

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: P596686

Luminaire Tested: **MSA-SA3B-827-U-SLR**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P596686
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-SA3B-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: 9257 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

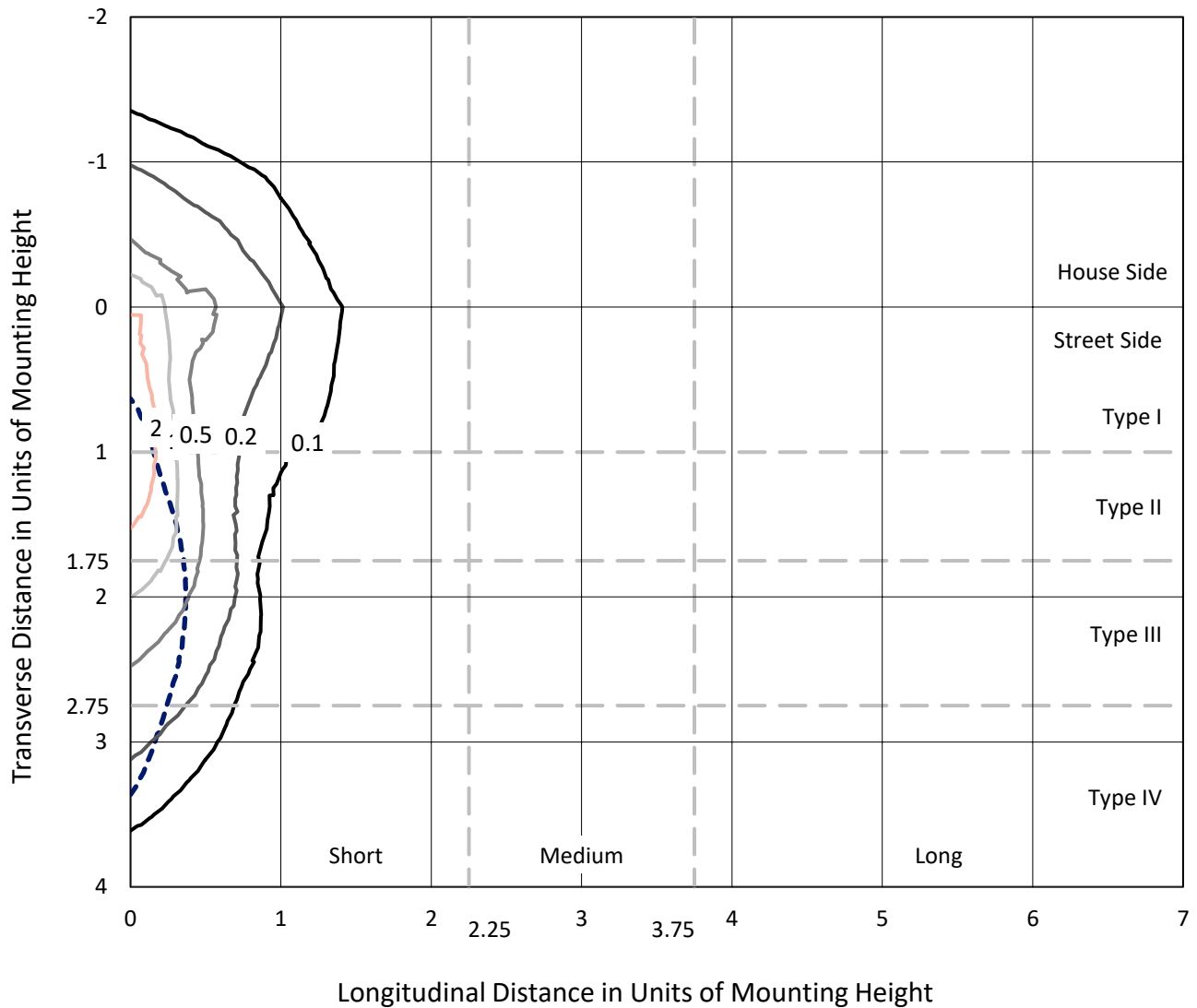
Input Watts (W): 126
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

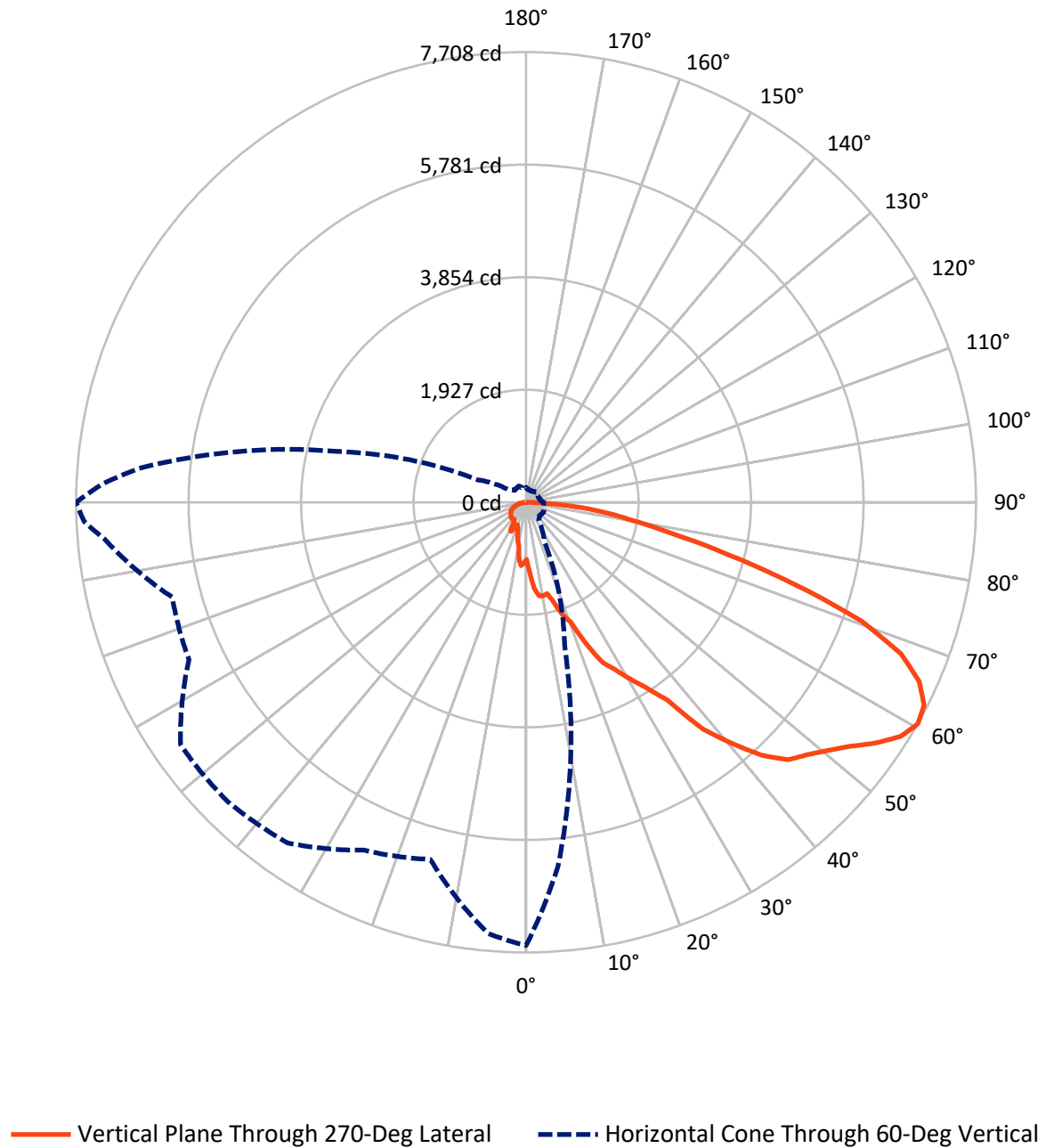
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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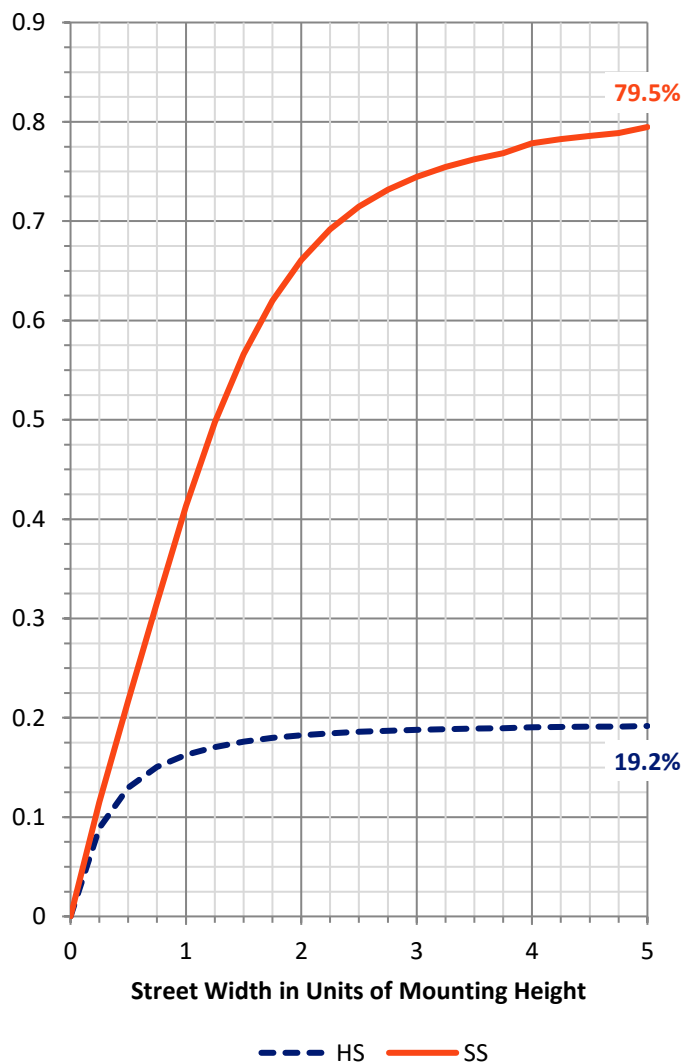
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1792.9	0.0	1792.9
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	7464.1	0.0	7464.1
	% Fixture	80.6	0.0	80.6
Total	Lumens	9257.0	0.0	9257.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.9	1.2
10°-20°	325.3	3.5
20°-30°	574.2	6.2
30°-40°	894.3	9.7
40°-50°	1472.3	15.9
50°-60°	2101.5	22.7
60°-70°	2228.3	24.1
70°-80°	1230.8	13.3
80°-90°	318.4	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°	9257.0	100.0
0°-180°	9257.0	100.0

