

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: P597125

Luminaire Tested: **MSA-SA4B-835-U-SLR-HSS**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P597125  
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-SA4B-835-U-SLR-HSS  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (4) 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: 11684 lumens  
Efficiency: N/A  
Efficacy: 68.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G2

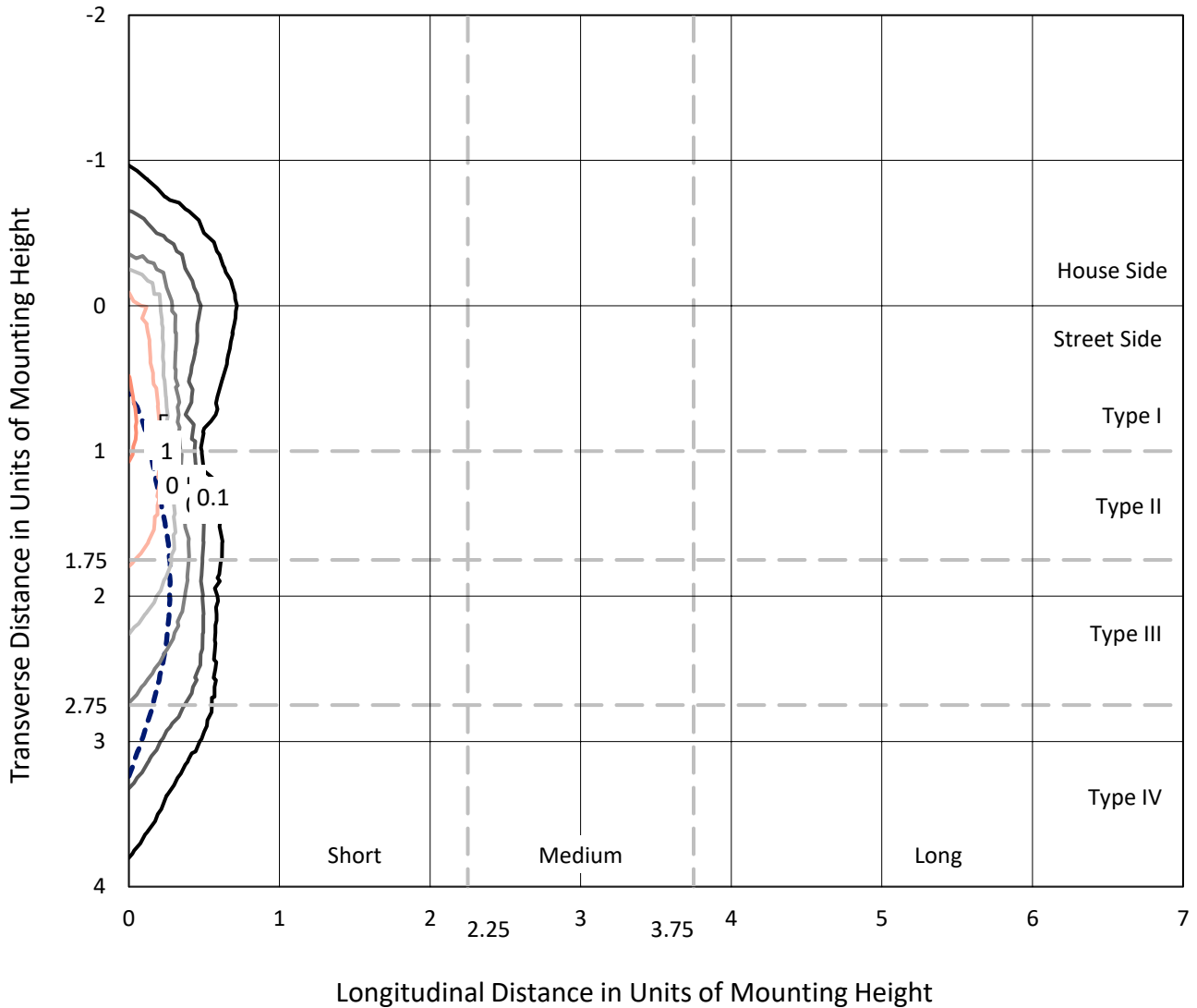
Input Watts (W): 171  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

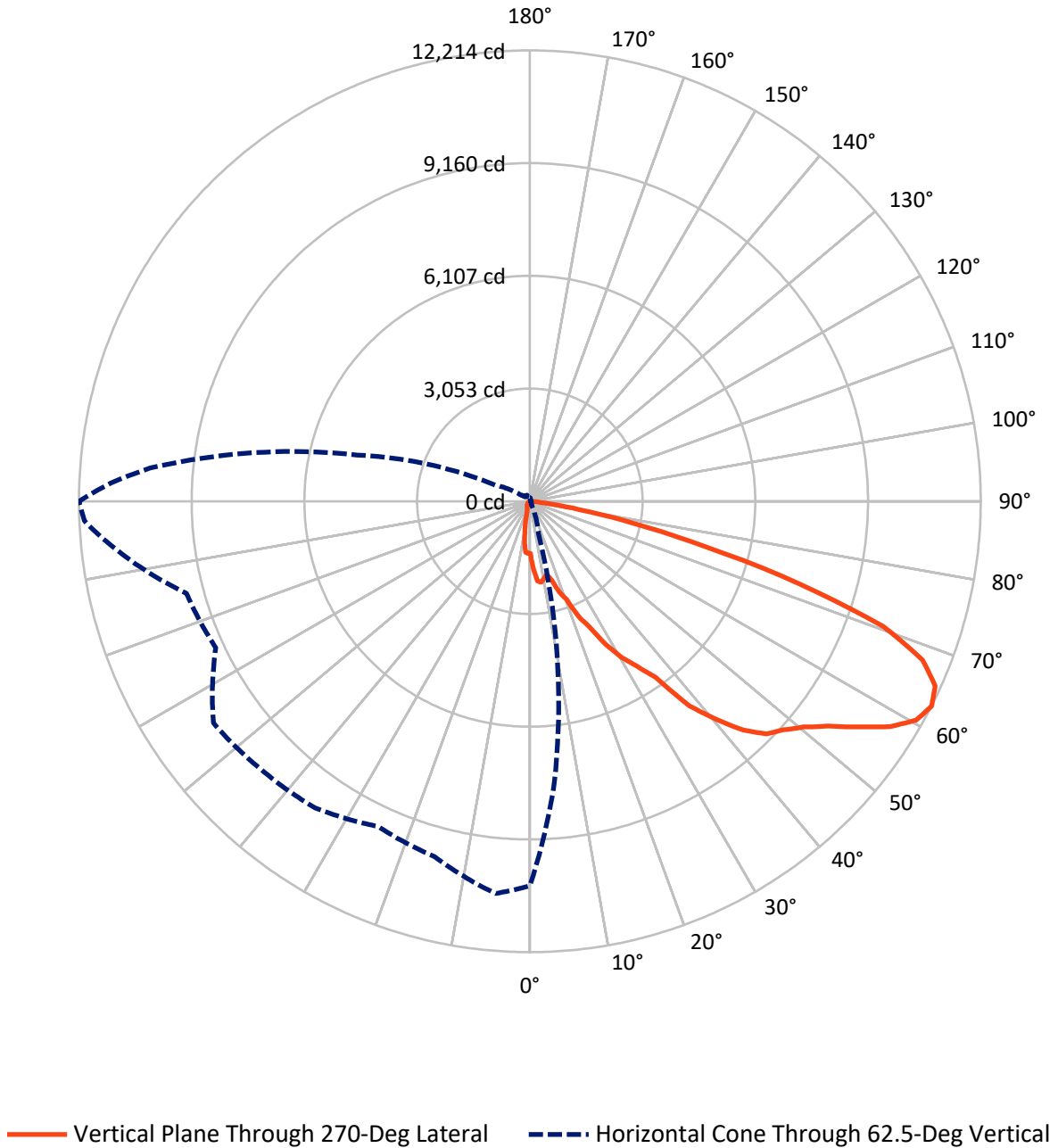
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	1951.1	0.0	1951.1
	% Fixture	16.7	0.0	16.7
<b>Street Side</b>	Lumens	9732.9	0.0	9732.9
	% Fixture	83.3	0.0	83.3
<b>Total</b>	Lumens	11684.0	0.0	11684.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.3	1.3
10°-20°	410.9	3.5
20°-30°	664.2	5.7
30°-40°	1112.4	9.5
40°-50°	1818.5	15.6
50°-60°	2692.1	23.0
60°-70°	3090.5	26.5
70°-80°	1528.1	13.1
80°-90°	209.9	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°	11684.0	100.0
0°-180°	11684.0	100.0

**Coefficient of Utilization**

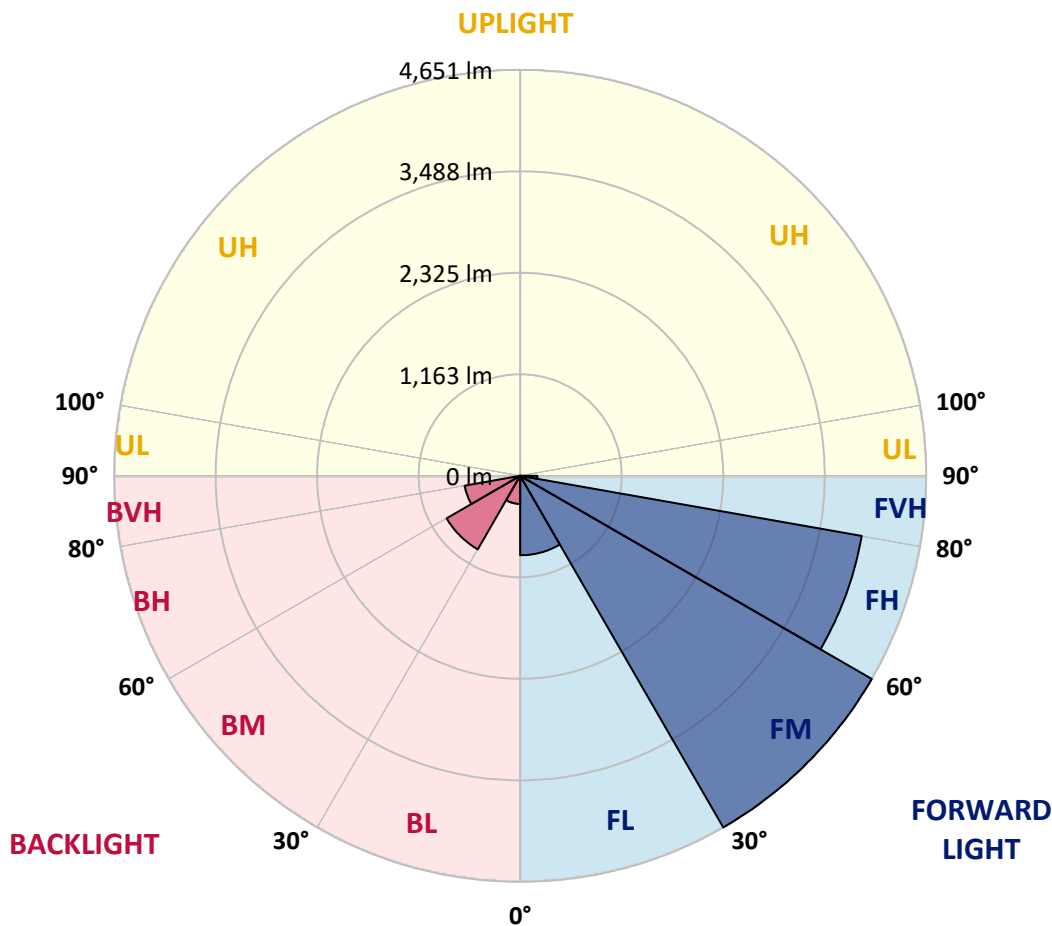


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	910.3	7.8			
FM (30°-60°)	4650.8	39.8			
FH (60°-80°)	3973.1	34.0			G2/5000
FVH (80°-90°)	198.7	1.7			G2/225
BL (0°-30°)	322.2	2.8	B1/500		
BM (30°-60°)	972.2	8.3	B1/1000		
BH (60°-80°)	645.5	5.5	B2/1000		G2/1000
BVH (80°-90°)	11.2	0.1			G1/100
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°	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0
2.5°	1866.9	1890.2	1912.8	1869.5	1826.2	1782.9	1739.7	1701.0	1662.4	1623.1	1584.5
5°	2402.4	2359.7	2317.1	2258.5	2199.9	2141.3	2082.7	2055.4	2028.0	2000.7	1973.4
7.5°	2588.8	2512.9	2436.3	2384.4	2333.1	2281.1	2229.2	2147.3	2064.7	1982.8	1900.2
10°	2442.3	2361.7	2280.5	2235.2	2189.9	2144.6	2099.3	1997.4	1894.8	1792.9	1690.4
12.5°	2509.6	2422.3	2335.1	2241.8	2148.6	2055.4	1962.1	1884.2	1805.6	1727.7	1649.1
15°	2556.2	2456.3	2355.7	2249.2	2142.6	2036.0	1929.5	1837.6	1746.3	1654.4	1562.5
17.5°	2829.9	2686.7	2543.5	2379.7	2215.9	2052.0	1888.2	1781.6	1675.7	1569.2	1462.6
20°	3181.6	2978.5	2774.7	2552.9	2331.1	2109.3	1887.5	1755.0	1622.4	1489.9	1357.4
22.5°	3590.5	3336.8	3082.4	2808.6	2535.6	2261.8	1988.1	1797.6	1607.1	1416.6	1226.2
25°	4002.1	3773.0	3543.9	3175.6	2807.3	2438.3	2070.0	1828.2	1585.8	1344.0	1101.6
27.5°	4745.4	4335.8	3926.2	3457.3	2989.1	2520.2	2051.4	1774.3	1497.2	1219.5	942.4
30°	5231.6	4916.6	4600.9	3981.5	3362.8	2743.4	2124.0	1773.0	1422.0	1070.3	719.3
32.5°	5813.1	5352.2	4890.6	4218.6	3546.6	2874.6	2202.5	1790.3	1377.3	965.1	552.1
35°	6466.4	5964.9	5463.4	4612.2	3761.0	2909.2	2058.0	1658.4	1258.8	859.2	459.6
37.5°	7620.7	6781.5	5942.3	4949.9	3956.9	2964.5	1971.4	1572.5	1172.9	773.9	374.3
40°	8276.0	7474.8	6673.6	5433.4	4193.3	2953.2	1713.0	1358.7	1005.0	650.7	296.4
42.5°	9128.5	8112.2	7095.2	5709.2	4323.2	2937.2	1551.2	1223.5	895.8	567.5	239.8
45°	9634.1	8482.5	7330.9	5829.1	4327.2	2825.3	1323.4	1039.7	755.9	472.2	188.5
47.5°	9953.1	8798.2	7643.3	6030.9	4419.1	2806.6	1194.2	933.1	672.0	410.9	149.9
50°	10114.9	8956.7	7797.8	6140.8	4483.7	2825.9	1168.9	909.1	648.7	389.0	128.5
52.5°	10283.4	9166.5	8048.9	6331.2	4613.6	2895.9	1178.2	913.1	648.7	383.6	118.6
55°	10623.8	9522.2	8419.9	6604.3	4788.7	2973.1	1157.6	896.5	635.4	373.6	112.6
57.5°	11042.0	9864.5	8686.3	6804.1	4921.9	3039.7	1157.6	895.1	632.7	369.6	107.2
60°	10962.8	9684.7	8405.9	6579.7	4753.4	2926.5	1100.3	850.5	601.4	351.7	101.9
62.5°	10418.6	9031.3	7643.3	5955.6	4267.2	2579.5	891.1	692.0	492.9	293.1	93.9
65°	9779.2	8306.7	6833.4	5280.2	3726.4	2173.2	619.4	486.2	352.3	219.1	85.3
67.5°	9009.3	7438.8	5868.3	4487.0	3106.3	1725.0	343.7	277.1	210.5	143.2	76.6
70°	7673.3	6052.2	4430.4	3368.8	2307.8	1246.1	184.5	155.8	127.2	98.6	69.9
72.5°	5760.4	4275.2	2790.0	2119.3	1449.3	778.6	107.9	97.2	85.9	75.3	63.9
75°	3919.6	2806.6	1693.7	1289.4	885.8	481.5	77.3	71.9	65.9	60.6	54.6
77.5°	2664.8	1927.5	1190.2	908.5	626.7	345.0	63.3	59.9	56.6	52.6	49.3
80°	1663.7	1138.9	614.1	472.9	331.0	189.8	48.0	46.0	44.0	41.3	39.3
82.5°	1163.5	696.0	228.4	178.5	128.5	77.9	28.0	28.6	29.3	29.3	30.0
85°	488.2	263.7	39.3	33.3	27.3	21.3	15.3	16.7	18.6	20.0	21.3
87.5°	8.7	4.7	0.0	1.3	3.3	4.7	6.0	8.0	9.3	11.3	12.7
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



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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°	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0
2.5°	1594.5	1604.5	1613.8	1623.8	1615.8	1608.5	1600.5	1592.5	1580.5	1569.2	1557.2
5°	1940.1	1906.8	1873.5	1840.2	1789.6	1739.0	1687.7	1637.1	1631.1	1625.1	1618.4
7.5°	1822.2	1744.3	1665.7	1587.8	1514.5	1441.3	1368.0	1294.8	1272.1	1250.1	1227.5
