

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: P368614

Luminaire Tested: **MSA-SA4D-730-U-SLR**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P368614
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-SA4D-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: 20524 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

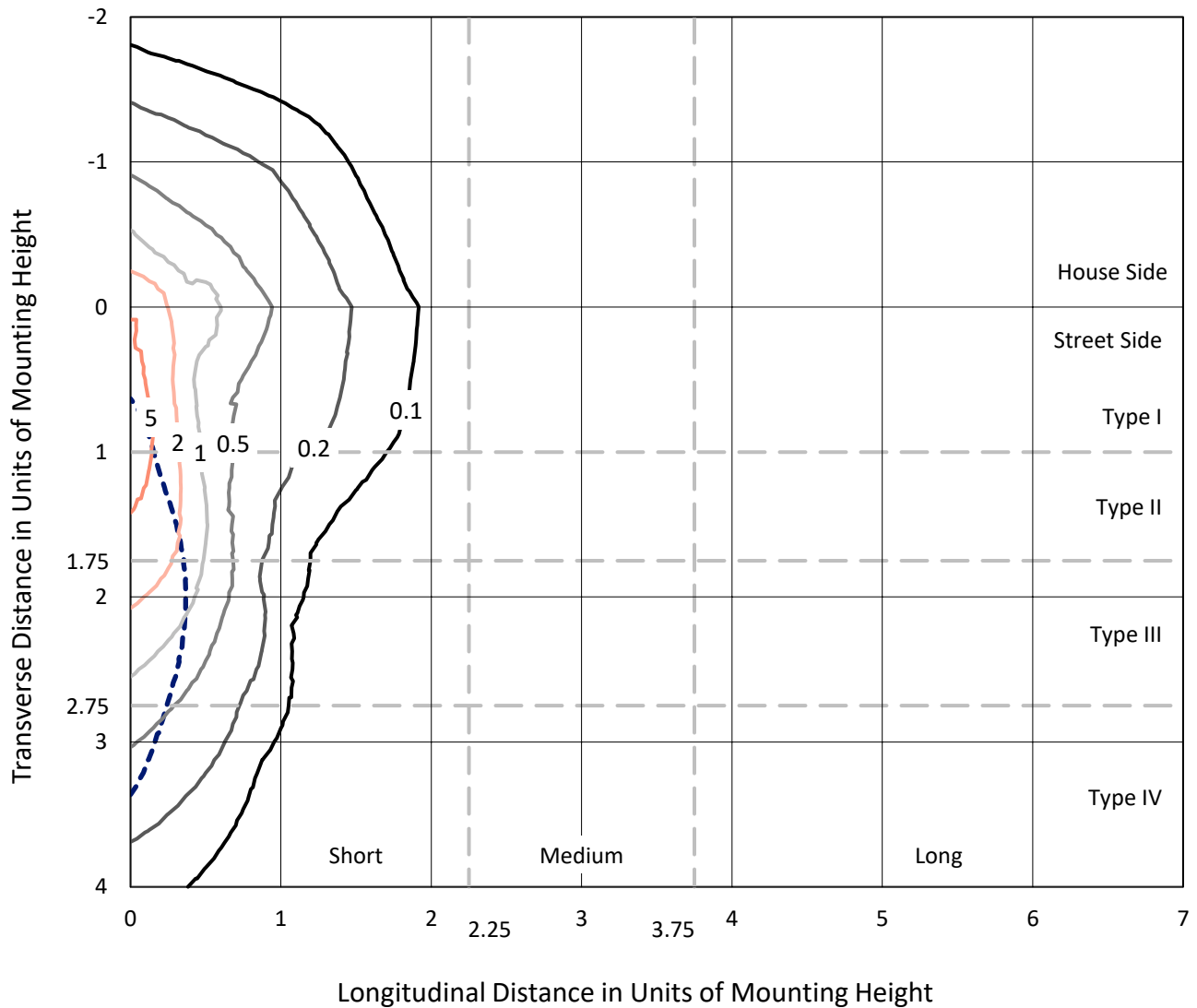
Input Watts (W): 259
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

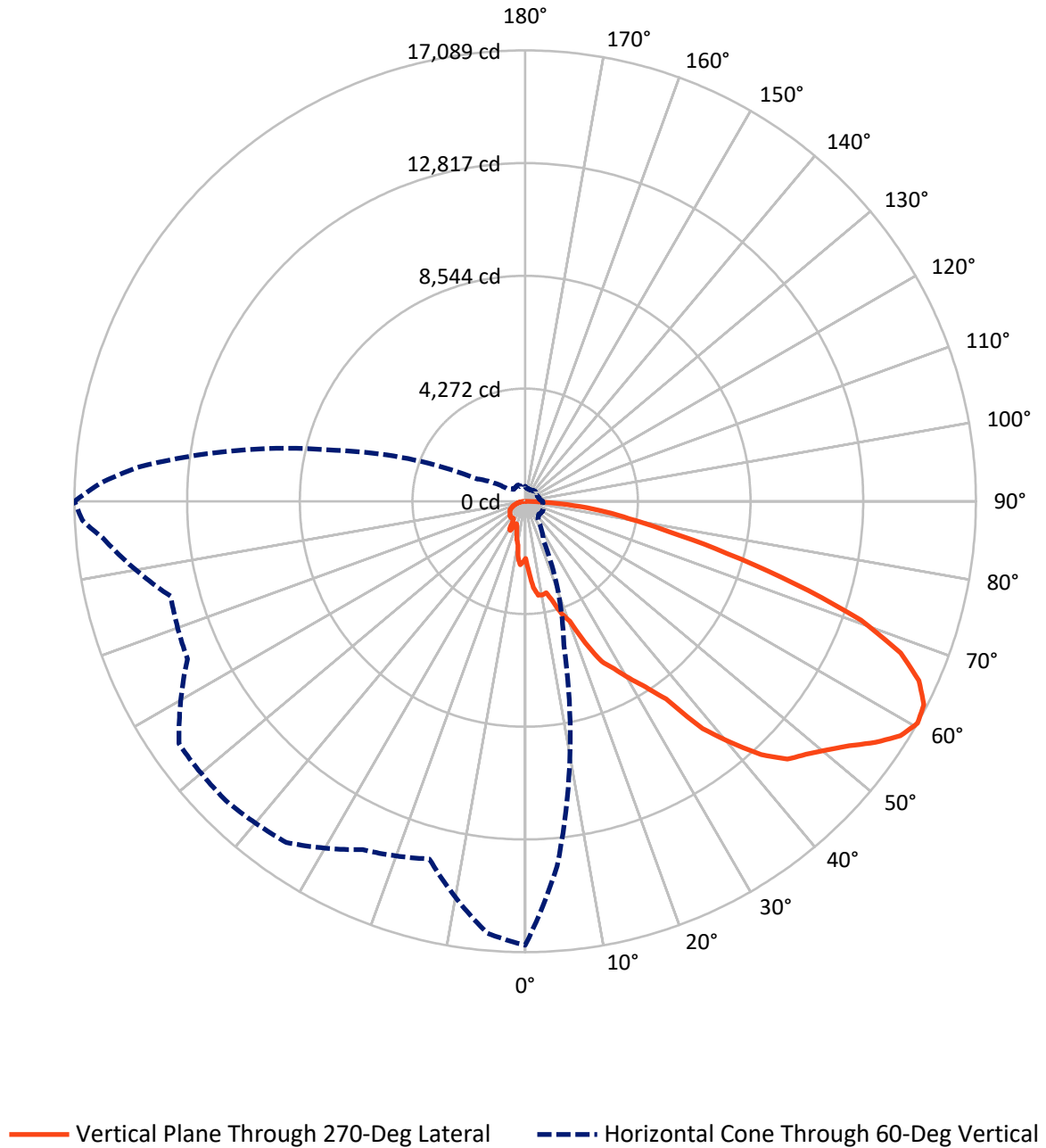
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 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	3975.1	0.0	3975.1
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	16548.9	0.0	16548.9
	% Fixture	80.6	0.0	80.6
Total	Lumens	20524.0	0.0	20524.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.2	1.2
10°-20°	721.1	3.5
20°-30°	1273.1	6.2
30°-40°	1982.7	9.7
40°-50°	3264.3	15.9
50°-60°	4659.3	22.7
60°-70°	4940.5	24.1
70°-80°	2728.8	13.3
80°-90°	706.0	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°	20524.0	100.0
0°-180°	20524.0	100.0