Coefficient of Utilization



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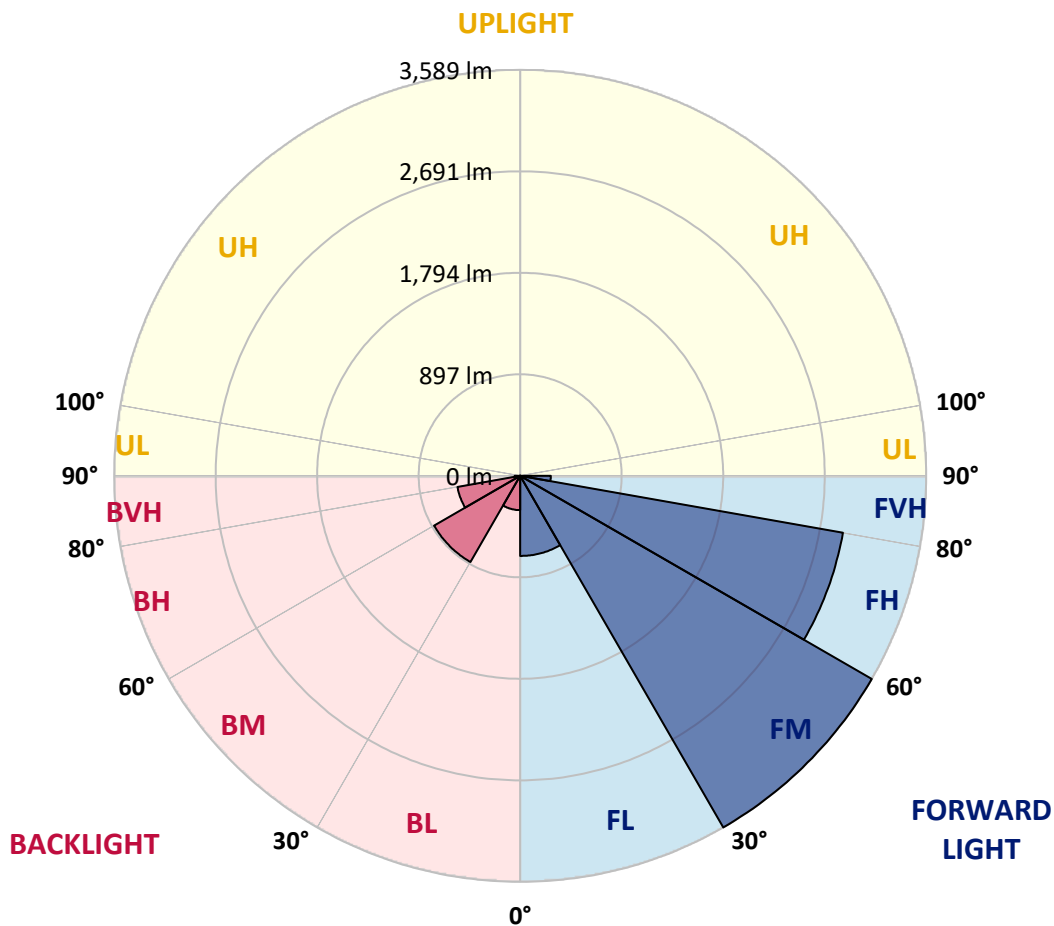
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	708.3	7.7			
FM (30°-60°)	3588.6	38.8			
FH (60°-80°)	2896.5	31.3			G2/5000
FVH (80°-90°)	270.7	2.9			G3/500
BL (0°-30°)	303.1	3.3	B1/500		
BM (30°-60°)	879.5	9.5	B1/1000		
BH (60°-80°)	562.6	6.1	B2/1000		G2/1000
BVH (80°-90°)	47.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4
2.5°	1307.5	1315.6	1323.2	1308.0	1292.7	1277.0	1261.7	1238.8	1215.4	1192.5	1169.1
5°	1570.4	1540.7	1510.6	1498.5	1486.8	1474.7	1462.5	1451.3	1440.1	1428.4	1417.2
7.5°	1652.6	1610.4	1567.7	1549.7	1531.7	1513.3	1495.3	1454.9	1414.5	1373.6	1333.1
10°	1562.3	1518.3	1473.8	1456.2	1438.3	1420.7	1402.8	1353.4	1304.4	1255.0	1205.5
12.5°	1635.1	1590.1	1544.8	1489.0	1433.3	1377.2	1321.4	1294.0	1266.6	1238.8	1211.4
15°	1705.2	1644.5	1583.4	1527.7	1472.0	1415.8	1360.1	1305.3	1250.5	1195.6	1140.8
17.5°	1961.3	1860.2	1759.1	1658.4	1557.3	1456.7	1355.6	1292.2	1228.4	1165.1	1101.3
20°	2273.6	2132.9	1991.8	1839.1	1685.8	1533.1	1379.9	1299.9	1220.4	1140.4	1060.4
22.5°	2645.1	2467.7	2290.2	2097.4	1904.7	1711.5	1518.7	1402.8	1286.9	1170.5	1054.6
25°	2940.3	2769.6	2598.9	2354.4	2110.0	1865.6	1621.1	1489.5	1357.8	1225.7	1094.1
27.5°	3227.0	2955.2	2682.9	2403.0	2123.5	1843.6	1563.6	1441.9	1320.1	1198.3	1076.6
30°	3469.2	3253.5	3037.9	2672.6	2307.3	1941.5	1576.2	1426.6	1277.0	1127.3	977.7
32.5°	3823.7	3515.9	3207.7	2826.7	2445.6	2064.6	1683.6	1492.2	1300.8	1109.4	918.0
35°	4238.4	3918.5	3598.6	3127.3	2656.4	2185.0	1713.7	1511.1	1308.0	1105.3	902.2
37.5°	5011.7	4447.8	3883.5	3369.0	2854.5	2339.6	1825.1	1589.7	1354.3	1118.4	882.9
40°	5438.1	4916.9	4395.7	3754.5	3113.3	2471.7	1830.5	1589.7	1348.4	1107.6	866.3
42.5°	6006.5	5347.4	4687.8	3994.5	3301.6	2608.3	1915.0	1648.1	1381.2	1113.9	847.0
45°	6352.9	5618.3	4883.2	4142.3	3401.4	2660.4	1919.5	1648.6	1377.6	1106.7	835.7
47.5°	6576.2	5870.8	5164.9	4367.4	3569.8	2771.9	1974.3	1686.7	1398.7	1111.2	823.2
50°	6787.9	6089.2	5390.0	4561.9	3734.3	2906.2	2078.1	1764.0	1450.0	1135.4	821.4
52.5°	7047.6	6404.2	5760.3	4872.0	3983.2	3094.9	2206.2	1864.2	1522.3	1180.4	838.4
55°	7425.5	6791.5	6157.0	5203.6	4249.7	3296.2	2342.3	1962.6	1583.4	1203.7	824.1
57.5°	7670.3	7027.4	6384.4	5412.1	4439.7	3467.0	2494.6	2074.1	1653.5	1232.5	811.9
60°	7589.0	6925.8	6262.2	5335.2	4408.3	3481.3	2554.4	2100.1	1646.3	1192.0	737.8
62.5°	7229.6	6524.6	5819.6	4989.2	4159.4	3329.0	2498.7	2036.8	1575.3	1113.4	651.5
65°	6727.2	5998.4	5269.2	4520.2	3771.1	3022.1	2273.1	1853.9	1434.2	1015.0	595.3
67.5°	6110.8	5351.0	4590.7	3927.5	3264.3	2600.7	1937.5	1587.0	1237.0	886.5	536.0
70°	5337.5	4590.7	3843.9	3270.2	2696.4	2122.6	1548.8	1285.1	1021.8	758.0	494.3
72.5°	4290.1	3645.8	3001.5	2549.9	2098.3	1646.8	1195.2	1011.9	829.0	645.7	462.4
75°	3051.3	2672.6	2293.8	1942.4	1591.0	1239.2	887.9	769.2	650.6	532.0	413.4
77.5°	2168.4	1945.1	1721.8	1446.4	1170.9	895.5	620.1	550.4	481.2	411.6	341.9
80°	1603.2	1416.7	1230.2	1022.7	815.1	607.5	399.9	365.7	332.0	297.9	263.8
82.5°	1055.5	971.4	887.0	722.5	558.1	393.6	229.2	216.6	204.0	191.4	178.8
85°	472.7	499.2	525.3	424.6	323.5	222.9	121.8	115.9	110.1	104.2	98.4
87.5°	45.4	66.9	88.5	75.9	62.9	50.3	37.3	36.8	36.8	36.4	35.9
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°	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4
2.5°	1175.4	1181.7	1188.0	1194.3	1187.6	1180.8	1173.6	1166.9	1158.3	1149.8	1140.8
5°	1398.3	1379.0	1360.1	1340.8	1312.0	1283.3	1254.1	1225.3	1221.7	1217.7	1214.1
7.5°	1297.6	1262.6	1227.1	1191.6	1146.7	1102.2	1057.2	1012.3	998.8	985.4	971.9
10°	1181.7	1157.4	1133.6	1109.4	1081.5	1053.7	1025.3	997.5	960.6	923.4	886.5
12.5°	1171.8	1132.3	1092.3	1052.8	1035.7	1018.6	1001.5	984.5	952.1	919.8	887.0
15°	1108.9	1076.6	1044.7	1012.3	987.6	962.9	938.2	913.5	887.4	860.9	834.8
17.5°	1064.4	1027.6	990.8	953.9	925.6	897.3	868.5	840.2	808.8	776.9	745.4
20°	1018.2	976.4	934.1	891.9	856.0	820.5	784.5	748.6	714.0	679.8	645.2
22.5°	999.3	944.0	888.8	833.5	795.7	757.6	719.8	681.6	649.7	617.8	585.9
25°	1028.0	962.4	896.4	830.3	779.6	728.3	677.6	626.4	599.8	573.3	546.4
27.5°	994.3	911.7	829.4	746.8	692.4	637.6	583.2	528.4	524.4	520.3	515.8
30°	891.0	804.3	717.6	630.8	581.0	530.6	480.8	430.4	421.0	411.1	401.7
32.5°	829.4	740.9	652.4	563.9	519.4	474.5	430.0	385.1	374.3	363.5	352.7
35°	806.1	709.9	613.8	517.6	479.4	441.2	403.0	364.8	357.2	350.0	342.4
37.5°	787.2	692.0	596.2	500.5	463.7	426.9	389.6	352.7	346.9	341.0	335.2
40°	769.2	672.6	575.6	478.5	445.7	413.4	380.6	347.8	344.2	340.6	336.5
42.5°	753.1	659.2	564.8	470.9	441.7	412.9	383.7	354.5	350.9	347.3	343.7
45°	744.1	652.4	560.8	469.1	448.0	426.9	405.3	384.2	375.6	367.1	358.1
47.5°	737.3	651.5	565.7	479.9	457.9	435.8	413.8	391.8	384.2	376.5	368.4
50°	738.7	656.5	573.8	491.1	464.6	437.6	411.1	384.2	383.3	382.4	381.5
52.5°	750.8	663.6	576.0	488.4	459.7	430.9	401.7	372.9	378.8	384.2	390.0
55°	733.3	642.5	551.3	460.6	433.1	406.2	378.8	351.4	359.0	366.2	373.8
57.5°	713.5	615.1	516.7	418.3	397.6	377.0	355.9	335.2	343.3	351.8	359.9
60°	647.9	558.1	468.2	378.3	364.4	350.5	336.5	322.6	326.2	329.8	333.4
62.5°	576.0	500.1	424.6	348.7	337.9	326.7	315.9	304.6	304.6	305.1	305.1
65°	530.2	465.0	399.9	334.7	322.6	310.5	297.9	285.8	284.0	282.2	280.4
67.5°	484.4	433.1	381.5	329.8	312.3	295.2	277.7	260.2	257.9	256.1	253.9
70°	448.4	402.6	356.8	310.9	291.2	271.8	252.1	232.3	230.5	229.2	227.4
72.5°	419.2	376.5	333.4	290.3	269.6	248.5	227.8	206.7	205.3	204.0	202.2
75°	375.2	337.4	299.2	261.1	240.8	221.1	200.8	180.6	178.8	177.5	175.7
77.5°	310.5	278.6	247.1	215.2	199.5	184.2	168.5	152.8	151.9	151.0	149.6
80°	239.0	214.3	189.2	164.5	154.1	143.3	133.0	122.2	121.8	121.3	120.4
82.5°	164.0	149.2	134.3	119.5	111.9	103.8	96.2	88.1	88.5	89.0	89.4
85°	93.5	88.1	83.1	77.7	71.4	65.6	59.3	53.0	54.4	55.7	56.6
87.5°	34.1	32.4	30.6	28.8	25.6	22.9	19.8	16.6	17.5	18.9	19.8
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: P596686
 CATALOG NUMBER: MSA-SA3B-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: P596686

