

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: P597081

Luminaire Tested: **MSA-SA3D-835-U-SLR-HSS**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P597081
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-SA3D-835-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: 11970 lumens
Efficiency: N/A
Efficacy: 62.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

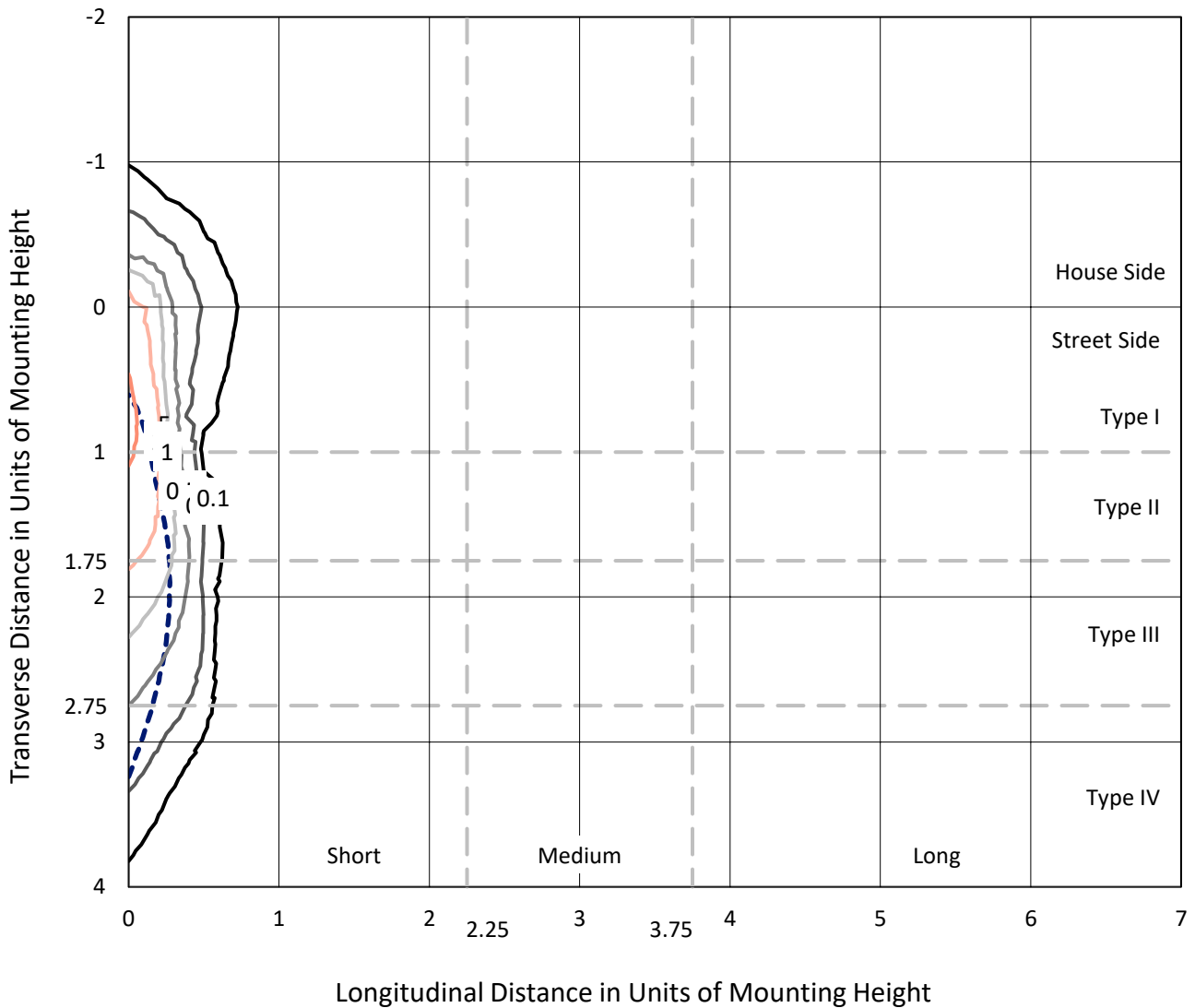
Input Watts (W): 192
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P597081
 CATALOG NUMBER: MSA-SA3D-835-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination

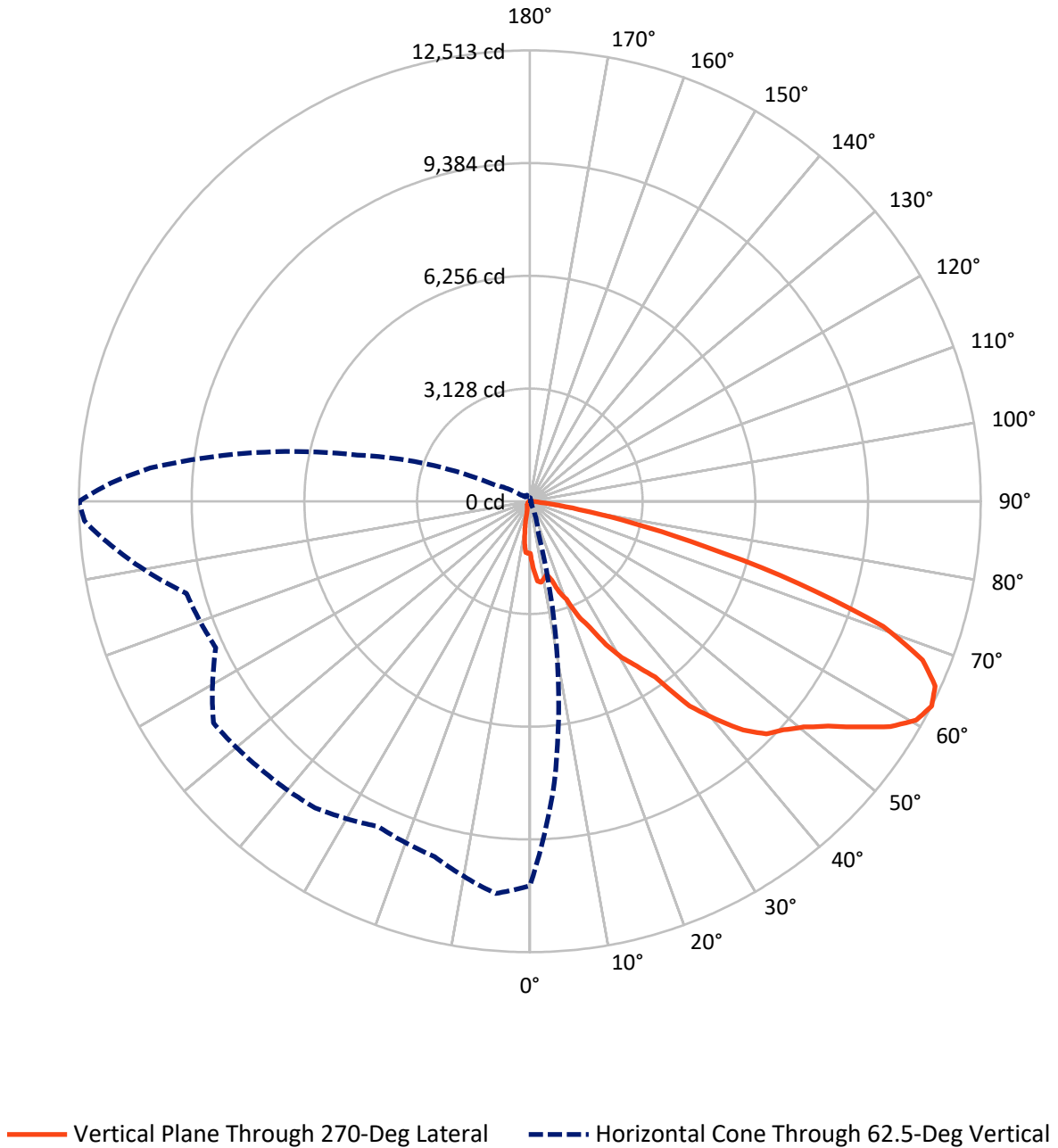
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P597081
CATALOG NUMBER: MSA-SA3D-835-U-SLR-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P597081
 CATALOG NUMBER: MSA-SA3D-835-U-SLR-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1998.8	0.0	1998.8
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	9971.2	0.0	9971.2
	% Fixture	83.3	0.0	83.3
Total	Lumens	11970.0	0.0	11970.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.2	1.3
10°-20°	421.0	3.5
20°-30°	680.4	5.7
30°-40°	1139.7	9.5
40°-50°	1863.1	15.6
50°-60°	2758.0	23.0
60°-70°	3166.2	26.5
70°-80°	1565.5	13.1
80°-90°	215.0	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°	11970.0	100.0
0°-180°	11970.0	100.0

