

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: P368482

Luminaire Tested: **MSA-SA4C-730-U-SLR**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P368482
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-24)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: MSA-SA4C-730-U-SLR
Description: MESA POST TOP DECORATIVE LUMINAIRE. (4) 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: 18772 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

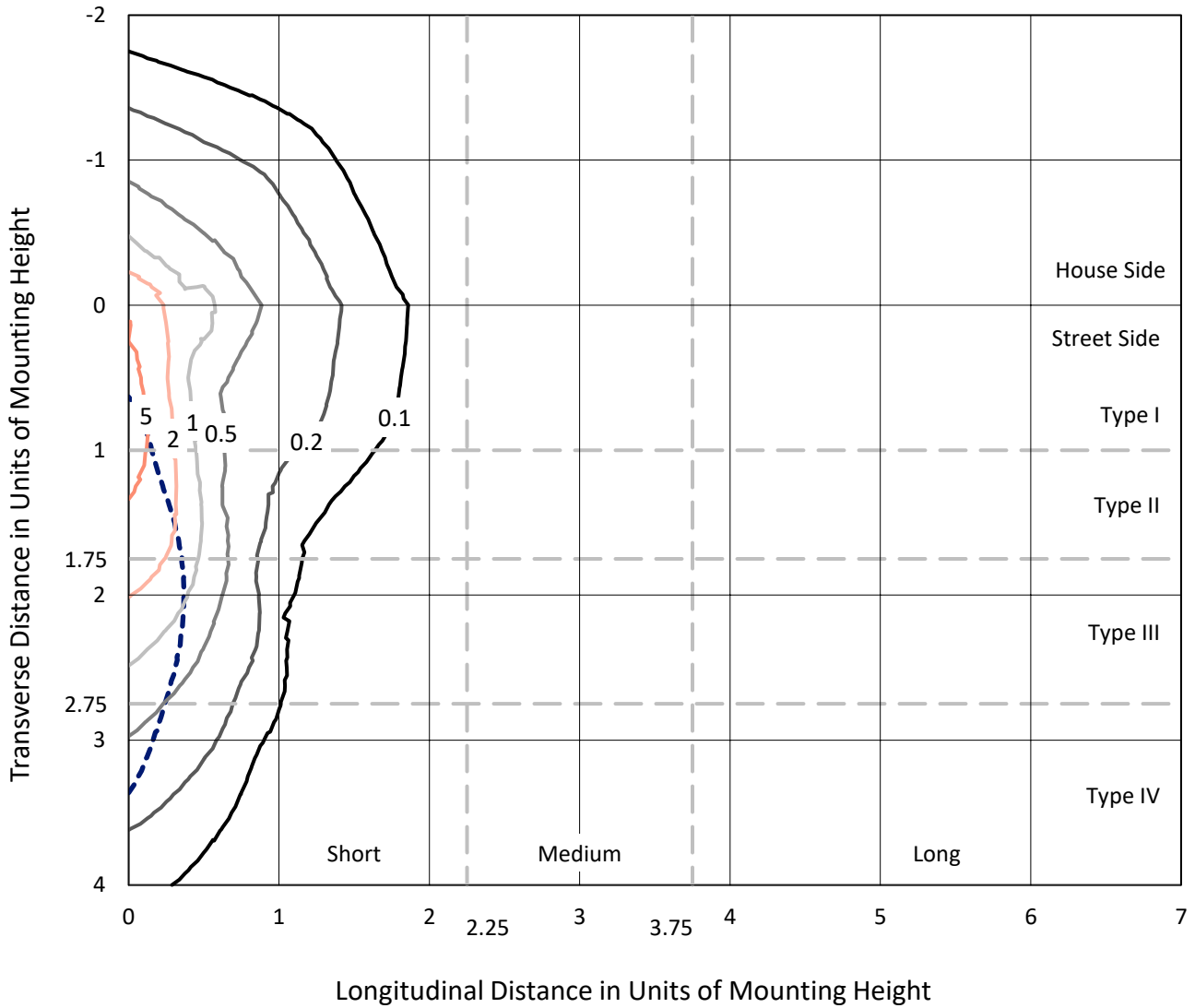
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

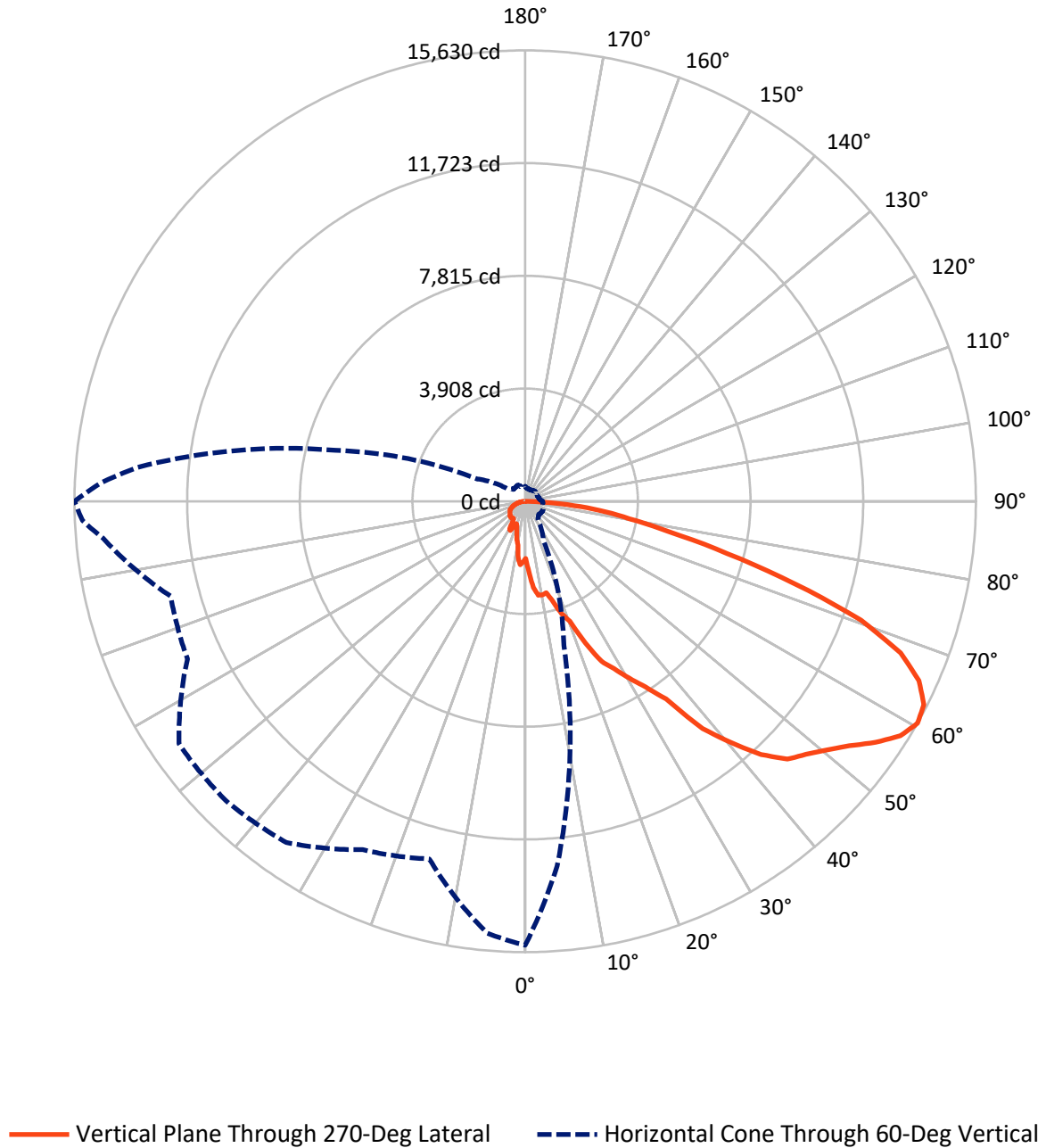
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot





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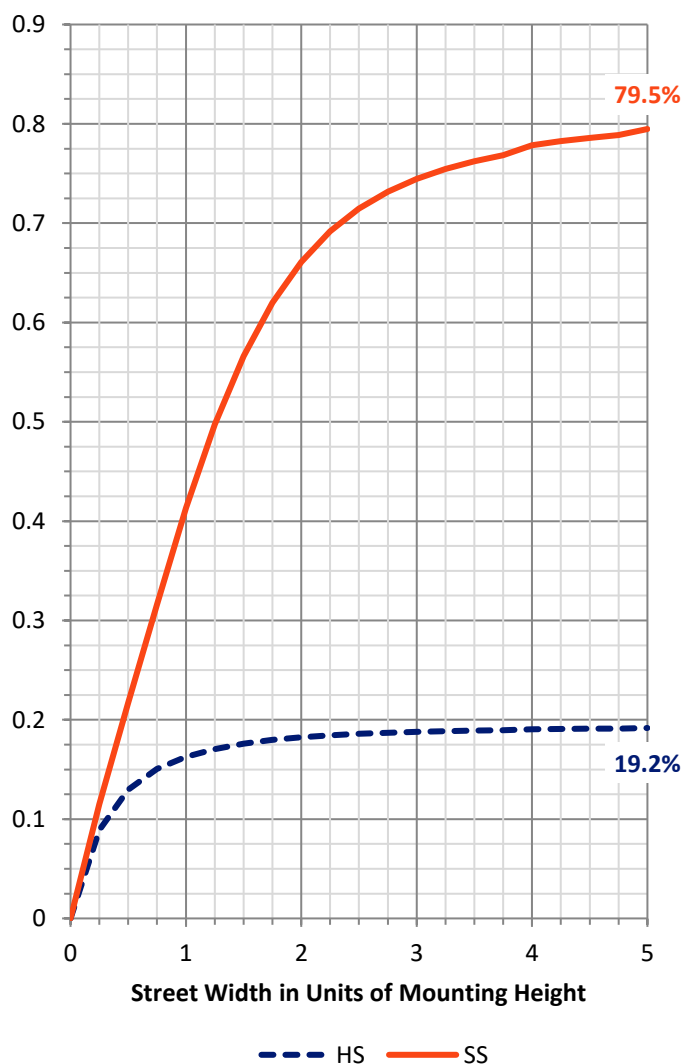
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3635.7	0.0	3635.7
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	15136.3	0.0	15136.3
	% Fixture	80.6	0.0	80.6
Total	Lumens	18772.0	0.0	18772.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.0	1.2
10°-20°	659.6	3.5
20°-30°	1164.4	6.2
30°-40°	1813.5	9.7
40°-50°	2985.7	15.9
50°-60°	4261.5	22.7
60°-70°	4518.8	24.1
70°-80°	2495.8	13.3
80°-90°	645.8	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°	18772.0	100.0
0°-180°	18772.0	100.0

