

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: P368613

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

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P368613
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-25)
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-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17477 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

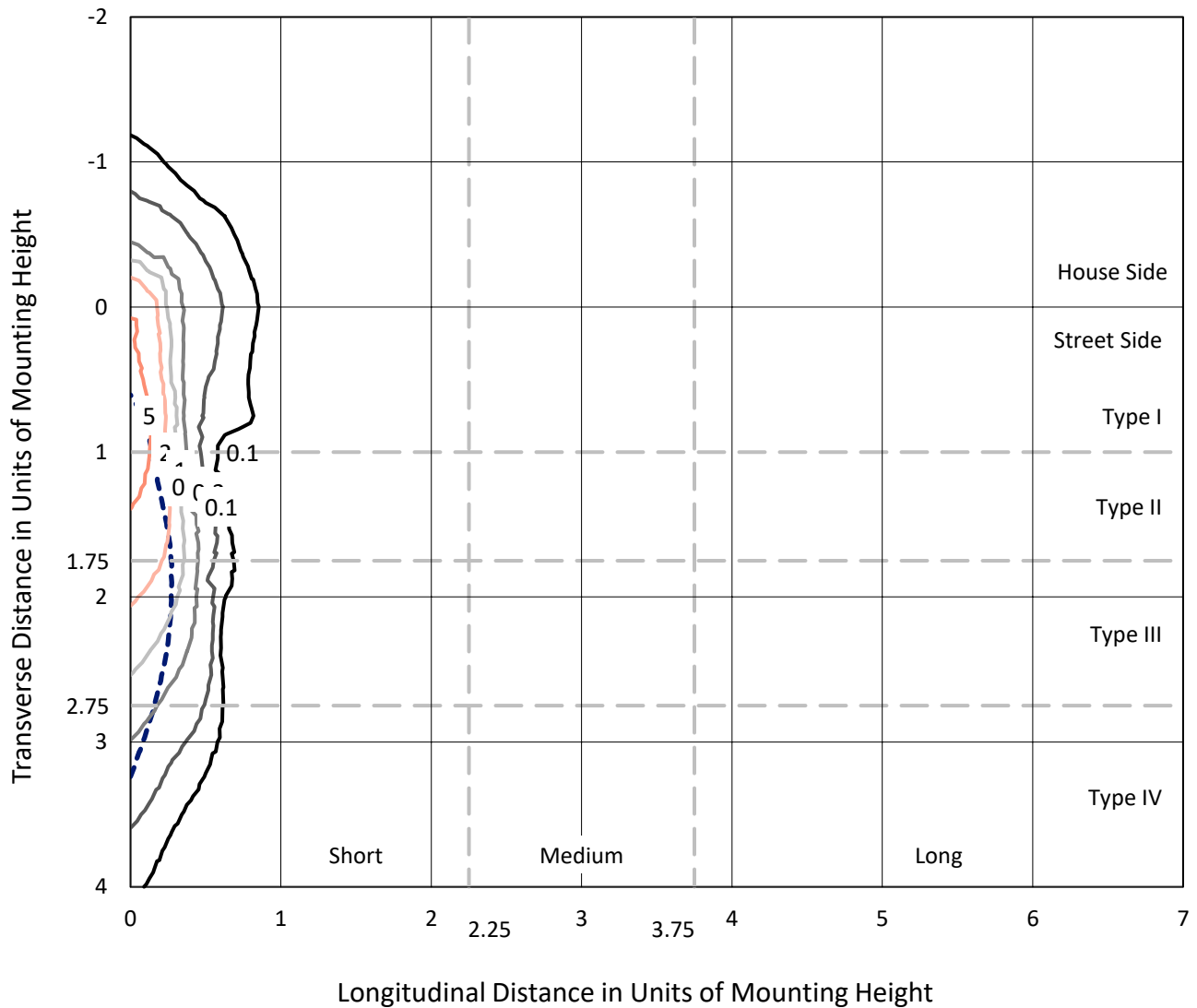
Input Watts (W): 259
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

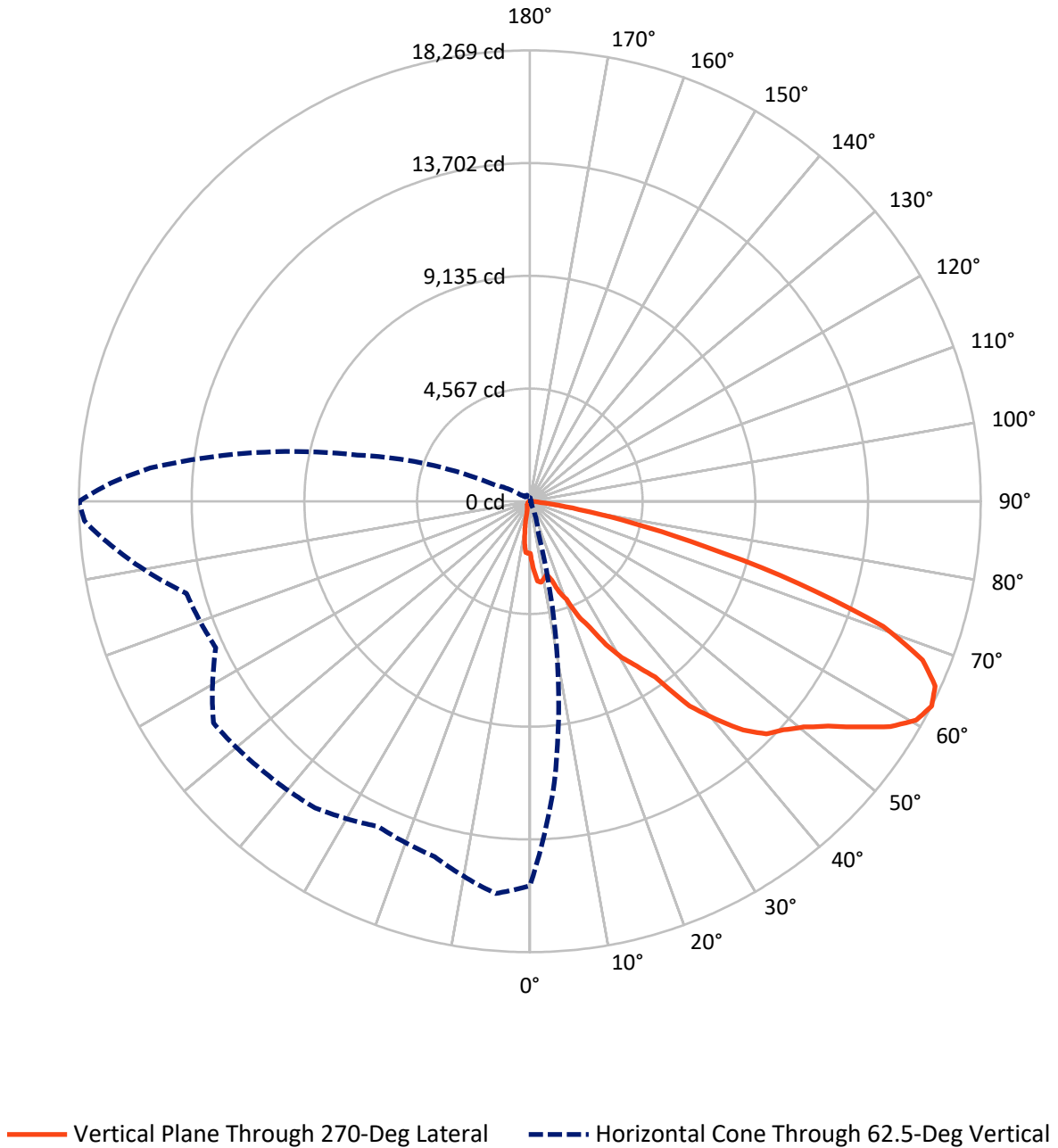
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 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	2918.4	0.0	2918.4
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	14558.6	0.0	14558.6
	% Fixture	83.3	0.0	83.3
Total	Lumens	17477.0	0.0	17477.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.3	1.3
10°-20°	614.7	3.5
20°-30°	993.5	5.7
30°-40°	1664.0	9.5
40°-50°	2720.2	15.6
50°-60°	4026.8	23.0
60°-70°	4622.9	26.5
70°-80°	2285.7	13.1
80°-90°	313.9	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	17477.0	100.0
0°-180°	17477.0	100.0