Coefficient of Utilization



REPORT NUMBER: P597081

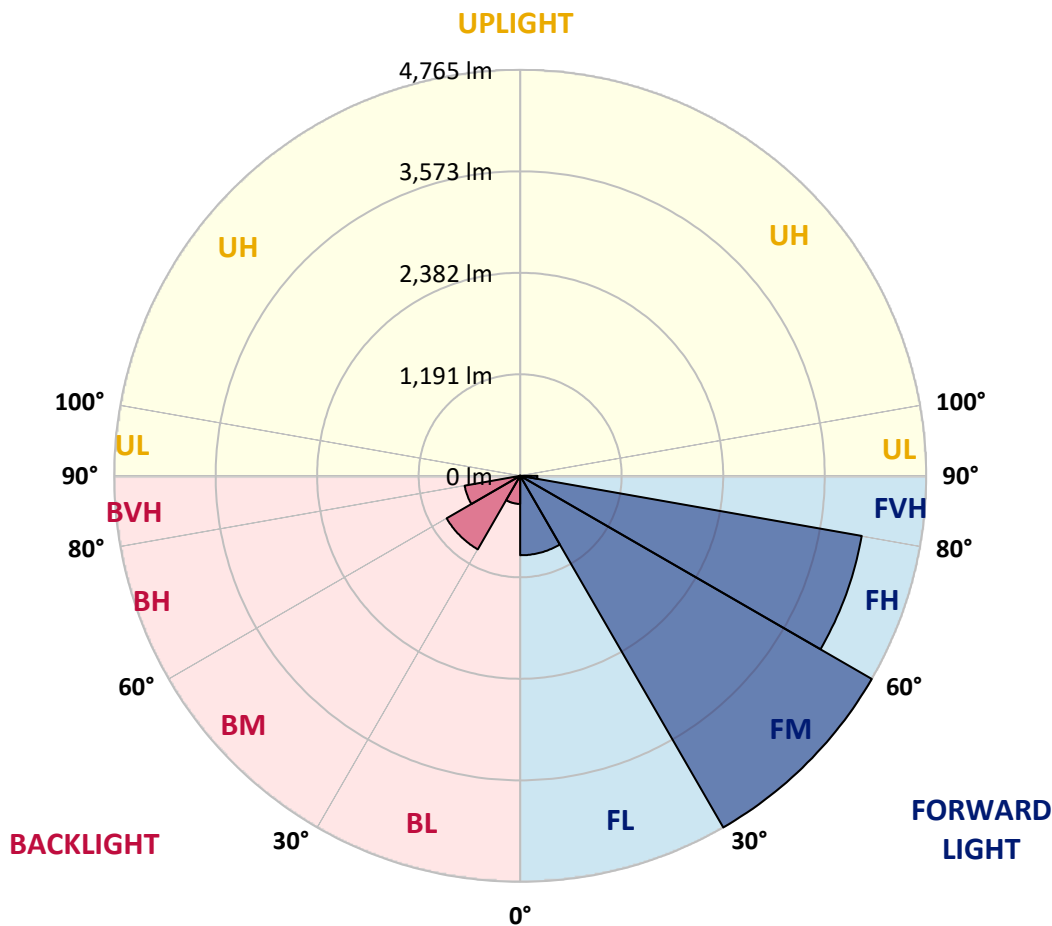
CATALOG NUMBER: MSA-SA3D-835-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	932.5	7.8			
FM (30°-60°)	4764.7	39.8			
FH (60°-80°)	4070.4	34.0			G2/5000
FVH (80°-90°)	203.6	1.7			G2/225
BL (0°-30°)	330.1	2.8	B1/500		
BM (30°-60°)	996.0	8.3	B1/1000		
BH (60°-80°)	661.3	5.5	B2/1000		G2/1000
BVH (80°-90°)	11.4	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





REPORT NUMBER: P597081

CATALOG NUMBER: MSA-SA3D-835-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4
2.5°	1912.6	1936.4	1959.6	1915.3	1870.9	1826.6	1782.2	1742.7	1703.1	1662.8	1623.3
5°	2461.2	2417.5	2373.8	2313.8	2253.7	2193.7	2133.6	2105.7	2077.7	2049.7	2021.7
7.5°	2652.2	2574.4	2496.0	2442.7	2390.2	2337.0	2283.8	2199.8	2115.2	2031.3	1946.7
10°	2502.1	2419.5	2336.3	2289.9	2243.5	2197.1	2150.7	2046.3	1941.2	1836.8	1731.7
12.5°	2571.0	2481.6	2392.2	2296.7	2201.2	2105.7	2010.1	1930.3	1849.8	1770.0	1689.4
15°	2618.8	2516.4	2413.4	2304.2	2195.0	2085.9	1976.7	1882.5	1789.1	1694.9	1600.7
17.5°	2899.2	2752.5	2605.8	2438.0	2270.1	2102.3	1934.4	1825.2	1716.7	1607.6	1498.4
20°	3259.5	3051.4	2842.6	2615.4	2388.1	2160.9	1933.7	1797.9	1662.2	1526.4	1390.6
22.5°	3678.4	3418.5	3157.8	2877.4	2597.6	2317.2	2036.7	1841.6	1646.5	1451.3	1256.2
25°	4100.1	3865.4	3630.7	3253.3	2876.0	2498.0	2120.7	1873.0	1624.6	1376.9	1128.6
27.5°	4861.6	4442.0	4022.3	3542.0	3062.3	2581.9	2101.6	1817.7	1533.9	1249.3	965.5
30°	5359.7	5036.9	4713.5	4079.0	3445.1	2810.5	2175.9	1816.4	1456.8	1096.5	736.9
32.5°	5955.4	5483.2	5010.3	4321.9	3633.4	2944.9	2256.5	1834.1	1411.1	988.7	565.6
35°	6624.7	6110.9	5597.1	4725.1	3853.1	2980.4	2108.4	1699.0	1289.6	880.2	470.8
37.5°	7807.2	6947.5	6087.7	5071.1	4053.7	3037.0	2019.7	1611.0	1201.6	792.9	383.5
40°	8478.6	7657.8	6836.9	5566.4	4295.9	3025.4	1754.9	1391.9	1029.6	666.6	303.6
42.5°	9352.0	8310.8	7268.8	5848.9	4429.0	3009.1	1589.1	1253.4	917.7	581.3	245.6
45°	9869.9	8690.1	7510.4	5971.7	4433.1	2894.4	1355.8	1065.1	774.4	483.8	193.1
47.5°	10196.7	9013.6	7830.4	6178.5	4527.2	2875.3	1223.4	955.9	688.5	421.0	153.5
50°	10362.5	9175.9	7988.7	6291.1	4593.4	2895.1	1197.5	931.4	664.6	398.5	131.7
52.5°	10535.1	9390.9	8245.9	6486.2	4726.5	2966.8	1207.0	935.5	664.6	393.0	121.5
55°	10883.8	9755.2	8626.0	6766.0	4905.9	3045.9	1185.9	918.4	650.9	382.8	115.3
57.5°	11312.3	10106.0	8898.9	6970.7	5042.4	3114.1	1185.9	917.0	648.2	378.7	109.9
60°	11231.1	9921.7	8611.7	6740.7	4869.8	2998.1	1127.2	871.3	616.1	360.3	104.4
62.5°	10673.7	9252.4	7830.4	6101.4	4371.7	2642.7	913.0	708.9	504.9	300.2	96.2
65°	10018.6	8510.0	7000.7	5409.5	3817.6	2226.4	634.6	498.1	361.0	224.5	87.3
67.5°	9229.8	7620.9	6012.0	4596.8	3182.4	1767.2	352.1	283.8	215.6	146.7	78.5
70°	7861.1	6200.3	4538.8	3451.2	2364.3	1276.6	189.0	159.7	130.3	101.0	71.6
72.5°	5901.5	4379.9	2858.3	2171.2	1484.7	797.6	110.5	99.6	88.0	77.1	65.5
75°	4015.5	2875.3	1735.2	1321.0	907.5	493.3	79.2	73.7	67.6	62.1	56.0
77.5°	2730.0	1974.7	1219.3	930.7	642.1	353.4	64.8	61.4	58.0	53.9	50.5
80°	1704.5	1166.8	629.1	484.5	339.1	194.5	49.1	47.1	45.0	42.3	40.3
82.5°	1192.0	713.0	234.0	182.9	131.7	79.8	28.7	29.3	30.0	30.0	30.7
85°	500.1	270.2	40.3	34.1	28.0	21.8	15.7	17.1	19.1	20.5	21.8
87.5°	8.9	4.8	0.0	1.4	3.4	4.8	6.1	8.2	9.6	11.6	13.0
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: P597081
 CATALOG NUMBER: MSA-SA3D-835-U-SLR-HSS

