

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: P596465

Luminaire Tested: **MSA-SA4D-722-U-SLR-HSS**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P596465
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-SA4D-722-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: 14107 lumens
Efficiency: N/A
Efficacy: 54.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

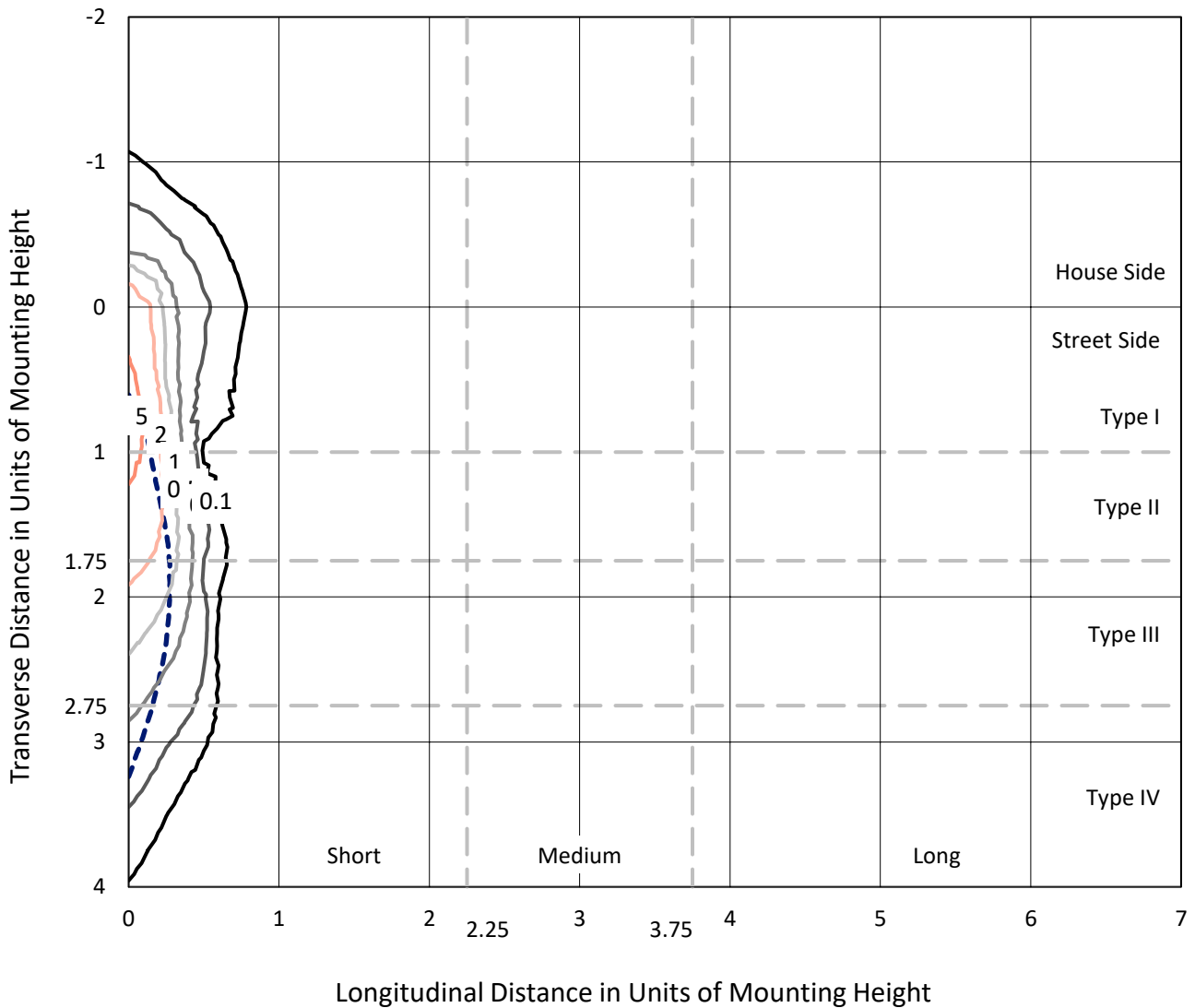
Input Watts (W): 259
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

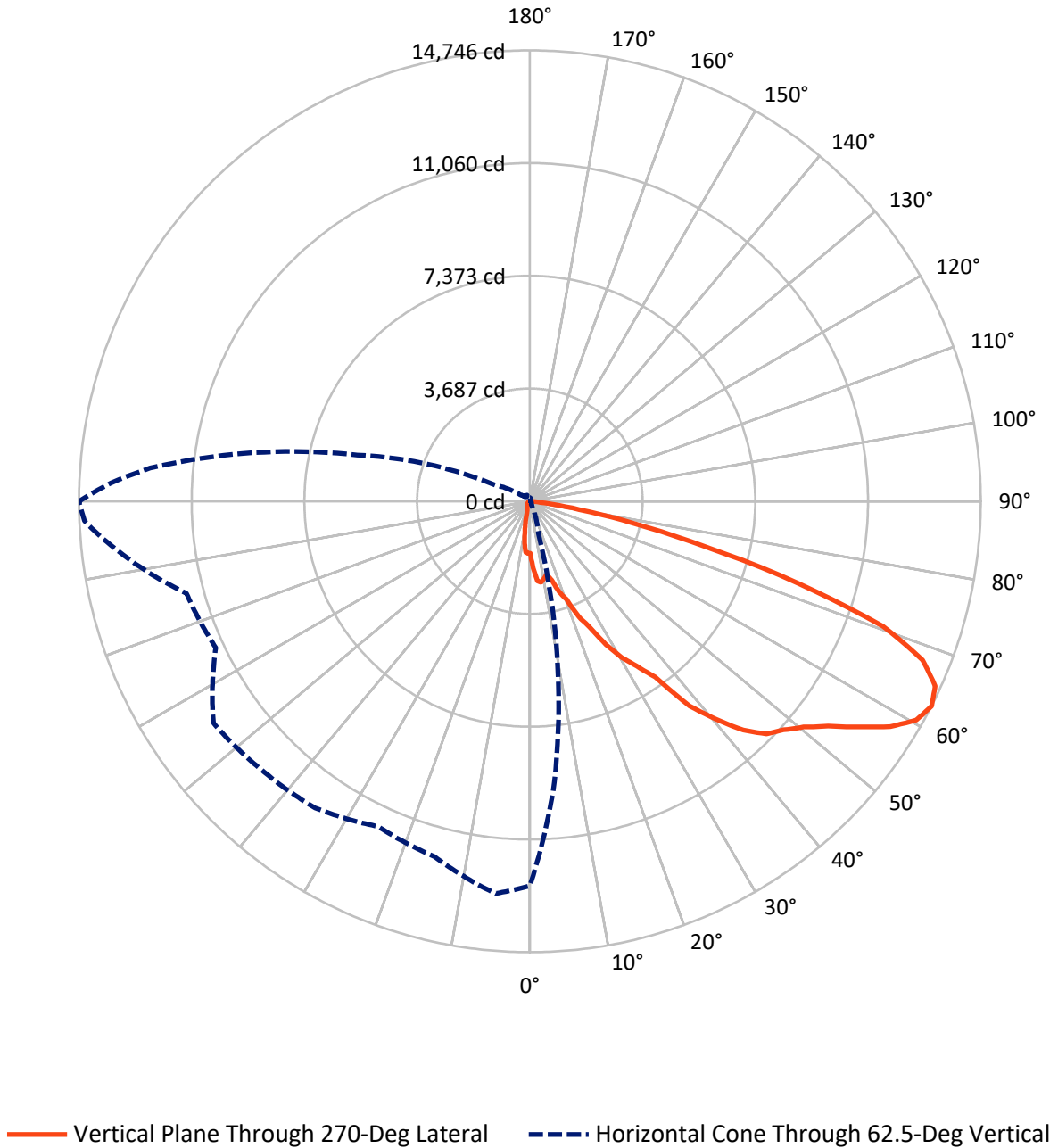
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2355.7	0.0	2355.7
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	11751.3	0.0	11751.3
	% Fixture	83.3	0.0	83.3
Total	Lumens	14107.0	0.0	14107.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.9	1.3
10°-20°	496.1	3.5
20°-30°	801.9	5.7
30°-40°	1343.1	9.5
40°-50°	2195.7	15.6
50°-60°	3250.3	23.0
60°-70°	3731.5	26.5
70°-80°	1845.0	13.1
80°-90°	253.4	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	14107.0	100.0
0°-180°	14107.0	100.0

Coefficient of Utilization

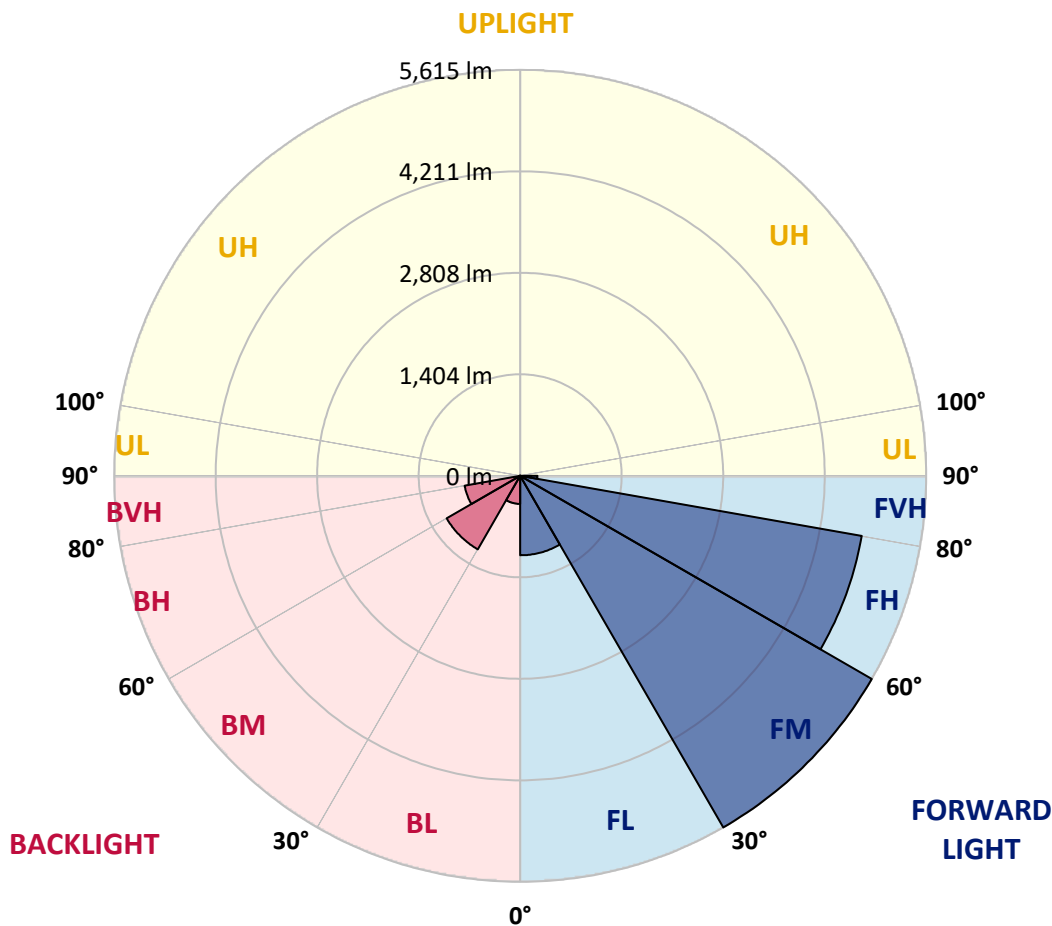


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1099.0	7.8			
FM (30°-60°)	5615.3	39.8			
FH (60°-80°)	4797.0	34.0			G2/5000
FVH (80°-90°)	239.9	1.7			G3/500
BL (0°-30°)	389.0	2.8	B1/500		
BM (30°-60°)	1173.8	8.3	B2/2500		
BH (60°-80°)	779.4	5.5	B2/1000		G2/1000
BVH (80°-90°)	13.5	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-G3
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0
2.5°	2254.0	2282.2	2309.5	2257.2	2205.0	2152.7	2100.4	2053.8	2007.1	1959.7	1913.1
5°	2900.5	2849.1	2797.6	2726.9	2656.1	2585.3	2514.6	2481.6	2448.6	2415.6	2382.7
7.5°	3125.7	3034.0	2941.6	2878.8	2816.9	2754.2	2691.5	2592.6	2492.8	2393.9	2294.2
10°	2948.8	2851.5	2753.4	2698.7	2644.0	2589.3	2534.7	2411.6	2287.8	2164.8	2040.9
12.5°	3030.0	2924.7	2819.3	2706.7	2594.2	2481.6	2369.0	2274.9	2180.0	2085.9	1991.1
15°	3086.3	2965.7	2844.3	2715.6	2586.9	2458.3	2329.6	2218.6	2108.5	1997.5	1886.5
17.5°	3416.8	3243.9	3071.0	2873.2	2675.4	2477.6	2279.7	2151.1	2023.2	1894.6	1765.9
20°	3841.4	3596.1	3350.1	3082.3	2814.5	2546.7	2278.9	2118.9	1958.9	1798.9	1638.8
22.5°	4335.1	4028.8	3721.6	3391.1	3061.4	2730.9	2400.4	2170.4	1940.4	1710.4	1480.4
25°	4832.1	4555.5	4278.8	3834.2	3389.5	2944.0	2499.3	2207.4	1914.7	1622.8	1330.1
27.5°	5729.5	5235.0	4740.4	4174.3	3609.0	3042.9	2476.8	2142.2	1807.7	1472.4	1137.9
30°	6316.5	5936.2	5555.0	4807.2	4060.1	3312.3	2564.4	2140.6	1716.8	1292.3	868.5
32.5°	7018.6	6462.1	5904.8	5093.4	4282.1	3470.7	2659.3	2161.5	1663.0	1165.2	666.6
35°	7807.4	7201.9	6596.4	5568.7	4541.0	3512.5	2484.8	2002.3	1519.8	1037.3	554.9
37.5°	9201.0	8187.8	7174.6	5976.4	4777.4	3579.2	2380.3	1898.6	1416.1	934.4	451.9
40°	9992.3	9024.9	8057.5	6560.2	5062.9	3565.6	2068.3	1640.5	1213.5	785.6	357.8
42.5°	11021.6	9794.5	8566.5	6893.1	5219.7	3546.3	1872.9	1477.2	1081.6	685.1	289.5
45°	11631.9	10241.6	8851.2	7037.9	5224.5	3411.2	1597.8	1255.3	912.7	570.1	227.6
47.5°	12017.1	10622.7	9228.4	7281.5	5335.5	3388.7	1441.8	1126.6	811.4	496.2	180.9
50°	12212.5	10814.1	9414.9	7414.2	5413.5	3412.0	1411.3	1097.7	783.2	469.6	155.2
52.5°	12416.0	11067.4	9718.1	7644.2	5570.3	3496.4	1422.5	1102.5	783.2	463.2	143.1
55°	12826.9	11496.8	10166.0	7973.9	5781.8	3589.7	1397.6	1082.4	767.2	451.1	135.9
57.5°	13331.9	11910.2	10487.6	8215.1	5942.6	3670.1	1397.6	1080.8	763.9	446.3	129.5
60°	13236.2	11693.1	10149.1	7944.1	5739.2	3533.4	1328.4	1026.9	726.1	424.6	123.0
62.5°	12579.2	10904.2	9228.4	7190.7	5152.1	3114.4	1075.9	835.5	595.1	353.8	113.4
65°	11807.2	10029.3	8250.5	6375.3	4499.2	2623.9	747.9	587.0	425.4	264.6	102.9
67.5°	10877.7	8981.5	7085.3	5417.5	3750.5	2082.7	414.9	334.5	254.1	172.9	92.5
70°	9264.5	7307.3	5349.2	4067.4	2786.4	1504.6	222.7	188.2	153.6	119.0	84.4
72.5°	6955.0	5161.8	3368.6	2558.8	1749.8	940.0	130.3	117.4	103.7	90.9	77.2
75°	4732.4	3388.7	2044.9	1556.8	1069.5	581.4	93.3	86.8	79.6	73.2	65.9
77.5°	3217.4	2327.2	1437.0	1096.9	756.7	416.5	76.4	72.4	68.4	63.5	59.5
80°	2008.8	1375.1	741.4	570.9	399.7	229.2	57.9	55.5	53.1	49.9	47.4
82.5°	1404.8	840.3	275.8	215.5	155.2	94.1	33.8	34.6	35.4	35.4	36.2
85°	589.4	318.4	47.4	40.2	33.0	25.7	18.5	20.1	22.5	24.1	25.7
87.5°	10.5	5.6	0.0	1.6	4.0	5.6	7.2	9.6	11.3	13.7	15.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0
2.5°	1925.1	1937.2	1948.4	1960.5	1950.9	1942.0	1932.4	1922.7	1908.2	1894.6	1880.1
5°	2342.5	2302.3	2262.1	2221.8	2160.7	2099.6	2037.7	1976.6	1969.3	1962.1	1954.1
7.5°	2200.1	2106.1	2011.2	1917.1	1828.6	1740.2	1651.7	1563.3	1535.9	1509.4	1482.0
10°	1968.5	1896.2	1823.0	1750.6	1687.1	1622.8	1559.2	1494.9	1428.2	1361.4	1293.9
12.5°	1915.5	1839.9	1763.5	1687.9	1630.0	1572.1	1514.2	1456.3	1381.5	1306.7	1231.9