CATALOG NUMBER: MSA-SA3B-827-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4
2.5°	1132.3	1118.8	1105.3	1091.8	1078.4	1050.5	1023.1	995.2	967.4	984.5	1002.0
5°	1210.0	1187.1	1163.7	1140.8	1117.5	1104.4	1091.4	1078.4	1065.3	1072.1	1079.3
7.5°	958.4	944.9	931.0	917.5	903.6	897.7	892.3	886.5	880.7	897.3	913.9
10°	849.2	830.3	811.5	792.2	773.3	762.0	750.8	739.6	728.3	732.8	737.3
12.5°	854.6	826.7	798.9	771.0	743.2	726.6	709.9	693.3	676.7	680.7	684.8
15°	808.3	779.6	750.8	722.1	693.3	674.0	654.2	634.9	615.1	608.4	601.2
17.5°	713.5	682.1	650.6	619.2	587.7	574.7	561.6	548.6	535.6	528.4	521.2
20°	610.6	581.4	552.2	523.0	493.8	484.8	475.8	466.4	457.4	452.9	448.0
22.5°	554.0	536.0	517.6	499.6	481.2	470.9	461.0	450.7	440.3	435.4	430.0
25°	519.9	523.5	527.5	531.1	534.7	530.2	525.3	520.8	515.8	517.6	519.0
27.5°	511.8	519.4	527.5	535.1	542.8	546.8	550.9	554.9	559.0	560.3	561.6
30°	391.8	395.9	399.4	403.5	407.1	418.3	429.5	440.3	451.6	469.1	487.1
32.5°	341.9	340.6	339.2	337.4	336.1	338.8	341.5	343.7	346.4	352.7	359.5
35°	334.7	331.6	328.0	324.9	321.3	322.6	324.0	325.3	326.7	331.6	336.5
37.5°	329.4	328.0	327.1	325.8	324.4	327.6	330.3	333.4	336.1	340.1	344.2
40°	332.9	332.5	332.0	331.1	330.7	332.5	334.3	336.1	337.9	343.3	348.7
42.5°	340.1	340.1	339.7	339.7	339.2	341.0	342.4	344.2	345.5	348.7	351.8
45°	349.6	348.7	348.2	347.3	346.4	346.0	346.0	345.5	345.1	346.9	349.1
47.5°	360.8	357.7	354.1	350.9	347.3	346.4	345.1	344.2	342.8	343.7	344.6
50°	380.6	372.0	363.9	355.4	346.9	344.6	342.4	340.1	337.9	337.4	337.4
52.5°	395.4	382.8	370.2	357.7	345.1	341.0	337.0	332.9	328.9	328.0	327.6
55°	381.0	371.6	362.6	353.2	343.7	337.9	331.6	325.8	319.5	318.1	316.8
57.5°	368.0	362.2	356.3	350.5	344.6	338.8	332.5	326.7	320.4	317.2	314.1
60°	337.0	337.0	337.4	337.4	337.4	331.1	324.9	318.6	312.3	309.1	306.4
62.5°	305.1	310.0	314.5	319.5	324.0	315.4	306.4	297.9	288.9	286.7	284.9
65°	278.6	279.9	281.7	283.1	284.4	277.7	270.9	264.2	257.5	256.1	254.3
67.5°	251.6	251.2	250.7	249.8	249.4	245.3	240.8	236.8	232.3	230.5	228.7
70°	225.6	225.1	224.7	223.8	223.3	219.7	216.1	212.5	208.9	207.6	206.2
72.5°	200.8	200.4	199.5	199.0	198.2	195.0	192.3	189.2	186.0	184.2	182.4
75°	173.9	173.0	172.1	171.2	170.3	167.6	164.9	161.8	159.1	157.3	155.5
77.5°	148.7	147.4	146.0	144.2	142.9	140.6	137.9	135.7	133.0	130.8	129.0
80°	120.0	119.1	118.2	116.8	115.9	113.7	111.4	108.7	106.5	103.8	101.5
82.5°	89.9	89.4	88.5	88.1	87.2	84.9	82.7	80.4	78.2	75.5	72.8
85°	58.0	57.5	57.1	56.6	56.2	54.4	53.0	51.2	49.4	46.7	44.5
87.5°	20.7	19.8	19.3	18.4	17.5	17.1	16.2	15.7	14.8	13.5	12.1
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: P596686
 CATALOG NUMBER: MSA-SA3B-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: P596686

