

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: P596774

Luminaire Tested: **MSA-SA4B-827-U-SLR**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P596774  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-24)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: MSA-SA4B-827-U-SLR  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS.  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12235 lumens  
Efficiency: N/A  
Efficacy: 71.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

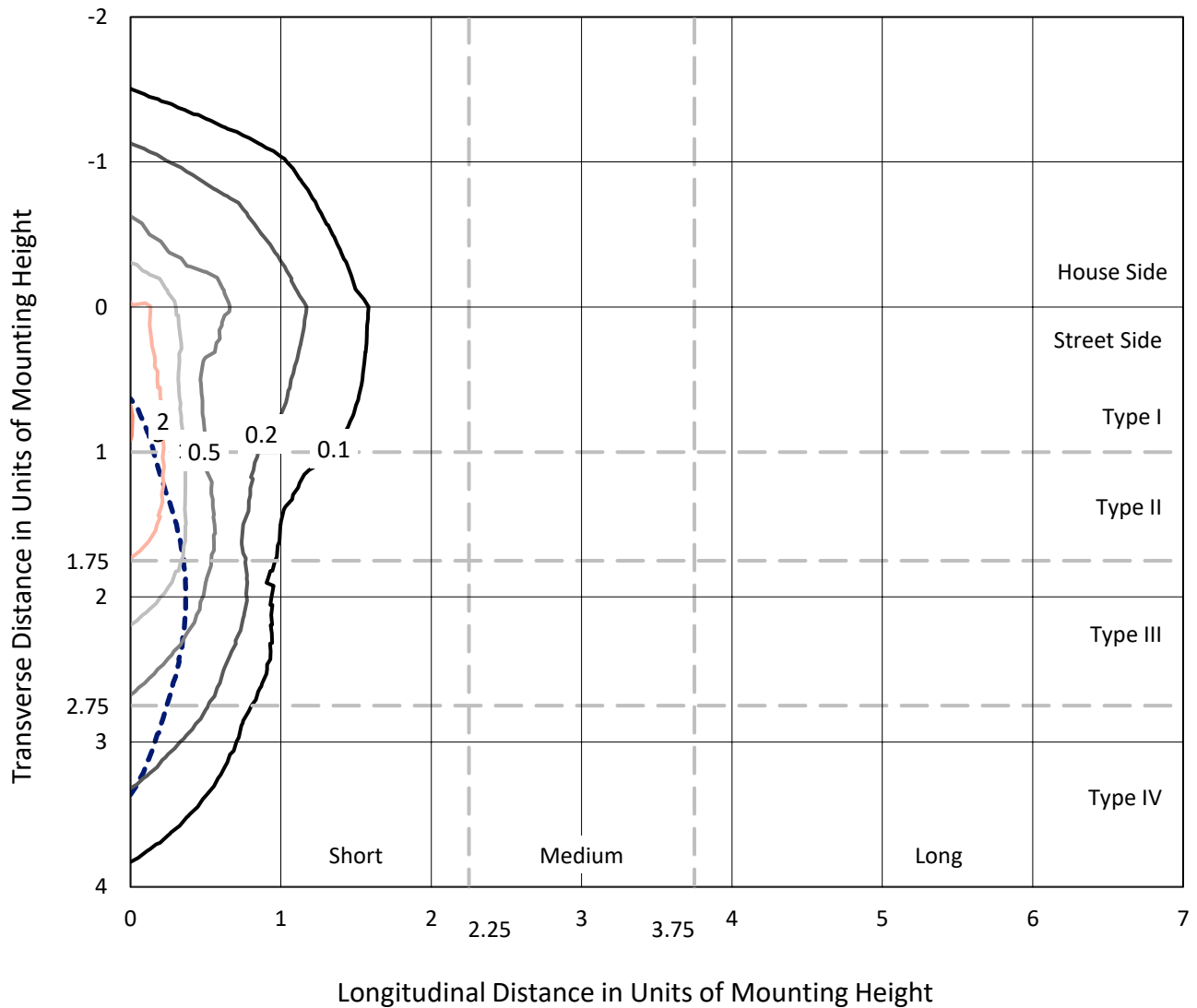
Input Watts (W): 171  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

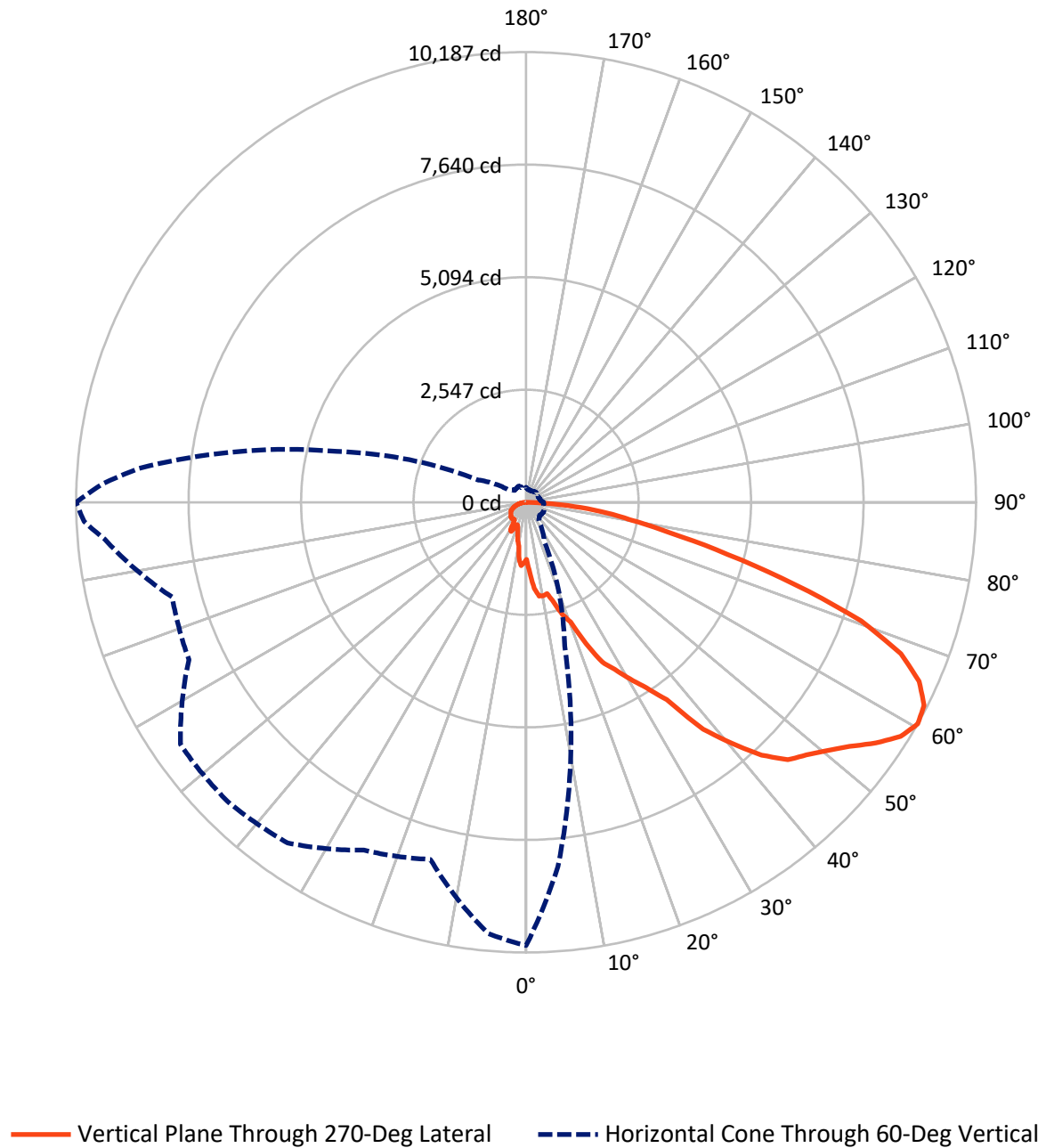
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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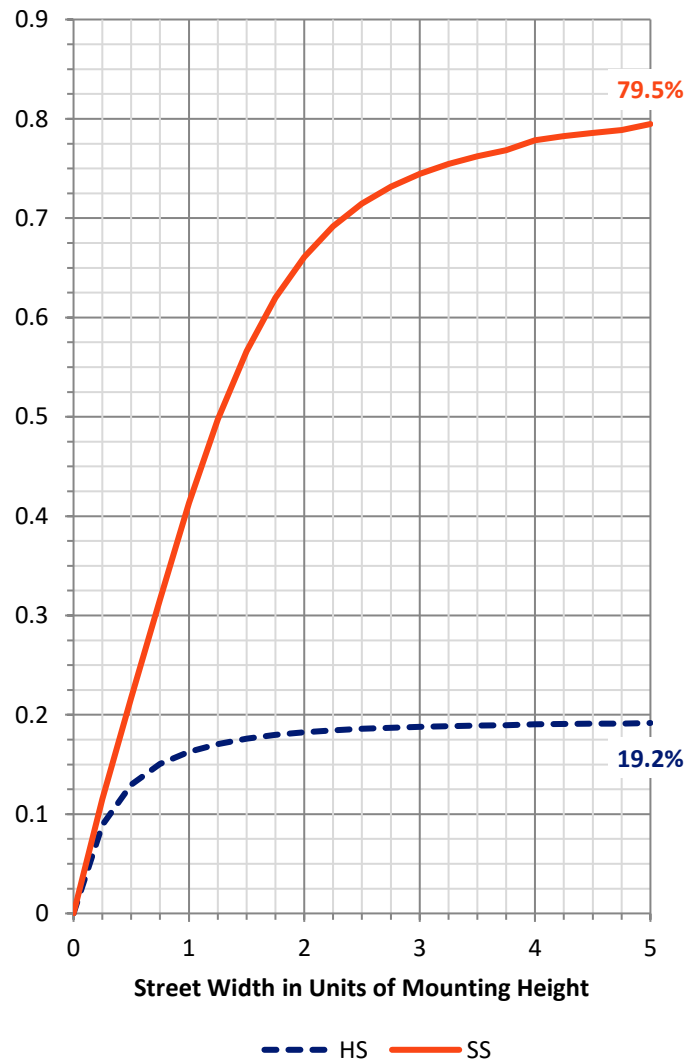
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2369.7	0.0	2369.7
	% Fixture	19.4	0.0	19.4
<b>Street Side</b>	Lumens	9865.3	0.0	9865.3
	% Fixture	80.6	0.0	80.6
<b>Total</b>	Lumens	12235.0	0.0	12235.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.9	1.2
10°-20°	429.9	3.5
20°-30°	758.9	6.2
30°-40°	1182.0	9.7
40°-50°	1946.0	15.9
50°-60°	2777.5	22.7
60°-70°	2945.2	24.1
70°-80°	1626.7	13.3
80°-90°	420.9	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°	12235.0	100.0
0°-180°	12235.0	100.0