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



REPORT NUMBER: P597081

CATALOG NUMBER: MSA-SA3D-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4
2.5°	1633.5	1643.7	1653.3	1663.5	1655.3	1647.8	1639.6	1631.4	1619.2	1607.6	1595.3
5°	1987.6	1953.5	1919.4	1885.3	1833.4	1781.6	1729.0	1677.2	1671.0	1664.9	1658.1
7.5°	1866.8	1787.0	1706.5	1626.7	1551.6	1476.6	1401.5	1326.4	1303.2	1280.7	1257.5
10°	1670.3	1608.9	1546.8	1485.4	1431.5	1376.9	1323.0	1268.4	1211.8	1155.2	1097.9
12.5°	1625.3	1561.2	1496.3	1432.2	1383.1	1334.0	1284.8	1235.7	1172.2	1108.8	1045.3
15°	1531.1	1461.5	1391.9	1322.4	1256.8	1191.3	1125.2	1059.7	983.2	906.8	830.4
17.5°	1415.8	1334.0	1251.4	1168.8	1082.9	996.9	910.9	824.9	736.9	649.6	561.6
20°	1278.7	1166.8	1054.2	942.3	835.9	729.4	622.3	515.8	460.6	406.0	350.7
22.5°	1111.5	966.2	821.5	676.2	588.8	500.8	413.5	325.5	301.6	277.7	253.8
25°	964.1	799.7	635.2	470.8	415.5	360.3	305.0	249.7	238.8	227.2	216.3
27.5°	810.6	656.4	501.5	346.6	315.2	283.2	251.8	219.7	212.2	205.4	197.9
30°	621.6	506.3	390.3	275.0	254.5	234.0	212.9	192.4	189.0	184.9	181.5
32.5°	481.7	397.1	313.2	228.6	217.0	205.4	193.8	182.2	176.7	171.3	165.1
35°	402.6	335.0	266.8	198.6	190.4	181.5	173.3	164.4	159.0	152.8	147.4
37.5°	333.7	284.5	234.7	184.9	176.0	167.2	157.6	148.7	144.7	140.6	136.5
40°	275.0	246.3	217.7	189.0	176.0	163.1	150.1	137.1	133.7	130.3	126.9
42.5°	227.2	208.8	189.7	171.3	161.7	152.8	143.3	133.7	129.0	123.5	118.7
45°	183.5	173.3	163.8	153.5	154.2	154.9	154.9	155.6	143.3	130.3	118.0
47.5°	148.7	144.0	138.5	133.7	139.2	144.7	149.4	154.9	141.9	129.0	115.3
50°	127.6	124.2	120.1	116.0	121.5	127.6	133.1	138.5	133.1	128.3	122.8
52.5°	116.7	111.9	107.1	102.3	104.4	107.1	109.2	111.2	111.2	111.2	111.2
55°	109.9	105.1	99.6	94.2	92.1	89.4	87.3	84.6	81.2	78.5	75.1
57.5°	104.4	98.9	92.8	87.3	83.9	79.8	76.4	72.3	68.9	64.8	61.4
60°	98.9	93.5	87.3	81.9	78.5	75.1	71.0	67.6	63.5	60.0	56.0
62.5°	91.4	86.7	81.9	77.1	73.7	71.0	67.6	64.1	60.0	56.0	51.2
65°	83.2	79.8	75.7	71.6	68.2	64.8	61.4	58.0	53.9	50.5	46.4
67.5°	75.7	72.3	69.6	66.2	62.1	58.7	54.6	50.5	47.8	45.0	41.6
70°	69.6	66.9	64.8	62.1	58.0	54.6	50.5	46.4	44.4	41.6	39.6
72.5°	63.5	61.4	58.7	56.6	53.2	49.8	46.4	43.0	40.9	38.9	36.8
75°	54.6	53.2	51.9	50.5	47.1	43.7	39.6	36.2	35.5	34.8	34.1
77.5°	49.1	48.4	47.1	45.7	42.3	38.9	35.5	32.1	32.8	33.4	33.4
80°	40.3	40.3	39.6	39.6	36.8	34.1	30.7	28.0	29.3	31.4	32.8
82.5°	30.7	30.7	30.7	30.7	28.0	25.2	22.5	19.8	21.8	23.2	25.2
85°	21.2	20.5	19.8	19.1	17.1	15.7	13.6	11.6	14.3	16.4	19.1
87.5°	13.0	13.6	13.6	13.6	12.3	10.2	8.9	6.8	8.2	8.9	10.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597081
 CATALOG NUMBER: MSA-SA3D-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: P597081
 CATALOG NUMBER: MSA-SA3D-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4
2.5°	1583.0	1562.5	1542.1	1520.9	1500.4	1452.7	1404.9	1357.2	1309.4	1344.9	1379.7
5°	1651.9	1612.3	1572.1	1532.5	1492.3	1474.5	1457.5	1439.7	1422.0	1424.7	1428.1
7.5°	1234.3	1208.4	1182.5	1155.9	1129.9	1124.5	1119.7	1114.2	1108.8	1120.4	1131.3
10°	1041.2	1005.1	968.2	932.1	895.2	875.4	855.6	835.9	816.1	814.0	811.3
12.5°	981.9	926.6	872.0	816.7	761.5	718.5	675.5	632.5	589.5	592.9	596.4
15°	754.0	698.7	644.1	588.8	533.6	498.8	463.3	428.5	393.0	382.8	372.6
17.5°	473.5	432.6	391.7	350.0	309.1	297.5	286.6	275.0	263.4	260.0	256.6
20°	295.4	277.7	260.0	241.5	223.8	221.1	218.3	215.6	212.9	214.9	217.0
22.5°	229.9	222.4	214.3	206.7	198.6	195.8	193.1	190.4	187.6	189.7	191.1
25°	204.7	199.2	193.8	188.3	182.9	180.1	176.7	174.0	170.6	171.9	174.0
27.5°	190.4	185.6	180.8	176.0	171.3	166.5	162.4	157.6	152.8	155.6	157.6
30°	177.4	171.9	167.2	161.7	156.3	151.5	146.7	141.2	136.5	139.2	141.9
32.5°	159.7	154.9	149.4	144.7	139.2	136.5	133.7	130.3	127.6	129.6	131.0
35°	141.2	137.1	133.7	129.6	125.5	122.8	120.8	118.0	115.3	116.0	117.4
37.5°	132.4	127.6	122.8	118.0	113.3	111.9	110.5	108.5	107.1	107.1	107.1
40°	123.5	118.7	113.9	108.5	103.7	101.7	99.6	97.6	95.5	95.5	95.5
42.5°	113.3	108.5	103.7	98.9	94.2	92.1	89.4	87.3	84.6	84.6	84.6
45°	105.1	100.3	96.2	91.4	86.7	83.2	79.8	75.7	72.3	71.6	71.0
47.5°	102.3	95.5	88.7	81.9	75.1	71.6	68.2	64.1	60.7	60.0	59.4
50°	117.4	103.7	90.1	76.4	62.8	60.0	57.3	54.6	51.9	50.5	49.8
52.5°	111.2	96.9	82.6	68.2	53.9	51.9	49.8	47.8	45.7	44.4	43.0
55°	71.6	65.5	60.0	53.9	47.8	46.4	45.0	43.0	41.6	40.3	38.9
57.5°	57.3	53.9	51.2	47.8	44.4	43.0	41.6	39.6	38.2	36.2	34.8
60°	51.9	49.1	46.4	43.7	40.9	39.6	38.2	36.8	35.5	33.4	32.1
62.5°	47.1	45.0	43.0	40.9	38.9	37.5	36.2	34.8	33.4	31.4	29.3
65°	42.3	40.9	39.6	38.2	36.8	35.5	34.1	32.1	30.7	28.7	26.6
67.5°	38.9	38.2	37.5	36.8	36.2	34.8	32.8	31.4	29.3	27.3	24.6
70°	36.8	36.8	36.8	36.2	36.2	34.8	32.8	31.4	29.3	26.6	24.6
72.5°	34.8	35.5	36.2	36.2	36.8	34.8	32.8	30.7	28.7	25.9	23.9
75°	33.4	34.1	34.8	34.8	35.5	34.1	32.8	30.7	29.3	26.6	23.9
77.5°	34.1	34.8	34.8	35.5	35.5	34.1	32.8	30.7	29.3	25.9	22.5
80°	34.1	33.4	32.8	31.4	30.7	28.0	25.2	21.8	19.1	15.0	11.6
82.5°	26.6	25.2	24.6	23.2	21.8	19.1	16.4	13.6	10.9	8.2	5.5
85°	21.2	19.8	19.1	17.7	16.4	14.3	11.6	9.6	6.8	5.5	3.4
87.5°	10.9	10.2	8.9	8.2	6.8	5.5	3.4	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: P597081
 CATALOG NUMBER: MSA-SA3D-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: P597081
 CATALOG NUMBER: MSA-SA3D-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°	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4
2.5°	1415.1	1449.9	1445.2	1440.4	1462.9	1485.4	1469.1	1453.4	1437.0	1420.6	1386.5
5°	1430.8	1433.6	1428.8	1423.3	1424.0	1424.7	1413.8	1402.9	1391.9	1381.0	1379.0
7.5°	1142.9	1153.8	1168.8	1183.2	1183.8	1183.8	1175.7	1167.5	1158.6	1150.4	1154.5
10°	809.2	806.5	810.6	814.7	814.0	812.7	834.5	856.3	877.5	899.3	883.6
12.5°	599.1	602.5	585.4	568.4	574.5	580.0	583.4	586.8	590.2	593.6	603.2
15°	362.3	352.1	339.8	327.5	333.7	339.1	345.3	350.7	356.9	362.3	368.5
17.5°	252.5	249.0	243.6	237.5	238.1	238.8	239.5	240.2	240.2	240.9	242.2
20°	219.0	221.1	217.0	212.2	210.8	208.8	207.4	206.1	204.0	202.7	200.6
22.5°	193.1	194.5	195.1	195.1	192.4	189.0	186.3	184.2	181.5	178.8	177.4
25°	175.4	176.7	175.4	173.3	171.9	170.6	169.2	167.2	165.8	163.8	163.1
27.5°	160.3	162.4	162.4	161.7	160.3	158.3	154.9	152.2	148.7	145.3	146.0
30°	144.7	147.4	147.4	146.7	146.0	145.3	141.9	138.5	135.1	131.7	133.1
32.5°	133.1	134.4	133.7	133.1	133.1	132.4	129.6	127.6	124.9	122.1	122.1
35°	118.0	118.7	118.7	118.7	118.7	118.0	116.0	113.9	111.9	109.9	110.5
37.5°	107.1	107.1	109.2	110.5	109.2	107.8	106.4	104.4	103.0	101.0	101.0
40°	94.8	94.8	96.9	98.3	96.9	95.5	94.8	93.5	92.8	91.4	91.4
42.5°	83.9	83.9	86.0	87.3	87.3	86.7	85.3	83.9	82.6	81.2	81.9
45°	70.3	69.6	73.0	75.7	74.4	73.0	73.0	72.3	72.3	71.6	72.3
47.5°	58.0	57.3	60.0	62.8	62.1	60.7	60.7	60.7	60.7	60.7	61.4
50°	48.4	47.1	49.8	51.9	51.2	49.8	49.8	50.5	50.5	50.5	51.2
52.5°	41.6	40.3	42.3	43.7	43.0	42.3	42.3	43.0	43.0	43.0	43.7
55°	36.8	35.5	37.5	38.9	38.2	36.8	37.5	37.5	38.2	38.2	38.2
57.5°	32.8	30.7	32.1	33.4	33.4	32.8	33.4	33.4	34.1	34.1	34.1
60°	30.0	28.0	29.3	30.0	30.0	29.3	30.0	30.0	30.7	30.7	30.7
62.5°	26.6	24.6	25.9	26.6	26.6	25.9	26.6	26.6	27.3	27.3	27.3
65°	23.9	21.8	22.5	23.2	23.2	23.2	23.9	23.9	24.6	24.6	24.6
67.5°	22.5	19.8	20.5	21.2	21.2	21.2	21.8	21.8	22.5	22.5	23.2
70°	21.8	19.1	19.8	19.8	20.5	20.5	20.5	21.2	21.2	21.2	21.2
72.5°	21.2	18.4	18.4	18.4	19.1	19.1	19.1	19.8	19.8	19.8	19.8
75°	21.2	18.4	17.7	17.1	17.7	17.7	17.7	18.4	18.4	18.4	18.4
77.5°	18.4	15.0	13.6	11.6	13.6	15.0	15.7	15.7	16.4	16.4	16.4
80°	7.5	3.4	2.0	0.0	0.7	1.4	2.0	2.7	3.4	4.1	4.8
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: P597081
 CATALOG NUMBER: MSA-SA3D-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: P597081
 CATALOG NUMBER: MSA-SA3D-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4
2.5°	1352.4	1318.3	1284.1	1300.5	1316.9	1333.3	1349.6	1348.3	1346.2	1344.9	1342.8
5°	1377.6	1375.6	1373.5	1364.0	1355.1	1345.6	1336.0	1334.0	1331.2	1329.2	1326.4
7.5°	1158.6	1162.0	1166.1	1155.2	1144.3	1133.3	1122.4	1094.5	1066.5	1037.8	1009.8
10°	867.9	851.5	835.9	834.5	833.1	831.8	830.4	827.7	824.9	821.5	818.8
12.5°	613.4	623.0	632.5	629.1	625.7	621.6	618.2	623.0	628.4	633.2	638.0
15°	373.9	380.1	385.5	397.8	410.1	422.4	434.6	439.4	444.9	449.7	454.4
17.5°	243.6	244.3	245.6	259.3	272.2	285.9	298.9	307.7	316.6	324.8	333.7
20°	198.6	196.5	194.5	202.0	209.5	217.0	224.5	232.7	240.9	249.0	257.2
22.5°	176.7	175.4	174.0	176.7	179.5	181.5	184.2	190.4	197.2	203.3	209.5
25°	162.4	161.0	160.3	161.7	163.1	164.4	165.8	169.2	172.6	176.0	179.5
27.5°	146.0	146.7	146.7	148.1	148.7	150.1	150.8	152.2	154.2	155.6	156.9
30°	133.7	135.1	135.8	137.1	137.8	139.2	139.9	139.2	138.5	137.8	137.1
32.5°	122.1	121.5	121.5	122.8	123.5	124.9	125.5	126.9	128.3	129.0	130.3
35°	110.5	111.2	111.2	111.2	111.9	111.9	111.9	113.3	115.3	116.7	118.0
37.5°	100.3	100.3	99.6	101.7	103.0	105.1	106.4	107.8	109.9	111.2	112.6