15°	1804.5	1722.5	1640.5	1558.4	1481.2	1404.0	1326.0	1248.8	1158.8	1068.7	978.6
17.5°	1668.6	1572.1	1474.8	1377.5	1276.2	1174.9	1073.5	972.2	868.5	765.5	661.8
20°	1507.0	1375.1	1242.4	1110.5	985.1	859.6	733.4	607.9	542.8	478.5	413.3
22.5°	1309.9	1138.7	968.2	796.9	694.0	590.2	487.3	383.6	355.4	327.3	299.1
25°	1136.3	942.5	748.7	554.9	489.7	424.6	359.5	294.3	281.5	267.8	254.9
27.5°	955.3	773.6	591.0	408.5	371.5	333.7	296.7	258.9	250.1	242.0	233.2
30°	732.6	596.7	460.0	324.1	299.9	275.8	250.9	226.8	222.7	217.9	213.9
32.5°	567.7	468.0	369.1	269.4	255.7	242.0	228.4	214.7	208.3	201.8	194.6
35°	474.4	394.8	314.4	234.0	224.4	213.9	204.3	193.8	187.4	180.1	173.7
37.5°	393.2	335.3	276.6	217.9	207.5	197.0	185.8	175.3	170.5	165.7	160.8
40°	324.1	290.3	256.5	222.7	207.5	192.2	176.9	161.6	157.6	153.6	149.6
42.5°	267.8	246.1	223.6	201.8	190.6	180.1	168.9	157.6	152.0	145.5	139.9
45°	216.3	204.3	193.0	180.9	181.7	182.5	182.5	183.3	168.9	153.6	139.1
47.5°	175.3	169.7	163.2	157.6	164.0	170.5	176.1	182.5	167.3	152.0	135.9
50°	150.4	146.4	141.5	136.7	143.1	150.4	156.8	163.2	156.8	151.2	144.7
52.5°	137.5	131.9	126.3	120.6	123.0	126.3	128.7	131.1	131.1	131.1	131.1
55°	129.5	123.8	117.4	111.0	108.6	105.3	102.9	99.7	95.7	92.5	88.5
57.5°	123.0	116.6	109.4	102.9	98.9	94.1	90.1	85.2	81.2	76.4	72.4
60°	116.6	110.2	102.9	96.5	92.5	88.5	83.6	79.6	74.8	70.8	65.9
62.5°	107.8	102.1	96.5	90.9	86.8	83.6	79.6	75.6	70.8	65.9	60.3
65°	98.1	94.1	89.3	84.4	80.4	76.4	72.4	68.4	63.5	59.5	54.7
67.5°	89.3	85.2	82.0	78.0	73.2	69.2	64.3	59.5	56.3	53.1	49.1
70°	82.0	78.8	76.4	73.2	68.4	64.3	59.5	54.7	52.3	49.1	46.6
72.5°	74.8	72.4	69.2	66.7	62.7	58.7	54.7	50.7	48.2	45.8	43.4
75°	64.3	62.7	61.1	59.5	55.5	51.5	46.6	42.6	41.8	41.0	40.2
77.5°	57.9	57.1	55.5	53.9	49.9	45.8	41.8	37.8	38.6	39.4	39.4
80°	47.4	47.4	46.6	46.6	43.4	40.2	36.2	33.0	34.6	37.0	38.6
82.5°	36.2	36.2	36.2	36.2	33.0	29.8	26.5	23.3	25.7	27.3	29.8
85°	24.9	24.1	23.3	22.5	20.1	18.5	16.1	13.7	16.9	19.3	22.5
87.5°	15.3	16.1	16.1	16.1	14.5	12.1	10.5	8.0	9.6	10.5	12.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596465
 CATALOG NUMBER: MSA-SA4D-722-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: P596465
 CATALOG NUMBER: MSA-SA4D-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0
2.5°	1865.6	1841.5	1817.4	1792.4	1768.3	1712.0	1655.7	1599.4	1543.2	1585.0	1626.0
5°	1946.8	1900.2	1852.7	1806.1	1758.7	1737.8	1717.7	1696.7	1675.8	1679.1	1683.1
7.5°	1454.7	1424.1	1393.6	1362.2	1331.7	1325.2	1319.6	1313.2	1306.7	1320.4	1333.3
10°	1227.1	1184.5	1141.1	1098.5	1055.0	1031.7	1008.4	985.1	961.8	959.3	956.1
12.5°	1157.2	1092.0	1027.7	962.6	897.4	846.8	796.1	745.4	694.8	698.8	702.8
15°	888.6	823.4	759.1	694.0	628.8	587.8	546.0	505.0	463.2	451.1	439.1
17.5°	558.1	509.8	461.6	412.5	364.3	350.6	337.7	324.1	310.4	306.4	302.4
20°	348.2	327.3	306.4	284.7	263.8	260.5	257.3	254.1	250.9	253.3	255.7
22.5°	271.0	262.2	252.5	243.7	234.0	230.8	227.6	224.4	221.1	223.6	225.2
25°	241.2	234.8	228.4	221.9	215.5	212.3	208.3	205.1	201.0	202.6	205.1
27.5°	224.4	218.7	213.1	207.5	201.8	196.2	191.4	185.8	180.1	183.3	185.8
30°	209.1	202.6	197.0	190.6	184.1	178.5	172.9	166.5	160.8	164.0	167.3
32.5°	188.2	182.5	176.1	170.5	164.0	160.8	157.6	153.6	150.4	152.8	154.4
35°	166.5	161.6	157.6	152.8	148.0	144.7	142.3	139.1	135.9	136.7	138.3
37.5°	156.0	150.4	144.7	139.1	133.5	131.9	130.3	127.9	126.3	126.3	126.3
40°	145.5	139.9	134.3	127.9	122.2	119.8	117.4	115.0	112.6	112.6	112.6
42.5°	133.5	127.9	122.2	116.6	111.0	108.6	105.3	102.9	99.7	99.7	99.7
45°	123.8	118.2	113.4	107.8	102.1	98.1	94.1	89.3	85.2	84.4	83.6
47.5°	120.6	112.6	104.5	96.5	88.5	84.4	80.4	75.6	71.6	70.8	70.0
50°	138.3	122.2	106.1	90.1	74.0	70.8	67.5	64.3	61.1	59.5	58.7
52.5°	131.1	114.2	97.3	80.4	63.5	61.1	58.7	56.3	53.9	52.3	50.7
55°	84.4	77.2	70.8	63.5	56.3	54.7	53.1	50.7	49.1	47.4	45.8
57.5°	67.5	63.5	60.3	56.3	52.3	50.7	49.1	46.6	45.0	42.6	41.0
60°	61.1	57.9	54.7	51.5	48.2	46.6	45.0	43.4	41.8	39.4	37.8
62.5°	55.5	53.1	50.7	48.2	45.8	44.2	42.6	41.0	39.4	37.0	34.6
65°	49.9	48.2	46.6	45.0	43.4	41.8	40.2	37.8	36.2	33.8	31.4
67.5°	45.8	45.0	44.2	43.4	42.6	41.0	38.6	37.0	34.6	32.2	28.9
70°	43.4	43.4	43.4	42.6	42.6	41.0	38.6	37.0	34.6	31.4	28.9
72.5°	41.0	41.8	42.6	42.6	43.4	41.0	38.6	36.2	33.8	30.6	28.1
75°	39.4	40.2	41.0	41.0	41.8	40.2	38.6	36.2	34.6	31.4	28.1
77.5°	40.2	41.0	41.0	41.8	41.8	40.2	38.6	36.2	34.6	30.6	26.5
80°	40.2	39.4	38.6	37.0	36.2	33.0	29.8	25.7	22.5	17.7	13.7
82.5°	31.4	29.8	28.9	27.3	25.7	22.5	19.3	16.1	12.9	9.6	6.4
85°	24.9	23.3	22.5	20.9	19.3	16.9	13.7	11.3	8.0	6.4	4.0
87.5°	12.9	12.1	10.5	9.6	8.0	6.4	4.0	2.4	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: P596465
 CATALOG NUMBER: MSA-SA4D-722-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: P596465

CATALOG NUMBER: MSA-SA4D-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0