Coefficient of Utilization



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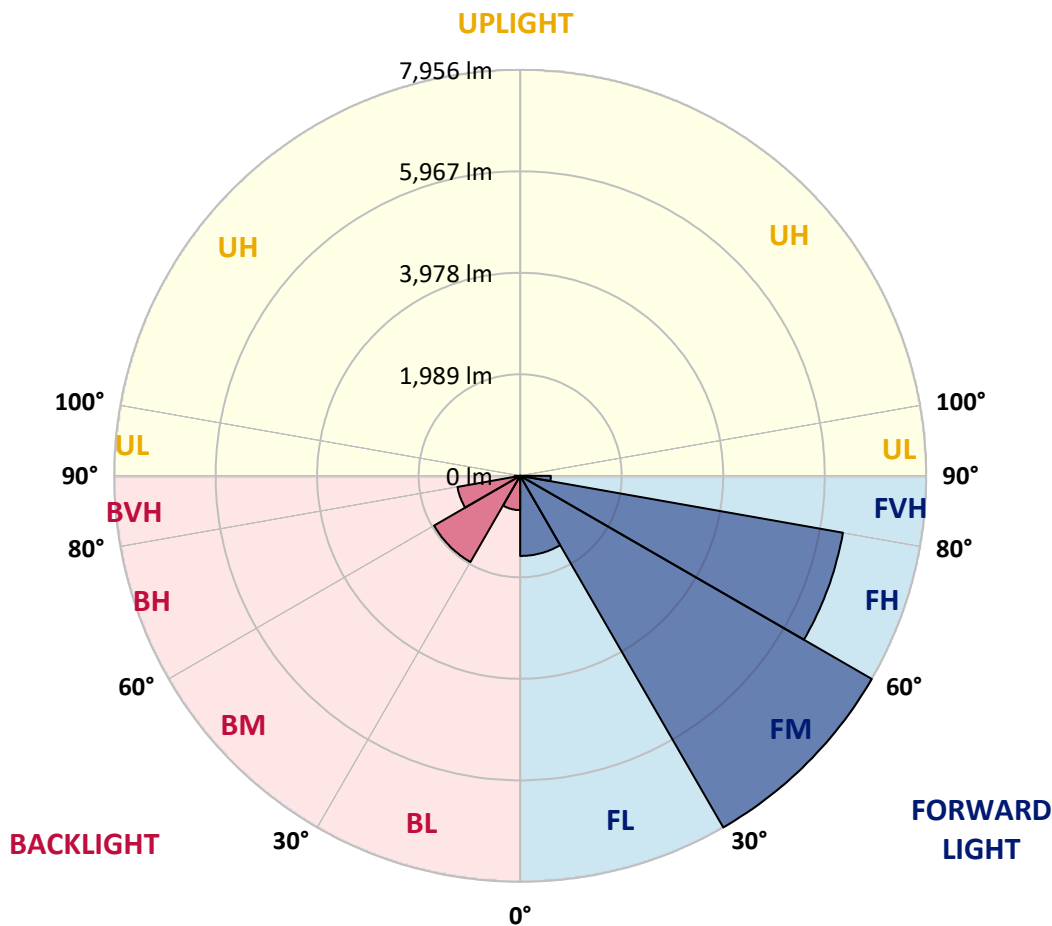
CATALOG NUMBER: MSA-SA4D-730-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1570.4	7.7			
FM (30°-60°)	7956.4	38.8			
FH (60°-80°)	6422.0	31.3			G3/7500
FVH (80°-90°)	600.1	2.9			G4/750
BL (0°-30°)	672.0	3.3	B2/1000		
BM (30°-60°)	1949.9	9.5	B2/2500		
BH (60°-80°)	1247.3	6.1	B3/2500		G3/2500
BVH (80°-90°)	106.0	0.5			G2/225
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°	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7
2.5°	2898.9	2916.9	2933.8	2899.9	2866.1	2831.2	2797.3	2746.5	2694.7	2643.9	2592.1
5°	3481.7	3416.0	3349.2	3322.3	3296.4	3269.5	3242.6	3217.7	3192.8	3166.9	3142.0
7.5°	3664.0	3570.4	3475.7	3435.9	3396.1	3355.2	3315.4	3225.7	3136.0	3045.4	2955.7
10°	3463.8	3366.2	3267.5	3228.7	3188.8	3150.0	3110.1	3000.6	2892.0	2782.4	2672.8
12.5°	3625.2	3525.6	3424.9	3301.4	3177.9	3053.4	2929.8	2869.1	2808.3	2746.5	2685.8
15°	3780.6	3646.1	3510.6	3387.1	3263.6	3139.0	3015.5	2894.0	2772.4	2650.9	2529.4
17.5°	4348.4	4124.3	3900.1	3677.0	3452.8	3229.7	3005.5	2865.1	2723.6	2583.2	2441.7
20°	5040.8	4729.0	4416.2	4077.5	3737.8	3399.0	3059.3	2882.0	2705.7	2528.4	2351.0
22.5°	5864.6	5471.1	5077.6	4650.3	4222.9	3794.5	3367.2	3110.1	2853.1	2595.1	2338.1
25°	6519.1	6140.6	5762.0	5220.1	4678.2	4136.2	3594.3	3302.4	3010.5	2717.6	2425.8
27.5°	7154.7	6552.0	5948.3	5327.7	4708.1	4087.4	3466.8	3196.8	2926.8	2656.9	2386.9
30°	7691.7	7213.5	6735.3	5925.4	5115.5	4304.6	3494.7	3162.9	2831.2	2499.5	2167.7
32.5°	8477.7	7795.3	7111.9	6267.1	5422.3	4577.5	3732.8	3308.4	2884.0	2459.6	2035.2
35°	9397.2	8687.9	7978.6	6933.6	5889.5	4844.5	3799.5	3350.2	2899.9	2450.7	2000.4
37.5°	11111.6	9861.4	8610.2	7469.5	6328.9	5187.2	4046.6	3524.6	3002.6	2479.5	1957.5
40°	12057.0	10901.4	9745.8	8324.3	6902.7	5480.1	4058.5	3524.6	2989.6	2455.6	1920.7
42.5°	13317.2	11855.8	10393.4	8856.2	7320.1	5783.0	4245.8	3654.1	3062.3	2469.6	1877.8
45°	14085.3	12456.5	10826.7	9184.0	7541.2	5898.5	4255.8	3655.1	3054.4	2453.6	1852.9
47.5°	14580.4	13016.4	11451.3	9683.1	7914.8	6145.6	4377.3	3739.7	3101.2	2463.6	1825.0
50°	15049.6	13500.5	11950.4	10114.4	8279.4	6443.4	4607.4	3911.1	3214.7	2517.4	1821.1
52.5°	15625.4	14198.9	12771.3	10801.8	8831.3	6861.8	4891.4	4133.2	3375.1	2617.0	1858.9
55°	16463.2	15057.6	13651.0	11537.0	9422.1	7308.1	5193.2	4351.4	3510.6	2668.8	1827.0
57.5°	17006.2	15580.6	14155.0	11999.3	9843.5	7686.7	5530.9	4598.5	3666.0	2732.6	1800.1
60°	16825.9	15355.5	13884.1	11828.9	9773.7	7718.6	5663.4	4656.2	3650.1	2642.9	1635.8
62.5°	16028.9	14465.8	12902.8	11061.8	9221.8	7380.9	5539.9	4515.8	3492.7	2468.6	1444.5
65°	14915.1	13299.3	11682.5	10021.8	8361.1	6700.5	5039.8	4110.3	3179.9	2250.4	1320.0
67.5°	13548.3	11863.8	10178.2	8707.8	7237.4	5766.0	4295.6	3518.6	2742.5	1965.5	1188.5
70°	11833.9	10178.2	8522.5	7250.4	5978.2	4706.1	3433.9	2849.1	2265.4	1680.6	1095.8
72.5°	9511.7	8083.2	6654.6	5653.4	4652.3	3651.1	2649.9	2243.4	1838.0	1431.5	1025.1
75°	6765.2	5925.4	5085.6	4306.6	3527.6	2747.5	1968.5	1705.5	1442.5	1179.5	916.5
77.5°	4807.7	4312.6	3817.4	3206.8	2596.1	1985.4	1374.8	1220.3	1066.9	912.5	758.1
80°	3554.4	3141.0	2727.6	2267.4	1807.1	1346.9	886.6	810.9	736.2	660.5	584.8
82.5°	2340.1	2153.8	1966.5	1601.9	1237.3	872.7	508.1	480.2	452.3	424.4	396.5
85°	1048.0	1106.8	1164.6	941.4	717.3	494.1	270.0	257.0	244.1	231.1	218.2
87.5°	100.6	148.4	196.3	168.4	139.5	111.6	82.7	81.7	81.7	80.7	79.7
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°	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7
2.5°	2606.1	2620.0	2634.0	2647.9	2633.0	2618.0	2602.1	2587.1	2568.2	2549.3	2529.4
5°	3100.2	3057.3	3015.5	2972.7	2908.9	2845.2	2780.4	2716.6	2708.7	2699.7	2691.7
7.5°	2877.0	2799.3	2720.6	2641.9	2542.3	2443.7	2344.1	2244.4	2214.6	2184.7	2154.8
10°	2620.0	2566.2	2513.4	2459.6	2397.9	2336.1	2273.3	2211.6	2129.9	2047.2	1965.5
12.5°	2598.1	2510.4	2421.8	2334.1	2296.2	2258.4	2220.5	2182.7	2111.0	2039.2	1966.5
15°	2458.6	2386.9	2316.2	2244.4	2189.7	2134.9	2080.1	2025.3	1967.5	1908.7	1850.9
17.5°	2360.0	2278.3	2196.6	2114.9	2052.2	1989.4	1925.7	1862.9	1793.2	1722.4	1652.7
20°	2257.4	2164.7	2071.1	1977.5	1897.8	1819.1	1739.4	1659.7	1583.0	1507.3	1430.5
22.5°	2215.6	2093.0	1970.5	1848.0	1764.3	1679.6	1595.9	1511.2	1440.5	1369.8	1299.0
25°	2279.3	2133.9	1987.4	1841.0	1728.4	1614.8	1502.3	1388.7	1329.9	1271.2	1211.4
27.5°	2204.6	2021.3	1839.0	1655.7	1535.1	1413.6	1293.1	1171.5	1162.6	1153.6	1143.6
30°	1975.5	1783.2	1590.9	1398.7	1288.1	1176.5	1065.9	954.4	933.4	911.5	890.6
32.5°	1839.0	1642.7	1446.5	1250.2	1151.6	1052.0	953.4	853.7	829.8	805.9	782.0
35°	1787.2	1574.0	1360.8	1147.6	1062.9	978.3	893.6	808.9	792.0	776.0	759.1
37.5°	1745.3	1534.2	1322.0	1109.8	1028.1	946.4	863.7	782.0	769.1	756.1	743.2
40°	1705.5	1491.3	1276.1	1061.0	988.2	916.5	843.8	771.1	763.1	755.1	746.2
42.5°	1669.6	1461.4	1252.2	1044.0	979.3	915.5	850.8	786.0	778.0	770.1	762.1
45°	1649.7	1446.5	1243.3	1040.0	993.2	946.4	898.6	851.8	832.8	813.9	794.0
47.5°	1634.8	1444.5	1254.2	1063.9	1015.1	966.3	917.5	868.7	851.8	834.8	816.9
50°	1637.8	1455.5	1272.1	1088.8	1030.1	970.3	911.5	851.8	849.8	847.8	845.8
52.5°	1664.7	1471.4	1277.1	1082.9	1019.1	955.4	890.6	826.8	839.8	851.8	864.7
55°	1625.8	1424.6	1222.3	1021.1	960.3	900.6	839.8	779.0	796.0	811.9	828.8
57.5°	1582.0	1363.8	1145.6	927.5	881.6	835.8	789.0	743.2	761.1	780.0	798.0
60°	1436.5	1237.3	1038.0	838.8	807.9	777.0	746.2	715.3	723.2	731.2	739.2
62.5°	1277.1	1108.8	941.4	773.1	749.1	724.2	700.3	675.4	675.4	676.4	676.4
65°	1175.5	1031.1	886.6	742.2	715.3	688.4	660.5	633.6	629.6	625.6	621.6
67.5°	1073.9	960.3	845.8	731.2	692.4	654.5	615.7	576.8	571.8	567.8	562.9
70°	994.2	892.6	791.0	689.4	645.5	602.7	558.9	515.0	511.1	508.1	504.1
72.5°	929.5	834.8	739.2	643.5	597.7	550.9	505.1	458.3	455.3	452.3	448.3
75°	831.8	748.1	663.5	578.8	534.0	490.1	445.3	400.5	396.5	393.5	389.5
77.5°	688.4	617.6	547.9	477.2	442.3	408.4	373.6	338.7	336.7	334.7	331.7
80°	530.0	475.2	419.4	364.6	341.7	317.8	294.9	271.0	270.0	269.0	267.0
82.5°	363.6	330.7	297.9	265.0	248.1	230.1	213.2	195.3	196.3	197.2	198.2
85°	207.2	195.3	184.3	172.3	158.4	145.4	131.5	117.6	120.5	123.5	125.5
87.5°	75.7	71.7	67.7	63.8	56.8	50.8	43.8	36.9	38.9	41.8	43.8
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: P368614
 CATALOG NUMBER: MSA-SA4D-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: P368614
 CATALOG NUMBER: MSA-SA4D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7
2.5°	2510.4	2480.5	2450.7	2420.8	2390.9	2329.1	2268.4	2206.6	2144.8	2182.7	2221.5
5°	2682.8	2632.0	2580.2	2529.4	2477.6	2448.7	2419.8	2390.9	2362.0	2376.9	2392.9
7.5°	2124.9	2095.0	2064.1	2034.2	2003.4	1990.4	1978.5	1965.5	1952.6	1989.4	2026.3
10°	1882.8	1841.0	1799.1	1756.3	1714.5	1689.6	1664.7	1639.7	1614.8	1624.8	1634.8
12.5°	1894.8	1833.0	1771.2	1709.5	1647.7	1610.9	1574.0	1537.1	1500.3	1509.2	1518.2
15°	1792.2	1728.4	1664.7	1600.9	1537.1	1494.3	1450.5	1407.6	1363.8	1348.9	1332.9
17.5°	1582.0	1512.2	1442.5	1372.8	1303.0	1274.1	1245.3	1216.4	1187.5	1171.5	1155.6
20°	1353.8	1289.1	1224.3	1159.6	1094.8	1074.9	1055.0	1034.1	1014.1	1004.2	993.2
22.5°	1228.3	1188.5	1147.6	1107.8	1066.9	1044.0	1022.1	999.2	976.3	965.3	953.4
25°	1152.6	1160.6	1169.5	1177.5	1185.5	1175.5	1164.6	1154.6	1143.6	1147.6	1150.6
27.5°	1134.7	1151.6	1169.5	1186.5	1203.4	1212.4	1221.3	1230.3	1239.3	1242.3	1245.3
30°	868.7	877.7	885.6	894.6	902.6	927.5	952.4	976.3	1001.2	1040.0	1079.9
32.5°	758.1	755.1	752.1	748.1	745.2	751.1	757.1	762.1	768.1	782.0	797.0
35°	742.2	735.2	727.2	720.3	712.3	715.3	718.3	721.3	724.2	735.2	746.2
37.5°	730.2	727.2	725.2	722.2	719.3	726.2	732.2	739.2	745.2	754.1	763.1
40°	738.2	737.2	736.2	734.2	733.2	737.2	741.2	745.2	749.1	761.1	773.1
42.5°	754.1	754.1	753.1	753.1	752.1	756.1	759.1	763.1	766.1	773.1	780.0
45°	775.0	773.1	772.1	770.1	768.1	767.1	767.1	766.1	765.1	769.1	774.0
47.5°	800.0	793.0	785.0	778.0	770.1	768.1	765.1	763.1	760.1	762.1	764.1
50°	843.8	824.9	806.9	788.0	769.1	764.1	759.1	754.1	749.1	748.1	748.1
52.5°	876.7	848.8	820.9	793.0	765.1	756.1	747.2	738.2	729.2	727.2	726.2
55°	844.8	823.9	803.9	783.0	762.1	749.1	735.2	722.2	708.3	705.3	702.3
57.5°	815.9	802.9	790.0	777.0	764.1	751.1	737.2	724.2	710.3	703.3	696.3
60°	747.2	747.2	748.1	748.1	748.1	734.2	720.3	706.3	692.4	685.4	679.4
62.5°	676.4	687.4	697.3	708.3	718.3	699.3	679.4	660.5	640.6	635.6	631.6
65°	617.6	620.6	624.6	627.6	630.6	615.7	600.7	585.8	570.8	567.8	563.9
67.5°	557.9	556.9	555.9	553.9	552.9	543.9	534.0	525.0	515.0	511.1	507.1
70°	500.1	499.1	498.1	496.1	495.1	487.1	479.2	471.2	463.2	460.2	457.3
72.5°	445.3	444.3	442.3	441.3	439.3	432.4	426.4	419.4	412.4	408.4	404.5
75°	385.5	383.5	381.5	379.6	377.6	371.6	365.6	358.6	352.7	348.7	344.7
77.5°	329.7	326.8	323.8	319.8	316.8	311.8	305.8	300.9	294.9	289.9	285.9
80°	266.0	264.0	262.0	259.0	257.0	252.0	247.1	241.1	236.1	230.1	225.1
82.5°	199.2	198.2	196.3	195.3	193.3	188.3	183.3	178.3	173.3	167.4	161.4
85°	128.5	127.5	126.5	125.5	124.5	120.5	117.6	113.6	109.6	103.6	98.6
87.5°	45.8	43.8	42.8	40.8	38.9	37.9	35.9	34.9	32.9	29.9	26.9
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: P368614
 CATALOG NUMBER: MSA-SA4D-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: P368614

