

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: P596707

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

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P596707  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-25)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: MSA-SA3C-827-U-SLR-HSS  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9763 lumens  
Efficiency: N/A  
Efficacy: 58.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G2

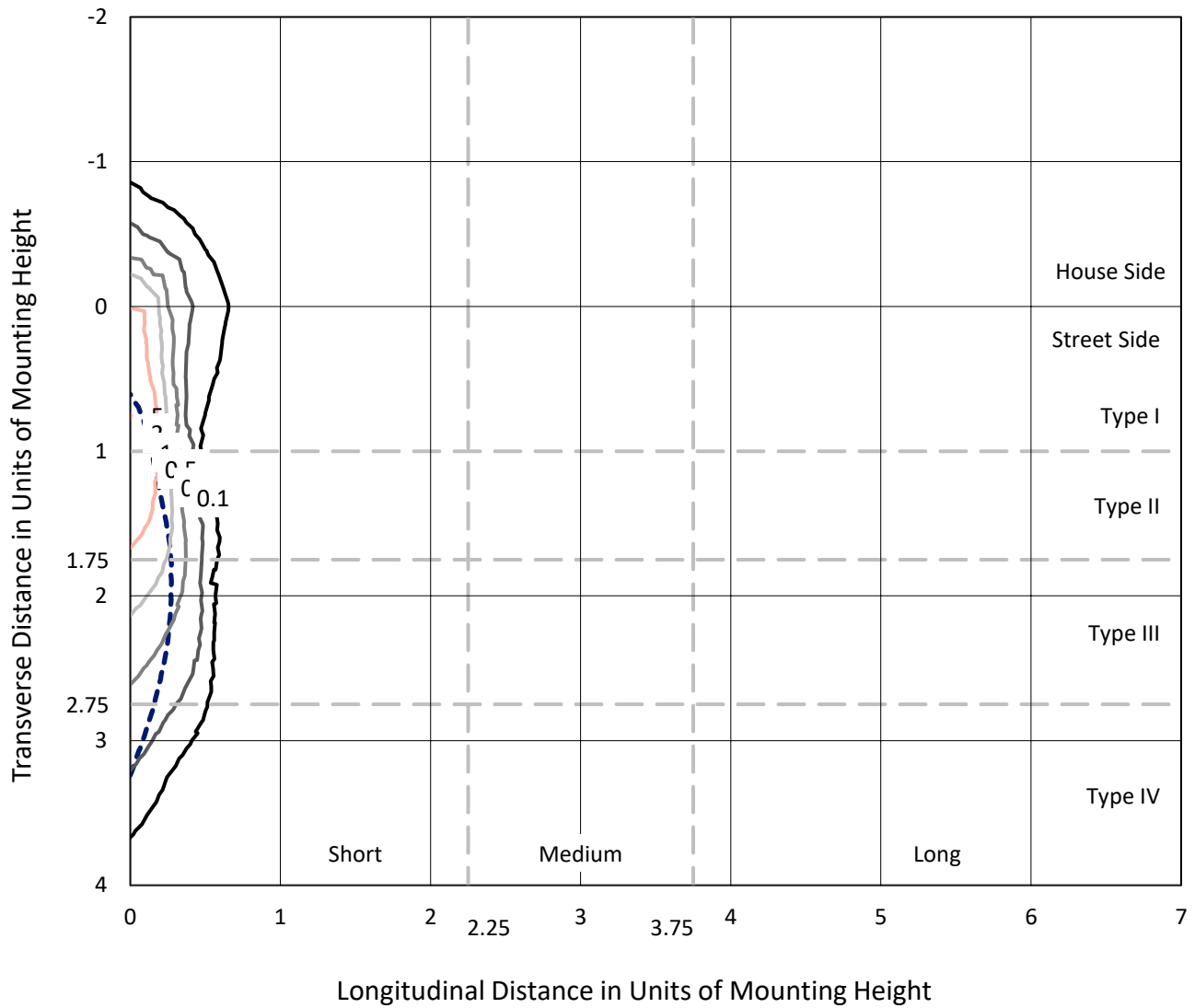
Input Watts (W): 166  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

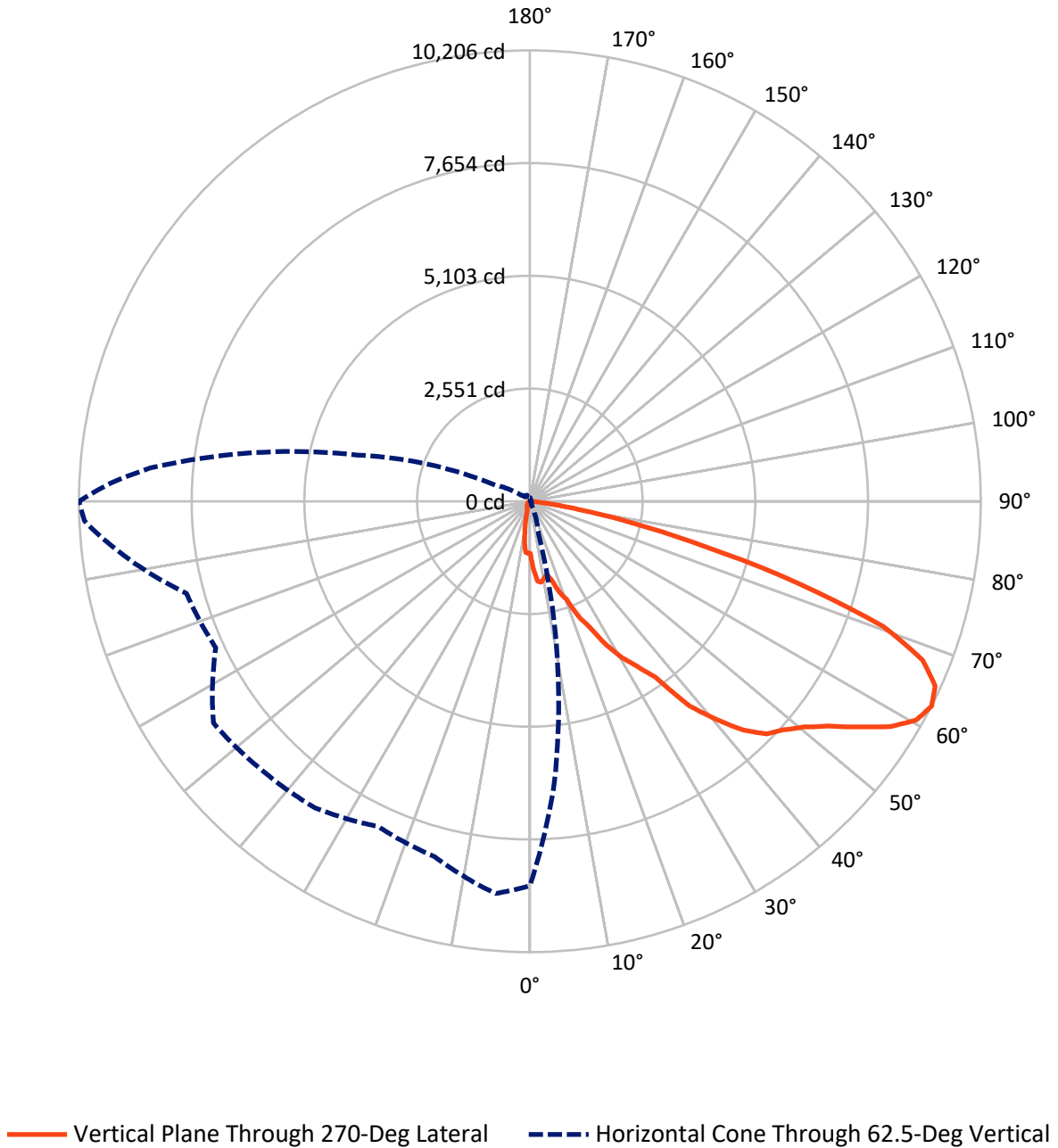
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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	1630.3	0.0	1630.3
	% Fixture	16.7	0.0	16.7
<b>Street Side</b>	Lumens	8132.7	0.0	8132.7
	% Fixture	83.3	0.0	83.3
<b>Total</b>	Lumens	9763.0	0.0	9763.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.5	1.3
10°-20°	343.4	3.5
20°-30°	555.0	5.7
30°-40°	929.5	9.5
40°-50°	1519.6	15.6
50°-60°	2249.5	23.0
60°-70°	2582.4	26.5
70°-80°	1276.9	13.1
80°-90°	175.4	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9763.0	100.0
0°-180°	9763.0	100.0