Coefficient of Utilization



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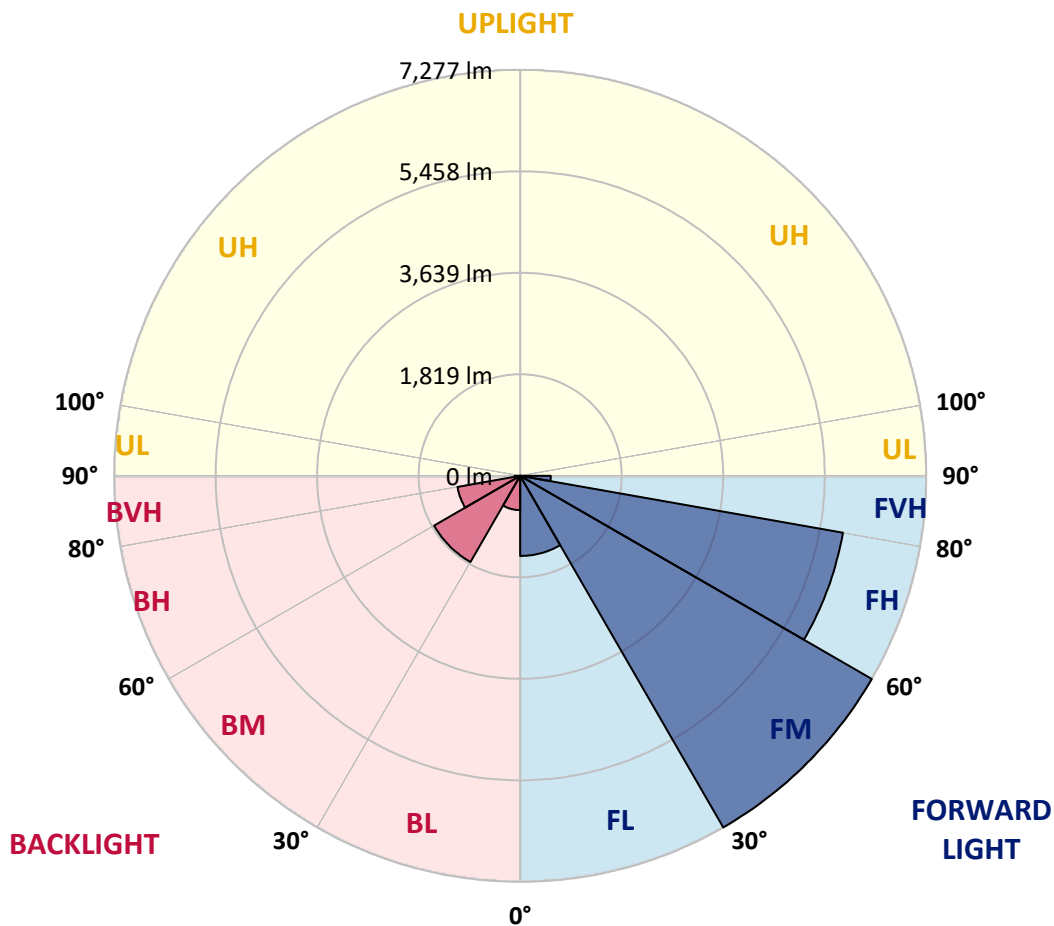
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1436.4	7.7			
FM (30°-60°)	7277.2	38.8			
FH (60°-80°)	5873.8	31.3			G3/7500
FVH (80°-90°)	548.8	2.9			G4/750
BL (0°-30°)	614.6	3.3	B2/1000		
BM (30°-60°)	1783.4	9.5	B2/2500		
BH (60°-80°)	1140.8	6.1	B3/2500		G3/2500
BVH (80°-90°)	96.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

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°	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0
2.5°	2651.5	2667.9	2683.4	2652.4	2621.4	2589.5	2558.5	2512.1	2464.7	2418.2	2370.8
5°	3184.5	3124.4	3063.3	3038.7	3015.0	2990.4	2965.8	2943.1	2920.3	2896.6	2873.8
7.5°	3351.3	3265.6	3179.0	3142.6	3106.2	3068.8	3032.3	2950.3	2868.3	2785.4	2703.4
10°	3168.1	3078.8	2988.6	2953.1	2916.6	2881.1	2844.7	2744.4	2645.1	2544.9	2444.6
12.5°	3315.7	3224.6	3132.6	3019.6	2906.6	2792.7	2679.7	2624.1	2568.6	2512.1	2456.5
15°	3457.9	3334.9	3210.9	3098.0	2985.0	2871.1	2758.1	2646.9	2535.8	2424.6	2313.4
17.5°	3977.2	3772.2	3567.2	3363.1	3158.1	2954.0	2749.0	2620.5	2491.1	2362.6	2233.3
20°	4610.5	4325.3	4039.2	3729.4	3418.7	3108.9	2798.2	2636.0	2474.7	2312.5	2150.3
22.5°	5364.0	5004.1	4644.2	4253.3	3862.4	3470.6	3079.7	2844.7	2609.6	2373.6	2138.5
25°	5962.6	5616.4	5270.2	4774.5	4278.8	3783.1	3287.5	3020.5	2753.5	2485.7	2218.7
27.5°	6544.0	5992.7	5440.6	4872.9	4306.2	3738.5	3170.8	2923.9	2677.0	2430.1	2183.1
30°	7035.1	6597.7	6160.4	5419.6	4678.8	3937.1	3196.4	2892.9	2589.5	2286.1	1982.7
32.5°	7754.0	7129.8	6504.8	5732.1	4959.5	4186.8	3414.1	3026.0	2637.8	2249.7	1861.5
35°	8595.0	7946.3	7297.5	6341.7	5386.8	4431.0	3475.2	3064.2	2652.4	2241.5	1829.6
37.5°	10163.1	9019.6	7875.2	6831.9	5788.6	4744.4	3701.1	3223.7	2746.2	2267.9	1790.4
40°	11027.8	9970.9	8913.9	7613.7	6313.4	5012.3	3712.1	3223.7	2734.4	2246.0	1756.7
42.5°	12180.4	10843.7	9506.2	8100.2	6695.2	5289.3	3883.4	3342.1	2800.9	2258.8	1717.5
45°	12882.9	11393.2	9902.5	8400.0	6897.5	5395.0	3892.5	3343.1	2793.6	2244.2	1694.8
47.5°	13335.8	11905.3	10473.8	8856.5	7239.2	5621.0	4003.6	3420.5	2836.4	2253.3	1669.3
50°	13764.9	12348.1	10930.3	9251.0	7572.7	5893.4	4214.1	3577.2	2940.3	2302.5	1665.6
52.5°	14291.6	12986.8	11681.1	9879.7	8077.5	6276.1	4473.8	3780.4	3087.0	2393.6	1700.2
55°	15057.9	13772.2	12485.7	10552.2	8617.8	6684.3	4749.9	3980.0	3210.9	2441.0	1671.1
57.5°	15554.5	14250.6	12946.7	10975.0	9003.2	7030.5	5058.8	4205.9	3353.1	2499.3	1646.5
60°	15389.5	14044.7	12698.9	10819.1	8939.4	7059.7	5180.0	4258.8	3338.5	2417.3	1496.1
62.5°	14660.6	13231.0	11801.4	10117.6	8434.6	6750.8	5067.0	4130.3	3194.5	2257.9	1321.2
65°	13641.9	12164.0	10685.2	9166.3	7647.4	6128.5	4609.6	3759.5	2908.4	2058.3	1207.3
67.5°	12391.8	10851.0	9309.3	7964.5	6619.6	5273.8	3928.9	3218.2	2508.4	1797.7	1087.0
70°	10823.7	9309.3	7795.0	6631.4	5467.9	4304.3	3140.8	2605.9	2072.0	1537.1	1002.3
72.5°	8699.8	7393.2	6086.6	5170.8	4255.1	3339.4	2423.7	2051.9	1681.1	1309.3	937.6
75°	6187.7	5419.6	4651.5	3939.0	3226.4	2513.0	1800.5	1559.9	1319.4	1078.8	838.3
77.5°	4397.3	3944.4	3491.6	2933.0	2374.5	1815.9	1257.4	1116.2	975.9	834.6	693.4
80°	3251.0	2872.9	2494.8	2073.8	1652.8	1231.9	810.9	741.7	673.3	604.1	534.9
82.5°	2140.3	1969.9	1798.6	1465.1	1131.7	798.2	464.7	439.2	413.7	388.2	362.6
85°	958.5	1012.3	1065.1	861.0	656.0	451.9	246.9	235.1	223.2	211.4	199.5
87.5°	92.0	135.8	179.5	154.0	127.6	102.1	75.6	74.7	74.7	73.8	72.9
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