CATALOG NUMBER: MSA-SA3B-827-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4
2.5°	1019.1	1036.1	1036.6	1036.6	1044.7	1052.3	1036.6	1020.9	1004.7	989.0	973.2
5°	1086.0	1092.7	1090.9	1088.7	1078.8	1068.9	1058.6	1048.3	1037.9	1027.6	1028.0
7.5°	930.5	947.2	960.6	973.7	961.1	948.5	941.8	935.0	928.3	921.6	920.7
10°	741.4	745.9	751.3	756.2	748.6	740.5	754.0	767.4	780.5	793.9	779.1
12.5°	688.8	692.9	683.4	673.5	670.4	667.2	664.1	660.5	657.4	653.8	652.0
15°	594.5	587.3	580.1	572.4	570.6	568.4	566.1	563.4	561.2	558.5	550.4
17.5°	514.0	506.8	494.7	482.1	477.2	471.8	470.4	469.1	467.3	465.9	458.3
20°	443.5	438.5	435.4	431.8	426.9	421.9	417.0	412.0	406.6	401.7	394.5
22.5°	425.1	419.7	415.6	411.1	410.2	409.3	400.3	390.9	381.9	372.5	368.4
25°	520.8	522.1	497.4	472.2	470.0	467.7	451.6	434.9	418.8	402.1	388.2
27.5°	562.5	563.9	563.0	562.1	554.9	547.3	519.9	492.0	464.6	436.7	417.0
30°	504.6	522.1	528.8	535.6	530.6	525.3	496.5	468.2	439.4	410.7	397.6
32.5°	365.7	372.0	383.3	394.1	399.9	405.3	396.3	387.3	378.3	369.3	367.1
35°	341.0	346.0	348.2	350.5	346.9	343.3	336.5	329.8	322.6	315.9	314.5
37.5°	347.8	351.8	356.3	360.8	350.9	340.6	332.9	325.8	318.1	310.5	304.2
40°	354.1	359.5	362.2	364.8	355.0	345.1	335.6	326.7	317.2	307.8	301.5
42.5°	355.0	358.1	363.1	368.0	354.1	339.7	331.1	322.2	313.6	304.6	298.3
45°	350.9	352.7	357.2	361.7	345.5	328.9	321.3	313.2	305.5	297.4	292.1
47.5°	345.1	346.0	349.6	352.7	335.6	318.1	310.9	303.7	296.1	288.9	283.5
50°	337.0	336.5	339.2	341.5	324.0	306.4	299.2	292.5	285.3	278.1	273.6
52.5°	326.7	325.8	328.5	330.7	312.3	293.9	287.6	281.7	275.4	269.1	265.5
55°	315.0	313.6	315.9	318.1	300.1	281.7	276.3	270.5	265.1	259.3	256.1
57.5°	310.5	307.3	308.7	310.0	289.8	269.6	264.2	258.8	253.4	248.0	245.8
60°	303.3	300.1	301.5	302.4	280.8	258.8	253.9	248.5	243.5	238.1	235.9
62.5°	282.6	280.4	282.2	284.0	264.6	244.9	240.4	236.3	231.8	227.4	224.2
65°	253.0	251.2	254.8	258.4	241.7	225.1	222.4	219.7	216.6	213.9	210.7
67.5°	226.9	225.1	228.7	232.3	220.2	208.0	205.3	202.6	199.9	197.3	195.5
70°	204.9	203.5	206.7	209.8	199.5	189.2	186.5	184.2	181.5	178.8	177.5
72.5°	180.2	178.4	182.4	186.0	177.5	168.5	166.2	163.6	161.3	158.6	157.7
75°	153.7	151.9	155.5	158.6	152.8	146.5	144.2	142.0	139.7	137.5	137.0
77.5°	126.7	124.5	128.1	131.2	127.6	123.6	121.8	119.5	117.7	115.5	115.5
80°	98.9	96.2	98.9	101.1	99.7	98.4	97.1	95.3	93.9	92.1	92.6
82.5°	70.1	67.4	68.7	70.1	71.0	71.9	71.9	71.9	71.9	71.9	71.9
85°	41.8	39.1	39.5	40.0	41.3	42.7	43.1	43.6	44.0	44.5	44.9
87.5°	10.8	9.4	8.5	7.2	8.5	9.4	10.3	10.8	11.7	12.1	12.1
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: P596686
 CATALOG NUMBER: MSA-SA3B-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: P596686
 CATALOG NUMBER: MSA-SA3B-827-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4
2.5°	957.5	941.3	925.6	935.5	944.9	954.8	964.2	964.7	964.7	965.1	965.1
5°	1028.9	1029.4	1029.8	1020.4	1011.4	1002.0	992.5	987.6	982.7	977.3	972.3
7.5°	919.3	918.4	917.1	908.1	899.1	890.1	881.1	859.5	837.5	816.0	793.9
10°	763.8	749.0	733.7	730.1	727.0	723.4	719.8	714.0	708.6	702.7	696.9
12.5°	650.2	648.4	646.6	637.1	627.7	617.8	608.4	608.4	608.4	608.4	608.4
15°	541.9	533.8	525.3	520.8	515.8	511.3	506.4	504.1	501.9	499.6	497.4
17.5°	450.2	442.6	434.5	433.6	432.7	431.8	430.9	428.7	426.4	424.2	421.9
20°	387.3	380.1	372.9	375.6	378.3	380.6	383.3	381.0	378.8	376.1	373.8
22.5°	363.9	359.9	355.4	353.2	350.9	348.2	346.0	346.0	346.4	346.4	346.4
25°	374.7	360.8	346.9	340.1	333.4	326.2	319.5	316.8	314.5	311.8	309.1
27.5°	397.2	377.0	357.2	345.5	333.8	322.2	310.5	305.5	300.1	295.2	289.8
30°	384.2	371.1	357.7	344.2	330.7	317.2	303.7	297.4	291.2	284.4	278.1
32.5°	364.8	362.2	359.9	347.3	334.7	321.7	309.1	306.4	304.2	301.5	298.8
35°	312.7	311.4	309.6	306.4	303.3	300.1	297.0	293.4	289.8	286.2	282.6
37.5°	298.3	292.1	285.8	284.4	283.1	281.7	280.4	279.0	277.7	275.9	274.5
40°	295.2	288.9	282.6	280.4	278.1	275.4	273.2	273.6	274.5	275.0	275.4
42.5°	291.6	285.3	278.6	276.8	275.0	273.2	271.4	271.8	272.7	273.2	273.6
45°	287.1	281.7	276.3	273.2	270.5	267.3	264.2	266.9	269.6	271.8	274.5
47.5°	278.1	272.3	266.9	265.1	263.3	261.1	259.3	262.0	264.6	266.9	269.6
50°	268.7	264.2	259.3	258.8	258.4	257.5	257.0	258.8	260.6	262.4	264.2
52.5°	261.5	257.9	253.9	253.9	253.4	253.4	253.0	254.8	256.6	257.9	259.7
55°	253.4	250.3	247.1	247.6	248.5	248.9	249.4	251.2	253.4	255.2	257.0
57.5°	243.1	240.8	238.1	239.9	241.3	243.1	244.4	245.8	247.6	248.9	250.3
60°	233.2	231.0	228.3	230.1	232.3	234.1	235.9	237.2	238.6	239.9	241.3
62.5°	221.1	217.5	214.3	217.0	219.3	222.0	224.2	225.1	226.5	227.4	228.3
65°	208.0	204.9	201.7	203.5	205.3	206.7	208.5	209.8	211.2	212.5	213.9
67.5°	193.2	191.4	189.2	190.5	191.9	193.2	194.6	195.0	195.0	195.5	195.5
70°	175.7	174.3	172.5	173.4	174.8	175.7	176.6	176.6	176.6	176.1	176.1
72.5°	157.3	156.4	155.5	155.9	156.8	157.3	157.7	157.3	156.8	156.4	155.9
75°	136.6	136.1	135.7	136.1	137.0	137.5	137.9	137.5	136.6	136.1	135.2
77.5°	115.9	115.9	115.9	115.9	116.4	116.4	116.4	115.5	114.6	113.7	112.8
80°	93.0	93.5	93.9	93.9	93.9	93.9	93.9	93.0	92.1	90.8	89.9
82.5°	71.9	71.9	71.9	71.9	72.3	72.3	72.3	70.1	68.3	66.1	63.8
85°	44.9	45.4	45.4	45.8	46.3	46.3	46.7	43.6	40.9	37.7	34.6
87.5°	12.1	12.1	12.1	12.1	12.1	11.7	11.7	9.0	5.8	3.1	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596686