**Coefficient of Utilization**



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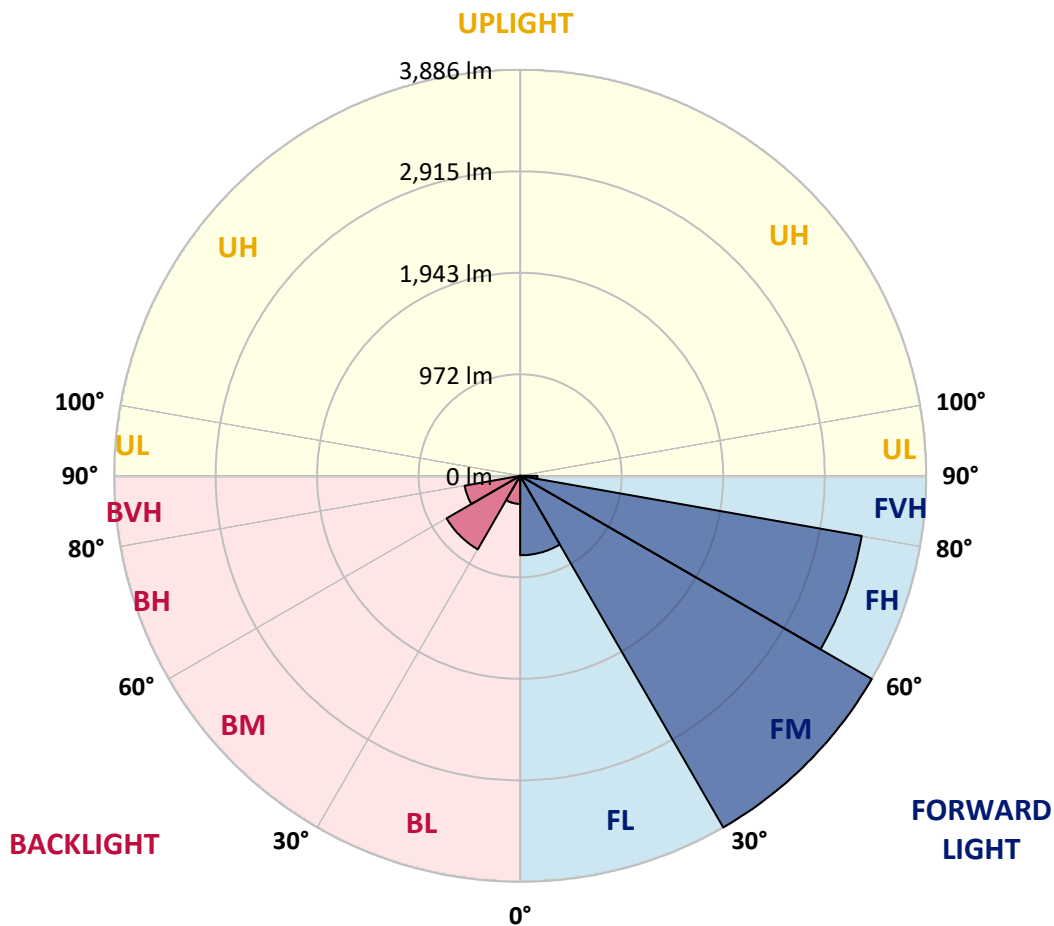
CATALOG NUMBER: MSA-SA3C-827-U-SLR-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	760.6	7.8			
FM (30°-60°)	3886.2	39.8			
FH (60°-80°)	3319.9	34.0			G2/5000
FVH (80°-90°)	166.1	1.7			G2/225
BL (0°-30°)	269.2	2.8	B1/500		
BM (30°-60°)	812.4	8.3	B1/1000		
BH (60°-80°)	539.4	5.5	B2/1000		G2/1000
BVH (80°-90°)	9.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

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°	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5
2.5°	1559.9	1579.4	1598.3	1562.2	1526.0	1489.8	1453.6	1421.4	1389.1	1356.2	1324.0
5°	2007.4	1971.8	1936.1	1887.2	1838.2	1789.2	1740.2	1717.4	1694.6	1671.8	1649.0
7.5°	2163.2	2099.8	2035.8	1992.3	1949.5	1906.1	1862.7	1794.2	1725.2	1656.8	1587.8
10°	2040.8	1973.4	1905.5	1867.7	1829.8	1792.0	1754.2	1669.0	1583.3	1498.2	1412.5
12.5°	2097.0	2024.1	1951.2	1873.3	1795.3	1717.4	1639.5	1574.4	1508.7	1443.6	1377.9
15°	2135.9	2052.5	1968.4	1879.4	1790.3	1701.3	1612.2	1535.4	1459.2	1382.4	1305.6
17.5°	2364.7	2245.0	2125.4	1988.5	1851.5	1714.6	1577.7	1488.7	1400.2	1311.2	1222.1
20°	2658.5	2488.8	2318.5	2133.1	1947.8	1762.5	1577.2	1466.4	1355.7	1244.9	1134.2
22.5°	3000.2	2788.2	2575.6	2346.9	2118.7	1889.9	1661.2	1502.1	1342.9	1183.7	1024.6
25°	3344.1	3152.7	2961.3	2653.5	2345.7	2037.4	1729.7	1527.7	1325.1	1123.1	920.5
27.5°	3965.2	3623.0	3280.7	2888.9	2497.7	2105.9	1714.1	1482.6	1251.1	1019.0	787.5
30°	4371.5	4108.2	3844.5	3326.9	2809.9	2292.3	1774.7	1481.5	1188.2	894.3	601.0
32.5°	4857.3	4472.2	4086.5	3525.0	2963.5	2401.9	1840.4	1495.9	1150.9	806.4	461.4
35°	5403.3	4984.2	4565.1	3853.9	3142.7	2430.9	1719.7	1385.7	1051.8	717.9	384.0
37.5°	6367.7	5666.5	4965.3	4136.1	3306.3	2477.1	1647.3	1313.9	980.0	646.7	312.8
40°	6915.3	6245.8	5576.3	4540.1	3503.9	2467.6	1431.4	1135.3	839.8	543.7	247.7
42.5°	7627.7	6778.4	5928.6	4770.5	3612.4	2454.3	1296.1	1022.3	748.5	474.2	200.3
45°	8050.1	7087.9	6125.6	4870.7	3615.7	2360.8	1105.8	868.7	631.7	394.6	157.5
47.5°	8316.7	7351.7	6386.6	5039.3	3692.5	2345.2	997.8	779.7	561.5	343.4	125.2
50°	8451.9	7484.1	6515.8	5131.1	3746.5	2361.3	976.7	759.7	542.1	325.0	107.4
52.5°	8592.7	7659.4	6725.6	5290.3	3855.0	2419.8	984.5	763.0	542.1	320.6	99.1
55°	8877.1	7956.6	7035.5	5518.5	4001.4	2484.3	967.2	749.1	530.9	312.2	94.1
57.5°	9226.6	8242.6	7258.2	5685.4	4112.7	2540.0	967.2	748.0	528.7	308.9	89.6
60°	9160.4	8092.4	7023.9	5497.9	3971.9	2445.4	919.4	710.7	502.5	293.8	85.1
62.5°	8705.7	7546.4	6386.6	4976.4	3565.6	2155.4	744.6	578.2	411.8	244.9	78.5
65°	8171.4	6940.9	5709.9	4412.1	3113.7	1815.9	517.6	406.3	294.4	183.1	71.2
67.5°	7528.1	6215.8	4903.5	3749.3	2595.6	1441.4	287.2	231.5	175.9	119.7	64.0
70°	6411.7	5057.1	3702.0	2814.9	1928.3	1041.3	154.2	130.2	106.3	82.4	58.4
72.5°	4813.4	3572.3	2331.3	1770.9	1211.0	650.6	90.2	81.3	71.8	62.9	53.4
75°	3275.1	2345.2	1415.2	1077.4	740.2	402.4	64.6	60.1	55.1	50.6	45.6
77.5°	2226.6	1610.6	994.5	759.1	523.7	288.3	52.9	50.1	47.3	44.0	41.2
80°	1390.2	951.7	513.1	395.1	276.6	158.6	40.1	38.4	36.7	34.5	32.8
82.5°	972.2	581.6	190.9	149.1	107.4	65.1	23.4	23.9	24.5	24.5	25.0
85°	407.9	220.4	32.8	27.8	22.8	17.8	12.8	13.9	15.6	16.7	17.8
87.5°	7.2	3.9	0.0	1.1	2.8	3.9	5.0	6.7	7.8	9.5	10.6
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