CATALOG NUMBER: MSA-SA4D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7
2.5°	2259.4	2297.2	2298.2	2298.2	2316.2	2333.1	2298.2	2263.4	2227.5	2192.6	2157.8
5°	2407.8	2422.8	2418.8	2413.8	2391.9	2370.0	2347.1	2324.1	2301.2	2278.3	2279.3
7.5°	2063.1	2100.0	2129.9	2158.8	2130.9	2103.0	2088.0	2073.1	2058.2	2043.2	2041.2
10°	1643.7	1653.7	1665.6	1676.6	1659.7	1641.7	1671.6	1701.5	1730.4	1760.3	1727.4
12.5°	1527.2	1536.1	1515.2	1493.3	1486.3	1479.4	1472.4	1464.4	1457.4	1449.5	1445.5
15°	1318.0	1302.0	1286.1	1269.2	1265.2	1260.2	1255.2	1249.2	1244.3	1238.3	1220.3
17.5°	1139.7	1123.7	1096.8	1068.9	1058.0	1046.0	1043.0	1040.0	1036.1	1033.1	1016.1
20°	983.3	972.3	965.3	957.4	946.4	935.4	924.5	913.5	901.6	890.6	874.7
22.5°	942.4	930.5	921.5	911.5	909.5	907.5	887.6	866.7	846.8	825.9	816.9
25°	1154.6	1157.6	1102.8	1047.0	1042.0	1037.0	1001.2	964.3	928.5	891.6	860.7
27.5°	1247.2	1250.2	1248.2	1246.2	1230.3	1213.4	1152.6	1090.8	1030.1	968.3	924.5
30°	1118.7	1157.6	1172.5	1187.5	1176.5	1164.6	1100.8	1038.0	974.3	910.5	881.6
32.5°	810.9	824.9	849.8	873.7	886.6	898.6	878.7	858.7	838.8	818.9	813.9
35°	756.1	767.1	772.1	777.0	769.1	761.1	746.2	731.2	715.3	700.3	697.3
37.5°	771.1	780.0	790.0	800.0	778.0	755.1	738.2	722.2	705.3	688.4	674.4
40°	785.0	797.0	802.9	808.9	787.0	765.1	744.2	724.2	703.3	682.4	668.5
42.5°	787.0	794.0	804.9	815.9	785.0	753.1	734.2	714.3	695.3	675.4	661.5
45°	778.0	782.0	792.0	801.9	766.1	729.2	712.3	694.4	677.4	659.5	647.5
47.5°	765.1	767.1	775.0	782.0	744.2	705.3	689.4	673.4	656.5	640.6	628.6
50°	747.2	746.2	752.1	757.1	718.3	679.4	663.5	648.5	632.6	616.6	606.7
52.5°	724.2	722.2	728.2	733.2	692.4	651.5	637.6	624.6	610.7	596.7	588.8
55°	698.3	695.3	700.3	705.3	665.5	624.6	612.7	599.7	587.8	574.8	567.8
57.5°	688.4	681.4	684.4	687.4	642.6	597.7	585.8	573.8	561.9	549.9	544.9
60°	672.4	665.5	668.5	670.4	622.6	573.8	562.9	550.9	539.9	528.0	523.0
62.5°	626.6	621.6	625.6	629.6	586.8	542.9	533.0	524.0	514.0	504.1	497.1
65°	560.9	556.9	564.8	572.8	536.0	499.1	493.1	487.1	480.2	474.2	467.2
67.5°	503.1	499.1	507.1	515.0	488.1	461.2	455.3	449.3	443.3	437.3	433.3
70°	454.3	451.3	458.3	465.2	442.3	419.4	413.4	408.4	402.5	396.5	393.5
72.5°	399.5	395.5	404.5	412.4	393.5	373.6	368.6	362.6	357.6	351.7	349.7
75°	340.7	336.7	344.7	351.7	338.7	324.8	319.8	314.8	309.8	304.8	303.8
77.5°	280.9	275.9	283.9	290.9	282.9	274.0	270.0	265.0	261.0	256.0	256.0
80°	219.2	213.2	219.2	224.1	221.2	218.2	215.2	211.2	208.2	204.2	205.2
82.5°	155.4	149.4	152.4	155.4	157.4	159.4	159.4	159.4	159.4	159.4	159.4
85°	92.6	86.7	87.7	88.7	91.7	94.6	95.6	96.6	97.6	98.6	99.6
87.5°	23.9	20.9	18.9	15.9	18.9	20.9	22.9	23.9	25.9	26.9	26.9
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: P368614
 CATALOG NUMBER: MSA-SA4D-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: P368614