**Coefficient of Utilization**



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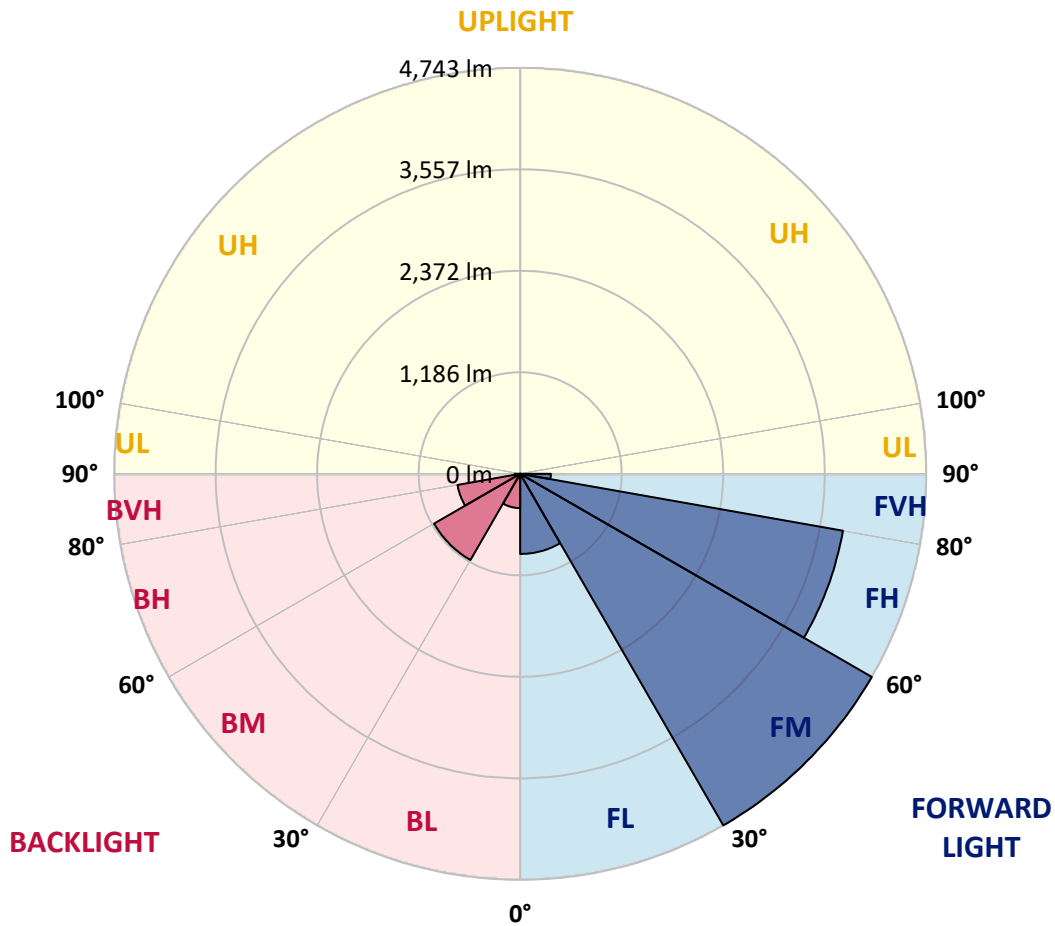
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	936.2	7.7			
FM (30°-60°)	4743.1	38.8			
FH (60°-80°)	3828.4	31.3			G2/5000
FVH (80°-90°)	357.7	2.9			G3/500
BL (0°-30°)	400.6	3.3	B1/500		
BM (30°-60°)	1162.4	9.5	B2/2500		
BH (60°-80°)	743.5	6.1	B2/1000		G2/1000
BVH (80°-90°)	63.2	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°	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5
2.5°	1728.2	1738.8	1748.9	1728.7	1708.6	1687.8	1667.6	1637.3	1606.4	1576.1	1545.2
5°	2075.6	2036.4	1996.6	1980.5	1965.1	1949.1	1933.0	1918.2	1903.3	1887.9	1873.1
7.5°	2184.2	2128.4	2072.0	2048.2	2024.5	2000.1	1976.4	1922.9	1869.5	1815.5	1762.0
10°	2064.9	2006.7	1947.9	1924.7	1901.0	1877.8	1854.1	1788.7	1724.0	1658.7	1593.3
12.5°	2161.1	2101.7	2041.7	1968.1	1894.4	1820.2	1746.6	1710.3	1674.1	1637.3	1601.1
15°	2253.7	2173.6	2092.8	2019.1	1945.5	1871.3	1797.6	1725.2	1652.7	1580.3	1507.8
17.5°	2592.2	2458.6	2325.0	2192.0	2058.3	1925.3	1791.7	1708.0	1623.6	1539.9	1455.6
20°	3005.0	2819.1	2632.6	2430.7	2228.2	2026.3	1823.8	1718.1	1612.9	1507.2	1401.5
22.5°	3496.1	3261.5	3026.9	2772.2	2517.4	2262.0	2007.3	1854.1	1700.8	1547.0	1393.8
25°	3886.3	3660.6	3434.9	3111.9	2788.8	2465.7	2142.7	1968.7	1794.7	1620.1	1446.1
27.5°	4265.2	3905.9	3546.0	3176.0	2806.6	2436.6	2066.7	1905.7	1744.8	1583.8	1422.9
30°	4585.2	4300.2	4015.1	3532.3	3049.5	2566.1	2083.3	1885.5	1687.8	1490.0	1292.3
32.5°	5053.8	4647.0	4239.6	3736.0	3232.4	2728.8	2225.2	1972.2	1719.2	1466.3	1213.3
35°	5601.9	5179.1	4756.3	4133.3	3510.9	2888.0	2265.0	1997.2	1728.7	1460.9	1192.5
37.5°	6624.0	5878.7	5132.8	4452.8	3772.8	3092.3	2412.3	2101.1	1789.9	1478.1	1166.9
40°	7187.6	6498.7	5809.8	4962.4	4114.9	3266.9	2419.4	2101.1	1782.2	1463.9	1145.0
42.5°	7938.8	7067.6	6195.8	5279.5	4363.7	3447.4	2531.1	2178.3	1825.5	1472.2	1119.4
45°	8396.7	7425.7	6454.1	5474.9	4495.6	3516.3	2537.0	2178.9	1820.8	1462.7	1104.6
47.5°	8691.8	7759.5	6826.5	5772.4	4718.3	3663.6	2609.5	2229.4	1848.7	1468.6	1088.0
50°	8971.6	8048.1	7124.0	6029.5	4935.6	3841.1	2746.6	2331.5	1916.4	1500.7	1085.6
52.5°	9314.8	8464.4	7613.4	6439.3	5264.6	4090.6	2915.9	2464.0	2012.0	1560.1	1108.2
55°	9814.3	8976.3	8137.8	6877.6	5616.8	4356.6	3095.8	2594.0	2092.8	1591.0	1089.2
57.5°	10137.9	9288.1	8438.3	7153.1	5868.0	4582.3	3297.2	2741.3	2185.4	1629.0	1073.1
60°	10030.4	9153.9	8276.7	7051.6	5826.4	4601.3	3376.1	2775.7	2175.9	1575.5	975.1
62.5°	9555.3	8623.5	7691.8	6594.3	5497.4	4400.0	3302.5	2692.0	2082.1	1471.6	861.1
65°	8891.4	7928.1	6964.3	5974.3	4984.3	3994.4	3004.4	2450.3	1895.6	1341.5	786.9
67.5°	8076.6	7072.4	6067.5	5191.0	4314.4	3437.3	2560.8	2097.5	1634.9	1171.7	708.5
70°	7054.5	6067.5	5080.5	4322.2	3563.8	2805.4	2047.1	1698.5	1350.5	1001.9	653.3
72.5°	5670.2	4818.6	3967.0	3370.2	2773.4	2176.5	1579.7	1337.4	1095.7	853.4	611.1
75°	4033.0	3532.3	3031.7	2567.3	2102.9	1637.9	1173.5	1016.7	859.9	703.1	546.4
77.5°	2866.0	2570.9	2275.7	1911.7	1547.6	1183.6	819.5	727.5	636.0	544.0	451.9
80°	2118.9	1872.5	1626.0	1351.6	1077.3	802.9	528.5	483.4	438.9	393.7	348.6
82.5°	1395.0	1283.9	1172.3	954.9	737.6	520.2	302.9	286.2	269.6	253.0	236.4
85°	624.7	659.8	694.2	561.2	427.6	294.6	160.9	153.2	145.5	137.8	130.1
87.5°	60.0	88.5	117.0	100.4	83.1	66.5	49.3	48.7	48.7	48.1	47.5
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°	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5
2.5°	1553.6	1561.9	1570.2	1578.5	1569.6	1560.7	1551.2	1542.3	1531.0	1519.7	1507.8
5°	1848.1	1822.6	1797.6	1772.1	1734.1	1696.1	1657.5	1619.5	1614.7	1609.4	1604.6
7.5°	1715.1	1668.8	1621.9	1574.9	1515.5	1456.8	1397.4	1338.0	1320.2	1302.4	1284.5
10°	1561.9	1529.8	1498.3	1466.3	1429.4	1392.6	1355.2	1318.4	1269.7	1220.4	1171.7
12.5°	1548.8	1496.5	1443.7	1391.4	1368.9	1346.3	1323.7	1301.2	1258.4	1215.6	1172.3
15°	1465.7	1422.9	1380.7	1338.0	1305.3	1272.7	1240.0	1207.3	1172.9	1137.8	1103.4
17.5°	1406.9	1358.2	1309.5	1260.8	1223.4	1186.0	1147.9	1110.5	1069.0	1026.8	985.2
20°	1345.7	1290.5	1234.7	1178.8	1131.3	1084.4	1036.9	989.4	943.7	898.5	852.8
22.5°	1320.8	1247.7	1174.7	1101.6	1051.7	1001.3	951.4	900.9	858.7	816.6	774.4
25°	1358.8	1272.1	1184.8	1097.5	1030.4	962.7	895.6	827.9	792.8	757.8	722.1
27.5°	1314.2	1205.0	1096.3	987.0	915.1	842.7	770.8	698.4	693.0	687.7	681.8
30°	1177.6	1063.0	948.4	833.8	767.9	701.4	635.4	568.9	556.5	543.4	530.9
32.5°	1096.3	979.3	862.3	745.3	686.5	627.1	568.3	508.9	494.7	480.4	466.2
35°	1065.4	938.3	811.2	684.1	633.7	583.2	532.7	482.2	472.1	462.6	452.5
37.5°	1040.5	914.6	788.1	661.6	612.9	564.2	514.9	466.2	458.5	450.7	443.0
40°	1016.7	889.0	760.7	632.5	589.1	546.4	503.0	459.7	454.9	450.2	444.8
42.5°	995.3	871.2	746.5	622.4	583.8	545.8	507.2	468.6	463.8	459.1	454.3
45°	983.4	862.3	741.1	620.0	592.1	564.2	535.7	507.8	496.5	485.2	473.3
47.5°	974.5	861.1	747.7	634.3	605.2	576.1	547.0	517.9	507.8	497.7	487.0
50°	976.3	867.6	758.4	649.1	614.1	578.4	543.4	507.8	506.6	505.4	504.2
52.5°	992.4	877.1	761.3	645.5	607.5	569.5	530.9	492.9	500.6	507.8	515.5
55°	969.2	849.2	728.7	608.7	572.5	536.9	500.6	464.4	474.5	484.0	494.1
57.5°	943.1	813.0	682.9	552.9	525.6	498.3	470.3	443.0	453.7	465.0	475.7
60°	856.4	737.6	618.8	500.0	481.6	463.2	444.8	426.4	431.1	435.9	440.6
62.5°	761.3	661.0	561.2	460.8	446.6	431.7	417.5	402.6	402.6	403.2	403.2
65°	700.8	614.7	528.5	442.4	426.4	410.4	393.7	377.7	375.3	372.9	370.6
67.5°	640.2	572.5	504.2	435.9	412.7	390.2	367.0	343.8	340.9	338.5	335.5
70°	592.7	532.1	471.5	411.0	384.8	359.3	333.2	307.0	304.7	302.9	300.5
72.5°	554.1	497.7	440.6	383.6	356.3	328.4	301.1	273.2	271.4	269.6	267.2
75°	495.9	446.0	395.5	345.0	318.3	292.2	265.5	238.7	236.4	234.6	232.2
77.5°	410.4	368.2	326.6	284.5	263.7	243.5	222.7	201.9	200.7	199.5	197.8
80°	315.9	283.3	250.0	217.4	203.7	189.4	175.8	161.5	160.9	160.3	159.2
82.5°	216.8	197.2	177.6	158.0	147.9	137.2	127.1	116.4	117.0	117.6	118.2
85°	123.5	116.4	109.9	102.7	94.4	86.7	78.4	70.1	71.9	73.6	74.8
87.5°	45.1	42.8	40.4	38.0	33.9	30.3	26.1	22.0	23.2	24.9	26.1
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: P596774  
 CATALOG NUMBER: MSA-SA4B-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: P596774

