

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: P596312

Luminaire Tested: **MSA-SA3A-722-U-SLR**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P596312
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-24)
Test Lab: INNOVATIONS CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: MSA-SA3A-722-U-SLR
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7387 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

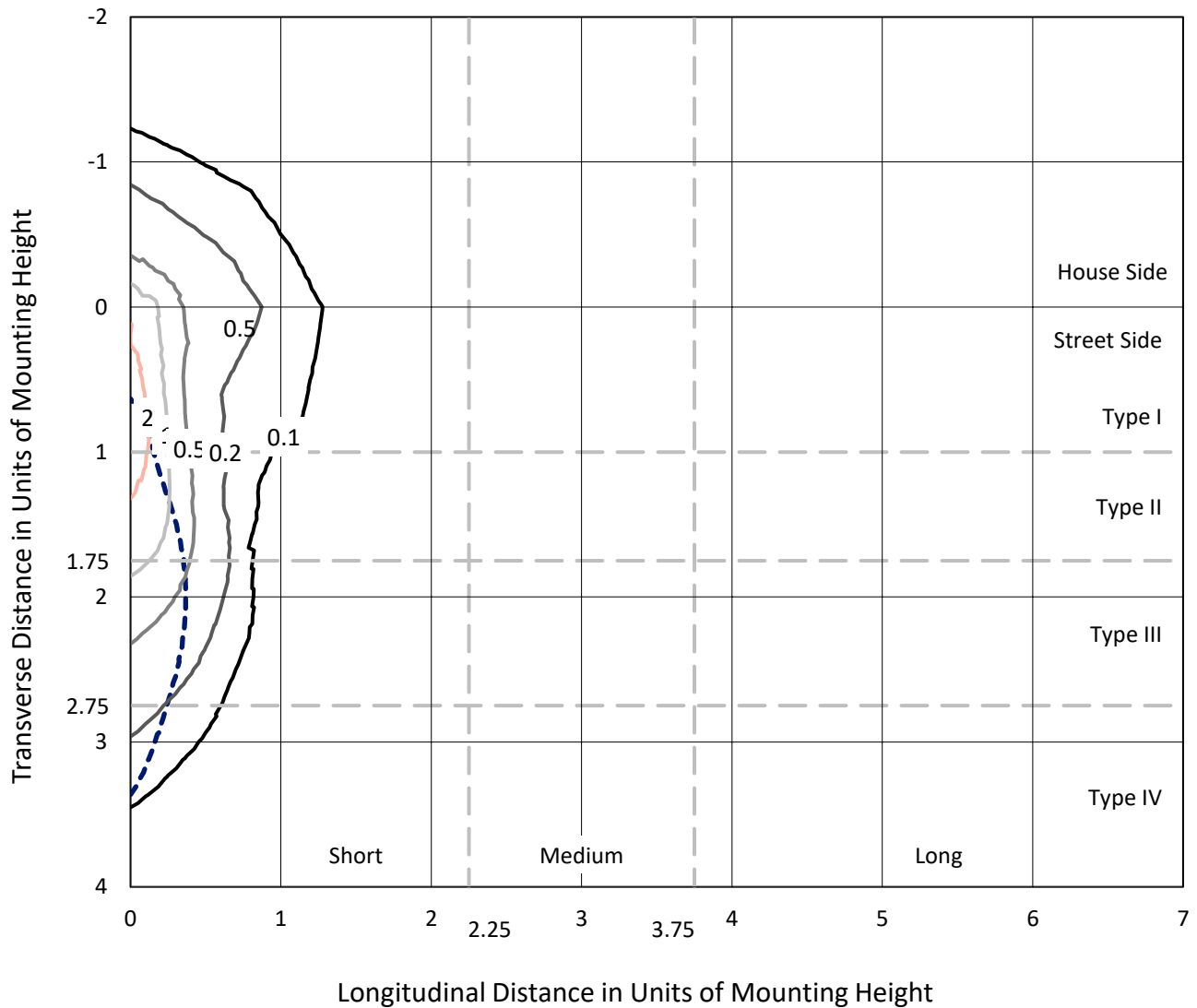
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

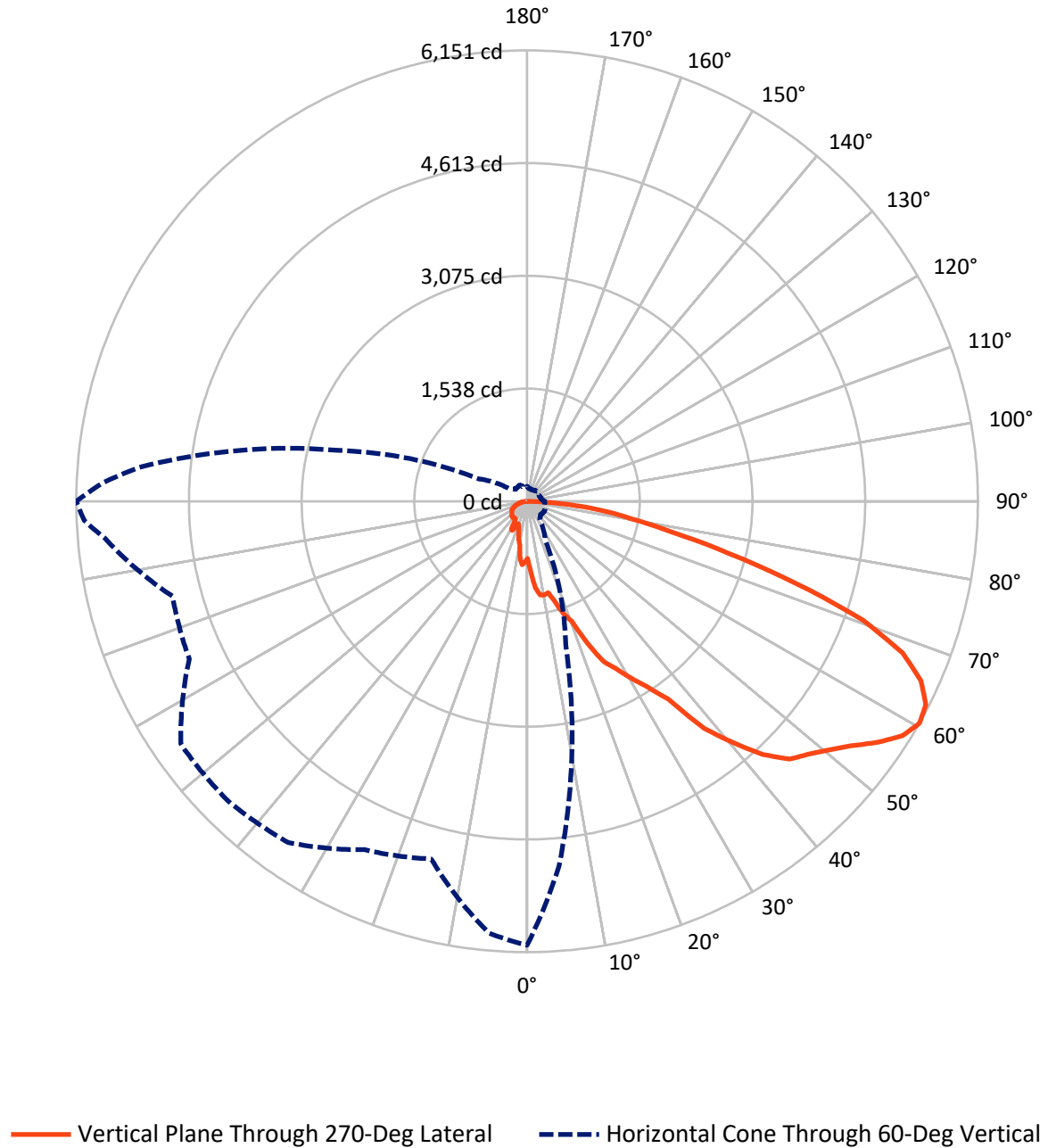
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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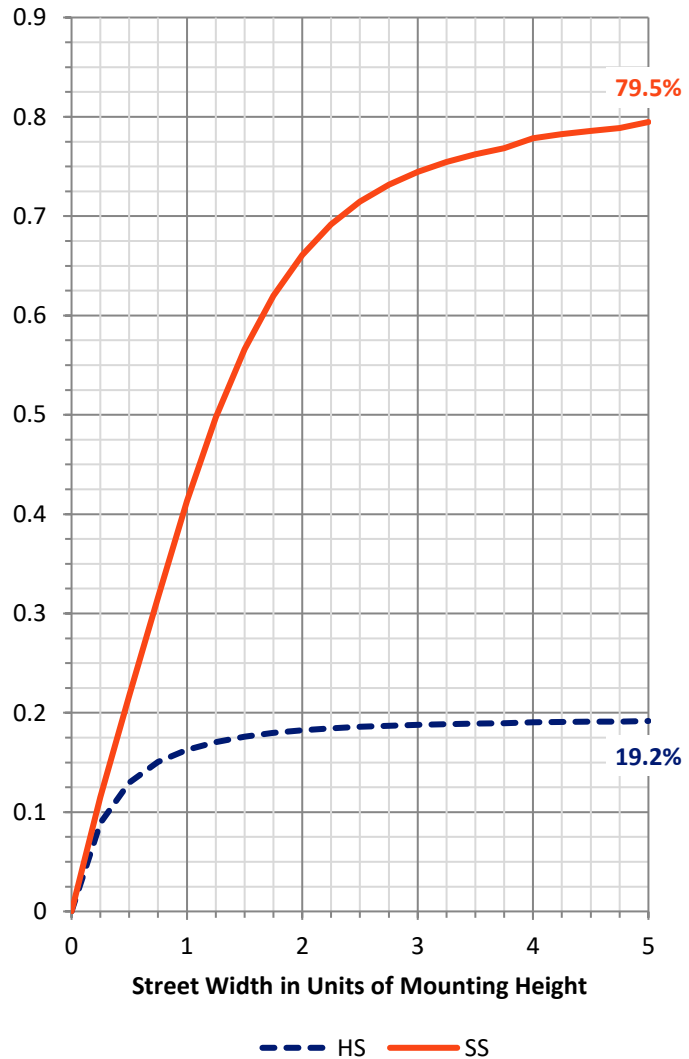
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1430.7	0.0	1430.7
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	5956.3	0.0	5956.3
	% Fixture	80.6	0.0	80.6
Total	Lumens	7387.0	0.0	7387.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.3	1.2
10°-20°	259.6	3.5
20°-30°	458.2	6.2
30°-40°	713.6	9.7
40°-50°	1174.9	15.9
50°-60°	1677.0	22.7
60°-70°	1778.2	24.1
70°-80°	982.1	13.3
80°-90°	254.1	3.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7387.0	100.0
0°-180°	7387.0	100.0