CATALOG NUMBER: MSA-SA4D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7
2.5°	2122.9	2087.0	2052.2	2074.1	2095.0	2116.9	2137.8	2138.8	2138.8	2139.8	2139.8
5°	2281.3	2282.3	2283.3	2262.4	2242.5	2221.5	2200.6	2189.7	2178.7	2166.7	2155.8
7.5°	2038.2	2036.2	2033.2	2013.3	1993.4	1973.5	1953.6	1905.7	1856.9	1809.1	1760.3
10°	1693.5	1660.7	1626.8	1618.8	1611.9	1603.9	1595.9	1583.0	1571.0	1558.1	1545.1
12.5°	1441.5	1437.5	1433.5	1412.6	1391.7	1369.8	1348.9	1348.9	1348.9	1348.9	1348.9
15°	1201.4	1183.5	1164.6	1154.6	1143.6	1133.7	1122.7	1117.7	1112.8	1107.8	1102.8
17.5°	998.2	981.3	963.3	961.3	959.3	957.4	955.4	950.4	945.4	940.4	935.4
20°	858.7	842.8	826.8	832.8	838.8	843.8	849.8	844.8	839.8	833.8	828.8
22.5°	806.9	798.0	788.0	783.0	778.0	772.1	767.1	767.1	768.1	768.1	768.1
25°	830.8	800.0	769.1	754.1	739.2	723.2	708.3	702.3	697.3	691.4	685.4
27.5°	880.6	835.8	792.0	766.1	740.2	714.3	688.4	677.4	665.5	654.5	642.6
30°	851.8	822.9	793.0	763.1	733.2	703.3	673.4	659.5	645.5	630.6	616.6
32.5°	808.9	802.9	798.0	770.1	742.2	713.3	685.4	679.4	674.4	668.5	662.5
35°	693.4	690.4	686.4	679.4	672.4	665.5	658.5	650.5	642.6	634.6	626.6
37.5°	661.5	647.5	633.6	630.6	627.6	624.6	621.6	618.6	615.7	611.7	608.7
40°	654.5	640.6	626.6	621.6	616.6	610.7	605.7	606.7	608.7	609.7	610.7
42.5°	646.5	632.6	617.6	613.7	609.7	605.7	601.7	602.7	604.7	605.7	606.7
45°	636.6	624.6	612.7	605.7	599.7	592.7	585.8	591.7	597.7	602.7	608.7
47.5°	616.6	603.7	591.7	587.8	583.8	578.8	574.8	580.8	586.8	591.7	597.7
50°	595.7	585.8	574.8	573.8	572.8	570.8	569.8	573.8	577.8	581.8	585.8
52.5°	579.8	571.8	562.9	562.9	561.9	561.9	560.9	564.8	568.8	571.8	575.8
55°	561.9	554.9	547.9	548.9	550.9	551.9	552.9	556.9	561.9	565.8	569.8
57.5°	538.9	534.0	528.0	532.0	535.0	538.9	541.9	544.9	548.9	551.9	554.9
60°	517.0	512.0	506.1	510.1	515.0	519.0	523.0	526.0	529.0	532.0	535.0
62.5°	490.1	482.2	475.2	481.2	486.1	492.1	497.1	499.1	502.1	504.1	506.1
65°	461.2	454.3	447.3	451.3	455.3	458.3	462.2	465.2	468.2	471.2	474.2
67.5°	428.4	424.4	419.4	422.4	425.4	428.4	431.4	432.4	432.4	433.3	433.3
70°	389.5	386.5	382.5	384.5	387.5	389.5	391.5	391.5	391.5	390.5	390.5
72.5°	348.7	346.7	344.7	345.7	347.7	348.7	349.7	348.7	347.7	346.7	345.7
75°	302.8	301.8	300.9	301.8	303.8	304.8	305.8	304.8	302.8	301.8	299.9
77.5°	257.0	257.0	257.0	257.0	258.0	258.0	258.0	256.0	254.0	252.0	250.0
80°	206.2	207.2	208.2	208.2	208.2	208.2	208.2	206.2	204.2	201.2	199.2
82.5°	159.4	159.4	159.4	159.4	160.4	160.4	160.4	155.4	151.4	146.4	141.5
85°	99.6	100.6	100.6	101.6	102.6	102.6	103.6	96.6	90.7	83.7	76.7
87.5°	26.9	26.9	26.9	26.9	26.9	25.9	25.9	19.9	13.0	7.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368614
 CATALOG NUMBER: MSA-SA4D-730-U-SLR

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: P368614

CATALOG NUMBER: MSA-SA4D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7
2.5°	2145.8	2151.8	2156.8	2162.8	2163.8	2164.7	2164.7	2165.7	2144.8	2123.9	2102.0
5°	2170.7	2184.7	2199.6	2213.6	2210.6	2207.6	2204.6	2201.6	2195.6	2190.6	2184.7
7.5°	1749.3	1739.4	1728.4	1717.5	1726.4	1735.4	1744.3	1753.3	1757.3	1761.3	1764.3
10°	1520.2	1495.3	1470.4	1445.5	1431.5	1416.6	1402.7	1387.7	1385.7	1384.7	1382.7
12.5°	1323.0	1296.1	1270.2	1243.3	1235.3	1226.3	1218.4	1209.4	1217.4	1225.3	1232.3
15°	1091.8	1081.9	1070.9	1060.0	1068.9	1077.9	1086.9	1095.8	1103.8	1110.8	1118.7
17.5°	930.5	926.5	921.5	916.5	924.5	933.4	941.4	949.4	967.3	985.2	1003.2
20°	824.9	821.9	817.9	813.9	810.9	806.9	803.9	800.0	825.9	850.8	876.7
22.5°	762.1	756.1	750.1	744.2	745.2	746.2	746.2	747.2	768.1	790.0	810.9
25°	683.4	681.4	679.4	677.4	683.4	689.4	694.4	700.3	719.3	738.2	756.1
27.5°	643.5	644.5	645.5	646.5	654.5	663.5	671.4	679.4	692.4	705.3	718.3
30°	621.6	627.6	632.6	637.6	640.6	643.5	646.5	649.5	662.5	674.4	687.4
32.5°	654.5	646.5	637.6	629.6	633.6	638.6	642.6	646.5	658.5	670.4	682.4
35°	623.6	619.6	616.6	612.7	617.6	622.6	626.6	631.6	642.6	652.5	663.5
37.5°	607.7	606.7	605.7	604.7	607.7	610.7	612.7	615.7	625.6	635.6	644.5
40°	606.7	601.7	597.7	592.7	595.7	598.7	600.7	603.7	615.7	627.6	639.6
42.5°	600.7	594.7	587.8	581.8	584.8	588.8	591.7	594.7	607.7	619.6	632.6
45°	599.7	590.7	580.8	571.8	575.8	579.8	583.8	587.8	597.7	607.7	616.6
47.5°	588.8	579.8	570.8	561.9	563.9	565.8	566.8	568.8	577.8	585.8	594.7
50°	579.8	572.8	566.8	559.9	556.9	554.9	551.9	548.9	555.9	562.9	569.8
52.5°	568.8	561.9	553.9	546.9	542.9	538.9	535.0	531.0	537.0	541.9	547.9
55°	561.9	552.9	544.9	536.0	531.0	526.0	521.0	516.0	520.0	523.0	527.0
57.5°	546.9	538.9	530.0	522.0	516.0	510.1	503.1	497.1	499.1	501.1	503.1
60°	527.0	518.0	510.1	501.1	494.1	487.1	479.2	472.2	473.2	475.2	476.2
62.5°	498.1	490.1	481.2	473.2	465.2	458.3	450.3	442.3	444.3	445.3	447.3
65°	466.2	457.3	449.3	440.3	433.3	426.4	418.4	411.4	413.4	415.4	416.4
67.5°	427.4	420.4	414.4	407.4	401.5	394.5	388.5	381.5	382.5	383.5	384.5
70°	385.5	379.6	374.6	368.6	363.6	358.6	353.7	348.7	348.7	349.7	349.7
72.5°	340.7	335.7	330.7	325.8	320.8	316.8	311.8	306.8	308.8	310.8	311.8
75°	294.9	290.9	285.9	280.9	276.9	273.0	268.0	264.0	266.0	268.0	269.0
77.5°	247.1	244.1	240.1	237.1	233.1	229.1	224.1	220.2	222.2	224.1	225.1
80°	197.2	195.3	192.3	190.3	186.3	182.3	178.3	174.3	175.3	175.3	176.3
82.5°	142.5	143.5	143.5	144.4	141.5	137.5	134.5	130.5	130.5	130.5	129.5
85°	79.7	83.7	86.7	89.7	86.7	83.7	80.7	77.7	76.7	76.7	75.7
87.5°	3.0	5.0	8.0	10.0	9.0	8.0	6.0	5.0	6.0	7.0	7.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368614
 CATALOG NUMBER: MSA-SA4D-730-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: P368614