CATALOG NUMBER: MSA-SA4B-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5
2.5°	1496.5	1478.7	1460.9	1443.1	1425.3	1388.5	1352.2	1315.4	1278.6	1301.2	1324.3
5°	1599.3	1569.0	1538.1	1507.8	1476.9	1459.7	1442.5	1425.3	1408.1	1417.0	1426.5
7.5°	1266.7	1248.9	1230.5	1212.7	1194.3	1186.5	1179.4	1171.7	1164.0	1186.0	1207.9
10°	1122.4	1097.5	1072.5	1047.0	1022.0	1007.2	992.4	977.5	962.7	968.6	974.5
12.5°	1129.5	1092.7	1055.9	1019.1	982.3	960.3	938.3	916.3	894.4	899.7	905.1
15°	1068.4	1030.4	992.4	954.3	916.3	890.8	864.7	839.1	813.0	804.1	794.6
17.5°	943.1	901.5	859.9	818.3	776.8	759.6	742.3	725.1	707.9	698.4	688.9
20°	807.1	768.5	729.9	691.3	652.7	640.8	628.9	616.4	604.6	598.6	592.1
22.5°	732.2	708.5	684.1	660.4	636.0	622.4	609.3	595.6	582.0	575.5	568.3
25°	687.1	691.9	697.2	702.0	706.7	700.8	694.2	688.3	681.8	684.1	685.9
27.5°	676.4	686.5	697.2	707.3	717.4	722.7	728.1	733.4	738.8	740.6	742.3
30°	517.9	523.2	527.9	533.3	538.0	552.9	567.7	582.0	596.8	620.0	643.8
32.5°	451.9	450.2	448.4	446.0	444.2	447.8	451.3	454.3	457.9	466.2	475.1
35°	442.4	438.3	433.5	429.4	424.6	426.4	428.2	430.0	431.7	438.3	444.8
37.5°	435.3	433.5	432.3	430.6	428.8	432.9	436.5	440.6	444.2	449.6	454.9
40°	440.1	439.5	438.9	437.7	437.1	439.5	441.8	444.2	446.6	453.7	460.8
42.5°	449.6	449.6	449.0	449.0	448.4	450.7	452.5	454.9	456.7	460.8	465.0
45°	462.0	460.8	460.2	459.1	457.9	457.3	457.3	456.7	456.1	458.5	461.4
47.5°	476.9	472.7	468.0	463.8	459.1	457.9	456.1	454.9	453.1	454.3	455.5
50°	503.0	491.7	481.0	469.7	458.5	455.5	452.5	449.6	446.6	446.0	446.0
52.5°	522.6	506.0	489.3	472.7	456.1	450.7	445.4	440.1	434.7	433.5	432.9
55°	503.6	491.1	479.3	466.8	454.3	446.6	438.3	430.6	422.2	420.5	418.7
57.5°	486.4	478.7	470.9	463.2	455.5	447.8	439.5	431.7	423.4	419.3	415.1
60°	445.4	445.4	446.0	446.0	446.0	437.7	429.4	421.1	412.7	408.6	405.0
62.5°	403.2	409.8	415.7	422.2	428.2	416.9	405.0	393.7	381.9	378.9	376.5
65°	368.2	370.0	372.4	374.1	375.9	367.0	358.1	349.2	340.3	338.5	336.1
67.5°	332.6	332.0	331.4	330.2	329.6	324.3	318.3	313.0	307.0	304.7	302.3
70°	298.1	297.5	296.9	295.7	295.2	290.4	285.7	280.9	276.1	274.4	272.6
72.5°	265.5	264.9	263.7	263.1	261.9	257.7	254.2	250.0	245.9	243.5	241.1
75°	229.8	228.6	227.5	226.3	225.1	221.5	217.9	213.8	210.2	207.9	205.5
77.5°	196.6	194.8	193.0	190.6	188.8	185.9	182.3	179.3	175.8	172.8	170.4
80°	158.6	157.4	156.2	154.4	153.2	150.2	147.3	143.7	140.7	137.2	134.2
82.5°	118.8	118.2	117.0	116.4	115.2	112.2	109.3	106.3	103.3	99.8	96.2
85°	76.6	76.0	75.4	74.8	74.2	71.9	70.1	67.7	65.3	61.8	58.8
87.5°	27.3	26.1	25.5	24.3	23.2	22.6	21.4	20.8	19.6	17.8	16.0
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: P596774  
 CATALOG NUMBER: MSA-SA4B-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: P596774