Coefficient of Utilization



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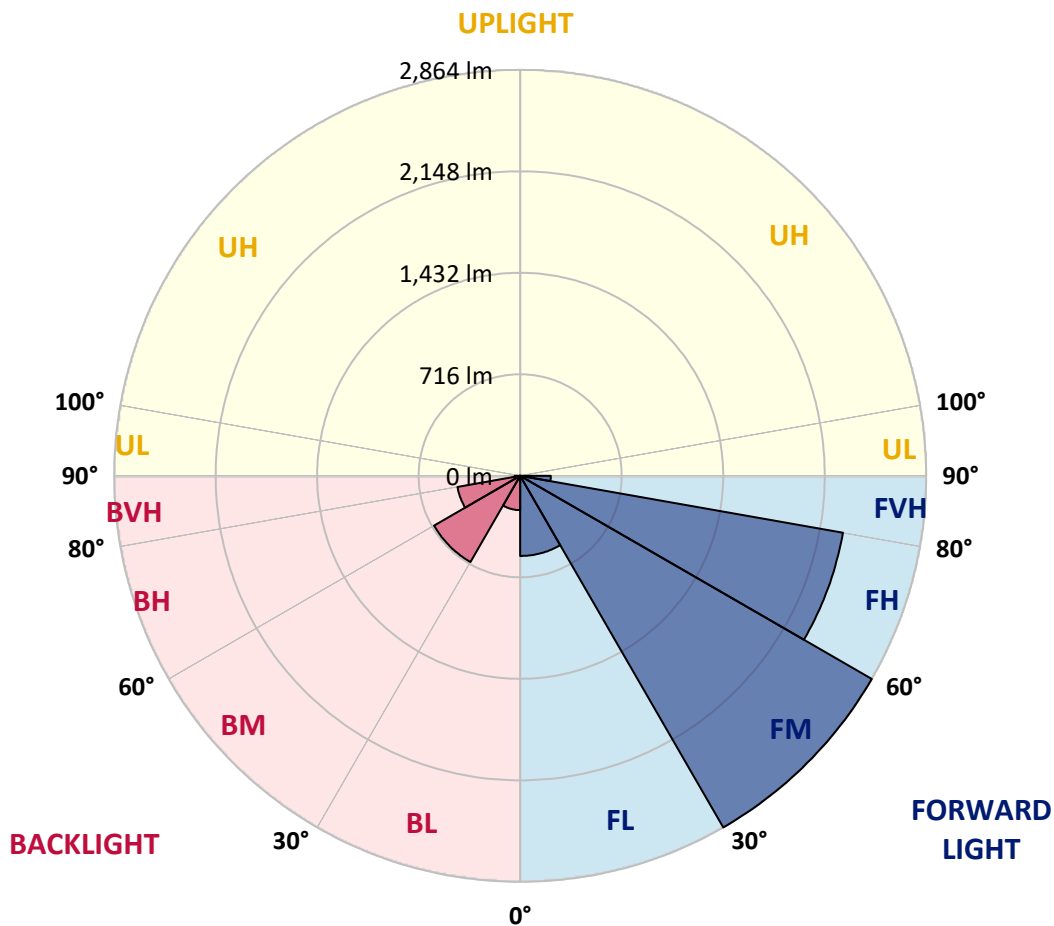
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	565.2	7.7			
FM (30°-60°)	2863.7	38.8			
FH (60°-80°)	2311.4	31.3			G2/5000
FVH (80°-90°)	216.0	2.9			G2/225
BL (0°-30°)	241.9	3.3	B1/500		
BM (30°-60°)	701.8	9.5	B1/1000		
BH (60°-80°)	448.9	6.1	B1/500		G1/500
BVH (80°-90°)	38.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1
2.5°	1043.4	1049.8	1055.9	1043.7	1031.6	1019.0	1006.8	988.5	969.9	951.6	933.0
5°	1253.1	1229.5	1205.5	1195.8	1186.5	1176.8	1167.1	1158.1	1149.2	1139.8	1130.9
7.5°	1318.8	1285.1	1251.0	1236.6	1222.3	1207.6	1193.3	1161.0	1128.7	1096.1	1063.8
10°	1246.7	1211.6	1176.1	1162.1	1147.7	1133.7	1119.4	1080.0	1040.9	1001.4	962.0
12.5°	1304.8	1268.9	1232.7	1188.2	1143.8	1099.0	1054.5	1032.6	1010.8	988.5	966.7
15°	1360.7	1312.3	1263.5	1219.1	1174.6	1129.8	1085.3	1041.6	997.9	954.1	910.4
17.5°	1565.1	1484.4	1403.7	1323.4	1242.7	1162.4	1081.8	1031.2	980.3	929.7	878.8
20°	1814.3	1702.1	1589.5	1467.6	1345.3	1223.4	1101.1	1037.3	973.8	910.0	846.2
22.5°	2110.8	1969.2	1827.5	1673.7	1519.9	1365.7	1211.9	1119.4	1026.9	934.0	841.5
25°	2346.4	2210.1	2073.9	1878.8	1683.8	1488.7	1293.7	1188.6	1083.5	978.1	873.1
27.5°	2575.1	2358.2	2140.9	1917.5	1694.5	1471.1	1247.8	1150.6	1053.4	956.3	859.1
30°	2768.4	2596.3	2424.2	2132.7	1841.2	1549.3	1257.8	1138.4	1019.0	899.6	780.2
32.5°	3051.3	2805.7	2559.7	2255.7	1951.6	1647.6	1343.5	1190.8	1038.0	885.3	732.5
35°	3382.2	3126.9	2871.7	2495.5	2119.8	1743.6	1367.5	1205.8	1043.7	882.0	720.0
37.5°	3999.3	3549.3	3099.0	2688.4	2277.9	1867.0	1456.4	1268.6	1080.7	892.4	704.6
40°	4339.6	3923.6	3507.7	2996.1	2484.4	1972.4	1460.7	1268.6	1076.0	883.8	691.3
42.5°	4793.1	4267.1	3740.8	3187.5	2634.6	2081.4	1528.2	1315.2	1102.2	888.9	675.9
45°	5069.6	4483.3	3896.8	3305.5	2714.2	2123.0	1531.7	1315.5	1099.3	883.1	666.9
47.5°	5247.8	4684.9	4121.6	3485.1	2848.7	2211.9	1575.5	1346.0	1116.2	886.7	656.9
50°	5416.7	4859.1	4301.2	3640.4	2979.9	2319.1	1658.3	1407.7	1157.1	906.1	655.4
52.5°	5623.9	5110.5	4596.7	3887.8	3178.6	2469.7	1760.5	1487.6	1214.8	941.9	669.1
55°	5925.4	5419.5	4913.3	4152.4	3391.2	2630.3	1869.1	1566.2	1263.5	960.6	657.6
57.5°	6120.9	5607.8	5094.7	4318.8	3542.9	2766.6	1990.7	1655.1	1319.5	983.5	647.9
60°	6056.0	5526.7	4997.2	4257.5	3517.8	2778.1	2038.4	1675.9	1313.7	951.2	588.7
62.5°	5769.1	5206.5	4644.0	3981.4	3319.1	2656.5	1993.9	1625.3	1257.1	888.5	519.9
65°	5368.3	4786.7	4204.8	3607.0	3009.3	2411.6	1813.9	1479.4	1144.5	810.0	475.1
67.5°	4876.3	4270.0	3663.3	3134.1	2604.9	2075.3	1546.1	1266.4	987.1	707.4	427.8
70°	4259.3	3663.3	3067.4	2609.5	2151.7	1693.8	1235.9	1025.5	815.3	604.9	394.4
72.5°	3423.5	2909.3	2395.1	2034.8	1674.4	1314.1	953.8	807.5	661.5	515.2	369.0
75°	2434.9	2132.7	1830.4	1550.0	1269.6	988.9	708.5	613.8	519.2	424.5	329.9
77.5°	1730.4	1552.2	1374.0	1154.2	934.4	714.6	494.8	439.2	384.0	328.4	272.9
80°	1279.3	1130.5	981.7	816.1	650.4	484.8	319.1	291.9	265.0	237.7	210.5
82.5°	842.2	775.2	707.8	576.6	445.3	314.1	182.9	172.8	162.8	152.7	142.7
85°	377.2	398.4	419.1	338.8	258.2	177.8	97.2	92.5	87.8	83.2	78.5
87.5°	36.2	53.4	70.6	60.6	50.2	40.2	29.8	29.4	29.4	29.0	28.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1
2.5°	938.0	943.0	948.0	953.0	947.7	942.3	936.5	931.2	924.3	917.5	910.4
5°	1115.8	1100.4	1085.3	1069.9	1047.0	1024.0	1000.7	977.8	974.9	971.7	968.8
7.5°	1035.5	1007.5	979.2	950.9	915.0	879.5	843.7	807.8	797.1	786.3	775.6
10°	943.0	923.6	904.6	885.3	863.0	840.8	818.2	796.0	766.6	736.8	707.4
12.5°	935.1	903.6	871.6	840.1	826.5	812.8	799.2	785.6	759.8	734.0	707.8
15°	884.9	859.1	833.6	807.8	788.1	768.4	748.7	728.9	708.1	687.0	666.2
17.5°	849.4	820.0	790.6	761.2	738.6	716.0	693.1	670.5	645.4	619.9	594.8
20°	812.5	779.1	745.4	711.7	683.0	654.7	626.0	597.3	569.7	542.5	514.9
22.5°	797.4	753.3	709.2	665.1	635.0	604.5	574.4	543.9	518.5	493.0	467.6
25°	820.4	768.0	715.3	662.6	622.1	581.2	540.7	499.8	478.7	457.5	436.0
27.5°	793.5	727.5	661.9	595.9	552.5	508.8	465.4	421.7	418.4	415.2	411.6
30°	711.0	641.8	572.6	503.4	463.6	423.5	383.7	343.5	336.0	328.1	320.5
32.5°	661.9	591.3	520.6	450.0	414.5	378.6	343.1	307.3	298.7	290.1	281.5
35°	643.2	566.5	489.8	413.1	382.6	352.1	321.6	291.1	285.0	279.3	273.2
37.5°	628.2	552.2	475.8	399.4	370.0	340.6	310.9	281.5	276.8	272.1	267.5
40°	613.8	536.8	459.3	381.9	355.7	329.9	303.7	277.5	274.7	271.8	268.6
42.5°	600.9	526.0	450.7	375.8	352.5	329.5	306.2	282.9	280.0	277.2	274.3
45°	593.8	520.6	447.5	374.3	357.5	340.6	323.4	306.6	299.8	292.9	285.8
47.5°	588.4	519.9	451.4	382.9	365.4	347.8	330.2	312.7	306.6	300.5	294.0
50°	589.5	523.8	457.9	391.9	370.7	349.2	328.1	306.6	305.8	305.1	304.4
52.5°	599.1	529.6	459.7	389.7	366.8	343.9	320.5	297.6	302.3	306.6	311.2
55°	585.2	512.7	439.9	367.5	345.6	324.1	302.3	280.4	286.5	292.2	298.3
57.5°	569.4	490.9	412.3	333.8	317.3	300.8	284.0	267.5	273.9	280.7	287.2
60°	517.0	445.3	373.6	301.9	290.8	279.7	268.6	257.4	260.3	263.2	266.0
62.5°	459.7	399.1	338.8	278.2	269.6	260.7	252.1	243.1	243.1	243.5	243.5
65°	423.1	371.1	319.1	267.1	257.4	247.8	237.7	228.0	226.6	225.2	223.7
67.5°	386.5	345.6	304.4	263.2	249.2	235.6	221.6	207.6	205.8	204.4	202.6
70°	357.8	321.3	284.7	248.1	232.3	216.9	201.1	185.4	183.9	182.9	181.4
72.5°	334.5	300.5	266.0	231.6	215.1	198.3	181.8	164.9	163.9	162.8	161.3
75°	299.4	269.3	238.8	208.3	192.2	176.4	160.3	144.1	142.7	141.6	140.2
77.5°	247.8	222.3	197.2	171.7	159.2	147.0	134.5	121.9	121.2	120.5	119.4
80°	190.8	171.0	151.0	131.2	123.0	114.4	106.1	97.5	97.2	96.8	96.1
82.5°	130.9	119.0	107.2	95.4	89.3	82.8	76.7	70.3	70.6	71.0	71.4
85°	74.6	70.3	66.3	62.0	57.0	52.3	47.3	42.3	43.4	44.5	45.2
87.5°	27.3	25.8	24.4	22.9	20.4	18.3	15.8	13.3	14.0	15.1	15.8
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: P596312
 CATALOG NUMBER: MSA-SA3A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596312