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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°	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5
2.5°	1332.3	1340.7	1348.5	1356.8	1350.1	1344.0	1337.3	1330.6	1320.6	1311.2	1301.1
5°	1621.1	1593.3	1565.5	1537.7	1495.4	1453.1	1410.2	1367.9	1362.9	1357.9	1352.3
7.5°	1522.6	1457.5	1391.9	1326.7	1265.5	1204.3	1143.1	1081.9	1063.0	1044.6	1025.7
10°	1362.4	1312.3	1261.6	1211.5	1167.6	1123.1	1079.1	1034.6	988.4	942.2	895.4
12.5°	1325.6	1273.3	1220.5	1168.1	1128.1	1088.0	1047.9	1007.9	956.1	904.3	852.6
15°	1248.8	1192.1	1135.3	1078.5	1025.1	971.7	917.7	864.3	801.9	739.6	677.3
17.5°	1154.8	1088.0	1020.7	953.3	883.2	813.1	743.0	672.8	601.0	529.8	458.0
20°	1042.9	951.7	859.8	768.6	681.7	594.9	507.5	420.7	375.7	331.1	286.1
22.5°	906.6	788.0	670.1	551.5	480.3	408.5	337.3	265.5	246.0	226.5	207.0
25°	786.4	652.2	518.1	384.0	338.9	293.8	248.8	203.7	194.8	185.3	176.4
27.5°	661.1	535.4	409.0	282.7	257.1	231.0	205.4	179.2	173.1	167.5	161.4
30°	507.0	412.9	318.3	224.3	207.6	190.9	173.6	156.9	154.2	150.8	148.0
32.5°	392.9	323.9	255.4	186.4	177.0	167.5	158.1	148.6	144.1	139.7	134.7
35°	328.3	273.3	217.6	161.9	155.3	148.0	141.4	134.1	129.7	124.7	120.2
37.5°	272.1	232.1	191.4	150.8	143.6	136.3	128.6	121.3	118.0	114.6	111.3
40°	224.3	200.9	177.5	154.2	143.6	133.0	122.4	111.9	109.1	106.3	103.5
42.5°	185.3	170.3	154.7	139.7	131.9	124.7	116.9	109.1	105.2	100.7	96.8
45°	149.7	141.4	133.6	125.2	125.8	126.3	126.3	126.9	116.9	106.3	96.3
47.5°	121.3	117.4	113.0	109.1	113.5	118.0	121.9	126.3	115.8	105.2	94.1
50°	104.1	101.3	97.9	94.6	99.1	104.1	108.5	113.0	108.5	104.6	100.2
52.5°	95.2	91.3	87.4	83.5	85.1	87.4	89.0	90.7	90.7	90.7	90.7
55°	89.6	85.7	81.3	76.8	75.1	72.9	71.2	69.0	66.2	64.0	61.2
57.5°	85.1	80.7	75.7	71.2	68.5	65.1	62.3	59.0	56.2	52.9	50.1
60°	80.7	76.2	71.2	66.8	64.0	61.2	57.9	55.1	51.8	49.0	45.6
62.5°	74.6	70.7	66.8	62.9	60.1	57.9	55.1	52.3	49.0	45.6	41.7
65°	67.9	65.1	61.8	58.4	55.7	52.9	50.1	47.3	44.0	41.2	37.8
67.5°	61.8	59.0	56.8	54.0	50.6	47.9	44.5	41.2	39.0	36.7	33.9
70°	56.8	54.5	52.9	50.6	47.3	44.5	41.2	37.8	36.2	33.9	32.3
72.5°	51.8	50.1	47.9	46.2	43.4	40.6	37.8	35.1	33.4	31.7	30.1
75°	44.5	43.4	42.3	41.2	38.4	35.6	32.3	29.5	28.9	28.4	27.8
77.5°	40.1	39.5	38.4	37.3	34.5	31.7	28.9	26.2	26.7	27.3	27.3
80°	32.8	32.8	32.3	32.3	30.1	27.8	25.0	22.8	23.9	25.6	26.7
82.5°	25.0	25.0	25.0	25.0	22.8	20.6	18.4	16.1	17.8	18.9	20.6
85°	17.3	16.7	16.1	15.6	13.9	12.8	11.1	9.5	11.7	13.4	15.6
87.5°	10.6	11.1	11.1	11.1	10.0	8.3	7.2	5.6	6.7	7.2	8.3
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: P596707  
 CATALOG NUMBER: MSA-SA3C-827-U-SLR-HSS

**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: P596707  
 CATALOG NUMBER: MSA-SA3C-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5
2.5°	1291.1	1274.4	1257.7	1240.5	1223.8	1184.8	1145.9	1106.9	1068.0	1096.9	1125.3
5°	1347.3	1315.1	1282.2	1249.9	1217.1	1202.6	1188.7	1174.3	1159.8	1162.0	1164.8
7.5°	1006.7	985.6	964.5	942.7	921.6	917.1	913.3	908.8	904.3	913.8	922.7
10°	849.3	819.8	789.7	760.2	730.2	714.0	697.9	681.7	665.6	663.9	661.7
12.5°	800.8	755.8	711.2	666.2	621.1	586.0	551.0	515.9	480.8	483.6	486.4
15°	615.0	569.9	525.4	480.3	435.2	406.8	377.9	349.5	320.6	312.2	303.9
17.5°	386.2	352.8	319.4	285.5	252.1	242.6	233.7	224.3	214.8	212.0	209.3
20°	241.0	226.5	212.0	197.0	182.5	180.3	178.1	175.9	173.6	175.3	177.0
22.5°	187.5	181.4	174.7	168.6	161.9	159.7	157.5	155.3	153.0	154.7	155.8
25°	167.0	162.5	158.1	153.6	149.1	146.9	144.1	141.9	139.1	140.2	141.9
27.5°	155.3	151.4	147.5	143.6	139.7	135.8	132.5	128.6	124.7	126.9	128.6
30°	144.7	140.2	136.3	131.9	127.4	123.5	119.7	115.2	111.3	113.5	115.8
32.5°	130.2	126.3	121.9	118.0	113.5	111.3	109.1	106.3	104.1	105.7	106.9
35°	115.2	111.9	109.1	105.7	102.4	100.2	98.5	96.3	94.1	94.6	95.7
37.5°	108.0	104.1	100.2	96.3	92.4	91.3	90.2	88.5	87.4	87.4	87.4
40°	100.7	96.8	92.9	88.5	84.6	82.9	81.3	79.6	77.9	77.9	77.9
42.5°	92.4	88.5	84.6	80.7	76.8	75.1	72.9	71.2	69.0	69.0	69.0
45°	85.7	81.8	78.5	74.6	70.7	67.9	65.1	61.8	59.0	58.4	57.9
47.5°	83.5	77.9	72.3	66.8	61.2	58.4	55.7	52.3	49.5	49.0	48.4
50°	95.7	84.6	73.5	62.3	51.2	49.0	46.7	44.5	42.3	41.2	40.6
52.5°	90.7	79.0	67.3	55.7	44.0	42.3	40.6	39.0	37.3	36.2	35.1
55°	58.4	53.4	49.0	44.0	39.0	37.8	36.7	35.1	33.9	32.8	31.7
57.5°	46.7	44.0	41.7	39.0	36.2	35.1	33.9	32.3	31.2	29.5	28.4
60°	42.3	40.1	37.8	35.6	33.4	32.3	31.2	30.1	28.9	27.3	26.2
62.5°	38.4	36.7	35.1	33.4	31.7	30.6	29.5	28.4	27.3	25.6	23.9
65°	34.5	33.4	32.3	31.2	30.1	28.9	27.8	26.2	25.0	23.4	21.7
67.5°	31.7	31.2	30.6	30.1	29.5	28.4	26.7	25.6	23.9	22.3	20.0
70°	30.1	30.1	30.1	29.5	29.5	28.4	26.7	25.6	23.9	21.7	20.0
72.5°	28.4	28.9	29.5	29.5	30.1	28.4	26.7	25.0	23.4	21.1	19.5
75°	27.3	27.8	28.4	28.4	28.9	27.8	26.7	25.0	23.9	21.7	19.5
77.5°	27.8	28.4	28.4	28.9	28.9	27.8	26.7	25.0	23.9	21.1	18.4
80°	27.8	27.3	26.7	25.6	25.0	22.8	20.6	17.8	15.6	12.2	9.5
82.5°	21.7	20.6	20.0	18.9	17.8	15.6	13.4	11.1	8.9	6.7	4.5
85°	17.3	16.1	15.6	14.5	13.4	11.7	9.5	7.8	5.6	4.5	2.8
87.5°	8.9	8.3	7.2	6.7	5.6	4.5	2.8	1.7	0.0	0.0	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: P596707  
 CATALOG NUMBER: MSA-SA3C-827-U-SLR-HSS