40°	91.4	91.4	91.4	92.8	94.2	94.8	96.2	99.6	103.0	106.4	109.9
42.5°	81.9	82.6	82.6	83.9	85.3	86.0	87.3	90.1	92.1	94.8	96.9
45°	73.0	73.7	74.4	75.7	76.4	77.8	78.5	79.8	80.5	81.9	82.6
47.5°	62.8	63.5	64.1	65.5	66.2	67.6	68.2	67.6	67.6	66.9	66.2
50°	52.5	53.2	53.9	56.0	57.3	59.4	60.7	59.4	58.0	56.0	54.6
52.5°	44.4	44.4	45.0	46.4	47.8	48.4	49.8	49.1	48.4	47.8	47.1
55°	38.2	38.2	38.2	38.9	39.6	40.3	40.9	41.6	41.6	42.3	42.3
57.5°	34.1	33.4	33.4	34.1	34.8	34.8	35.5	36.2	36.2	36.8	36.8
60°	30.7	30.0	30.0	30.7	31.4	32.1	32.8	32.8	32.8	32.1	32.1
62.5°	27.3	27.3	27.3	28.0	28.0	28.7	28.7	28.7	29.3	29.3	29.3
65°	25.2	25.2	25.2	25.2	25.2	24.6	24.6	25.2	25.2	25.9	25.9
67.5°	23.2	23.9	23.9	23.2	22.5	21.8	21.2	21.8	21.8	22.5	22.5
70°	21.2	21.2	21.2	20.5	19.8	19.1	18.4	18.4	18.4	17.7	17.7
72.5°	19.8	19.1	19.1	18.4	17.1	16.4	15.0	14.3	14.3	13.6	13.0
75°	18.4	17.7	17.7	16.4	15.0	13.6	12.3	11.6	10.2	9.6	8.2
77.5°	16.4	16.4	16.4	14.3	13.0	10.9	8.9	7.5	6.1	4.1	2.7
80°	5.5	6.1	6.8	6.1	6.1	5.5	4.8	3.4	2.7	1.4	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: P597081
 CATALOG NUMBER: MSA-SA3D-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: P597081
 CATALOG NUMBER: MSA-SA3D-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°	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4
2.5°	1350.3	1357.8	1365.3	1372.8	1373.5	1374.2	1374.9	1375.6	1358.5	1340.8	1323.7
5°	1340.1	1354.4	1368.1	1381.7	1374.2	1366.7	1359.2	1351.7	1351.0	1351.0	1350.3
7.5°	1011.9	1013.3	1015.3	1016.7	1019.4	1022.1	1024.2	1026.9	1037.8	1048.7	1059.0
10°	809.9	801.1	791.5	782.6	775.8	768.3	761.5	754.0	759.4	765.6	771.0
12.5°	630.5	623.0	614.8	607.3	604.5	601.8	598.4	595.7	613.4	631.2	648.2
15°	453.1	451.7	449.7	448.3	457.2	466.0	474.9	483.8	498.8	513.1	528.1
17.5°	337.1	340.5	343.9	347.3	352.8	358.2	363.0	368.5	379.4	391.0	401.9
20°	261.3	266.1	270.2	274.3	272.9	271.6	269.5	268.2	277.0	285.9	294.1
22.5°	213.6	217.0	221.1	224.5	225.2	225.9	226.5	227.2	232.7	237.5	242.9
25°	182.9	187.0	190.4	193.8	194.5	195.1	195.8	196.5	203.3	210.2	216.3
27.5°	161.7	165.8	170.6	174.7	176.0	177.4	178.8	180.1	184.2	187.6	191.7
30°	142.6	148.1	153.5	159.0	161.0	163.1	165.1	167.2	171.3	176.0	180.1
32.5°	133.1	136.5	139.2	141.9	146.7	150.8	155.6	159.7	164.4	169.9	174.7
35°	122.1	125.5	129.6	133.1	136.5	139.9	142.6	146.0	148.7	151.5	153.5
37.5°	115.3	118.7	121.5	124.2	125.5	126.9	127.6	129.0	130.3	131.7	132.4
40°	109.9	109.2	109.2	108.5	109.9	111.9	113.3	114.6	118.7	122.1	126.2
42.5°	95.5	93.5	92.1	90.1	93.5	96.2	99.6	102.3	107.8	113.3	118.7
45°	81.2	79.8	77.8	76.4	81.2	86.0	90.7	95.5	101.7	107.1	113.3
47.5°	66.9	67.6	67.6	68.2	73.0	77.8	81.9	86.7	92.8	98.9	105.1
50°	56.0	57.3	58.7	60.0	64.8	68.9	73.7	77.8	84.6	90.7	97.6
52.5°	49.1	51.2	52.5	54.6	58.7	63.5	67.6	71.6	77.8	83.9	90.1
55°	44.4	47.1	49.1	51.2	54.6	58.0	61.4	64.8	71.0	77.1	82.6
57.5°	38.9	40.9	43.0	45.0	48.4	51.9	54.6	58.0	63.5	69.6	75.1
60°	34.1	35.5	37.5	38.9	41.6	45.0	47.8	50.5	56.0	61.4	66.2
62.5°	30.0	31.4	32.1	32.8	35.5	38.2	40.9	43.7	48.4	53.9	58.7
65°	26.6	27.3	27.3	28.0	30.0	32.8	34.8	36.8	42.3	47.1	52.5
67.5°	22.5	23.2	23.2	23.2	25.2	27.3	29.3	31.4	36.2	41.6	46.4
70°	17.7	18.4	18.4	18.4	20.5	23.2	25.2	27.3	31.4	35.5	39.6
72.5°	13.6	13.6	14.3	14.3	16.4	19.1	21.2	23.2	26.6	30.0	33.4
75°	8.9	9.6	9.6	10.2	12.3	15.0	17.1	19.1	22.5	25.9	28.7
77.5°	3.4	4.8	5.5	6.1	8.2	10.2	12.3	14.3	17.1	20.5	23.2
80°	0.0	0.7	0.7	0.7	2.0	2.7	4.1	4.8	6.8	9.6	11.6
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: P597081
 CATALOG NUMBER: MSA-SA3D-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: P597081
 CATALOG NUMBER: MSA-SA3D-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4
2.5°	1306.0	1343.5	1381.0	1418.6	1456.1	1502.5	1548.9	1555.7	1562.5	1554.3	1546.8
5°	1349.6	1368.1	1385.8	1404.2	1422.0	1475.2	1527.7	1528.4	1528.4	1529.1	1529.1
7.5°	1069.9	1085.6	1101.3	1116.3	1132.0	1166.8	1201.6	1214.5	1226.8	1224.1	1221.4
10°	776.5	797.0	816.7	837.2	857.0	889.1	921.1	933.4	945.0	982.6	1020.8
12.5°	666.0	685.7	705.5	724.6	744.4	777.2	809.9	833.8	857.0	880.2	903.4
15°	542.5	558.1	574.5	590.2	605.9	620.9	635.9	665.3	693.9	717.1	740.3
17.5°	412.8	419.6	425.8	432.6	438.7	445.6	452.4	464.7	476.3	496.7	516.5
20°	303.0	308.4	313.9	318.6	324.1	330.9	337.8	346.6	354.8	359.6	363.7
22.5°	247.7	255.9	264.1	271.6	279.8	284.5	289.3	292.0	294.8	296.8	298.9
25°	223.1	230.6	237.5	245.0	251.8	253.8	255.9	261.3	266.8	266.8	266.8
27.5°	195.1	205.4	216.3	226.5	236.8	239.5	241.5	243.6	245.0	242.2	238.8
30°	184.2	194.5	204.7	214.3	224.5	228.6	232.0	234.0	236.1	232.7	229.3
32.5°	179.5	189.0	197.9	207.4	216.3	221.8	226.5	232.0	236.8	237.5	238.8
35°	156.3	162.4	169.2	175.4	181.5	184.2	187.0	189.0	190.4	190.4	190.4
37.5°	133.7	141.9	150.8	159.0	167.2	173.3	179.5	180.1	180.1	181.5	183.5
40°	129.6	137.8	146.0	153.5	161.7	168.5	174.7	175.4	176.0	177.4	178.8
42.5°	124.2	133.1	141.9	150.8	159.7	166.5	172.6	172.6	171.9	174.0	175.4
45°	118.7	127.6	135.8	144.7	152.8	161.7	169.9	167.9	165.1	168.5	171.3
47.5°	111.2	120.8	130.3	139.2	148.7	156.9	164.4	163.1	161.0	164.4	167.9
50°	103.7	113.3	122.8	132.4	141.9	150.8	159.0	157.6	156.3	160.3	163.8
52.5°	96.2	105.8	116.0	125.5	135.1	142.6	149.4	148.7	148.1	152.2	156.9
55°	88.7	97.6	107.1	116.0	124.9	133.1	140.6	139.2	137.8	141.2	144.7
57.5°	80.5	89.4	97.6	106.4	114.6	121.5	127.6	125.5	123.5	127.6	131.7
60°	71.6	79.8	88.0	95.5	103.7	109.2	113.9	112.6	110.5	114.6	118.7
62.5°	63.5	71.0	78.5	85.3	92.8	96.9	101.0	99.6	98.3	102.3	107.1
65°	57.3	63.5	68.9	75.1	80.5	84.6	88.7	86.7	84.6	89.4	93.5
67.5°	51.2	56.0	61.4	66.2	71.0	74.4	77.8	76.4	74.4	77.8	81.2
70°	43.7	48.4	53.2	57.3	62.1	65.5	68.9	66.9	64.1	67.6	71.0
72.5°	36.8	40.9	45.0	48.4	52.5	55.3	58.0	56.0	53.9	56.6	59.4
75°	32.1	35.5	38.9	41.6	45.0	46.4	47.8	47.1	45.7	48.4	50.5
77.5°	25.9	28.7	32.1	34.8	37.5	37.5	37.5	38.2	38.2	40.9	44.4
80°	13.6	16.4	19.1	21.2	23.9	23.9	23.2	24.6	25.2	28.7	32.1
82.5°	0.0	2.0	4.1	6.1	8.2	7.5	6.1	6.8	6.8	8.2	9.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4
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: P597081
 CATALOG NUMBER: MSA-SA3D-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: P597081
 CATALOG NUMBER: MSA-SA3D-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°	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4
2.5°	1538.6	1530.5	1525.0	1520.2	1514.8	1509.3	1516.1	1523.0	1529.1	1535.9	1556.4
5°	1529.8	1529.8	1525.0	1520.2	1515.5	1510.7	1520.9	1530.5	1540.7	1550.2	1549.6
7.5°	1218.0	1215.2	1243.9	1271.9	1300.5	1328.5	1336.0	1343.5	1350.3	1357.8	1355.8
10°	1058.3	1095.8	1108.1	1120.4	1132.7	1144.9	1160.0	1175.0	1190.0	1205.0	1210.4
12.5°	926.6	949.8	989.4	1028.3	1067.8	1106.7	1126.5	1147.0	1166.8	1186.6	1225.5
15°	763.5	786.7	820.8	855.0	889.1	923.2	954.6	986.6	1018.0	1049.4	1096.5
17.5°	537.0	556.8	582.7	608.6	633.9	659.8	708.3	756.7	805.1	853.6	903.4
20°	368.5	372.6	384.8	397.8	410.1	422.4	466.0	510.4	554.1	597.7	663.2
22.5°	300.2	302.3	308.4	314.6	320.0	326.2	348.7	371.9	394.4	416.9	470.1
25°	266.1	266.1	270.2	274.3	278.4	282.5	294.8	307.0	318.6	330.9	365.0
27.5°	236.1	232.7	238.8	245.0	251.1	257.2	266.1	275.7	284.5	293.4	316.6
30°	225.9	222.4	229.9	237.5	245.0	252.5	261.3	270.2	278.4	287.3	303.0
32.5°	239.5	240.2	242.9	245.6	247.7	250.4	254.5	259.3	263.4	267.5	281.1
35°	190.4	190.4	195.1	199.9	204.0	208.8	216.3	223.8	231.3	238.8	253.1
37.5°	184.9	186.3	190.4	195.1	199.2	203.3	212.9	223.1	232.7	242.2	253.8
40°	179.5	180.8	186.3	191.7	197.2	202.7	212.2	221.1	230.6	239.5	250.4
42.5°	177.4	178.8	185.6	193.1	199.9	206.7	214.9	223.1	230.6	238.8	253.8
45°	174.7	177.4	185.6	194.5	202.7	210.8	218.3	225.9	233.4	240.9	259.3
47.5°	170.6	174.0	183.5	192.4	202.0	210.8	225.2	240.2	254.5	268.8	277.7
50°	167.9	171.3	181.5	191.7	202.0	212.2	235.4	258.6	281.1	304.3	299.5
52.5°	161.0	165.1	178.1	191.1	204.0	217.0	237.5	257.9	278.4	298.9	289.3
55°	148.1	151.5	166.5	181.5	195.8	210.8	225.9	240.9	255.2	270.2	259.3
57.5°	135.1	139.2	153.5	167.9	181.5	195.8	203.3	210.8	218.3	225.9	221.8
60°	122.8	126.9	146.0	165.1	184.2	203.3	196.5	189.7	182.2	175.4	180.1
62.5°	111.2	115.3	133.7	151.5	169.9	187.6	178.1	168.5	159.0	149.4	156.9
65°	98.3	102.3	109.2	116.7	123.5	130.3	129.6	128.3	127.6	126.2	134.4
67.5°	84.6	88.0	91.4	95.5	98.9	102.3	104.4	107.1	109.2	111.2	118.0
70°	73.7	77.1	81.2	84.6	88.7	92.1	93.5	94.8	95.5	96.9	103.0
72.5°	61.4	64.1	69.6	75.1	79.8	85.3	86.0	86.0	86.7	86.7	91.4
75°	53.2	55.3	59.4	63.5	66.9	71.0	73.0	75.1	76.4	78.5	81.2
77.5°	47.1	49.8	51.2	51.9	53.2	53.9	55.3	56.6	58.0	59.4	60.0
80°	34.8	38.2	39.6	40.3	41.6	42.3	42.3	41.6	41.6	40.9	41.6
82.5°	10.9	12.3	14.3	16.4	18.4	20.5	21.2	21.8	21.8	22.5	21.8
85°	2.0	2.7	4.1	5.5	6.1	7.5	6.8	5.5	4.8	3.4	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: P597081
 CATALOG NUMBER: MSA-SA3D-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: P597081