Coefficient of Utilization

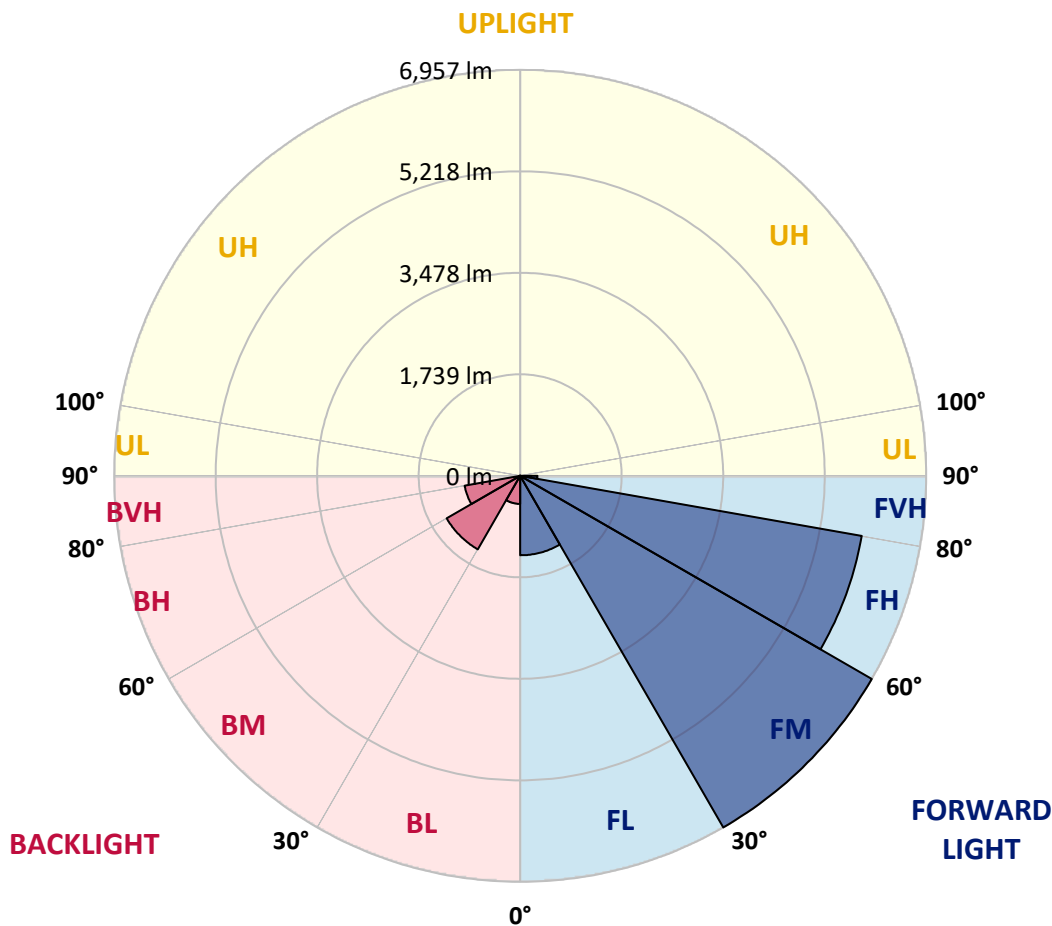


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1361.6	7.8			
FM (30°-60°)	6956.7	39.8			
FH (60°-80°)	5943.0	34.0			G3/7500
FVH (80°-90°)	297.2	1.7			G3/500
BL (0°-30°)	481.9	2.8	B1/500		
BM (30°-60°)	1454.3	8.3	B2/2500		
BH (60°-80°)	965.6	5.5	B2/1000		G2/1000
BVH (80°-90°)	16.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1
2.5°	2792.5	2827.3	2861.2	2796.5	2731.7	2666.9	2602.2	2544.4	2486.6	2427.8	2370.1
5°	3593.5	3529.7	3465.9	3378.3	3290.6	3202.9	3115.3	3074.4	3033.6	2992.7	2951.9
7.5°	3872.4	3758.8	3644.3	3566.6	3489.8	3412.1	3334.4	3211.9	3088.4	2965.8	2842.3
10°	3653.2	3532.7	3411.1	3343.4	3275.7	3207.9	3140.2	2987.7	2834.3	2681.9	2528.5
12.5°	3753.8	3623.3	3492.8	3353.4	3213.9	3074.4	2934.9	2818.4	2700.8	2584.3	2466.7
15°	3823.6	3674.1	3523.7	3364.3	3204.9	3045.5	2886.1	2748.6	2612.2	2474.7	2337.2
17.5°	4233.0	4018.8	3804.7	3559.6	3314.5	3069.4	2824.4	2665.0	2506.6	2347.2	2187.8
20°	4759.1	4455.2	4150.4	3818.6	3486.9	3155.1	2823.4	2625.1	2426.9	2228.6	2030.3
22.5°	5370.8	4991.2	4610.6	4201.2	3792.7	3383.2	2973.8	2688.9	2403.9	2119.0	1834.1
25°	5986.4	5643.7	5301.0	4750.1	4199.2	3647.3	3096.3	2734.7	2372.1	2010.4	1647.8
27.5°	7098.2	6485.6	5872.9	5171.5	4471.1	3769.8	3068.4	2654.0	2239.6	1824.1	1409.7
30°	7825.5	7354.3	6882.1	5955.5	5030.0	4103.5	3177.0	2652.0	2127.0	1601.0	1075.9
32.5°	8695.2	8005.8	7315.4	6310.2	5305.0	4299.8	3294.6	2677.9	2060.2	1443.6	825.9
35°	9672.5	8922.4	8172.2	6899.0	5625.8	4351.6	3078.4	2480.6	1882.9	1285.2	687.4
37.5°	11399.0	10143.8	8888.5	7404.1	5918.7	4434.3	2948.9	2352.1	1754.4	1157.6	559.9
40°	12379.3	11180.8	9982.4	8127.4	6272.4	4417.3	2562.3	2032.3	1503.3	973.3	443.3
42.5°	13654.5	12134.3	10613.0	8539.8	6466.6	4393.4	2320.3	1830.1	1339.9	848.8	358.6
45°	14410.7	12688.2	10965.7	8719.1	6472.6	4226.1	1979.5	1555.1	1130.7	706.3	281.9
47.5°	14887.9	13160.4	11432.9	9021.0	6610.1	4198.2	1786.3	1395.7	1005.2	614.7	224.2
50°	15130.0	13397.5	11664.0	9185.4	6706.7	4227.1	1748.4	1359.9	970.3	581.8	192.3
52.5°	15382.0	13711.3	12039.6	9470.3	6901.0	4331.7	1762.4	1365.9	970.3	573.8	177.3
55°	15891.1	14243.3	12594.5	9878.8	7163.0	4447.2	1731.5	1340.9	950.4	558.9	168.4
57.5°	16516.7	14755.4	12993.0	10177.6	7362.2	4546.9	1731.5	1339.0	946.4	552.9	160.4
60°	16398.2	14486.4	12573.6	9841.9	7110.2	4377.5	1645.8	1272.2	899.6	526.0	152.4
62.5°	15584.2	13509.1	11432.9	8908.4	6382.9	3858.5	1333.0	1035.1	737.2	438.3	140.5
65°	14627.9	12425.2	10221.5	7898.2	5574.0	3250.7	926.5	727.3	527.0	327.8	127.5
67.5°	13476.2	11127.1	8777.9	6711.7	4646.5	2580.3	514.1	414.4	314.8	214.2	114.6
70°	11477.7	9052.9	6627.0	5039.0	3452.0	1864.0	276.0	233.1	190.3	147.4	104.6
72.5°	8616.5	6394.9	4173.3	3170.0	2167.8	1164.6	161.4	145.5	128.5	112.6	95.6
75°	5862.9	4198.2	2533.4	1928.7	1325.0	720.3	115.6	107.6	98.6	90.7	81.7
77.5°	3986.0	2883.1	1780.3	1358.9	937.5	516.1	94.6	89.7	84.7	78.7	73.7
80°	2488.6	1703.6	918.5	707.3	495.1	283.9	71.7	68.7	65.8	61.8	58.8
82.5°	1740.4	1041.1	341.7	267.0	192.3	116.6	41.8	42.8	43.8	43.8	44.8
85°	730.2	394.5	58.8	49.8	40.8	31.9	22.9	24.9	27.9	29.9	31.9
87.5°	13.0	7.0	0.0	2.0	5.0	7.0	9.0	12.0	13.9	16.9	18.9
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°	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1
2.5°	2385.0	2400.0	2413.9	2428.8	2416.9	2405.9	2394.0	2382.0	2364.1	2347.2	2329.2
5°	2902.1	2852.2	2802.4	2752.6	2676.9	2601.2	2524.5	2448.8	2439.8	2430.8	2420.9
7.5°	2725.7	2609.2	2491.6	2375.0	2265.5	2155.9	2046.3	1936.7	1902.8	1870.0	1836.1
10°	2438.8	2349.1	2258.5	2168.8	2090.1	2010.4	1931.7	1852.0	1769.3	1686.6	1603.0
12.5°	2373.1	2279.4	2184.8	2091.1	2019.4	1947.7	1875.9	1804.2	1711.5	1618.9	1526.2
15°	2235.6	2134.0	2032.3	1930.7	1835.1	1739.4	1642.8	1547.2	1435.6	1324.0	1212.4
17.5°	2067.2	1947.7	1827.1	1706.6	1581.0	1455.5	1330.0	1204.5	1075.9	948.4	819.9
20°	1867.0	1703.6	1539.2	1375.8	1220.4	1065.0	908.6	753.2	672.5	592.8	512.1
22.5°	1622.9	1410.7	1199.5	987.3	859.8	731.2	603.7	475.2	440.3	405.5	370.6
25°	1407.7	1167.6	927.5	687.4	606.7	526.0	445.3	364.6	348.7	331.7	315.8
27.5°	1183.5	958.4	732.2	506.1	460.3	413.4	367.6	320.8	309.8	299.9	288.9
30°	907.6	739.2	569.9	401.5	371.6	341.7	310.8	280.9	276.0	270.0	265.0
32.5°	703.3	579.8	457.3	333.7	316.8	299.9	282.9	266.0	258.0	250.1	241.1
35°	587.8	489.2	389.5	289.9	278.0	265.0	253.0	240.1	232.1	223.2	215.2
37.5°	487.2	415.4	342.7	270.0	257.0	244.1	230.1	217.2	211.2	205.2	199.2
40°	401.5	359.6	317.8	276.0	257.0	238.1	219.2	200.2	195.3	190.3	185.3
42.5°	331.7	304.9	277.0	250.1	236.1	223.2	209.2	195.3	188.3	180.3	173.3
45°	268.0	253.0	239.1	224.2	225.2	226.1	226.1	227.1	209.2	190.3	172.4
47.5°	217.2	210.2	202.2	195.3	203.2	211.2	218.2	226.1	207.2	188.3	168.4
50°	186.3	181.3	175.3	169.4	177.3	186.3	194.3	202.2	194.3	187.3	179.3
52.5°	170.4	163.4	156.4	149.4	152.4	156.4	159.4	162.4	162.4	162.4	162.4
55°	160.4	153.4	145.5	137.5	134.5	130.5	127.5	123.5	118.6	114.6	109.6
57.5°	152.4	144.5	135.5	127.5	122.5	116.6	111.6	105.6	100.6	94.6	89.7
60°	144.5	136.5	127.5	119.5	114.6	109.6	103.6	98.6	92.7	87.7	81.7
62.5°	133.5	126.5	119.5	112.6	107.6	103.6	98.6	93.6	87.7	81.7	74.7
65°	121.5	116.6	110.6	104.6	99.6	94.6	89.7	84.7	78.7	73.7	67.7
67.5°	110.6	105.6	101.6	96.6	90.7	85.7	79.7	73.7	69.7	65.8	60.8
70°	101.6	97.6	94.6	90.7	84.7	79.7	73.7	67.7	64.8	60.8	57.8
72.5°	92.7	89.7	85.7	82.7	77.7	72.7	67.7	62.8	59.8	56.8	53.8
75°	79.7	77.7	75.7	73.7	68.7	63.8	57.8	52.8	51.8	50.8	49.8
77.5°	71.7	70.7	68.7	66.7	61.8	56.8	51.8	46.8	47.8	48.8	48.8
80°	58.8	58.8	57.8	57.8	53.8	49.8	44.8	40.8	42.8	45.8	47.8
82.5°	44.8	44.8	44.8	44.8	40.8	36.9	32.9	28.9	31.9	33.9	36.9
85°	30.9	29.9	28.9	27.9	24.9	22.9	19.9	16.9	20.9	23.9	27.9
87.5°	18.9	19.9	19.9	19.9	17.9	14.9	13.0	10.0	12.0	13.0	14.9
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: P368613
 CATALOG NUMBER: MSA-SA4D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P368613
 CATALOG NUMBER: MSA-SA4D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1
2.5°	2311.3	2281.4	2251.5	2220.6	2190.7	2121.0	2051.3	1981.5	1911.8	1963.6	2014.4