**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: P596707  
 CATALOG NUMBER: MSA-SA3C-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5
2.5°	1154.2	1182.6	1178.7	1174.8	1193.2	1211.5	1198.2	1185.4	1172.0	1158.7	1130.9
5°	1167.0	1169.3	1165.4	1160.9	1161.5	1162.0	1153.1	1144.2	1135.3	1126.4	1124.7
7.5°	932.2	941.1	953.3	965.0	965.6	965.6	958.9	952.2	945.0	938.3	941.6
10°	660.0	657.8	661.1	664.5	663.9	662.8	680.6	698.4	715.7	733.5	720.7
12.5°	488.6	491.4	477.5	463.6	468.6	473.0	475.8	478.6	481.4	484.2	492.0
15°	295.5	287.2	277.1	267.1	272.1	276.6	281.6	286.1	291.1	295.5	300.5
17.5°	205.9	203.1	198.7	193.7	194.2	194.8	195.3	195.9	195.9	196.5	197.6
20°	178.6	180.3	177.0	173.1	172.0	170.3	169.2	168.1	166.4	165.3	163.6
22.5°	157.5	158.6	159.2	159.2	156.9	154.2	151.9	150.3	148.0	145.8	144.7
25°	143.0	144.1	143.0	141.4	140.2	139.1	138.0	136.3	135.2	133.6	133.0
27.5°	130.8	132.5	132.5	131.9	130.8	129.1	126.3	124.1	121.3	118.5	119.1
30°	118.0	120.2	120.2	119.7	119.1	118.5	115.8	113.0	110.2	107.4	108.5
32.5°	108.5	109.6	109.1	108.5	108.5	108.0	105.7	104.1	101.8	99.6	99.6
35°	96.3	96.8	96.8	96.8	96.8	96.3	94.6	92.9	91.3	89.6	90.2
37.5°	87.4	87.4	89.0	90.2	89.0	87.9	86.8	85.1	84.0	82.4	82.4
40°	77.4	77.4	79.0	80.1	79.0	77.9	77.4	76.2	75.7	74.6	74.6
42.5°	68.5	68.5	70.1	71.2	71.2	70.7	69.6	68.5	67.3	66.2	66.8
45°	57.3	56.8	59.5	61.8	60.7	59.5	59.5	59.0	59.0	58.4	59.0
47.5°	47.3	46.7	49.0	51.2	50.6	49.5	49.5	49.5	49.5	49.5	50.1
50°	39.5	38.4	40.6	42.3	41.7	40.6	40.6	41.2	41.2	41.2	41.7
52.5°	33.9	32.8	34.5	35.6	35.1	34.5	34.5	35.1	35.1	35.1	35.6
55°	30.1	28.9	30.6	31.7	31.2	30.1	30.6	30.6	31.2	31.2	31.2
57.5°	26.7	25.0	26.2	27.3	27.3	26.7	27.3	27.3	27.8	27.8	27.8
60°	24.5	22.8	23.9	24.5	24.5	23.9	24.5	24.5	25.0	25.0	25.0
62.5°	21.7	20.0	21.1	21.7	21.7	21.1	21.7	21.7	22.3	22.3	22.3
65°	19.5	17.8	18.4	18.9	18.9	18.9	19.5	19.5	20.0	20.0	20.0
67.5°	18.4	16.1	16.7	17.3	17.3	17.3	17.8	17.8	18.4	18.4	18.9
70°	17.8	15.6	16.1	16.1	16.7	16.7	16.7	17.3	17.3	17.3	17.3
72.5°	17.3	15.0	15.0	15.0	15.6	15.6	15.6	16.1	16.1	16.1	16.1
75°	17.3	15.0	14.5	13.9	14.5	14.5	14.5	15.0	15.0	15.0	15.0
77.5°	15.0	12.2	11.1	9.5	11.1	12.2	12.8	12.8	13.4	13.4	13.4
80°	6.1	2.8	1.7	0.0	0.6	1.1	1.7	2.2	2.8	3.3	3.9
82.5°	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P596707  
 CATALOG NUMBER: MSA-SA3C-827-U-SLR-HSS

**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: P596707  
 CATALOG NUMBER: MSA-SA3C-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5
2.5°	1103.0	1075.2	1047.4	1060.7	1074.1	1087.4	1100.8	1099.7	1098.0	1096.9	1095.2
5°	1123.6	1121.9	1120.3	1112.5	1105.3	1097.5	1089.7	1088.0	1085.8	1084.1	1081.9
7.5°	945.0	947.8	951.1	942.2	933.3	924.4	915.5	892.7	869.8	846.5	823.7
10°	707.9	694.5	681.7	680.6	679.5	678.4	677.3	675.1	672.8	670.1	667.8
12.5°	500.3	508.1	515.9	513.1	510.3	507.0	504.2	508.1	512.6	516.5	520.3
15°	305.0	310.0	314.4	324.5	334.5	344.5	354.5	358.4	362.9	366.7	370.6
17.5°	198.7	199.2	200.3	211.5	222.1	233.2	243.8	251.0	258.2	264.9	272.1
20°	161.9	160.3	158.6	164.7	170.9	177.0	183.1	189.8	196.5	203.1	209.8
22.5°	144.1	143.0	141.9	144.1	146.4	148.0	150.3	155.3	160.8	165.8	170.9
25°	132.5	131.3	130.8	131.9	133.0	134.1	135.2	138.0	140.8	143.6	146.4
27.5°	119.1	119.7	119.7	120.8	121.3	122.4	123.0	124.1	125.8	126.9	128.0
30°	109.1	110.2	110.7	111.9	112.4	113.5	114.1	113.5	113.0	112.4	111.9
32.5°	99.6	99.1	99.1	100.2	100.7	101.8	102.4	103.5	104.6	105.2	106.3
35°	90.2	90.7	90.7	90.7	91.3	91.3	91.3	92.4	94.1	95.2	96.3
37.5°	81.8	81.8	81.3	82.9	84.0	85.7	86.8	87.9	89.6	90.7	91.8
40°	74.6	74.6	74.6	75.7	76.8	77.4	78.5	81.3	84.0	86.8	89.6
42.5°	66.8	67.3	67.3	68.5	69.6	70.1	71.2	73.5	75.1	77.4	79.0
45°	59.5	60.1	60.7	61.8	62.3	63.4	64.0	65.1	65.7	66.8	67.3
47.5°	51.2	51.8	52.3	53.4	54.0	55.1	55.7	55.1	55.1	54.5	54.0
50°	42.9	43.4	44.0	45.6	46.7	48.4	49.5	48.4	47.3	45.6	44.5
52.5°	36.2	36.2	36.7	37.8	39.0	39.5	40.6	40.1	39.5	39.0	38.4
55°	31.2	31.2	31.2	31.7	32.3	32.8	33.4	33.9	33.9	34.5	34.5
57.5°	27.8	27.3	27.3	27.8	28.4	28.4	28.9	29.5	29.5	30.1	30.1
60°	25.0	24.5	24.5	25.0	25.6	26.2	26.7	26.7	26.7	26.2	26.2
62.5°	22.3	22.3	22.3	22.8	22.8	23.4	23.4	23.4	23.9	23.9	23.9
65°	20.6	20.6	20.6	20.6	20.6	20.0	20.0	20.6	20.6	21.1	21.1
67.5°	18.9	19.5	19.5	18.9	18.4	17.8	17.3	17.8	17.8	18.4	18.4
70°	17.3	17.3	17.3	16.7	16.1	15.6	15.0	15.0	15.0	14.5	14.5
72.5°	16.1	15.6	15.6	15.0	13.9	13.4	12.2	11.7	11.7	11.1	10.6
75°	15.0	14.5	14.5	13.4	12.2	11.1	10.0	9.5	8.3	7.8	6.7
77.5°	13.4	13.4	13.4	11.7	10.6	8.9	7.2	6.1	5.0	3.3	2.2
80°	4.5	5.0	5.6	5.0	5.0	4.5	3.9	2.8	2.2	1.1	0.0
82.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P596707  
 CATALOG NUMBER: MSA-SA3C-827-U-SLR-HSS

**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: P596707  
 CATALOG NUMBER: MSA-SA3C-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5
2.5°	1101.4	1107.5	1113.6	1119.7	1120.3	1120.8	1121.4	1121.9	1108.0	1093.6	1079.7
5°	1093.0	1104.7	1115.8	1127.0	1120.8	1114.7	1108.6	1102.5	1101.9	1101.9	1101.4
7.5°	825.3	826.4	828.1	829.2	831.4	833.7	835.3	837.6	846.5	855.4	863.7
10°	660.6	653.4	645.6	638.3	632.8	626.6	621.1	615.0	619.4	624.4	628.9
12.5°	514.2	508.1	501.4	495.3	493.1	490.9	488.1	485.8	500.3	514.8	528.7
15°	369.5	368.4	366.7	365.6	372.9	380.1	387.3	394.6	406.8	418.5	430.7
17.5°	274.9	277.7	280.5	283.3	287.7	292.2	296.1	300.5	309.4	318.9	327.8
20°	213.1	217.0	220.4	223.7	222.6	221.5	219.8	218.7	225.9	233.2	239.9
22.5°	174.2	177.0	180.3	183.1	183.7	184.2	184.8	185.3	189.8	193.7	198.1
25°	149.1	152.5	155.3	158.1	158.6	159.2	159.7	160.3	165.8	171.4	176.4
27.5°	131.9	135.2	139.1	142.5	143.6	144.7	145.8	146.9	150.3	153.0	156.4
30°	116.3	120.8	125.2	129.7	131.3	133.0	134.7	136.3	139.7	143.6	146.9
32.5°	108.5	111.3	113.5	115.8	119.7	123.0	126.9	130.2	134.1	138.6	142.5
35°	99.6	102.4	105.7	108.5	111.3	114.1	116.3	119.1	121.3	123.5	125.2
37.5°	94.1	96.8	99.1	101.3	102.4	103.5	104.1	105.2	106.3	107.4	108.0
40°	89.6	89.0	89.0	88.5	89.6	91.3	92.4	93.5	96.8	99.6	103.0
42.5°	77.9	76.2	75.1	73.5	76.2	78.5	81.3	83.5	87.9	92.4	96.8
45°	66.2	65.1	63.4	62.3	66.2	70.1	74.0	77.9	82.9	87.4	92.4
47.5°	54.5	55.1	55.1	55.7	59.5	63.4	66.8	70.7	75.7	80.7	85.7
50°	45.6	46.7	47.9	49.0	52.9	56.2	60.1	63.4	69.0	74.0	79.6
52.5°	40.1	41.7	42.9	44.5	47.9	51.8	55.1	58.4	63.4	68.5	73.5
55°	36.2	38.4	40.1	41.7	44.5	47.3	50.1	52.9	57.9	62.9	67.3
57.5°	31.7	33.4	35.1	36.7	39.5	42.3	44.5	47.3	51.8	56.8	61.2
60°	27.8	28.9	30.6	31.7	33.9	36.7	39.0	41.2	45.6	50.1	54.0
62.5°	24.5	25.6	26.2	26.7	28.9	31.2	33.4	35.6	39.5	44.0	47.9
65°	21.7	22.3	22.3	22.8	24.5	26.7	28.4	30.1	34.5	38.4	42.9
67.5°	18.4	18.9	18.9	18.9	20.6	22.3	23.9	25.6	29.5	33.9	37.8
70°	14.5	15.0	15.0	15.0	16.7	18.9	20.6	22.3	25.6	28.9	32.3
72.5°	11.1	11.1	11.7	11.7	13.4	15.6	17.3	18.9	21.7	24.5	27.3
75°	7.2	7.8	7.8	8.3	10.0	12.2	13.9	15.6	18.4	21.1	23.4
77.5°	2.8	3.9	4.5	5.0	6.7	8.3	10.0	11.7	13.9	16.7	18.9
80°	0.0	0.6	0.6	0.6	1.7	2.2	3.3	3.9	5.6	7.8	9.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P596707  
 CATALOG NUMBER: MSA-SA3C-827-U-SLR-HSS