CATALOG NUMBER: MSA-SA3D-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4
2.5°	1576.9	1596.6	1617.1	1608.9	1600.7	1592.6	1584.4	1585.7	1587.8	1589.1	1590.5
5°	1548.9	1547.5	1546.8	1570.0	1593.9	1617.1	1640.3	1665.6	1691.5	1716.7	1742.0
7.5°	1353.7	1351.0	1349.0	1379.0	1409.0	1439.0	1469.1	1503.9	1539.3	1574.1	1608.9
10°	1215.9	1221.4	1226.8	1239.1	1252.1	1264.4	1276.6	1310.1	1343.5	1376.3	1409.7
12.5°	1264.4	1302.6	1341.5	1349.0	1355.8	1363.3	1370.1	1374.9	1379.7	1384.4	1389.2
15°	1144.3	1191.3	1238.4	1258.2	1277.3	1297.1	1316.2	1366.7	1416.5	1467.0	1516.8
17.5°	953.2	1002.3	1052.1	1111.5	1170.9	1230.2	1289.6	1344.2	1398.8	1453.4	1507.9
20°	729.4	794.9	860.4	935.5	1011.2	1086.3	1161.3	1215.9	1269.8	1324.4	1378.3
22.5°	524.0	577.2	630.5	721.2	811.3	902.0	992.1	1086.9	1182.5	1277.3	1372.2
25°	399.2	432.6	466.7	556.1	645.5	734.2	823.6	953.9	1084.2	1214.5	1344.9
27.5°	339.1	362.3	384.8	465.3	545.9	625.7	706.2	861.1	1016.0	1170.9	1325.8
30°	319.3	335.0	350.7	418.9	487.9	556.1	624.3	781.3	938.2	1095.1	1252.1
32.5°	294.8	307.7	321.4	381.4	441.5	500.8	560.9	714.4	867.9	1020.8	1174.3
35°	266.8	281.1	294.8	354.8	414.9	474.2	534.3	693.2	852.2	1011.2	1170.2
37.5°	264.7	276.3	287.3	356.9	427.1	496.7	566.3	725.3	884.3	1042.6	1201.6
40°	262.0	272.9	283.8	354.8	425.1	496.1	566.3	732.8	899.3	1065.8	1232.3
42.5°	268.8	283.2	298.2	361.0	423.7	485.8	548.6	723.9	899.3	1074.0	1249.3
45°	278.4	296.8	315.2	372.6	429.9	487.2	544.5	734.9	925.2	1114.9	1305.3
47.5°	287.3	296.1	305.0	359.6	413.5	468.1	522.0	716.4	910.9	1105.4	1299.8
50°	295.4	290.7	285.9	345.9	406.0	465.3	525.4	711.0	895.9	1081.5	1266.4
52.5°	279.1	269.5	259.3	323.4	387.6	451.0	515.2	702.1	889.1	1076.0	1263.0
55°	248.4	237.5	226.5	290.0	352.8	416.2	479.0	665.3	851.5	1037.8	1224.1
57.5°	217.0	212.9	208.1	256.6	305.0	352.8	401.2	608.0	815.4	1022.1	1228.9
60°	184.9	189.0	193.8	228.6	263.4	297.5	332.3	534.9	736.9	939.6	1141.5
62.5°	163.8	171.3	178.1	207.4	237.5	266.8	296.1	487.2	678.2	869.3	1060.3
65°	143.3	151.5	159.7	194.5	229.9	264.7	299.5	461.3	623.0	784.7	946.4
67.5°	124.9	131.0	137.8	183.5	229.3	275.0	320.7	453.1	584.8	717.1	848.8
70°	109.2	114.6	120.8	174.0	227.2	280.4	333.7	446.2	559.5	672.1	784.7
72.5°	96.2	101.0	105.8	159.7	213.6	267.5	321.4	421.7	521.3	621.6	721.2
75°	83.9	86.0	88.7	134.4	179.5	225.2	270.2	337.1	404.6	471.5	538.4
77.5°	60.7	60.7	61.4	75.1	88.0	101.7	114.6	156.3	197.9	238.8	280.4
80°	41.6	42.3	42.3	47.8	52.5	58.0	62.8	71.6	79.8	88.7	96.9
82.5°	21.2	19.8	19.1	24.6	30.0	35.5	40.9	43.0	44.4	46.4	47.8
85°	2.0	0.7	0.0	3.4	6.8	10.2	13.6	16.4	19.1	21.8	24.6
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: P597081
 CATALOG NUMBER: MSA-SA3D-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: P597081