5°	2411.9	2354.1	2295.3	2237.6	2178.8	2152.9	2128.0	2102.1	2076.2	2080.2	2085.1
7.5°	1802.2	1764.3	1726.5	1687.6	1649.8	1641.8	1634.8	1626.9	1618.9	1635.8	1651.8
10°	1520.3	1467.5	1413.7	1360.9	1307.1	1278.2	1249.3	1220.4	1191.5	1188.5	1184.5
12.5°	1433.6	1352.9	1273.2	1192.5	1111.8	1049.0	986.3	923.5	860.8	865.7	870.7
15°	1100.8	1020.2	940.5	859.8	779.1	728.3	676.4	625.6	573.8	558.9	543.9
17.5°	691.4	631.6	571.8	511.1	451.3	434.4	418.4	401.5	384.6	379.6	374.6
20°	431.4	405.5	379.6	352.7	326.8	322.8	318.8	314.8	310.8	313.8	316.8
22.5°	335.7	324.8	312.8	301.9	289.9	285.9	281.9	278.0	274.0	277.0	278.9
25°	298.9	290.9	282.9	275.0	267.0	263.0	258.0	254.0	249.1	251.1	254.0
27.5°	278.0	271.0	264.0	257.0	250.1	243.1	237.1	230.1	223.2	227.1	230.1
30°	259.0	251.1	244.1	236.1	228.1	221.2	214.2	206.2	199.2	203.2	207.2
32.5°	233.1	226.1	218.2	211.2	203.2	199.2	195.3	190.3	186.3	189.3	191.3
35°	206.2	200.2	195.3	189.3	183.3	179.3	176.3	172.4	168.4	169.4	171.4
37.5°	193.3	186.3	179.3	172.4	165.4	163.4	161.4	158.4	156.4	156.4	156.4
40°	180.3	173.3	166.4	158.4	151.4	148.4	145.5	142.5	139.5	139.5	139.5
42.5°	165.4	158.4	151.4	144.5	137.5	134.5	130.5	127.5	123.5	123.5	123.5
45°	153.4	146.4	140.5	133.5	126.5	121.5	116.6	110.6	105.6	104.6	103.6
47.5°	149.4	139.5	129.5	119.5	109.6	104.6	99.6	93.6	88.7	87.7	86.7
50°	171.4	151.4	131.5	111.6	91.7	87.7	83.7	79.7	75.7	73.7	72.7
52.5°	162.4	141.5	120.5	99.6	78.7	75.7	72.7	69.7	66.7	64.8	62.8
55°	104.6	95.6	87.7	78.7	69.7	67.7	65.8	62.8	60.8	58.8	56.8
57.5°	83.7	78.7	74.7	69.7	64.8	62.8	60.8	57.8	55.8	52.8	50.8
60°	75.7	71.7	67.7	63.8	59.8	57.8	55.8	53.8	51.8	48.8	46.8
62.5°	68.7	65.8	62.8	59.8	56.8	54.8	52.8	50.8	48.8	45.8	42.8
65°	61.8	59.8	57.8	55.8	53.8	51.8	49.8	46.8	44.8	41.8	38.9
67.5°	56.8	55.8	54.8	53.8	52.8	50.8	47.8	45.8	42.8	39.8	35.9
70°	53.8	53.8	53.8	52.8	52.8	50.8	47.8	45.8	42.8	38.9	35.9
72.5°	50.8	51.8	52.8	52.8	53.8	50.8	47.8	44.8	41.8	37.9	34.9
75°	48.8	49.8	50.8	50.8	51.8	49.8	47.8	44.8	42.8	38.9	34.9
77.5°	49.8	50.8	50.8	51.8	51.8	49.8	47.8	44.8	42.8	37.9	32.9
80°	49.8	48.8	47.8	45.8	44.8	40.8	36.9	31.9	27.9	21.9	16.9
82.5°	38.9	36.9	35.9	33.9	31.9	27.9	23.9	19.9	15.9	12.0	8.0
85°	30.9	28.9	27.9	25.9	23.9	20.9	16.9	13.9	10.0	8.0	5.0
87.5°	15.9	14.9	13.0	12.0	10.0	8.0	5.0	3.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368613
 CATALOG NUMBER: MSA-SA4D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P368613
 CATALOG NUMBER: MSA-SA4D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1
2.5°	2066.2	2117.0	2110.0	2103.1	2135.9	2168.8	2144.9	2122.0	2098.1	2074.2	2024.4
5°	2089.1	2093.1	2086.1	2078.2	2079.2	2080.2	2064.2	2048.3	2032.3	2016.4	2013.4
7.5°	1668.7	1684.6	1706.6	1727.5	1728.5	1728.5	1716.5	1704.6	1691.6	1679.7	1685.6
10°	1181.5	1177.6	1183.5	1189.5	1188.5	1186.5	1218.4	1250.3	1281.2	1313.0	1290.1
12.5°	874.7	879.7	854.8	829.9	838.8	846.8	851.8	856.8	861.8	866.7	880.7
15°	529.0	514.1	496.1	478.2	487.2	495.1	504.1	512.1	521.0	529.0	538.0
17.5°	368.6	363.6	355.7	346.7	347.7	348.7	349.7	350.7	350.7	351.7	353.7
20°	319.8	322.8	316.8	309.8	307.8	304.9	302.9	300.9	297.9	295.9	292.9
22.5°	281.9	283.9	284.9	284.9	280.9	276.0	272.0	269.0	265.0	261.0	259.0
25°	256.0	258.0	256.0	253.0	251.1	249.1	247.1	244.1	242.1	239.1	238.1
27.5°	234.1	237.1	237.1	236.1	234.1	231.1	226.1	222.2	217.2	212.2	213.2
30°	211.2	215.2	215.2	214.2	213.2	212.2	207.2	202.2	197.3	192.3	194.3
32.5°	194.3	196.3	195.3	194.3	194.3	193.3	189.3	186.3	182.3	178.3	178.3
35°	172.4	173.3	173.3	173.3	173.3	172.4	169.4	166.4	163.4	160.4	161.4
37.5°	156.4	156.4	159.4	161.4	159.4	157.4	155.4	152.4	150.4	147.4	147.4
40°	138.5	138.5	141.5	143.5	141.5	139.5	138.5	136.5	135.5	133.5	133.5
42.5°	122.5	122.5	125.5	127.5	127.5	126.5	124.5	122.5	120.5	118.6	119.5
45°	102.6	101.6	106.6	110.6	108.6	106.6	106.6	105.6	105.6	104.6	105.6
47.5°	84.7	83.7	87.7	91.7	90.7	88.7	88.7	88.7	88.7	88.7	89.7
50°	70.7	68.7	72.7	75.7	74.7	72.7	72.7	73.7	73.7	73.7	74.7
52.5°	60.8	58.8	61.8	63.8	62.8	61.8	61.8	62.8	62.8	62.8	63.8
55°	53.8	51.8	54.8	56.8	55.8	53.8	54.8	54.8	55.8	55.8	55.8
57.5°	47.8	44.8	46.8	48.8	48.8	47.8	48.8	48.8	49.8	49.8	49.8
60°	43.8	40.8	42.8	43.8	43.8	42.8	43.8	43.8	44.8	44.8	44.8
62.5°	38.9	35.9	37.9	38.9	38.9	37.9	38.9	38.9	39.8	39.8	39.8
65°	34.9	31.9	32.9	33.9	33.9	33.9	34.9	34.9	35.9	35.9	35.9
67.5°	32.9	28.9	29.9	30.9	30.9	30.9	31.9	31.9	32.9	32.9	33.9
70°	31.9	27.9	28.9	28.9	29.9	29.9	29.9	30.9	30.9	30.9	30.9
72.5°	30.9	26.9	26.9	26.9	27.9	27.9	27.9	28.9	28.9	28.9	28.9
75°	30.9	26.9	25.9	24.9	25.9	25.9	25.9	26.9	26.9	26.9	26.9
77.5°	26.9	21.9	19.9	16.9	19.9	21.9	22.9	22.9	23.9	23.9	23.9
80°	11.0	5.0	3.0	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0
82.5°	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368613
 CATALOG NUMBER: MSA-SA4D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P368613
 CATALOG NUMBER: MSA-SA4D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1
2.5°	1974.6	1924.7	1874.9	1898.8	1922.8	1946.7	1970.6	1968.6	1965.6	1963.6	1960.6
5°	2011.4	2008.4	2005.4	1991.5	1978.5	1964.6	1950.6	1947.7	1943.7	1940.7	1936.7
7.5°	1691.6	1696.6	1702.6	1686.6	1670.7	1654.8	1638.8	1598.0	1557.1	1515.3	1474.4
10°	1267.2	1243.3	1220.4	1218.4	1216.4	1214.4	1212.4	1208.4	1204.5	1199.5	1195.5
12.5°	895.6	909.6	923.5	918.5	913.6	907.6	902.6	909.6	917.5	924.5	931.5
15°	545.9	554.9	562.9	580.8	598.7	616.7	634.6	641.6	649.6	656.5	663.5
17.5°	355.7	356.7	358.6	378.6	397.5	417.4	436.4	449.3	462.3	474.2	487.2
20°	289.9	286.9	283.9	294.9	305.8	316.8	327.8	339.7	351.7	363.6	375.6
22.5°	258.0	256.0	254.0	258.0	262.0	265.0	269.0	278.0	287.9	296.9	305.8
25°	237.1	235.1	234.1	236.1	238.1	240.1	242.1	247.1	252.0	257.0	262.0
27.5°	213.2	214.2	214.2	216.2	217.2	219.2	220.2	222.2	225.2	227.1	229.1
30°	195.3	197.3	198.3	200.2	201.2	203.2	204.2	203.2	202.2	201.2	200.2
32.5°	178.3	177.3	177.3	179.3	180.3	182.3	183.3	185.3	187.3	188.3	190.3
35°	161.4	162.4	162.4	162.4	163.4	163.4	163.4	165.4	168.4	170.4	172.4
37.5°	146.4	146.4	145.5	148.4	150.4	153.4	155.4	157.4	160.4	162.4	164.4
40°	133.5	133.5	133.5	135.5	137.5	138.5	140.5	145.5	150.4	155.4	160.4