2.5°	1667.8	1708.8	1703.2	1697.5	1724.1	1750.6	1731.3	1712.8	1693.5	1674.2	1634.0
5°	1686.3	1689.5	1683.9	1677.4	1678.2	1679.1	1666.2	1653.3	1640.5	1627.6	1625.2
7.5°	1346.9	1359.8	1377.5	1394.4	1395.2	1395.2	1385.5	1375.9	1365.4	1355.8	1360.6
10°	953.7	950.5	955.3	960.1	959.3	957.7	983.5	1009.2	1034.1	1059.9	1041.4
12.5°	706.0	710.1	690.0	669.9	677.1	683.5	687.5	691.6	695.6	699.6	710.9
15°	427.0	414.9	400.5	386.0	393.2	399.7	406.9	413.3	420.6	427.0	434.2
17.5°	297.5	293.5	287.1	279.8	280.6	281.5	282.3	283.1	283.1	283.9	285.5
20°	258.1	260.5	255.7	250.1	248.5	246.1	244.5	242.9	240.4	238.8	236.4
22.5°	227.6	229.2	230.0	230.0	226.8	222.7	219.5	217.1	213.9	210.7	209.1
25°	206.7	208.3	206.7	204.3	202.6	201.0	199.4	197.0	195.4	193.0	192.2
27.5°	189.0	191.4	191.4	190.6	189.0	186.6	182.5	179.3	175.3	171.3	172.1
30°	170.5	173.7	173.7	172.9	172.1	171.3	167.3	163.2	159.2	155.2	156.8
32.5°	156.8	158.4	157.6	156.8	156.8	156.0	152.8	150.4	147.2	143.9	143.9
35°	139.1	139.9	139.9	139.9	139.9	139.1	136.7	134.3	131.9	129.5	130.3
37.5°	126.3	126.3	128.7	130.3	128.7	127.1	125.4	123.0	121.4	119.0	119.0
40°	111.8	111.8	114.2	115.8	114.2	112.6	111.8	110.2	109.4	107.8	107.8
42.5°	98.9	98.9	101.3	102.9	102.9	102.1	100.5	98.9	97.3	95.7	96.5
45°	82.8	82.0	86.0	89.3	87.7	86.0	86.0	85.2	85.2	84.4	85.2
47.5°	68.4	67.5	70.8	74.0	73.2	71.6	71.6	71.6	71.6	71.6	72.4
50°	57.1	55.5	58.7	61.1	60.3	58.7	58.7	59.5	59.5	59.5	60.3
52.5°	49.1	47.4	49.9	51.5	50.7	49.9	49.9	50.7	50.7	50.7	51.5
55°	43.4	41.8	44.2	45.8	45.0	43.4	44.2	44.2	45.0	45.0	45.0
57.5°	38.6	36.2	37.8	39.4	39.4	38.6	39.4	39.4	40.2	40.2	40.2
60°	35.4	33.0	34.6	35.4	35.4	34.6	35.4	35.4	36.2	36.2	36.2
62.5°	31.4	28.9	30.6	31.4	31.4	30.6	31.4	31.4	32.2	32.2	32.2
65°	28.1	25.7	26.5	27.3	27.3	27.3	28.1	28.1	28.9	28.9	28.9
67.5°	26.5	23.3	24.1	24.9	24.9	24.9	25.7	25.7	26.5	26.5	27.3
70°	25.7	22.5	23.3	23.3	24.1	24.1	24.1	24.9	24.9	24.9	24.9
72.5°	24.9	21.7	21.7	21.7	22.5	22.5	22.5	23.3	23.3	23.3	23.3
75°	24.9	21.7	20.9	20.1	20.9	20.9	20.9	21.7	21.7	21.7	21.7
77.5°	21.7	17.7	16.1	13.7	16.1	17.7	18.5	18.5	19.3	19.3	19.3
80°	8.8	4.0	2.4	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.6
82.5°	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.4	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: P596465
 CATALOG NUMBER: MSA-SA4D-722-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: P596465
 CATALOG NUMBER: MSA-SA4D-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0
2.5°	1593.8	1553.6	1513.4	1532.7	1552.0	1571.3	1590.6	1589.0	1586.6	1585.0	1582.6
5°	1623.6	1621.2	1618.7	1607.5	1597.0	1585.8	1574.5	1572.1	1568.9	1566.5	1563.3
7.5°	1365.4	1369.5	1374.3	1361.4	1348.5	1335.7	1322.8	1289.8	1256.9	1223.1	1190.1
10°	1022.9	1003.6	985.1	983.5	981.9	980.3	978.6	975.4	972.2	968.2	965.0
12.5°	722.9	734.2	745.4	741.4	737.4	732.6	728.6	734.2	740.6	746.2	751.9
15°	440.7	447.9	454.3	468.8	483.3	497.8	512.2	517.9	524.3	529.9	535.6
17.5°	287.1	287.9	289.5	305.6	320.9	336.9	352.2	362.7	373.1	382.8	393.2
20°	234.0	231.6	229.2	238.0	246.9	255.7	264.6	274.2	283.9	293.5	303.2
22.5°	208.3	206.7	205.1	208.3	211.5	213.9	217.1	224.4	232.4	239.6	246.9
25°	191.4	189.8	189.0	190.6	192.2	193.8	195.4	199.4	203.4	207.5	211.5
27.5°	172.1	172.9	172.9	174.5	175.3	176.9	177.7	179.3	181.7	183.3	185.0
30°	157.6	159.2	160.0	161.6	162.4	164.0	164.8	164.0	163.2	162.4	161.6
32.5°	143.9	143.1	143.1	144.7	145.5	147.2	148.0	149.6	151.2	152.0	153.6
35°	130.3	131.1	131.1	131.1	131.9	131.9	131.9	133.5	135.9	137.5	139.1
37.5°	118.2	118.2	117.4	119.8	121.4	123.8	125.4	127.1	129.5	131.1	132.7
40°	107.8	107.8	107.8	109.4	111.0	111.8	113.4	117.4	121.4	125.4	129.5
42.5°	96.5	97.3	97.3	98.9	100.5	101.3	102.9	106.1	108.6	111.8	114.2
45°	86.0	86.8	87.7	89.3	90.1	91.7	92.5	94.1	94.9	96.5	97.3
47.5°	74.0	74.8	75.6	77.2	78.0	79.6	80.4	79.6	79.6	78.8	78.0
50°	61.9	62.7	63.5	65.9	67.5	70.0	71.6	70.0	68.4	65.9	64.3
52.5°	52.3	52.3	53.1	54.7	56.3	57.1	58.7	57.9	57.1	56.3	55.5
55°	45.0	45.0	45.0	45.8	46.6	47.4	48.2	49.1	49.1	49.9	49.9
57.5°	40.2	39.4	39.4	40.2	41.0	41.0	41.8	42.6	42.6	43.4	43.4
60°	36.2	35.4	35.4	36.2	37.0	37.8	38.6	38.6	38.6	37.8	37.8
62.5°	32.2	32.2	32.2	33.0	33.0	33.8	33.8	33.8	34.6	34.6	34.6
65°	29.8	29.8	29.8	29.8	29.8	28.9	28.9	29.8	29.8	30.6	30.6
67.5°	27.3	28.1	28.1	27.3	26.5	25.7	24.9	25.7	25.7	26.5	26.5
70°	24.9	24.9	24.9	24.1	23.3	22.5	21.7	21.7	21.7	20.9	20.9
72.5°	23.3	22.5	22.5	21.7	20.1	19.3	17.7	16.9	16.9	16.1	15.3
75°	21.7	20.9	20.9	19.3	17.7	16.1	14.5	13.7	12.1	11.3	9.6
77.5°	19.3	19.3	19.3	16.9	15.3	12.9	10.5	8.8	7.2	4.8	3.2
80°	6.4	7.2	8.0	7.2	7.2	6.4	5.6	4.0	3.2	1.6	0.0
82.5°	0.8	0.8	0.8	0.8	0.8	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: P596465
 CATALOG NUMBER: MSA-SA4D-722-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: P596465
