

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: P368635

Luminaire Tested: **MSA-SA4D-740-U-SLR-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P368635
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-740-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: 19191 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

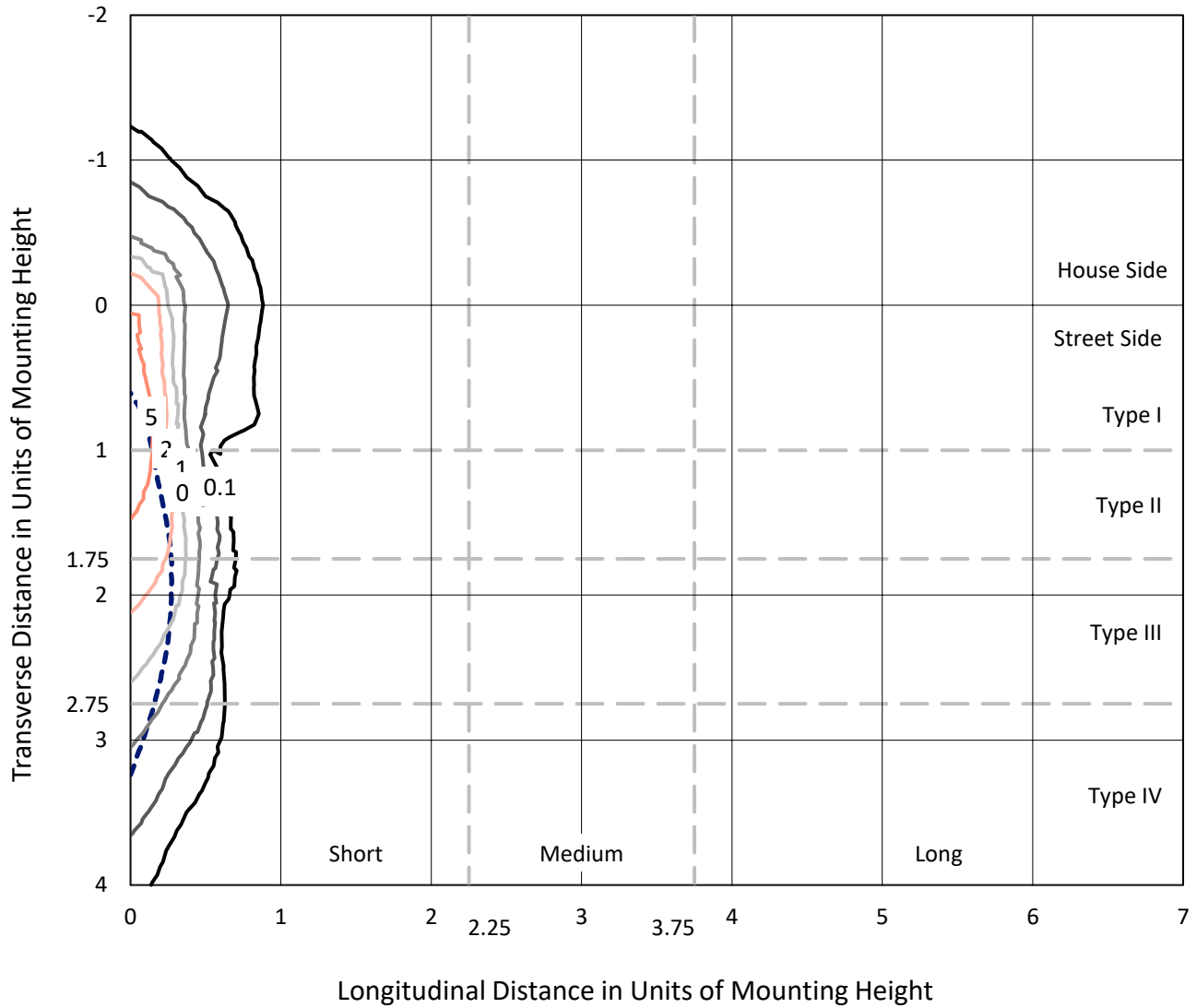
Input Watts (W): 259
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