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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°	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0
2.5°	2383.6	2396.4	2409.1	2421.9	2408.2	2394.5	2380.0	2366.3	2349.0	2331.7	2313.4
5°	2835.5	2796.4	2758.1	2718.9	2660.6	2602.3	2543.1	2484.7	2477.5	2469.3	2462.0
7.5°	2631.4	2560.4	2488.4	2416.4	2325.3	2235.1	2144.0	2052.8	2025.5	1998.2	1970.8
10°	2396.4	2347.2	2298.9	2249.7	2193.2	2136.7	2079.3	2022.8	1948.1	1872.4	1797.7
12.5°	2376.3	2296.1	2215.0	2134.9	2100.2	2065.6	2031.0	1996.4	1930.8	1865.2	1798.6
15°	2248.7	2183.1	2118.5	2052.8	2002.7	1952.6	1902.5	1852.4	1799.5	1745.8	1692.9
17.5°	2158.5	2083.8	2009.1	1934.4	1877.0	1819.6	1761.3	1703.9	1640.1	1575.4	1511.6
20°	2064.7	1980.0	1894.3	1808.7	1735.8	1663.8	1590.9	1518.0	1447.8	1378.6	1308.4
22.5°	2026.4	1914.4	1802.3	1690.2	1613.7	1536.2	1459.7	1382.2	1317.5	1252.8	1188.2
25°	2084.7	1951.7	1817.8	1683.8	1580.9	1477.0	1374.0	1270.2	1216.4	1162.6	1108.0
27.5°	2016.4	1848.7	1682.0	1514.4	1404.1	1292.9	1182.7	1071.5	1063.3	1055.1	1046.0
30°	1806.8	1631.0	1455.1	1279.3	1178.1	1076.1	974.9	872.9	853.8	833.7	814.6
32.5°	1682.0	1502.5	1323.0	1143.5	1053.3	962.2	872.0	780.9	759.0	737.1	715.3
35°	1634.6	1439.6	1244.6	1049.7	972.2	894.8	817.3	739.9	724.4	709.8	694.3
37.5°	1596.4	1403.2	1209.1	1015.0	940.3	865.6	790.0	715.3	703.4	691.6	679.7
40°	1559.9	1364.0	1167.2	970.4	903.9	838.3	771.8	705.2	698.0	690.7	682.5
42.5°	1527.1	1336.7	1145.3	954.9	895.7	837.4	778.1	718.9	711.6	704.3	697.0
45°	1508.9	1323.0	1137.1	951.3	908.4	865.6	821.9	779.0	761.7	744.4	726.2
47.5°	1495.2	1321.2	1147.2	973.1	928.5	883.8	839.2	794.5	779.0	763.6	747.2
50°	1498.0	1331.2	1163.6	995.9	942.1	887.5	833.7	779.0	777.2	775.4	773.6
52.5°	1522.6	1345.8	1168.1	990.4	932.1	873.8	814.6	756.3	768.1	779.0	790.9
55°	1487.0	1303.0	1118.0	933.9	878.4	823.7	768.1	712.5	728.0	742.6	758.1
57.5°	1446.9	1247.4	1047.8	848.3	806.4	764.5	721.6	679.7	696.1	713.4	729.8
60°	1313.9	1131.7	949.4	767.2	739.0	710.7	682.5	654.2	661.5	668.8	676.1
62.5°	1168.1	1014.1	861.0	707.1	685.2	662.4	640.5	617.8	617.8	618.7	618.7
65°	1075.2	943.1	810.9	678.8	654.2	629.6	604.1	579.5	575.9	572.2	568.6
67.5°	982.2	878.4	773.6	668.8	633.3	598.6	563.1	527.6	523.0	519.4	514.8
70°	909.3	816.4	723.5	630.5	590.4	551.3	511.2	471.1	467.4	464.7	461.0
72.5°	850.1	763.6	676.1	588.6	546.7	503.9	462.0	419.1	416.4	413.7	410.0
75°	760.8	684.3	606.8	529.4	488.4	448.3	407.3	366.3	362.6	359.9	356.3
77.5°	629.6	564.9	501.1	436.4	404.6	373.6	341.7	309.8	308.0	306.2	303.4
80°	484.7	434.6	383.6	333.5	312.5	290.7	269.7	247.8	246.9	246.0	244.2
82.5°	332.6	302.5	272.4	242.4	226.9	210.5	195.0	178.6	179.5	180.4	181.3
85°	189.5	178.6	168.6	157.6	144.9	133.0	120.3	107.5	110.3	113.0	114.8
87.5°	69.2	65.6	62.0	58.3	51.9	46.5	40.1	33.7	35.5	38.3	40.1
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: P368482
 CATALOG NUMBER: MSA-SA4C-730-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: P368482

CATALOG NUMBER: MSA-SA4C-730-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0
2.5°	2296.1	2268.8	2241.5	2214.1	2186.8	2130.3	2074.7	2018.2	1961.7	1996.4	2031.9
5°	2453.8	2407.3	2359.9	2313.4	2266.1	2239.6	2213.2	2186.8	2160.4	2174.0	2188.6
7.5°	1943.5	1916.2	1887.9	1860.6	1832.3	1820.5	1809.6	1797.7	1785.9	1819.6	1853.3
10°	1722.1	1683.8	1645.6	1606.4	1568.1	1545.3	1522.6	1499.8	1477.0	1486.1	1495.2
12.5°	1733.0	1676.5	1620.0	1563.6	1507.1	1473.4	1439.6	1405.9	1372.2	1380.4	1388.6
15°	1639.2	1580.9	1522.6	1464.2	1405.9	1366.7	1326.7	1287.5	1247.4	1233.7	1219.1
17.5°	1446.9	1383.1	1319.4	1255.6	1191.8	1165.4	1139.0	1112.5	1086.1	1071.5	1056.9
20°	1238.3	1179.0	1119.8	1060.6	1001.4	983.1	964.9	945.8	927.6	918.5	908.4
22.5°	1123.5	1087.0	1049.7	1013.2	975.9	954.9	934.9	913.9	892.9	882.9	872.0
25°	1054.2	1061.5	1069.7	1077.0	1084.3	1075.2	1065.1	1056.0	1046.0	1049.7	1052.4
27.5°	1037.8	1053.3	1069.7	1085.2	1100.7	1108.9	1117.1	1125.3	1133.5	1136.2	1139.0
30°	794.5	802.7	810.0	818.2	825.5	848.3	871.1	892.9	915.7	951.3	987.7
32.5°	693.4	690.7	687.9	684.3	681.5	687.0	692.5	697.0	702.5	715.3	728.9
35°	678.8	672.4	665.1	658.8	651.5	654.2	656.9	659.7	662.4	672.4	682.5
37.5°	667.9	665.1	663.3	660.6	657.9	664.2	669.7	676.1	681.5	689.8	698.0
40°	675.2	674.3	673.3	671.5	670.6	674.3	677.9	681.5	685.2	696.1	707.1
42.5°	689.8	689.8	688.8	688.8	687.9	691.6	694.3	698.0	700.7	707.1	713.4
45°	708.9	707.1	706.2	704.3	702.5	701.6	701.6	700.7	699.8	703.4	708.0
47.5°	731.7	725.3	718.0	711.6	704.3	702.5	699.8	698.0	695.2	697.0	698.9
50°	771.8	754.4	738.0	720.7	703.4	698.9	694.3	689.8	685.2	684.3	684.3
52.5°	801.8	776.3	750.8	725.3	699.8	691.6	683.4	675.2	667.0	665.1	664.2
55°	772.7	753.5	735.3	716.2	697.0	685.2	672.4	660.6	647.8	645.1	642.4
57.5°	746.2	734.4	722.6	710.7	698.9	687.0	674.3	662.4	649.7	643.3	636.9
60°	683.4	683.4	684.3	684.3	684.3	671.5	658.8	646.0	633.3	626.9	621.4
62.5°	618.7	628.7	637.8	647.8	656.9	639.6	621.4	604.1	585.9	581.3	577.7
65°	564.9	567.7	571.3	574.0	576.8	563.1	549.4	535.8	522.1	519.4	515.7
67.5°	510.3	509.3	508.4	506.6	505.7	497.5	488.4	480.2	471.1	467.4	463.8
70°	457.4	456.5	455.6	453.8	452.8	445.6	438.3	431.0	423.7	421.0	418.2
72.5°	407.3	406.4	404.6	403.6	401.8	395.4	390.0	383.6	377.2	373.6	369.9
75°	352.6	350.8	349.0	347.2	345.3	339.9	334.4	328.0	322.6	318.9	315.3
77.5°	301.6	298.9	296.1	292.5	289.7	285.2	279.7	275.2	269.7	265.1	261.5
80°	243.3	241.5	239.6	236.9	235.1	230.5	226.0	220.5	215.9	210.5	205.9
82.5°	182.2	181.3	179.5	178.6	176.8	172.2	167.7	163.1	158.5	153.1	147.6
85°	117.5	116.6	115.7	114.8	113.9	110.3	107.5	103.9	100.2	94.8	90.2
87.5°	41.9	40.1	39.2	37.4	35.5	34.6	32.8	31.9	30.1	27.3	24.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368482
 CATALOG NUMBER: MSA-SA4C-730-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: P368482