 CATALOG NUMBER: MSA-SA4D-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0
2.5°	1591.4	1600.2	1609.1	1617.9	1618.7	1619.5	1620.3	1621.2	1601.0	1580.1	1560.0
5°	1579.3	1596.2	1612.3	1628.4	1619.5	1610.7	1601.9	1593.0	1592.2	1592.2	1591.4
7.5°	1192.5	1194.2	1196.6	1198.2	1201.4	1204.6	1207.0	1210.2	1223.1	1236.0	1248.0
10°	954.5	944.1	932.8	922.4	914.3	905.5	897.4	888.6	895.0	902.2	908.7
12.5°	743.0	734.2	724.5	715.7	712.5	709.3	705.2	702.0	722.9	743.8	763.9
15°	534.0	532.3	529.9	528.3	538.8	549.2	559.7	570.1	587.8	604.7	622.4
17.5°	397.2	401.3	405.3	409.3	415.7	422.2	427.8	434.2	447.1	460.8	473.6
20°	308.0	313.6	318.4	323.3	321.7	320.0	317.6	316.0	326.5	336.9	346.6
22.5°	251.7	255.7	260.5	264.6	265.4	266.2	267.0	267.8	274.2	279.8	286.3
25°	215.5	220.3	224.4	228.4	229.2	230.0	230.8	231.6	239.6	247.7	254.9
27.5°	190.6	195.4	201.0	205.9	207.5	209.1	210.7	212.3	217.1	221.1	226.0
30°	168.1	174.5	180.9	187.4	189.8	192.2	194.6	197.0	201.8	207.5	212.3
32.5°	156.8	160.8	164.0	167.3	172.9	177.7	183.3	188.2	193.8	200.2	205.9
35°	143.9	148.0	152.8	156.8	160.8	164.8	168.1	172.1	175.3	178.5	180.9
37.5°	135.9	139.9	143.1	146.4	148.0	149.6	150.4	152.0	153.6	155.2	156.0
40°	129.5	128.7	128.7	127.9	129.5	131.9	133.5	135.1	139.9	143.9	148.8
42.5°	112.6	110.2	108.6	106.1	110.2	113.4	117.4	120.6	127.1	133.5	139.9
45°	95.7	94.1	91.7	90.1	95.7	101.3	107.0	112.6	119.8	126.3	133.5
47.5°	78.8	79.6	79.6	80.4	86.0	91.7	96.5	102.1	109.4	116.6	123.8
50°	65.9	67.5	69.2	70.8	76.4	81.2	86.8	91.7	99.7	107.0	115.0
52.5°	57.9	60.3	61.9	64.3	69.2	74.8	79.6	84.4	91.7	98.9	106.1
55°	52.3	55.5	57.9	60.3	64.3	68.4	72.4	76.4	83.6	90.9	97.3
57.5°	45.8	48.2	50.7	53.1	57.1	61.1	64.3	68.4	74.8	82.0	88.5
60°	40.2	41.8	44.2	45.8	49.1	53.1	56.3	59.5	65.9	72.4	78.0
62.5°	35.4	37.0	37.8	38.6	41.8	45.0	48.2	51.5	57.1	63.5	69.2
65°	31.4	32.2	32.2	33.0	35.4	38.6	41.0	43.4	49.9	55.5	61.9
67.5°	26.5	27.3	27.3	27.3	29.8	32.2	34.6	37.0	42.6	49.1	54.7
70°	20.9	21.7	21.7	21.7	24.1	27.3	29.8	32.2	37.0	41.8	46.6
72.5°	16.1	16.1	16.9	16.9	19.3	22.5	24.9	27.3	31.4	35.4	39.4
75°	10.5	11.3	11.3	12.1	14.5	17.7	20.1	22.5	26.5	30.6	33.8
77.5°	4.0	5.6	6.4	7.2	9.6	12.1	14.5	16.9	20.1	24.1	27.3
80°	0.0	0.8	0.8	0.8	2.4	3.2	4.8	5.6	8.0	11.3	13.7
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: P596465
 CATALOG NUMBER: MSA-SA4D-722-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: P596465
 CATALOG NUMBER: MSA-SA4D-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0
2.5°	1539.1	1583.4	1627.6	1671.8	1716.0	1770.7	1825.4	1833.4	1841.5	1831.8	1823.0
5°	1590.6	1612.3	1633.2	1654.9	1675.8	1738.6	1800.5	1801.3	1801.3	1802.1	1802.1
7.5°	1260.9	1279.4	1297.9	1315.6	1334.1	1375.1	1416.1	1431.4	1445.9	1442.6	1439.4
10°	915.1	939.2	962.6	986.7	1010.0	1047.8	1085.6	1100.1	1113.7	1158.0	1203.0
12.5°	784.8	808.2	831.5	854.0	877.3	915.9	954.5	982.7	1010.0	1037.3	1064.7
15°	639.3	657.8	677.1	695.6	714.1	731.8	749.5	784.0	817.8	845.2	872.5
17.5°	486.5	494.5	501.8	509.8	517.1	525.1	533.1	547.6	561.3	585.4	608.7
20°	357.0	363.5	369.9	375.5	382.0	390.0	398.1	408.5	418.2	423.8	428.6
22.5°	291.9	301.6	311.2	320.0	329.7	335.3	341.0	344.2	347.4	349.8	352.2
25°	263.0	271.8	279.8	288.7	296.7	299.1	301.6	308.0	314.4	314.4	314.4
27.5°	230.0	242.0	254.9	267.0	279.0	282.3	284.7	287.1	288.7	285.5	281.5
30°	217.1	229.2	241.2	252.5	264.6	269.4	273.4	275.8	278.2	274.2	270.2
32.5°	211.5	222.7	233.2	244.5	254.9	261.3	267.0	273.4	279.0	279.8	281.5
35°	184.1	191.4	199.4	206.7	213.9	217.1	220.3	222.7	224.4	224.4	224.4
37.5°	157.6	167.3	177.7	187.4	197.0	204.3	211.5	212.3	212.3	213.9	216.3
40°	152.8	162.4	172.1	180.9	190.6	198.6	205.9	206.7	207.5	209.1	210.7
42.5°	146.4	156.8	167.3	177.7	188.2	196.2	203.4	203.4	202.6	205.1	206.7
45°	139.9	150.4	160.0	170.5	180.1	190.6	200.2	197.8	194.6	198.6	201.8
47.5°	131.1	142.3	153.6	164.0	175.3	185.0	193.8	192.2	189.8	193.8	197.8
50°	122.2	133.5	144.7	156.0	167.3	177.7	187.4	185.8	184.1	189.0	193.0
52.5°	113.4	124.6	136.7	148.0	159.2	168.1	176.1	175.3	174.5	179.3	185.0
55°	104.5	115.0	126.3	136.7	147.2	156.8	165.7	164.0	162.4	166.5	170.5
57.5°	94.9	105.3	115.0	125.4	135.1	143.1	150.4	148.0	145.5	150.4	155.2
60°	84.4	94.1	103.7	112.6	122.2	128.7	134.3	132.7	130.3	135.1	139.9
62.5°	74.8	83.6	92.5	100.5	109.4	114.2	119.0	117.4	115.8	120.6	126.3
65°	67.5	74.8	81.2	88.5	94.9	99.7	104.5	102.1	99.7	105.3	110.2
67.5°	60.3	65.9	72.4	78.0	83.6	87.7	91.7	90.1	87.7	91.7	95.7
70°	51.5	57.1	62.7	67.5	73.2	77.2	81.2	78.8	75.6	79.6	83.6
72.5°	43.4	48.2	53.1	57.1	61.9	65.1	68.4	65.9	63.5	66.7	70.0
75°	37.8	41.8	45.8	49.1	53.1	54.7	56.3	55.5	53.9	57.1	59.5
77.5°	30.6	33.8	37.8	41.0	44.2	44.2	44.2	45.0	45.0	48.2	52.3
80°	16.1	19.3	22.5	24.9	28.1	28.1	27.3	28.9	29.8	33.8	37.8