CATALOG NUMBER: MSA-SA3A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1
2.5°	903.6	892.8	882.0	871.3	860.5	838.3	816.4	794.2	772.0	785.6	799.6
5°	965.6	947.3	928.7	910.4	891.7	881.3	870.9	860.5	850.1	855.5	861.2
7.5°	764.8	754.0	742.9	732.2	721.1	716.4	712.1	707.4	702.8	716.0	729.3
10°	677.7	662.6	647.5	632.1	617.1	608.1	599.1	590.2	581.2	584.8	588.4
12.5°	682.0	659.7	637.5	615.3	593.0	579.8	566.5	553.2	540.0	543.2	546.4
15°	645.0	622.1	599.1	576.2	553.2	537.8	522.1	506.6	490.9	485.5	479.7
17.5°	569.4	544.3	519.2	494.1	469.0	458.6	448.2	437.8	427.4	421.7	415.9
20°	487.3	464.0	440.7	417.4	394.0	386.9	379.7	372.2	365.0	361.4	357.5
22.5°	442.1	427.8	413.1	398.7	384.0	375.8	367.9	359.6	351.4	347.4	343.1
25°	414.8	417.7	420.9	423.8	426.7	423.1	419.1	415.6	411.6	413.1	414.1
27.5°	408.4	414.5	420.9	427.0	433.1	436.4	439.6	442.8	446.0	447.1	448.2
30°	312.7	315.9	318.8	322.0	324.8	333.8	342.8	351.4	360.3	374.3	388.7
32.5°	272.9	271.8	270.7	269.3	268.2	270.3	272.5	274.3	276.4	281.5	286.8
35°	267.1	264.6	261.7	259.2	256.4	257.4	258.5	259.6	260.7	264.6	268.6
37.5°	262.8	261.7	261.0	260.0	258.9	261.4	263.5	266.0	268.2	271.4	274.7
40°	265.7	265.3	265.0	264.3	263.9	265.3	266.8	268.2	269.6	273.9	278.2
42.5°	271.4	271.4	271.1	271.1	270.7	272.1	273.2	274.7	275.7	278.2	280.7
45°	279.0	278.2	277.9	277.2	276.4	276.1	276.1	275.7	275.4	276.8	278.6
47.5°	287.9	285.4	282.5	280.0	277.2	276.4	275.4	274.7	273.6	274.3	275.0
50°	303.7	296.9	290.4	283.6	276.8	275.0	273.2	271.4	269.6	269.3	269.3
52.5°	315.5	305.5	295.4	285.4	275.4	272.1	268.9	265.7	262.5	261.7	261.4
55°	304.1	296.5	289.4	281.8	274.3	269.6	264.6	260.0	254.9	253.9	252.8
57.5°	293.7	289.0	284.3	279.7	275.0	270.3	265.3	260.7	255.6	253.1	250.6
60°	268.9	268.9	269.3	269.3	269.3	264.3	259.2	254.2	249.2	246.7	244.5
62.5°	243.5	247.4	251.0	254.9	258.5	251.7	244.5	237.7	230.5	228.8	227.3
65°	222.3	223.4	224.8	225.9	227.0	221.6	216.2	210.8	205.5	204.4	202.9
67.5°	200.8	200.4	200.1	199.4	199.0	195.8	192.2	189.0	185.4	183.9	182.5
70°	180.0	179.6	179.3	178.6	178.2	175.3	172.5	169.6	166.7	165.7	164.6
72.5°	160.3	159.9	159.2	158.8	158.1	155.6	153.5	151.0	148.4	147.0	145.6
75°	138.8	138.0	137.3	136.6	135.9	133.7	131.6	129.1	126.9	125.5	124.1
77.5°	118.7	117.6	116.5	115.1	114.0	112.2	110.1	108.3	106.1	104.3	102.9
80°	95.7	95.0	94.3	93.2	92.5	90.7	88.9	86.8	85.0	82.8	81.0
82.5°	71.7	71.4	70.6	70.3	69.6	67.8	66.0	64.2	62.4	60.2	58.1
85°	46.3	45.9	45.5	45.2	44.8	43.4	42.3	40.9	39.4	37.3	35.5
87.5°	16.5	15.8	15.4	14.7	14.0	13.6	12.9	12.5	11.8	10.8	9.7
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: P596312
 CATALOG NUMBER: MSA-SA3A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596312
 CATALOG NUMBER: MSA-SA3A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1
2.5°	813.2	826.8	827.2	827.2	833.6	839.7	827.2	814.6	801.7	789.2	776.6
5°	866.6	872.0	870.6	868.8	860.9	853.0	844.8	836.5	828.3	820.0	820.4
7.5°	742.6	755.8	766.6	777.0	766.9	756.9	751.5	746.1	740.8	735.4	734.7
10°	591.6	595.2	599.5	603.4	597.3	590.9	601.7	612.4	622.8	633.6	621.7
12.5°	549.7	552.9	545.4	537.5	535.0	532.5	529.9	527.1	524.6	521.7	520.3
15°	474.4	468.6	462.9	456.8	455.4	453.6	451.8	449.6	447.8	445.7	439.2
17.5°	410.2	404.4	394.8	384.7	380.8	376.5	375.4	374.3	372.9	371.8	365.7
20°	353.9	349.9	347.4	344.6	340.6	336.7	332.7	328.8	324.5	320.5	314.8
22.5°	339.2	334.9	331.7	328.1	327.4	326.6	319.5	311.9	304.8	297.2	294.0
25°	415.6	416.6	396.9	376.8	375.0	373.3	360.3	347.1	334.2	320.9	309.8
27.5°	448.9	450.0	449.3	448.5	442.8	436.7	414.8	392.6	370.7	348.5	332.7
30°	402.7	416.6	422.0	427.4	423.5	419.1	396.2	373.6	350.7	327.7	317.3
32.5°	291.9	296.9	305.8	314.5	319.1	323.4	316.2	309.1	301.9	294.7	292.9
35°	272.1	276.1	277.9	279.7	276.8	273.9	268.6	263.2	257.4	252.1	251.0
37.5°	277.5	280.7	284.3	287.9	280.0	271.8	265.7	260.0	253.9	247.8	242.7
40°	282.5	286.8	289.0	291.1	283.3	275.4	267.8	260.7	253.1	245.6	240.6
42.5°	283.3	285.8	289.7	293.7	282.5	271.1	264.3	257.1	250.3	243.1	238.1
45°	280.0	281.5	285.0	288.6	275.7	262.5	256.4	249.9	243.8	237.4	233.1
47.5°	275.4	276.1	279.0	281.5	267.8	253.9	248.1	242.4	236.3	230.5	226.2
50°	268.9	268.6	270.7	272.5	258.5	244.5	238.8	233.4	227.7	221.9	218.4
52.5°	260.7	260.0	262.1	263.9	249.2	234.5	229.5	224.8	219.8	214.8	211.9
55°	251.3	250.3	252.1	253.9	239.5	224.8	220.5	215.8	211.5	206.9	204.4
57.5°	247.8	245.3	246.3	247.4	231.3	215.1	210.8	206.5	202.2	197.9	196.1
60°	242.0	239.5	240.6	241.3	224.1	206.5	202.6	198.3	194.3	190.0	188.2
62.5°	225.5	223.7	225.2	226.6	211.2	195.4	191.8	188.6	185.0	181.4	178.9
65°	201.9	200.4	203.3	206.2	192.9	179.6	177.5	175.3	172.8	170.7	168.2
67.5°	181.1	179.6	182.5	185.4	175.7	166.0	163.9	161.7	159.6	157.4	156.0
70°	163.5	162.4	164.9	167.4	159.2	151.0	148.8	147.0	144.9	142.7	141.6
72.5°	143.8	142.3	145.6	148.4	141.6	134.5	132.7	130.5	128.7	126.6	125.9
75°	122.6	121.2	124.1	126.6	121.9	116.9	115.1	113.3	111.5	109.7	109.4
77.5°	101.1	99.3	102.2	104.7	101.8	98.6	97.2	95.4	93.9	92.1	92.1
80°	78.9	76.7	78.9	80.7	79.6	78.5	77.4	76.0	74.9	73.5	73.9
82.5°	55.9	53.8	54.9	55.9	56.7	57.4	57.4	57.4	57.4	57.4	57.4
85°	33.3	31.2	31.6	31.9	33.0	34.1	34.4	34.8	35.1	35.5	35.9
87.5°	8.6	7.5	6.8	5.7	6.8	7.5	8.2	8.6	9.3	9.7	9.7
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: P596312
 CATALOG NUMBER: MSA-SA3A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596312
 CATALOG NUMBER: MSA-SA3A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1
2.5°	764.1	751.2	738.6	746.5	754.0	761.9	769.5	769.8	769.8	770.2	770.2
5°	821.1	821.4	821.8	814.3	807.1	799.6	792.0	788.1	784.2	779.9	775.9
7.5°	733.6	732.9	731.8	724.6	717.5	710.3	703.1	685.9	668.3	651.1	633.6
10°	609.5	597.7	585.5	582.6	580.1	577.3	574.4	569.7	565.4	560.8	556.1
12.5°	518.8	517.4	516.0	508.4	500.9	493.0	485.5	485.5	485.5	485.5	485.5
15°	432.4	426.0	419.1	415.6	411.6	408.0	404.1	402.3	400.5	398.7	396.9
17.5°	359.3	353.2	346.7	346.0	345.3	344.6	343.9	342.1	340.3	338.5	336.7
20°	309.1	303.3	297.6	299.8	301.9	303.7	305.8	304.1	302.3	300.1	298.3
22.5°	290.4	287.2	283.6	281.8	280.0	277.9	276.1	276.1	276.4	276.4	276.4
25°	299.0	287.9	276.8	271.4	266.0	260.3	254.9	252.8	251.0	248.8	246.7
27.5°	317.0	300.8	285.0	275.7	266.4	257.1	247.8	243.8	239.5	235.6	231.3
30°	306.6	296.2	285.4	274.7	263.9	253.1	242.4	237.4	232.3	227.0	221.9
32.5°	291.1	289.0	287.2	277.2	267.1	256.7	246.7	244.5	242.7	240.6	238.4
35°	249.6	248.5	247.0	244.5	242.0	239.5	237.0	234.1	231.3	228.4	225.5
37.5°	238.1	233.1	228.0	227.0	225.9	224.8	223.7	222.7	221.6	220.2	219.1
40°	235.6	230.5	225.5	223.7	221.9	219.8	218.0	218.4	219.1	219.4	219.8
42.5°	232.7	227.7	222.3	220.9	219.4	218.0	216.6	216.9	217.6	218.0	218.4
45°	229.1	224.8	220.5	218.0	215.8	213.3	210.8	213.0	215.1	216.9	219.1
47.5°	221.9	217.3	213.0	211.5	210.1	208.3	206.9	209.0	211.2	213.0	215.1
50°	214.4	210.8	206.9	206.5	206.2	205.5	205.1	206.5	208.0	209.4	210.8
52.5°	208.7	205.8	202.6	202.6	202.2	202.2	201.9	203.3	204.7	205.8	207.2
55°	202.2	199.7	197.2	197.6	198.3	198.6	199.0	200.4	202.2	203.7	205.1
57.5°	194.0	192.2	190.0	191.5	192.5	194.0	195.1	196.1	197.6	198.6	199.7
60°	186.1	184.3	182.1	183.6	185.4	186.8	188.2	189.3	190.4	191.5	192.5
62.5°	176.4	173.5	171.0	173.2	175.0	177.1	178.9	179.6	180.7	181.4	182.1
65°	166.0	163.5	161.0	162.4	163.9	164.9	166.4	167.4	168.5	169.6	170.7
67.5°	154.2	152.7	151.0	152.0	153.1	154.2	155.3	155.6	155.6	156.0	156.0
70°	140.2	139.1	137.7	138.4	139.5	140.2	140.9	140.9	140.9	140.6	140.6
72.5°	125.5	124.8	124.1	124.4	125.1	125.5	125.9	125.5	125.1	124.8	124.4
75°	109.0	108.6	108.3	108.6	109.4	109.7	110.1	109.7	109.0	108.6	107.9
77.5°	92.5	92.5	92.5	92.5	92.9	92.9	92.9	92.1	91.4	90.7	90.0
80°	74.2	74.6	74.9	74.9	74.9	74.9	74.9	74.2	73.5	72.4	71.7
82.5°	57.4	57.4	57.4	57.4	57.7	57.7	57.7	55.9	54.5	52.7	50.9
85°	35.9	36.2	36.2	36.6	36.9	36.9	37.3	34.8	32.6	30.1	27.6
87.5°	9.7	9.7	9.7	9.7	9.7	9.3	9.3	7.2	4.7	2.5	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