42.5°	119.5	120.5	120.5	122.5	124.5	125.5	127.5	131.5	134.5	138.5	141.5
45°	106.6	107.6	108.6	110.6	111.6	113.6	114.6	116.6	117.6	119.5	120.5
47.5°	91.7	92.7	93.6	95.6	96.6	98.6	99.6	98.6	98.6	97.6	96.6
50°	76.7	77.7	78.7	81.7	83.7	86.7	88.7	86.7	84.7	81.7	79.7
52.5°	64.8	64.8	65.8	67.7	69.7	70.7	72.7	71.7	70.7	69.7	68.7
55°	55.8	55.8	55.8	56.8	57.8	58.8	59.8	60.8	60.8	61.8	61.8
57.5°	49.8	48.8	48.8	49.8	50.8	50.8	51.8	52.8	52.8	53.8	53.8
60°	44.8	43.8	43.8	44.8	45.8	46.8	47.8	47.8	47.8	46.8	46.8
62.5°	39.8	39.8	39.8	40.8	40.8	41.8	41.8	41.8	42.8	42.8	42.8
65°	36.9	36.9	36.9	36.9	36.9	35.9	35.9	36.9	36.9	37.9	37.9
67.5°	33.9	34.9	34.9	33.9	32.9	31.9	30.9	31.9	31.9	32.9	32.9
70°	30.9	30.9	30.9	29.9	28.9	27.9	26.9	26.9	26.9	25.9	25.9
72.5°	28.9	27.9	27.9	26.9	24.9	23.9	21.9	20.9	20.9	19.9	18.9
75°	26.9	25.9	25.9	23.9	21.9	19.9	17.9	16.9	14.9	13.9	12.0
77.5°	23.9	23.9	23.9	20.9	18.9	15.9	13.0	11.0	9.0	6.0	4.0
80°	8.0	9.0	10.0	9.0	9.0	8.0	7.0	5.0	4.0	2.0	0.0
82.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368613
 CATALOG NUMBER: MSA-SA4D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368613
 CATALOG NUMBER: MSA-SA4D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1
2.5°	1971.6	1982.5	1993.5	2004.4	2005.4	2006.4	2007.4	2008.4	1983.5	1957.6	1932.7
5°	1956.6	1977.5	1997.5	2017.4	2006.4	1995.5	1984.5	1973.6	1972.6	1972.6	1971.6
7.5°	1477.4	1479.4	1482.4	1484.4	1488.4	1492.4	1495.4	1499.3	1515.3	1531.2	1546.2
10°	1182.5	1169.6	1155.6	1142.7	1132.7	1121.8	1111.8	1100.8	1108.8	1117.8	1125.8
12.5°	920.5	909.6	897.6	886.7	882.7	878.7	873.7	869.7	895.6	921.5	946.4
15°	661.5	659.5	656.5	654.5	667.5	680.4	693.4	706.3	728.3	749.2	771.1
17.5°	492.1	497.1	502.1	507.1	515.1	523.0	530.0	538.0	553.9	570.8	586.8
20°	381.6	388.5	394.5	400.5	398.5	396.5	393.5	391.5	404.5	417.4	429.4
22.5°	311.8	316.8	322.8	327.8	328.8	329.8	330.8	331.7	339.7	346.7	354.7
25°	267.0	273.0	278.0	282.9	283.9	284.9	285.9	286.9	296.9	306.8	315.8
27.5°	236.1	242.1	249.1	255.0	257.0	259.0	261.0	263.0	269.0	274.0	279.9
30°	208.2	216.2	224.2	232.1	235.1	238.1	241.1	244.1	250.1	257.0	263.0
32.5°	194.3	199.2	203.2	207.2	214.2	220.2	227.1	233.1	240.1	248.1	255.0
35°	178.3	183.3	189.3	194.3	199.2	204.2	208.2	213.2	217.2	221.2	224.2
37.5°	168.4	173.3	177.3	181.3	183.3	185.3	186.3	188.3	190.3	192.3	193.3
40°	160.4	159.4	159.4	158.4	160.4	163.4	165.4	167.4	173.3	178.3	184.3
42.5°	139.5	136.5	134.5	131.5	136.5	140.5	145.5	149.4	157.4	165.4	173.3
45°	118.6	116.6	113.6	111.6	118.6	125.5	132.5	139.5	148.4	156.4	165.4
47.5°	97.6	98.6	98.6	99.6	106.6	113.6	119.5	126.5	135.5	144.5	153.4
50°	81.7	83.7	85.7	87.7	94.6	100.6	107.6	113.6	123.5	132.5	142.5
52.5°	71.7	74.7	76.7	79.7	85.7	92.7	98.6	104.6	113.6	122.5	131.5
55°	64.8	68.7	71.7	74.7	79.7	84.7	89.7	94.6	103.6	112.6	120.5
57.5°	56.8	59.8	62.8	65.8	70.7	75.7	79.7	84.7	92.7	101.6	109.6
60°	49.8	51.8	54.8	56.8	60.8	65.8	69.7	73.7	81.7	89.7	96.6
62.5°	43.8	45.8	46.8	47.8	51.8	55.8	59.8	63.8	70.7	78.7	85.7
65°	38.9	39.8	39.8	40.8	43.8	47.8	50.8	53.8	61.8	68.7	76.7
67.5°	32.9	33.9	33.9	33.9	36.9	39.8	42.8	45.8	52.8	60.8	67.7
70°	25.9	26.9	26.9	26.9	29.9	33.9	36.9	39.8	45.8	51.8	57.8
72.5°	19.9	19.9	20.9	20.9	23.9	27.9	30.9	33.9	38.9	43.8	48.8
75°	13.0	13.9	13.9	14.9	17.9	21.9	24.9	27.9	32.9	37.9	41.8
77.5°	5.0	7.0	8.0	9.0	12.0	14.9	17.9	20.9	24.9	29.9	33.9
80°	0.0	1.0	1.0	1.0	3.0	4.0	6.0	7.0	10.0	13.9	16.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368613
 CATALOG NUMBER: MSA-SA4D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P368613
 CATALOG NUMBER: MSA-SA4D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1
2.5°	1906.8	1961.6	2016.4	2071.2	2126.0	2193.7	2261.5	2271.4	2281.4	2269.4	2258.5
5°	1970.6	1997.5	2023.4	2050.3	2076.2	2153.9	2230.6	2231.6	2231.6	2232.6	2232.6
7.5°	1562.1	1585.0	1607.9	1629.9	1652.8	1703.6	1754.4	1773.3	1791.2	1787.3	1783.3
10°	1133.7	1163.6	1192.5	1222.4	1251.3	1298.1	1344.9	1362.9	1379.8	1434.6	1490.4
12.5°	972.3	1001.2	1030.1	1058.0	1086.9	1134.7	1182.5	1217.4	1251.3	1285.2	1319.0
15°	792.0	814.9	838.8	861.8	884.7	906.6	928.5	971.3	1013.2	1047.1	1080.9
17.5°	602.7	612.7	621.7	631.6	640.6	650.5	660.5	678.4	695.4	725.3	754.2
20°	442.3	450.3	458.3	465.2	473.2	483.2	493.1	506.1	518.0	525.0	531.0
22.5°	361.6	373.6	385.5	396.5	408.5	415.4	422.4	426.4	430.4	433.4	436.4
25°	325.8	336.7	346.7	357.7	367.6	370.6	373.6	381.6	389.5	389.5	389.5
27.5°	284.9	299.9	315.8	330.8	345.7	349.7	352.7	355.7	357.7	353.7	348.7
30°	269.0	283.9	298.9	312.8	327.8	333.7	338.7	341.7	344.7	339.7	334.7
32.5°	262.0	276.0	288.9	302.9	315.8	323.8	330.8	338.7	345.7	346.7	348.7
35°	228.1	237.1	247.1	256.0	265.0	269.0	273.0	276.0	278.0	278.0	278.0
37.5°	195.3	207.2	220.2	232.1	244.1	253.0	262.0	263.0	263.0	265.0	268.0
40°	189.3	201.2	213.2	224.2	236.1	246.1	255.0	256.0	257.0	259.0	261.0
42.5°	181.3	194.3	207.2	220.2	233.1	243.1	252.0	252.0	251.1	254.0	256.0
45°	173.3	186.3	198.3	211.2	223.2	236.1	248.1	245.1	241.1	246.1	250.1
47.5°	162.4	176.3	190.3	203.2	217.2	229.1	240.1	238.1	235.1	240.1	245.1
50°	151.4	165.4	179.3	193.3	207.2	220.2	232.1	230.1	228.1	234.1	239.1
52.5°	140.5	154.4	169.4	183.3	197.3	208.2	218.2	217.2	216.2	222.2	229.1
55°	129.5	142.5	156.4	169.4	182.3	194.3	205.2	203.2	201.2	206.2	211.2
57.5°	117.6	130.5	142.5	155.4	167.4	177.3	186.3	183.3	180.3	186.3	192.3
60°	104.6	116.6	128.5	139.5	151.4	159.4	166.4	164.4	161.4	167.4	173.3
62.5°	92.7	103.6	114.6	124.5	135.5	141.5	147.4	145.5	143.5	149.4	156.4
65°	83.7	92.7	100.6	109.6	117.6	123.5	129.5	126.5	123.5	130.5	136.5
67.5°	74.7	81.7	89.7	96.6	103.6	108.6	113.6	111.6	108.6	113.6	118.6
70°	63.8	70.7	77.7	83.7	90.7	95.6	100.6	97.6	93.6	98.6	103.6
72.5°	53.8	59.8	65.8	70.7	76.7	80.7	84.7	81.7	78.7	82.7	86.7
75°	46.8	51.8	56.8	60.8	65.8	67.7	69.7	68.7	66.7	70.7	73.7
77.5°	37.9	41.8	46.8	50.8	54.8	54.8	54.8	55.8	55.8	59.8	64.8
80°	19.9	23.9	27.9	30.9	34.9	34.9	33.9	35.9	36.9	41.8	46.8
82.5°	0.0	3.0	6.0	9.0	12.0	11.0	9.0	10.0	10.0	12.0	13.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368613
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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: P368613