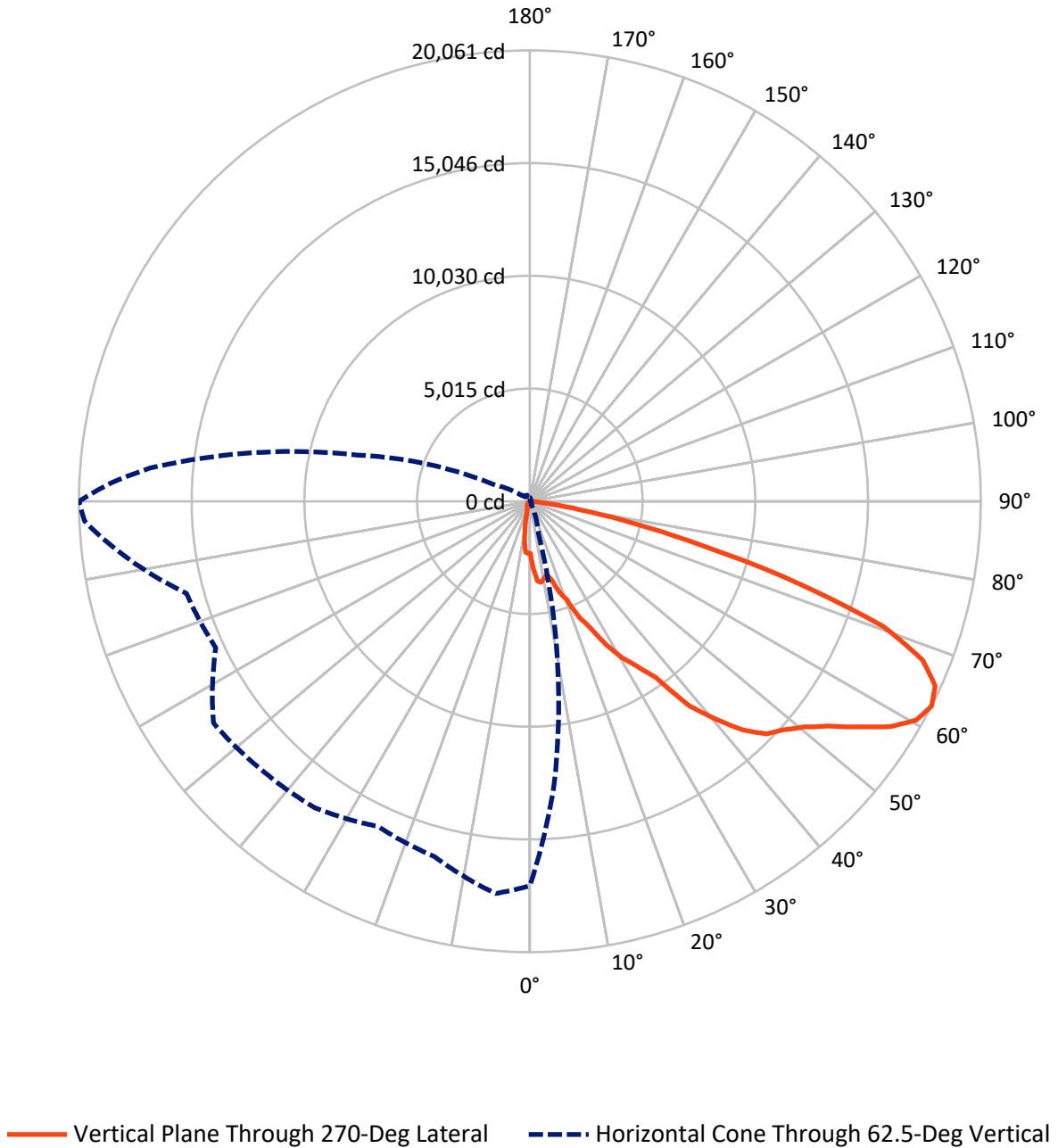
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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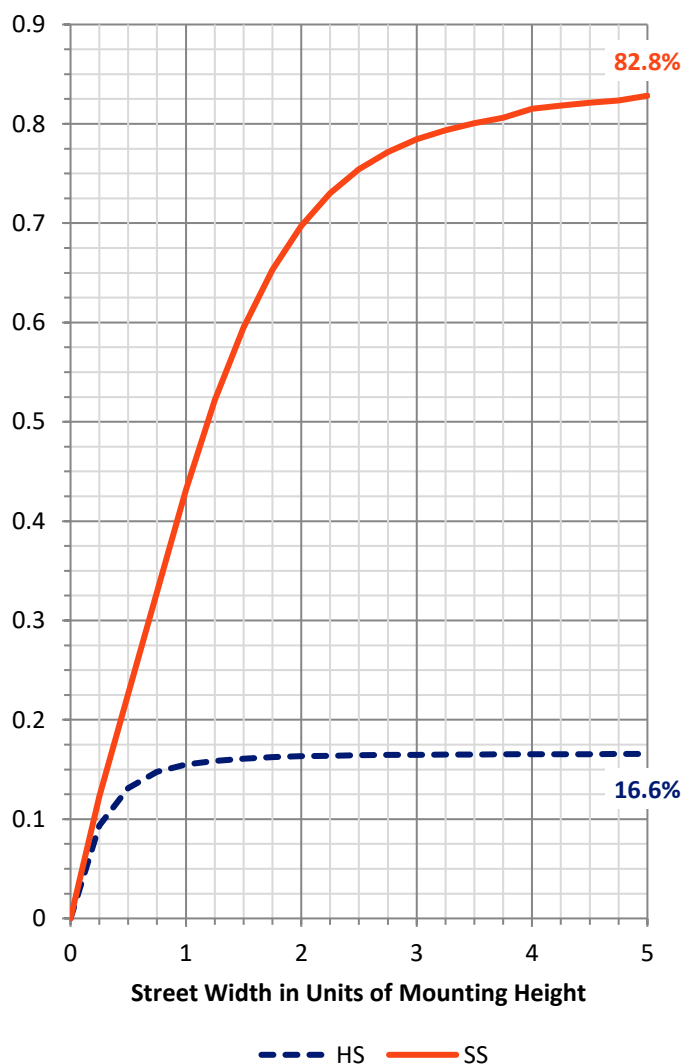
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3204.6	0.0	3204.6
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	15986.4	0.0	15986.4
	% Fixture	83.3	0.0	83.3
Total	Lumens	19191.0	0.0	19191.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.4	1.3
10°-20°	675.0	3.5
20°-30°	1090.9	5.7
30°-40°	1827.2	9.5
40°-50°	2987.0	15.6
50°-60°	4421.7	23.0
60°-70°	5076.2	26.5
70°-80°	2509.9	13.1
80°-90°	344.7	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°	19191.0	100.0
0°-180°	19191.0	100.0