82.5°	0.0	2.4	4.8	7.2	9.6	8.8	7.2	8.0	8.0	9.6	11.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6
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: P596465
 CATALOG NUMBER: MSA-SA4D-722-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: P596465

CATALOG NUMBER: MSA-SA4D-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0
2.5°	1813.3	1803.7	1797.3	1791.6	1785.2	1778.8	1786.8	1794.8	1802.1	1810.1	1834.3
5°	1802.9	1802.9	1797.3	1791.6	1786.0	1780.4	1792.4	1803.7	1815.8	1827.0	1826.2
7.5°	1435.4	1432.2	1466.0	1498.9	1532.7	1565.7	1574.5	1583.4	1591.4	1600.2	1597.8
10°	1247.2	1291.5	1305.9	1320.4	1334.9	1349.4	1367.0	1384.7	1402.4	1420.1	1426.6
12.5°	1092.0	1119.4	1166.0	1211.8	1258.5	1304.3	1327.6	1351.8	1375.1	1398.4	1444.2
15°	899.8	927.2	967.4	1007.6	1047.8	1088.0	1125.0	1162.8	1199.8	1236.8	1292.3
17.5°	632.9	656.2	686.7	717.3	747.0	777.6	834.7	891.8	948.9	1006.0	1064.7
20°	434.2	439.1	453.5	468.8	483.3	497.8	549.2	601.5	653.0	704.4	781.6
22.5°	353.8	356.2	363.5	370.7	377.1	384.4	410.9	438.3	464.8	491.3	554.1
25°	313.6	313.6	318.4	323.3	328.1	332.9	347.4	361.9	375.5	390.0	430.2
27.5°	278.2	274.2	281.5	288.7	295.9	303.2	313.6	324.9	335.3	345.8	373.1
30°	266.2	262.2	271.0	279.8	288.7	297.5	308.0	318.4	328.1	338.5	357.0
32.5°	282.3	283.1	286.3	289.5	291.9	295.1	299.9	305.6	310.4	315.2	331.3
35°	224.4	224.4	230.0	235.6	240.4	246.1	254.9	263.8	272.6	281.5	298.3
37.5°	217.9	219.5	224.4	230.0	234.8	239.6	250.9	263.0	274.2	285.5	299.1
40°	211.5	213.1	219.5	226.0	232.4	238.8	250.1	260.5	271.8	282.3	295.1
42.5°	209.1	210.7	218.7	227.6	235.6	243.7	253.3	263.0	271.8	281.5	299.1
45°	205.9	209.1	218.7	229.2	238.8	248.5	257.3	266.2	275.0	283.9	305.6
47.5°	201.0	205.1	216.3	226.8	238.0	248.5	265.4	283.1	299.9	316.8	327.3
50°	197.8	201.8	213.9	226.0	238.0	250.1	277.4	304.8	331.3	358.6	353.0
52.5°	189.8	194.6	209.9	225.2	240.4	255.7	279.8	304.0	328.1	352.2	341.0
55°	174.5	178.5	196.2	213.9	230.8	248.5	266.2	283.9	300.7	318.4	305.6
57.5°	159.2	164.0	180.9	197.8	213.9	230.8	239.6	248.5	257.3	266.2	261.3
60°	144.7	149.6	172.1	194.6	217.1	239.6	231.6	223.6	214.7	206.7	212.3
62.5°	131.1	135.9	157.6	178.5	200.2	221.1	209.9	198.6	187.4	176.1	185.0
65°	115.8	120.6	128.7	137.5	145.5	153.6	152.8	151.2	150.4	148.8	158.4
67.5°	99.7	103.7	107.8	112.6	116.6	120.6	123.0	126.3	128.7	131.1	139.1
70°	86.8	90.9	95.7	99.7	104.5	108.6	110.2	111.8	112.6	114.2	121.4
72.5°	72.4	75.6	82.0	88.5	94.1	100.5	101.3	101.3	102.1	102.1	107.8
75°	62.7	65.1	70.0	74.8	78.8	83.6	86.0	88.5	90.1	92.5	95.7
77.5°	55.5	58.7	60.3	61.1	62.7	63.5	65.1	66.7	68.4	70.0	70.8
80°	41.0	45.0	46.6	47.4	49.1	49.9	49.9	49.1	49.1	48.2	49.1
82.5°	12.9	14.5	16.9	19.3	21.7	24.1	24.9	25.7	25.7	26.5	25.7
85°	2.4	3.2	4.8	6.4	7.2	8.8	8.0	6.4	5.6	4.0	3.2
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: P596465
 CATALOG NUMBER: MSA-SA4D-722-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: P596465

CATALOG NUMBER: MSA-SA4D-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0
2.5°	1858.4	1881.7	1905.8	1896.2	1886.5	1876.9	1867.2	1868.8	1871.2	1872.9	1874.5
5°	1825.4	1823.8	1823.0	1850.3	1878.5	1905.8	1933.2	1962.9	1993.5	2023.2	2053.0
7.5°	1595.4	1592.2	1589.8	1625.2	1660.6	1695.9	1731.3	1772.3	1814.1	1855.2	1896.2
10°	1433.0	1439.4	1445.9	1460.3	1475.6	1490.1	1504.6	1544.0	1583.4	1622.0	1661.4
12.5°	1490.1	1535.1	1580.9	1589.8	1597.8	1606.7	1614.7	1620.3	1626.0	1631.6	1637.2
15°	1348.5	1404.0	1459.5	1482.8	1505.4	1528.7	1551.2	1610.7	1669.4	1728.9	1787.6
17.5°	1123.4	1181.3	1240.0	1309.9	1379.9	1449.9	1519.8	1584.2	1648.5	1712.8	1777.2
20°	859.6	936.8	1014.0	1102.5	1191.7	1280.2	1368.7	1433.0	1496.5	1560.8	1624.4
22.5°	617.6	680.3	743.0	850.0	956.1	1063.1	1169.2	1281.0	1393.6	1505.4	1617.1
25°	470.4	509.8	550.0	655.4	760.7	865.3	970.6	1124.2	1277.8	1431.4	1585.0
27.5°	399.7	427.0	453.5	548.4	643.3	737.4	832.3	1014.8	1197.4	1379.9	1562.5
30°	376.3	394.8	413.3	493.7	575.0	655.4	735.8	920.7	1105.7	1290.7	1475.6
32.5°	347.4	362.7	378.8	449.5	520.3	590.2	661.0	841.9	1022.9	1203.0	1383.9
35°	314.4	331.3	347.4	418.2	488.9	558.9	629.6	817.0	1004.4	1191.7	1379.1
37.5°	312.0	325.7	338.5	420.6	503.4	585.4	667.4	854.8	1042.2	1228.7	1416.1
40°	308.8	321.7	334.5	418.2	501.0	584.6	667.4	863.7	1059.9	1256.1	1452.3
42.5°	316.8	333.7	351.4	425.4	499.4	572.6	646.5	853.2	1059.9	1265.7	1472.4
45°	328.1	349.8	371.5	439.1	506.6	574.2	641.7	866.1	1090.4	1314.0	1538.3
47.5°	338.5	349.0	359.5	423.8	487.3	551.6	615.2	844.4	1073.5	1302.7	1531.9
50°	348.2	342.6	336.9	407.7	478.5	548.4	619.2	837.9	1055.8	1274.6	1492.5
52.5°	328.9	317.6	305.6	381.2	456.8	531.5	607.1	827.5	1047.8	1268.1	1488.5
55°	292.7	279.8	267.0	341.8	415.7	490.5	564.5	784.0	1003.6	1223.1	1442.6
57.5°	255.7	250.9	245.3	302.4	359.5	415.7	472.8	716.5	961.0	1204.6	1448.3
60°	217.9	222.7	228.4	269.4	310.4	350.6	391.6	630.4	868.5	1107.3	1345.3