CATALOG NUMBER: MSA-SA3B-827-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4
2.5°	967.8	970.5	972.8	975.5	975.9	976.4	976.4	976.8	967.4	958.0	948.1
5°	979.1	985.4	992.1	998.4	997.0	995.7	994.3	993.0	990.3	988.1	985.4
7.5°	789.0	784.5	779.6	774.6	778.7	782.7	786.8	790.8	792.6	794.4	795.7
10°	685.7	674.4	663.2	652.0	645.7	638.9	632.6	625.9	625.0	624.6	623.7
12.5°	596.7	584.6	572.9	560.8	557.2	553.1	549.5	545.5	549.1	552.7	555.8
15°	492.5	488.0	483.0	478.1	482.1	486.2	490.2	494.3	497.8	501.0	504.6
17.5°	419.7	417.9	415.6	413.4	417.0	421.0	424.6	428.2	436.3	444.4	452.5
20°	372.0	370.7	368.9	367.1	365.7	363.9	362.6	360.8	372.5	383.7	395.4
22.5°	343.7	341.0	338.3	335.6	336.1	336.5	336.5	337.0	346.4	356.3	365.7
25°	308.2	307.3	306.4	305.5	308.2	310.9	313.2	315.9	324.4	332.9	341.0
27.5°	290.3	290.7	291.2	291.6	295.2	299.2	302.8	306.4	312.3	318.1	324.0
30°	280.4	283.1	285.3	287.6	288.9	290.3	291.6	293.0	298.8	304.2	310.0
32.5°	295.2	291.6	287.6	284.0	285.8	288.0	289.8	291.6	297.0	302.4	307.8
35°	281.3	279.5	278.1	276.3	278.6	280.8	282.6	284.9	289.8	294.3	299.2
37.5°	274.1	273.6	273.2	272.7	274.1	275.4	276.3	277.7	282.2	286.7	290.7
40°	273.6	271.4	269.6	267.3	268.7	270.0	270.9	272.3	277.7	283.1	288.5
42.5°	270.9	268.2	265.1	262.4	263.8	265.5	266.9	268.2	274.1	279.5	285.3
45°	270.5	266.4	262.0	257.9	259.7	261.5	263.3	265.1	269.6	274.1	278.1
47.5°	265.5	261.5	257.5	253.4	254.3	255.2	255.7	256.6	260.6	264.2	268.2
50°	261.5	258.4	255.7	252.5	251.2	250.3	248.9	247.6	250.7	253.9	257.0
52.5°	256.6	253.4	249.8	246.7	244.9	243.1	241.3	239.5	242.2	244.4	247.1
55°	253.4	249.4	245.8	241.7	239.5	237.2	235.0	232.7	234.5	235.9	237.7
57.5°	246.7	243.1	239.0	235.4	232.7	230.1	226.9	224.2	225.1	226.0	226.9
60°	237.7	233.6	230.1	226.0	222.9	219.7	216.1	213.0	213.4	214.3	214.8
62.5°	224.7	221.1	217.0	213.4	209.8	206.7	203.1	199.5	200.4	200.8	201.7
65°	210.3	206.2	202.6	198.6	195.5	192.3	188.7	185.6	186.5	187.4	187.8
67.5°	192.8	189.6	186.9	183.8	181.1	177.9	175.2	172.1	172.5	173.0	173.4
70°	173.9	171.2	168.9	166.2	164.0	161.8	159.5	157.3	157.3	157.7	157.7
72.5°	153.7	151.4	149.2	146.9	144.7	142.9	140.6	138.4	139.3	140.2	140.6
75°	133.0	131.2	129.0	126.7	124.9	123.1	120.9	119.1	120.0	120.9	121.3
77.5°	111.4	110.1	108.3	106.9	105.1	103.3	101.1	99.3	100.2	101.1	101.5
80°	89.0	88.1	86.7	85.8	84.0	82.2	80.4	78.6	79.1	79.1	79.5
82.5°	64.3	64.7	64.7	65.2	63.8	62.0	60.7	58.9	58.9	58.9	58.4
85°	35.9	37.7	39.1	40.4	39.1	37.7	36.4	35.0	34.6	34.6	34.1
87.5°	1.3	2.2	3.6	4.5	4.0	3.6	2.7	2.2	2.7	3.1	3.1
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: P596686
 CATALOG NUMBER: MSA-SA3B-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: P596686

CATALOG NUMBER: MSA-SA3B-827-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4
2.5°	938.6	946.3	953.9	961.5	969.2	980.9	992.5	1004.7	1016.8	1010.1	1002.9
5°	982.7	987.2	992.1	996.6	1001.1	1014.1	1026.7	1042.4	1057.7	1055.9	1053.7
7.5°	797.5	803.8	810.1	816.0	822.3	842.0	861.8	878.4	895.0	892.8	890.1
10°	622.8	635.8	649.3	662.3	675.3	691.5	707.2	721.2	735.1	758.5	781.4
12.5°	559.4	579.6	599.8	620.1	640.3	652.0	663.2	681.2	699.1	711.7	724.8
15°	507.7	526.6	545.5	564.3	583.2	584.1	585.0	603.9	622.8	633.5	643.9
17.5°	460.6	470.9	481.2	491.1	501.4	497.8	494.3	503.2	511.8	516.3	521.2
20°	406.6	413.8	421.0	428.2	435.4	440.3	444.8	450.2	455.2	450.7	445.7
22.5°	375.2	386.0	397.2	408.0	418.8	421.9	424.6	421.5	418.3	417.0	415.6
25°	349.6	362.6	376.1	389.1	402.1	408.4	414.7	417.4	419.7	414.7	409.8
27.5°	329.8	345.5	360.8	376.5	391.8	403.0	414.3	417.4	420.1	416.5	412.5
30°	315.4	332.5	349.6	366.6	383.7	400.8	417.4	432.2	446.6	445.3	443.9
32.5°	313.2	324.9	336.5	348.2	359.9	370.7	381.0	381.9	382.4	378.8	374.7
35°	303.7	311.4	319.0	326.7	334.3	341.0	347.3	346.4	345.5	341.9	338.3
37.5°	295.2	302.8	310.9	318.6	326.2	337.9	349.1	346.9	344.2	340.6	337.0
40°	293.9	302.4	310.9	319.0	327.6	338.3	349.1	346.9	344.6	340.1	335.6
42.5°	290.7	299.2	307.3	315.9	324.0	337.0	349.6	345.5	341.0	337.4	333.8
45°	282.6	290.3	297.9	305.5	313.2	327.1	341.0	336.1	331.1	329.8	328.0
47.5°	271.8	279.5	287.1	294.8	302.4	316.3	329.8	325.8	321.3	320.8	319.9
50°	260.2	267.3	275.0	282.2	289.4	303.3	316.8	313.2	309.6	310.0	310.0
52.5°	249.4	256.1	262.4	269.1	275.4	289.4	302.8	300.1	297.0	297.9	298.3
55°	239.0	244.4	249.8	255.2	260.6	274.1	287.6	283.5	279.5	280.8	282.2
57.5°	227.8	232.3	236.8	240.8	245.3	258.8	271.8	267.3	262.4	264.6	266.4
60°	215.2	219.3	223.3	226.9	231.0	243.1	254.8	250.7	246.2	249.4	252.1
62.5°	202.2	205.3	208.5	211.6	214.8	226.0	237.2	234.1	231.0	234.5	237.7
65°	188.7	191.0	193.7	195.9	198.2	208.9	219.3	217.0	214.8	217.9	221.1
67.5°	173.9	175.7	177.9	179.7	181.5	191.4	201.3	199.0	196.4	199.0	201.3
70°	157.7	159.5	160.9	162.7	164.0	173.0	182.0	178.8	175.2	177.9	180.2
72.5°	141.5	142.4	143.8	144.7	145.6	152.3	159.1	156.4	153.7	156.4	158.6
75°	122.2	123.1	124.0	124.9	125.8	131.7	137.0	133.9	130.3	133.0	135.7
77.5°	102.4	102.9	103.8	104.2	104.7	108.7	112.3	109.2	105.6	108.7	111.9
80°	79.5	80.0	80.4	80.4	80.9	82.2	83.6	81.3	78.6	82.7	86.7
82.5°	58.4	58.0	58.0	57.5	57.1	57.1	56.6	55.3	53.5	57.1	60.7
85°	33.7	33.2	32.4	31.9	31.0	29.7	28.3	27.9	27.4	30.6	33.7
87.5°	3.6	3.1	2.2	1.8	0.9	0.4	0.0	0.0	0.0	1.8	4.0
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: P596686
 CATALOG NUMBER: MSA-SA3B-827-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: P596686

CATALOG NUMBER: MSA-SA3B-827-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4
2.5°	996.1	989.0	982.2	975.5	968.7	962.0	974.6	987.2	999.7	1012.3	1023.6
5°	1051.9	1049.6	1043.8	1038.4	1032.5	1026.7	1029.8	1033.4	1036.6	1039.7	1046.5
7.5°	887.9	885.2	897.7	909.9	922.5	934.6	937.7	940.4	943.6	946.3	944.5
10°	804.7	827.6	833.5	838.9	844.7	850.1	859.1	868.1	876.6	885.6	890.6
12.5°	737.3	749.9	770.6	791.7	812.4	833.0	846.5	860.0	873.5	887.0	914.8
15°	654.7	665.0	680.7	696.4	712.2	727.9	747.2	767.0	786.3	805.6	836.2
17.5°	525.7	530.2	541.9	553.6	564.8	576.5	602.5	628.1	654.2	679.8	714.9
20°	441.2	436.3	436.3	436.7	436.7	436.7	462.8	488.4	514.5	540.1	586.4
22.5°	413.8	412.5	407.5	402.1	397.2	391.8	405.3	419.2	432.7	446.2	483.9
25°	404.4	399.4	393.2	386.9	380.6	374.3	382.8	391.4	399.9	408.4	438.1
27.5°	408.9	404.8	408.0	410.7	413.8	416.5	419.2	421.9	424.6	427.3	437.6
30°	442.6	441.2	446.2	450.7	455.6	460.1	453.8	448.0	441.7	435.4	439.0
32.5°	371.1	367.1	365.3	363.5	361.7	359.9	359.5	359.0	358.1	357.7	365.7
35°	334.7	331.1	328.5	325.8	322.6	319.9	321.3	322.2	323.5	324.4	333.4
37.5°	333.4	329.8	326.7	323.5	319.9	316.8	318.1	319.9	321.3	322.6	329.4
40°	331.1	326.7	324.9	323.1	321.3	319.5	320.4	321.3	321.7	322.6	327.6
42.5°	329.8	326.2	325.3	324.4	323.5	322.6	323.5	324.4	324.9	325.8	331.6
45°	326.7	324.9	325.8	326.7	327.6	328.5	328.5	328.5	328.5	328.5	334.7
47.5°	319.5	318.6	321.3	324.0	326.7	329.4	333.8	338.3	342.4	346.9	348.2
50°	310.5	310.5	315.0	319.5	323.5	328.0	338.8	349.1	359.9	370.2	363.5
52.5°	299.2	299.7	306.4	312.7	319.5	325.8	335.6	345.5	355.0	364.8	355.0
55°	283.1	284.4	293.0	301.0	309.6	317.7	325.3	332.9	340.6	348.2	337.9
57.5°	268.7	270.5	279.5	288.0	297.0	305.5	310.0	315.0	319.5	324.0	317.2
60°	255.2	257.9	269.6	281.3	292.5	304.2	300.6	297.0	293.0	289.4	288.9
62.5°	241.3	244.4	255.2	266.0	276.3	287.1	281.7	276.3	270.5	265.1	267.3
65°	223.8	226.9	231.8	236.8	241.3	246.2	245.8	245.8	245.3	244.9	249.4
67.5°	204.0	206.2	209.4	212.1	215.2	217.9	219.7	222.0	223.8	225.6	231.0
70°	182.9	185.1	188.3	191.0	194.1	196.8	199.0	201.3	203.1	205.3	210.7
72.5°	161.3	163.6	166.7	169.8	172.5	175.7	177.5	179.3	180.6	182.4	186.9
75°	138.4	141.1	144.2	146.9	150.1	152.8	154.1	155.5	156.8	158.2	162.2
77.5°	115.0	118.2	121.3	124.5	127.6	130.8	131.2	131.7	132.1	132.5	136.1
80°	90.3	94.4	97.5	100.6	103.8	106.9	106.9	106.9	106.9	106.9	108.7
82.5°	64.3	67.8	71.4	74.6	78.2	81.3	81.3	80.9	80.9	80.4	80.4
85°	36.8	40.0	42.2	44.9	47.2	49.4	49.4	49.4	49.0	49.0	48.1
87.5°	5.8	7.6	8.5	9.9	10.8	11.7	11.2	11.2	10.8	10.3	9.0
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: P596686
 CATALOG NUMBER: MSA-SA3B-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: P596686