**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: P596707  
 CATALOG NUMBER: MSA-SA3C-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5
2.5°	1065.2	1095.8	1126.4	1157.0	1187.6	1225.5	1263.3	1268.9	1274.4	1267.8	1261.6
5°	1100.8	1115.8	1130.3	1145.3	1159.8	1203.2	1246.1	1246.6	1246.6	1247.2	1247.2
7.5°	872.6	885.4	898.2	910.5	923.3	951.7	980.0	990.6	1000.6	998.4	996.2
10°	633.3	650.0	666.2	682.9	699.0	725.1	751.3	761.3	770.8	801.4	832.6
12.5°	543.2	559.3	575.4	591.0	607.2	633.9	660.6	680.1	699.0	717.9	736.8
15°	442.4	455.2	468.6	481.4	494.2	506.4	518.7	542.6	566.0	584.9	603.8
17.5°	336.7	342.3	347.3	352.8	357.8	363.4	369.0	379.0	388.5	405.1	421.3
20°	247.1	251.5	256.0	259.9	264.3	269.9	275.5	282.7	289.4	293.3	296.6
22.5°	202.0	208.7	215.4	221.5	228.2	232.1	236.0	238.2	240.4	242.1	243.8
25°	182.0	188.1	193.7	199.8	205.4	207.0	208.7	213.1	217.6	217.6	217.6
27.5°	159.2	167.5	176.4	184.8	193.1	195.3	197.0	198.7	199.8	197.6	194.8
30°	150.3	158.6	167.0	174.7	183.1	186.4	189.2	190.9	192.6	189.8	187.0
32.5°	146.4	154.2	161.4	169.2	176.4	180.9	184.8	189.2	193.1	193.7	194.8
35°	127.4	132.5	138.0	143.0	148.0	150.3	152.5	154.2	155.3	155.3	155.3
37.5°	109.1	115.8	123.0	129.7	136.3	141.4	146.4	146.9	146.9	148.0	149.7
40°	105.7	112.4	119.1	125.2	131.9	137.5	142.5	143.0	143.6	144.7	145.8
42.5°	101.3	108.5	115.8	123.0	130.2	135.8	140.8	140.8	140.2	141.9	143.0
45°	96.8	104.1	110.7	118.0	124.7	131.9	138.6	136.9	134.7	137.5	139.7
47.5°	90.7	98.5	106.3	113.5	121.3	128.0	134.1	133.0	131.3	134.1	136.9
50°	84.6	92.4	100.2	108.0	115.8	123.0	129.7	128.6	127.4	130.8	133.6
52.5°	78.5	86.3	94.6	102.4	110.2	116.3	121.9	121.3	120.8	124.1	128.0
55°	72.3	79.6	87.4	94.6	101.8	108.5	114.6	113.5	112.4	115.2	118.0
57.5°	65.7	72.9	79.6	86.8	93.5	99.1	104.1	102.4	100.7	104.1	107.4
60°	58.4	65.1	71.8	77.9	84.6	89.0	92.9	91.8	90.2	93.5	96.8
62.5°	51.8	57.9	64.0	69.6	75.7	79.0	82.4	81.3	80.1	83.5	87.4
65°	46.7	51.8	56.2	61.2	65.7	69.0	72.3	70.7	69.0	72.9	76.2
67.5°	41.7	45.6	50.1	54.0	57.9	60.7	63.4	62.3	60.7	63.4	66.2
70°	35.6	39.5	43.4	46.7	50.6	53.4	56.2	54.5	52.3	55.1	57.9
72.5°	30.1	33.4	36.7	39.5	42.9	45.1	47.3	45.6	44.0	46.2	48.4
75°	26.2	28.9	31.7	33.9	36.7	37.8	39.0	38.4	37.3	39.5	41.2
77.5°	21.1	23.4	26.2	28.4	30.6	30.6	30.6	31.2	31.2	33.4	36.2
80°	11.1	13.4	15.6	17.3	19.5	19.5	18.9	20.0	20.6	23.4	26.2
82.5°	0.0	1.7	3.3	5.0	6.7	6.1	5.0	5.6	5.6	6.7	7.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P596707  
 CATALOG NUMBER: MSA-SA3C-827-U-SLR-HSS

**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: P596707  
 CATALOG NUMBER: MSA-SA3C-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5
2.5°	1255.0	1248.3	1243.8	1239.9	1235.5	1231.0	1236.6	1242.2	1247.2	1252.7	1269.4
5°	1247.7	1247.7	1243.8	1239.9	1236.0	1232.1	1240.5	1248.3	1256.6	1264.4	1263.9
7.5°	993.4	991.2	1014.5	1037.4	1060.7	1083.5	1089.7	1095.8	1101.4	1107.5	1105.8
10°	863.2	893.8	903.8	913.8	923.8	933.8	946.1	958.3	970.6	982.8	987.3
12.5°	755.8	774.7	807.0	838.7	871.0	902.7	918.8	935.5	951.7	967.8	999.5
15°	622.7	641.7	669.5	697.3	725.1	753.0	778.6	804.7	830.3	855.9	894.3
17.5°	438.0	454.1	475.3	496.4	517.0	538.2	577.7	617.2	656.7	696.2	736.8
20°	300.5	303.9	313.9	324.5	334.5	344.5	380.1	416.3	451.9	487.5	540.9
22.5°	244.9	246.5	251.5	256.6	261.0	266.0	284.4	303.3	321.7	340.0	383.4
25°	217.0	217.0	220.4	223.7	227.1	230.4	240.4	250.4	259.9	269.9	297.7
27.5°	192.6	189.8	194.8	199.8	204.8	209.8	217.0	224.8	232.1	239.3	258.2
30°	184.2	181.4	187.5	193.7	199.8	205.9	213.1	220.4	227.1	234.3	247.1
32.5°	195.3	195.9	198.1	200.3	202.0	204.2	207.6	211.5	214.8	218.2	229.3
35°	155.3	155.3	159.2	163.1	166.4	170.3	176.4	182.5	188.7	194.8	206.5
37.5°	150.8	151.9	155.3	159.2	162.5	165.8	173.6	182.0	189.8	197.6	207.0
40°	146.4	147.5	151.9	156.4	160.8	165.3	173.1	180.3	188.1	195.3	204.2
42.5°	144.7	145.8	151.4	157.5	163.1	168.6	175.3	182.0	188.1	194.8	207.0
45°	142.5	144.7	151.4	158.6	165.3	172.0	178.1	184.2	190.3	196.5	211.5
47.5°	139.1	141.9	149.7	156.9	164.7	172.0	183.7	195.9	207.6	219.3	226.5
50°	136.9	139.7	148.0	156.4	164.7	173.1	192.0	210.9	229.3	248.2	244.3
52.5°	131.3	134.7	145.3	155.8	166.4	177.0	193.7	210.4	227.1	243.8	236.0
55°	120.8	123.5	135.8	148.0	159.7	172.0	184.2	196.5	208.1	220.4	211.5
57.5°	110.2	113.5	125.2	136.9	148.0	159.7	165.8	172.0	178.1	184.2	180.9
60°	100.2	103.5	119.1	134.7	150.3	165.8	160.3	154.7	148.6	143.0	146.9
62.5°	90.7	94.1	109.1	123.5	138.6	153.0	145.3	137.5	129.7	121.9	128.0
65°	80.1	83.5	89.0	95.2	100.7	106.3	105.7	104.6	104.1	103.0	109.6
67.5°	69.0	71.8	74.6	77.9	80.7	83.5	85.1	87.4	89.0	90.7	96.3
70°	60.1	62.9	66.2	69.0	72.3	75.1	76.2	77.4	77.9	79.0	84.0
72.5°	50.1	52.3	56.8	61.2	65.1	69.6	70.1	70.1	70.7	70.7	74.6
75°	43.4	45.1	48.4	51.8	54.5	57.9	59.5	61.2	62.3	64.0	66.2
77.5°	38.4	40.6	41.7	42.3	43.4	44.0	45.1	46.2	47.3	48.4	49.0
80°	28.4	31.2	32.3	32.8	33.9	34.5	34.5	33.9	33.9	33.4	33.9
82.5°	8.9	10.0	11.7	13.4	15.0	16.7	17.3	17.8	17.8	18.4	17.8
85°	1.7	2.2	3.3	4.5	5.0	6.1	5.6	4.5	3.9	2.8	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P596707  
 CATALOG NUMBER: MSA-SA3C-827-U-SLR-HSS