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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: P596312

CATALOG NUMBER: MSA-SA3A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1
2.5°	772.3	774.5	776.3	778.4	778.8	779.1	779.1	779.5	772.0	764.4	756.5
5°	781.3	786.3	791.7	796.7	795.6	794.6	793.5	792.4	790.3	788.5	786.3
7.5°	629.6	626.0	622.1	618.1	621.4	624.6	627.8	631.1	632.5	633.9	635.0
10°	547.2	538.2	529.2	520.3	515.2	509.9	504.8	499.5	498.7	498.4	497.7
12.5°	476.2	466.5	457.2	447.5	444.6	441.4	438.5	435.3	438.2	441.0	443.5
15°	393.0	389.4	385.4	381.5	384.7	388.0	391.2	394.4	397.3	399.8	402.7
17.5°	334.9	333.5	331.7	329.9	332.7	336.0	338.8	341.7	348.2	354.6	361.1
20°	296.9	295.8	294.4	292.9	291.9	290.4	289.4	287.9	297.2	306.2	315.5
22.5°	274.3	272.1	270.0	267.8	268.2	268.6	268.6	268.9	276.4	284.3	291.9
25°	246.0	245.3	244.5	243.8	246.0	248.1	249.9	252.1	258.9	265.7	272.1
27.5°	231.6	232.0	232.3	232.7	235.6	238.8	241.7	244.5	249.2	253.9	258.5
30°	223.7	225.9	227.7	229.5	230.5	231.6	232.7	233.8	238.4	242.7	247.4
32.5°	235.6	232.7	229.5	226.6	228.0	229.8	231.3	232.7	237.0	241.3	245.6
35°	224.5	223.0	221.9	220.5	222.3	224.1	225.5	227.3	231.3	234.9	238.8
37.5°	218.7	218.4	218.0	217.6	218.7	219.8	220.5	221.6	225.2	228.8	232.0
40°	218.4	216.6	215.1	213.3	214.4	215.5	216.2	217.3	221.6	225.9	230.2
42.5°	216.2	214.1	211.5	209.4	210.5	211.9	213.0	214.1	218.7	223.0	227.7
45°	215.8	212.6	209.0	205.8	207.2	208.7	210.1	211.5	215.1	218.7	221.9
47.5°	211.9	208.7	205.5	202.2	202.9	203.7	204.0	204.7	208.0	210.8	214.1
50°	208.7	206.2	204.0	201.5	200.4	199.7	198.6	197.6	200.1	202.6	205.1
52.5°	204.7	202.2	199.4	196.8	195.4	194.0	192.5	191.1	193.3	195.1	197.2
55°	202.2	199.0	196.1	192.9	191.1	189.3	187.5	185.7	187.2	188.2	189.7
57.5°	196.8	194.0	190.8	187.9	185.7	183.6	181.1	178.9	179.6	180.4	181.1
60°	189.7	186.4	183.6	180.4	177.8	175.3	172.5	170.0	170.3	171.0	171.4
62.5°	179.3	176.4	173.2	170.3	167.4	164.9	162.1	159.2	159.9	160.3	161.0
65°	167.8	164.6	161.7	158.5	156.0	153.5	150.6	148.1	148.8	149.5	149.9
67.5°	153.8	151.3	149.2	146.6	144.5	142.0	139.8	137.3	137.7	138.0	138.4
70°	138.8	136.6	134.8	132.7	130.9	129.1	127.3	125.5	125.5	125.9	125.9
72.5°	122.6	120.8	119.0	117.2	115.5	114.0	112.2	110.4	111.2	111.9	112.2
75°	106.1	104.7	102.9	101.1	99.7	98.2	96.5	95.0	95.7	96.5	96.8
77.5°	88.9	87.8	86.4	85.3	83.9	82.5	80.7	79.2	80.0	80.7	81.0
80°	71.0	70.3	69.2	68.5	67.0	65.6	64.2	62.7	63.1	63.1	63.5
82.5°	51.3	51.6	51.6	52.0	50.9	49.5	48.4	47.0	47.0	47.0	46.6
85°	28.7	30.1	31.2	32.3	31.2	30.1	29.0	28.0	27.6	27.6	27.3
87.5°	1.1	1.8	2.9	3.6	3.2	2.9	2.2	1.8	2.2	2.5	2.5
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: P596312
 CATALOG NUMBER: MSA-SA3A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596312
 CATALOG NUMBER: MSA-SA3A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1
2.5°	749.0	755.1	761.2	767.3	773.4	782.7	792.0	801.7	811.4	806.0	800.3
5°	784.2	787.7	791.7	795.3	798.9	809.3	819.3	831.8	844.0	842.6	840.8
7.5°	636.4	641.5	646.5	651.1	656.2	671.9	687.7	701.0	714.2	712.4	710.3
10°	497.0	507.4	518.1	528.5	538.9	551.8	564.4	575.5	586.6	605.2	623.5
12.5°	446.4	462.5	478.7	494.8	510.9	520.3	529.2	543.6	557.9	567.9	578.3
15°	405.2	420.2	435.3	450.3	465.4	466.1	466.8	481.9	497.0	505.6	513.8
17.5°	367.5	375.8	384.0	391.9	400.1	397.3	394.4	401.6	408.4	412.0	415.9
20°	324.5	330.2	336.0	341.7	347.4	351.4	355.0	359.3	363.2	359.6	355.7
22.5°	299.4	308.0	317.0	325.6	334.2	336.7	338.8	336.3	333.8	332.7	331.7
25°	279.0	289.4	300.1	310.5	320.9	325.9	330.9	333.1	334.9	330.9	327.0
27.5°	263.2	275.7	287.9	300.5	312.7	321.6	330.6	333.1	335.2	332.4	329.2
30°	251.7	265.3	279.0	292.6	306.2	319.8	333.1	344.9	356.4	355.3	354.3
32.5°	249.9	259.2	268.6	277.9	287.2	295.8	304.1	304.8	305.1	302.3	299.0
35°	242.4	248.5	254.6	260.7	266.8	272.1	277.2	276.4	275.7	272.9	270.0
37.5°	235.6	241.7	248.1	254.2	260.3	269.6	278.6	276.8	274.7	271.8	268.9
40°	234.5	241.3	248.1	254.6	261.4	270.0	278.6	276.8	275.0	271.4	267.8
42.5°	232.0	238.8	245.3	252.1	258.5	268.9	279.0	275.7	272.1	269.3	266.4