CATALOG NUMBER: MSA-SA4B-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5
2.5°	1346.9	1369.5	1370.1	1370.1	1380.7	1390.8	1370.1	1349.3	1327.9	1307.1	1286.3
5°	1435.4	1444.3	1441.9	1438.9	1425.9	1412.8	1399.2	1385.5	1371.8	1358.2	1358.8
7.5°	1229.9	1251.9	1269.7	1286.9	1270.3	1253.7	1244.7	1235.8	1226.9	1218.0	1216.8
10°	979.9	985.8	992.9	999.5	989.4	978.7	996.5	1014.3	1031.5	1049.4	1029.8
12.5°	910.4	915.7	903.3	890.2	886.0	881.9	877.7	873.0	868.8	864.1	861.7
15°	785.7	776.2	766.7	756.6	754.2	751.2	748.3	744.7	741.7	738.2	727.5
17.5°	679.4	669.9	653.8	637.2	630.7	623.6	621.8	620.0	617.6	615.8	605.7
20°	586.1	579.6	575.5	570.7	564.2	557.6	551.1	544.6	537.4	530.9	521.4
22.5°	561.8	554.7	549.3	543.4	542.2	541.0	529.1	516.7	504.8	492.3	487.0
25°	688.3	690.1	657.4	624.2	621.2	618.2	596.8	574.9	553.5	531.5	513.1
27.5°	743.5	745.3	744.1	742.9	733.4	723.3	687.1	650.3	614.1	577.2	551.1
30°	666.9	690.1	699.0	707.9	701.4	694.2	656.2	618.8	580.8	542.8	525.6
32.5°	483.4	491.7	506.6	520.8	528.5	535.7	523.8	511.9	500.0	488.2	485.2
35°	450.7	457.3	460.2	463.2	458.5	453.7	444.8	435.9	426.4	417.5	415.7
37.5°	459.7	465.0	470.9	476.9	463.8	450.2	440.1	430.6	420.5	410.4	402.0
40°	468.0	475.1	478.7	482.2	469.2	456.1	443.6	431.7	419.3	406.8	398.5
42.5°	469.2	473.3	479.8	486.4	468.0	449.0	437.7	425.8	414.5	402.6	394.3
45°	463.8	466.2	472.1	478.1	456.7	434.7	424.6	413.9	403.8	393.1	386.0
47.5°	456.1	457.3	462.0	466.2	443.6	420.5	411.0	401.5	391.4	381.9	374.7
50°	445.4	444.8	448.4	451.3	428.2	405.0	395.5	386.6	377.1	367.6	361.7
52.5°	431.7	430.6	434.1	437.1	412.7	388.4	380.1	372.4	364.0	355.7	351.0
55°	416.3	414.5	417.5	420.5	396.7	372.4	365.2	357.5	350.4	342.7	338.5
57.5°	410.4	406.2	408.0	409.8	383.0	356.3	349.2	342.1	334.9	327.8	324.8
60°	400.9	396.7	398.5	399.7	371.2	342.1	335.5	328.4	321.9	314.7	311.8
62.5°	373.5	370.6	372.9	375.3	349.8	323.7	317.7	312.4	306.4	300.5	296.3
65°	334.3	332.0	336.7	341.5	319.5	297.5	294.0	290.4	286.2	282.7	278.5
67.5°	299.9	297.5	302.3	307.0	291.0	275.0	271.4	267.8	264.3	260.7	258.3
70°	270.8	269.0	273.2	277.3	263.7	250.0	246.5	243.5	239.9	236.4	234.6
72.5°	238.1	235.8	241.1	245.9	234.6	222.7	219.7	216.2	213.2	209.6	208.4
75°	203.1	200.7	205.5	209.6	201.9	193.6	190.6	187.7	184.7	181.7	181.1
77.5°	167.5	164.5	169.3	173.4	168.7	163.3	160.9	158.0	155.6	152.6	152.6
80°	130.7	127.1	130.7	133.6	131.8	130.1	128.3	125.9	124.1	121.7	122.3
82.5°	92.6	89.1	90.9	92.6	93.8	95.0	95.0	95.0	95.0	95.0	95.0
85°	55.2	51.7	52.3	52.9	54.6	56.4	57.0	57.6	58.2	58.8	59.4
87.5°	14.3	12.5	11.3	9.5	11.3	12.5	13.7	14.3	15.4	16.0	16.0
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: P596774  
 CATALOG NUMBER: MSA-SA4B-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: P596774

CATALOG NUMBER: MSA-SA4B-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5
2.5°	1265.5	1244.2	1223.4	1236.4	1248.9	1262.0	1274.4	1275.0	1275.0	1275.6	1275.6
5°	1360.0	1360.5	1361.1	1348.7	1336.8	1324.3	1311.9	1305.3	1298.8	1291.7	1285.1
7.5°	1215.1	1213.9	1212.1	1200.2	1188.3	1176.5	1164.6	1136.1	1107.0	1078.5	1049.4
10°	1009.6	990.0	969.8	965.0	960.9	956.1	951.4	943.7	936.5	928.8	921.1
12.5°	859.3	857.0	854.6	842.1	829.6	816.6	804.1	804.1	804.1	804.1	804.1
15°	716.2	705.5	694.2	688.3	681.8	675.8	669.3	666.3	663.3	660.4	657.4
17.5°	595.1	585.0	574.3	573.1	571.9	570.7	569.5	566.5	563.6	560.6	557.6
20°	511.9	502.4	492.9	496.5	500.0	503.0	506.6	503.6	500.6	497.1	494.1
22.5°	481.0	475.7	469.7	466.8	463.8	460.2	457.3	457.3	457.9	457.9	457.9
25°	495.3	476.9	458.5	449.6	440.6	431.1	422.2	418.7	415.7	412.1	408.6
27.5°	525.0	498.3	472.1	456.7	441.2	425.8	410.4	403.8	396.7	390.2	383.0
30°	507.8	490.5	472.7	454.9	437.1	419.3	401.5	393.1	384.8	375.9	367.6
32.5°	482.2	478.7	475.7	459.1	442.4	425.2	408.6	405.0	402.0	398.5	394.9
35°	413.3	411.6	409.2	405.0	400.9	396.7	392.5	387.8	383.0	378.3	373.5
37.5°	394.3	386.0	377.7	375.9	374.1	372.4	370.6	368.8	367.0	364.6	362.9
40°	390.2	381.9	373.5	370.6	367.6	364.0	361.1	361.7	362.9	363.4	364.0
42.5°	385.4	377.1	368.2	365.8	363.4	361.1	358.7	359.3	360.5	361.1	361.7
45°	379.5	372.4	365.2	361.1	357.5	353.4	349.2	352.8	356.3	359.3	362.9
47.5°	367.6	359.9	352.8	350.4	348.0	345.0	342.7	346.2	349.8	352.8	356.3
50°	355.1	349.2	342.7	342.1	341.5	340.3	339.7	342.1	344.4	346.8	349.2
52.5°	345.6	340.9	335.5	335.5	334.9	334.9	334.3	336.7	339.1	340.9	343.3
55°	334.9	330.8	326.6	327.2	328.4	329.0	329.6	332.0	334.9	337.3	339.7
57.5°	321.3	318.3	314.7	317.1	318.9	321.3	323.1	324.8	327.2	329.0	330.8
60°	308.2	305.2	301.7	304.1	307.0	309.4	311.8	313.6	315.3	317.1	318.9
62.5°	292.2	287.4	283.3	286.8	289.8	293.4	296.3	297.5	299.3	300.5	301.7
65°	275.0	270.8	266.6	269.0	271.4	273.2	275.6	277.3	279.1	280.9	282.7
67.5°	255.4	253.0	250.0	251.8	253.6	255.4	257.1	257.7	257.7	258.3	258.3
70°	232.2	230.4	228.0	229.2	231.0	232.2	233.4	233.4	233.4	232.8	232.8
72.5°	207.9	206.7	205.5	206.1	207.3	207.9	208.4	207.9	207.3	206.7	206.1
75°	180.5	179.9	179.3	179.9	181.1	181.7	182.3	181.7	180.5	179.9	178.8
77.5°	153.2	153.2	153.2	153.2	153.8	153.8	153.8	152.6	151.4	150.2	149.1
80°	122.9	123.5	124.1	124.1	124.1	124.1	124.1	122.9	121.7	120.0	118.8
82.5°	95.0	95.0	95.0	95.0	95.6	95.6	95.6	92.6	90.3	87.3	84.3
85°	59.4	60.0	60.0	60.6	61.2	61.2	61.8	57.6	54.0	49.9	45.7
87.5°	16.0	16.0	16.0	16.0	16.0	15.4	15.4	11.9	7.7	4.2	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: P596774  
 CATALOG NUMBER: MSA-SA4B-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: P596774