10°	1630.4	1570.5	1509.9	1449.9	1397.3	1344.0	1291.4	1238.1	1182.9	1127.6	1071.6
12.5°	1586.5	1523.9	1460.6	1398.0	1350.0	1302.1	1254.1	1206.2	1144.2	1082.3	1020.4
15°	1494.6	1426.6	1358.7	1290.8	1226.8	1162.9	1098.3	1034.3	959.7	885.1	810.6
17.5°	1382.0	1302.1	1221.5	1140.9	1057.0	973.1	889.1	805.2	719.3	634.1	548.1
20°	1248.1	1138.9	1029.0	919.8	815.9	712.0	607.4	503.5	449.6	396.3	342.3
22.5°	1085.0	943.1	801.9	660.0	574.8	488.9	403.6	317.7	294.4	271.1	247.8
25°	941.1	780.6	620.1	459.6	405.6	351.7	297.7	243.8	233.1	221.8	211.1
27.5°	791.2	640.7	489.5	338.3	307.7	276.4	245.8	214.5	207.1	200.5	193.1
30°	606.7	494.2	381.0	268.4	248.4	228.4	207.8	187.8	184.5	180.5	177.2
32.5°	470.2	387.6	305.7	223.1	211.8	200.5	189.2	177.8	172.5	167.2	161.2
35°	393.0	327.0	260.4	193.8	185.8	177.2	169.2	160.5	155.2	149.2	143.9
37.5°	325.7	277.7	229.1	180.5	171.8	163.2	153.9	145.2	141.2	137.2	133.2
40°	268.4	240.4	212.5	184.5	171.8	159.2	146.5	133.9	130.5	127.2	123.9
42.5°	221.8	203.8	185.2	167.2	157.8	149.2	139.9	130.5	125.9	120.6	115.9
45°	179.2	169.2	159.8	149.9	150.5	151.2	151.2	151.9	139.9	127.2	115.2
47.5°	145.2	140.5	135.2	130.5	135.9	141.2	145.9	151.2	138.5	125.9	112.6
50°	124.5	121.2	117.2	113.2	118.6	124.5	129.9	135.2	129.9	125.2	119.9
52.5°	113.9	109.2	104.6	99.9	101.9	104.6	106.6	108.6	108.6	108.6	108.6
55°	107.2	102.6	97.2	91.9	89.9	87.2	85.3	82.6	79.3	76.6	73.3
57.5°	101.9	96.6	90.6	85.3	81.9	77.9	74.6	70.6	67.3	63.3	59.9
60°	96.6	91.2	85.3	79.9	76.6	73.3	69.3	65.9	61.9	58.6	54.6
62.5°	89.2	84.6	79.9	75.3	71.9	69.3	65.9	62.6	58.6	54.6	50.0
65°	81.3	77.9	73.9	69.9	66.6	63.3	59.9	56.6	52.6	49.3	45.3
67.5°	73.9	70.6	67.9	64.6	60.6	57.3	53.3	49.3	46.6	44.0	40.6
70°	67.9	65.3	63.3	60.6	56.6	53.3	49.3	45.3	43.3	40.6	38.6
72.5°	61.9	59.9	57.3	55.3	51.9	48.6	45.3	42.0	40.0	38.0	36.0
75°	53.3	51.9	50.6	49.3	46.0	42.6	38.6	35.3	34.6	34.0	33.3
77.5°	48.0	47.3	46.0	44.6	41.3	38.0	34.6	31.3	32.0	32.6	32.6
80°	39.3	39.3	38.6	38.6	36.0	33.3	30.0	27.3	28.6	30.6	32.0
82.5°	30.0	30.0	30.0	30.0	27.3	24.6	22.0	19.3	21.3	22.6	24.6
85°	20.6	20.0	19.3	18.6	16.7	15.3	13.3	11.3	14.0	16.0	18.6
87.5°	12.7	13.3	13.3	13.3	12.0	10.0	8.7	6.7	8.0	8.7	10.0
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: P597125  
 CATALOG NUMBER: MSA-SA4B-835-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: P597125  
 CATALOG NUMBER: MSA-SA4B-835-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0
2.5°	1545.2	1525.2	1505.2	1484.6	1464.6	1418.0	1371.3	1324.7	1278.1	1312.7	1346.7
5°	1612.4	1573.8	1534.5	1495.9	1456.6	1439.3	1422.6	1405.3	1388.0	1390.7	1394.0
7.5°	1204.8	1179.5	1154.2	1128.2	1102.9	1097.6	1092.9	1087.6	1082.3	1093.6	1104.3
10°	1016.4	981.1	945.1	909.8	873.8	854.5	835.2	815.9	796.6	794.6	791.9
12.5°	958.4	904.5	851.2	797.2	743.3	701.3	659.4	617.4	575.4	578.8	582.1
15°	736.0	682.0	628.7	574.8	520.8	486.9	452.2	418.3	383.6	373.6	363.6
17.5°	462.2	422.3	382.3	341.7	301.7	290.4	279.7	268.4	257.1	253.8	250.4
20°	288.4	271.1	253.8	235.8	218.5	215.8	213.1	210.5	207.8	209.8	211.8
22.5°	224.5	217.1	209.1	201.8	193.8	191.1	188.5	185.8	183.2	185.2	186.5
25°	199.8	194.5	189.2	183.8	178.5	175.8	172.5	169.8	166.5	167.8	169.8
27.5°	185.8	181.2	176.5	171.8	167.2	162.5	158.5	153.9	149.2	151.9	153.9
30°	173.2	167.8	163.2	157.8	152.5	147.9	143.2	137.9	133.2	135.9	138.5
32.5°	155.8	151.2	145.9	141.2	135.9	133.2	130.5	127.2	124.5	126.5	127.9
35°	137.9	133.9	130.5	126.5	122.5	119.9	117.9	115.2	112.6	113.2	114.6
37.5°	129.2	124.5	119.9	115.2	110.6	109.2	107.9	105.9	104.6	104.6	104.6
40°	120.6	115.9	111.2	105.9	101.2	99.2	97.2	95.2	93.2	93.2	93.2
42.5°	110.6	105.9	101.2	96.6	91.9	89.9	87.2	85.3	82.6	82.6	82.6
45°	102.6	97.9	93.9	89.2	84.6	81.3	77.9	73.9	70.6	69.9	69.3
47.5°	99.9	93.2	86.6	79.9	73.3	69.9	66.6	62.6	59.3	58.6	57.9
50°	114.6	101.2	87.9	74.6	61.3	58.6	55.9	53.3	50.6	49.3	48.6
52.5°	108.6	94.6	80.6	66.6	52.6	50.6	48.6	46.6	44.6	43.3	42.0
55°	69.9	63.9	58.6	52.6	46.6	45.3	44.0	42.0	40.6	39.3	38.0
57.5°	55.9	52.6	50.0	46.6	43.3	42.0	40.6	38.6	37.3	35.3	34.0
60°	50.6	48.0	45.3	42.6	40.0	38.6	37.3	36.0	34.6	32.6	31.3
62.5°	46.0	44.0	42.0	40.0	38.0	36.6	35.3	34.0	32.6	30.6	28.6
65°	41.3	40.0	38.6	37.3	36.0	34.6	33.3	31.3	30.0	28.0	26.0
67.5°	38.0	37.3	36.6	36.0	35.3	34.0	32.0	30.6	28.6	26.6	24.0
70°	36.0	36.0	36.0	35.3	35.3	34.0	32.0	30.6	28.6	26.0	24.0
72.5°	34.0	34.6	35.3	35.3	36.0	34.0	32.0	30.0	28.0	25.3	23.3
75°	32.6	33.3	34.0	34.0	34.6	33.3	32.0	30.0	28.6	26.0	23.3
77.5°	33.3	34.0	34.0	34.6	34.6	33.3	32.0	30.0	28.6	25.3	22.0
80°	33.3	32.6	32.0	30.6	30.0	27.3	24.6	21.3	18.6	14.7	11.3
82.5°	26.0	24.6	24.0	22.6	21.3	18.6	16.0	13.3	10.7	8.0	5.3
85°	20.6	19.3	18.6	17.3	16.0	14.0	11.3	9.3	6.7	5.3	3.3