**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: P596707  
 CATALOG NUMBER: MSA-SA3C-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5
2.5°	1286.1	1302.3	1319.0	1312.3	1305.6	1298.9	1292.2	1293.4	1295.0	1296.1	1297.3
5°	1263.3	1262.2	1261.6	1280.6	1300.0	1319.0	1337.9	1358.5	1379.6	1400.2	1420.8
7.5°	1104.1	1101.9	1100.2	1124.7	1149.2	1173.7	1198.2	1226.6	1255.5	1283.9	1312.3
10°	991.7	996.2	1000.6	1010.6	1021.2	1031.2	1041.3	1068.5	1095.8	1122.5	1149.8
12.5°	1031.2	1062.4	1094.1	1100.2	1105.8	1111.9	1117.5	1121.4	1125.3	1129.2	1133.1
15°	933.3	971.7	1010.1	1026.2	1041.8	1057.9	1073.5	1114.7	1155.3	1196.5	1237.1
17.5°	777.5	817.5	858.2	906.6	955.0	1003.4	1051.8	1096.3	1140.9	1185.4	1229.9
20°	594.9	648.3	701.8	763.0	824.8	886.0	947.2	991.7	1035.7	1080.2	1124.2
22.5°	427.4	470.8	514.2	588.2	661.7	735.7	809.2	886.5	964.5	1041.8	1119.2
25°	325.6	352.8	380.7	453.6	526.5	598.8	671.7	778.0	884.3	990.6	1096.9
27.5°	276.6	295.5	313.9	379.5	445.2	510.3	576.0	702.3	828.7	955.0	1081.3
30°	260.5	273.3	286.1	341.7	397.9	453.6	509.2	637.2	765.2	893.2	1021.2
32.5°	240.4	251.0	262.1	311.1	360.1	408.5	457.5	582.7	707.9	832.6	957.8
35°	217.6	229.3	240.4	289.4	338.4	386.8	435.8	565.4	695.1	824.8	954.4
37.5°	215.9	225.4	234.3	291.1	348.4	405.1	461.9	591.6	721.3	850.4	980.0
40°	213.7	222.6	231.5	289.4	346.7	404.6	461.9	597.7	733.5	869.3	1005.1
42.5°	219.3	231.0	243.2	294.4	345.6	396.2	447.4	590.5	733.5	876.0	1019.0
45°	227.1	242.1	257.1	303.9	350.6	397.4	444.1	599.4	754.6	909.4	1064.6
47.5°	234.3	241.5	248.8	293.3	337.3	381.8	425.7	584.3	743.0	901.6	1060.2
50°	241.0	237.1	233.2	282.2	331.1	379.5	428.5	579.9	730.7	882.1	1032.9
52.5°	227.6	219.8	211.5	263.8	316.1	367.9	420.2	572.7	725.1	877.6	1030.1
55°	202.6	193.7	184.8	236.5	287.7	339.5	390.7	542.6	694.5	846.5	998.4
57.5°	177.0	173.6	169.7	209.3	248.8	287.7	327.2	495.9	665.0	833.7	1002.3
60°	150.8	154.2	158.1	186.4	214.8	242.6	271.0	436.3	601.0	766.3	931.1
62.5°	133.6	139.7	145.3	169.2	193.7	217.6	241.5	397.4	553.2	709.0	864.8
65°	116.9	123.5	130.2	158.6	187.5	215.9	244.3	376.2	508.1	640.0	771.9
67.5°	101.8	106.9	112.4	149.7	187.0	224.3	261.6	369.5	476.9	584.9	692.3
70°	89.0	93.5	98.5	141.9	185.3	228.7	272.1	364.0	456.3	548.2	640.0
72.5°	78.5	82.4	86.3	130.2	174.2	218.2	262.1	343.9	425.2	507.0	588.2
75°	68.5	70.1	72.3	109.6	146.4	183.7	220.4	274.9	330.0	384.6	439.1
77.5°	49.5	49.5	50.1	61.2	71.8	82.9	93.5	127.4	161.4	194.8	228.7
80°	33.9	34.5	34.5	39.0	42.9	47.3	51.2	58.4	65.1	72.3	79.0
82.5°	17.3	16.1	15.6	20.0	24.5	28.9	33.4	35.1	36.2	37.8	39.0
85°	1.7	0.6	0.0	2.8	5.6	8.3	11.1	13.4	15.6	17.8	20.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P596707  
 CATALOG NUMBER: MSA-SA3C-827-U-SLR-HSS

**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: P596707

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

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5
2.5°	1292.8	1288.3	1283.9	1279.4	1306.7	1334.5	1361.8	1389.1	1466.4	1517.1	1511.5
5°	1440.8	1460.9	1480.9	1500.9	1533.2	1566.1	1598.3	1630.6	1745.3	1815.4	1825.4
7.5°	1343.4	1374.1	1405.2	1435.8	1498.2	1559.9	1622.3	1684.0	1778.1	1851.0	1892.2
10°	1184.8	1219.9	1254.4	1289.5	1359.6	1430.3	1500.4	1570.5	1676.2	1777.0	1828.7
12.5°	1188.2	1243.3	1298.4	1353.5	1414.7	1475.9	1536.6	1597.8	1662.3	1696.3	1769.2
15°	1280.6	1324.0	1367.4	1410.8	1490.9	1571.1	1650.6	1730.8	1769.2	1851.0	1936.1
17.5°	1314.5	1399.7	1484.2	1568.8	1669.0	1768.6	1868.8	1968.4	2040.8	2154.3	2242.2
20°	1251.6	1379.1	1505.9	1633.4	1770.9	1908.3	2045.8	2183.2	2262.3	2370.2	2506.0
22.5°	1254.4	1389.6	1524.3	1659.5	1849.3	2038.5	2228.3	2417.5	2629.6	2837.7	2903.9
25°	1273.9	1450.9	1627.3	1804.2	2023.5	2242.8	2462.1	2681.3	2937.3	3156.0	3244.0
27.5°	1280.6	1479.8	1678.5	1877.7	2189.4	2501.0	2812.7	3124.3	3429.8	3676.9	3771.0
30°	1264.4	1508.2	1751.4	1994.6	2376.9	2759.2	3141.6	3523.9	3813.8	4101.6	4218.4
32.5°	1268.3	1578.9	1889.4	2199.9	2650.2	3100.9	3551.2	4001.4	4186.7	4446.1	4652.0
35°	1295.0	1635.6	1975.7	2316.2	2814.3	3312.4	3810.5	4308.6	4612.5	4886.3	5061.0
37.5°	1357.4	1734.7	2111.4	2488.8	3100.9	3713.7	4325.8	4938.0	5408.3	5878.5	5958.7
40°	1403.5	1802.0	2200.5	2599.0	3309.6	4020.3	4731.0	5441.7	5973.7	6484.0	6538.6
42.5°	1455.9	1892.2	2329.0	2765.4	3560.1	4354.8	5149.5	5944.2	6560.3	7080.6	7116.8
45°	1513.2	1962.3	2410.9	2859.4	3692.0	4524.0	5356.5	6188.5	6908.1	7512.5	7376.1
47.5°	1540.5	2020.7	2501.0	2981.3	3873.9	4766.1	5658.7	6550.8	7196.4	7729.5	7570.4
50°	1561.6	2089.7	2618.4	3146.6	4082.6	5018.7	5954.8	6890.9	7538.1	8030.1	7780.7
52.5°	1621.1	2211.6	2802.6	3393.1	4388.7	5383.8	6379.4	7374.5	8000.6	8452.5	8103.0
55°	1679.0	2359.1	3039.7	3719.8	4790.5	5861.8	6932.6	8003.3	8626.6	9014.0	8539.3
57.5°	1751.9	2502.1	3251.8	4001.4	5146.7	6292.0	7436.8	8582.1	9191.5	9619.5	9126.4
60°	1733.0	2534.4	3336.3	4137.7	5304.2	6470.7	7637.1	8803.6	9527.7	10053.6	9719.1
62.5°	1659.5	2454.3	3248.4	4043.1	5189.0	6334.3	7480.2	8625.5	9493.2	10205.5	10093.1
65°	1511.0	2249.5	2988.5	3727.0	4821.1	5915.8	7009.9	8104.1	9174.8	10081.4	10121.5
67.5°	1315.6	1938.9	2561.7	3185.0	4205.6	5226.3	6246.4	7267.1	8530.9	9588.3	9707.4
70°	1108.6	1576.6	2045.2	2513.3	3411.5	4309.7	5207.4	6105.6	7419.5	8483.6	8708.5
72.5°	888.8	1189.8	1490.4	1790.9	2439.2	3087.0	3735.4	4383.2	5539.1	6364.9	6757.3
75°	576.0	712.9	849.8	986.7	1418.6	1849.9	2281.7	2713.0	3480.5	4088.8	4532.3
77.5°	256.6	284.4	311.7	339.5	672.8	1006.2	1339.5	1672.9	2006.3	2373.6	2477.6
80°	91.8	104.1	116.9	129.1	292.7	456.9	620.5	784.1	945.5	1135.3	1181.5
82.5°	38.4	38.4	37.8	37.3	95.7	154.2	212.6	271.0	313.3	360.1	369.0
85°	15.6	11.7	7.2	2.8	12.2	22.3	31.7	41.2	66.2	60.1	111.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P596707  
 CATALOG NUMBER: MSA-SA3C-827-U-SLR-HSS