CATALOG NUMBER: MSA-SA4D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7
2.5°	2081.1	2098.0	2114.9	2131.9	2148.8	2174.7	2200.6	2227.5	2254.4	2239.5	2223.5
5°	2178.7	2188.7	2199.6	2209.6	2219.5	2248.4	2276.3	2311.2	2345.1	2341.1	2336.1
7.5°	1768.3	1782.2	1796.2	1809.1	1823.0	1866.9	1910.7	1947.6	1984.4	1979.5	1973.5
10°	1380.7	1409.6	1439.5	1468.4	1497.3	1533.2	1568.0	1598.9	1629.8	1681.6	1732.4
12.5°	1240.3	1285.1	1329.9	1374.8	1419.6	1445.5	1470.4	1510.2	1550.1	1578.0	1606.9
15°	1125.7	1167.5	1209.4	1251.2	1293.1	1295.1	1297.1	1338.9	1380.7	1404.6	1427.6
17.5°	1021.1	1044.0	1066.9	1088.8	1111.8	1103.8	1095.8	1115.7	1134.7	1144.6	1155.6
20°	901.6	917.5	933.4	949.4	965.3	976.3	986.2	998.2	1009.2	999.2	988.2
22.5°	831.8	855.7	880.6	904.6	928.5	935.4	941.4	934.4	927.5	924.5	921.5
25°	775.0	803.9	833.8	862.7	891.6	905.5	919.5	925.5	930.5	919.5	908.5
27.5°	731.2	766.1	800.0	834.8	868.7	893.6	918.5	925.5	931.4	923.5	914.5
30°	699.3	737.2	775.0	812.9	850.8	888.6	925.5	958.3	990.2	987.2	984.2
32.5°	694.4	720.3	746.2	772.1	798.0	821.9	844.8	846.8	847.8	839.8	830.8
35°	673.4	690.4	707.3	724.2	741.2	756.1	770.1	768.1	766.1	758.1	750.1
37.5°	654.5	671.4	689.4	706.3	723.2	749.1	774.0	769.1	763.1	755.1	747.2
40°	651.5	670.4	689.4	707.3	726.2	750.1	774.0	769.1	764.1	754.1	744.2
42.5°	644.5	663.5	681.4	700.3	718.3	747.2	775.0	766.1	756.1	748.1	740.2
45°	626.6	643.5	660.5	677.4	694.4	725.2	756.1	745.2	734.2	731.2	727.2
47.5°	602.7	619.6	636.6	653.5	670.4	701.3	731.2	722.2	712.3	711.3	709.3
50°	576.8	592.7	609.7	625.6	641.6	672.4	702.3	694.4	686.4	687.4	687.4
52.5°	552.9	567.8	581.8	596.7	610.7	641.6	671.4	665.5	658.5	660.5	661.5
55°	530.0	541.9	553.9	565.8	577.8	607.7	637.6	628.6	619.6	622.6	625.6
57.5°	505.1	515.0	525.0	534.0	543.9	573.8	602.7	592.7	581.8	586.8	590.7
60°	477.2	486.1	495.1	503.1	512.0	538.9	564.8	555.9	545.9	552.9	558.9
62.5°	448.3	455.3	462.2	469.2	476.2	501.1	526.0	519.0	512.0	520.0	527.0
65°	418.4	423.4	429.4	434.3	439.3	463.2	486.1	481.2	476.2	483.2	490.1
67.5°	385.5	389.5	394.5	398.5	402.5	424.4	446.3	441.3	435.3	441.3	446.3
70°	349.7	353.7	356.6	360.6	363.6	383.5	403.5	396.5	388.5	394.5	399.5
72.5°	313.8	315.8	318.8	320.8	322.8	337.7	352.7	346.7	340.7	346.7	351.7
75°	271.0	273.0	275.0	276.9	278.9	291.9	303.8	296.9	288.9	294.9	300.9
77.5°	227.1	228.1	230.1	231.1	232.1	241.1	249.1	242.1	234.1	241.1	248.1
80°	176.3	177.3	178.3	178.3	179.3	182.3	185.3	180.3	174.3	183.3	192.3
82.5°	129.5	128.5	128.5	127.5	126.5	126.5	125.5	122.5	118.5	126.5	134.5
85°	74.7	73.7	71.7	70.7	68.7	65.7	62.8	61.8	60.8	67.7	74.7
87.5°	8.0	7.0	5.0	4.0	2.0	1.0	0.0	0.0	0.0	4.0	9.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368614
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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: P368614

CATALOG NUMBER: MSA-SA4D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7
2.5°	2208.6	2192.6	2177.7	2162.8	2147.8	2132.9	2160.8	2188.7	2216.5	2244.4	2269.3
5°	2332.1	2327.1	2314.2	2302.2	2289.3	2276.3	2283.3	2291.3	2298.2	2305.2	2320.2
7.5°	1968.5	1962.5	1990.4	2017.3	2045.2	2072.1	2079.1	2085.1	2092.0	2098.0	2094.0
10°	1784.2	1835.0	1848.0	1859.9	1872.9	1884.8	1904.7	1924.7	1943.6	1963.5	1974.5
12.5°	1634.8	1662.7	1708.5	1755.3	1801.1	1847.0	1876.8	1906.7	1936.6	1966.5	2028.3
15°	1451.5	1474.4	1509.2	1544.1	1579.0	1613.8	1656.7	1700.5	1743.4	1786.2	1853.9
17.5°	1165.6	1175.5	1201.4	1227.3	1252.2	1278.1	1335.9	1392.7	1450.5	1507.3	1585.0
20°	978.3	967.3	967.3	968.3	968.3	968.3	1026.1	1082.9	1140.7	1197.4	1300.0
22.5°	917.5	914.5	903.6	891.6	880.6	868.7	898.6	929.5	959.3	989.2	1072.9
25°	896.6	885.6	871.7	857.7	843.8	829.8	848.8	867.7	886.6	905.5	971.3
27.5°	906.5	897.6	904.6	910.5	917.5	923.5	929.5	935.4	941.4	947.4	970.3
30°	981.3	978.3	989.2	999.2	1010.1	1020.1	1006.2	993.2	979.3	965.3	973.3
32.5°	822.9	813.9	809.9	805.9	801.9	798.0	797.0	796.0	794.0	793.0	810.9
35°	742.2	734.2	728.2	722.2	715.3	709.3	712.3	714.3	717.3	719.3	739.2
37.5°	739.2	731.2	724.2	717.3	709.3	702.3	705.3	709.3	712.3	715.3	730.2
40°	734.2	724.2	720.3	716.3	712.3	708.3	710.3	712.3	713.3	715.3	726.2
42.5°	731.2	723.2	721.3	719.3	717.3	715.3	717.3	719.3	720.3	722.2	735.2
45°	724.2	720.3	722.2	724.2	726.2	728.2	728.2	728.2	728.2	728.2	742.2
47.5°	708.3	706.3	712.3	718.3	724.2	730.2	740.2	750.1	759.1	769.1	772.1
50°	688.4	688.4	698.3	708.3	717.3	727.2	751.1	774.0	798.0	820.9	805.9
52.5°	663.5	664.5	679.4	693.4	708.3	722.2	744.2	766.1	787.0	808.9	787.0
55°	627.6	630.6	649.5	667.5	686.4	704.3	721.3	738.2	755.1	772.1	749.1
57.5°	595.7	599.7	619.6	638.6	658.5	677.4	687.4	698.3	708.3	718.3	703.3
60°	565.8	571.8	597.7	623.6	648.5	674.4	666.5	658.5	649.5	641.6	640.6
62.5°	535.0	541.9	565.8	589.8	612.7	636.6	624.6	612.7	599.7	587.8	592.7
65°	496.1	503.1	514.0	525.0	535.0	545.9	544.9	544.9	543.9	542.9	552.9
67.5°	452.3	457.3	464.2	470.2	477.2	483.2	487.1	492.1	496.1	500.1	512.0
70°	405.5	410.4	417.4	423.4	430.4	436.3	441.3	446.3	450.3	455.3	467.2
72.5°	357.6	362.6	369.6	376.6	382.5	389.5	393.5	397.5	400.5	404.5	414.4
75°	306.8	312.8	319.8	325.8	332.7	338.7	341.7	344.7	347.7	350.7	359.6
77.5°	255.0	262.0	269.0	275.9	282.9	289.9	290.9	291.9	292.9	293.9	301.8
80°	200.2	209.2	216.2	223.1	230.1	237.1	237.1	237.1	237.1	237.1	241.1
82.5°	142.5	150.4	158.4	165.4	173.3	180.3	180.3	179.3	179.3	178.3	178.3
85°	81.7	88.7	93.6	99.6	104.6	109.6	109.6	109.6	108.6	108.6	106.6
87.5°	13.0	16.9	18.9	21.9	23.9	25.9	24.9	24.9	23.9	22.9	19.9
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: P368614
 CATALOG NUMBER: MSA-SA4D-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: P368614

