8009.6	7749.7	7688.5	7627.3	7566.1	7504.9	7899.4	8294.5	8689.1	9083.6
60°	8479.3	8309.5	8140.4	8065.2	7990.1	7915.0	7839.9	8176.0	8512.1	8847.7	9183.8
62.5°	8373.5	8247.8	8122.6	8139.8	8157.1	8174.3	8191.6	8383.6	8576.1	8768.1	8960.1
65°	7927.8	7897.7	7868.3	8007.4	8146.5	8285.6	8424.7	8427.5	8430.3	8433.1	8435.9
67.5°	7178.8	7135.3	7091.9	7381.3	7670.1	7959.5	8248.9	8111.4	7974.0	7837.1	7699.6
70°	5999.0	6019.0	6038.5	6432.5	6825.9	7219.9	7613.9	7414.7	7214.9	7015.7	6815.9
72.5°	4588.8	4717.9	4846.5	5255.0	5663.4	6071.9	6480.4	6252.8	6024.6	5797.0	5568.8
75°	3356.8	3477.0	3597.2	4000.6	4404.1	4808.1	5211.6	4941.1	4670.6	4400.7	4130.3
77.5°	2504.8	2551.5	2597.7	2933.3	3268.3	3603.8	3938.9	3667.3	3395.7	3124.7	2853.1
80°	1997.8	1964.4	1931.6	2117.5	2303.3	2489.2	2675.1	2482.5	2289.4	2096.9	1904.3
82.5°	1640.0	1585.4	1531.5	1600.5	1669.5	1739.0	1808.0	1653.9	1499.7	1345.6	1191.5
85°	1169.7	1146.9	1124.1	1144.1	1163.6	1183.7	1203.7	1053.4	903.2	753.5	603.2
87.5°	447.4	475.2	503.1	534.8	566.0	597.7	628.8	492.5	356.2	220.4	84.0
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: P596708
 CATALOG NUMBER: MSA-SA3C-827-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P596708
 CATALOG NUMBER: MSA-SA3C-827-U-SLR

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1209.3	1209.3
2.5°	1592.7	1619.4
5°	1945.5	1944.9
7.5°	2056.2	2046.8
10°	1959.4	1934.9
12.5°	2098.0	2025.1
15°	2184.8	2111.9
17.5°	2539.3	2429.1
20°	2947.2	2815.9
22.5°	3475.9	3276.1
25°	3881.0	3641.7
27.5°	4139.2	3996.7
30°	4459.7	4296.7
32.5°	4856.5	4735.8
35°	5360.1	5249.4
37.5°	6242.2	6207.1
40°	6777.5	6735.2
42.5°	7438.1	7439.2
45°	7843.2	7868.3
47.5°	8081.9	8144.8
50°	8272.3	8406.9
52.5°	8544.4	8728.6
55°	8952.3	9196.6
57.5°	9291.8	9499.9
60°	9291.8	9399.2
62.5°	8957.3	8954.0
65°	8384.1	8331.8
67.5°	7634.0	7568.3
70°	6713.5	6610.6
72.5°	5441.4	5313.4
75°	3955.0	3779.1
77.5°	2769.7	2685.6
80°	1944.9	1985.6
82.5°	1249.3	1307.2
85°	594.3	585.4
87.5°	70.1	56.2
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: P596708
CATALOG NUMBER: MSA-SA3C-827-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)