CATALOG NUMBER: MSA-SA3D-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°	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4
2.5°	1585.0	1579.6	1574.1	1568.7	1602.1	1636.2	1669.7	1703.1	1797.9	1860.0	1853.2
5°	1766.5	1791.1	1815.7	1840.2	1879.8	1920.1	1959.6	1999.2	2139.8	2225.8	2238.0
7.5°	1647.1	1684.7	1722.9	1760.4	1836.8	1912.6	1989.0	2064.7	2180.0	2269.4	2319.9
10°	1452.7	1495.7	1538.0	1581.0	1666.9	1753.6	1839.6	1925.5	2055.2	2178.7	2242.1
12.5°	1456.8	1524.3	1591.9	1659.4	1734.5	1809.5	1883.9	1959.0	2038.1	2079.7	2169.1
15°	1570.0	1623.3	1676.5	1729.7	1828.0	1926.2	2023.8	2122.0	2169.1	2269.4	2373.8
17.5°	1611.7	1716.1	1819.8	1923.5	2046.3	2168.4	2291.3	2413.4	2502.1	2641.3	2749.1
20°	1534.6	1690.8	1846.4	2002.6	2171.2	2339.7	2508.2	2676.8	2773.7	2906.0	3072.5
22.5°	1538.0	1703.8	1868.9	2034.7	2267.4	2499.4	2732.0	2964.0	3224.0	3479.2	3560.4
25°	1561.8	1778.8	1995.1	2212.1	2480.9	2749.8	3018.6	3287.5	3601.3	3869.5	3977.3
27.5°	1570.0	1814.3	2057.9	2302.2	2684.3	3066.4	3448.5	3830.6	4205.2	4508.1	4623.5
30°	1550.2	1849.1	2147.3	2445.5	2914.2	3383.0	3851.7	4320.5	4676.0	5028.8	5172.0
32.5°	1555.0	1935.8	2316.5	2697.2	3249.2	3801.9	4353.9	4905.9	5133.2	5451.1	5703.6
35°	1587.8	2005.4	2422.3	2839.8	3450.5	4061.2	4671.9	5282.6	5655.1	5990.8	6205.1
37.5°	1664.2	2126.8	2588.8	3051.4	3801.9	4553.2	5303.7	6054.3	6630.9	7207.4	7305.7
40°	1720.8	2209.4	2697.9	3186.5	4057.8	4929.1	5800.5	6671.8	7324.1	7949.8	8016.7
42.5°	1785.0	2319.9	2855.5	3390.5	4364.9	5339.2	6313.6	7287.9	8043.3	8681.3	8725.6
45°	1855.2	2405.9	2955.8	3505.8	4526.6	5546.6	6567.4	7587.5	8469.7	9210.7	9043.6
47.5°	1888.7	2477.5	3066.4	3655.2	4749.7	5843.5	6937.9	8031.7	8823.2	9476.9	9281.7
50°	1914.6	2562.1	3210.4	3857.9	5005.6	6153.2	7300.9	8448.6	9242.1	9845.3	9539.6
52.5°	1987.6	2711.6	3436.2	4160.2	5380.8	6600.8	7821.5	9041.5	9809.1	10363.2	9934.7
55°	2058.6	2892.4	3726.9	4560.7	5873.5	7187.0	8499.8	9812.6	10576.8	11051.7	10469.6
57.5°	2148.0	3067.7	3986.8	4905.9	6310.2	7714.4	9117.9	10522.2	11269.3	11794.0	11189.5
60°	2124.8	3107.3	4090.6	5073.1	6503.3	7933.4	9363.6	10793.7	11681.5	12326.3	11916.2
62.5°	2034.7	3009.1	3982.7	4957.1	6362.0	7766.3	9171.2	10575.4	11639.1	12512.5	12374.7
65°	1852.5	2758.0	3664.1	4569.5	5911.0	7253.1	8594.6	9936.1	11248.9	12360.4	12409.5
67.5°	1613.0	2377.2	3140.8	3905.0	5156.4	6407.7	7658.4	8909.8	10459.4	11755.8	11901.8
70°	1359.2	1933.0	2507.6	3081.4	4182.7	5283.9	6384.5	7485.8	9096.8	10401.4	10677.1
72.5°	1089.7	1458.8	1827.3	2195.7	2990.6	3784.9	4579.8	5374.0	6791.2	7803.8	8284.8
75°	706.2	874.1	1041.9	1209.8	1739.3	2268.1	2797.5	3326.3	4267.3	5013.1	5556.9
77.5°	314.6	348.7	382.1	416.2	824.9	1233.6	1642.4	2051.1	2459.8	2910.1	3037.7
80°	112.6	127.6	143.3	158.3	358.9	560.2	760.8	961.4	1159.3	1391.9	1448.6
82.5°	47.1	47.1	46.4	45.7	117.4	189.0	260.6	332.3	384.2	441.5	452.4
85°	19.1	14.3	8.9	3.4	15.0	27.3	38.9	50.5	81.2	73.7	136.5
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: P597081
 CATALOG NUMBER: MSA-SA3D-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: P597081