CATALOG NUMBER: MSA-SA4D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7
2.5°	2294.3	2319.2	2344.1	2340.1	2336.1	2332.1	2328.1	2343.1	2357.0	2372.0	2385.9
5°	2334.1	2349.0	2363.0	2373.9	2384.9	2395.9	2406.8	2457.6	2507.4	2558.2	2608.1
7.5°	2090.0	2085.1	2081.1	2127.9	2175.7	2222.5	2269.3	2334.1	2398.9	2463.6	2528.4
10°	1985.4	1996.4	2007.3	2026.3	2046.2	2065.1	2084.1	2147.8	2211.6	2275.3	2339.1
12.5°	2089.0	2150.8	2211.6	2226.5	2242.5	2257.4	2272.3	2285.3	2298.2	2310.2	2323.1
15°	1921.7	1989.4	2057.2	2096.0	2134.9	2172.7	2211.6	2309.2	2405.8	2503.5	2600.1
17.5°	1661.7	1739.4	1816.1	1911.7	2007.3	2103.0	2198.6	2288.3	2377.9	2466.6	2556.3
20°	1402.7	1504.3	1606.9	1711.5	1815.1	1919.7	2023.3	2111.0	2198.6	2285.3	2373.0
22.5°	1155.6	1239.3	1322.0	1449.5	1576.0	1703.5	1830.0	1993.4	2155.8	2319.2	2481.5
25°	1036.1	1101.8	1166.6	1298.1	1429.5	1560.1	1691.6	1903.7	2114.9	2327.1	2538.3
27.5°	994.2	1017.1	1040.0	1159.6	1278.1	1397.7	1516.2	1745.3	1974.5	2202.6	2431.7
30°	981.3	989.2	997.2	1090.8	1184.5	1278.1	1371.8	1597.9	1825.0	2051.2	2277.3
32.5°	827.8	845.8	862.7	954.4	1045.0	1136.7	1227.3	1455.5	1682.6	1910.7	2137.8
35°	759.1	779.0	799.0	888.6	978.3	1066.9	1156.6	1396.7	1637.8	1877.8	2117.9
37.5°	745.2	760.1	775.0	876.7	978.3	1079.9	1181.5	1424.6	1667.6	1910.7	2153.8
40°	738.2	749.1	760.1	858.7	958.3	1057.0	1155.6	1410.6	1664.7	1919.7	2173.7
42.5°	747.2	760.1	772.1	861.7	950.4	1040.0	1128.7	1392.7	1655.7	1919.7	2182.7
45°	755.1	769.1	782.0	865.7	949.4	1033.1	1116.7	1398.7	1679.6	1961.5	2242.5
47.5°	774.0	777.0	779.0	851.8	923.5	996.2	1067.9	1354.8	1641.7	1927.7	2214.6
50°	790.0	775.0	759.1	834.8	909.5	985.2	1060.0	1331.9	1603.9	1874.9	2146.8
52.5°	765.1	742.2	720.3	801.9	883.6	964.3	1046.0	1318.0	1590.9	1862.9	2134.9
55°	727.2	704.3	681.4	764.1	846.8	929.5	1012.1	1283.1	1555.1	1826.0	2097.0
57.5°	689.4	674.4	659.5	727.2	796.0	863.7	931.4	1225.3	1518.2	1812.1	2105.0
60°	639.6	637.6	636.6	689.4	743.2	796.0	848.8	1136.7	1423.6	1711.5	1998.4
62.5°	596.7	601.7	605.7	648.5	691.4	733.2	776.0	1054.0	1332.9	1610.9	1888.8
65°	563.9	573.8	583.8	632.6	681.4	729.2	778.0	1011.1	1244.3	1477.4	1710.5
67.5°	524.0	536.0	547.9	611.7	675.4	739.2	802.9	995.2	1187.5	1379.7	1572.0
70°	478.2	490.1	501.1	582.8	663.5	745.2	825.9	996.2	1167.5	1337.9	1508.2
72.5°	424.4	434.3	444.3	532.0	619.6	707.3	795.0	939.4	1083.9	1227.3	1371.8
75°	369.6	378.6	387.5	463.2	538.9	614.7	690.4	801.9	912.5	1024.1	1134.7
77.5°	308.8	316.8	323.8	374.6	425.4	476.2	527.0	612.7	697.3	783.0	867.7
80°	245.1	249.1	253.0	282.9	311.8	341.7	370.6	427.4	484.2	539.9	596.7
82.5°	179.3	179.3	179.3	198.2	218.2	237.1	256.0	284.9	312.8	341.7	369.6
85°	104.6	101.6	99.6	112.6	125.5	138.5	151.4	163.4	175.3	187.3	199.2
87.5°	16.9	13.0	10.0	17.9	25.9	33.9	41.8	45.8	50.8	54.8	58.8
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: P368614
 CATALOG NUMBER: MSA-SA4D-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: P368614

CATALOG NUMBER: MSA-SA4D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7
2.5°	2352.0	2319.2	2285.3	2251.4	2301.2	2351.0	2400.8	2450.7	2583.2	2661.9	2666.8
5°	2649.9	2691.7	2733.6	2775.4	2817.3	2859.1	2899.9	2941.8	3157.0	3289.5	3314.4
7.5°	2597.1	2666.8	2735.6	2804.3	2922.9	3041.4	3160.0	3278.5	3460.8	3592.3	3679.0
10°	2424.8	2510.4	2596.1	2681.8	2822.2	2963.7	3104.2	3244.6	3437.9	3611.2	3693.9
12.5°	2459.6	2596.1	2731.6	2868.1	2989.6	3112.1	3233.7	3355.2	3488.7	3554.4	3704.9
15°	2694.7	2789.4	2884.0	2978.6	3161.9	3344.3	3527.6	3709.9	3785.6	3936.0	4071.5
17.5°	2730.6	2903.9	3078.3	3251.6	3475.7	3699.9	3924.0	4148.2	4288.6	4482.9	4646.3
20°	2619.0	2864.1	3110.1	3355.2	3644.1	3934.0	4222.9	4511.8	4690.1	4853.5	5106.5
22.5°	2752.5	3023.5	3293.4	3564.4	3947.9	4330.5	4714.0	5096.6	5469.1	5833.8	6005.1
25°	2899.9	3262.6	3624.2	3985.8	4465.0	4943.2	5422.3	5900.5	6379.7	6721.4	6918.6
27.5°	2796.3	3160.0	3524.6	3888.2	4480.9	5074.7	5667.4	6260.1	6773.2	7184.6	7354.0
30°	2723.6	3169.9	3616.2	4062.5	4757.9	5453.2	6148.6	6843.9	7318.1	7777.3	8026.4
32.5°	2710.7	3283.5	3855.3	4428.1	5238.0	6046.9	6856.9	7665.8	7980.6	8388.0	8723.7
35°	2746.5	3376.1	4004.7	4633.3	5561.8	6490.3	7417.7	8346.2	8793.5	9196.9	9490.8
37.5°	2856.1	3558.4	4259.8	4962.1	6080.8	7200.5	8319.3	9438.0	10188.2	10926.3	11057.8
40°	2917.9	3663.0	4407.2	5151.4	6452.4	7753.4	9054.5	10355.5	11218.2	12028.1	12082.9
42.5°	2990.6	3798.5	4605.4	5413.4	6855.9	8299.4	9741.9	11184.4	12252.3	13123.0	13148.9
45°	3074.3	3905.1	4736.9	5567.8	7074.0	8579.3	10085.5	11590.8	12881.9	13939.9	13681.8
47.5°	3107.2	4000.7	4893.3	5785.9	7391.8	8996.7	10602.6	12207.5	13366.0	14328.4	14081.3
50°	3120.1	4094.4	5067.7	6041.0	7704.6	9369.3	11032.9	12696.6	13875.1	14813.5	14435.0
52.5°	3200.8	4266.7	5332.7	6398.6	8132.0	9865.4	11598.8	13332.2	14491.8	15393.3	14923.1
55°	3309.4	4521.8	5733.1	6945.5	8739.7	10532.8	12327.0	14120.2	15283.7	16122.5	15539.8
57.5°	3410.0	4716.0	6021.0	7326.1	9185.0	11044.9	12903.8	14762.7	15941.2	16771.1	16206.2
60°	3361.2	4724.0	6086.8	7449.6	9276.6	11102.7	12929.7	14755.7	16093.6	17088.8	16800.0
62.5°	3213.7	4538.7	5862.6	7187.6	8922.0	10655.4	12389.8	14123.2	15689.2	16965.3	16952.4
65°	2929.8	4149.2	5367.5	6586.9	8191.8	9797.6	11402.5	13007.4	14853.4	16403.5	16504.1
67.5°	2584.1	3596.3	4608.4	5620.6	7131.8	8643.0	10154.3	11665.5	13639.0	15349.5	15436.2
70°	2249.4	2991.6	3732.8	4473.9	5800.9	7127.8	8453.8	9780.7	11774.1	13504.5	13584.2
72.5°	1856.9	2342.1	2826.2	3311.4	4386.3	5461.2	6535.1	7610.0	9360.3	10691.2	11140.5
75°	1422.6	1710.5	1998.4	2286.3	3156.0	4025.7	4894.3	5764.0	6927.6	7909.8	8415.9
77.5°	1017.1	1166.6	1316.0	1465.4	2204.6	2943.8	3682.0	4421.1	5032.8	5589.7	5931.4
80°	667.5	737.2	807.9	877.7	1492.3	2107.0	2720.6	3335.3	3707.9	4006.7	4179.1
82.5°	404.5	439.3	473.2	508.1	1006.2	1504.3	2001.4	2499.5	2712.7	2855.1	3008.5
85°	218.2	237.1	256.0	275.0	594.7	913.5	1233.3	1552.1	1573.0	1589.9	1818.1
87.5°	63.8	69.7	74.7	79.7	131.5	184.3	236.1	287.9	179.3	111.6	229.1
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: P368614
 CATALOG NUMBER: MSA-SA4D-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: P368614