**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: P596707

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

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5
2.5°	1490.4	1489.3	1488.1	1487.0	1485.9	1465.9	1446.4	1426.4	1406.9	1431.4	1455.9
5°	1809.3	1838.2	1867.1	1896.6	1925.6	1933.9	1942.3	1950.6	1959.0	1976.8	1994.6
7.5°	1926.7	1975.7	2024.1	2073.0	2121.5	2166.5	2211.1	2256.1	2301.2	2290.1	2279.0
10°	1886.1	1974.5	2063.0	2152.1	2240.6	2260.0	2279.5	2299.5	2319.0	2369.7	2420.3
12.5°	1842.1	1948.4	2054.7	2161.0	2267.3	2326.3	2384.7	2443.7	2502.7	2553.9	2605.1
15°	2050.8	2118.7	2186.6	2255.0	2322.9	2374.7	2425.9	2477.6	2528.8	2564.5	2599.5
17.5°	2325.1	2358.5	2391.9	2425.9	2459.3	2499.9	2540.5	2581.1	2621.8	2642.9	2664.1
20°	2615.1	2629.6	2644.0	2658.5	2673.0	2640.7	2608.4	2576.1	2543.9	2563.9	2583.4
22.5°	2906.2	2911.2	2916.7	2921.7	2926.7	2851.6	2776.5	2701.4	2626.2	2594.5	2562.8
25°	3354.2	3317.4	3280.7	3244.0	3207.2	3118.2	3029.1	2940.1	2851.1	2772.6	2694.1
27.5°	3839.4	3714.8	3590.7	3466.0	3341.9	3252.9	3163.8	3074.8	2985.7	2867.8	2749.8
30°	4328.6	4127.7	3927.4	3726.5	3526.1	3420.4	3314.6	3208.3	3102.6	2984.6	2867.2
32.5°	4777.2	4535.7	4294.1	4052.0	3810.5	3632.4	3454.3	3276.2	3098.2	3015.8	2933.4
35°	5148.9	4863.4	4577.9	4291.9	4006.4	3830.0	3653.6	3477.1	3300.7	3178.3	3056.4
37.5°	5784.5	5463.4	5142.3	4821.1	4500.0	4259.1	4018.6	3777.7	3536.7	3454.9	3373.1
40°	6370.5	5965.9	5561.3	5156.7	4752.1	4550.1	4348.7	4146.6	3945.2	3811.1	3677.5
42.5°	6836.3	6410.0	5984.3	5558.0	5131.7	4931.9	4732.7	4532.9	4333.1	4243.5	4154.4
45°	6937.0	6535.2	6134.0	5732.2	5330.4	5214.1	5098.3	4982.0	4866.2	4804.5	4743.2
47.5°	7135.7	6700.0	6264.8	5829.0	5393.3	5340.9	5288.6	5235.8	5183.4	5212.9	5242.4
50°	7247.0	6802.4	6357.7	5913.0	5468.4	5483.4	5497.9	5512.9	5527.9	5737.2	5945.9
52.5°	7463.0	7013.8	6564.7	6115.6	5666.5	5761.1	5855.2	5949.8	6043.8	6332.1	6619.8
55°	7848.6	7407.3	6966.0	6524.1	6082.8	6207.4	6332.1	6457.3	6582.0	6888.1	7193.6
57.5°	8420.2	7982.2	7544.8	7106.8	6669.4	6793.5	6917.6	7041.7	7165.8	7442.4	7718.4
60°	9139.8	8690.1	8241.0	7791.3	7342.2	7388.9	7435.1	7481.9	7528.6	7825.8	8122.4
62.5°	9700.2	9286.7	8873.7	8460.2	8047.3	7995.5	7944.3	7892.6	7841.4	8067.3	8292.7
65°	9830.4	9539.3	9248.8	8957.8	8666.7	8507.5	8348.9	8189.8	8030.6	8121.9	8213.1
67.5°	9457.5	9261.1	9065.2	8868.7	8672.3	8340.0	8007.8	7675.0	7342.7	7294.3	7245.9
70°	8592.1	8484.7	8377.9	8270.5	8163.6	7651.6	7140.2	6628.2	6116.7	5993.7	5870.7
72.5°	6780.1	6846.9	6913.7	6981.0	7047.8	6499.6	5952.0	5403.8	4855.7	4699.8	4544.6
75°	4781.1	5007.6	5234.1	5460.6	5687.1	5187.3	4688.1	4188.4	3688.6	3538.9	3389.8
77.5°	2592.3	3016.9	3441.5	3866.2	4290.8	3878.4	3466.6	3054.2	2641.8	2537.7	2434.2
80°	1228.8	1473.7	1718.0	1962.9	2207.7	2114.8	2021.8	1928.3	1835.4	1858.2	1881.0
82.5°	376.8	553.7	730.7	907.7	1084.7	1098.6	1111.9	1125.8	1139.8	1174.3	1208.2
85°	126.3	173.1	219.8	266.6	313.3	395.7	478.1	561.0	643.3	589.9	537.0
87.5°	0.0	1.7	2.8	4.5	5.6	17.3	28.9	40.6	52.3	45.1	38.4
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: P596707  
 CATALOG NUMBER: MSA-SA3C-827-U-SLR-HSS

**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: P596707

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

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5
2.5°	1480.9	1505.4	1505.9	1507.1	1507.6	1508.2	1511.0	1513.7	1517.1	1519.9	1501.5
5°	2012.9	2030.7	1997.9	1965.1	1931.7	1898.9	1928.3	1957.8	1987.3	2016.8	2004.0
7.5°	2267.3	2256.1	2252.2	2248.9	2245.0	2241.7	2252.8	2263.9	2275.1	2286.2	2285.1
10°	2471.0	2521.6	2533.8	2546.1	2558.9	2571.1	2545.5	2519.9	2494.3	2468.7	2458.2
12.5°	2656.3	2707.5	2748.1	2788.7	2829.9	2870.5	2833.8	2797.6	2760.9	2724.7	2690.2
15°	2635.1	2670.2	2703.6	2737.0	2770.4	2803.8	2791.5	2779.8	2767.6	2755.3	2749.8
17.5°	2685.8	2706.9	2699.1	2691.3	2683.0	2675.2	2671.3	2668.0	2664.1	2660.2	2646.8
20°	2603.4	2623.4	2618.4	2614.0	2609.0	2604.0	2600.6	2597.3	2593.9	2590.6	2580.0
22.5°	2531.1	2499.3	2491.0	2483.2	2474.9	2467.1	2468.2	2469.3	2469.8	2471.0	2518.8
25°	2615.7	2537.2	2506.6	2476.0	2444.8	2414.2	2428.1	2441.5	2455.4	2469.3	2538.3
27.5°	2631.2	2513.3	2464.3	2415.3	2366.3	2317.4	2367.4	2417.5	2467.6	2517.7	2629.6
30°	2749.2	2631.8	2563.3	2495.4	2427.0	2359.1	2423.1	2487.1	2551.1	2615.1	2736.4
32.5°	2850.5	2768.1	2719.2	2670.2	2621.2	2572.2	2575.0	2577.3	2580.0	2582.8	2753.7
35°	2934.0	2812.1	2767.6	2723.6	2679.1	2635.1	2701.4	2767.6	2833.8	2900.0	3053.6
37.5°	3291.3	3209.5	3127.7	3046.4	2964.6	2883.3	2936.2	2989.1	3042.5	3095.4	3265.1
40°	3543.4	3409.8	3388.7	3368.1	3346.9	3326.3	3353.6	3380.3	3407.6	3434.9	3583.4
42.5°	4064.8	3975.2	3917.9	3861.1	3803.8	3747.1	3768.8	3790.5	3812.7	3834.4	3975.2
45°	4681.5	4619.7	4581.8	4544.0	4505.6	4467.8	4434.9	4402.6	4369.8	4337.5	4480.6
47.5°	5271.9	5301.4	5384.9	5467.8	5551.3	5634.2	5566.3	5498.4	5430.0	5362.1	5362.6
50°	6155.1	6363.8	6406.1	6447.9	6490.2	6531.9	6387.2	6242.5	6097.3	5952.6	5935.3
52.5°	6908.1	7195.8	7210.9	7225.9	7241.5	7256.5	7198.1	7139.6	7080.6	7022.2	6866.9
55°	7499.7	7805.2	7825.8	7845.8	7866.4	7886.5	7835.3	7784.6	7733.4	7682.2	7525.3
57.5°	7995.0	8271.0	8283.3	8295.0	8307.2	8319.4	8323.3	8327.2	8331.7	8335.6	8123.5
60°	8419.6	8716.8	8692.3	8668.4	8643.9	8620.0	8583.2	8546.5	8509.8	8473.0	8336.1
62.5°	8518.7	8744.6	8706.8	8669.5	8631.7	8594.4	8563.2	8532.6	8501.4	8470.3	8382.9
65°	8304.4	8395.7	8356.7	8317.8	8278.3	8239.3	8219.3	8199.8	8179.8	8159.7	8148.6
67.5°	7196.9	7148.5	7194.7	7240.9	7287.1	7333.3	7396.2	7459.1	7522.5	7585.4	7548.7
70°	5747.2	5624.2	5675.4	5726.1	5777.3	5827.9	5923.1	6018.2	6113.9	6209.1	6183.5
72.5°	4388.7	4232.9	4240.1	4247.4	4255.2	4262.4	4259.6	4257.4	4254.6	4251.8	4296.3
75°	3240.1	3090.4	3019.7	2949.0	2878.3	2807.7	2790.4	2773.1	2755.9	2738.6	2821.6
77.5°	2330.2	2226.6	2178.2	2130.4	2081.9	2034.1	2058.6	2083.1	2108.1	2132.6	2161.5
80°	1904.4	1927.2	1889.9	1853.2	1815.9	1778.6	1806.5	1833.7	1861.6	1889.4	1803.1
82.5°	1242.7	1276.7	1162.0	1047.4	932.7	818.1	887.7	957.2	1027.3	1096.9	1061.3
85°	483.6	430.7	367.3	304.4	241.0	177.5	231.0	284.4	337.8	391.2	426.9
87.5°	31.2	24.5	19.5	14.5	8.9	3.9	8.3	12.8	17.8	22.3	37.3
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: P596707  
 CATALOG NUMBER: MSA-SA3C-827-U-SLR-HSS