87.5°	10.7	10.0	8.7	8.0	6.7	5.3	3.3	2.0	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: P597125  
 CATALOG NUMBER: MSA-SA4B-835-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: P597125  
 CATALOG NUMBER: MSA-SA4B-835-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0
2.5°	1381.3	1415.3	1410.6	1406.0	1428.0	1449.9	1434.0	1418.6	1402.6	1386.7	1353.4
5°	1396.7	1399.3	1394.7	1389.3	1390.0	1390.7	1380.0	1369.3	1358.7	1348.0	1346.0
7.5°	1115.6	1126.2	1140.9	1154.9	1155.6	1155.6	1147.6	1139.6	1130.9	1122.9	1126.9
10°	789.9	787.2	791.2	795.2	794.6	793.2	814.5	835.9	856.5	877.8	862.5
12.5°	584.8	588.1	571.4	554.8	560.8	566.1	569.5	572.8	576.1	579.4	588.8
15°	353.7	343.7	331.7	319.7	325.7	331.0	337.0	342.3	348.3	353.7	359.7
17.5°	246.4	243.1	237.8	231.8	232.4	233.1	233.8	234.4	234.4	235.1	236.4
20°	213.8	215.8	211.8	207.1	205.8	203.8	202.5	201.1	199.1	197.8	195.8
22.5°	188.5	189.8	190.5	190.5	187.8	184.5	181.8	179.8	177.2	174.5	173.2
25°	171.2	172.5	171.2	169.2	167.8	166.5	165.2	163.2	161.8	159.8	159.2
27.5°	156.5	158.5	158.5	157.8	156.5	154.5	151.2	148.5	145.2	141.9	142.5
30°	141.2	143.9	143.9	143.2	142.5	141.9	138.5	135.2	131.9	128.5	129.9
32.5°	129.9	131.2	130.5	129.9	129.9	129.2	126.5	124.5	121.9	119.2	119.2
35°	115.2	115.9	115.9	115.9	115.9	115.2	113.2	111.2	109.2	107.2	107.9
37.5°	104.6	104.6	106.6	107.9	106.6	105.2	103.9	101.9	100.6	98.6	98.6
40°	92.6	92.6	94.6	95.9	94.6	93.2	92.6	91.2	90.6	89.2	89.2
42.5°	81.9	81.9	83.9	85.3	85.3	84.6	83.3	81.9	80.6	79.3	79.9
45°	68.6	67.9	71.3	73.9	72.6	71.3	71.3	70.6	70.6	69.9	70.6
47.5°	56.6	55.9	58.6	61.3	60.6	59.3	59.3	59.3	59.3	59.3	59.9
50°	47.3	46.0	48.6	50.6	50.0	48.6	48.6	49.3	49.3	49.3	50.0
52.5°	40.6	39.3	41.3	42.6	42.0	41.3	41.3	42.0	42.0	42.0	42.6
55°	36.0	34.6	36.6	38.0	37.3	36.0	36.6	36.6	37.3	37.3	37.3
57.5°	32.0	30.0	31.3	32.6	32.6	32.0	32.6	32.6	33.3	33.3	33.3
60°	29.3	27.3	28.6	29.3	29.3	28.6	29.3	29.3	30.0	30.0	30.0
62.5°	26.0	24.0	25.3	26.0	26.0	25.3	26.0	26.0	26.6	26.6	26.6
65°	23.3	21.3	22.0	22.6	22.6	22.6	23.3	23.3	24.0	24.0	24.0
67.5°	22.0	19.3	20.0	20.6	20.6	20.6	21.3	21.3	22.0	22.0	22.6
70°	21.3	18.6	19.3	19.3	20.0	20.0	20.0	20.6	20.6	20.6	20.6
72.5°	20.6	18.0	18.0	18.0	18.6	18.6	18.6	19.3	19.3	19.3	19.3
75°	20.6	18.0	17.3	16.7	17.3	17.3	17.3	18.0	18.0	18.0	18.0
77.5°	18.0	14.7	13.3	11.3	13.3	14.7	15.3	15.3	16.0	16.0	16.0
80°	7.3	3.3	2.0	0.0	0.7	1.3	2.0	2.7	3.3	4.0	4.7
82.5°	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.0	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: P597125  
 CATALOG NUMBER: MSA-SA4B-835-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: P597125  
 CATALOG NUMBER: MSA-SA4B-835-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0
2.5°	1320.1	1286.8	1253.5	1269.4	1285.4	1301.4	1317.4	1316.1	1314.1	1312.7	1310.7
5°	1344.7	1342.7	1340.7	1331.4	1322.7	1313.4	1304.1	1302.1	1299.4	1297.4	1294.8
7.5°	1130.9	1134.2	1138.2	1127.6	1116.9	1106.3	1095.6	1068.3	1041.0	1013.0	985.7
10°	847.2	831.2	815.9	814.5	813.2	811.9	810.6	807.9	805.2	801.9	799.2
12.5°	598.8	608.1	617.4	614.1	610.7	606.7	603.4	608.1	613.4	618.1	622.7
15°	365.0	371.0	376.3	388.3	400.3	412.3	424.3	428.9	434.2	438.9	443.6
17.5°	237.8	238.4	239.8	253.1	265.7	279.1	291.7	300.4	309.0	317.0	325.7
20°	193.8	191.8	189.8	197.1	204.5	211.8	219.1	227.1	235.1	243.1	251.1
22.5°	172.5	171.2	169.8	172.5	175.2	177.2	179.8	185.8	192.5	198.5	204.5
25°	158.5	157.2	156.5	157.8	159.2	160.5	161.8	165.2	168.5	171.8	175.2
27.5°	142.5	143.2	143.2	144.5	145.2	146.5	147.2	148.5	150.5	151.9	153.2
30°	130.5	131.9	132.5	133.9	134.5	135.9	136.5	135.9	135.2	134.5	133.9
32.5°	119.2	118.6	118.6	119.9	120.6	121.9	122.5	123.9	125.2	125.9	127.2
35°	107.9	108.6	108.6	108.6	109.2	109.2	109.2	110.6	112.6	113.9	115.2
37.5°	97.9	97.9	97.2	99.2	100.6	102.6	103.9	105.2	107.2	108.6	109.9
40°	89.2	89.2	89.2	90.6	91.9	92.6	93.9	97.2	100.6	103.9	107.2
42.5°	79.9	80.6	80.6	81.9	83.3	83.9	85.3	87.9	89.9	92.6	94.6
45°	71.3	71.9	72.6	73.9	74.6	75.9	76.6	77.9	78.6	79.9	80.6
47.5°	61.3	61.9	62.6	63.9	64.6	65.9	66.6	65.9	65.9	65.3	64.6
50°	51.3	51.9	52.6	54.6	55.9	57.9	59.3	57.9	56.6	54.6	53.3
52.5°	43.3	43.3	44.0	45.3	46.6	47.3	48.6	48.0	47.3	46.6	46.0
55°	37.3	37.3	37.3	38.0	38.6	39.3	40.0	40.6	40.6	41.3	41.3
57.5°	33.3	32.6	32.6	33.3	34.0	34.0	34.6	35.3	35.3	36.0	36.0
60°	30.0	29.3	29.3	30.0	30.6	31.3	32.0	32.0	32.0	31.3	31.3
62.5°	26.6	26.6	26.6	27.3	27.3	28.0	28.0	28.0	28.6	28.6	28.6
65°	24.6	24.6	24.6	24.6	24.6	24.0	24.0	24.6	24.6	25.3	25.3
67.5°	22.6	23.3	23.3	22.6	22.0	21.3	20.6	21.3	21.3	22.0	22.0
70°	20.6	20.6	20.6	20.0	19.3	18.6	18.0	18.0	18.0	17.3	17.3
72.5°	19.3	18.6	18.6	18.0	16.7	16.0	14.7	14.0	14.0	13.3	12.7
75°	18.0	17.3	17.3	16.0	14.7	13.3	12.0	11.3	10.0	9.3	8.0
77.5°	16.0	16.0	16.0	14.0	12.7	10.7	8.7	7.3	6.0	4.0	2.7
80°	5.3	6.0	6.7	6.0	6.0	5.3	4.7	3.3	2.7	1.3	0.0