CATALOG NUMBER: MSA-SA4B-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5
2.5°	1279.2	1282.8	1285.7	1289.3	1289.9	1290.5	1290.5	1291.1	1278.6	1266.1	1253.1
5°	1294.0	1302.4	1311.3	1319.6	1317.8	1316.0	1314.2	1312.4	1308.9	1305.9	1302.4
7.5°	1042.8	1036.9	1030.4	1023.8	1029.2	1034.5	1039.9	1045.2	1047.6	1050.0	1051.7
10°	906.2	891.4	876.5	861.7	853.4	844.5	836.2	827.3	826.1	825.5	824.3
12.5°	788.7	772.6	757.2	741.1	736.4	731.1	726.3	721.0	725.7	730.5	734.6
15°	650.9	644.9	638.4	631.9	637.2	642.6	647.9	653.3	658.0	662.2	666.9
17.5°	554.7	552.3	549.3	546.4	551.1	556.5	561.2	566.0	576.6	587.3	598.0
20°	491.7	489.9	487.6	485.2	483.4	481.0	479.3	476.9	492.3	507.2	522.6
22.5°	454.3	450.7	447.2	443.6	444.2	444.8	444.8	445.4	457.9	470.9	483.4
25°	407.4	406.2	405.0	403.8	407.4	411.0	413.9	417.5	428.8	440.1	450.7
27.5°	383.6	384.2	384.8	385.4	390.2	395.5	400.3	405.0	412.7	420.5	428.2
30°	370.6	374.1	377.1	380.1	381.9	383.6	385.4	387.2	394.9	402.0	409.8
32.5°	390.2	385.4	380.1	375.3	377.7	380.7	383.0	385.4	392.5	399.7	406.8
35°	371.8	369.4	367.6	365.2	368.2	371.2	373.5	376.5	383.0	389.0	395.5
37.5°	362.3	361.7	361.1	360.5	362.3	364.0	365.2	367.0	372.9	378.9	384.2
40°	361.7	358.7	356.3	353.4	355.1	356.9	358.1	359.9	367.0	374.1	381.3
42.5°	358.1	354.5	350.4	346.8	348.6	351.0	352.8	354.5	362.3	369.4	377.1
45°	357.5	352.2	346.2	340.9	343.3	345.6	348.0	350.4	356.3	362.3	367.6
47.5°	351.0	345.6	340.3	334.9	336.1	337.3	337.9	339.1	344.4	349.2	354.5
50°	345.6	341.5	337.9	333.8	332.0	330.8	329.0	327.2	331.4	335.5	339.7
52.5°	339.1	334.9	330.2	326.0	323.7	321.3	318.9	316.5	320.1	323.1	326.6
55°	334.9	329.6	324.8	319.5	316.5	313.6	310.6	307.6	310.0	311.8	314.2
57.5°	326.0	321.3	315.9	311.2	307.6	304.1	299.9	296.3	297.5	298.7	299.9
60°	314.2	308.8	304.1	298.7	294.6	290.4	285.7	281.5	282.1	283.3	283.9
62.5°	296.9	292.2	286.8	282.1	277.3	273.2	268.4	263.7	264.9	265.5	266.6
65°	277.9	272.6	267.8	262.5	258.3	254.2	249.4	245.3	246.5	247.6	248.2
67.5°	254.8	250.6	247.0	242.9	239.3	235.2	231.6	227.5	228.0	228.6	229.2
70°	229.8	226.3	223.3	219.7	216.8	213.8	210.8	207.9	207.9	208.4	208.4
72.5°	203.1	200.1	197.2	194.2	191.2	188.8	185.9	182.9	184.1	185.3	185.9
75°	175.8	173.4	170.4	167.5	165.1	162.7	159.8	157.4	158.6	159.8	160.3
77.5°	147.3	145.5	143.1	141.3	139.0	136.6	133.6	131.2	132.4	133.6	134.2
80°	117.6	116.4	114.6	113.4	111.1	108.7	106.3	103.9	104.5	104.5	105.1
82.5°	84.9	85.5	85.5	86.1	84.3	82.0	80.2	77.8	77.8	77.8	77.2
85°	47.5	49.9	51.7	53.4	51.7	49.9	48.1	46.3	45.7	45.7	45.1
87.5°	1.8	3.0	4.8	5.9	5.3	4.8	3.6	3.0	3.6	4.2	4.2
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: P596774  
 CATALOG NUMBER: MSA-SA4B-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: P596774  
 CATALOG NUMBER: MSA-SA4B-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5
2.5°	1240.6	1250.7	1260.8	1270.9	1281.0	1296.4	1311.9	1327.9	1343.9	1335.0	1325.5
5°	1298.8	1304.7	1311.3	1317.2	1323.1	1340.4	1357.0	1377.8	1398.0	1395.6	1392.6
7.5°	1054.1	1062.4	1070.7	1078.5	1086.8	1112.9	1139.0	1161.0	1183.0	1180.0	1176.5
10°	823.1	840.3	858.1	875.4	892.6	914.0	934.7	953.2	971.6	1002.4	1032.7
12.5°	739.4	766.1	792.8	819.5	846.3	861.7	876.5	900.3	924.1	940.7	957.9
15°	671.1	696.0	721.0	745.9	770.8	772.0	773.2	798.2	823.1	837.4	851.0
17.5°	608.7	622.4	636.0	649.1	662.8	658.0	653.3	665.1	676.4	682.4	688.9
20°	537.4	547.0	556.5	566.0	575.5	582.0	587.9	595.1	601.6	595.6	589.1
22.5°	495.9	510.1	525.0	539.2	553.5	557.6	561.2	557.0	552.9	551.1	549.3
25°	462.0	479.3	497.1	514.3	531.5	539.8	548.1	551.7	554.7	548.1	541.6
27.5°	435.9	456.7	476.9	497.7	517.9	532.7	547.5	551.7	555.3	550.5	545.2
30°	416.9	439.5	462.0	484.6	507.2	529.7	551.7	571.3	590.3	588.5	586.7
32.5°	413.9	429.4	444.8	460.2	475.7	489.9	503.6	504.8	505.4	500.6	495.3
35°	401.5	411.6	421.6	431.7	441.8	450.7	459.1	457.9	456.7	451.9	447.2
37.5°	390.2	400.3	411.0	421.1	431.1	446.6	461.4	458.5	454.9	450.2	445.4
40°	388.4	399.7	411.0	421.6	432.9	447.2	461.4	458.5	455.5	449.6	443.6
42.5°	384.2	395.5	406.2	417.5	428.2	445.4	462.0	456.7	450.7	446.0	441.2
45°	373.5	383.6	393.7	403.8	413.9	432.3	450.7	444.2	437.7	435.9	433.5
47.5°	359.3	369.4	379.5	389.6	399.7	418.1	435.9	430.6	424.6	424.0	422.8
50°	343.8	353.4	363.4	372.9	382.5	400.9	418.7	413.9	409.2	409.8	409.8
52.5°	329.6	338.5	346.8	355.7	364.0	382.5	400.3	396.7	392.5	393.7	394.3
55°	315.9	323.1	330.2	337.3	344.4	362.3	380.1	374.7	369.4	371.2	372.9
57.5°	301.1	307.0	313.0	318.3	324.3	342.1	359.3	353.4	346.8	349.8	352.2
60°	284.5	289.8	295.2	299.9	305.2	321.3	336.7	331.4	325.4	329.6	333.2
62.5°	267.2	271.4	275.6	279.7	283.9	298.7	313.6	309.4	305.2	310.0	314.2
65°	249.4	252.4	256.0	258.9	261.9	276.1	289.8	286.8	283.9	288.0	292.2
67.5°	229.8	232.2	235.2	237.5	239.9	253.0	266.1	263.1	259.5	263.1	266.1
70°	208.4	210.8	212.6	215.0	216.8	228.6	240.5	236.4	231.6	235.2	238.1
72.5°	187.1	188.3	190.0	191.2	192.4	201.3	210.2	206.7	203.1	206.7	209.6
75°	161.5	162.7	163.9	165.1	166.3	174.0	181.1	177.0	172.2	175.8	179.3
77.5°	135.4	136.0	137.2	137.8	138.4	143.7	148.5	144.3	139.6	143.7	147.9
80°	105.1	105.7	106.3	106.3	106.9	108.7	110.5	107.5	103.9	109.3	114.6
82.5°	77.2	76.6	76.6	76.0	75.4	75.4	74.8	73.0	70.7	75.4	80.2
85°	44.5	43.9	42.8	42.2	41.0	39.2	37.4	36.8	36.2	40.4	44.5
87.5°	4.8	4.2	3.0	2.4	1.2	0.6	0.0	0.0	0.0	2.4	5.3
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: P596774  
 CATALOG NUMBER: MSA-SA4B-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: P596774

CATALOG NUMBER: MSA-SA4B-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5
2.5°	1316.6	1307.1	1298.2	1289.3	1280.4	1271.5	1288.1	1304.7	1321.4	1338.0	1352.8
5°	1390.2	1387.3	1379.6	1372.4	1364.7	1357.0	1361.1	1365.9	1370.1	1374.2	1383.1
7.5°	1173.5	1169.9	1186.5	1202.6	1219.2	1235.2	1239.4	1243.0	1247.1	1250.7	1248.3
10°	1063.6	1093.9	1101.6	1108.8	1116.5	1123.6	1135.5	1147.4	1158.6	1170.5	1177.0
12.5°	974.5	991.2	1018.5	1046.4	1073.7	1101.0	1118.8	1136.7	1154.5	1172.3	1209.1
15°	865.3	878.9	899.7	920.5	941.3	962.1	987.6	1013.7	1039.3	1064.8	1105.2
17.5°	694.8	700.8	716.2	731.6	746.5	761.9	796.4	830.2	864.7	898.5	944.8
20°	583.2	576.6	576.6	577.2	577.2	577.2	611.7	645.5	680.0	713.8	775.0
22.5°	547.0	545.2	538.6	531.5	525.0	517.9	535.7	554.1	571.9	589.7	639.6
25°	534.5	527.9	519.6	511.3	503.0	494.7	506.0	517.3	528.5	539.8	579.0
27.5°	540.4	535.1	539.2	542.8	547.0	550.5	554.1	557.6	561.2	564.8	578.4
30°	585.0	583.2	589.7	595.6	602.2	608.1	599.8	592.1	583.8	575.5	580.2
32.5°	490.5	485.2	482.8	480.4	478.1	475.7	475.1	474.5	473.3	472.7	483.4
35°	442.4	437.7	434.1	430.6	426.4	422.8	424.6	425.8	427.6	428.8	440.6
37.5°	440.6	435.9	431.7	427.6	422.8	418.7	420.5	422.8	424.6	426.4	435.3
40°	437.7	431.7	429.4	427.0	424.6	422.2	423.4	424.6	425.2	426.4	432.9
42.5°	435.9	431.1	430.0	428.8	427.6	426.4	427.6	428.8	429.4	430.6	438.3
45°	431.7	429.4	430.6	431.7	432.9	434.1	434.1	434.1	434.1	434.1	442.4
47.5°	422.2	421.1	424.6	428.2	431.7	435.3	441.2	447.2	452.5	458.5	460.2
50°	410.4	410.4	416.3	422.2	427.6	433.5	447.8	461.4	475.7	489.3	480.4
52.5°	395.5	396.1	405.0	413.3	422.2	430.6	443.6	456.7	469.2	482.2	469.2
55°	374.1	375.9	387.2	397.9	409.2	419.9	430.0	440.1	450.2	460.2	446.6
57.5°	355.1	357.5	369.4	380.7	392.5	403.8	409.8	416.3	422.2	428.2	419.3
60°	337.3	340.9	356.3	371.8	386.6	402.0	397.3	392.5	387.2	382.5	381.9
62.5°	318.9	323.1	337.3	351.6	365.2	379.5	372.4	365.2	357.5	350.4	353.4
65°	295.7	299.9	306.4	313.0	318.9	325.4	324.8	324.8	324.3	323.7	329.6
67.5°	269.6	272.6	276.7	280.3	284.5	288.0	290.4	293.4	295.7	298.1	305.2
70°	241.7	244.7	248.8	252.4	256.6	260.1	263.1	266.1	268.4	271.4	278.5
72.5°	213.2	216.2	220.3	224.5	228.0	232.2	234.6	237.0	238.7	241.1	247.0
75°	182.9	186.5	190.6	194.2	198.4	201.9	203.7	205.5	207.3	209.0	214.4
77.5°	152.0	156.2	160.3	164.5	168.7	172.8	173.4	174.0	174.6	175.2	179.9
80°	119.4	124.7	128.9	133.0	137.2	141.3	141.3	141.3	141.3	141.3	143.7
82.5°	84.9	89.7	94.4	98.6	103.3	107.5	107.5	106.9	106.9	106.3	106.3
85°	48.7	52.9	55.8	59.4	62.4	65.3	65.3	65.3	64.7	64.7	63.5
87.5°	7.7	10.1	11.3	13.1	14.3	15.4	14.8	14.8	14.3	13.7	11.9
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: P596774  
 CATALOG NUMBER: MSA-SA4B-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: P596774