**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: P596707

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

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5	1176.5
2.5°	1483.7	1465.3	1447.5	1412.5	1377.4	1342.3	1307.3	1356.2	1405.2	1454.2	1503.2
5°	1991.8	1979.0	1966.7	1970.1	1973.4	1977.3	1980.7	1987.9	1995.1	2001.8	2009.0
7.5°	2284.5	2283.4	2282.3	2256.7	2231.1	2204.9	2179.3	2192.1	2204.9	2217.7	2230.5
10°	2448.1	2437.6	2427.0	2370.8	2314.6	2257.8	2201.6	2177.1	2152.1	2127.6	2103.1
12.5°	2655.7	2620.7	2586.2	2526.1	2466.5	2406.4	2346.3	2324.0	2301.2	2279.0	2256.1
15°	2744.8	2739.2	2734.2	2691.3	2647.9	2605.1	2561.7	2485.4	2408.6	2332.4	2256.1
17.5°	2633.5	2619.5	2606.2	2674.1	2741.4	2809.3	2877.2	2798.2	2719.2	2640.1	2561.1
20°	2569.5	2558.9	2548.3	2674.6	2800.4	2926.7	3052.5	3017.5	2981.8	2946.8	2911.7
22.5°	2566.7	2615.1	2663.0	2773.7	2883.9	2994.6	3104.8	3165.5	3226.7	3287.4	3348.0
25°	2607.3	2676.9	2745.9	2929.5	3113.2	3297.4	3481.0	3550.6	3619.6	3689.2	3758.2
27.5°	2740.9	2852.7	2964.0	3124.3	3284.6	3445.4	3605.7	3757.6	3910.1	4062.1	4214.0
30°	2857.2	2978.5	3099.8	3290.7	3481.0	3671.9	3862.3	4052.6	4242.9	4433.3	4623.6
32.5°	2924.5	3095.9	3266.8	3498.9	3730.4	3962.4	4194.5	4403.2	4611.9	4820.0	5028.7
35°	3207.2	3361.4	3515.0	3771.5	4028.1	4285.2	4541.8	4800.0	5058.2	5315.9	5574.1
37.5°	3434.9	3605.1	3774.9	4055.4	4335.3	4615.8	4896.3	5253.0	5610.3	5967.0	6323.8
40°	3732.0	3880.6	4029.2	4291.9	4554.0	4816.7	5079.4	5531.8	5984.3	6436.2	6888.6
42.5°	4115.5	4256.3	4397.1	4678.1	4959.2	5240.2	5521.3	6022.1	6523.0	7023.3	7524.2
45°	4623.6	4767.2	4910.2	5133.9	5357.6	5581.4	5805.1	6337.7	6869.7	7402.3	7934.3
47.5°	5363.2	5363.8	5364.3	5525.7	5687.1	5849.0	6010.4	6546.9	7082.9	7619.3	8155.3
50°	5918.1	5900.2	5883.0	5966.5	6049.4	6132.9	6216.3	6710.0	7204.2	7697.8	8191.4
52.5°	6712.2	6556.9	6402.2	6451.8	6500.7	6550.3	6599.2	7017.2	7435.7	7853.6	8271.6
55°	7368.9	7212.0	7055.0	7036.7	7018.3	6999.9	6981.6	7366.1	7750.7	8135.2	8519.8
57.5°	7912.1	7700.0	7488.6	7446.3	7404.5	7362.2	7319.9	7725.6	8130.8	8536.5	8941.6
60°	8199.8	8062.9	7926.0	7898.7	7870.9	7843.6	7815.8	8148.6	8481.4	8814.2	9147.0
62.5°	8296.1	8208.7	8121.9	8173.1	8224.3	8276.0	8327.2	8473.6	8619.4	8765.8	8911.6
65°	8138.0	8126.9	8115.8	8220.9	8325.6	8430.7	8535.9	8499.8	8463.0	8426.9	8390.7
67.5°	7512.5	7475.8	7439.6	7670.5	7900.9	8131.9	8362.9	8187.5	8011.7	7836.4	7661.1
70°	6157.9	6131.8	6106.2	6439.0	6771.8	7105.1	7437.9	7225.3	7012.7	6800.1	6587.5
72.5°	4340.3	4384.8	4429.4	4821.7	5213.5	5605.8	5997.6	5783.4	5569.1	5354.9	5140.6
75°	2903.9	2986.9	3069.8	3473.8	3877.8	4282.4	4686.5	4434.9	4183.4	3931.8	3680.3
77.5°	2190.5	2219.4	2248.3	2503.8	2759.2	3015.2	3270.7	3063.1	2855.0	2647.4	2439.2
80°	1716.9	1630.1	1543.8	1627.8	1711.9	1795.9	1879.9	1755.8	1631.7	1508.2	1384.1
82.5°	1025.7	990.1	954.4	1000.1	1045.1	1090.8	1136.4	1083.0	1029.0	975.6	921.6
85°	461.9	497.5	532.6	578.8	624.4	670.6	716.8	642.2	567.7	493.1	418.5
87.5°	51.8	66.8	81.8	101.3	120.8	140.2	159.7	124.7	89.0	54.0	18.9
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: P596707  
 CATALOG NUMBER: MSA-SA3C-827-U-SLR-HSS

**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: P596707  
 CATALOG NUMBER: MSA-SA3C-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	1176.5	1176.5
2.5°	1531.5	1559.9
5°	2008.5	2007.4
7.5°	2197.1	2163.2
10°	2071.9	2040.8
12.5°	2176.6	2097.0
15°	2196.0	2135.9
17.5°	2463.2	2364.7
20°	2785.4	2658.5
22.5°	3174.4	3000.2
25°	3551.2	3344.1
27.5°	4089.9	3965.2
30°	4497.8	4371.5
32.5°	4943.0	4857.3
35°	5489.0	5403.3
37.5°	6346.0	6367.7
40°	6902.0	6915.3
42.5°	7575.9	7627.7
45°	7992.2	8050.1
47.5°	8236.0	8316.7
50°	8321.7	8451.9
52.5°	8432.4	8592.7
55°	8698.4	8877.1
57.5°	9084.1	9226.6
60°	9153.7	9160.4
62.5°	8808.6	8705.7
65°	8281.0	8171.4
67.5°	7594.9	7528.1
70°	6499.6	6411.7
72.5°	4977.0	4813.4
75°	3477.7	3275.1
77.5°	2332.9	2226.6
80°	1387.4	1390.2
82.5°	947.2	972.2
85°	413.5	407.9
87.5°	13.4	7.2
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0



REPORT NUMBER: P596707  
CATALOG NUMBER: MSA-SA3C-827-U-SLR-HSS

**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)