45°	225.5	231.6	237.7	243.8	249.9	261.0	272.1	268.2	264.3	263.2	261.7
47.5°	216.9	223.0	229.1	235.2	241.3	252.4	263.2	260.0	256.4	256.0	255.3
50°	207.6	213.3	219.4	225.2	230.9	242.0	252.8	249.9	247.0	247.4	247.4
52.5°	199.0	204.4	209.4	214.8	219.8	230.9	241.7	239.5	237.0	237.7	238.1
55°	190.8	195.1	199.4	203.7	208.0	218.7	229.5	226.2	223.0	224.1	225.2
57.5°	181.8	185.4	189.0	192.2	195.8	206.5	216.9	213.3	209.4	211.2	212.6
60°	171.7	175.0	178.2	181.1	184.3	194.0	203.3	200.1	196.5	199.0	201.1
62.5°	161.3	163.9	166.4	168.9	171.4	180.4	189.3	186.8	184.3	187.2	189.7
65°	150.6	152.4	154.5	156.3	158.1	166.7	175.0	173.2	171.4	173.9	176.4
67.5°	138.8	140.2	142.0	143.4	144.9	152.7	160.6	158.8	156.7	158.8	160.6
70°	125.9	127.3	128.4	129.8	130.9	138.0	145.2	142.7	139.8	142.0	143.8
72.5°	112.9	113.7	114.7	115.5	116.2	121.5	126.9	124.8	122.6	124.8	126.6
75°	97.5	98.2	99.0	99.7	100.4	105.1	109.4	106.8	104.0	106.1	108.3
77.5°	81.8	82.1	82.8	83.2	83.5	86.8	89.6	87.1	84.3	86.8	89.3
80°	63.5	63.8	64.2	64.2	64.5	65.6	66.7	64.9	62.7	66.0	69.2
82.5°	46.6	46.3	46.3	45.9	45.5	45.5	45.2	44.1	42.7	45.5	48.4
85°	26.9	26.5	25.8	25.5	24.7	23.7	22.6	22.2	21.9	24.4	26.9
87.5°	2.9	2.5	1.8	1.4	0.7	0.4	0.0	0.0	0.0	1.4	3.2
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: P596312
 CATALOG NUMBER: MSA-SA3A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596312

CATALOG NUMBER: MSA-SA3A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1
2.5°	794.9	789.2	783.8	778.4	773.0	767.7	777.7	787.7	797.8	807.8	816.8
5°	839.4	837.6	832.9	828.6	824.0	819.3	821.8	824.7	827.2	829.7	835.1
7.5°	708.5	706.3	716.4	726.1	736.1	745.8	748.3	750.5	753.0	755.1	753.7
10°	642.2	660.5	665.1	669.4	674.1	678.4	685.6	692.7	699.5	706.7	710.7
12.5°	588.4	598.4	614.9	631.8	648.3	664.8	675.5	686.3	697.0	707.8	730.0
15°	522.4	530.7	543.2	555.8	568.3	580.9	596.3	612.1	627.5	642.9	667.3
17.5°	419.5	423.1	432.4	441.7	450.7	460.0	480.8	501.3	522.1	542.5	570.5
20°	352.1	348.2	348.2	348.5	348.5	348.5	369.3	389.7	410.5	431.0	467.9
22.5°	330.2	329.2	325.2	320.9	317.0	312.7	323.4	334.5	345.3	356.0	386.2
25°	322.7	318.8	313.7	308.7	303.7	298.7	305.5	312.3	319.1	325.9	349.6
27.5°	326.3	323.1	325.6	327.7	330.2	332.4	334.5	336.7	338.8	341.0	349.2
30°	353.2	352.1	356.0	359.6	363.6	367.2	362.1	357.5	352.5	347.4	350.3
32.5°	296.2	292.9	291.5	290.1	288.6	287.2	286.8	286.5	285.8	285.4	291.9
35°	267.1	264.3	262.1	260.0	257.4	255.3	256.4	257.1	258.2	258.9	266.0
37.5°	266.0	263.2	260.7	258.2	255.3	252.8	253.9	255.3	256.4	257.4	262.8
40°	264.3	260.7	259.2	257.8	256.4	254.9	255.6	256.4	256.7	257.4	261.4
42.5°	263.2	260.3	259.6	258.9	258.2	257.4	258.2	258.9	259.2	260.0	264.6
45°	260.7	259.2	260.0	260.7	261.4	262.1	262.1	262.1	262.1	262.1	267.1
47.5°	254.9	254.2	256.4	258.5	260.7	262.8	266.4	270.0	273.2	276.8	277.9
50°	247.8	247.8	251.3	254.9	258.2	261.7	270.3	278.6	287.2	295.4	290.1
52.5°	238.8	239.2	244.5	249.6	254.9	260.0	267.8	275.7	283.3	291.1	283.3
55°	225.9	227.0	233.8	240.2	247.0	253.5	259.6	265.7	271.8	277.9	269.6
57.5°	214.4	215.8	223.0	229.8	237.0	243.8	247.4	251.3	254.9	258.5	253.1
60°	203.7	205.8	215.1	224.5	233.4	242.7	239.9	237.0	233.8	230.9	230.5
62.5°	192.5	195.1	203.7	212.3	220.5	229.1	224.8	220.5	215.8	211.5	213.3
65°	178.6	181.1	185.0	189.0	192.5	196.5	196.1	196.1	195.8	195.4	199.0
67.5°	162.8	164.6	167.1	169.2	171.7	173.9	175.3	177.1	178.6	180.0	184.3
70°	145.9	147.7	150.2	152.4	154.9	157.0	158.8	160.6	162.1	163.9	168.2
72.5°	128.7	130.5	133.0	135.5	137.7	140.2	141.6	143.1	144.1	145.6	149.2
75°	110.4	112.6	115.1	117.2	119.8	121.9	123.0	124.1	125.1	126.2	129.4
77.5°	91.8	94.3	96.8	99.3	101.8	104.3	104.7	105.1	105.4	105.8	108.6
80°	72.1	75.3	77.8	80.3	82.8	85.3	85.3	85.3	85.3	85.3	86.8
82.5°	51.3	54.1	57.0	59.5	62.4	64.9	64.9	64.5	64.5	64.2	64.2
85°	29.4	31.9	33.7	35.9	37.6	39.4	39.4	39.4	39.1	39.1	38.4
87.5°	4.7	6.1	6.8	7.9	8.6	9.3	9.0	9.0	8.6	8.2	7.2
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: P596312
 CATALOG NUMBER: MSA-SA3A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596312