CATALOG NUMBER: MSA-SA3B-827-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4
2.5°	1034.8	1046.0	1057.2	1055.5	1053.7	1051.9	1050.1	1056.8	1063.1	1069.8	1076.1
5°	1052.8	1059.5	1065.8	1070.7	1075.7	1080.6	1085.6	1108.5	1130.9	1153.9	1176.3
7.5°	942.7	940.4	938.6	959.7	981.3	1002.4	1023.6	1052.8	1082.0	1111.2	1140.4
10°	895.5	900.4	905.4	913.9	922.9	931.4	940.0	968.7	997.5	1026.2	1055.0
12.5°	942.2	970.1	997.5	1004.2	1011.4	1018.2	1024.9	1030.7	1036.6	1042.0	1047.8
15°	866.7	897.3	927.8	945.4	962.9	980.0	997.5	1041.5	1085.1	1129.1	1172.7
17.5°	749.5	784.5	819.1	862.2	905.4	948.5	991.6	1032.1	1072.5	1112.5	1153.0
20°	632.6	678.5	724.8	771.9	818.7	865.8	912.6	952.1	991.6	1030.7	1070.3
22.5°	521.2	559.0	596.2	653.8	710.8	768.3	825.4	899.1	972.3	1046.0	1119.3
25°	467.3	496.9	526.2	585.5	644.8	703.6	762.9	858.7	953.9	1049.6	1144.9
27.5°	448.4	458.8	469.1	523.0	576.5	630.4	683.9	787.2	890.6	993.4	1096.8
30°	442.6	446.2	449.8	492.0	534.2	576.5	618.7	720.7	823.2	925.1	1027.1
32.5°	373.4	381.5	389.1	430.4	471.3	512.7	553.6	656.5	758.9	861.8	964.2
35°	342.4	351.4	360.4	400.8	441.2	481.2	521.7	629.9	738.7	847.0	955.3
37.5°	336.1	342.8	349.6	395.4	441.2	487.1	532.9	642.5	752.2	861.8	971.4
40°	332.9	337.9	342.8	387.3	432.2	476.7	521.2	636.2	750.8	865.8	980.4
42.5°	337.0	342.8	348.2	388.7	428.7	469.1	509.1	628.1	746.8	865.8	984.5
45°	340.6	346.9	352.7	390.5	428.2	465.9	503.7	630.8	757.6	884.7	1011.4
47.5°	349.1	350.5	351.4	384.2	416.5	449.3	481.7	611.1	740.5	869.4	998.8
50°	356.3	349.6	342.4	376.5	410.2	444.4	478.1	600.7	723.4	845.6	968.3
52.5°	345.1	334.7	324.9	361.7	398.5	434.9	471.8	594.5	717.6	840.2	962.9
55°	328.0	317.7	307.3	344.6	381.9	419.2	456.5	578.7	701.4	823.6	945.8
57.5°	310.9	304.2	297.4	328.0	359.0	389.6	420.1	552.7	684.8	817.3	949.4
60°	288.5	287.6	287.1	310.9	335.2	359.0	382.8	512.7	642.1	771.9	901.3
62.5°	269.1	271.4	273.2	292.5	311.8	330.7	350.0	475.4	601.2	726.6	851.9
65°	254.3	258.8	263.3	285.3	307.3	328.9	350.9	456.1	561.2	666.3	771.5
67.5°	236.3	241.7	247.1	275.9	304.6	333.4	362.2	448.9	535.6	622.3	709.0
70°	215.7	221.1	226.0	262.9	299.2	336.1	372.5	449.3	526.6	603.4	680.3
72.5°	191.4	195.9	200.4	239.9	279.5	319.0	358.6	423.7	488.9	553.6	618.7
75°	166.7	170.7	174.8	208.9	243.1	277.2	311.4	361.7	411.6	461.9	511.8
77.5°	139.3	142.9	146.0	168.9	191.9	214.8	237.7	276.3	314.5	353.2	391.4
80°	110.5	112.3	114.1	127.6	140.6	154.1	167.1	192.8	218.4	243.5	269.1
82.5°	80.9	80.9	80.9	89.4	98.4	106.9	115.5	128.5	141.1	154.1	166.7
85°	47.2	45.8	44.9	50.8	56.6	62.5	68.3	73.7	79.1	84.5	89.9
87.5°	7.6	5.8	4.5	8.1	11.7	15.3	18.9	20.7	22.9	24.7	26.5
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: P596686
 CATALOG NUMBER: MSA-SA3B-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: P596686

CATALOG NUMBER: MSA-SA3B-827-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4
2.5°	1060.8	1046.0	1030.7	1015.5	1037.9	1060.4	1082.9	1105.3	1165.1	1200.6	1202.8
5°	1195.2	1214.1	1232.9	1251.8	1270.7	1289.5	1308.0	1326.8	1423.9	1483.7	1494.9
7.5°	1171.4	1202.8	1233.8	1264.8	1318.3	1371.8	1425.2	1478.7	1560.9	1620.2	1659.3
10°	1093.6	1132.3	1170.9	1209.6	1272.9	1336.7	1400.1	1463.4	1550.6	1628.8	1666.1
12.5°	1109.4	1170.9	1232.0	1293.6	1348.4	1403.7	1458.5	1513.3	1573.5	1603.2	1671.0
15°	1215.4	1258.1	1300.8	1343.5	1426.1	1508.4	1591.0	1673.3	1707.4	1775.3	1836.4
17.5°	1231.6	1309.8	1388.4	1466.6	1567.7	1668.8	1769.9	1871.0	1934.3	2021.9	2095.6
20°	1181.3	1291.8	1402.8	1513.3	1643.6	1774.4	1904.7	2035.0	2115.4	2189.1	2303.2
22.5°	1241.5	1363.7	1485.5	1607.7	1780.7	1953.2	2126.2	2298.7	2466.8	2631.2	2708.5
25°	1308.0	1471.5	1634.6	1797.7	2013.9	2229.5	2445.6	2661.3	2877.4	3031.6	3120.5
27.5°	1261.2	1425.2	1589.7	1753.7	2021.0	2288.8	2556.2	2823.5	3054.9	3240.5	3316.9
30°	1228.4	1429.7	1631.0	1832.3	2146.0	2459.6	2773.2	3086.8	3300.7	3507.8	3620.2
32.5°	1222.6	1481.0	1738.9	1997.2	2362.5	2727.4	3092.7	3457.5	3599.5	3783.3	3934.7
35°	1238.8	1522.7	1806.3	2089.8	2508.6	2927.3	3345.6	3764.4	3966.1	4148.1	4280.7
37.5°	1288.2	1605.0	1921.3	2238.1	2742.6	3247.7	3752.3	4256.9	4595.2	4928.1	4987.5
40°	1316.1	1652.1	1987.8	2323.4	2910.2	3497.1	4083.9	4670.7	5059.8	5425.1	5449.8
42.5°	1348.9	1713.3	2077.2	2441.6	3092.2	3743.3	4393.9	5044.5	5526.2	5918.9	5930.6
45°	1386.6	1761.3	2136.5	2511.2	3190.6	3869.5	4548.9	5227.8	5810.2	6287.3	6171.0
47.5°	1401.4	1804.5	2207.1	2609.7	3334.0	4057.8	4782.1	5506.0	6028.5	6462.6	6351.1
50°	1407.3	1846.7	2285.7	2724.7	3475.0	4225.9	4976.2	5726.6	6258.1	6681.4	6510.6
52.5°	1443.7	1924.4	2405.2	2886.0	3667.8	4449.6	5231.4	6013.2	6536.3	6942.9	6730.8
55°	1492.6	2039.5	2585.8	3132.7	3941.9	4750.7	5559.9	6368.7	6893.5	7271.8	7008.9
57.5°	1538.0	2127.1	2715.7	3304.3	4142.7	4981.6	5820.0	6658.5	7190.0	7564.3	7309.5
60°	1516.0	2130.7	2745.3	3360.0	4184.1	5007.7	5831.7	6655.3	7258.8	7707.6	7577.3
62.5°	1449.5	2047.1	2644.2	3241.8	4024.1	4805.9	5588.2	6370.0	7076.3	7651.9	7646.1
65°	1321.4	1871.4	2420.9	2970.9	3694.8	4419.1	5142.9	5866.8	6699.4	7398.5	7443.9
67.5°	1165.5	1622.0	2078.6	2535.1	3216.7	3898.3	4579.9	5261.5	6151.6	6923.1	6962.2
70°	1014.6	1349.3	1683.6	2017.9	2616.4	3214.9	3812.9	4411.4	5310.5	6091.0	6126.9
72.5°	837.5	1056.4	1274.7	1493.5	1978.4	2463.2	2947.5	3432.4	4221.8	4822.1	5024.7
75°	641.6	771.5	901.3	1031.2	1423.4	1815.7	2207.5	2599.8	3124.6	3567.6	3795.9
77.5°	458.8	526.2	593.6	660.9	994.3	1327.7	1660.7	1994.1	2270.0	2521.1	2675.3
80°	301.0	332.5	364.4	395.9	673.1	950.3	1227.1	1504.3	1672.4	1807.2	1884.9
82.5°	182.4	198.2	213.4	229.2	453.8	678.5	902.7	1127.3	1223.5	1287.8	1356.9
85°	98.4	106.9	115.5	124.0	268.2	412.0	556.3	700.0	709.5	717.1	820.0
87.5°	28.8	31.5	33.7	35.9	59.3	83.1	106.5	129.9	80.9	50.3	103.3
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: P596686
 CATALOG NUMBER: MSA-SA3B-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: P596686