82.5°	0.7	0.7	0.7	0.7	0.7	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: P597125  
 CATALOG NUMBER: MSA-SA4B-835-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: P597125  
 CATALOG NUMBER: MSA-SA4B-835-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0
2.5°	1318.1	1325.4	1332.7	1340.0	1340.7	1341.4	1342.0	1342.7	1326.1	1308.7	1292.1
5°	1308.1	1322.1	1335.4	1348.7	1341.4	1334.0	1326.7	1319.4	1318.7	1318.7	1318.1
7.5°	987.7	989.0	991.0	992.4	995.0	997.7	999.7	1002.4	1013.0	1023.7	1033.7
10°	790.6	781.9	772.6	763.9	757.3	749.9	743.3	736.0	741.3	747.3	752.6
12.5°	615.4	608.1	600.1	592.8	590.1	587.4	584.1	581.4	598.8	616.1	632.7
15°	442.2	440.9	438.9	437.6	446.2	454.9	463.6	472.2	486.9	500.9	515.5
17.5°	329.0	332.3	335.7	339.0	344.3	349.7	354.3	359.7	370.3	381.6	392.3
20°	255.1	259.7	263.7	267.7	266.4	265.1	263.1	261.7	270.4	279.1	287.1
22.5°	208.5	211.8	215.8	219.1	219.8	220.5	221.1	221.8	227.1	231.8	237.1
25°	178.5	182.5	185.8	189.2	189.8	190.5	191.1	191.8	198.5	205.1	211.1
27.5°	157.8	161.8	166.5	170.5	171.8	173.2	174.5	175.8	179.8	183.2	187.2
30°	139.2	144.5	149.9	155.2	157.2	159.2	161.2	163.2	167.2	171.8	175.8
32.5°	129.9	133.2	135.9	138.5	143.2	147.2	151.9	155.8	160.5	165.8	170.5
35°	119.2	122.5	126.5	129.9	133.2	136.5	139.2	142.5	145.2	147.9	149.9
37.5°	112.6	115.9	118.6	121.2	122.5	123.9	124.5	125.9	127.2	128.5	129.2
40°	107.2	106.6	106.6	105.9	107.2	109.2	110.6	111.9	115.9	119.2	123.2
42.5°	93.2	91.2	89.9	87.9	91.2	93.9	97.2	99.9	105.2	110.6	115.9
45°	79.3	77.9	75.9	74.6	79.3	83.9	88.6	93.2	99.2	104.6	110.6
47.5°	65.3	65.9	65.9	66.6	71.3	75.9	79.9	84.6	90.6	96.6	102.6
50°	54.6	55.9	57.3	58.6	63.3	67.3	71.9	75.9	82.6	88.6	95.2
52.5°	48.0	50.0	51.3	53.3	57.3	61.9	65.9	69.9	75.9	81.9	87.9
55°	43.3	46.0	48.0	50.0	53.3	56.6	59.9	63.3	69.3	75.3	80.6
57.5°	38.0	40.0	42.0	44.0	47.3	50.6	53.3	56.6	61.9	67.9	73.3
60°	33.3	34.6	36.6	38.0	40.6	44.0	46.6	49.3	54.6	59.9	64.6
62.5°	29.3	30.6	31.3	32.0	34.6	37.3	40.0	42.6	47.3	52.6	57.3
65°	26.0	26.6	26.6	27.3	29.3	32.0	34.0	36.0	41.3	46.0	51.3
67.5°	22.0	22.6	22.6	22.6	24.6	26.6	28.6	30.6	35.3	40.6	45.3
70°	17.3	18.0	18.0	18.0	20.0	22.6	24.6	26.6	30.6	34.6	38.6
72.5°	13.3	13.3	14.0	14.0	16.0	18.6	20.6	22.6	26.0	29.3	32.6
75°	8.7	9.3	9.3	10.0	12.0	14.7	16.7	18.6	22.0	25.3	28.0
77.5°	3.3	4.7	5.3	6.0	8.0	10.0	12.0	14.0	16.7	20.0	22.6
80°	0.0	0.7	0.7	0.7	2.0	2.7	4.0	4.7	6.7	9.3	11.3
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: P597125  
 CATALOG NUMBER: MSA-SA4B-835-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: P597125  
 CATALOG NUMBER: MSA-SA4B-835-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0
2.5°	1274.8	1311.4	1348.0	1384.7	1421.3	1466.6	1511.9	1518.5	1525.2	1517.2	1509.9
5°	1317.4	1335.4	1352.7	1370.7	1388.0	1439.9	1491.2	1491.9	1491.9	1492.6	1492.6
7.5°	1044.3	1059.6	1075.0	1089.6	1104.9	1138.9	1172.9	1185.5	1197.5	1194.8	1192.2
10°	757.9	777.9	797.2	817.2	836.5	867.8	899.1	911.1	922.4	959.1	996.4
12.5°	650.0	669.4	688.7	707.3	726.6	758.6	790.6	813.9	836.5	859.2	881.8
15°	529.5	544.8	560.8	576.1	591.4	606.1	620.7	649.4	677.3	700.0	722.6
17.5°	402.9	409.6	415.6	422.3	428.3	434.9	441.6	453.6	464.9	484.9	504.2
20°	295.7	301.0	306.4	311.0	316.4	323.0	329.7	338.3	346.3	351.0	355.0
22.5°	241.8	249.8	257.8	265.1	273.1	277.7	282.4	285.1	287.7	289.7	291.7
25°	217.8	225.1	231.8	239.1	245.8	247.8	249.8	255.1	260.4	260.4	260.4
27.5°	190.5	200.5	211.1	221.1	231.1	233.8	235.8	237.8	239.1	236.4	233.1
30°	179.8	189.8	199.8	209.1	219.1	223.1	226.4	228.4	230.4	227.1	223.8
32.5°	175.2	184.5	193.1	202.5	211.1	216.5	221.1	226.4	231.1	231.8	233.1
35°	152.5	158.5	165.2	171.2	177.2	179.8	182.5	184.5	185.8	185.8	185.8
37.5°	130.5	138.5	147.2	155.2	163.2	169.2	175.2	175.8	175.8	177.2	179.2
40°	126.5	134.5	142.5	149.9	157.8	164.5	170.5	171.2	171.8	173.2	174.5
42.5°	121.2	129.9	138.5	147.2	155.8	162.5	168.5	168.5	167.8	169.8	171.2
45°	115.9	124.5	132.5	141.2	149.2	157.8	165.8	163.8	161.2	164.5	167.2
47.5°	108.6	117.9	127.2	135.9	145.2	153.2	160.5	159.2	157.2	160.5	163.8
50°	101.2	110.6	119.9	129.2	138.5	147.2	155.2	153.9	152.5	156.5	159.8
52.5°	93.9	103.2	113.2	122.5	131.9	139.2	145.9	145.2	144.5	148.5	153.2
55°	86.6	95.2	104.6	113.2	121.9	129.9	137.2	135.9	134.5	137.9	141.2
57.5°	78.6	87.2	95.2	103.9	111.9	118.6	124.5	122.5	120.6	124.5	128.5
60°	69.9	77.9	85.9	93.2	101.2	106.6	111.2	109.9	107.9	111.9	115.9
62.5°	61.9	69.3	76.6	83.3	90.6	94.6	98.6	97.2	95.9	99.9	104.6
65°	55.9	61.9	67.3	73.3	78.6	82.6	86.6	84.6	82.6	87.2	91.2
67.5°	50.0	54.6	59.9	64.6	69.3	72.6	75.9	74.6	72.6	75.9	79.3
70°	42.6	47.3	51.9	55.9	60.6	63.9	67.3	65.3	62.6	65.9	69.3
72.5°	36.0	40.0	44.0	47.3	51.3	53.9	56.6	54.6	52.6	55.3	57.9
75°	31.3	34.6	38.0	40.6	44.0	45.3	46.6	46.0	44.6	47.3	49.3