CATALOG NUMBER: MSA-SA4B-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5
2.5°	1367.7	1382.5	1397.4	1395.0	1392.6	1390.2	1387.9	1396.8	1405.1	1414.0	1422.3
5°	1391.4	1400.3	1408.7	1415.2	1421.7	1428.3	1434.8	1465.1	1494.8	1525.1	1554.7
7.5°	1245.9	1243.0	1240.6	1268.5	1297.0	1324.9	1352.8	1391.4	1430.0	1468.6	1507.2
10°	1183.6	1190.1	1196.6	1207.9	1219.8	1231.1	1242.4	1280.4	1318.4	1356.4	1394.4
12.5°	1245.3	1282.2	1318.4	1327.3	1336.8	1345.7	1354.6	1362.3	1370.1	1377.2	1384.9
15°	1145.6	1186.0	1226.3	1249.5	1272.7	1295.2	1318.4	1376.6	1434.2	1492.4	1550.0
17.5°	990.6	1036.9	1082.6	1139.6	1196.6	1253.7	1310.7	1364.1	1417.6	1470.4	1523.9
20°	836.2	896.7	957.9	1020.3	1082.0	1144.4	1206.1	1258.4	1310.7	1362.3	1414.6
22.5°	688.9	738.8	788.1	864.1	939.5	1015.5	1090.9	1188.3	1285.1	1382.5	1479.3
25°	617.6	656.8	695.4	773.8	852.2	930.0	1008.4	1134.9	1260.8	1387.3	1513.2
27.5°	592.7	606.3	620.0	691.3	761.9	833.2	903.9	1040.5	1177.0	1313.0	1449.6
30°	585.0	589.7	594.5	650.3	706.1	761.9	817.8	952.6	1088.0	1222.8	1357.6
32.5°	493.5	504.2	514.3	568.9	623.0	677.6	731.6	867.6	1003.0	1139.0	1274.4
35°	452.5	464.4	476.3	529.7	583.2	636.0	689.5	832.6	976.3	1119.4	1262.6
37.5°	444.2	453.1	462.0	522.6	583.2	643.8	704.3	849.2	994.1	1139.0	1283.9
40°	440.1	446.6	453.1	511.9	571.3	630.1	688.9	840.9	992.4	1144.4	1295.8
42.5°	445.4	453.1	460.2	513.7	566.5	620.0	672.9	830.2	987.0	1144.4	1301.2
45°	450.2	458.5	466.2	516.1	566.0	615.8	665.7	833.8	1001.3	1169.3	1336.8
47.5°	461.4	463.2	464.4	507.8	550.5	593.9	636.6	807.7	978.7	1149.1	1320.2
50°	470.9	462.0	452.5	497.7	542.2	587.3	631.9	794.0	956.1	1117.7	1279.8
52.5°	456.1	442.4	429.4	478.1	526.8	574.9	623.6	785.7	948.4	1110.5	1272.7
55°	433.5	419.9	406.2	455.5	504.8	554.1	603.4	764.9	927.0	1088.6	1250.1
57.5°	411.0	402.0	393.1	433.5	474.5	514.9	555.3	730.5	905.1	1080.2	1254.8
60°	381.3	380.1	379.5	411.0	443.0	474.5	506.0	677.6	848.6	1020.3	1191.3
62.5°	355.7	358.7	361.1	386.6	412.1	437.1	462.6	628.3	794.6	960.3	1126.0
65°	336.1	342.1	348.0	377.1	406.2	434.7	463.8	602.8	741.7	880.7	1019.7
67.5°	312.4	319.5	326.6	364.6	402.6	440.6	478.7	593.3	707.9	822.5	937.1
70°	285.1	292.2	298.7	347.4	395.5	444.2	492.3	593.9	696.0	797.6	899.1
72.5°	253.0	258.9	264.9	317.1	369.4	421.6	473.9	560.0	646.1	731.6	817.8
75°	220.3	225.7	231.0	276.1	321.3	366.4	411.6	478.1	544.0	610.5	676.4
77.5°	184.1	188.8	193.0	223.3	253.6	283.9	314.2	365.2	415.7	466.8	517.3
80°	146.1	148.5	150.8	168.7	185.9	203.7	220.9	254.8	288.6	321.9	355.7
82.5°	106.9	106.9	106.9	118.2	130.1	141.3	152.6	169.8	186.5	203.7	220.3
85°	62.4	60.6	59.4	67.1	74.8	82.5	90.3	97.4	104.5	111.6	118.8
87.5°	10.1	7.7	5.9	10.7	15.4	20.2	24.9	27.3	30.3	32.7	35.0
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: P596774  
 CATALOG NUMBER: MSA-SA4B-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: P596774

CATALOG NUMBER: MSA-SA4B-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5
2.5°	1402.1	1382.5	1362.3	1342.1	1371.8	1401.5	1431.2	1460.9	1539.9	1586.8	1589.8
5°	1579.7	1604.6	1629.6	1654.5	1679.5	1704.4	1728.7	1753.7	1882.0	1960.9	1975.8
7.5°	1548.2	1589.8	1630.8	1671.7	1742.4	1813.1	1883.7	1954.4	2063.1	2141.5	2193.2
10°	1445.5	1496.5	1547.6	1598.7	1682.4	1766.8	1850.5	1934.2	2049.4	2152.8	2202.1
12.5°	1466.3	1547.6	1628.4	1709.7	1782.2	1855.2	1927.7	2000.1	2079.7	2118.9	2208.6
15°	1606.4	1662.8	1719.2	1775.7	1884.9	1993.6	2102.9	2211.6	2256.7	2346.4	2427.1
17.5°	1627.8	1731.1	1835.0	1938.4	2072.0	2205.6	2339.2	2472.9	2556.6	2672.4	2769.8
20°	1561.3	1707.4	1854.1	2000.1	2172.4	2345.2	2517.4	2689.6	2795.9	2893.3	3044.2
22.5°	1640.9	1802.4	1963.3	2124.9	2353.5	2581.5	2810.2	3038.2	3260.3	3477.7	3579.8
25°	1728.7	1944.9	2160.5	2376.1	2661.7	2946.8	3232.4	3517.5	3803.1	4006.8	4124.4
27.5°	1667.0	1883.7	2101.1	2317.9	2671.2	3025.2	3378.5	3731.9	4037.7	4283.0	4383.9
30°	1623.6	1889.7	2155.7	2421.8	2836.3	3250.8	3665.3	4079.9	4362.5	4636.3	4784.8
32.5°	1615.9	1957.4	2298.3	2639.7	3122.6	3604.8	4087.6	4569.8	4757.5	5000.4	5200.5
35°	1637.3	2012.6	2387.3	2762.1	3315.6	3869.0	4421.9	4975.4	5242.1	5482.6	5657.8
37.5°	1702.6	2121.3	2539.4	2958.1	3625.0	4292.5	4959.4	5626.3	6073.5	6513.5	6591.9
40°	1739.4	2183.6	2627.3	3070.9	3846.5	4622.1	5397.7	6173.3	6687.5	7170.4	7203.0
42.5°	1782.8	2264.4	2745.4	3227.1	4087.0	4947.5	5807.4	6667.3	7304.0	7823.0	7838.5
45°	1832.7	2328.0	2823.8	3319.1	4217.1	5114.4	6012.3	6909.6	7679.3	8310.0	8156.2
47.5°	1852.3	2385.0	2917.1	3449.2	4406.5	5363.2	6320.5	7277.2	7967.9	8541.6	8394.3
50°	1860.0	2440.8	3021.0	3601.2	4593.0	5585.3	6577.1	7568.8	8271.4	8830.8	8605.1
52.5°	1908.1	2543.5	3179.0	3814.4	4847.7	5881.1	6914.4	7947.7	8639.0	9176.4	8896.1
55°	1972.8	2695.6	3417.7	4140.4	5210.0	6279.0	7348.5	8417.5	9111.1	9611.1	9263.7
57.5°	2032.8	2811.4	3589.3	4367.3	5475.5	6584.2	7692.4	8800.5	9503.1	9997.8	9661.0
60°	2003.7	2816.1	3628.5	4440.9	5530.1	6618.7	7707.8	8796.4	9593.9	10187.2	10015.0
62.5°	1915.8	2705.7	3494.9	4284.8	5318.7	6352.0	7385.9	8419.3	9352.8	10113.6	10105.8
65°	1746.6	2473.5	3199.8	3926.7	4883.4	5840.7	6797.4	7754.1	8854.6	9778.6	9838.6
67.5°	1540.5	2143.9	2747.2	3350.6	4251.5	5152.4	6053.3	6954.2	8130.6	9150.3	9202.0
70°	1341.0	1783.4	2225.2	2667.1	3458.1	4249.1	5039.6	5830.6	7018.9	8050.5	8098.0
72.5°	1107.0	1396.2	1684.8	1974.0	2614.8	3255.6	3895.8	4536.6	5580.0	6373.4	6641.2
75°	848.0	1019.7	1191.3	1362.9	1881.4	2399.8	2917.7	3436.1	4129.8	4715.3	5017.0
77.5°	606.3	695.4	784.5	873.6	1314.2	1754.9	2194.9	2635.6	3000.2	3332.2	3535.9
80°	397.9	439.5	481.6	523.2	889.6	1256.0	1621.9	1988.3	2210.4	2388.5	2491.3
82.5°	241.1	261.9	282.1	302.9	599.8	896.7	1193.1	1490.0	1617.1	1702.0	1793.5
85°	130.1	141.3	152.6	163.9	354.5	544.6	735.2	925.2	937.7	947.8	1083.8
87.5°	38.0	41.6	44.5	47.5	78.4	109.9	140.7	171.6	106.9	66.5	136.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596774  
 CATALOG NUMBER: MSA-SA4B-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: P596774