62.5°	193.0	201.8	209.9	244.5	279.8	314.4	349.0	574.2	799.3	1024.5	1249.6
65°	168.9	178.5	188.2	229.2	271.0	312.0	353.0	543.6	734.2	924.8	1115.3
67.5°	147.2	154.4	162.4	216.3	270.2	324.1	377.9	534.0	689.2	845.2	1000.4
70°	128.7	135.1	142.3	205.1	267.8	330.5	393.2	525.9	659.4	792.1	924.8
72.5°	113.4	119.0	124.6	188.2	251.7	315.2	378.8	497.0	614.4	732.6	850.0
75°	98.9	101.3	104.5	158.4	211.5	265.4	318.4	397.2	476.9	555.7	634.5
77.5°	71.6	71.6	72.4	88.5	103.7	119.8	135.1	184.1	233.2	281.5	330.5
80°	49.1	49.9	49.9	56.3	61.9	68.4	74.0	84.4	94.1	104.5	114.2
82.5°	24.9	23.3	22.5	28.9	35.4	41.8	48.2	50.7	52.3	54.7	56.3
85°	2.4	0.8	0.0	4.0	8.0	12.1	16.1	19.3	22.5	25.7	28.9
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: P596465
 CATALOG NUMBER: MSA-SA4D-722-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: P596465

CATALOG NUMBER: MSA-SA4D-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0
2.5°	1868.0	1861.6	1855.2	1848.7	1888.1	1928.3	1967.7	2007.1	2118.9	2192.1	2184.1
5°	2081.9	2110.9	2139.8	2168.8	2215.4	2262.9	2309.5	2356.1	2521.8	2623.1	2637.6
7.5°	1941.2	1985.4	2030.5	2074.7	2164.8	2254.0	2344.1	2433.3	2569.2	2674.6	2734.1
10°	1712.0	1762.7	1812.5	1863.2	1964.5	2066.6	2168.0	2269.3	2422.1	2567.6	2642.4
12.5°	1716.8	1796.5	1876.1	1955.7	2044.1	2132.6	2220.2	2308.7	2402.0	2451.0	2556.4
15°	1850.3	1913.1	1975.8	2038.5	2154.3	2270.1	2385.1	2500.9	2556.4	2674.6	2797.6
17.5°	1899.4	2022.4	2144.7	2266.9	2411.6	2555.6	2700.3	2844.3	2948.8	3112.8	3239.9
20°	1808.5	1992.7	2176.0	2360.2	2558.8	2757.4	2956.0	3154.7	3268.8	3424.8	3621.1
22.5°	1812.5	2007.9	2202.5	2398.0	2672.2	2945.6	3219.8	3493.2	3799.6	4100.3	4196.0
25°	1840.7	2096.4	2351.3	2607.0	2923.9	3240.7	3557.5	3874.4	4244.3	4560.3	4687.4
27.5°	1850.3	2138.2	2425.3	2713.2	3163.5	3613.8	4064.1	4514.5	4955.9	5313.0	5448.9
30°	1827.0	2179.2	2530.6	2882.1	3434.5	3986.9	4539.4	5091.8	5510.8	5926.5	6095.4
32.5°	1832.6	2281.4	2730.1	3178.8	3829.3	4480.7	5131.2	5781.8	6049.6	6424.3	6721.8
35°	1871.2	2363.4	2854.7	3346.8	4066.6	4786.3	5506.0	6225.7	6664.7	7060.4	7312.9
37.5°	1961.3	2506.5	3050.9	3596.1	4480.7	5366.1	6250.6	7135.2	7814.7	8494.2	8610.0
40°	2028.1	2603.8	3179.6	3755.4	4782.2	5809.1	6836.0	7862.9	8631.7	9369.1	9447.9
42.5°	2103.6	2734.1	3365.3	3995.8	5144.1	6292.4	7440.7	8589.1	9479.2	10231.1	10283.4
45°	2186.5	2835.4	3483.6	4131.7	5334.7	6536.9	7739.9	8942.1	9981.8	10855.1	10658.1
47.5°	2225.9	2919.8	3613.8	4307.8	5597.6	6886.7	8176.5	9465.6	10398.4	11168.8	10938.8
50°	2256.4	3019.6	3783.5	4546.6	5899.2	7251.8	8604.3	9956.9	10892.1	11603.0	11242.7
52.5°	2342.5	3195.7	4049.7	4902.9	6341.5	7779.3	9217.9	10655.7	11560.4	12213.3	11708.3
55°	2426.1	3408.8	4392.2	5374.9	6922.1	8470.0	10017.2	11564.4	12465.0	13024.7	12338.8
57.5°	2531.4	3615.4	4698.6	5781.8	7436.7	9091.6	10745.8	12400.7	13281.2	13899.6	13187.2
60°	2504.1	3662.1	4820.8	5978.8	7664.3	9349.8	11035.3	12720.7	13766.9	14526.9	14043.6
62.5°	2398.0	3546.3	4693.8	5842.1	7497.8	9152.8	10808.5	12463.4	13717.1	14746.4	14583.9
65°	2183.2	3250.3	4318.3	5385.3	6966.3	8548.0	10129.0	11709.9	13257.1	14567.1	14625.0
67.5°	1901.0	2801.6	3701.5	4602.1	6076.9	7551.7	9025.7	10500.5	12326.7	13854.6	14026.7
70°	1601.9	2278.1	2955.2	3631.5	4929.4	6227.3	7524.4	8822.3	10720.8	12258.4	12583.2
72.5°	1284.2	1719.3	2153.5	2587.7	3524.6	4460.6	5397.4	6333.4	8003.6	9197.0	9763.9
75°	832.3	1030.1	1227.9	1425.7	2049.8	2673.0	3297.0	3920.2	5029.1	5908.0	6548.9
77.5°	370.7	410.9	450.3	490.5	972.2	1453.9	1935.6	2417.3	2898.9	3429.7	3580.0
80°	132.7	150.4	168.9	186.6	423.0	660.2	896.6	1133.0	1366.2	1640.5	1707.2
82.5°	55.5	55.5	54.7	53.9	138.3	222.7	307.2	391.6	452.7	520.3	533.1
85°	22.5	16.9	10.5	4.0	17.7	32.2	45.8	59.5	95.7	86.8	160.8
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: P596465
 CATALOG NUMBER: MSA-SA4D-722-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: P596465

CATALOG NUMBER: MSA-SA4D-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0
2.5°	2153.5	2151.9	2150.3	2148.7	2147.1	2118.1	2090.0	2061.0	2032.9	2068.3	2103.6
5°	2614.3	2656.1	2697.9	2740.5	2782.3	2794.4	2806.5	2818.5	2830.6	2856.3	2882.1
7.5°	2783.9	2854.7	2924.7	2995.4	3065.4	3130.5	3194.9	3260.0	3325.1	3309.1	3293.0
10°	2725.2	2853.1	2981.0	3109.6	3237.5	3265.6	3293.8	3322.7	3350.9	3424.0	3497.2
12.5°	2661.7	2815.3	2968.9	3122.5	3276.1	3361.3	3445.8	3531.0	3616.2	3690.2	3764.2
15°	2963.3	3061.4	3159.5	3258.4	3356.5	3431.3	3505.3	3580.0	3654.0	3705.5	3756.2
17.5°	3359.7	3408.0	3456.2	3505.3	3553.5	3612.2	3670.9	3729.6	3788.3	3818.9	3849.4
20°	3778.7	3799.6	3820.5	3841.4	3862.3	3815.7	3769.0	3722.4	3675.7	3704.7	3732.8
22.5°	4199.2	4206.5	4214.5	4221.8	4229.0	4120.4	4011.9	3903.3	3794.8	3748.9	3703.1
25°	4846.6	4793.5	4740.4	4687.4	4634.3	4505.6	4377.0	4248.3	4119.6	4006.2	3892.9