77.5°	25.3	28.0	31.3	34.0	36.6	36.6	36.6	37.3	37.3	40.0	43.3
80°	13.3	16.0	18.6	20.6	23.3	23.3	22.6	24.0	24.6	28.0	31.3
82.5°	0.0	2.0	4.0	6.0	8.0	7.3	6.0	6.7	6.7	8.0	9.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3
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: P597125  
 CATALOG NUMBER: MSA-SA4B-835-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: P597125

CATALOG NUMBER: MSA-SA4B-835-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0
2.5°	1501.9	1493.9	1488.6	1483.9	1478.6	1473.2	1479.9	1486.6	1492.6	1499.2	1519.2
5°	1493.2	1493.2	1488.6	1483.9	1479.2	1474.6	1484.6	1493.9	1503.9	1513.2	1512.5
7.5°	1188.9	1186.2	1214.2	1241.5	1269.4	1296.8	1304.1	1311.4	1318.1	1325.4	1323.4
10°	1033.0	1069.6	1081.6	1093.6	1105.6	1117.6	1132.2	1146.9	1161.5	1176.2	1181.5
12.5°	904.5	927.1	965.7	1003.7	1042.3	1080.3	1099.6	1119.6	1138.9	1158.2	1196.2
15°	745.3	767.9	801.2	834.5	867.8	901.1	931.8	963.1	993.7	1024.3	1070.3
17.5°	524.2	543.5	568.8	594.1	618.7	644.0	691.3	738.6	785.9	833.2	881.8
20°	359.7	363.6	375.6	388.3	400.3	412.3	454.9	498.2	540.8	583.4	647.4
22.5°	293.1	295.0	301.0	307.0	312.4	318.4	340.3	363.0	385.0	406.9	458.9
25°	259.7	259.7	263.7	267.7	271.7	275.7	287.7	299.7	311.0	323.0	356.3
27.5°	230.4	227.1	233.1	239.1	245.1	251.1	259.7	269.1	277.7	286.4	309.0
30°	220.5	217.1	224.5	231.8	239.1	246.4	255.1	263.7	271.7	280.4	295.7
32.5°	233.8	234.4	237.1	239.8	241.8	244.4	248.4	253.1	257.1	261.1	274.4
35°	185.8	185.8	190.5	195.1	199.1	203.8	211.1	218.5	225.8	233.1	247.1
37.5°	180.5	181.8	185.8	190.5	194.5	198.5	207.8	217.8	227.1	236.4	247.8
40°	175.2	176.5	181.8	187.2	192.5	197.8	207.1	215.8	225.1	233.8	244.4
42.5°	173.2	174.5	181.2	188.5	195.1	201.8	209.8	217.8	225.1	233.1	247.8
45°	170.5	173.2	181.2	189.8	197.8	205.8	213.1	220.5	227.8	235.1	253.1
47.5°	166.5	169.8	179.2	187.8	197.1	205.8	219.8	234.4	248.4	262.4	271.1
50°	163.8	167.2	177.2	187.2	197.1	207.1	229.8	252.4	274.4	297.0	292.4
52.5°	157.2	161.2	173.8	186.5	199.1	211.8	231.8	251.8	271.7	291.7	282.4
55°	144.5	147.9	162.5	177.2	191.1	205.8	220.5	235.1	249.1	263.7	253.1
57.5°	131.9	135.9	149.9	163.8	177.2	191.1	198.5	205.8	213.1	220.5	216.5
60°	119.9	123.9	142.5	161.2	179.8	198.5	191.8	185.2	177.8	171.2	175.8
62.5°	108.6	112.6	130.5	147.9	165.8	183.2	173.8	164.5	155.2	145.9	153.2
65°	95.9	99.9	106.6	113.9	120.6	127.2	126.5	125.2	124.5	123.2	131.2
67.5°	82.6	85.9	89.2	93.2	96.6	99.9	101.9	104.6	106.6	108.6	115.2
70°	71.9	75.3	79.3	82.6	86.6	89.9	91.2	92.6	93.2	94.6	100.6
72.5°	59.9	62.6	67.9	73.3	77.9	83.3	83.9	83.9	84.6	84.6	89.2
75°	51.9	53.9	57.9	61.9	65.3	69.3	71.3	73.3	74.6	76.6	79.3
77.5°	46.0	48.6	50.0	50.6	51.9	52.6	53.9	55.3	56.6	57.9	58.6
80°	34.0	37.3	38.6	39.3	40.6	41.3	41.3	40.6	40.6	40.0	40.6
82.5°	10.7	12.0	14.0	16.0	18.0	20.0	20.6	21.3	21.3	22.0	21.3
85°	2.0	2.7	4.0	5.3	6.0	7.3	6.7	5.3	4.7	3.3	2.7
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: P597125  
 CATALOG NUMBER: MSA-SA4B-835-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: P597125

CATALOG NUMBER: MSA-SA4B-835-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0
2.5°	1539.2	1558.5	1578.5	1570.5	1562.5	1554.5	1546.5	1547.8	1549.8	1551.2	1552.5
5°	1511.9	1510.5	1509.9	1532.5	1555.8	1578.5	1601.1	1625.8	1651.1	1675.7	1700.4
7.5°	1321.4	1318.7	1316.7	1346.0	1375.3	1404.6	1434.0	1467.9	1502.6	1536.5	1570.5
10°	1186.9	1192.2	1197.5	1209.5	1222.2	1234.1	1246.1	1278.8	1311.4	1343.4	1376.0
12.5°	1234.1	1271.4	1309.4	1316.7	1323.4	1330.7	1337.4	1342.0	1346.7	1351.4	1356.0
15°	1116.9	1162.9	1208.8	1228.2	1246.8	1266.1	1284.8	1334.0	1382.7	1432.0	1480.6
17.5°	930.4	978.4	1027.0	1085.0	1142.9	1200.8	1258.8	1312.1	1365.4	1418.6	1471.9
20°	712.0	775.9	839.9	913.1	987.0	1060.3	1133.6	1186.9	1239.5	1292.8	1345.4
22.5°	511.5	563.5	615.4	704.0	791.9	880.5	968.4	1061.0	1154.2	1246.8	1339.4
25°	389.6	422.3	455.6	542.8	630.1	716.6	803.9	931.1	1058.3	1185.5	1312.7
27.5°	331.0	353.7	375.6	454.2	532.8	610.7	689.3	840.5	991.7	1142.9	1294.1
30°	311.7	327.0	342.3	408.9	476.2	542.8	609.4	762.6	915.8	1069.0	1222.2
32.5°	287.7	300.4	313.7	372.3	430.9	488.9	547.5	697.3	847.2	996.4	1146.2
35°	260.4	274.4	287.7	346.3	404.9	462.9	521.5	676.7	831.9	987.0	1142.2
37.5°	258.4	269.7	280.4	348.3	416.9	484.9	552.8	708.0	863.2	1017.7	1172.9
40°	255.8	266.4	277.1	346.3	414.9	484.2	552.8	715.3	877.8	1040.3	1202.8
42.5°	262.4	276.4	291.1	352.3	413.6	474.2	535.5	706.7	877.8	1048.3	1219.5
45°	271.7	289.7	307.7	363.6	419.6	475.5	531.5	717.3	903.1	1088.3	1274.1
47.5°	280.4	289.1	297.7	351.0	403.6	456.9	509.5	699.3	889.1	1079.0	1268.8
50°	288.4	283.7	279.1	337.7	396.3	454.2	512.8	694.0	874.5	1055.6	1236.1
52.5°	272.4	263.1	253.1	315.7	378.3	440.2	502.8	685.3	867.8	1050.3	1232.8
55°	242.4	231.8	221.1	283.1	344.3	406.3	467.5	649.4	831.2	1013.0	1194.8