CATALOG NUMBER: MSA-SA4C-730-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0
2.5°	2066.5	2101.1	2102.1	2102.1	2118.5	2133.9	2102.1	2070.2	2037.4	2005.5	1973.6
5°	2202.3	2215.9	2212.3	2207.7	2187.7	2167.7	2146.7	2125.7	2104.8	2083.8	2084.7
7.5°	1887.0	1920.7	1948.1	1974.5	1949.0	1923.5	1909.8	1896.1	1882.5	1868.8	1867.0
10°	1503.4	1512.5	1523.5	1533.5	1518.0	1501.6	1528.9	1556.3	1582.7	1610.0	1580.0
12.5°	1396.8	1405.0	1385.9	1365.8	1359.5	1353.1	1346.7	1339.4	1333.0	1325.7	1322.1
15°	1205.5	1190.9	1176.3	1160.8	1157.2	1152.6	1148.1	1142.6	1138.0	1132.6	1116.2
17.5°	1042.4	1027.8	1003.2	977.7	967.7	956.7	954.0	951.3	947.6	944.9	929.4
20°	899.3	889.3	882.9	875.6	865.6	855.6	845.6	835.5	824.6	814.6	800.0
22.5°	862.0	851.0	842.8	833.7	831.9	830.1	811.8	792.7	774.5	755.4	747.2
25°	1056.0	1058.8	1008.7	957.6	953.1	948.5	915.7	882.0	849.2	815.5	787.2
27.5°	1140.8	1143.5	1141.7	1139.9	1125.3	1109.8	1054.2	997.7	942.1	885.7	845.6
30°	1023.2	1058.8	1072.4	1086.1	1076.1	1065.1	1006.8	949.4	891.1	832.8	806.4
32.5°	741.7	754.4	777.2	799.1	810.9	821.9	803.6	785.4	767.2	749.0	744.4
35°	691.6	701.6	706.2	710.7	703.4	696.1	682.5	668.8	654.2	640.5	637.8
37.5°	705.2	713.4	722.6	731.7	711.6	690.7	675.2	660.6	645.1	629.6	616.9
40°	718.0	728.9	734.4	739.9	719.8	699.8	680.6	662.4	643.3	624.1	611.4
42.5°	719.8	726.2	736.2	746.2	718.0	688.8	671.5	653.3	636.0	617.8	605.0
45°	711.6	715.3	724.4	733.5	700.7	667.0	651.5	635.1	619.6	603.2	592.3
47.5°	699.8	701.6	708.9	715.3	680.6	645.1	630.5	615.9	600.5	585.9	574.9
50°	683.4	682.5	687.9	692.5	656.9	621.4	606.8	593.2	578.6	564.0	554.9
52.5°	662.4	660.6	666.1	670.6	633.3	595.9	583.1	571.3	558.5	545.8	538.5
55°	638.7	636.0	640.5	645.1	608.7	571.3	560.4	548.5	537.6	525.7	519.4
57.5°	629.6	623.2	626.0	628.7	587.7	546.7	535.8	524.8	513.9	503.0	498.4
60°	615.0	608.7	611.4	613.2	569.5	524.8	514.8	503.9	493.9	482.9	478.4
62.5°	573.1	568.6	572.2	575.9	536.7	496.6	487.5	479.3	470.2	461.0	454.7
65°	513.0	509.3	516.6	523.9	490.2	456.5	451.0	445.6	439.2	433.7	427.3
67.5°	460.1	456.5	463.8	471.1	446.5	421.9	416.4	410.9	405.5	400.0	396.4
70°	415.5	412.8	419.1	425.5	404.6	383.6	378.1	373.6	368.1	362.6	359.9
72.5°	365.4	361.7	369.9	377.2	359.9	341.7	337.1	331.7	327.1	321.6	319.8
75°	311.6	308.0	315.3	321.6	309.8	297.0	292.5	287.9	283.4	278.8	277.9
77.5°	256.9	252.4	259.7	266.1	258.8	250.6	246.9	242.4	238.7	234.2	234.2
80°	200.5	195.0	200.5	205.0	202.3	199.5	196.8	193.2	190.4	186.8	187.7
82.5°	142.1	136.7	139.4	142.1	144.0	145.8	145.8	145.8	145.8	145.8	145.8
85°	84.7	79.3	80.2	81.1	83.8	86.6	87.5	88.4	89.3	90.2	91.1
87.5°	21.9	19.1	17.3	14.6	17.3	19.1	21.0	21.9	23.7	24.6	24.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368482
 CATALOG NUMBER: MSA-SA4C-730-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: P368482

CATALOG NUMBER: MSA-SA4C-730-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0
2.5°	1941.7	1908.9	1877.0	1897.0	1916.2	1936.2	1955.4	1956.3	1956.3	1957.2	1957.2
5°	2086.6	2087.5	2088.4	2069.3	2051.0	2031.9	2012.8	2002.7	1992.7	1981.8	1971.8
7.5°	1864.2	1862.4	1859.7	1841.5	1823.2	1805.0	1786.8	1743.1	1698.4	1654.7	1610.0
10°	1549.0	1518.9	1487.9	1480.6	1474.3	1467.0	1459.7	1447.8	1436.9	1425.1	1413.2
12.5°	1318.5	1314.8	1311.2	1292.0	1272.9	1252.8	1233.7	1233.7	1233.7	1233.7	1233.7
15°	1098.9	1082.5	1065.1	1056.0	1046.0	1036.9	1026.9	1022.3	1017.8	1013.2	1008.7
17.5°	913.0	897.5	881.1	879.3	877.4	875.6	873.8	869.2	864.7	860.1	855.6
20°	785.4	770.8	756.3	761.7	767.2	771.8	777.2	772.7	768.1	762.6	758.1
22.5°	738.0	729.8	720.7	716.2	711.6	706.2	701.6	701.6	702.5	702.5	702.5
25°	759.9	731.7	703.4	689.8	676.1	661.5	647.8	642.4	637.8	632.3	626.9
27.5°	805.5	764.5	724.4	700.7	677.0	653.3	629.6	619.6	608.7	598.6	587.7
30°	779.0	752.6	725.3	698.0	670.6	643.3	615.9	603.2	590.4	576.8	564.0
32.5°	739.9	734.4	729.8	704.3	678.8	652.4	626.9	621.4	616.9	611.4	605.9
35°	634.2	631.4	627.8	621.4	615.0	608.7	602.3	595.0	587.7	580.4	573.1
37.5°	605.0	592.3	579.5	576.8	574.0	571.3	568.6	565.8	563.1	559.5	556.7
40°	598.6	585.9	573.1	568.6	564.0	558.5	554.0	554.9	556.7	557.6	558.5
42.5°	591.3	578.6	564.9	561.3	557.6	554.0	550.3	551.3	553.1	554.0	554.9
45°	582.2	571.3	560.4	554.0	548.5	542.1	535.8	541.2	546.7	551.3	556.7
47.5°	564.0	552.2	541.2	537.6	533.9	529.4	525.7	531.2	536.7	541.2	546.7
50°	544.9	535.8	525.7	524.8	523.9	522.1	521.2	524.8	528.5	532.1	535.8
52.5°	530.3	523.0	514.8	514.8	513.9	513.9	513.0	516.6	520.3	523.0	526.7
55°	513.9	507.5	501.1	502.1	503.9	504.8	505.7	509.3	513.9	517.5	521.2
57.5°	492.9	488.4	482.9	486.6	489.3	492.9	495.7	498.4	502.1	504.8	507.5
60°	472.9	468.3	462.9	466.5	471.1	474.7	478.4	481.1	483.8	486.6	489.3
62.5°	448.3	441.0	434.6	440.1	444.6	450.1	454.7	456.5	459.2	461.0	462.9
65°	421.9	415.5	409.1	412.8	416.4	419.1	422.8	425.5	428.2	431.0	433.7
67.5°	391.8	388.2	383.6	386.3	389.1	391.8	394.5	395.4	395.4	396.4	396.4
70°	356.3	353.5	349.9	351.7	354.4	356.3	358.1	358.1	358.1	357.2	357.2
72.5°	318.9	317.1	315.3	316.2	318.0	318.9	319.8	318.9	318.0	317.1	316.2
75°	277.0	276.1	275.2	276.1	277.9	278.8	279.7	278.8	277.0	276.1	274.3
77.5°	235.1	235.1	235.1	235.1	236.0	236.0	236.0	234.2	232.3	230.5	228.7
80°	188.6	189.5	190.4	190.4	190.4	190.4	190.4	188.6	186.8	184.1	182.2
82.5°	145.8	145.8	145.8	145.8	146.7	146.7	146.7	142.1	138.5	133.9	129.4
85°	91.1	92.0	92.0	92.9	93.8	93.8	94.8	88.4	82.9	76.5	70.2
87.5°	24.6	24.6	24.6	24.6	24.6	23.7	23.7	18.2	11.8	6.4	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