27.5°	5547.8	5367.7	5188.3	5008.2	4828.9	4700.2	4571.6	4442.9	4314.2	4143.8	3973.3
30°	6254.6	5964.3	5674.8	5384.5	5095.1	4942.3	4789.5	4635.9	4483.1	4312.6	4142.9
32.5°	6902.8	6553.8	6204.8	5855.0	5506.0	5248.6	4991.3	4734.0	4476.7	4357.7	4238.6
35°	7439.9	7027.4	6614.9	6201.6	5789.0	5534.1	5279.2	5024.3	4769.4	4592.5	4416.4
37.5°	8358.3	7894.3	7430.3	6966.3	6502.3	6154.1	5806.7	5458.5	5110.3	4992.1	4873.9
40°	9205.0	8620.4	8035.8	7451.2	6866.6	6574.7	6283.6	5991.7	5700.6	5506.8	5313.8
42.5°	9878.1	9262.1	8647.0	8031.0	7415.0	7126.3	6838.4	6549.7	6261.1	6131.6	6002.9
45°	10023.7	9443.1	8863.3	8282.7	7702.1	7534.0	7366.8	7198.7	7031.4	6942.2	6853.7
47.5°	10310.7	9681.1	9052.2	8422.6	7793.0	7717.4	7641.8	7565.4	7489.8	7532.4	7575.0
50°	10471.6	9829.0	9186.5	8544.0	7901.5	7923.2	7944.1	7965.8	7987.6	8289.9	8591.5
52.5°	10783.6	10134.6	9485.7	8836.7	8187.8	8324.5	8460.4	8597.1	8733.0	9149.5	9565.3
55°	11340.8	10703.2	10065.5	9427.0	8789.3	8969.4	9149.5	9330.5	9510.6	9952.9	10394.4
57.5°	12166.7	11533.8	10901.8	10268.9	9636.9	9816.2	9995.5	10174.8	10354.2	10753.8	11152.7
60°	13206.5	12556.7	11907.8	11258.0	10609.1	10676.6	10743.4	10810.9	10878.5	11307.9	11736.5
62.5°	14016.2	13418.7	12822.1	12224.6	11627.9	11553.1	11479.2	11404.4	11330.4	11656.9	11982.5
65°	14204.4	13783.8	13364.1	12943.5	12522.9	12292.9	12063.8	11833.8	11603.8	11735.7	11867.6
67.5°	13665.6	13381.8	13098.7	12814.8	12531.0	12050.9	11570.8	11089.9	10609.9	10539.9	10469.9
70°	12415.2	12260.0	12105.6	11950.4	11796.0	11056.2	10317.2	9577.4	8838.3	8660.6	8482.9
72.5°	9796.9	9893.4	9989.9	10087.2	10183.7	9391.6	8600.3	7808.2	7016.2	6791.0	6566.6
75°	6908.4	7235.7	7563.0	7890.3	8217.5	7495.4	6774.1	6052.0	5329.9	5113.5	4898.0
77.5°	3745.7	4359.3	4972.8	5586.4	6199.9	5604.1	5009.0	4413.1	3817.3	3666.9	3517.3
80°	1775.5	2129.4	2482.4	2836.2	3190.0	3055.7	2921.5	2786.4	2652.1	2685.0	2718.0
82.5°	544.4	800.1	1055.8	1311.6	1567.3	1587.4	1606.7	1626.8	1646.9	1696.7	1745.8
85°	182.5	250.1	317.6	385.2	452.7	571.7	690.8	810.6	929.6	852.4	776.0
87.5°	0.0	2.4	4.0	6.4	8.0	24.9	41.8	58.7	75.6	65.1	55.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596465
 CATALOG NUMBER: MSA-SA4D-722-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: P596465

CATALOG NUMBER: MSA-SA4D-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0
2.5°	2139.8	2175.2	2176.0	2177.6	2178.4	2179.2	2183.2	2187.3	2192.1	2196.1	2169.6
5°	2908.6	2934.3	2886.9	2839.4	2791.2	2743.7	2786.4	2829.0	2871.6	2914.2	2895.7
7.5°	3276.1	3260.0	3254.4	3249.5	3243.9	3239.1	3255.2	3271.3	3287.3	3303.4	3301.8
10°	3570.4	3643.6	3661.3	3679.0	3697.5	3715.1	3678.2	3641.2	3604.2	3567.2	3551.9
12.5°	3838.2	3912.2	3970.9	4029.6	4089.1	4147.8	4094.7	4042.4	3989.4	3937.1	3887.2
15°	3807.6	3858.3	3906.5	3954.8	4003.0	4051.3	4033.6	4016.7	3999.0	3981.3	3973.3
17.5°	3880.8	3911.4	3900.1	3888.8	3876.8	3865.5	3859.9	3855.1	3849.4	3843.8	3824.5
20°	3761.8	3790.7	3783.5	3777.1	3769.8	3762.6	3757.8	3752.9	3748.1	3743.3	3728.0
22.5°	3657.2	3611.4	3599.3	3588.1	3576.0	3564.8	3566.4	3568.0	3568.8	3570.4	3639.6
25°	3779.5	3666.1	3621.9	3577.6	3532.6	3488.4	3508.5	3527.8	3547.9	3568.0	3667.7
27.5°	3802.0	3631.5	3560.7	3490.0	3419.2	3348.5	3420.8	3493.2	3565.6	3637.9	3799.6
30°	3972.5	3802.8	3703.9	3605.8	3506.9	3408.8	3501.2	3593.7	3686.2	3778.7	3954.0
32.5°	4118.8	3999.8	3929.0	3858.3	3787.5	3716.8	3720.8	3724.0	3728.0	3732.0	3978.9
35°	4239.4	4063.3	3999.0	3935.5	3871.1	3807.6	3903.3	3999.0	4094.7	4190.4	4412.3
37.5°	4755.7	4637.5	4519.3	4401.9	4283.7	4166.3	4242.7	4319.1	4396.3	4472.6	4717.9
40°	5120.0	4927.0	4896.4	4866.7	4836.1	4806.4	4845.8	4884.4	4923.8	4963.2	5177.9
42.5°	5873.5	5744.0	5661.2	5579.1	5496.3	5414.3	5445.7	5477.0	5509.2	5540.5	5744.0
45°	6764.5	6675.2	6620.5	6565.8	6510.3	6455.7	6408.2	6361.6	6314.1	6267.5	6474.2
47.5°	7617.7	7660.3	7780.9	7900.7	8021.3	8141.1	8043.0	7944.9	7846.0	7747.9	7748.7
50°	8893.8	9195.4	9256.5	9316.8	9377.9	9438.2	9229.2	9020.1	8810.2	8601.1	8576.2
52.5°	9981.8	10397.6	10419.3	10441.0	10463.5	10485.2	10400.8	10316.4	10231.1	10146.7	9922.3
55°	10836.6	11278.1	11307.9	11336.8	11366.6	11395.5	11321.5	11248.4	11174.4	11100.4	10873.6
57.5°	11552.3	11951.2	11968.9	11985.8	12003.5	12021.1	12026.8	12032.4	12038.8	12044.5	11738.1
60°	12165.9	12595.3	12559.9	12525.3	12490.0	12455.4	12402.3	12349.2	12296.2	12243.1	12045.3
62.5°	12309.0	12635.5	12580.8	12526.9	12472.3	12418.4	12373.4	12329.1	12284.1	12239.1	12112.8
65°	11999.4	12131.3	12075.0	12018.7	11961.6	11905.3	11876.4	11848.3	11819.3	11790.4	11774.3
67.5°	10399.2	10329.2	10396.0	10462.7	10529.5	10596.2	10687.1	10777.9	10869.6	10960.5	10907.4
70°	8304.4	8126.7	8200.7	8273.8	8347.8	8421.0	8558.5	8696.0	8834.3	8971.8	8934.8