CATALOG NUMBER: MSA-SA4B-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5
2.5°	1572.6	1564.8	1557.1	1548.8	1541.1	1508.4	1476.4	1443.7	1411.0	1442.5	1473.4
5°	1958.6	1982.3	2005.5	2029.2	2053.0	2054.8	2056.0	2057.8	2058.9	2064.9	2070.8
7.5°	2236.5	2278.7	2320.2	2362.4	2404.6	2437.2	2469.9	2503.2	2535.8	2506.1	2476.4
10°	2260.3	2349.3	2438.4	2527.5	2616.6	2632.6	2648.1	2664.1	2680.1	2701.5	2722.3
12.5°	2284.0	2392.7	2500.8	2609.5	2718.1	2765.6	2812.6	2860.1	2907.0	2930.1	2952.7
15°	2535.2	2599.4	2662.9	2727.0	2790.6	2823.2	2855.3	2888.0	2920.6	2940.2	2959.2
17.5°	2858.3	2882.0	2905.2	2929.0	2952.7	2974.7	2996.7	3018.6	3040.6	3044.2	3047.7
20°	3152.8	3157.6	3161.7	3166.5	3170.7	3124.3	3078.6	3032.3	2986.0	2994.3	3002.0
22.5°	3594.7	3568.5	3543.0	3516.9	3491.3	3404.0	3317.3	3230.0	3143.3	3105.9	3069.1
25°	4259.8	4193.3	4126.8	4060.3	3993.8	3854.8	3716.4	3577.5	3439.1	3357.7	3277.0
27.5°	4474.2	4329.3	4185.0	4040.1	3895.2	3790.1	3685.5	3580.4	3475.9	3347.0	3218.2
30°	4907.7	4679.1	4451.0	4222.4	3993.8	3892.2	3790.7	3688.5	3587.0	3455.1	3323.9
32.5°	5292.0	5054.4	4816.9	4578.7	4341.2	4148.8	3956.3	3763.9	3571.5	3482.4	3393.4
35°	5736.8	5438.0	5139.3	4840.6	4541.9	4376.8	4212.3	4047.2	3882.7	3747.9	3613.7
37.5°	6384.7	6066.9	5749.2	5430.9	5113.2	4889.9	4667.2	4443.9	4221.2	4147.0	4073.3
40°	7002.3	6627.0	6252.2	5876.9	5502.2	5331.1	5160.1	4988.5	4817.5	4692.1	4566.8
42.5°	7519.5	7148.4	6777.8	6406.6	6036.1	5911.4	5787.2	5662.5	5538.4	5435.1	5331.7
45°	7697.1	7394.2	7092.0	6789.1	6486.2	6442.3	6398.9	6355.0	6311.6	6235.0	6158.4
47.5°	7982.8	7674.0	7365.7	7056.9	6748.1	6764.1	6780.2	6796.8	6812.8	6817.0	6820.6
50°	8150.8	7857.5	7564.7	7271.3	6978.5	7056.3	7133.5	7211.3	7289.1	7465.5	7641.3
52.5°	8396.1	8108.1	7820.6	7532.6	7244.6	7376.4	7507.7	7639.5	7770.8	8017.8	8264.9
55°	8703.7	8428.2	8153.2	7877.6	7602.7	7731.0	7858.6	7986.9	8114.6	8389.6	8664.5
57.5°	9111.7	8816.6	8522.0	8226.8	7932.3	8050.5	8168.1	8286.2	8403.8	8665.1	8926.4
60°	9576.1	9255.4	8934.7	8613.5	8292.8	8325.4	8357.5	8390.2	8422.2	8705.5	8988.2
62.5°	9804.2	9507.2	9210.9	8913.9	8617.0	8526.2	8435.3	8343.8	8253.0	8506.6	8759.5
65°	9606.4	9402.1	9198.4	8994.1	8789.8	8629.5	8469.7	8309.4	8149.0	8307.6	8465.6
67.5°	8976.9	8861.1	8745.9	8630.1	8514.3	8245.3	7976.2	7706.6	7437.6	7448.3	7458.4
70°	7956.6	7925.8	7895.5	7864.6	7833.7	7429.3	7025.4	6621.0	6216.6	6154.8	6093.1
72.5°	6663.8	6684.0	6703.6	6723.8	6744.0	6309.2	5874.5	5439.8	5005.1	4902.4	4799.6
75°	5161.3	5272.9	5384.6	5496.8	5608.5	5192.8	4777.1	4360.8	3945.1	3818.6	3692.1
77.5°	3646.9	3855.4	4063.2	4271.7	4480.1	4104.2	3728.9	3353.0	2977.1	2895.1	2813.1
80°	2542.9	2645.1	2747.2	2849.4	2951.5	2762.7	2573.8	2385.0	2196.1	2218.7	2240.7
82.5°	1852.3	1876.0	1899.2	1922.9	1946.7	1869.5	1792.3	1714.5	1637.3	1696.1	1754.9
85°	1186.5	1271.5	1355.8	1440.7	1525.1	1439.5	1354.0	1267.9	1182.4	1221.6	1260.8
87.5°	265.5	419.9	574.3	729.3	883.7	800.5	718.0	634.8	551.7	514.3	477.5
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: P596774  
 CATALOG NUMBER: MSA-SA4B-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: P596774