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CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0
2.5°	1962.6	1968.1	1972.7	1978.1	1979.0	1980.0	1980.0	1980.9	1961.7	1942.6	1922.6
5°	1985.4	1998.2	2011.8	2024.6	2021.9	2019.1	2016.4	2013.7	2008.2	2003.6	1998.2
7.5°	1600.0	1590.9	1580.9	1570.8	1579.0	1587.2	1595.4	1603.6	1607.3	1610.9	1613.7
10°	1390.4	1367.7	1344.9	1322.1	1309.3	1295.7	1282.9	1269.2	1267.4	1266.5	1264.7
12.5°	1210.0	1185.4	1161.7	1137.1	1129.8	1121.6	1114.4	1106.2	1113.4	1120.7	1127.1
15°	998.6	989.5	979.5	969.5	977.7	985.9	994.1	1002.3	1009.6	1015.9	1023.2
17.5°	851.0	847.4	842.8	838.3	845.6	853.8	861.0	868.3	884.7	901.1	917.5
20°	754.4	751.7	748.1	744.4	741.7	738.0	735.3	731.7	755.4	778.1	801.8
22.5°	697.0	691.6	686.1	680.6	681.5	682.5	682.5	683.4	702.5	722.6	741.7
25°	625.1	623.2	621.4	619.6	625.1	630.5	635.1	640.5	657.9	675.2	691.6
27.5°	588.6	589.5	590.4	591.3	598.6	606.8	614.1	621.4	633.3	645.1	656.9
30°	568.6	574.0	578.6	583.1	585.9	588.6	591.3	594.1	605.9	616.9	628.7
32.5°	598.6	591.3	583.1	575.9	579.5	584.1	587.7	591.3	602.3	613.2	624.1
35°	570.4	566.7	564.0	560.4	564.9	569.5	573.1	577.7	587.7	596.8	606.8
37.5°	555.8	554.9	554.0	553.1	555.8	558.5	560.4	563.1	572.2	581.3	589.5
40°	554.9	550.3	546.7	542.1	544.9	547.6	549.4	552.2	563.1	574.0	585.0
42.5°	549.4	544.0	537.6	532.1	534.9	538.5	541.2	544.0	555.8	566.7	578.6
45°	548.5	540.3	531.2	523.0	526.7	530.3	533.9	537.6	546.7	555.8	564.0
47.5°	538.5	530.3	522.1	513.9	515.7	517.5	518.5	520.3	528.5	535.8	544.0
50°	530.3	523.9	518.5	512.1	509.3	507.5	504.8	502.1	508.4	514.8	521.2
52.5°	520.3	513.9	506.6	500.2	496.6	492.9	489.3	485.6	491.1	495.7	501.1
55°	513.9	505.7	498.4	490.2	485.6	481.1	476.5	472.0	475.6	478.4	482.0
57.5°	500.2	492.9	484.7	477.4	472.0	466.5	460.1	454.7	456.5	458.3	460.1
60°	482.0	473.8	466.5	458.3	451.9	445.6	438.3	431.9	432.8	434.6	435.5
62.5°	455.6	448.3	440.1	432.8	425.5	419.1	411.8	404.6	406.4	407.3	409.1
65°	426.4	418.2	410.9	402.7	396.4	390.0	382.7	376.3	378.1	380.0	380.9
67.5°	390.9	384.5	379.0	372.7	367.2	360.8	355.4	349.0	349.9	350.8	351.7
70°	352.6	347.2	342.6	337.1	332.6	328.0	323.5	318.9	318.9	319.8	319.8
72.5°	311.6	307.1	302.5	298.0	293.4	289.7	285.2	280.6	282.5	284.3	285.2
75°	269.7	266.1	261.5	256.9	253.3	249.7	245.1	241.5	243.3	245.1	246.0
77.5°	226.0	223.2	219.6	216.9	213.2	209.6	205.0	201.4	203.2	205.0	205.9
80°	180.4	178.6	175.9	174.0	170.4	166.7	163.1	159.5	160.4	160.4	161.3
82.5°	130.3	131.2	131.2	132.1	129.4	125.7	123.0	119.4	119.4	119.4	118.5
85°	72.9	76.5	79.3	82.0	79.3	76.5	73.8	71.1	70.2	70.2	69.2
87.5°	2.7	4.6	7.3	9.1	8.2	7.3	5.5	4.6	5.5	6.4	6.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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: P368482

CATALOG NUMBER: MSA-SA4C-730-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0
2.5°	1903.4	1918.9	1934.4	1949.9	1965.4	1989.1	2012.8	2037.4	2062.0	2048.3	2033.7
5°	1992.7	2001.8	2011.8	2021.0	2030.1	2056.5	2082.0	2113.9	2144.9	2141.2	2136.7
7.5°	1617.3	1630.1	1642.8	1654.7	1667.4	1707.5	1747.6	1781.3	1815.0	1810.5	1805.0
10°	1262.9	1289.3	1316.6	1343.1	1369.5	1402.3	1434.2	1462.4	1490.7	1538.0	1584.5
12.5°	1134.4	1175.4	1216.4	1257.4	1298.4	1322.1	1344.9	1381.3	1417.8	1443.3	1469.7
15°	1029.6	1067.9	1106.2	1144.4	1182.7	1184.5	1186.3	1224.6	1262.9	1284.7	1305.7
17.5°	933.9	954.9	975.9	995.9	1016.9	1009.6	1002.3	1020.5	1037.8	1046.9	1056.9
20°	824.6	839.2	853.8	868.3	882.9	892.9	902.1	913.0	923.0	913.9	903.9
22.5°	760.8	782.7	805.5	827.3	849.2	855.6	861.0	854.7	848.3	845.6	842.8
25°	708.9	735.3	762.6	789.1	815.5	828.2	841.0	846.5	851.0	841.0	831.0
27.5°	668.8	700.7	731.7	763.6	794.5	817.3	840.1	846.5	851.9	844.6	836.4
30°	639.6	674.3	708.9	743.5	778.1	812.8	846.5	876.5	905.7	903.0	900.2
32.5°	635.1	658.8	682.5	706.2	729.8	751.7	772.7	774.5	775.4	768.1	759.9
35°	615.9	631.4	646.9	662.4	677.9	691.6	704.3	702.5	700.7	693.4	686.1
37.5°	598.6	614.1	630.5	646.0	661.5	685.2	708.0	703.4	698.0	690.7	683.4
40°	595.9	613.2	630.5	646.9	664.2	686.1	708.0	703.4	698.9	689.8	680.6
42.5°	589.5	606.8	623.2	640.5	656.9	683.4	708.9	700.7	691.6	684.3	677.0
45°	573.1	588.6	604.1	619.6	635.1	663.3	691.6	681.5	671.5	668.8	665.1
47.5°	551.3	566.7	582.2	597.7	613.2	641.5	668.8	660.6	651.5	650.6	648.7
50°	527.6	542.1	557.6	572.2	586.8	615.0	642.4	635.1	627.8	628.7	628.7
52.5°	505.7	519.4	532.1	545.8	558.5	586.8	614.1	608.7	602.3	604.1	605.0
55°	484.7	495.7	506.6	517.5	528.5	555.8	583.1	574.9	566.7	569.5	572.2
57.5°	462.0	471.1	480.2	488.4	497.5	524.8	551.3	542.1	532.1	536.7	540.3
60°	436.4	444.6	452.8	460.1	468.3	492.9	516.6	508.4	499.3	505.7	511.2
62.5°	410.0	416.4	422.8	429.2	435.5	458.3	481.1	474.7	468.3	475.6	482.0
65°	382.7	387.2	392.7	397.3	401.8	423.7	444.6	440.1	435.5	441.9	448.3
67.5°	352.6	356.3	360.8	364.5	368.1	388.2	408.2	403.6	398.2	403.6	408.2
70°	319.8	323.5	326.2	329.8	332.6	350.8	369.0	362.6	355.4	360.8	365.4
72.5°	287.0	288.8	291.6	293.4	295.2	308.9	322.6	317.1	311.6	317.1	321.6
75°	247.8	249.7	251.5	253.3	255.1	267.0	277.9	271.5	264.2	269.7	275.2
77.5°	207.7	208.7	210.5	211.4	212.3	220.5	227.8	221.4	214.1	220.5	226.9
80°	161.3	162.2	163.1	163.1	164.0	166.7	169.5	164.9	159.5	167.7	175.9
82.5°	118.5	117.5	117.5	116.6	115.7	115.7	114.8	112.1	108.4	115.7	123.0
85°	68.3	67.4	65.6	64.7	62.9	60.1	57.4	56.5	55.6	62.0	68.3
87.5°	7.3	6.4	4.6	3.6	1.8	0.9	0.0	0.0	0.0	3.6	8.2
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: P368482
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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: P368482

CATALOG NUMBER: MSA-SA4C-730-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0
2.5°	2020.0	2005.5	1991.8	1978.1	1964.5	1950.8	1976.3	2001.8	2027.3	2052.8	2075.6
5°	2133.0	2128.5	2116.6	2105.7	2093.9	2082.0	2088.4	2095.7	2102.1	2108.4	2122.1
7.5°	1800.5	1795.0	1820.5	1845.1	1870.6	1895.2	1901.6	1907.1	1913.4	1918.9	1915.3
10°	1631.9	1678.4	1690.2	1701.1	1713.0	1723.9	1742.1	1760.4	1777.7	1795.9	1805.9
12.5°	1495.2	1520.7	1562.6	1605.5	1647.4	1689.3	1716.6	1744.0	1771.3	1798.6	1855.1
15°	1327.6	1348.5	1380.4	1412.3	1444.2	1476.1	1515.3	1555.4	1594.5	1633.7	1695.7
17.5°	1066.1	1075.2	1098.9	1122.6	1145.3	1169.0	1221.9	1273.8	1326.7	1378.6	1449.7
20°	894.8	884.7	884.7	885.7	885.7	885.7	938.5	990.4	1043.3	1095.2	1189.1
22.5°	839.2	836.4	826.4	815.5	805.5	794.5	821.9	850.1	877.4	904.8	981.3
25°	820.0	810.0	797.3	784.5	771.8	759.0	776.3	793.6	810.9	828.2	888.4
27.5°	829.2	821.0	827.3	832.8	839.2	844.6	850.1	855.6	861.0	866.5	887.5
30°	897.5	894.8	904.8	913.9	923.9	933.0	920.3	908.4	895.7	882.9	890.2
32.5°	752.6	744.4	740.8	737.1	733.5	729.8	728.9	728.0	726.2	725.3	741.7
35°	678.8	671.5	666.1	660.6	654.2	648.7	651.5	653.3	656.0	657.9	676.1
37.5°	676.1	668.8	662.4	656.0	648.7	642.4	645.1	648.7	651.5	654.2	667.9
40°	671.5	662.4	658.8	655.1	651.5	647.8	649.7	651.5	652.4	654.2	664.2
42.5°	668.8	661.5	659.7	657.9	656.0	654.2	656.0	657.9	658.8	660.6	672.4
45°	662.4	658.8	660.6	662.4	664.2	666.1	666.1	666.1	666.1	666.1	678.8
47.5°	647.8	646.0	651.5	656.9	662.4	667.9	677.0	686.1	694.3	703.4	706.2
50°	629.6	629.6	638.7	647.8	656.0	665.1	687.0	708.0	729.8	750.8	737.1
52.5°	606.8	607.7	621.4	634.2	647.8	660.6	680.6	700.7	719.8	739.9	719.8
55°	574.0	576.8	594.1	610.5	627.8	644.2	659.7	675.2	690.7	706.2	685.2
57.5°	544.9	548.5	566.7	584.1	602.3	619.6	628.7	638.7	647.8	656.9	643.3
60°	517.5	523.0	546.7	570.4	593.2	616.9	609.6	602.3	594.1	586.8	585.9
62.5°	489.3	495.7	517.5	539.4	560.4	582.2	571.3	560.4	548.5	537.6	542.1
65°	453.8	460.1	470.2	480.2	489.3	499.3	498.4	498.4	497.5	496.6	505.7
67.5°	413.7	418.2	424.6	430.1	436.4	441.9	445.6	450.1	453.8	457.4	468.3
70°	370.8	375.4	381.8	387.2	393.6	399.1	403.6	408.2	411.8	416.4	427.3
72.5°	327.1	331.7	338.0	344.4	349.9	356.3	359.9	363.6	366.3	369.9	379.0
75°	280.6	286.1	292.5	298.0	304.3	309.8	312.5	315.3	318.0	320.7	328.9
77.5°	233.3	239.6	246.0	252.4	258.8	265.1	266.1	267.0	267.9	268.8	276.1
80°	183.1	191.3	197.7	204.1	210.5	216.9	216.9	216.9	216.9	216.9	220.5
82.5°	130.3	137.6	144.9	151.3	158.5	164.9	164.9	164.0	164.0	163.1	163.1
85°	74.7	81.1	85.6	91.1	95.7	100.2	100.2	100.2	99.3	99.3	97.5
87.5°	11.8	15.5	17.3	20.0	21.9	23.7	22.8	22.8	21.9	21.0	18.2
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: P368482
 CATALOG NUMBER: MSA-SA4C-730-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: P368482