CATALOG NUMBER: MSA-SA3D-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4
2.5°	1827.3	1825.9	1824.5	1823.2	1821.8	1797.3	1773.4	1748.8	1724.9	1754.9	1785.0
5°	2218.2	2253.7	2289.2	2325.4	2360.9	2371.1	2381.3	2391.6	2401.8	2423.6	2445.5
7.5°	2362.2	2422.3	2481.6	2541.7	2601.0	2656.3	2710.9	2766.2	2821.4	2807.8	2794.1
10°	2312.4	2420.9	2529.4	2638.6	2747.1	2770.9	2794.8	2819.4	2843.3	2905.4	2967.4
12.5°	2258.5	2388.8	2519.2	2649.5	2779.8	2852.1	2923.8	2996.1	3068.4	3131.2	3194.0
15°	2514.4	2597.6	2680.9	2764.8	2848.0	2911.5	2974.3	3037.7	3100.5	3144.2	3187.2
17.5°	2850.8	2891.7	2932.6	2974.3	3015.2	3065.0	3114.8	3164.6	3214.4	3240.4	3266.3
20°	3206.3	3224.0	3241.7	3259.5	3277.2	3237.6	3198.1	3158.5	3118.9	3143.5	3167.4
22.5°	3563.1	3569.3	3576.1	3582.2	3588.4	3496.2	3404.1	3312.0	3219.9	3181.0	3142.1
25°	4112.4	4067.4	4022.3	3977.3	3932.3	3823.1	3713.9	3604.7	3495.6	3399.4	3303.1
27.5°	4707.4	4554.5	4402.4	4249.5	4097.4	3988.2	3879.0	3769.9	3660.7	3516.0	3371.4
30°	5307.1	5060.8	4815.2	4568.9	4323.2	4193.6	4063.9	3933.6	3804.0	3659.3	3515.4
32.5°	5857.1	5561.0	5264.8	4968.0	4671.9	4453.6	4235.2	4016.9	3798.5	3697.5	3596.6
35°	6312.9	5962.9	5612.8	5262.1	4912.1	4695.8	4479.5	4263.2	4046.9	3896.8	3747.3
37.5°	7092.1	6698.4	6304.7	5911.0	5517.3	5221.9	4927.1	4631.6	4336.2	4235.9	4135.6
40°	7810.6	7314.6	6818.5	6322.4	5826.4	5578.7	5331.7	5084.0	4837.0	4672.6	4508.8
42.5°	8381.7	7859.1	7337.1	6814.4	6291.7	6046.8	5802.5	5557.6	5312.6	5202.7	5093.6
45°	8505.2	8012.6	7520.6	7028.0	6535.3	6392.7	6250.8	6108.2	5966.3	5890.5	5815.5
47.5°	8748.8	8214.5	7681.0	7146.7	6612.4	6548.3	6484.2	6419.3	6355.2	6391.4	6427.5
50°	8885.3	8340.1	7794.9	7249.7	6704.6	6723.0	6740.7	6759.1	6777.6	7034.1	7290.0
52.5°	9150.0	8599.4	8048.7	7498.1	6947.5	7063.5	7178.8	7294.8	7410.1	7763.5	8116.3
55°	9622.9	9081.8	8540.7	7998.9	7457.8	7610.7	7763.5	7917.1	8069.9	8445.2	8819.8
57.5°	10323.6	9786.6	9250.3	8713.3	8177.0	8329.2	8481.3	8633.5	8785.7	9124.8	9463.2
60°	11205.9	10654.5	10103.9	9552.6	9002.0	9059.3	9115.9	9173.2	9230.5	9594.9	9958.6
62.5°	11893.0	11386.0	10879.7	10372.7	9866.5	9803.0	9740.2	9676.8	9614.0	9891.0	10167.4
65°	12052.6	11695.8	11339.6	10982.7	10625.9	10430.7	10236.3	10041.1	9846.0	9957.9	10069.8
67.5°	11595.5	11354.6	11114.4	10873.6	10632.7	10225.4	9818.0	9410.0	9002.6	8943.3	8883.9
70°	10534.5	10402.8	10271.8	10140.1	10009.1	9381.3	8754.3	8126.5	7499.5	7348.7	7197.9
72.5°	8312.8	8394.7	8476.6	8559.1	8641.0	7968.9	7297.5	6625.4	5953.3	5762.3	5571.9
75°	5861.9	6139.6	6417.3	6695.0	6972.7	6360.0	5747.9	5135.2	4522.5	4338.9	4156.1
77.5°	3178.3	3698.9	4219.5	4740.1	5260.7	4755.1	4250.2	3744.6	3239.0	3111.4	2984.5
80°	1506.6	1806.8	2106.3	2406.6	2706.8	2592.8	2478.9	2364.3	2250.3	2278.3	2306.3
82.5°	461.9	678.9	895.9	1112.9	1329.9	1346.9	1363.3	1380.3	1397.4	1439.7	1481.3
85°	154.9	212.2	269.5	326.8	384.2	485.1	586.1	687.8	788.8	723.3	658.4
87.5°	0.0	2.0	3.4	5.5	6.8	21.2	35.5	49.8	64.1	55.3	47.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597081
 CATALOG NUMBER: MSA-SA3D-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: P597081