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

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1
2.5°	2246.5	2234.6	2226.6	2219.6	2211.7	2203.7	2213.7	2223.6	2232.6	2242.5	2272.4
5°	2233.6	2233.6	2226.6	2219.6	2212.7	2205.7	2220.6	2234.6	2249.5	2263.5	2262.5
7.5°	1778.3	1774.3	1816.2	1857.0	1898.8	1939.7	1950.6	1961.6	1971.6	1982.5	1979.5
10°	1545.2	1600.0	1617.9	1635.8	1653.8	1671.7	1693.6	1715.5	1737.5	1759.4	1767.3
12.5°	1352.9	1386.8	1444.6	1501.3	1559.1	1615.9	1644.8	1674.7	1703.6	1732.5	1789.3
15°	1114.8	1148.7	1198.5	1248.3	1298.1	1347.9	1393.7	1440.6	1486.4	1532.2	1601.0
17.5°	784.0	812.9	850.8	888.6	925.5	963.4	1034.1	1104.8	1175.6	1246.3	1319.0
20°	538.0	543.9	561.9	580.8	598.7	616.7	680.4	745.2	809.0	872.7	968.3
22.5°	438.3	441.3	450.3	459.3	467.2	476.2	509.1	543.0	575.8	608.7	686.4
25°	388.5	388.5	394.5	400.5	406.5	412.4	430.4	448.3	465.2	483.2	533.0
27.5°	344.7	339.7	348.7	357.7	366.6	375.6	388.5	402.5	415.4	428.4	462.3
30°	329.8	324.8	335.7	346.7	357.7	368.6	381.6	394.5	406.5	419.4	442.3
32.5°	349.7	350.7	354.7	358.6	361.6	365.6	371.6	378.6	384.6	390.5	410.5
35°	278.0	278.0	284.9	291.9	297.9	304.9	315.8	326.8	337.7	348.7	369.6
37.5°	270.0	272.0	278.0	284.9	290.9	296.9	310.8	325.8	339.7	353.7	370.6
40°	262.0	264.0	272.0	279.9	287.9	295.9	309.8	322.8	336.7	349.7	365.6
42.5°	259.0	261.0	271.0	281.9	291.9	301.9	313.8	325.8	336.7	348.7	370.6
45°	255.0	259.0	271.0	283.9	295.9	307.8	318.8	329.8	340.7	351.7	378.6
47.5°	249.1	254.0	268.0	280.9	294.9	307.8	328.8	350.7	371.6	392.5	405.5
50°	245.1	250.1	265.0	279.9	294.9	309.8	343.7	377.6	410.5	444.3	437.4
52.5°	235.1	241.1	260.0	278.9	297.9	316.8	346.7	376.6	406.5	436.4	422.4
55°	216.2	221.2	243.1	265.0	285.9	307.8	329.8	351.7	372.6	394.5	378.6
57.5°	197.3	203.2	224.2	245.1	265.0	285.9	296.9	307.8	318.8	329.8	323.8
60°	179.3	185.3	213.2	241.1	269.0	296.9	286.9	277.0	266.0	256.0	263.0
62.5°	162.4	168.4	195.3	221.2	248.1	274.0	260.0	246.1	232.1	218.2	229.1
65°	143.5	149.4	159.4	170.4	180.3	190.3	189.3	187.3	186.3	184.3	196.3
67.5°	123.5	128.5	133.5	139.5	144.5	149.4	152.4	156.4	159.4	162.4	172.4
70°	107.6	112.6	118.6	123.5	129.5	134.5	136.5	138.5	139.5	141.5	150.4
72.5°	89.7	93.6	101.6	109.6	116.6	124.5	125.5	125.5	126.5	126.5	133.5
75°	77.7	80.7	86.7	92.7	97.6	103.6	106.6	109.6	111.6	114.6	118.6
77.5°	68.7	72.7	74.7	75.7	77.7	78.7	80.7	82.7	84.7	86.7	87.7
80°	50.8	55.8	57.8	58.8	60.8	61.8	61.8	60.8	60.8	59.8	60.8
82.5°	15.9	17.9	20.9	23.9	26.9	29.9	30.9	31.9	31.9	32.9	31.9
85°	3.0	4.0	6.0	8.0	9.0	11.0	10.0	8.0	7.0	5.0	4.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368613
 CATALOG NUMBER: MSA-SA4D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P368613