CATALOG NUMBER: MSA-SA4C-730-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0
2.5°	2098.4	2121.2	2144.0	2140.3	2136.7	2133.0	2129.4	2143.1	2155.8	2169.5	2182.2
5°	2134.9	2148.5	2161.3	2171.3	2181.3	2191.3	2201.4	2247.8	2293.4	2339.9	2385.4
7.5°	1911.6	1907.1	1903.4	1946.2	1990.0	2032.8	2075.6	2134.9	2194.1	2253.3	2312.5
10°	1815.9	1826.0	1836.0	1853.3	1871.5	1888.8	1906.2	1964.5	2022.8	2081.1	2139.4
12.5°	1910.7	1967.2	2022.8	2036.4	2051.0	2064.7	2078.4	2090.2	2102.1	2113.0	2124.8
15°	1757.6	1819.6	1881.6	1917.1	1952.6	1987.2	2022.8	2112.1	2200.5	2289.8	2378.1
17.5°	1519.8	1590.9	1661.0	1748.5	1836.0	1923.5	2010.9	2092.9	2174.9	2256.0	2338.0
20°	1282.9	1375.9	1469.7	1565.4	1660.1	1755.8	1850.6	1930.8	2010.9	2090.2	2170.4
22.5°	1056.9	1133.5	1209.1	1325.7	1441.5	1558.1	1673.8	1823.2	1971.8	2121.2	2269.7
25°	947.6	1007.7	1067.0	1187.2	1307.5	1426.9	1547.2	1741.2	1934.4	2128.5	2321.6
27.5°	909.3	930.3	951.3	1060.6	1169.0	1278.4	1386.8	1596.4	1805.9	2014.6	2224.1
30°	897.5	904.8	912.1	997.7	1083.4	1169.0	1254.7	1461.5	1669.3	1876.1	2082.9
32.5°	757.2	773.6	789.1	872.9	955.8	1039.6	1122.6	1331.2	1539.0	1747.6	1955.4
35°	694.3	712.5	730.8	812.8	894.8	975.9	1057.9	1277.5	1498.0	1717.5	1937.1
37.5°	681.5	695.2	708.9	801.8	894.8	987.7	1080.6	1303.0	1525.3	1747.6	1969.9
40°	675.2	685.2	695.2	785.4	876.5	966.7	1056.9	1290.2	1522.6	1755.8	1988.2
42.5°	683.4	695.2	706.2	788.2	869.2	951.3	1032.3	1273.8	1514.4	1755.8	1996.4
45°	690.7	703.4	715.3	791.8	868.3	944.9	1021.4	1279.3	1536.2	1794.1	2051.0
47.5°	708.0	710.7	712.5	779.0	844.6	911.2	976.8	1239.2	1501.6	1763.1	2025.5
50°	722.6	708.9	694.3	763.6	831.9	901.1	969.5	1218.2	1467.0	1714.8	1963.6
52.5°	699.8	678.8	658.8	733.5	808.2	882.0	956.7	1205.5	1455.1	1703.9	1952.6
55°	665.1	644.2	623.2	698.9	774.5	850.1	925.7	1173.6	1422.3	1670.2	1918.0
57.5°	630.5	616.9	603.2	665.1	728.0	790.0	851.9	1120.7	1388.6	1657.4	1925.3
60°	585.0	583.1	582.2	630.5	679.7	728.0	776.3	1039.6	1302.1	1565.4	1827.8
62.5°	545.8	550.3	554.0	593.2	632.3	670.6	709.8	964.0	1219.1	1473.4	1727.6
65°	515.7	524.8	533.9	578.6	623.2	667.0	711.6	924.8	1138.0	1351.3	1564.5
67.5°	479.3	490.2	501.1	559.5	617.8	676.1	734.4	910.3	1086.1	1262.0	1437.8
70°	437.4	448.3	458.3	533.0	606.8	681.5	755.4	911.2	1067.9	1223.7	1379.5
72.5°	388.2	397.3	406.4	486.6	566.7	646.9	727.1	859.2	991.3	1122.6	1254.7
75°	338.0	346.2	354.4	423.7	492.9	562.2	631.4	733.5	834.6	936.7	1037.8
77.5°	282.5	289.7	296.1	342.6	389.1	435.5	482.0	560.4	637.8	716.2	793.6
80°	224.1	227.8	231.4	258.8	285.2	312.5	339.0	390.9	442.8	493.9	545.8
82.5°	164.0	164.0	164.0	181.3	199.5	216.9	234.2	260.6	286.1	312.5	338.0
85°	95.7	92.9	91.1	103.0	114.8	126.7	138.5	149.4	160.4	171.3	182.2
87.5°	15.5	11.8	9.1	16.4	23.7	31.0	38.3	41.9	46.5	50.1	53.8
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: P368482
 CATALOG NUMBER: MSA-SA4C-730-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: P368482

CATALOG NUMBER: MSA-SA4C-730-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0
2.5°	2151.3	2121.2	2090.2	2059.2	2104.8	2150.3	2195.9	2241.5	2362.6	2434.6	2439.2
5°	2423.7	2462.0	2500.2	2538.5	2576.8	2615.0	2652.4	2690.7	2887.5	3008.7	3031.4
7.5°	2375.4	2439.2	2502.1	2564.9	2673.4	2781.8	2890.2	2998.6	3165.4	3285.7	3364.9
10°	2217.8	2296.1	2374.5	2452.9	2581.3	2710.7	2839.2	2967.7	3144.4	3303.0	3378.6
12.5°	2249.7	2374.5	2498.4	2623.2	2734.4	2846.5	2957.6	3068.8	3190.9	3251.0	3388.6
15°	2464.7	2551.3	2637.8	2724.4	2892.0	3058.8	3226.4	3393.2	3462.4	3600.0	3723.9
17.5°	2497.5	2656.0	2815.5	2974.0	3179.0	3384.1	3589.1	3794.1	3922.6	4100.2	4249.7
20°	2395.4	2619.6	2844.7	3068.8	3333.0	3598.2	3862.4	4126.7	4289.8	4439.2	4670.6
22.5°	2517.5	2765.4	3012.3	3260.1	3610.9	3960.8	4311.6	4661.5	5002.3	5335.8	5492.5
25°	2652.4	2984.1	3314.8	3645.6	4083.8	4521.2	4959.5	5396.8	5835.1	6147.6	6328.0
27.5°	2557.6	2890.2	3223.7	3556.3	4098.4	4641.5	5183.6	5725.7	6195.0	6571.3	6726.2
30°	2491.1	2899.3	3307.5	3715.7	4351.7	4987.7	5623.7	6259.7	6693.4	7113.4	7341.2
32.5°	2479.3	3003.2	3526.2	4050.1	4790.9	5530.8	6271.5	7011.4	7299.3	7672.0	7979.1
35°	2512.1	3087.9	3662.9	4237.8	5087.0	5936.2	6784.5	7633.7	8042.8	8411.9	8680.6
37.5°	2612.3	3254.7	3896.1	4538.5	5561.7	6585.9	7609.1	8632.4	9318.5	9993.6	10113.9
40°	2668.8	3350.3	4031.0	4711.6	5901.6	7091.6	8281.6	9471.5	10260.6	11001.4	11051.5
42.5°	2735.3	3474.3	4212.3	4951.3	6270.6	7590.9	8910.3	10229.6	11206.4	12002.7	12026.4
45°	2811.8	3571.8	4332.6	5092.5	6470.2	7846.9	9224.6	10601.4	11782.2	12749.9	12513.9
47.5°	2841.9	3659.2	4475.6	5292.0	6760.8	8228.7	9697.5	11165.4	12225.1	13105.3	12879.3
50°	2853.8	3744.9	4635.1	5525.3	7046.9	8569.5	10091.1	11612.8	12690.7	13549.0	13202.7
52.5°	2927.6	3902.5	4877.5	5852.4	7437.8	9023.2	10608.7	12194.1	13254.7	14079.3	13649.2
55°	3026.9	4135.8	5243.7	6352.6	7993.6	9633.7	11274.7	12914.8	13979.1	14746.3	14213.2
57.5°	3118.9	4313.4	5507.1	6700.7	8400.9	10102.1	11802.3	13502.5	14580.4	15339.4	14822.8
60°	3074.3	4320.7	5567.2	6813.7	8484.7	10154.9	11826.0	13496.1	14719.8	15630.1	15365.8
62.5°	2939.4	4151.3	5362.2	6574.0	8160.4	9745.8	11332.1	12917.6	14349.9	15517.1	15505.3
65°	2679.7	3795.0	4909.3	6024.6	7492.5	8961.3	10429.2	11897.1	13585.4	15003.2	15095.2
67.5°	2363.6	3289.3	4215.0	5140.8	6523.0	7905.2	9287.5	10669.7	12474.7	14039.2	14118.5
70°	2057.4	2736.2	3414.1	4092.0	5305.7	6519.4	7732.1	8945.8	10769.0	12351.7	12424.6
72.5°	1698.4	2142.1	2585.0	3028.7	4011.8	4995.0	5977.2	6960.4	8561.3	9778.6	10189.5
75°	1301.1	1564.5	1827.8	2091.1	2886.6	3682.0	4476.5	5272.0	6336.2	7234.6	7697.5
77.5°	930.3	1067.0	1203.6	1340.3	2016.4	2692.5	3367.7	4043.7	4603.2	5112.5	5425.1
80°	610.5	674.3	739.0	802.7	1364.9	1927.1	2488.4	3050.6	3391.3	3664.7	3822.3
82.5°	369.9	401.8	432.8	464.7	920.3	1375.9	1830.5	2286.1	2481.1	2611.4	2751.7
85°	199.5	216.9	234.2	251.5	544.0	835.5	1128.0	1419.6	1438.7	1454.2	1662.9
87.5°	58.3	63.8	68.3	72.9	120.3	168.6	215.9	263.3	164.0	102.1	209.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368482
 CATALOG NUMBER: MSA-SA4C-730-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: P368482