CATALOG NUMBER: MSA-SA4B-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5
2.5°	1504.9	1536.3	1526.8	1517.9	1508.4	1498.9	1516.1	1533.4	1551.2	1568.4	1562.5
5°	2077.3	2083.3	2026.9	1971.0	1914.6	1858.2	1893.2	1928.3	1963.3	1998.4	1985.9
7.5°	2446.7	2417.0	2384.4	2351.7	2318.5	2285.8	2278.7	2271.5	2263.8	2256.7	2247.2
10°	2743.7	2764.5	2743.1	2722.3	2700.9	2679.5	2629.6	2579.8	2529.3	2479.4	2458.6
12.5°	2975.9	2999.0	3004.4	3009.1	3014.5	3019.8	2964.0	2908.8	2852.9	2797.1	2746.6
15°	2978.8	2998.4	3015.7	3032.3	3049.5	3066.1	3031.7	2997.8	2963.4	2929.0	2912.9
17.5°	3051.9	3055.4	3041.2	3027.5	3013.3	2999.6	2986.0	2972.9	2959.2	2946.2	2920.6
20°	3010.3	3018.6	3016.8	3015.1	3012.7	3010.9	3012.1	3012.7	3013.9	3014.5	3000.2
22.5°	3031.7	2994.3	3002.0	3009.1	3016.8	3024.0	3045.4	3066.7	3088.7	3110.1	3167.1
25°	3195.6	3114.2	3101.8	3089.9	3077.4	3065.5	3121.4	3176.6	3232.4	3288.2	3380.9
27.5°	3088.7	2959.8	2931.3	2902.8	2874.3	2845.8	2930.7	3015.1	3100.0	3184.9	3279.3
30°	3192.0	3060.8	2997.8	2934.9	2871.3	2808.4	2889.8	2970.5	3051.9	3132.6	3237.2
32.5°	3304.3	3215.2	3173.0	3131.5	3089.3	3047.7	3054.3	3060.8	3067.3	3073.9	3221.1
35°	3478.9	3344.1	3302.5	3260.9	3219.4	3177.8	3247.3	3316.2	3385.6	3454.5	3579.2
37.5°	3999.1	3924.9	3850.0	3775.2	3699.8	3625.0	3665.9	3706.9	3747.9	3788.9	3906.5
40°	4441.5	4316.2	4303.8	4291.9	4279.4	4266.9	4270.5	4273.5	4277.0	4280.6	4381.0
42.5°	5227.8	5124.5	5060.9	4997.4	4933.8	4870.3	4866.1	4862.0	4857.2	4853.1	4928.5
45°	6081.2	6004.6	5957.1	5909.6	5861.5	5814.0	5738.5	5663.1	5587.1	5511.7	5577.6
47.5°	6824.7	6828.9	6915.0	7000.5	7086.6	7172.7	7043.9	6915.0	6786.1	6657.3	6572.3
50°	7817.7	7993.5	8014.2	8034.4	8055.2	8076.0	7857.5	7639.5	7421.0	7202.4	7113.3
52.5°	8512.5	8759.5	8727.5	8696.0	8663.9	8631.9	8505.4	8379.5	8253.0	8126.5	7932.3
55°	8940.1	9215.0	9190.7	9166.9	9142.6	9118.2	9026.2	8934.1	8842.1	8750.0	8536.8
57.5°	9187.7	9449.0	9456.1	9463.3	9470.4	9477.5	9453.2	9428.8	9404.5	9380.1	9102.8
60°	9271.5	9554.7	9557.7	9560.1	9563.0	9565.4	9526.8	9488.2	9449.0	9410.4	9229.3
62.5°	9013.1	9266.1	9277.4	9288.1	9299.4	9310.7	9283.9	9257.2	9230.5	9203.8	9069.5
65°	8624.1	8782.7	8785.7	8788.0	8791.0	8794.0	8726.3	8659.2	8591.5	8523.8	8491.7
67.5°	7469.1	7479.8	7542.7	7605.7	7668.6	7731.6	7736.9	7742.2	7748.2	7753.5	7707.2
70°	6031.3	5969.6	6037.8	6106.1	6174.4	6242.7	6271.8	6300.9	6330.6	6359.7	6381.1
72.5°	4696.3	4593.6	4644.0	4694.5	4745.6	4796.1	4752.7	4709.4	4666.0	4622.7	4759.8
75°	3565.6	3439.1	3432.6	3426.6	3420.1	3414.1	3392.2	3370.2	3347.6	3325.7	3453.9
77.5°	2730.6	2648.6	2652.8	2656.4	2660.5	2664.1	2641.5	2619.5	2597.0	2574.4	2623.7
80°	2263.2	2285.2	2285.8	2286.4	2287.0	2287.6	2266.2	2245.4	2224.0	2202.7	2167.0
82.5°	1814.3	1873.1	1872.5	1872.5	1871.9	1871.3	1870.1	1868.9	1867.1	1865.9	1807.7
85°	1300.0	1339.2	1298.8	1258.4	1218.0	1177.6	1207.3	1237.0	1267.3	1297.0	1272.7
87.5°	440.1	403.2	355.1	307.6	259.5	211.4	263.1	314.7	367.0	418.7	448.4
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: P596774  
 CATALOG NUMBER: MSA-SA4B-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: P596774

CATALOG NUMBER: MSA-SA4B-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5
2.5°	1557.1	1551.2	1545.8	1508.4	1470.4	1433.0	1395.0	1463.9	1533.4	1602.3	1671.1
5°	1974.0	1961.5	1949.7	1946.7	1943.7	1940.2	1937.2	1972.2	2007.3	2041.7	2076.8
7.5°	2237.7	2228.2	2218.7	2193.7	2169.4	2144.5	2119.5	2140.9	2161.7	2183.1	2203.8
10°	2438.4	2417.6	2396.8	2342.8	2289.4	2235.3	2181.3	2165.2	2149.2	2133.2	2117.1
12.5°	2696.2	2645.1	2594.6	2533.4	2471.7	2410.5	2348.7	2340.4	2332.1	2324.4	2316.1
15°	2897.5	2881.4	2865.4	2816.7	2768.0	2719.3	2670.6	2605.3	2539.4	2474.1	2408.7
17.5°	2895.7	2870.2	2845.2	2910.5	2975.3	3040.6	3105.3	3035.8	2965.8	2896.3	2826.8
20°	2986.0	2971.1	2956.9	3077.4	3197.4	3317.9	3437.9	3399.9	3361.3	3323.3	3284.7
22.5°	3223.5	3280.5	3336.9	3440.3	3543.0	3646.3	3749.1	3792.4	3835.8	3879.1	3922.5
25°	3472.9	3565.6	3658.2	3812.0	3965.3	4119.1	4272.9	4303.8	4334.6	4365.5	4396.4
27.5°	3373.2	3467.6	3562.0	3678.4	3794.2	3910.6	4026.4	4161.8	4297.8	4433.2	4568.6
30°	3341.1	3445.6	3549.5	3709.3	3868.5	4028.2	4188.0	4374.4	4560.9	4746.8	4933.3
32.5°	3367.8	3515.1	3662.4	3878.5	4094.1	4310.3	4526.5	4722.4	4919.0	5115.0	5311.0
35°	3703.4	3828.1	3952.2	4193.9	4435.6	4677.3	4919.0	5148.8	5378.7	5607.9	5837.7
37.5°	4023.5	4141.0	4258.6	4505.7	4752.1	4999.2	5246.2	5609.1	5972.5	6335.4	6698.2
40°	4480.7	4581.1	4680.9	4892.3	5103.7	5315.1	5526.5	5964.2	6401.9	6839.6	7277.2
42.5°	5003.3	5078.8	5153.6	5372.7	5591.9	5811.0	6030.1	6506.4	6983.3	7459.6	7935.8
45°	5642.9	5708.8	5774.8	5925.6	6076.4	6227.9	6378.7	6869.9	7361.0	7852.1	8343.2
47.5°	6487.4	6402.5	6317.6	6391.8	6466.0	6540.3	6614.5	7100.3	7586.1	8071.3	8557.0
50°	7024.3	6935.2	6846.1	6852.6	6858.6	6865.1	6871.6	7324.8	7777.9	8230.4	8683.5
52.5°	7738.1	7543.3	7349.1	7347.3	7345.5	7343.2	7341.4	7736.3	8131.8	8526.7	8921.7
55°	8323.6	8110.4	7897.2	7855.7	7814.1	7771.9	7730.4	8121.1	8511.3	8902.1	9292.2
57.5°	8825.5	8547.5	8270.2	8204.9	8139.5	8074.2	8008.9	8429.9	8851.6	9272.6	9693.7
60°	9048.8	8867.6	8687.1	8606.9	8526.7	8446.6	8366.4	8725.1	9083.8	9441.9	9800.6
62.5°	8935.9	8801.7	8668.1	8686.5	8704.9	8723.3	8741.7	8946.6	9152.1	9357.0	9561.9
65°	8460.2	8428.2	8396.7	8545.2	8693.6	8842.1	8990.6	8993.5	8996.5	8999.5	9002.4
67.5°	7660.9	7614.6	7568.2	7877.1	8185.3	8494.1	8802.9	8656.2	8509.5	8363.4	8216.7
70°	6401.9	6423.3	6444.1	6864.5	7284.4	7704.8	8125.3	7912.7	7699.5	7486.9	7273.7
72.5°	4897.0	5034.8	5172.0	5607.9	6043.8	6479.7	6915.6	6672.7	6429.2	6186.3	5942.8
75°	3582.2	3710.5	3838.8	4269.3	4699.9	5131.0	5561.6	5272.9	4984.3	4696.3	4407.7
77.5°	2673.0	2722.9	2772.2	3130.3	3487.8	3845.9	4203.4	3913.6	3623.8	3334.6	3044.8
80°	2132.0	2096.4	2061.3	2259.7	2458.0	2656.4	2854.7	2649.2	2443.2	2237.7	2032.2
82.5°	1750.1	1691.9	1634.3	1708.0	1781.6	1855.8	1929.5	1765.0	1600.5	1436.0	1271.5
85°	1248.3	1224.0	1199.6	1221.0	1241.8	1263.2	1284.5	1124.2	963.8	804.1	643.8
87.5°	477.5	507.2	536.9	570.7	604.0	637.8	671.1	525.6	380.1	235.2	89.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596774  
 CATALOG NUMBER: MSA-SA4B-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: P596774  
 CATALOG NUMBER: MSA-SA4B-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	1290.5	1290.5
2.5°	1699.6	1728.2
5°	2076.2	2075.6
7.5°	2194.3	2184.2
10°	2091.0	2064.9
12.5°	2238.9	2161.1
15°	2331.5	2253.7
17.5°	2709.8	2592.2
20°	3145.1	3005.0
22.5°	3709.3	3496.1
25°	4141.6	3886.3
27.5°	4417.2	4265.2
30°	4759.3	4585.2
32.5°	5182.7	5053.8
35°	5720.1	5601.9
37.5°	6661.4	6624.0
40°	7232.7	7187.6
42.5°	7937.6	7938.8
45°	8370.0	8396.7
47.5°	8624.7	8691.8
50°	8827.8	8971.6
52.5°	9118.2	9314.8
55°	9553.5	9814.3
57.5°	9915.8	10137.9
60°	9915.8	10030.4
62.5°	9558.9	9555.3
65°	8947.2	8891.4
67.5°	8146.7	8076.6
70°	7164.4	7054.5
72.5°	5806.8	5670.2
75°	4220.6	4033.0
77.5°	2955.7	2866.0
80°	2075.6	2118.9
82.5°	1333.2	1395.0
85°	634.3	624.7
87.5°	74.8	60.0
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: P596774  
CATALOG NUMBER: MSA-SA4B-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)