57.5°	211.8	207.8	203.1	250.4	297.7	344.3	391.6	593.4	795.9	997.7	1199.5
60°	180.5	184.5	189.2	223.1	257.1	290.4	324.4	522.2	719.3	917.1	1114.3
62.5°	159.8	167.2	173.8	202.5	231.8	260.4	289.1	475.5	662.0	848.5	1035.0
65°	139.9	147.9	155.8	189.8	224.5	258.4	292.4	450.2	608.1	765.9	923.8
67.5°	121.9	127.9	134.5	179.2	223.8	268.4	313.0	442.2	570.8	700.0	828.5
70°	106.6	111.9	117.9	169.8	221.8	273.7	325.7	435.6	546.1	656.0	765.9
72.5°	93.9	98.6	103.2	155.8	208.5	261.1	313.7	411.6	508.8	606.7	704.0
75°	81.9	83.9	86.6	131.2	175.2	219.8	263.7	329.0	395.0	460.2	525.5
77.5°	59.3	59.3	59.9	73.3	85.9	99.2	111.9	152.5	193.1	233.1	273.7
80°	40.6	41.3	41.3	46.6	51.3	56.6	61.3	69.9	77.9	86.6	94.6
82.5°	20.6	19.3	18.6	24.0	29.3	34.6	40.0	42.0	43.3	45.3	46.6
85°	2.0	0.7	0.0	3.3	6.7	10.0	13.3	16.0	18.6	21.3	24.0
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: P597125  
 CATALOG NUMBER: MSA-SA4B-835-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: P597125

CATALOG NUMBER: MSA-SA4B-835-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0
2.5°	1547.2	1541.8	1536.5	1531.2	1563.8	1597.1	1629.8	1662.4	1755.0	1815.6	1808.9
5°	1724.3	1748.3	1772.3	1796.3	1834.9	1874.2	1912.8	1951.5	2088.7	2172.6	2184.6
7.5°	1607.8	1644.4	1681.7	1718.3	1792.9	1866.9	1941.5	2015.4	2127.9	2215.2	2264.5
10°	1418.0	1459.9	1501.2	1543.2	1627.1	1711.7	1795.6	1879.5	2006.1	2126.6	2188.6
12.5°	1422.0	1487.9	1553.8	1619.8	1693.0	1766.3	1838.9	1912.2	1989.4	2030.0	2117.3
15°	1532.5	1584.5	1636.4	1688.4	1784.3	1880.2	1975.4	2071.3	2117.3	2215.2	2317.1
17.5°	1573.2	1675.1	1776.3	1877.5	1997.4	2116.6	2236.5	2355.7	2442.3	2578.2	2683.4
20°	1497.9	1650.4	1802.3	1954.8	2119.3	2283.8	2448.3	2612.8	2707.4	2836.6	2999.1
22.5°	1501.2	1663.1	1824.2	1986.1	2213.2	2439.6	2666.8	2893.2	3147.0	3396.1	3475.3
25°	1524.5	1736.3	1947.5	2159.3	2421.7	2684.1	2946.5	3208.9	3515.3	3777.0	3882.3
27.5°	1532.5	1771.0	2008.7	2247.2	2620.1	2993.1	3366.1	3739.1	4104.7	4400.4	4513.0
30°	1513.2	1804.9	2096.0	2387.0	2844.6	3302.2	3759.7	4217.3	4564.3	4908.6	5048.5
32.5°	1517.9	1889.5	2261.2	2632.8	3171.6	3711.1	4249.9	4788.7	5010.5	5320.9	5567.3
35°	1549.8	1957.4	2364.4	2772.0	3368.1	3964.2	4560.3	5156.4	5520.0	5847.7	6056.8
37.5°	1624.4	2076.0	2526.9	2978.5	3711.1	4444.4	5177.0	5909.6	6472.4	7035.2	7131.1
40°	1679.7	2156.6	2633.5	3110.3	3960.9	4811.4	5661.9	6512.4	7149.1	7759.9	7825.1
42.5°	1742.3	2264.5	2787.3	3309.5	4260.6	5211.6	6162.7	7113.8	7851.1	8473.8	8517.1
45°	1810.9	2348.4	2885.2	3422.0	4418.4	5414.1	6410.5	7406.2	8267.4	8990.7	8827.5
47.5°	1843.6	2418.3	2993.1	3567.9	4636.2	5703.8	6772.1	7839.8	8612.4	9250.4	9059.9
50°	1868.9	2500.9	3133.6	3765.7	4886.0	6006.2	7126.5	8246.7	9021.3	9610.1	9311.7
52.5°	1940.1	2646.8	3354.1	4060.8	5252.3	6443.1	7634.6	8825.5	9574.8	10115.6	9697.3
55°	2009.4	2823.3	3637.8	4451.7	5733.1	7015.2	8296.7	9578.1	10324.1	10787.6	10219.5
57.5°	2096.6	2994.4	3891.6	4788.7	6159.4	7530.1	8900.1	10270.8	11000.1	11512.2	10922.1
60°	2074.0	3033.1	3992.8	4951.9	6347.9	7743.9	9139.9	10535.8	11402.3	12031.7	11631.5
62.5°	1986.1	2937.2	3887.6	4838.7	6210.0	7580.7	8952.0	10322.7	11361.1	12213.6	12079.0
65°	1808.3	2692.1	3576.6	4460.4	5769.8	7079.8	8389.3	9698.7	10980.1	12065.0	12113.0
67.5°	1574.5	2320.4	3065.7	3811.7	5033.2	6254.6	7475.5	8697.0	10209.5	11474.9	11617.5
70°	1326.7	1886.8	2447.6	3007.8	4082.7	5157.7	6232.0	7307.0	8879.4	10152.9	10422.0
72.5°	1063.6	1424.0	1783.6	2143.3	2919.2	3694.4	4470.4	5245.6	6628.9	7617.3	8086.9
75°	689.3	853.2	1017.0	1180.9	1697.7	2213.9	2730.7	3246.9	4165.3	4893.3	5424.1
77.5°	307.0	340.3	373.0	406.3	805.2	1204.2	1603.1	2002.1	2401.0	2840.6	2965.1
80°	109.9	124.5	139.9	154.5	350.3	546.8	742.6	938.4	1131.6	1358.7	1414.0
82.5°	46.0	46.0	45.3	44.6	114.6	184.5	254.4	324.4	375.0	430.9	441.6
85°	18.6	14.0	8.7	3.3	14.7	26.6	38.0	49.3	79.3	71.9	133.2
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: P597125  
 CATALOG NUMBER: MSA-SA4B-835-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: P597125

CATALOG NUMBER: MSA-SA4B-835-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0
2.5°	1783.6	1782.3	1781.0	1779.6	1778.3	1754.3	1731.0	1707.0	1683.7	1713.0	1742.3
5°	2165.2	2199.9	2234.5	2269.8	2304.4	2314.4	2324.4	2334.4	2344.4	2365.7	2387.0
7.5°	2305.8	2364.4	2422.3	2480.9	2538.9	2592.8	2646.1	2700.1	2754.0	2740.7	2727.4
10°	2257.2	2363.1	2469.0	2575.5	2681.4	2704.7	2728.0	2752.0	2775.3	2835.9	2896.5
12.5°	2204.5	2331.8	2459.0	2586.2	2713.4	2784.0	2853.9	2924.5	2995.1	3056.4	3117.7
15°	2454.3	2535.6	2616.8	2698.7	2780.0	2841.9	2903.2	2965.1	3026.4	3069.0	3111.0
17.5°	2782.7	2822.6	2862.6	2903.2	2943.2	2991.8	3040.4	3089.0	3137.6	3163.0	3188.3
20°	3129.7	3147.0	3164.3	3181.6	3198.9	3160.3	3121.7	3083.0	3044.4	3068.4	3091.7