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

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1
2.5°	2302.3	2331.2	2361.1	2349.1	2337.2	2325.2	2313.3	2315.3	2318.3	2320.3	2322.2
5°	2261.5	2259.5	2258.5	2292.4	2327.2	2361.1	2395.0	2431.8	2469.7	2506.6	2543.4
7.5°	1976.5	1972.6	1969.6	2013.4	2057.2	2101.1	2144.9	2195.7	2247.5	2298.3	2349.1
10°	1775.3	1783.3	1791.2	1809.2	1828.1	1846.0	1864.0	1912.8	1961.6	2009.4	2058.2
12.5°	1846.0	1901.8	1958.6	1969.6	1979.5	1990.5	2000.5	2007.4	2014.4	2021.4	2028.4
15°	1670.7	1739.4	1808.2	1837.1	1865.0	1893.9	1921.8	1995.5	2068.2	2141.9	2214.7
17.5°	1391.8	1463.5	1536.2	1622.9	1709.6	1796.2	1882.9	1962.6	2042.3	2122.0	2201.7
20°	1065.0	1160.6	1256.3	1365.9	1476.4	1586.0	1695.6	1775.3	1854.0	1933.7	2012.4
22.5°	765.1	842.8	920.5	1053.0	1184.5	1317.0	1448.5	1587.0	1726.5	1865.0	2003.4
25°	582.8	631.6	681.4	811.9	942.4	1072.0	1202.5	1392.7	1583.0	1773.3	1963.6
27.5°	495.1	529.0	561.9	679.4	797.0	913.6	1031.1	1257.3	1483.4	1709.6	1935.7
30°	466.2	489.2	512.1	611.7	712.3	811.9	911.6	1140.7	1369.8	1599.0	1828.1
32.5°	430.4	449.3	469.2	556.9	644.6	731.2	818.9	1043.1	1267.2	1490.4	1714.5
35°	389.5	410.5	430.4	518.0	605.7	692.4	780.1	1012.2	1244.3	1476.4	1708.6
37.5°	386.5	403.5	419.4	521.0	623.6	725.3	826.9	1059.0	1291.1	1522.3	1754.4
40°	382.6	398.5	414.4	518.0	620.7	724.3	826.9	1070.0	1313.0	1556.1	1799.2
42.5°	392.5	413.4	435.4	527.0	618.7	709.3	801.0	1057.0	1313.0	1568.1	1824.1
45°	406.5	433.4	460.3	543.9	627.6	711.3	795.0	1073.0	1350.9	1627.9	1905.8
47.5°	419.4	432.4	445.3	525.0	603.7	683.4	762.1	1046.1	1330.0	1613.9	1897.8
50°	431.4	424.4	417.4	505.1	592.8	679.4	767.1	1038.1	1308.1	1579.0	1849.0
52.5°	407.5	393.5	378.6	472.2	565.9	658.5	752.2	1025.1	1298.1	1571.1	1844.0
55°	362.6	346.7	330.8	423.4	515.1	607.7	699.4	971.3	1243.3	1515.3	1787.3
57.5°	316.8	310.8	303.9	374.6	445.3	515.1	585.8	887.7	1190.5	1492.4	1794.2
60°	270.0	276.0	282.9	333.7	384.6	434.4	485.2	781.1	1075.9	1371.8	1666.7
62.5°	239.1	250.1	260.0	302.9	346.7	389.5	432.4	711.3	990.3	1269.2	1548.2
65°	209.2	221.2	233.1	283.9	335.7	386.5	437.4	673.5	909.6	1145.7	1381.8
67.5°	182.3	191.3	201.2	268.0	334.7	401.5	468.2	661.5	853.8	1047.1	1239.3
70°	159.4	167.4	176.3	254.0	331.7	409.5	487.2	651.5	816.9	981.3	1145.7
72.5°	140.5	147.4	154.4	233.1	311.8	390.5	469.2	615.7	761.1	907.6	1053.0
75°	122.5	125.5	129.5	196.3	262.0	328.8	394.5	492.1	590.8	688.4	786.0
77.5°	88.7	88.7	89.7	109.6	128.5	148.4	167.4	228.1	288.9	348.7	409.5
80°	60.8	61.8	61.8	69.7	76.7	84.7	91.7	104.6	116.6	129.5	141.5
82.5°	30.9	28.9	27.9	35.9	43.8	51.8	59.8	62.8	64.8	67.7	69.7
85°	3.0	1.0	0.0	5.0	10.0	14.9	19.9	23.9	27.9	31.9	35.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368613
 CATALOG NUMBER: MSA-SA4D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P368613

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1
2.5°	2314.3	2306.3	2298.3	2290.4	2339.2	2389.0	2437.8	2486.6	2625.1	2715.8	2705.8
5°	2579.3	2615.1	2651.0	2686.9	2744.7	2803.4	2861.2	2919.0	3124.2	3249.7	3267.7
7.5°	2404.9	2459.7	2515.5	2570.3	2681.9	2792.5	2904.1	3014.6	3183.0	3313.5	3387.2
10°	2121.0	2183.8	2245.5	2308.3	2433.8	2560.3	2685.9	2811.4	3000.7	3181.0	3273.7
12.5°	2127.0	2225.6	2324.2	2422.9	2532.5	2642.0	2750.6	2860.2	2975.8	3036.6	3167.1
15°	2292.4	2370.1	2447.8	2525.5	2668.9	2812.4	2954.9	3098.3	3167.1	3313.5	3465.9
17.5°	2353.1	2505.6	2657.0	2808.4	2987.7	3166.1	3345.4	3523.7	3653.2	3856.5	4013.9
20°	2240.6	2468.7	2695.8	2924.0	3170.0	3416.1	3662.2	3908.3	4049.7	4243.0	4486.1
22.5°	2245.5	2487.6	2728.7	2970.8	3310.5	3649.2	3989.0	4327.7	4707.3	5079.8	5198.4
25°	2280.4	2597.2	2913.0	3229.8	3622.3	4014.9	4407.4	4799.9	5258.2	5649.7	5807.1
27.5°	2292.4	2649.0	3004.7	3361.3	3919.2	4477.1	5035.0	5592.9	6139.9	6582.2	6750.6
30°	2263.5	2699.8	3135.2	3570.5	4255.0	4939.4	5623.8	6308.2	6827.3	7342.3	7551.5
32.5°	2270.4	2826.3	3382.2	3938.2	4744.1	5551.1	6357.0	7163.0	7494.7	7959.0	8327.6
35°	2318.3	2928.0	3536.7	4146.4	5038.0	5929.6	6821.3	7712.9	8256.9	8747.0	9059.8
37.5°	2429.8	3105.3	3779.8	4455.2	5551.1	6647.9	7743.8	8839.7	9681.5	10523.3	10666.8
40°	2512.5	3225.8	3939.1	4652.5	5924.7	7196.9	8469.1	9741.3	10693.7	11607.2	11704.9
42.5°	2606.2	3387.2	4169.3	4950.3	6373.0	7795.6	9218.2	10640.9	11743.7	12675.2	12740.0
45°	2708.8	3512.8	4315.7	5118.7	6609.1	8098.5	9588.9	11078.2	12366.4	13448.3	13204.2
47.5°	2757.6	3617.4	4477.1	5336.9	6934.9	8531.8	10129.8	11726.8	12882.4	13836.8	13551.9
50°	2795.5	3740.9	4687.3	5632.8	7308.4	8984.1	10659.8	12335.5	13494.1	14374.8	13928.5
52.5°	2902.1	3959.1	5017.1	6074.1	7856.4	9637.7	11419.9	13201.2	14322.0	15131.0	14505.3
55°	3005.7	4223.1	5441.5	6658.9	8575.7	10493.4	12410.2	14327.0	15442.8	16136.2	15286.4
57.5°	3136.2	4479.1	5821.1	7163.0	9213.3	11263.5	13312.8	15363.1	16454.0	17220.1	16337.4
60°	3102.3	4536.9	5972.5	7407.1	9495.2	11583.3	13671.5	15759.6	17055.7	17997.2	17398.4
62.5°	2970.8	4393.4	5815.1	7237.7	9289.0	11339.3	13390.5	15440.8	16993.9	18269.1	18067.9
65°	2704.8	4026.8	5349.8	6671.8	8630.5	10590.1	12548.7	14507.3	16424.1	18047.0	18118.7
67.5°	2355.1	3470.9	4585.7	5701.5	7528.6	9355.7	11181.8	13009.0	15271.4	17164.3	17377.5
70°	1984.5	2822.4	3661.2	4499.0	6107.0	7714.9	9321.9	10929.8	13281.9	15186.7	15589.2
72.5°	1591.0	2130.0	2667.9	3205.9	4366.5	5526.2	6686.8	7846.4	9915.6	11394.0	12096.4
75°	1031.1	1276.2	1521.3	1766.3	2539.4	3311.5	4084.6	4856.7	6230.5	7319.4	8113.4
77.5°	459.3	509.1	557.9	607.7	1204.5	1801.2	2398.0	2994.7	3591.5	4249.0	4435.3
80°	164.4	186.3	209.2	231.1	524.0	817.9	1110.8	1403.7	1692.6	2032.3	2115.0
82.5°	68.7	68.7	67.7	66.7	171.4	276.0	380.6	485.2	560.9	644.6	660.5
85°	27.9	20.9	13.0	5.0	21.9	39.8	56.8	73.7	118.6	107.6	199.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368613
 CATALOG NUMBER: MSA-SA4D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P368613