CATALOG NUMBER: MSA-SA3A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1
2.5°	825.7	834.7	843.7	842.2	840.8	839.4	837.9	843.3	848.3	853.7	858.7
5°	840.1	845.5	850.5	854.4	858.4	862.3	866.3	884.6	902.5	920.8	938.7
7.5°	752.2	750.5	749.0	765.9	783.1	799.9	816.8	840.1	863.4	886.7	910.0
10°	714.6	718.5	722.5	729.3	736.5	743.3	750.1	773.0	796.0	818.9	841.9
12.5°	751.9	774.1	796.0	801.4	807.1	812.5	817.9	822.5	827.2	831.5	836.1
15°	691.6	716.0	740.4	754.4	768.4	782.0	796.0	831.1	865.9	901.0	935.8
17.5°	598.1	626.0	653.6	688.1	722.5	756.9	791.3	823.6	855.9	887.8	920.0
20°	504.8	541.4	578.3	616.0	653.3	690.9	728.2	759.8	791.3	822.5	854.1
22.5°	415.9	446.0	475.8	521.7	567.2	613.1	658.7	717.5	775.9	834.7	893.2
25°	372.9	396.6	419.9	467.2	514.5	561.5	608.8	685.2	761.2	837.6	913.6
27.5°	357.8	366.1	374.3	417.4	460.0	503.1	545.7	628.2	710.7	792.8	875.2
30°	353.2	356.0	358.9	392.6	426.3	460.0	493.7	575.1	656.9	738.3	819.7
32.5°	298.0	304.4	310.5	343.5	376.1	409.1	441.7	523.8	605.6	687.7	769.5
35°	273.2	280.4	287.6	319.8	352.1	384.0	416.3	502.7	589.5	675.9	762.3
37.5°	268.2	273.6	279.0	315.5	352.1	388.7	425.2	512.7	600.2	687.7	775.2
40°	265.7	269.6	273.6	309.1	344.9	380.4	415.9	507.7	599.1	690.9	782.4
42.5°	268.9	273.6	277.9	310.1	342.1	374.3	406.2	501.3	595.9	690.9	785.6
45°	271.8	276.8	281.5	311.6	341.7	371.8	401.9	503.4	604.5	706.0	807.1
47.5°	278.6	279.7	280.4	306.6	332.4	358.6	384.4	487.6	590.9	693.8	797.1
50°	284.3	279.0	273.2	300.5	327.4	354.6	381.5	479.4	577.3	674.8	772.7
52.5°	275.4	267.1	259.2	288.6	318.0	347.1	376.5	474.4	572.6	670.5	768.4
55°	261.7	253.5	245.3	275.0	304.8	334.5	364.3	461.8	559.7	657.2	754.8
57.5°	248.1	242.7	237.4	261.7	286.5	310.9	335.2	441.0	546.4	652.2	757.6
60°	230.2	229.5	229.1	248.1	267.5	286.5	305.5	409.1	512.4	616.0	719.3
62.5°	214.8	216.6	218.0	233.4	248.8	263.9	279.3	379.3	479.7	579.8	679.8
65°	202.9	206.5	210.1	227.7	245.3	262.5	280.0	363.9	447.8	531.7	615.6
67.5°	188.6	192.9	197.2	220.2	243.1	266.0	289.0	358.2	427.4	496.6	565.8
70°	172.1	176.4	180.4	209.8	238.8	268.2	297.2	358.6	420.2	481.5	542.8
72.5°	152.7	156.3	159.9	191.5	223.0	254.6	286.1	338.1	390.1	441.7	493.7
75°	133.0	136.3	139.5	166.7	194.0	221.2	248.5	288.6	328.4	368.6	408.4
77.5°	111.2	114.0	116.5	134.8	153.1	171.4	189.7	220.5	251.0	281.8	312.3
80°	88.2	89.6	91.1	101.8	112.2	123.0	133.4	153.8	174.3	194.3	214.8
82.5°	64.5	64.5	64.5	71.4	78.5	85.3	92.1	102.5	112.6	123.0	133.0
85°	37.6	36.6	35.9	40.5	45.2	49.8	54.5	58.8	63.1	67.4	71.7
87.5°	6.1	4.7	3.6	6.5	9.3	12.2	15.1	16.5	18.3	19.7	21.2
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: P596312
 CATALOG NUMBER: MSA-SA3A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596312

CATALOG NUMBER: MSA-SA3A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1
2.5°	846.5	834.7	822.5	810.3	828.3	846.2	864.1	882.0	929.7	958.1	959.8
5°	953.8	968.8	983.9	998.9	1014.0	1029.0	1043.7	1058.8	1136.3	1183.9	1192.9
7.5°	934.7	959.8	984.6	1009.3	1052.0	1094.7	1137.3	1180.0	1245.6	1292.9	1324.1
10°	872.7	903.6	934.4	965.2	1015.8	1066.7	1117.3	1167.8	1237.4	1299.8	1329.5
12.5°	885.3	934.4	983.2	1032.3	1076.0	1120.1	1163.9	1207.6	1255.7	1279.3	1333.5
15°	969.9	1003.9	1038.0	1072.1	1138.0	1203.7	1269.6	1335.3	1362.5	1416.6	1465.4
17.5°	982.8	1045.2	1107.9	1170.3	1251.0	1331.7	1412.3	1493.0	1543.6	1613.5	1672.3
20°	942.6	1030.8	1119.4	1207.6	1311.6	1415.9	1519.9	1623.9	1688.1	1746.9	1837.9
22.5°	990.7	1088.2	1185.4	1282.9	1420.9	1558.6	1696.7	1834.4	1968.5	2099.7	2161.4
25°	1043.7	1174.3	1304.4	1434.6	1607.0	1779.1	1951.6	2123.7	2296.2	2419.2	2490.2
27.5°	1006.5	1137.3	1268.6	1399.4	1612.8	1826.5	2039.8	2253.1	2437.8	2585.9	2646.8
30°	980.3	1140.9	1301.5	1462.2	1712.4	1962.7	2213.0	2463.3	2633.9	2799.2	2888.9
32.5°	975.6	1181.8	1387.6	1593.8	1885.3	2176.4	2467.9	2759.1	2872.4	3019.0	3139.8
35°	988.5	1215.1	1441.4	1667.6	2001.8	2336.0	2669.8	3004.0	3164.9	3310.2	3415.9
37.5°	1028.0	1280.8	1533.2	1786.0	2188.6	2591.6	2994.3	3396.9	3666.9	3932.6	3979.9
40°	1050.2	1318.4	1586.2	1854.1	2322.3	2790.6	3258.9	3727.2	4037.7	4329.2	4348.9
42.5°	1076.4	1367.2	1657.6	1948.4	2467.6	2987.1	3506.3	4025.5	4409.8	4723.2	4732.5
45°	1106.5	1405.5	1704.9	2004.0	2546.1	3087.9	3630.0	4171.8	4636.5	5017.2	4924.4
47.5°	1118.3	1439.9	1761.2	2082.5	2660.5	3238.1	3816.1	4393.7	4810.7	5157.1	5068.1
50°	1123.0	1473.7	1824.0	2174.3	2773.0	3372.2	3971.0	4569.8	4993.9	5331.7	5195.4
52.5°	1152.0	1535.7	1919.3	2303.0	2926.9	3550.8	4174.6	4798.5	5215.9	5540.4	5371.1
55°	1191.1	1627.5	2063.5	2499.8	3145.6	3791.0	4436.7	5082.1	5500.9	5802.8	5593.1
57.5°	1227.3	1697.4	2167.1	2636.8	3305.9	3975.3	4644.3	5313.4	5737.6	6036.2	5832.9
60°	1209.8	1700.3	2190.8	2681.3	3338.8	3996.1	4653.7	5310.9	5792.4	6150.6	6046.6
62.5°	1156.7	1633.6	2110.1	2587.0	3211.2	3835.1	4459.3	5083.2	5646.9	6106.2	6101.5
65°	1054.5	1493.4	1931.9	2370.8	2948.4	3526.4	4104.0	4681.6	5346.0	5903.9	5940.1
67.5°	930.1	1294.4	1658.7	2023.0	2566.9	3110.8	3654.7	4198.7	4909.0	5524.6	5555.8
70°	809.6	1076.7	1343.5	1610.3	2087.9	2565.4	3042.7	3520.3	4237.7	4860.5	4889.2
72.5°	668.3	843.0	1017.2	1191.8	1578.7	1965.6	2352.1	2739.0	3369.0	3848.0	4009.7
75°	512.0	615.6	719.3	822.9	1135.9	1448.9	1761.6	2074.6	2493.4	2846.9	3029.1
77.5°	366.1	419.9	473.6	527.4	793.5	1059.5	1325.2	1591.3	1811.4	2011.8	2134.8
80°	240.2	265.3	290.8	315.9	537.1	758.3	979.2	1200.4	1334.5	1442.1	1504.1
82.5°	145.6	158.1	170.3	182.9	362.1	541.4	720.3	899.6	976.3	1027.6	1082.8
85°	78.5	85.3	92.1	99.0	214.1	328.8	443.9	558.6	566.2	572.3	654.4
87.5°	22.9	25.1	26.9	28.7	47.3	66.3	85.0	103.6	64.5	40.2	82.5
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: P596312
 CATALOG NUMBER: MSA-SA3A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596312