CATALOG NUMBER: MSA-SA4D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7
2.5°	2637.9	2625.0	2612.0	2598.1	2585.1	2530.4	2476.6	2421.8	2367.0	2419.8	2471.6
5°	3285.5	3325.3	3364.2	3404.0	3443.9	3446.9	3448.9	3451.8	3453.8	3463.8	3473.8
7.5°	3751.7	3822.4	3892.2	3962.9	4033.6	4088.4	4143.2	4199.0	4253.8	4204.0	4154.2
10°	3791.5	3941.0	4090.4	4239.8	4389.3	4416.2	4442.1	4469.0	4495.9	4531.7	4566.6
12.5°	3831.4	4013.7	4195.0	4377.3	4559.6	4639.3	4718.0	4797.7	4876.4	4915.3	4953.1
15°	4252.8	4360.4	4467.0	4574.6	4681.2	4735.9	4789.7	4844.5	4899.3	4932.2	4964.1
17.5°	4794.7	4834.6	4873.4	4913.3	4953.1	4990.0	5026.8	5063.7	5100.6	5106.5	5112.5
20°	5288.8	5296.8	5303.8	5311.7	5318.7	5241.0	5164.3	5086.6	5008.9	5022.9	5035.8
22.5°	6030.0	5986.2	5943.3	5899.5	5856.7	5710.2	5564.8	5418.3	5272.9	5210.1	5148.4
25°	7145.8	7034.2	6922.6	6811.0	6699.5	6466.3	6234.2	6001.1	5769.0	5632.5	5497.0
27.5°	7505.4	7262.3	7020.2	6777.2	6534.1	6357.8	6182.4	6006.1	5830.8	5614.6	5398.4
30°	8232.6	7849.1	7466.5	7083.0	6699.5	6529.1	6358.8	6187.4	6017.1	5795.9	5575.7
32.5°	8877.2	8478.7	8080.2	7680.7	7282.2	6959.5	6636.7	6313.9	5991.2	5841.7	5692.3
35°	9623.3	9122.2	8621.1	8120.0	7619.0	7342.0	7066.1	6789.1	6513.2	6287.0	6061.9
37.5°	10710.2	10177.2	9644.2	9110.3	8577.3	8202.7	7829.2	7454.6	7081.0	6956.5	6832.9
40°	11746.2	11116.6	10488.0	9858.4	9229.8	8942.9	8656.0	8368.1	8081.2	7871.0	7660.8
42.5°	12613.9	11991.3	11369.7	10747.0	10125.4	9916.2	9708.0	9498.8	9290.6	9117.2	8943.9
45°	12911.8	12403.7	11896.6	11388.6	10880.5	10806.8	10734.1	10660.4	10587.6	10459.1	10330.6
47.5°	13390.9	12872.9	12355.9	11837.9	11319.8	11346.7	11373.6	11401.5	11428.4	11435.4	11441.4
50°	13672.9	13180.7	12689.6	12197.5	11706.4	11836.9	11966.4	12096.9	12227.4	12523.3	12818.1
52.5°	14084.3	13601.1	13119.0	12635.8	12152.7	12373.8	12594.0	12815.1	13035.3	13449.7	13864.1
55°	14600.3	14138.1	13676.9	13214.6	12753.4	12968.6	13182.7	13397.9	13612.1	14073.3	14534.6
57.5°	15284.7	14789.6	14295.5	13800.4	13306.3	13504.5	13701.8	13900.0	14097.3	14535.6	14973.9
60°	16063.8	15525.8	14987.9	14448.9	13911.0	13965.8	14019.6	14074.3	14128.1	14603.3	15077.5
62.5°	16446.3	15948.2	15451.1	14953.0	14454.9	14302.5	14150.1	13996.6	13844.2	14269.6	14694.0
65°	16114.6	15771.9	15430.2	15087.5	14744.8	14475.8	14207.8	13938.9	13669.9	13935.9	14200.9
67.5°	15058.6	14864.3	14671.1	14476.8	14282.5	13831.3	13380.0	12927.7	12476.4	12494.4	12511.3
70°	13347.1	13295.3	13244.5	13192.7	13140.9	12462.5	11785.1	11106.7	10428.2	10324.6	10221.0
72.5°	11178.4	11212.3	11245.1	11279.0	11312.9	10583.7	9854.4	9125.2	8396.0	8223.6	8051.3
75°	8658.0	8845.3	9032.6	9220.8	9408.1	8710.8	8013.4	7315.1	6617.8	6405.6	6193.4
77.5°	6117.7	6467.3	6816.0	7165.7	7515.3	6884.8	6255.2	5624.6	4994.0	4856.5	4719.0
80°	4265.7	4437.1	4608.4	4779.8	4951.1	4634.3	4317.5	4000.7	3684.0	3721.8	3758.7
82.5°	3107.2	3147.0	3185.9	3225.7	3265.6	3136.0	3006.5	2876.0	2746.5	2845.2	2943.8
85°	1990.4	2132.9	2274.3	2416.8	2558.2	2414.8	2271.3	2126.9	1983.4	2049.2	2114.9
87.5°	445.3	704.3	963.3	1223.3	1482.3	1342.9	1204.4	1064.9	925.5	862.7	800.9
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: P368614
 CATALOG NUMBER: MSA-SA4D-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: P368614