22.5°	3478.0	3484.0	3490.6	3496.6	3502.6	3412.7	3322.8	3232.9	3143.0	3105.0	3067.0
25°	4014.1	3970.2	3926.2	3882.3	3838.3	3731.7	3625.2	3518.6	3412.0	3318.1	3224.2
27.5°	4594.9	4445.7	4297.2	4148.0	3999.5	3892.9	3786.4	3679.8	3573.2	3432.0	3290.8
30°	5180.3	4939.9	4700.1	4459.7	4219.9	4093.4	3966.8	3839.6	3713.1	3571.9	3431.4
32.5°	5717.2	5428.1	5139.0	4849.3	4560.3	4347.1	4134.0	3920.9	3707.8	3609.2	3510.6
35°	6162.1	5820.4	5478.7	5136.4	4794.7	4583.6	4372.5	4161.3	3950.2	3803.7	3657.8
37.5°	6922.7	6538.4	6154.1	5769.8	5385.5	5097.1	4809.4	4521.0	4232.6	4134.7	4036.8
40°	7624.0	7139.8	6655.6	6171.4	5687.2	5445.4	5204.3	4962.6	4721.5	4560.9	4401.1
42.5°	8181.5	7671.3	7161.8	6651.6	6141.4	5902.3	5663.9	5424.8	5185.7	5078.4	4971.9
45°	8302.0	7821.1	7340.9	6860.1	6379.2	6240.0	6101.5	5962.3	5823.7	5749.8	5676.5
47.5°	8539.8	8018.3	7497.4	6975.9	6454.4	6391.8	6329.2	6266.0	6203.4	6238.7	6274.0
50°	8673.0	8140.8	7608.7	7076.5	6544.4	6562.3	6579.7	6597.6	6615.6	6866.1	7115.8
52.5°	8931.4	8393.9	7856.4	7318.9	6781.5	6894.7	7007.2	7120.5	7233.0	7578.0	7922.4
55°	9392.9	8864.8	8336.6	7807.8	7279.7	7428.8	7578.0	7727.9	7877.1	8243.4	8609.0
57.5°	10077.0	9552.8	9029.3	8505.1	7981.6	8130.2	8278.7	8427.2	8575.7	8906.8	9237.1
60°	10938.1	10400.0	9862.5	9324.3	8786.9	8842.8	8898.1	8954.0	9010.0	9365.6	9720.6
62.5°	11608.8	11114.0	10619.8	10124.9	9630.7	9568.8	9507.5	9445.6	9384.3	9654.7	9924.4
65°	11764.7	11416.3	11068.7	10720.3	10372.0	10181.5	9991.7	9801.2	9610.7	9720.0	9829.2
67.5°	11318.4	11083.3	10848.9	10613.8	10378.7	9981.0	9583.4	9185.2	8787.5	8729.6	8671.6
70°	10282.8	10154.2	10026.3	9897.8	9769.9	9157.2	8545.1	7932.4	7320.3	7173.1	7025.9
72.5°	8114.2	8194.1	8274.0	8354.6	8434.5	7778.5	7123.1	6467.1	5811.1	5624.6	5438.8
75°	5721.8	5992.9	6264.0	6535.0	6806.1	6208.0	5610.6	5012.5	4414.4	4235.3	4056.8
77.5°	3102.3	3610.5	4118.7	4626.9	5135.1	4641.5	4148.7	3655.1	3161.6	3037.1	2913.2
80°	1470.6	1763.6	2056.0	2349.1	2642.1	2530.9	2419.7	2307.8	2196.6	2223.9	2251.2
82.5°	450.9	662.7	874.5	1086.3	1298.1	1314.7	1330.7	1347.4	1364.0	1405.3	1445.9
85°	151.2	207.1	263.1	319.0	375.0	473.5	572.1	671.4	769.9	706.0	642.7
87.5°	0.0	2.0	3.3	5.3	6.7	20.6	34.6	48.6	62.6	53.9	46.0
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: P597125  
 CATALOG NUMBER: MSA-SA4B-835-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: P597125

CATALOG NUMBER: MSA-SA4B-835-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0
2.5°	1772.3	1801.6	1802.3	1803.6	1804.3	1804.9	1808.3	1811.6	1815.6	1818.9	1796.9
5°	2409.0	2430.3	2391.0	2351.7	2311.8	2272.5	2307.8	2343.1	2378.4	2413.7	2398.4
7.5°	2713.4	2700.1	2695.4	2691.4	2686.7	2682.7	2696.1	2709.4	2722.7	2736.0	2734.7
10°	2957.2	3017.8	3032.4	3047.1	3062.4	3077.0	3046.4	3015.8	2985.1	2954.5	2941.8
12.5°	3178.9	3240.2	3288.8	3337.5	3386.7	3435.4	3391.4	3348.1	3304.1	3260.9	3219.6
15°	3153.6	3195.6	3235.5	3275.5	3315.5	3355.4	3340.8	3326.8	3312.1	3297.5	3290.8
17.5°	3214.2	3239.5	3230.2	3220.9	3210.9	3201.6	3196.9	3192.9	3188.3	3183.6	3167.6
20°	3115.7	3139.6	3133.6	3128.3	3122.3	3116.3	3112.3	3108.3	3104.3	3100.3	3087.7
22.5°	3029.1	2991.1	2981.1	2971.8	2961.8	2952.5	2953.8	2955.2	2955.8	2957.2	3014.4
25°	3130.3	3036.4	2999.8	2963.1	2925.8	2889.2	2905.9	2921.9	2938.5	2955.2	3037.7
27.5°	3149.0	3007.8	2949.2	2890.5	2831.9	2773.3	2833.3	2893.2	2953.2	3013.1	3147.0
30°	3290.2	3149.6	3067.7	2986.5	2904.5	2823.3	2899.9	2976.5	3053.1	3129.7	3274.8
32.5°	3411.4	3312.8	3254.2	3195.6	3137.0	3078.4	3081.7	3084.4	3087.7	3091.0	3295.5
35°	3511.3	3365.4	3312.1	3259.5	3206.2	3153.6	3232.9	3312.1	3391.4	3470.7	3654.5
37.5°	3938.9	3841.0	3743.1	3645.8	3547.9	3450.7	3513.9	3577.2	3641.2	3704.4	3907.6
40°	4240.6	4080.7	4055.4	4030.8	4005.5	3980.8	4013.5	4045.4	4078.1	4110.7	4288.5
42.5°	4864.6	4757.4	4688.8	4620.9	4552.3	4484.3	4510.3	4536.3	4562.9	4588.9	4757.4
45°	5602.6	5528.7	5483.4	5438.1	5392.1	5346.8	5307.6	5268.9	5229.6	5191.0	5362.2
47.5°	6309.3	6344.6	6444.5	6543.7	6643.6	6742.8	6661.6	6580.3	6498.4	6417.2	6417.8
50°	7366.2	7616.0	7666.6	7716.6	7767.2	7817.1	7644.0	7470.8	7297.0	7123.8	7103.2
52.5°	8267.4	8611.7	8629.7	8647.7	8666.3	8684.3	8614.4	8544.4	8473.8	8403.9	8218.1
55°	8975.4	9341.0	9365.6	9389.6	9414.3	9438.2	9377.0	9316.4	9255.1	9193.8	9006.0
57.5°	9568.1	9898.5	9913.1	9927.1	9941.8	9956.4	9961.1	9965.7	9971.1	9975.7	9722.0
60°	10076.3	10431.9	10402.6	10374.0	10344.7	10316.1	10272.1	10228.1	10184.2	10140.2	9976.4
62.5°	10194.8	10465.3	10420.0	10375.3	10330.0	10285.4	10248.1	10211.5	10174.2	10136.9	10032.3
65°	9938.4	10047.7	10001.0	9954.4	9907.1	9860.5	9836.5	9813.2	9789.2	9765.3	9751.9
67.5°	8613.0	8555.1	8610.4	8665.7	8720.9	8776.2	8851.5	8926.7	9002.7	9077.9	9034.0
70°	6878.0	6730.8	6792.1	6852.7	6914.0	6974.6	7088.5	7202.4	7317.0	7430.8	7400.2