CATALOG NUMBER: MSA-SA3D-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°	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4
2.5°	1815.7	1845.7	1846.4	1847.7	1848.4	1849.1	1852.5	1855.9	1860.0	1863.4	1840.9
5°	2468.0	2489.8	2449.6	2409.3	2368.4	2328.1	2364.3	2400.4	2436.6	2472.8	2457.1
7.5°	2779.8	2766.2	2761.4	2757.3	2752.5	2748.4	2762.1	2775.7	2789.4	2803.0	2801.6
10°	3029.5	3091.6	3106.6	3121.6	3137.3	3152.4	3121.0	3089.6	3058.2	3026.8	3013.8
12.5°	3256.8	3319.5	3369.3	3419.1	3469.6	3519.4	3474.4	3430.1	3385.0	3340.7	3298.4
15°	3230.8	3273.8	3314.7	3355.7	3396.6	3437.6	3422.6	3408.2	3393.2	3378.2	3371.4
17.5°	3292.9	3318.8	3309.3	3299.7	3289.5	3280.0	3275.2	3271.1	3266.3	3261.5	3245.2
20°	3191.9	3216.5	3210.4	3204.9	3198.8	3192.6	3188.5	3184.4	3180.3	3176.2	3163.3
22.5°	3103.2	3064.3	3054.1	3044.5	3034.3	3024.8	3026.1	3027.5	3028.2	3029.5	3088.2
25°	3206.9	3110.7	3073.2	3035.7	2997.5	2959.9	2977.0	2993.4	3010.4	3027.5	3112.1
27.5°	3226.0	3081.4	3021.3	2961.3	2901.3	2841.2	2902.6	2964.0	3025.4	3086.9	3224.0
30°	3370.7	3226.7	3142.8	3059.6	2975.6	2892.4	2970.9	3049.3	3127.8	3206.3	3355.0
32.5°	3494.9	3393.9	3333.9	3273.8	3213.8	3153.7	3157.1	3159.9	3163.3	3166.7	3376.2
35°	3597.2	3447.8	3393.2	3339.3	3284.7	3230.8	3312.0	3393.2	3474.4	3555.6	3743.9
37.5°	4035.3	3935.0	3834.7	3735.1	3634.8	3535.1	3600.0	3664.8	3730.3	3795.1	4003.2
40°	4344.4	4180.6	4154.7	4129.4	4103.5	4078.3	4111.7	4144.5	4177.9	4211.3	4393.5
42.5°	4983.7	4873.9	4803.6	4734.0	4663.7	4594.1	4620.7	4647.3	4674.6	4701.2	4873.9
45°	5739.7	5664.0	5617.6	5571.2	5524.1	5477.7	5437.5	5397.9	5357.6	5318.1	5493.4
47.5°	6463.7	6499.9	6602.2	6703.9	6806.2	6907.9	6824.6	6741.4	6657.5	6574.2	6574.9
50°	7546.5	7802.4	7854.3	7905.5	7957.3	8008.5	7831.1	7653.7	7475.6	7298.2	7277.0
52.5°	8469.7	8822.5	8840.9	8859.3	8878.5	8896.9	8825.2	8753.6	8681.3	8609.6	8419.2
55°	9195.1	9569.6	9594.9	9619.5	9644.7	9669.3	9606.5	9544.4	9481.6	9418.9	9226.4
57.5°	9802.3	10140.8	10155.8	10170.1	10185.1	10200.1	10204.9	10209.7	10215.1	10219.9	9959.9
60°	10322.9	10687.3	10657.3	10627.9	10597.9	10568.6	10523.5	10478.5	10433.5	10388.4	10220.6
62.5°	10444.4	10721.4	10675.0	10629.3	10582.9	10537.2	10499.0	10461.5	10423.2	10385.0	10277.9
65°	10181.7	10293.6	10245.8	10198.1	10149.6	10101.9	10077.3	10053.4	10028.9	10004.3	9990.6
67.5°	8823.9	8764.5	8821.1	8877.8	8934.4	8991.0	9068.1	9145.2	9223.0	9300.1	9255.1
70°	7046.4	6895.6	6958.4	7020.5	7083.2	7145.3	7262.0	7378.7	7496.1	7612.7	7581.3
72.5°	5380.8	5189.8	5198.7	5207.5	5217.1	5225.9	5222.5	5219.8	5216.4	5213.0	5267.6
75°	3972.5	3789.0	3702.3	3615.7	3529.0	3442.3	3421.2	3400.0	3378.9	3357.7	3459.4
77.5°	2856.9	2730.0	2670.6	2612.0	2552.6	2493.9	2523.9	2554.0	2584.7	2614.7	2650.2
80°	2334.9	2362.9	2317.2	2272.2	2226.4	2180.7	2214.8	2248.3	2282.4	2316.5	2210.7
82.5°	1523.6	1565.3	1424.7	1284.1	1143.6	1003.0	1088.3	1173.6	1259.6	1344.9	1301.2
85°	592.9	528.1	450.3	373.2	295.4	217.7	283.2	348.7	414.2	479.7	523.3
87.5°	38.2	30.0	23.9	17.7	10.9	4.8	10.2	15.7	21.8	27.3	45.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597081
 CATALOG NUMBER: MSA-SA3D-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: P597081

CATALOG NUMBER: MSA-SA3D-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4	1442.4
2.5°	1819.1	1796.6	1774.7	1731.7	1688.8	1645.8	1602.8	1662.8	1722.9	1782.9	1843.0
5°	2442.1	2426.4	2411.3	2415.4	2419.5	2424.3	2428.4	2437.3	2446.1	2454.3	2463.2
7.5°	2801.0	2799.6	2798.2	2766.8	2735.5	2703.4	2672.0	2687.7	2703.4	2719.1	2734.8
10°	3001.6	2988.6	2975.6	2906.7	2837.8	2768.2	2699.3	2669.3	2638.6	2608.5	2578.5
12.5°	3256.1	3213.1	3170.8	3097.1	3024.1	2950.4	2876.7	2849.4	2821.4	2794.1	2766.2
15°	3365.2	3358.4	3352.3	3299.7	3246.5	3194.0	3140.8	3047.3	2953.1	2859.6	2766.2
17.5°	3228.8	3211.7	3195.3	3278.6	3361.1	3444.4	3527.6	3430.7	3333.9	3237.0	3140.1
20°	3150.3	3137.3	3124.4	3279.3	3433.5	3588.4	3742.6	3699.6	3655.9	3612.9	3569.9
22.5°	3146.9	3206.3	3264.9	3400.7	3535.8	3671.6	3806.7	3881.1	3956.1	4030.5	4104.9
25°	3196.7	3282.0	3366.6	3591.8	3816.9	4042.8	4268.0	4353.3	4437.9	4523.2	4607.8
27.5°	3360.5	3497.6	3634.1	3830.6	4027.1	4224.3	4420.8	4607.1	4794.0	4980.3	5166.6
30°	3503.1	3651.8	3800.6	4034.6	4268.0	4502.0	4735.4	4968.7	5202.1	5435.4	5668.8
32.5°	3585.6	3795.8	4005.3	4289.8	4573.6	4858.2	5142.7	5398.6	5654.5	5909.6	6165.5
35°	3932.3	4121.3	4309.6	4624.1	4938.7	5253.9	5568.5	5885.1	6201.7	6517.6	6834.2
37.5°	4211.3	4420.1	4628.2	4972.1	5315.3	5659.2	6003.1	6440.5	6878.5	7315.9	7753.3
40°	4575.7	4757.9	4940.1	5262.1	5583.5	5905.5	6227.6	6782.3	7337.1	7891.1	8445.9
42.5°	5045.8	5218.4	5391.1	5735.6	6080.2	6424.8	6769.4	7383.5	7997.6	8611.0	9225.1
45°	5668.8	5844.8	6020.2	6294.5	6568.8	6843.1	7117.4	7770.3	8422.7	9075.6	9727.9
47.5°	6575.6	6576.3	6577.0	6774.8	6972.7	7171.3	7369.1	8026.9	8684.0	9341.8	9998.8
50°	7255.9	7234.0	7212.9	7315.2	7416.9	7519.3	7621.6	8226.8	8832.7	9438.0	10043.2
52.5°	8229.6	8039.2	7849.5	7910.2	7970.3	8031.0	8091.0	8603.5	9116.6	9629.0	10141.4
55°	9034.7	8842.3	8649.9	8627.4	8604.8	8582.3	8559.8	9031.3	9502.8	9974.3	10445.8
57.5°	9700.7	9440.7	9181.4	9129.5	9078.4	9026.5	8974.7	9472.1	9968.8	10466.2	10963.0
60°	10053.4	9885.6	9717.7	9684.3	9650.2	9616.7	9582.6	9990.6	10398.7	10806.7	11214.7
62.5°	10171.5	10064.3	9957.9	10020.7	10083.4	10146.9	10209.7	10389.1	10567.9	10747.3	10926.1
65°	9977.7	9964.0	9950.4	10079.3	10207.6	10336.6	10465.5	10421.2	10376.2	10331.8	10287.5
67.5°	9210.7	9165.7	9121.4	9404.5	9687.0	9970.2	10253.3	10038.4	9822.8	9607.9	9392.9
70°	7550.0	7517.9	7486.5	7894.5	8302.6	8711.3	9119.3	8858.7	8598.0	8337.4	8076.7
72.5°	5321.5	5376.1	5430.6	5911.7	6392.0	6873.1	7353.4	7090.8	6828.1	6565.4	6302.7
75°	3560.4	3662.1	3763.7	4259.1	4754.5	5250.5	5745.9	5437.5	5129.1	4820.6	4512.2
77.5°	2685.6	2721.1	2756.6	3069.8	3383.0	3696.9	4010.0	3755.5	3500.3	3245.8	2990.6
80°	2105.0	1998.5	1892.8	1995.8	2098.8	2201.9	2304.9	2152.7	2000.6	1849.1	1696.9
82.5°	1257.5	1213.9	1170.2	1226.1	1281.4	1337.4	1393.3	1327.8	1261.6	1196.1	1129.9
85°	566.3	610.0	653.0	709.6	765.6	822.2	878.8	787.4	696.0	604.5	513.1
87.5°	63.5	81.9	100.3	124.2	148.1	171.9	195.8	152.8	109.2	66.2	23.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P597081
 CATALOG NUMBER: MSA-SA3D-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: P597081
 CATALOG NUMBER: MSA-SA3D-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1442.4	1442.4
2.5°	1877.8	1912.6
5°	2462.5	2461.2
7.5°	2693.8	2652.2
10°	2540.3	2502.1
12.5°	2668.6	2571.0
15°	2692.5	2618.8
17.5°	3020.0	2899.2
20°	3415.1	3259.5
22.5°	3892.0	3678.4
25°	4353.9	4100.1
27.5°	5014.4	4861.6
30°	5514.6	5359.7
32.5°	6060.4	5955.4
35°	6729.8	6624.7
37.5°	7780.6	7807.2
40°	8462.2	8478.6
42.5°	9288.5	9352.0
45°	9798.9	9869.9
47.5°	10097.8	10196.7
50°	10202.8	10362.5
52.5°	10338.6	10535.1
55°	10664.8	10883.8
57.5°	11137.6	11312.3
60°	11222.9	11231.1
62.5°	10799.9	10673.7
65°	10153.0	10018.6
67.5°	9311.7	9229.8
70°	7968.9	7861.1
72.5°	6102.1	5901.5
75°	4263.9	4015.5
77.5°	2860.3	2730.0
80°	1701.0	1704.5
82.5°	1161.3	1192.0
85°	507.0	500.1
87.5°	16.4	8.9
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: P597081
CATALOG NUMBER: MSA-SA3D-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)