CATALOG NUMBER: MSA-SA4C-730-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0
2.5°	2412.8	2400.9	2389.1	2376.3	2364.5	2314.4	2265.2	2215.0	2164.9	2213.2	2260.6
5°	3005.0	3041.5	3077.0	3113.4	3149.9	3152.6	3154.4	3157.2	3159.0	3168.1	3177.2
7.5°	3431.4	3496.1	3559.9	3624.6	3689.3	3739.4	3789.5	3840.6	3890.7	3845.1	3799.5
10°	3467.9	3604.6	3741.2	3877.9	4014.6	4039.2	4062.9	4087.5	4112.1	4144.9	4176.8
12.5°	3504.3	3671.1	3836.9	4003.6	4170.4	4243.3	4315.3	4388.2	4460.1	4495.7	4530.3
15°	3889.8	3988.2	4085.7	4184.1	4281.6	4331.7	4380.9	4431.0	4481.1	4511.2	4540.3
17.5°	4385.4	4421.9	4457.4	4493.9	4530.3	4564.0	4597.7	4631.4	4665.2	4670.6	4676.1
20°	4837.4	4844.7	4851.0	4858.3	4864.7	4793.6	4723.5	4652.4	4581.3	4594.1	4605.9
22.5°	5515.3	5475.2	5436.0	5395.9	5356.7	5222.8	5089.8	4955.8	4822.8	4765.4	4708.9
25°	6535.8	6433.7	6331.7	6229.6	6127.6	5914.4	5702.1	5488.8	5276.5	5151.7	5027.8
27.5°	6864.7	6642.4	6421.0	6198.6	5976.3	5815.0	5654.7	5493.4	5333.0	5135.3	4937.6
30°	7529.8	7179.1	6829.2	6478.4	6127.6	5971.8	5816.0	5659.2	5503.4	5301.1	5099.8
32.5°	8119.4	7754.9	7390.4	7025.1	6660.6	6365.4	6070.2	5774.9	5479.7	5343.1	5206.4
35°	8801.8	8343.5	7885.2	7426.9	6968.6	6715.3	6462.9	6209.6	5957.2	5750.3	5544.4
37.5°	9795.9	9308.4	8821.0	8332.6	7845.1	7502.5	7160.8	6818.2	6476.5	6362.6	6249.7
40°	10743.5	10167.7	9592.7	9016.9	8441.9	8179.5	7917.1	7653.8	7391.4	7199.1	7006.8
42.5°	11537.1	10967.7	10399.1	9829.6	9261.1	9069.7	8879.3	8687.9	8497.5	8339.0	8180.4
45°	11809.6	11344.9	10881.1	10416.4	9951.7	9884.3	9817.8	9750.4	9683.8	9566.3	9448.8
47.5°	12247.8	11774.0	11301.2	10827.3	10353.5	10378.1	10402.7	10428.3	10452.9	10459.2	10464.7
50°	12505.7	12055.6	11606.4	11156.3	10707.1	10826.4	10944.9	11064.2	11183.6	11454.2	11723.9
52.5°	12882.0	12440.1	11999.1	11557.2	11115.3	11317.6	11518.9	11721.2	11922.6	12301.6	12680.7
55°	13354.0	12931.2	12509.4	12086.6	11664.7	11861.5	12057.4	12254.2	12450.1	12872.0	13293.9
57.5°	13980.0	13527.1	13075.2	12622.3	12170.4	12351.7	12532.1	12713.5	12893.9	13294.8	13695.7
60°	14692.5	14200.5	13708.4	13215.5	12723.5	12773.6	12822.8	12872.9	12922.1	13356.7	13790.4
62.5°	15042.4	14586.8	14132.1	13676.6	13221.0	13081.6	12942.2	12801.8	12662.4	13051.5	13439.7
65°	14739.0	14425.5	14113.0	13799.6	13486.1	13240.1	12995.0	12749.0	12503.0	12746.3	12988.6
67.5°	13773.1	13595.5	13418.7	13241.0	13063.3	12650.6	12237.8	11824.2	11411.4	11427.8	11443.3
70°	12207.8	12160.4	12113.9	12066.5	12019.1	11398.6	10779.1	10158.6	9538.1	9443.3	9348.5
72.5°	10224.2	10255.1	10285.2	10316.2	10347.2	9680.2	9013.2	8346.3	7679.3	7521.6	7364.0
75°	7918.9	8090.2	8261.5	8433.7	8605.0	7967.2	7329.4	6690.7	6052.9	5858.8	5664.7
77.5°	5595.5	5915.3	6234.2	6554.0	6873.8	6297.0	5721.2	5144.4	4567.7	4441.9	4316.2
80°	3901.6	4058.3	4215.0	4371.8	4528.5	4238.7	3949.0	3659.2	3369.5	3404.1	3437.8
82.5°	2841.9	2878.4	2913.9	2950.3	2986.8	2868.3	2749.9	2630.5	2512.1	2602.3	2692.5
85°	1820.5	1950.8	2080.2	2210.5	2339.9	2208.7	2077.5	1945.3	1814.1	1874.3	1934.4
87.5°	407.3	644.2	881.1	1118.9	1355.8	1228.2	1101.6	974.0	846.5	789.1	732.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368482
 CATALOG NUMBER: MSA-SA4C-730-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: P368482