CATALOG NUMBER: MSA-SA3A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1
2.5°	949.4	944.8	940.1	935.1	930.4	910.7	891.4	871.6	851.9	870.9	889.6
5°	1182.5	1196.9	1210.8	1225.2	1239.5	1240.6	1241.3	1242.4	1243.1	1246.7	1250.3
7.5°	1350.3	1375.8	1400.9	1426.3	1451.8	1471.5	1491.2	1511.3	1531.0	1513.1	1495.2
10°	1364.7	1418.4	1472.2	1526.0	1579.8	1589.5	1598.8	1608.5	1618.2	1631.1	1643.6
12.5°	1379.0	1444.6	1509.9	1575.5	1641.1	1669.8	1698.1	1726.8	1755.1	1769.1	1782.7
15°	1530.7	1569.4	1607.8	1646.5	1684.8	1704.6	1723.9	1743.6	1763.4	1775.2	1786.7
17.5°	1725.7	1740.1	1754.0	1768.4	1782.7	1796.0	1809.3	1822.5	1835.8	1837.9	1840.1
20°	1903.6	1906.4	1908.9	1911.8	1914.3	1886.3	1858.7	1830.8	1802.8	1807.8	1812.5
22.5°	2170.3	2154.5	2139.1	2123.4	2107.9	2055.2	2002.9	1950.2	1897.8	1875.2	1853.0
25°	2571.9	2531.7	2491.6	2451.4	2411.3	2327.4	2243.8	2159.9	2076.4	2027.3	1978.5
27.5°	2701.3	2613.9	2526.7	2439.2	2351.7	2288.3	2225.2	2161.7	2098.6	2020.8	1943.0
30°	2963.1	2825.0	2687.4	2549.3	2411.3	2350.0	2288.6	2227.0	2165.7	2086.1	2006.8
32.5°	3195.1	3051.6	2908.2	2764.4	2621.0	2504.9	2388.7	2272.5	2156.3	2102.6	2048.8
35°	3463.6	3283.3	3102.9	2922.6	2742.2	2642.5	2543.2	2443.5	2344.2	2262.8	2181.8
37.5°	3854.8	3663.0	3471.2	3279.0	3087.1	2952.3	2817.9	2683.1	2548.6	2503.8	2459.3
40°	4227.7	4001.1	3774.8	3548.2	3322.0	3218.7	3115.5	3011.8	2908.6	2832.9	2757.3
42.5°	4540.0	4315.9	4092.2	3868.1	3644.3	3569.0	3494.1	3418.8	3343.9	3281.5	3219.1
45°	4647.2	4464.3	4281.8	4099.0	3916.1	3889.6	3863.4	3836.9	3810.7	3764.4	3718.2
47.5°	4819.7	4633.2	4447.1	4260.7	4074.2	4083.9	4093.6	4103.6	4113.3	4115.8	4118.0
50°	4921.1	4744.0	4567.2	4390.1	4213.4	4260.3	4306.9	4353.9	4400.9	4507.4	4613.5
52.5°	5069.2	4895.3	4721.8	4547.9	4374.0	4453.6	4532.8	4612.4	4691.7	4840.8	4990.0
55°	5255.0	5088.6	4922.6	4756.2	4590.2	4667.6	4744.7	4822.2	4899.3	5065.3	5231.3
57.5°	5501.3	5323.1	5145.2	4967.0	4789.2	4860.5	4931.5	5002.9	5073.9	5231.6	5389.4
60°	5781.7	5588.1	5394.4	5200.5	5006.8	5026.6	5045.9	5065.6	5085.0	5256.0	5426.7
62.5°	5919.4	5740.1	5561.2	5381.9	5202.6	5147.7	5092.9	5037.7	4982.8	5135.9	5288.7
65°	5800.0	5676.6	5553.6	5430.3	5306.9	5210.1	5113.7	5016.9	4920.1	5015.8	5111.2
67.5°	5419.9	5350.0	5280.4	5210.5	5140.6	4978.2	4815.7	4652.9	4490.5	4497.0	4503.1
70°	4803.9	4785.3	4767.0	4748.3	4729.7	4485.5	4241.7	3997.5	3753.3	3716.0	3678.8
72.5°	4023.3	4035.5	4047.3	4059.5	4071.7	3809.3	3546.8	3284.3	3021.9	2959.9	2897.8
75°	3116.2	3183.6	3251.0	3318.8	3386.2	3135.2	2884.2	2632.9	2381.9	2305.5	2229.1
77.5°	2201.9	2327.7	2453.2	2579.1	2704.9	2478.0	2251.4	2024.4	1797.4	1747.9	1698.5
80°	1535.3	1597.0	1658.7	1720.3	1782.0	1668.0	1554.0	1439.9	1325.9	1339.6	1352.8
82.5°	1118.3	1132.7	1146.7	1161.0	1175.3	1128.7	1082.1	1035.1	988.5	1024.0	1059.5
85°	716.4	767.7	818.6	869.8	920.8	869.1	817.5	765.5	713.9	737.5	761.2
87.5°	160.3	253.5	346.7	440.3	533.5	483.3	433.5	383.3	333.1	310.5	288.3
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: P596312
 CATALOG NUMBER: MSA-SA3A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596312

CATALOG NUMBER: MSA-SA3A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1
2.5°	908.6	927.6	921.8	916.5	910.7	905.0	915.4	925.8	936.5	946.9	943.4
5°	1254.2	1257.8	1223.7	1190.0	1156.0	1121.9	1143.1	1164.2	1185.4	1206.5	1199.0
7.5°	1477.2	1459.3	1439.6	1419.9	1399.8	1380.1	1375.8	1371.5	1366.8	1362.5	1356.8
10°	1656.5	1669.1	1656.2	1643.6	1630.7	1617.8	1587.7	1557.6	1527.1	1497.0	1484.4
12.5°	1796.7	1810.7	1813.9	1816.8	1820.0	1823.2	1789.5	1756.2	1722.5	1688.8	1658.3
15°	1798.5	1810.3	1820.7	1830.8	1841.2	1851.2	1830.4	1810.0	1789.2	1768.4	1758.7
17.5°	1842.6	1844.8	1836.2	1827.9	1819.3	1811.1	1802.8	1794.9	1786.7	1778.8	1763.4
20°	1817.5	1822.5	1821.4	1820.4	1818.9	1817.9	1818.6	1818.9	1819.7	1820.0	1811.4
22.5°	1830.4	1807.8	1812.5	1816.8	1821.4	1825.8	1838.7	1851.6	1864.8	1877.7	1912.2
25°	1929.4	1880.3	1872.7	1865.6	1858.0	1850.9	1884.6	1917.9	1951.6	1985.3	2041.2
27.5°	1864.8	1787.0	1769.8	1752.6	1735.4	1718.2	1769.5	1820.4	1871.6	1922.9	1979.9
30°	1927.2	1848.0	1810.0	1772.0	1733.6	1695.6	1744.7	1793.5	1842.6	1891.4	1954.5
32.5°	1995.0	1941.2	1915.7	1890.7	1865.2	1840.1	1844.0	1848.0	1851.9	1855.9	1944.8
35°	2100.4	2019.0	1993.9	1968.8	1943.7	1918.6	1960.6	2002.2	2044.1	2085.7	2161.0
37.5°	2414.5	2369.7	2324.5	2279.3	2233.8	2188.6	2213.3	2238.1	2262.8	2287.6	2358.6
40°	2681.6	2606.0	2598.4	2591.3	2583.7	2576.2	2578.4	2580.1	2582.3	2584.5	2645.0
42.5°	3156.3	3094.0	3055.6	3017.2	2978.9	2940.5	2938.0	2935.5	2932.6	2930.1	2975.6
45°	3671.6	3625.3	3596.6	3568.0	3538.9	3510.2	3464.7	3419.2	3373.3	3327.7	3367.5
47.5°	4120.5	4123.0	4175.0	4226.6	4278.6	4330.6	4252.8	4175.0	4097.2	4019.4	3968.1
50°	4720.0	4826.1	4838.7	4850.9	4863.4	4876.0	4744.0	4612.4	4480.5	4348.5	4294.7
52.5°	5139.5	5288.7	5269.3	5250.3	5230.9	5211.6	5135.2	5059.2	4982.8	4906.4	4789.2
55°	5397.7	5563.7	5549.0	5534.6	5519.9	5505.2	5449.6	5394.1	5338.5	5282.9	5154.2
57.5°	5547.2	5704.9	5709.2	5713.5	5717.8	5722.1	5707.4	5692.7	5678.0	5663.3	5495.9
60°	5597.7	5768.8	5770.6	5772.0	5773.8	5775.2	5751.9	5728.6	5704.9	5681.6	5572.3
62.5°	5441.8	5594.5	5601.3	5607.8	5614.6	5621.4	5605.3	5589.1	5573.0	5556.9	5475.8
65°	5206.9	5302.6	5304.4	5305.9	5307.7	5309.5	5268.6	5228.1	5187.2	5146.3	5127.0
67.5°	4509.5	4516.0	4554.0	4592.0	4630.0	4668.0	4671.2	4674.5	4678.0	4681.3	4653.3
70°	3641.5	3604.2	3645.4	3686.6	3727.9	3769.1	3786.7	3804.2	3822.2	3839.7	3852.7
72.5°	2835.4	2773.4	2803.9	2834.4	2865.2	2895.7	2869.5	2843.3	2817.2	2791.0	2873.8
75°	2152.8	2076.4	2072.4	2068.9	2064.9	2061.3	2048.1	2034.8	2021.2	2007.9	2085.3
77.5°	1648.6	1599.1	1601.7	1603.8	1606.3	1608.5	1594.8	1581.6	1568.0	1554.3	1584.1
80°	1366.4	1379.7	1380.1	1380.4	1380.8	1381.1	1368.2	1355.7	1342.8	1329.9	1308.4
82.5°	1095.4	1130.9	1130.5	1130.5	1130.2	1129.8	1129.1	1128.4	1127.3	1126.6	1091.4
85°	784.9	808.5	784.2	759.8	735.4	711.0	728.9	746.9	765.2	783.1	768.4
87.5°	265.7	243.5	214.4	185.7	156.7	127.6	158.8	190.0	221.6	252.8	270.7
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: P596312
 CATALOG NUMBER: MSA-SA3A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596312