CATALOG NUMBER: MSA-SA3B-827-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4
2.5°	1189.8	1184.0	1178.1	1171.8	1166.0	1141.3	1117.0	1092.3	1067.6	1091.4	1114.8
5°	1481.9	1499.8	1517.4	1535.3	1553.3	1554.6	1555.5	1556.9	1557.8	1562.3	1566.8
7.5°	1692.1	1724.0	1755.5	1787.4	1819.3	1844.0	1868.7	1893.9	1918.6	1896.1	1873.7
10°	1710.1	1777.5	1844.9	1912.3	1979.7	1991.8	2003.5	2015.6	2027.8	2044.0	2059.7
12.5°	1728.1	1810.3	1892.1	1974.3	2056.5	2092.5	2128.0	2163.9	2199.4	2216.9	2234.0
15°	1918.1	1966.7	2014.8	2063.3	2111.4	2136.1	2160.3	2185.0	2209.8	2224.6	2239.0
17.5°	2162.6	2180.5	2198.1	2216.0	2234.0	2250.6	2267.3	2283.9	2300.5	2303.2	2305.9
20°	2385.4	2389.0	2392.2	2395.8	2398.9	2363.9	2329.3	2294.2	2259.2	2265.5	2271.3
22.5°	2719.7	2700.0	2680.6	2660.9	2641.6	2575.5	2509.9	2443.9	2378.3	2349.9	2322.1
25°	3223.0	3172.6	3122.3	3072.0	3021.7	2916.5	2811.8	2706.7	2602.0	2540.5	2479.3
27.5°	3385.2	3275.5	3166.4	3056.7	2947.1	2867.6	2788.5	2708.9	2629.9	2532.4	2434.9
30°	3713.2	3540.2	3367.7	3194.7	3021.7	2944.8	2868.0	2790.7	2713.9	2614.1	2514.8
32.5°	4003.9	3824.2	3644.4	3464.3	3284.5	3138.9	2993.4	2847.8	2702.2	2634.8	2567.4
35°	4340.4	4114.4	3888.4	3662.4	3436.4	3311.5	3187.0	3062.1	2937.7	2835.7	2734.1
37.5°	4830.6	4590.3	4349.9	4109.0	3868.6	3699.7	3531.2	3362.3	3193.8	3137.6	3081.9
40°	5297.9	5014.0	4730.4	4446.5	4162.9	4033.5	3904.1	3774.3	3644.9	3550.1	3455.3
42.5°	5689.3	5408.5	5128.1	4847.3	4566.9	4472.5	4378.6	4284.3	4190.4	4112.2	4034.0
45°	5823.6	5594.5	5365.8	5136.6	4907.5	4874.2	4841.4	4808.2	4775.4	4717.4	4659.4
47.5°	6039.8	5806.1	5572.9	5339.3	5105.6	5117.8	5129.9	5142.5	5154.6	5157.7	5160.4
50°	6166.9	5945.0	5723.4	5501.5	5280.0	5338.8	5397.2	5456.1	5515.0	5648.4	5781.4
52.5°	6352.5	6134.6	5917.1	5699.2	5481.3	5581.0	5680.3	5780.1	5879.4	6066.3	6253.2
55°	6585.2	6376.7	6168.7	5960.2	5752.2	5849.2	5945.9	6042.9	6139.5	6347.5	6555.6
57.5°	6893.9	6670.6	6447.7	6224.4	6001.6	6091.0	6179.9	6269.4	6358.3	6556.0	6753.7
60°	7245.3	7002.7	6760.0	6516.9	6274.3	6299.0	6323.3	6348.0	6372.3	6586.6	6800.5
62.5°	7417.8	7193.2	6969.0	6744.3	6519.6	6450.9	6382.1	6312.9	6244.2	6436.1	6627.5
65°	7268.2	7113.6	6959.5	6805.0	6650.4	6529.1	6408.2	6286.9	6165.6	6285.5	6405.1
67.5°	6791.9	6704.3	6617.1	6529.5	6441.9	6238.4	6034.8	5830.8	5627.3	5635.4	5643.0
70°	6020.0	5996.6	5973.7	5950.3	5927.0	5621.0	5315.5	5009.5	4703.5	4656.8	4610.0
72.5°	5041.8	5057.1	5071.9	5087.2	5102.5	4773.6	4444.7	4115.8	3786.9	3709.1	3631.4
75°	3905.0	3989.5	4074.0	4158.9	4243.4	3928.9	3614.3	3299.4	2984.8	2889.1	2793.4
77.5°	2759.3	2917.0	3074.2	3232.0	3389.7	3105.3	2821.3	2536.9	2252.4	2190.4	2128.4
80°	1924.0	2001.3	2078.6	2155.8	2233.1	2090.2	1947.4	1804.5	1661.6	1678.7	1695.3
82.5°	1401.4	1419.4	1436.9	1454.9	1472.9	1414.5	1356.0	1297.2	1238.8	1283.3	1327.7
85°	897.7	962.0	1025.8	1090.1	1153.9	1089.2	1024.4	959.3	894.6	924.3	953.9
87.5°	200.8	317.7	434.5	551.8	668.6	605.7	543.2	480.3	417.4	389.1	361.3
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: P596686
 CATALOG NUMBER: MSA-SA3B-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: P596686