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

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1
2.5°	2667.9	2665.9	2664.0	2662.0	2660.0	2624.1	2589.2	2553.4	2518.5	2562.3	2606.2
5°	3238.8	3290.6	3342.4	3395.2	3447.0	3461.9	3476.9	3491.8	3506.8	3538.7	3570.5
7.5°	3449.0	3536.7	3623.3	3711.0	3797.7	3878.4	3958.1	4038.8	4119.5	4099.5	4079.6
10°	3376.3	3534.7	3693.1	3852.5	4010.9	4045.7	4080.6	4116.5	4151.3	4242.0	4332.7
12.5°	3297.6	3487.9	3678.1	3868.4	4058.7	4164.3	4268.9	4374.5	4480.1	4571.8	4663.4
15°	3671.2	3792.7	3914.2	4036.8	4158.3	4251.0	4342.6	4435.3	4526.9	4590.7	4653.5
17.5°	4162.3	4222.1	4281.9	4342.6	4402.4	4475.1	4547.9	4620.6	4693.3	4731.2	4769.0
20°	4681.4	4707.3	4733.2	4759.1	4785.0	4727.2	4669.4	4611.6	4553.8	4589.7	4624.6
22.5°	5202.4	5211.4	5221.3	5230.3	5239.2	5104.8	4970.3	4835.8	4701.3	4644.5	4587.7
25°	6004.4	5938.6	5872.9	5807.1	5741.4	5582.0	5422.6	5263.2	5103.8	4963.3	4822.8
27.5°	6873.1	6649.9	6427.8	6204.6	5982.4	5823.0	5663.6	5504.2	5344.9	5133.6	4922.4
30°	7748.8	7389.1	7030.5	6670.9	6312.2	6122.9	5933.6	5743.3	5554.1	5342.9	5132.7
32.5°	8551.8	8119.4	7687.0	7253.7	6821.3	6502.5	6183.7	5864.9	5546.1	5398.6	5251.2
35°	9217.3	8706.2	8195.1	7683.0	7172.0	6856.2	6540.3	6224.5	5908.7	5689.6	5471.4
37.5°	10355.0	9780.1	9205.3	8630.5	8055.6	7624.3	7193.9	6762.5	6331.1	6184.7	6038.2
40°	11404.0	10679.7	9955.5	9231.2	8506.9	8145.3	7784.7	7423.0	7062.4	6822.3	6583.2
42.5°	12237.9	11474.7	10712.6	9949.5	9186.4	8828.7	8472.1	8114.4	7756.8	7596.4	7437.0
45°	12418.2	11698.9	10980.6	10261.3	9542.0	9333.8	9126.6	8918.4	8711.2	8600.6	8491.0
47.5°	12773.8	11993.8	11214.7	10434.7	9654.6	9561.0	9467.3	9372.7	9279.0	9331.8	9384.6
50°	12973.1	12177.1	11381.1	10585.1	9789.1	9816.0	9841.9	9868.8	9895.7	10270.3	10643.9
52.5°	13359.6	12555.7	11751.7	10947.7	10143.8	10313.1	10481.5	10650.8	10819.2	11335.3	11850.3
55°	14050.0	13260.0	12470.0	11679.0	10888.9	11112.1	11335.3	11559.4	11782.6	12330.5	12877.5
57.5°	15073.2	14289.1	13506.1	12722.0	11939.0	12161.2	12383.3	12605.5	12827.6	13322.8	13816.9
60°	16361.3	15556.4	14752.4	13947.4	13143.5	13227.1	13309.8	13393.5	13477.2	14009.2	14540.2
62.5°	17364.5	16624.3	15885.1	15144.9	14405.7	14313.0	14221.4	14128.7	14037.1	14441.6	14845.0
65°	17597.7	17076.6	16556.6	16035.5	15514.5	15229.6	14945.7	14660.7	14375.8	14539.2	14702.6
67.5°	16930.2	16578.5	16227.8	15876.1	15524.5	14929.7	14335.0	13739.2	13144.4	13057.8	12971.1
70°	15381.0	15188.7	14997.5	14805.2	14613.9	13697.4	12781.8	11865.3	10949.7	10729.6	10509.4
72.5°	12137.2	12256.8	12376.3	12496.9	12616.4	11635.1	10654.8	9673.5	8692.2	8413.3	8135.3
75°	8558.7	8964.2	9369.7	9775.1	10180.6	9286.0	8392.4	7497.7	6603.1	6335.1	6068.1
77.5°	4640.5	5400.6	6160.8	6920.9	7681.0	6942.8	6205.6	5467.4	4729.2	4542.9	4357.6
80°	2199.7	2638.1	3075.4	3513.8	3952.1	3785.7	3619.4	3452.0	3285.6	3326.5	3367.3
82.5°	674.5	991.3	1308.1	1624.9	1941.7	1966.6	1990.5	2015.4	2040.3	2102.1	2162.8
85°	226.1	309.8	393.5	477.2	560.9	708.3	855.8	1004.2	1151.7	1056.0	961.4
87.5°	0.0	3.0	5.0	8.0	10.0	30.9	51.8	72.7	93.6	80.7	68.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368613
 CATALOG NUMBER: MSA-SA4D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P368613

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

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1
2.5°	2651.0	2694.8	2695.8	2697.8	2698.8	2699.8	2704.8	2709.8	2715.8	2720.7	2687.9
5°	3603.4	3635.3	3576.5	3517.7	3458.0	3399.2	3452.0	3504.8	3557.6	3610.4	3587.5
7.5°	4058.7	4038.8	4031.8	4025.8	4018.8	4012.9	4032.8	4052.7	4072.6	4092.6	4090.6
10°	4423.3	4514.0	4535.9	4557.8	4580.7	4602.6	4556.8	4511.0	4465.2	4419.3	4400.4
12.5°	4755.1	4846.7	4919.5	4992.2	5065.9	5138.6	5072.9	5008.1	4942.4	4877.6	4815.8
15°	4717.2	4780.0	4839.8	4899.5	4959.3	5019.1	4997.2	4976.2	4954.3	4932.4	4922.4
17.5°	4807.9	4845.7	4831.8	4817.8	4802.9	4788.9	4782.0	4776.0	4769.0	4762.0	4738.1
20°	4660.4	4696.3	4687.3	4679.4	4670.4	4661.4	4655.4	4649.5	4643.5	4637.5	4618.6
22.5°	4530.9	4474.1	4459.2	4445.2	4430.3	4416.4	4418.3	4420.3	4421.3	4423.3	4509.0
25°	4682.3	4541.9	4487.1	4432.3	4376.5	4321.7	4346.6	4370.5	4395.4	4420.3	4543.9
27.5°	4710.2	4499.0	4411.4	4323.7	4236.0	4148.4	4238.0	4327.7	4417.3	4507.0	4707.3
30°	4921.4	4711.2	4588.7	4467.2	4344.6	4223.1	4337.6	4452.2	4566.8	4681.4	4898.5
32.5°	5102.8	4955.3	4867.6	4780.0	4692.3	4604.6	4609.6	4613.6	4618.6	4623.6	4929.4
35°	5252.2	5034.0	4954.3	4875.6	4795.9	4717.2	4835.8	4954.3	5072.9	5191.4	5466.4
37.5°	5891.8	5745.3	5598.9	5453.4	5307.0	5161.5	5256.2	5350.8	5446.5	5541.1	5845.0
40°	6343.1	6104.0	6066.1	6029.3	5991.4	5954.6	6003.4	6051.2	6100.0	6148.8	6414.8
42.5°	7276.6	7116.2	7013.6	6911.9	6809.3	6707.7	6746.6	6785.4	6825.3	6864.1	7116.2
45°	8380.4	8269.8	8202.1	8134.3	8065.6	7997.8	7939.1	7881.3	7822.5	7764.7	8020.8
47.5°	9437.4	9490.2	9639.7	9788.1	9937.5	10086.0	9964.4	9842.9	9720.4	9598.8	9599.8
50°	11018.5	11392.1	11467.8	11542.5	11618.2	11692.9	11433.9	11174.9	10914.9	10655.8	10624.9
52.5°	12366.4	12881.4	12908.3	12935.2	12963.1	12990.0	12885.4	12780.8	12675.2	12570.6	12292.7
55°	13425.4	13972.3	14009.2	14045.1	14081.9	14117.8	14026.1	13935.5	13843.8	13752.2	13471.2
57.5°	14312.0	14806.2	14828.1	14849.0	14870.9	14892.9	14899.8	14906.8	14914.8	14921.7	14542.2
60°	15072.2	15604.2	15560.3	15517.5	15473.7	15430.8	15365.1	15299.3	15233.6	15167.8	14922.7
62.5°	15249.5	15654.0	15586.2	15519.5	15451.7	15385.0	15329.2	15274.4	15218.6	15162.8	15006.4
65°	14866.0	15029.3	14959.6	14889.9	14819.1	14749.4	14713.5	14678.7	14642.8	14606.9	14587.0
67.5°	12883.4	12796.8	12879.4	12962.1	13044.8	13127.5	13240.1	13352.7	13466.2	13578.8	13513.1
70°	10288.2	10068.0	10159.7	10250.4	10342.0	10432.7	10603.0	10773.4	10944.7	11115.1	11069.3
72.5°	7856.4	7577.4	7590.4	7603.3	7617.3	7630.2	7625.3	7621.3	7616.3	7611.3	7691.0
75°	5800.1	5532.1	5405.6	5279.1	5152.6	5026.1	4995.2	4964.3	4933.4	4902.5	5051.0
77.5°	4171.3	3986.0	3899.3	3813.6	3726.9	3641.3	3685.1	3728.9	3773.8	3817.6	3869.4
80°	3409.1	3450.0	3383.2	3317.5	3250.7	3184.0	3233.8	3282.6	3332.4	3382.2	3227.8
82.5°	2224.6	2285.4	2080.2	1874.9	1669.7	1464.5	1589.0	1713.5	1839.1	1963.6	1899.8
85°	865.7	771.1	657.5	544.9	431.4	317.8	413.4	509.1	604.7	700.4	764.1
87.5°	55.8	43.8	34.9	25.9	15.9	7.0	14.9	22.9	31.9	39.8	66.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368613
 CATALOG NUMBER: MSA-SA4D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P368613