CATALOG NUMBER: MSA-SA4C-730-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0
2.5°	2308.9	2357.2	2342.6	2328.9	2314.4	2299.8	2326.2	2352.6	2380.0	2406.4	2397.3
5°	3187.2	3196.4	3109.8	3024.1	2937.6	2851.0	2904.8	2958.5	3012.3	3066.1	3046.9
7.5°	3754.0	3708.4	3658.3	3608.2	3557.2	3507.1	3496.1	3485.2	3473.4	3462.4	3447.8
10°	4209.6	4241.5	4208.7	4176.8	4144.0	4111.2	4034.6	3958.1	3880.6	3804.1	3772.2
12.5°	4565.8	4601.4	4609.6	4616.9	4625.1	4633.3	4547.6	4462.9	4377.2	4291.6	4214.1
15°	4570.4	4600.5	4626.9	4652.4	4678.8	4704.3	4651.5	4599.5	4546.7	4493.9	4469.3
17.5°	4682.5	4687.9	4666.1	4645.1	4623.2	4602.3	4581.3	4561.3	4540.3	4520.3	4481.1
20°	4618.7	4631.4	4628.7	4626.0	4622.3	4619.6	4621.4	4622.3	4624.2	4625.1	4603.2
22.5°	4651.5	4594.1	4605.9	4616.9	4628.7	4639.6	4672.4	4705.2	4739.0	4771.8	4859.2
25°	4903.0	4778.1	4759.0	4740.8	4721.6	4703.4	4789.1	4873.8	4959.5	5045.1	5187.2
27.5°	4739.0	4541.2	4497.5	4453.8	4410.0	4366.3	4496.6	4626.0	4756.3	4886.6	5031.4
30°	4897.5	4696.1	4599.5	4503.0	4405.5	4308.9	4433.7	4557.6	4682.5	4806.4	4966.7
32.5°	5069.7	4933.0	4868.3	4804.6	4739.9	4676.1	4686.1	4696.1	4706.2	4716.2	4942.1
35°	5337.6	5130.8	5067.0	5003.2	4939.4	4875.6	4982.2	5087.9	5194.5	5300.2	5491.6
37.5°	6135.8	6021.9	5907.1	5792.3	5676.5	5561.7	5624.6	5687.5	5750.3	5813.2	5993.6
40°	6814.6	6622.3	6603.2	6585.0	6565.8	6546.7	6552.2	6556.7	6562.2	6567.7	6721.6
42.5°	8021.0	7862.4	7764.9	7667.4	7569.9	7472.4	7466.1	7459.7	7452.4	7446.0	7561.7
45°	9330.3	9212.8	9139.9	9067.0	8993.2	8920.3	8804.6	8688.8	8572.2	8456.5	8557.6
47.5°	10471.1	10477.5	10609.6	10740.8	10872.9	11005.0	10807.3	10609.6	10411.9	10214.1	10083.8
50°	11994.5	12264.3	12296.1	12327.1	12359.0	12390.9	12055.6	11721.2	11385.9	11050.6	10913.9
52.5°	13060.6	13439.7	13390.4	13342.2	13293.0	13243.8	13049.7	12856.5	12662.4	12468.4	12170.4
55°	13716.6	14138.5	14101.2	14064.7	14027.4	13990.0	13848.8	13707.5	13566.3	13425.1	13098.0
57.5°	14096.6	14497.5	14508.4	14519.4	14530.3	14541.2	14503.9	14466.5	14429.2	14391.8	13966.3
60°	14225.1	14659.7	14664.3	14667.9	14672.5	14676.1	14616.9	14557.6	14497.5	14438.3	14160.4
62.5°	13828.7	14216.9	14234.2	14250.6	14267.9	14285.2	14244.2	14203.2	14162.2	14121.2	13915.3
65°	13231.9	13475.2	13479.7	13483.4	13487.9	13492.5	13388.6	13285.7	13181.8	13077.9	13028.7
67.5°	11459.7	11476.1	11572.7	11669.3	11765.8	11862.4	11870.6	11878.8	11887.9	11896.1	11825.1
70°	9253.8	9159.0	9263.8	9368.6	9473.4	9578.1	9622.8	9667.4	9713.0	9757.6	9790.4
72.5°	7205.5	7047.8	7125.3	7202.7	7281.1	7358.6	7292.0	7225.5	7159.0	7092.5	7303.0
75°	5470.6	5276.5	5266.5	5257.4	5247.4	5238.3	5204.6	5170.8	5136.2	5102.5	5299.3
77.5°	4189.5	4063.8	4070.2	4075.6	4082.0	4087.5	4052.9	4019.1	3984.5	3949.9	4025.5
80°	3472.4	3506.2	3507.1	3508.0	3508.9	3509.8	3477.0	3445.1	3412.3	3379.5	3324.8
82.5°	2783.6	2873.8	2872.9	2872.9	2872.0	2871.1	2869.3	2867.4	2864.7	2862.9	2773.6
85°	1994.5	2054.7	1992.7	1930.8	1868.8	1806.8	1852.4	1898.0	1944.4	1990.0	1952.6
87.5°	675.2	618.7	544.9	472.0	398.2	324.4	403.6	482.9	563.1	642.4	687.9
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: P368482
 CATALOG NUMBER: MSA-SA4C-730-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



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CATALOG NUMBER: MSA-SA4C-730-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0	1980.0
2.5°	2389.1	2380.0	2371.8	2314.4	2256.0	2198.6	2140.3	2246.0	2352.6	2458.3	2564.0
5°	3028.7	3009.6	2991.3	2986.8	2982.2	2976.8	2972.2	3026.0	3079.7	3132.6	3186.3
7.5°	3433.3	3418.7	3404.1	3365.8	3328.5	3290.2	3251.9	3284.7	3316.6	3349.4	3381.3
10°	3741.2	3709.3	3677.5	3594.5	3512.5	3429.6	3346.7	3322.1	3297.5	3272.9	3248.3
12.5°	4136.7	4058.3	3980.9	3887.0	3792.3	3698.4	3603.6	3590.9	3578.1	3566.3	3553.5
15°	4445.6	4421.0	4396.4	4321.6	4246.9	4172.2	4097.5	3997.3	3896.1	3795.9	3695.7
17.5°	4442.8	4403.6	4365.4	4465.6	4564.9	4665.2	4764.5	4657.9	4550.3	4443.7	4337.1
20°	4581.3	4558.5	4536.7	4721.6	4905.7	5090.7	5274.7	5216.4	5157.2	5098.9	5039.6
22.5°	4945.8	5033.3	5119.8	5278.4	5436.0	5594.5	5752.2	5818.7	5885.2	5951.7	6018.2
25°	5328.5	5470.6	5612.8	5848.8	6083.8	6319.8	6555.8	6603.2	6650.6	6698.0	6745.3
27.5°	5175.4	5320.3	5465.2	5643.7	5821.4	6000.0	6177.7	6385.4	6594.1	6801.8	7009.6
30°	5126.2	5286.6	5446.0	5691.1	5935.3	6180.4	6425.5	6711.6	6997.7	7282.9	7569.0
32.5°	5167.2	5393.2	5619.1	5950.8	6281.6	6613.2	6944.9	7245.6	7547.2	7847.8	8148.5
35°	5682.0	5873.4	6063.8	6434.6	6805.5	7176.3	7547.2	7899.8	8252.4	8604.1	8956.7
37.5°	6173.1	6353.5	6533.9	6913.0	7291.1	7670.2	8049.2	8605.9	9163.6	9720.3	10277.0
40°	6874.7	7028.7	7181.8	7506.2	7830.5	8154.9	8479.3	9150.8	9822.3	10493.9	11165.4
42.5°	7676.5	7792.3	7907.1	8243.3	8579.5	8915.7	9251.9	9982.7	10714.4	11445.1	12175.9
45°	8657.9	8759.0	8860.1	9091.6	9323.0	9555.4	9786.8	10540.3	11293.9	12047.4	12800.9
47.5°	9953.5	9823.2	9692.9	9806.8	9920.7	10034.6	10148.5	10893.9	11639.2	12383.6	13128.9
50°	10777.2	10640.6	10503.9	10513.9	10523.0	10533.0	10543.1	11238.3	11933.5	12627.8	13323.0
52.5°	11872.5	11573.6	11275.6	11272.9	11270.2	11266.5	11263.8	11869.7	12476.6	13082.5	13688.4
55°	12770.9	12443.7	12116.6	12052.9	11989.1	11924.4	11860.6	12460.2	13058.8	13658.3	14257.0
57.5°	13540.8	13114.4	12688.9	12588.6	12488.4	12388.2	12287.9	12934.0	13580.9	14226.9	14872.9
60°	13883.4	13605.5	13328.5	13205.5	13082.5	12959.5	12836.5	13386.8	13937.1	14486.6	15036.9
62.5°	13710.3	13504.3	13299.3	13327.6	13355.8	13384.1	13412.3	13726.7	14041.9	14356.3	14670.6
65°	12980.4	12931.2	12882.9	13110.7	13338.5	13566.3	13794.1	13798.6	13803.2	13807.8	13812.3
67.5°	11754.0	11682.9	11611.9	12085.7	12558.6	13032.4	13506.2	13281.1	13056.1	12831.9	12606.8
70°	9822.3	9855.1	9887.0	10532.1	11176.3	11821.4	12466.5	12140.3	11813.2	11487.0	11159.9
72.5°	7513.4	7724.8	7935.3	8604.1	9272.9	9941.7	10610.5	10237.8	9864.2	9491.6	9118.0
75°	5496.1	5692.9	5889.8	6550.3	7210.9	7872.4	8533.0	8090.2	7647.4	7205.5	6762.7
77.5°	4101.1	4177.7	4253.3	4802.7	5351.3	5900.7	6449.2	6004.6	5559.9	5116.2	4671.5
80°	3271.1	3216.4	3162.6	3467.0	3771.3	4075.6	4380.0	4064.7	3748.5	3433.3	3118.0
82.5°	2685.2	2595.9	2507.5	2620.5	2733.5	2847.4	2960.4	2708.0	2455.6	2203.2	1950.8
85°	1915.3	1877.9	1840.5	1873.4	1905.2	1938.0	1970.8	1724.8	1478.8	1233.7	987.7
87.5°	732.6	778.1	823.7	875.6	926.7	978.6	1029.6	806.4	583.1	360.8	137.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368482
 CATALOG NUMBER: MSA-SA4C-730-U-SLR

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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 CATALOG NUMBER: MSA-SA4C-730-U-SLR

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1980.0	1980.0
2.5°	2607.7	2651.5
5°	3185.4	3184.5
7.5°	3366.7	3351.3
10°	3208.2	3168.1
12.5°	3435.1	3315.7
15°	3577.2	3457.9
17.5°	4157.6	3977.2
20°	4825.5	4610.5
22.5°	5691.1	5364.0
25°	6354.4	5962.6
27.5°	6777.2	6544.0
30°	7302.1	7035.1
32.5°	7951.7	7754.0
35°	8776.3	8595.0
37.5°	10220.5	10163.1
40°	11097.1	11027.8
42.5°	12178.6	12180.4
45°	12841.9	12882.9
47.5°	13232.8	13335.8
50°	13544.4	13764.9
52.5°	13990.0	14291.6
55°	14657.9	15057.9
57.5°	15213.7	15554.5
60°	15213.7	15389.5
62.5°	14666.1	14660.6
65°	13727.6	13641.9
67.5°	12499.3	12391.8
70°	10992.3	10823.7
72.5°	8909.3	8699.8
75°	6475.6	6187.7
77.5°	4534.9	4397.3
80°	3184.5	3251.0
82.5°	2045.6	2140.3
85°	973.1	958.5
87.5°	114.8	92.0
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: P368482
CATALOG NUMBER: MSA-SA4C-730-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)