CATALOG NUMBER: MSA-SA3B-827-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4
2.5°	1138.6	1162.4	1155.2	1148.5	1141.3	1134.1	1147.1	1160.1	1173.6	1186.7	1182.2
5°	1571.7	1576.2	1533.5	1491.3	1448.6	1405.9	1432.4	1458.9	1485.5	1512.0	1502.5
7.5°	1851.2	1828.7	1804.0	1779.3	1754.1	1729.4	1724.0	1718.6	1712.8	1707.4	1700.2
10°	2075.9	2091.6	2075.4	2059.7	2043.5	2027.3	1989.6	1951.8	1913.7	1875.9	1860.2
12.5°	2251.5	2269.1	2273.1	2276.7	2280.7	2284.8	2242.6	2200.8	2158.5	2116.3	2078.1
15°	2253.8	2268.6	2281.6	2294.2	2307.3	2319.8	2293.8	2268.2	2242.1	2216.0	2203.9
17.5°	2309.1	2311.8	2301.0	2290.6	2279.8	2269.5	2259.2	2249.3	2239.0	2229.1	2209.8
20°	2277.6	2283.9	2282.5	2281.2	2279.4	2278.1	2279.0	2279.4	2280.3	2280.7	2270.0
22.5°	2293.8	2265.5	2271.3	2276.7	2282.5	2287.9	2304.1	2320.3	2336.9	2353.1	2396.2
25°	2417.8	2356.2	2346.8	2337.8	2328.4	2319.4	2361.6	2403.4	2445.6	2487.9	2558.0
27.5°	2336.9	2239.4	2217.8	2196.3	2174.7	2153.1	2217.4	2281.2	2345.5	2409.7	2481.1
30°	2415.1	2315.8	2268.2	2220.5	2172.5	2124.8	2186.4	2247.5	2309.1	2370.2	2449.2
32.5°	2500.0	2432.6	2400.7	2369.3	2337.4	2305.9	2310.9	2315.8	2320.7	2325.7	2437.1
35°	2632.1	2530.1	2498.7	2467.2	2435.8	2404.3	2456.9	2509.0	2561.6	2613.7	2708.1
37.5°	3025.7	2969.6	2912.9	2856.3	2799.3	2742.6	2773.7	2804.7	2835.7	2866.7	2955.6
40°	3360.5	3265.7	3256.2	3247.2	3237.8	3228.4	3231.1	3233.3	3236.0	3238.7	3314.6
42.5°	3955.4	3877.2	3829.1	3781.0	3732.9	3684.9	3681.7	3678.6	3675.0	3671.8	3728.9
45°	4601.0	4543.1	4507.1	4471.2	4434.8	4398.8	4341.8	4284.7	4227.2	4170.1	4220.0
47.5°	5163.6	5166.7	5231.9	5296.6	5361.7	5426.9	5329.4	5231.9	5134.4	5036.9	4972.6
50°	5914.8	6047.8	6063.6	6078.8	6094.6	6110.3	5945.0	5780.1	5614.7	5449.4	5382.0
52.5°	6440.6	6627.5	6603.2	6579.4	6555.1	6530.9	6435.2	6339.9	6244.2	6148.5	6001.6
55°	6764.1	6972.1	6953.7	6935.7	6917.3	6898.9	6829.2	6759.6	6689.9	6620.3	6459.0
57.5°	6951.4	7149.1	7154.5	7159.9	7165.3	7170.7	7152.3	7133.9	7115.4	7097.0	6887.2
60°	7014.8	7229.1	7231.4	7233.2	7235.4	7237.2	7208.0	7178.8	7149.1	7119.9	6982.9
62.5°	6819.3	7010.7	7019.3	7027.4	7035.9	7044.4	7024.2	7004.0	6983.8	6963.6	6862.0
65°	6525.0	6645.0	6647.2	6649.0	6651.3	6653.5	6602.3	6551.5	6500.3	6449.1	6424.8
67.5°	5651.1	5659.2	5706.8	5754.4	5802.1	5849.7	5853.7	5857.8	5862.3	5866.3	5831.3
70°	4563.3	4516.6	4568.2	4619.9	4671.6	4723.3	4745.3	4767.3	4789.8	4811.8	4827.9
72.5°	3553.2	3475.5	3513.7	3551.9	3590.5	3628.7	3595.9	3563.1	3530.3	3497.5	3601.3
75°	2697.7	2602.0	2597.1	2592.6	2587.6	2583.1	2566.5	2549.9	2532.8	2516.2	2613.2
77.5°	2066.0	2004.0	2007.1	2009.8	2013.0	2015.6	1998.6	1982.0	1964.9	1947.8	1985.1
80°	1712.4	1729.0	1729.4	1729.9	1730.3	1730.8	1714.6	1698.9	1682.7	1666.5	1639.6
82.5°	1372.7	1417.2	1416.7	1416.7	1416.3	1415.8	1414.9	1414.0	1412.7	1411.8	1367.7
85°	983.6	1013.2	982.7	952.1	921.6	891.0	913.5	935.9	958.8	981.3	962.9
87.5°	332.9	305.1	268.7	232.7	196.4	160.0	199.0	238.1	277.7	316.8	339.2
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: P596686
 CATALOG NUMBER: MSA-SA3B-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



REPORT NUMBER: P596686

CATALOG NUMBER: MSA-SA3B-827-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4
2.5°	1178.1	1173.6	1169.6	1141.3	1112.5	1084.2	1055.5	1107.6	1160.1	1212.3	1264.4
5°	1493.5	1484.1	1475.1	1472.9	1470.6	1467.9	1465.7	1492.2	1518.7	1544.8	1571.3
7.5°	1693.0	1685.8	1678.7	1659.8	1641.4	1622.5	1603.6	1619.8	1635.5	1651.7	1667.4
10°	1844.9	1829.2	1813.5	1772.6	1732.1	1691.2	1650.4	1638.2	1626.1	1614.0	1601.8
12.5°	2039.9	2001.3	1963.1	1916.8	1870.1	1823.8	1777.1	1770.8	1764.5	1758.6	1752.3
15°	2192.2	2180.1	2168.0	2131.1	2094.3	2057.4	2020.6	1971.2	1921.3	1871.9	1822.4
17.5°	2190.9	2171.6	2152.7	2202.1	2251.1	2300.5	2349.5	2296.9	2243.9	2191.3	2138.8
20°	2259.2	2247.9	2237.2	2328.4	2419.1	2510.4	2601.1	2572.4	2543.2	2514.4	2485.2
22.5°	2438.9	2482.0	2524.7	2602.9	2680.6	2758.8	2836.6	2869.4	2902.2	2935.0	2967.8
25°	2627.6	2697.7	2767.8	2884.2	3000.1	3116.5	3232.9	3256.2	3279.6	3303.0	3326.3
27.5°	2552.1	2623.6	2695.0	2783.1	2870.7	2958.8	3046.4	3148.8	3251.7	3354.2	3456.6
30°	2527.9	2607.0	2685.6	2806.5	2926.9	3047.7	3168.6	3309.7	3450.8	3591.4	3732.5
32.5°	2548.1	2659.5	2771.0	2934.5	3097.6	3261.2	3424.7	3573.0	3721.7	3870.0	4018.3
35°	2802.0	2896.3	2990.2	3173.1	3356.0	3538.8	3721.7	3895.6	4069.5	4242.9	4416.8
37.5°	3044.1	3133.1	3222.1	3409.0	3595.5	3782.4	3969.3	4243.8	4518.8	4793.3	5067.9
40°	3390.1	3466.1	3541.5	3701.5	3861.5	4021.4	4181.4	4512.5	4843.7	5174.8	5506.0
42.5°	3785.5	3842.6	3899.2	4065.0	4230.8	4396.6	4562.4	4922.7	5283.6	5643.9	6004.3
45°	4269.4	4319.3	4369.2	4483.3	4597.4	4712.0	4826.1	5197.7	5569.3	5940.9	6312.5
47.5°	4908.4	4844.1	4779.9	4836.0	4892.2	4948.4	5004.5	5372.1	5739.6	6106.7	6474.3
50°	5314.6	5247.2	5179.8	5184.7	5189.2	5194.1	5199.1	5541.9	5884.7	6227.1	6570.0
52.5°	5854.6	5707.3	5560.3	5559.0	5557.6	5555.8	5554.5	5853.3	6152.5	6451.3	6750.1
55°	6297.7	6136.4	5975.1	5943.6	5912.2	5880.2	5848.8	6144.5	6439.7	6735.3	7030.5
57.5°	6677.3	6467.1	6257.2	6207.8	6158.4	6109.0	6059.5	6378.1	6697.1	7015.7	7334.2
60°	6846.3	6709.2	6572.7	6512.0	6451.3	6390.7	6330.0	6601.4	6872.8	7143.7	7415.1
62.5°	6760.9	6659.4	6558.3	6572.2	6586.1	6600.1	6614.0	6769.0	6924.5	7079.5	7234.5
65°	6401.0	6376.7	6352.9	6465.3	6577.6	6689.9	6802.3	6804.5	6806.7	6809.0	6811.2
67.5°	5796.2	5761.2	5726.1	5959.8	6193.0	6426.6	6660.3	6549.3	6438.3	6327.8	6216.8
70°	4843.7	4859.8	4875.6	5193.7	5511.4	5829.5	6147.6	5986.7	5825.4	5664.6	5503.3
72.5°	3705.1	3809.3	3913.1	4242.9	4572.7	4902.5	5232.3	5048.6	4864.3	4680.6	4496.3
75°	2710.3	2807.4	2904.4	3230.2	3555.9	3882.1	4207.9	3989.5	3771.1	3553.2	3334.9
77.5°	2022.4	2060.1	2097.4	2368.4	2638.9	2909.8	3180.3	2961.0	2741.8	2522.9	2303.7
80°	1613.1	1586.1	1559.6	1709.7	1859.7	2009.8	2159.9	2004.4	1848.5	1693.0	1537.6
82.5°	1324.1	1280.1	1236.5	1292.2	1348.0	1404.1	1459.8	1335.4	1210.9	1086.5	962.0
85°	944.5	926.0	907.6	923.8	939.5	955.7	971.9	850.6	729.2	608.4	487.1
87.5°	361.3	383.7	406.2	431.8	457.0	482.6	507.7	397.6	287.6	177.9	67.8
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: P596686
 CATALOG NUMBER: MSA-SA3B-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: P596686
CATALOG NUMBER: MSA-SA3B-827-U-SLR

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	976.4	976.4
2.5°	1286.0	1307.5
5°	1570.8	1570.4
7.5°	1660.2	1652.6
10°	1582.1	1562.3
12.5°	1693.9	1635.1
15°	1764.0	1705.2
17.5°	2050.2	1961.3
20°	2379.6	2273.6
22.5°	2806.5	2645.1
25°	3133.6	2940.3
27.5°	3342.0	3227.0
30°	3600.8	3469.2
32.5°	3921.2	3823.7
35°	4327.8	4238.4
37.5°	5040.0	5011.7
40°	5472.3	5438.1
42.5°	6005.6	6006.5
45°	6332.7	6352.9
47.5°	6525.5	6576.2
50°	6679.1	6787.9
52.5°	6898.9	7047.6
55°	7228.2	7425.5
57.5°	7502.3	7670.3
60°	7502.3	7589.0
62.5°	7232.3	7229.6
65°	6769.5	6727.2
67.5°	6163.8	6110.8
70°	5420.6	5337.5
72.5°	4393.5	4290.1
75°	3193.3	3051.3
77.5°	2236.3	2168.4
80°	1570.4	1603.2
82.5°	1008.7	1055.5
85°	479.9	472.7
87.5°	56.6	45.4
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: P596686
CATALOG NUMBER: MSA-SA3B-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)