CATALOG NUMBER: MSA-SA3A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1	779.1
2.5°	940.1	936.5	933.3	910.7	887.8	865.2	842.2	883.8	925.8	967.4	1009.0
5°	1191.8	1184.3	1177.1	1175.3	1173.5	1171.4	1169.6	1190.8	1211.9	1232.7	1253.9
7.5°	1351.0	1345.3	1339.6	1324.5	1309.8	1294.7	1279.7	1292.6	1305.1	1318.0	1330.6
10°	1472.2	1459.7	1447.1	1414.5	1382.2	1349.6	1317.0	1307.3	1297.6	1287.9	1278.2
12.5°	1627.8	1597.0	1566.5	1529.6	1492.3	1455.4	1418.1	1413.1	1408.0	1403.4	1398.4
15°	1749.4	1739.7	1730.0	1700.6	1671.2	1641.8	1612.4	1573.0	1533.2	1493.7	1454.3
17.5°	1748.3	1732.9	1717.8	1757.3	1796.4	1835.8	1874.9	1832.9	1790.6	1748.7	1706.7
20°	1802.8	1793.8	1785.2	1858.0	1930.5	2003.2	2075.7	2052.7	2029.4	2006.5	1983.2
22.5°	1946.2	1980.6	2014.7	2077.1	2139.1	2201.5	2263.5	2289.7	2315.9	2342.1	2368.2
25°	2096.8	2152.8	2208.7	2301.6	2394.1	2486.9	2579.8	2598.4	2617.1	2635.7	2654.4
27.5°	2036.6	2093.6	2150.6	2220.9	2290.8	2361.1	2431.0	2512.7	2594.8	2676.6	2758.3
30°	2017.2	2080.3	2143.1	2239.5	2335.6	2432.1	2528.5	2641.1	2753.7	2865.9	2978.5
32.5°	2033.4	2122.3	2211.2	2341.7	2471.9	2602.4	2732.9	2851.2	2969.9	3088.2	3206.5
35°	2235.9	2311.2	2386.2	2532.1	2678.0	2824.0	2969.9	3108.7	3247.4	3385.8	3524.6
37.5°	2429.2	2500.2	2571.2	2720.3	2869.1	3018.3	3167.5	3386.5	3606.0	3825.0	4044.1
40°	2705.3	2765.9	2826.1	2953.8	3081.4	3209.1	3336.7	3600.9	3865.2	4129.5	4393.7
42.5°	3020.8	3066.3	3111.5	3243.8	3376.1	3508.4	3640.7	3928.3	4216.2	4503.8	4791.3
45°	3407.0	3446.8	3486.6	3577.6	3668.7	3760.1	3851.2	4147.7	4444.3	4740.8	5037.3
47.5°	3916.8	3865.6	3814.3	3859.1	3903.9	3948.7	3993.6	4286.9	4580.2	4873.1	5166.4
50°	4241.0	4187.2	4133.4	4137.3	4140.9	4144.9	4148.8	4422.4	4696.0	4969.2	5242.8
52.5°	4671.9	4554.3	4437.1	4436.0	4434.9	4433.5	4432.4	4670.9	4909.7	5148.1	5386.5
55°	5025.5	4896.8	4768.0	4742.9	4717.8	4692.4	4667.3	4903.2	5138.8	5374.7	5610.3
57.5°	5328.5	5160.7	4993.2	4953.8	4914.3	4874.9	4835.4	5089.7	5344.2	5598.4	5852.7
60°	5463.3	5353.9	5244.9	5196.5	5148.1	5099.7	5051.3	5267.9	5484.4	5700.6	5917.2
62.5°	5395.1	5314.1	5233.4	5244.6	5255.7	5266.8	5277.9	5401.6	5525.7	5649.4	5773.1
65°	5107.9	5088.6	5069.6	5159.2	5248.9	5338.5	5428.1	5429.9	5431.7	5433.5	5435.3
67.5°	4625.3	4597.4	4569.4	4755.8	4941.9	5128.4	5314.8	5226.3	5137.7	5049.5	4960.9
70°	3865.2	3878.1	3890.7	4144.5	4398.0	4651.9	4905.7	4777.4	4648.6	4520.3	4391.6
72.5°	2956.6	3039.8	3122.6	3385.8	3649.0	3912.2	4175.4	4028.7	3881.7	3735.0	3588.0
75°	2162.8	2240.2	2317.7	2577.6	2837.6	3097.9	3357.9	3183.6	3009.3	2835.4	2661.2
77.5°	1613.8	1644.0	1673.7	1889.9	2105.8	2322.0	2537.8	2362.9	2187.9	2013.3	1838.3
80°	1287.2	1265.7	1244.5	1364.3	1484.1	1603.8	1723.6	1599.5	1475.1	1351.0	1227.0
82.5°	1056.7	1021.5	986.7	1031.2	1075.7	1120.5	1164.9	1065.6	966.3	867.0	767.7
85°	753.7	739.0	724.3	737.2	749.7	762.6	775.6	678.7	581.9	485.5	388.7
87.5°	288.3	306.2	324.1	344.6	364.6	385.1	405.2	317.3	229.5	142.0	54.1
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



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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



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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	779.1	779.1
2.5°	1026.2	1043.4
5°	1253.5	1253.1
7.5°	1324.9	1318.8
10°	1262.5	1246.7
12.5°	1351.7	1304.8
15°	1407.7	1360.7
17.5°	1636.1	1565.1
20°	1898.9	1814.3
22.5°	2239.5	2110.8
25°	2500.5	2346.4
27.5°	2666.9	2575.1
30°	2873.4	2768.4
32.5°	3129.1	3051.3
35°	3453.6	3382.2
37.5°	4021.9	3999.3
40°	4366.8	4339.6
42.5°	4792.4	4793.1
45°	5053.4	5069.6
47.5°	5207.3	5247.8
50°	5329.9	5416.7
52.5°	5505.2	5623.9
55°	5768.0	5925.4
57.5°	5986.8	6120.9
60°	5986.8	6056.0
62.5°	5771.3	5769.1
65°	5402.0	5368.3
67.5°	4918.6	4876.3
70°	4325.6	4259.3
72.5°	3505.9	3423.5
75°	2548.2	2434.9
77.5°	1784.5	1730.4
80°	1253.1	1279.3
82.5°	805.0	842.2
85°	382.9	377.2
87.5°	45.2	36.2
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0



REPORT NUMBER: P596312
CATALOG NUMBER: MSA-SA3A-722-U-SLR

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	0.0	0.0
115°	0.0	0.0
117.5°	0.0	0.0
120°	0.0	0.0
122.5°	0.0	0.0
125°	0.0	0.0
127.5°	0.0	0.0
130°	0.0	0.0
132.5°	0.0	0.0
135°	0.0	0.0
137.5°	0.0	0.0
140°	0.0	0.0
142.5°	0.0	0.0
145°	0.0	0.0
147.5°	0.0	0.0
150°	0.0	0.0
152.5°	0.0	0.0
155°	0.0	0.0
157.5°	0.0	0.0
160°	0.0	0.0
162.5°	0.0	0.0
165°	0.0	0.0
167.5°	0.0	0.0
170°	0.0	0.0
172.5°	0.0	0.0
175°	0.0	0.0
177.5°	0.0	0.0
180°	0.0	0.0

(END OF REPORT)