CATALOG NUMBER: MSA-SA4D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7
2.5°	2524.4	2577.2	2561.2	2546.3	2530.4	2514.4	2543.3	2572.2	2602.1	2631.0	2621.0
5°	3484.7	3494.7	3400.0	3306.4	3211.8	3117.1	3175.9	3234.7	3293.4	3352.2	3331.3
7.5°	4104.4	4054.5	3999.8	3945.0	3889.2	3834.4	3822.4	3810.5	3797.5	3785.6	3769.6
10°	4602.5	4637.3	4601.5	4566.6	4530.7	4494.9	4411.2	4327.5	4242.8	4159.1	4124.3
12.5°	4992.0	5030.8	5039.8	5047.8	5056.7	5065.7	4972.0	4879.4	4785.8	4692.1	4607.4
15°	4996.9	5029.8	5058.7	5086.6	5115.5	5143.4	5085.6	5028.8	4971.0	4913.3	4886.4
17.5°	5119.5	5125.5	5101.6	5078.6	5054.7	5031.8	5008.9	4987.0	4964.1	4942.2	4899.3
20°	5049.7	5063.7	5060.7	5057.7	5053.7	5050.7	5052.7	5053.7	5055.7	5056.7	5032.8
22.5°	5085.6	5022.9	5035.8	5047.8	5060.7	5072.7	5108.5	5144.4	5181.2	5217.1	5312.7
25°	5360.6	5224.1	5203.2	5183.2	5162.3	5142.4	5236.0	5328.7	5422.3	5516.0	5671.4
27.5°	5181.2	4965.1	4917.3	4869.4	4821.6	4773.8	4916.3	5057.7	5200.2	5342.6	5501.0
30°	5354.6	5134.4	5028.8	4923.2	4816.6	4711.0	4847.5	4983.0	5119.5	5255.0	5430.3
32.5°	5542.9	5393.4	5322.7	5253.0	5182.2	5112.5	5123.5	5134.4	5145.4	5156.3	5403.4
35°	5835.8	5609.6	5539.9	5470.1	5400.4	5330.7	5447.2	5562.8	5679.3	5794.9	6004.1
37.5°	6708.4	6583.9	6458.4	6332.9	6206.3	6080.8	6149.6	6218.3	6287.0	6355.8	6553.0
40°	7450.6	7240.4	7219.5	7199.6	7178.6	7157.7	7163.7	7168.7	7174.6	7180.6	7349.0
42.5°	8769.6	8596.2	8489.6	8383.0	8276.4	8169.9	8162.9	8155.9	8147.9	8141.0	8267.5
45°	10201.1	10072.6	9992.9	9913.2	9832.5	9752.8	9626.3	9499.8	9372.3	9245.8	9356.3
47.5°	11448.4	11455.3	11599.8	11743.2	11887.7	12032.1	11816.0	11599.8	11383.6	11167.4	11025.0
50°	13114.0	13408.9	13443.7	13477.6	13512.5	13547.4	13180.7	12815.1	12448.5	12081.9	11932.5
52.5°	14279.6	14694.0	14640.2	14587.4	14533.6	14479.8	14267.6	14056.4	13844.2	13632.0	13306.3
55°	14996.8	15458.1	15417.2	15377.4	15336.5	15295.7	15141.3	14986.9	14832.5	14678.0	14320.4
57.5°	15412.2	15850.6	15862.5	15874.5	15886.4	15898.4	15857.5	15816.7	15775.9	15735.0	15269.8
60°	15552.7	16027.9	16032.9	16036.9	16041.8	16045.8	15981.1	15916.3	15850.6	15785.8	15482.0
62.5°	15119.4	15543.7	15562.7	15580.6	15599.5	15618.5	15573.6	15528.8	15484.0	15439.1	15214.0
65°	14466.8	14732.8	14737.8	14741.8	14746.8	14751.8	14638.2	14525.6	14412.1	14298.5	14244.7
67.5°	12529.2	12547.2	12652.8	12758.4	12864.0	12969.6	12978.5	12987.5	12997.4	13006.4	12928.7
70°	10117.4	10013.8	10128.4	10242.9	10357.5	10472.1	10520.9	10569.7	10619.5	10668.3	10704.2
72.5°	7878.0	7705.6	7790.3	7875.0	7960.7	8045.3	7972.6	7899.9	7827.2	7754.4	7984.6
75°	5981.2	5769.0	5758.0	5748.1	5737.1	5727.2	5690.3	5653.4	5615.6	5578.7	5793.9
77.5°	4580.5	4443.1	4450.0	4456.0	4463.0	4469.0	4431.1	4394.2	4356.4	4318.5	4401.2
80°	3796.5	3833.4	3834.4	3835.4	3836.4	3837.4	3801.5	3766.6	3730.8	3694.9	3635.1
82.5°	3043.4	3142.0	3141.0	3141.0	3140.0	3139.0	3137.0	3135.0	3132.1	3130.1	3032.4
85°	2180.7	2246.4	2178.7	2111.0	2043.2	1975.5	2025.3	2075.1	2125.9	2175.7	2134.9
87.5°	738.2	676.4	595.7	516.0	435.3	354.6	441.3	528.0	615.7	702.3	752.1
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: P368614
 CATALOG NUMBER: MSA-SA4D-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



REPORT NUMBER: P368614

CATALOG NUMBER: MSA-SA4D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7	2164.7
2.5°	2612.0	2602.1	2593.1	2530.4	2466.6	2403.8	2340.1	2455.6	2572.2	2687.8	2803.3
5°	3311.4	3290.5	3270.5	3265.6	3260.6	3254.6	3249.6	3308.4	3367.2	3424.9	3483.7
7.5°	3753.7	3737.8	3721.8	3680.0	3639.1	3597.3	3555.4	3591.3	3626.2	3662.0	3696.9
10°	4090.4	4055.5	4020.7	3930.0	3840.4	3749.7	3659.1	3632.2	3605.3	3578.4	3551.5
12.5°	4522.8	4437.1	4352.4	4249.8	4146.2	4043.6	3940.0	3926.0	3912.1	3899.1	3885.2
15°	4860.5	4833.6	4806.7	4725.0	4643.3	4561.6	4479.9	4370.3	4259.8	4150.2	4040.6
17.5°	4857.5	4814.6	4772.8	4882.4	4991.0	5100.6	5209.1	5092.6	4975.0	4858.5	4741.9
20°	5008.9	4984.0	4960.1	5162.3	5363.6	5565.8	5767.0	5703.3	5638.5	5574.7	5510.0
22.5°	5407.4	5503.0	5597.7	5771.0	5943.3	6116.7	6289.0	6361.7	6434.5	6507.2	6579.9
25°	5825.8	5981.2	6136.6	6394.6	6651.6	6909.7	7167.7	7219.5	7271.3	7323.1	7374.9
27.5°	5658.4	5816.8	5975.2	6170.5	6364.7	6560.0	6754.2	6981.4	7209.5	7436.6	7663.8
30°	5604.6	5780.0	5954.3	6222.3	6489.3	6757.2	7025.2	7338.0	7650.8	7962.6	8275.5
32.5°	5649.5	5896.5	6143.6	6506.2	6867.8	7230.4	7593.1	7921.8	8251.5	8580.3	8909.0
35°	6212.3	6421.5	6629.7	7035.2	7440.6	7846.1	8251.5	8637.1	9022.6	9407.1	9792.7
37.5°	6749.3	6946.5	7143.8	7558.2	7971.6	8386.0	8800.4	9409.1	10018.8	10627.5	11236.2
40°	7516.3	7684.7	7852.1	8206.7	8561.4	8916.0	9270.7	10004.9	10739.1	11473.3	12207.5
42.5°	8393.0	8519.5	8645.0	9012.6	9380.2	9747.8	10115.4	10914.4	11714.3	12513.3	13312.2
45°	9465.9	9576.5	9687.1	9940.1	10193.1	10447.2	10700.2	11524.1	12347.9	13171.8	13995.6
47.5°	10882.5	10740.1	10597.6	10722.1	10846.6	10971.2	11095.7	11910.6	12725.5	13539.4	14354.3
50°	11783.1	11633.6	11484.2	11495.2	11505.1	11516.1	11527.1	12287.2	13047.3	13806.4	14566.5
52.5°	12980.5	12653.8	12328.0	12325.0	12322.0	12318.0	12315.0	12977.5	13641.0	14303.5	14965.9
55°	13962.8	13605.1	13247.5	13177.8	13108.0	13037.3	12967.6	13623.1	14277.6	14933.1	15587.6
57.5°	14804.6	14338.3	13873.1	13763.5	13653.9	13544.4	13434.8	14141.1	14848.4	15554.7	16261.0
60°	15179.1	14875.3	14572.4	14438.0	14303.5	14169.0	14034.5	14636.2	15237.9	15838.6	16440.3
62.5°	14989.9	14764.7	14540.6	14571.4	14602.3	14633.2	14664.1	15007.8	15352.5	15696.2	16039.8
65°	14191.9	14138.1	14085.3	14334.4	14583.4	14832.5	15081.5	15086.5	15091.5	15096.4	15101.4
67.5°	12851.0	12773.3	12695.6	13213.6	13730.7	14248.7	14766.7	14520.6	14274.6	14029.5	13783.5
70°	10739.1	10774.9	10809.8	11515.1	12219.4	12924.7	13630.0	13273.4	12915.8	12559.1	12201.5
72.5°	8214.7	8445.8	8675.9	9407.1	10138.3	10869.6	11600.8	11193.3	10784.9	10377.4	9969.0
75°	6009.1	6224.3	6439.4	7161.7	7883.9	8607.2	9329.4	8845.3	8361.1	7878.0	7393.8
77.5°	4483.9	4567.6	4650.3	5251.0	5850.7	6451.4	7051.1	6565.0	6078.8	5593.7	5107.5
80°	3576.4	3516.6	3457.8	3790.5	4123.3	4456.0	4788.7	4444.1	4098.4	3753.7	3409.0
82.5°	2935.8	2838.2	2741.5	2865.1	2988.6	3113.1	3236.7	2960.7	2684.8	2408.8	2132.9
85°	2094.0	2053.2	2012.3	2048.2	2083.1	2118.9	2154.8	1885.8	1616.8	1348.9	1079.9
87.5°	800.9	850.8	900.6	957.4	1013.1	1069.9	1125.7	881.6	637.6	394.5	150.4
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



REPORT NUMBER: P368614
 CATALOG NUMBER: MSA-SA4D-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



REPORT NUMBER: P368614
 CATALOG NUMBER: MSA-SA4D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	2164.7	2164.7
2.5°	2851.1	2898.9
5°	3482.7	3481.7
7.5°	3681.0	3664.0
10°	3507.6	3463.8
12.5°	3755.7	3625.2
15°	3911.1	3780.6
17.5°	4545.7	4348.4
20°	5275.9	5040.8
22.5°	6222.3	5864.6
25°	6947.5	6519.1
27.5°	7409.8	7154.7
30°	7983.6	7691.7
32.5°	8693.9	8477.7
35°	9595.4	9397.2
37.5°	11174.4	11111.6
40°	12132.7	12057.0
42.5°	13315.2	13317.2
45°	14040.5	14085.3
47.5°	14467.8	14580.4
50°	14808.5	15049.6
52.5°	15295.7	15625.4
55°	16025.9	16463.2
57.5°	16633.6	17006.2
60°	16633.6	16825.9
62.5°	16034.9	16028.9
65°	15008.8	14915.1
67.5°	13665.9	13548.3
70°	12018.2	11833.9
72.5°	9740.9	9511.7
75°	7080.0	6765.2
77.5°	4958.1	4807.7
80°	3481.7	3554.4
82.5°	2236.5	2340.1
85°	1063.9	1048.0
87.5°	125.5	100.6
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: P368614
CATALOG NUMBER: MSA-SA4D-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)