72.5°	6341.5	6116.3	6126.8	6137.2	6148.5	6158.9	6154.9	6151.7	6147.7	6143.7	6208.0
75°	4681.7	4465.4	4363.3	4261.2	4159.0	4056.9	4032.0	4007.0	3982.1	3957.2	4077.0
77.5°	3366.9	3217.4	3147.4	3078.3	3008.3	2939.1	2974.5	3009.9	3046.1	3081.5	3123.3
80°	2751.8	2784.7	2730.9	2677.8	2623.9	2570.0	2610.3	2649.7	2689.9	2730.1	2605.4
82.5°	1795.7	1844.7	1679.1	1513.4	1347.7	1182.1	1282.6	1383.1	1484.4	1585.0	1533.5
85°	698.8	622.4	530.7	439.9	348.2	256.5	333.7	410.9	488.1	565.3	616.8
87.5°	45.0	35.4	28.1	20.9	12.9	5.6	12.1	18.5	25.7	32.2	53.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596465
 CATALOG NUMBER: MSA-SA4D-722-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: P596465

CATALOG NUMBER: MSA-SA4D-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0	1700.0
2.5°	2143.8	2117.3	2091.6	2040.9	1990.3	1939.6	1888.9	1959.7	2030.5	2101.2	2172.0
5°	2878.0	2859.5	2841.8	2846.7	2851.5	2857.1	2861.9	2872.4	2882.9	2892.5	2903.0
7.5°	3301.0	3299.4	3297.8	3260.8	3223.8	3186.0	3149.0	3167.5	3186.0	3204.5	3223.0
10°	3537.4	3522.1	3506.9	3425.7	3344.4	3262.4	3181.2	3145.8	3109.6	3074.2	3038.9
12.5°	3837.4	3786.7	3736.9	3650.0	3564.0	3477.1	3390.3	3358.1	3325.1	3293.0	3260.0
15°	3966.0	3958.0	3950.8	3888.8	3826.1	3764.2	3701.5	3591.3	3480.3	3370.2	3260.0
17.5°	3805.2	3785.1	3765.8	3863.9	3961.2	4059.3	4157.4	4043.2	3929.0	3814.9	3700.7
20°	3712.7	3697.5	3682.2	3864.7	4046.5	4229.0	4410.7	4360.1	4308.6	4257.9	4207.3
22.5°	3708.7	3778.7	3847.8	4007.9	4167.1	4327.1	4486.3	4574.0	4662.4	4750.1	4837.7
25°	3767.4	3867.9	3967.6	4233.0	4498.4	4764.6	5029.9	5130.4	5230.2	5330.7	5430.4
27.5°	3960.4	4122.0	4282.9	4514.5	4746.1	4978.5	5210.0	5429.6	5649.9	5869.4	6089.0
30°	4128.5	4303.8	4479.1	4754.9	5029.9	5305.7	5580.8	5855.8	6130.8	6405.8	6680.8
32.5°	4225.8	4473.5	4720.3	5055.7	5390.2	5725.5	6060.8	6362.4	6663.9	6964.7	7266.2
35°	4634.3	4857.0	5079.0	5449.7	5820.4	6191.9	6562.6	6935.7	7308.9	7681.2	8054.3
37.5°	4963.2	5209.2	5454.5	5859.8	6264.3	6669.6	7074.9	7590.3	8106.6	8622.0	9137.5
40°	5392.6	5607.3	5822.0	6201.6	6580.3	6959.9	7339.4	7993.2	8647.0	9299.9	9953.7
42.5°	5946.6	6150.1	6353.5	6759.6	7165.7	7571.8	7977.9	8701.6	9425.4	10148.3	10872.0
45°	6680.8	6888.3	7095.0	7418.2	7741.5	8064.8	8388.0	9157.6	9926.3	10695.9	11464.7
47.5°	7749.5	7750.3	7751.1	7984.3	8217.5	8451.5	8684.8	9459.9	10234.3	11009.5	11783.9
50°	8551.3	8525.5	8500.6	8621.2	8741.0	8861.7	8982.3	9695.6	10409.6	11122.9	11836.2
52.5°	9698.8	9474.4	9250.9	9322.4	9393.2	9464.8	9535.5	10139.4	10744.2	11348.1	11952.0
55°	10647.7	10420.9	10194.1	10167.6	10141.1	10114.5	10088.0	10643.6	11199.3	11755.0	12310.6
57.5°	11432.5	11126.1	10820.6	10759.4	10699.1	10638.0	10576.9	11163.1	11748.5	12334.8	12920.2
60°	11848.3	11650.4	11452.6	11413.2	11373.0	11333.6	11293.4	11774.3	12255.1	12736.0	13216.9
62.5°	11987.4	11861.1	11735.7	11809.7	11883.6	11958.4	12032.4	12243.9	12454.6	12666.1	12876.8
65°	11759.0	11742.9	11726.8	11878.8	12030.0	12182.0	12334.0	12281.7	12228.6	12176.3	12124.1
67.5°	10855.1	10802.1	10749.8	11083.5	11416.4	11750.1	12083.9	11830.6	11576.5	11323.1	11069.8
70°	8897.8	8860.1	8823.1	9303.9	9784.8	10266.5	10747.4	10440.2	10133.0	9825.8	9518.6
72.5°	6271.5	6335.8	6400.2	6967.1	7533.2	8100.1	8666.3	8356.7	8047.1	7737.5	7427.9
75°	4196.0	4315.8	4435.7	5019.5	5603.3	6187.9	6771.7	6408.2	6044.7	5681.3	5317.8
77.5°	3165.1	3206.9	3248.7	3617.8	3986.9	4356.9	4726.0	4426.0	4125.3	3825.3	3524.6
80°	2480.8	2355.3	2230.7	2352.1	2473.5	2595.0	2716.4	2537.1	2357.7	2179.2	1999.9
82.5°	1482.0	1430.6	1379.1	1445.0	1510.2	1576.1	1642.1	1564.9	1486.9	1409.7	1331.7
85°	667.4	718.9	769.6	836.3	902.2	969.0	1035.7	928.0	820.2	712.5	604.7
87.5°	74.8	96.5	118.2	146.4	174.5	202.6	230.8	180.1	128.7	78.0	27.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596465
 CATALOG NUMBER: MSA-SA4D-722-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: P596465
 CATALOG NUMBER: MSA-SA4D-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1700.0	1700.0
2.5°	2213.0	2254.0
5°	2902.2	2900.5
7.5°	3174.8	3125.7
10°	2993.8	2948.8
12.5°	3145.0	3030.0
15°	3173.2	3086.3
17.5°	3559.1	3416.8
20°	4024.7	3841.4
22.5°	4586.8	4335.1
25°	5131.2	4832.1
27.5°	5909.7	5729.5
30°	6499.1	6316.5
32.5°	7142.4	7018.6
35°	7931.3	7807.4
37.5°	9169.6	9201.0
40°	9973.0	9992.3
42.5°	10946.8	11021.6
45°	11548.3	11631.9
47.5°	11900.5	12017.1
50°	12024.4	12212.5
52.5°	12184.4	12416.0
55°	12568.8	12826.9
57.5°	13126.0	13331.9
60°	13226.6	13236.2
62.5°	12728.0	12579.2
65°	11965.7	11807.2
67.5°	10974.1	10877.7
70°	9391.6	9264.5
72.5°	7191.5	6955.0
75°	5025.1	4732.4
77.5°	3371.0	3217.4
80°	2004.7	2008.8
82.5°	1368.7	1404.8
85°	597.5	589.4
87.5°	19.3	10.5
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: P596465
CATALOG NUMBER: MSA-SA4D-722-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)