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

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1	2106.1
2.5°	2656.0	2623.1	2591.2	2528.5	2465.7	2402.9	2340.2	2427.8	2515.5	2603.2	2690.9
5°	3565.6	3542.6	3520.7	3526.7	3532.7	3539.7	3545.6	3558.6	3571.5	3583.5	3596.4
7.5°	4089.6	4087.6	4085.6	4039.8	3993.9	3947.1	3901.3	3924.2	3947.1	3970.0	3992.9
10°	4382.5	4363.5	4344.6	4244.0	4143.4	4041.8	3941.1	3897.3	3852.5	3808.6	3764.8
12.5°	4754.1	4691.3	4629.5	4522.0	4415.4	4307.8	4200.2	4160.3	4119.5	4079.6	4038.8
15°	4913.5	4903.5	4894.5	4817.8	4740.1	4663.4	4585.7	4449.2	4311.7	4175.3	4038.8
17.5°	4714.2	4689.3	4665.4	4787.0	4907.5	5029.0	5150.6	5009.1	4867.6	4726.2	4584.7
20°	4599.7	4580.7	4561.8	4787.9	5013.1	5239.2	5464.4	5401.6	5337.9	5275.1	5212.4
22.5°	4594.7	4681.4	4767.0	4965.3	5162.5	5360.8	5558.0	5666.6	5776.2	5884.8	5993.4
25°	4667.4	4791.9	4915.5	5244.2	5573.0	5902.7	6231.5	6356.0	6479.6	6604.1	6727.6
27.5°	4906.5	5106.7	5306.0	5592.9	5879.8	6167.7	6454.7	6726.6	6999.6	7271.6	7543.6
30°	5114.7	5331.9	5549.1	5890.8	6231.5	6573.2	6913.9	7254.7	7595.4	7936.1	8276.8
32.5°	5235.3	5542.1	5848.0	6263.4	6677.8	7093.3	7508.7	7882.3	8255.9	8628.5	9002.1
35°	5741.4	6017.3	6292.3	6751.5	7210.8	7671.1	8130.3	8592.6	9054.9	9516.1	9978.4
37.5°	6148.8	6453.7	6757.5	7259.6	7760.7	8262.8	8765.0	9403.5	10043.1	10681.7	11320.3
40°	6680.8	6946.8	7212.8	7683.0	8152.3	8622.5	9092.7	9902.7	10712.6	11521.6	12331.5
42.5°	7367.2	7619.3	7871.3	8374.4	8877.5	9380.6	9883.7	10780.4	11677.0	12572.6	13469.2
45°	8276.8	8533.8	8789.9	9190.4	9590.8	9991.3	10391.8	11345.2	12297.6	13251.0	14203.5
47.5°	9600.8	9601.8	9602.8	9891.7	10180.6	10470.5	10759.4	11719.8	12679.2	13639.6	14599.0
50°	10594.1	10562.2	10531.3	10680.7	10829.2	10978.6	11128.0	12011.7	12896.4	13780.1	14663.7
52.5°	12015.7	11737.8	11460.8	11549.5	11637.1	11725.8	11813.5	12561.6	13310.8	14059.0	14807.2
55°	13191.3	12910.3	12629.4	12596.5	12563.6	12530.8	12497.9	13186.3	13874.7	14563.1	15251.5
57.5°	14163.6	13784.0	13405.5	13329.7	13255.0	13179.3	13103.6	13829.9	14555.1	15281.4	16006.7
60°	14678.7	14433.6	14188.5	14139.7	14089.9	14041.1	13991.3	14587.0	15182.8	15778.5	16374.3
62.5°	14851.0	14694.6	14539.2	14630.8	14722.5	14815.1	14906.8	15168.8	15429.8	15691.8	15952.9
65°	14568.1	14548.2	14528.2	14716.5	14903.8	15092.1	15280.4	15215.6	15149.9	15085.1	15020.4
67.5°	13448.3	13382.5	13317.8	13731.2	14143.7	14557.1	14970.6	14656.7	14341.9	14028.1	13714.3
70°	11023.4	10976.6	10930.8	11526.5	12122.3	12719.1	13314.8	12934.2	12553.7	12173.1	11792.5
72.5°	7769.7	7849.4	7929.1	8631.5	9332.8	10035.2	10736.5	10353.0	9969.4	9585.9	9202.3
75°	5198.4	5346.8	5495.3	6218.6	6941.8	7666.1	8389.4	7939.1	7488.8	7038.5	6588.2
77.5°	3921.2	3973.0	4024.8	4482.1	4939.4	5397.7	5854.9	5483.3	5110.7	4739.1	4366.5
80°	3073.4	2918.0	2763.6	2914.0	3064.4	3214.9	3365.3	3143.2	2921.0	2699.8	2477.7
82.5°	1836.1	1772.3	1708.6	1790.3	1870.9	1952.6	2034.3	1938.7	1842.1	1746.4	1649.8
85°	826.9	890.6	953.4	1036.1	1117.8	1200.5	1283.2	1149.7	1016.2	882.7	749.2
87.5°	92.7	119.5	146.4	181.3	216.2	251.1	285.9	223.2	159.4	96.6	33.9
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: P368613
 CATALOG NUMBER: MSA-SA4D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368613
 CATALOG NUMBER: MSA-SA4D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	2106.1	2106.1
2.5°	2741.7	2792.5
5°	3595.4	3593.5
7.5°	3933.2	3872.4
10°	3709.0	3653.2
12.5°	3896.3	3753.8
15°	3931.2	3823.6
17.5°	4409.4	4233.0
20°	4986.2	4759.1
22.5°	5682.6	5370.8
25°	6357.0	5986.4
27.5°	7321.4	7098.2
30°	8051.6	7825.5
32.5°	8848.6	8695.2
35°	9826.0	9672.5
37.5°	11360.2	11399.0
40°	12355.4	12379.3
42.5°	13561.9	13654.5
45°	14307.1	14410.7
47.5°	14743.4	14887.9
50°	14896.8	15130.0
52.5°	15095.1	15382.0
55°	15571.3	15891.1
57.5°	16261.7	16516.7
60°	16386.2	16398.2
62.5°	15768.6	15584.2
65°	14824.1	14627.9
67.5°	13595.7	13476.2
70°	11635.1	11477.7
72.5°	8909.4	8616.5
75°	6225.5	5862.9
77.5°	4176.3	3986.0
80°	2483.6	2488.6
82.5°	1695.6	1740.4
85°	740.2	730.2
87.5°	23.9	13.0
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: P368613
CATALOG NUMBER: MSA-SA4D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)