72.5°	5252.3	5065.8	5074.4	5083.1	5092.4	5101.1	5097.8	5095.1	5091.8	5088.4	5141.7
75°	3877.6	3698.4	3613.9	3529.3	3444.7	3360.1	3339.4	3318.8	3298.2	3277.5	3376.7
77.5°	2788.6	2664.8	2606.8	2549.5	2491.6	2434.3	2463.6	2492.9	2522.9	2552.2	2586.8
80°	2279.1	2306.4	2261.8	2217.9	2173.2	2128.6	2161.9	2194.6	2227.9	2261.2	2157.9
82.5°	1487.2	1527.9	1390.7	1253.5	1116.3	979.1	1062.3	1145.6	1229.5	1312.7	1270.1
85°	578.8	515.5	439.6	364.3	288.4	212.5	276.4	340.3	404.3	468.2	510.8
87.5°	37.3	29.3	23.3	17.3	10.7	4.7	10.0	15.3	21.3	26.6	44.6
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: P597125  
 CATALOG NUMBER: MSA-SA4B-835-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: P597125

CATALOG NUMBER: MSA-SA4B-835-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0	1408.0
2.5°	1775.6	1753.6	1732.3	1690.4	1648.4	1606.5	1564.5	1623.1	1681.7	1740.3	1798.9
5°	2383.7	2368.4	2353.7	2357.7	2361.7	2366.4	2370.4	2379.0	2387.7	2395.7	2404.4
7.5°	2734.0	2732.7	2731.4	2700.7	2670.1	2638.8	2608.2	2623.5	2638.8	2654.1	2669.4
10°	2929.8	2917.2	2904.5	2837.3	2770.0	2702.1	2634.8	2605.5	2575.5	2546.2	2516.9
12.5°	3178.3	3136.3	3095.0	3023.1	2951.8	2879.9	2808.0	2781.3	2754.0	2727.4	2700.1
15°	3284.8	3278.2	3272.2	3220.9	3168.9	3117.7	3065.7	2974.5	2882.6	2791.3	2700.1
17.5°	3151.6	3135.0	3119.0	3200.2	3280.8	3362.1	3443.3	3348.8	3254.2	3159.6	3065.0
20°	3075.0	3062.4	3049.7	3200.9	3351.4	3502.6	3653.1	3611.2	3568.6	3526.6	3484.6
22.5°	3071.7	3129.7	3186.9	3319.5	3451.3	3583.9	3715.8	3788.3	3861.6	3934.2	4006.8
25°	3120.3	3203.6	3286.2	3506.0	3725.7	3946.2	4166.0	4249.2	4331.8	4415.1	4497.7
27.5°	3280.2	3414.0	3547.2	3739.1	3930.9	4123.4	4315.2	4497.0	4679.5	4861.3	5043.1
30°	3419.4	3564.6	3709.8	3938.2	4166.0	4394.4	4622.2	4850.0	5077.8	5305.6	5533.3
32.5°	3500.0	3705.1	3909.6	4187.3	4464.4	4742.1	5019.8	5269.6	5519.3	5768.4	6018.2
35°	3838.3	4022.8	4206.6	4513.7	4820.7	5128.4	5435.4	5744.5	6053.5	6361.9	6670.9
37.5°	4110.7	4314.5	4517.6	4853.3	5188.3	5524.0	5859.7	6286.6	6714.2	7141.1	7568.0
40°	4466.4	4644.2	4822.0	5136.4	5450.1	5764.4	6078.8	6620.3	7161.8	7702.6	8244.1
42.5°	4925.3	5093.8	5262.3	5598.6	5934.9	6271.3	6607.6	7207.1	7806.5	8405.2	9004.7
45°	5533.3	5705.2	5876.3	6144.1	6411.8	6679.6	6947.3	7584.7	8221.4	8858.8	9495.5
47.5°	6418.5	6419.1	6419.8	6613.0	6806.1	6999.9	7193.1	7835.1	8476.5	9118.5	9759.9
50°	7082.5	7061.2	7040.5	7140.5	7239.7	7339.6	7439.5	8030.3	8621.7	9212.5	9803.2
52.5°	8032.9	7847.1	7662.0	7721.2	7779.8	7839.1	7897.7	8397.9	8898.8	9398.9	9899.1
55°	8818.8	8631.0	8443.2	8421.2	8399.2	8377.3	8355.3	8815.5	9275.7	9736.0	10196.2
57.5°	9468.9	9215.1	8962.0	8911.4	8861.5	8810.8	8760.2	9245.8	9730.6	10216.2	10701.0
60°	9813.2	9649.4	9485.5	9452.9	9419.6	9387.0	9353.7	9751.9	10150.2	10548.5	10946.8
62.5°	9928.4	9823.9	9720.0	9781.2	9842.5	9904.5	9965.7	10140.9	10315.4	10490.6	10665.1
65°	9739.3	9726.0	9712.6	9838.5	9963.7	10089.6	10215.5	10172.2	10128.2	10084.9	10041.7
67.5°	8990.7	8946.7	8903.4	9179.8	9455.6	9732.0	10008.4	9798.6	9588.1	9378.3	9168.5
70°	7369.6	7338.3	7307.6	7705.9	8104.2	8503.1	8901.4	8647.0	8392.6	8138.2	7883.7
72.5°	5194.3	5247.6	5300.9	5770.4	6239.3	6708.9	7177.8	6921.3	6664.9	6408.5	6152.1
75°	3475.3	3574.6	3673.8	4157.3	4640.9	5125.1	5608.6	5307.6	5006.5	4705.5	4404.4
77.5°	2621.5	2656.1	2690.7	2996.4	3302.2	3608.5	3914.2	3665.8	3416.7	3168.3	2919.2
80°	2054.7	1950.8	1847.6	1948.1	2048.7	2149.3	2249.8	2101.3	1952.8	1804.9	1656.4
82.5°	1227.5	1184.9	1142.2	1196.8	1250.8	1305.4	1360.0	1296.1	1231.5	1167.5	1102.9
85°	552.8	595.4	637.4	692.7	747.3	802.6	857.8	768.6	679.3	590.1	500.9
87.5°	61.9	79.9	97.9	121.2	144.5	167.8	191.1	149.2	106.6	64.6	22.6
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: P597125  
 CATALOG NUMBER: MSA-SA4B-835-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: P597125  
 CATALOG NUMBER: MSA-SA4B-835-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	1408.0	1408.0
2.5°	1832.9	1866.9
5°	2403.7	2402.4
7.5°	2629.5	2588.8
10°	2479.6	2442.3
12.5°	2604.8	2509.6
15°	2628.1	2556.2
17.5°	2947.8	2829.9
20°	3333.5	3181.6
22.5°	3799.0	3590.5
25°	4249.9	4002.1
27.5°	4894.6	4745.4
30°	5382.8	5231.6
32.5°	5915.6	5813.1
35°	6569.0	6466.4
37.5°	7594.7	7620.7
40°	8260.0	8276.0
42.5°	9066.6	9128.5
45°	9564.8	9634.1
47.5°	9856.5	9953.1
50°	9959.1	10114.9
52.5°	10091.6	10283.4
55°	10410.0	10623.8
57.5°	10871.5	11042.0
60°	10954.8	10962.8
62.5°	10541.8	10418.6
65°	9910.5	9779.2
67.5°	9089.2	9009.3
70°	7778.5	7673.3
72.5°	5956.3	5760.4
75°	4162.0	3919.6
77.5°	2792.0	2664.8
80°	1660.4	1663.7
82.5°	1133.6	1163.5
85°	494.9	488.2
87.5°	16.0	8.7
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: P597125  
CATALOG NUMBER: MSA-SA4B-835-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)