Coefficient of Utilization

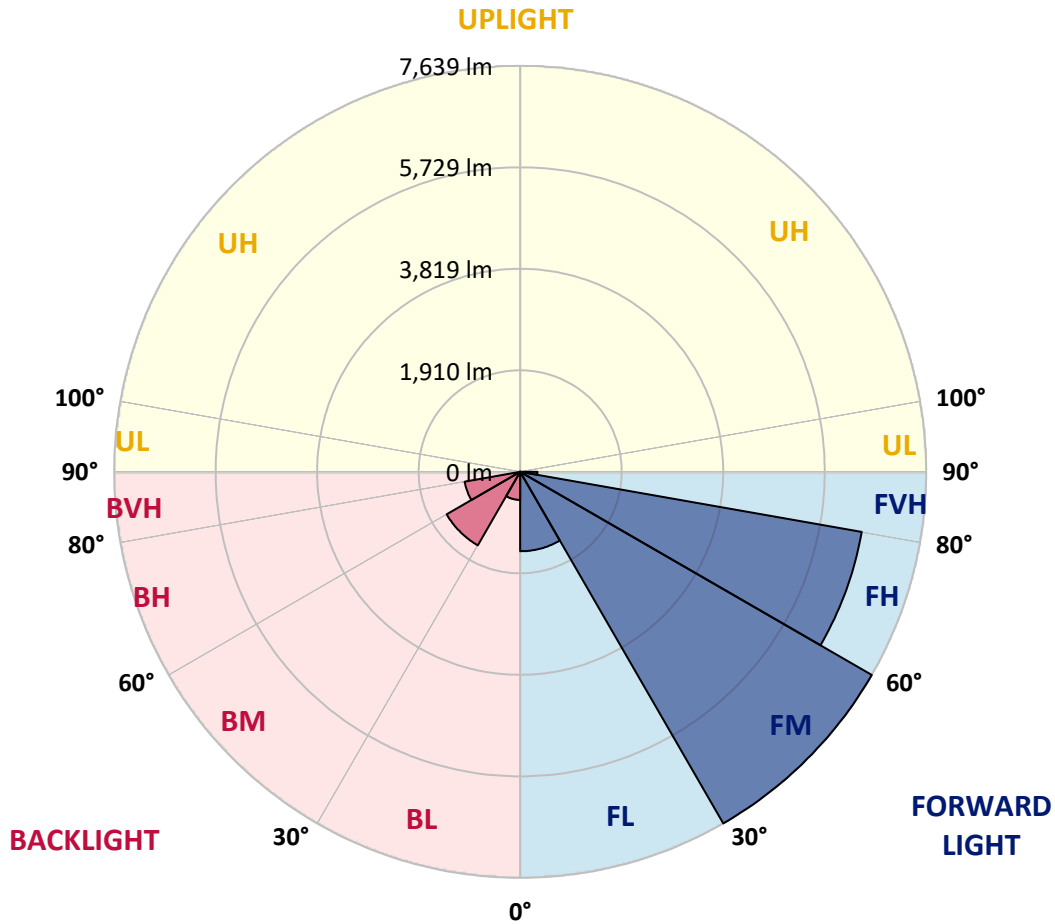


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1495.1	7.8			
FM (30°-60°)	7639.0	39.8			
FH (60°-80°)	6525.9	34.0			G3/7500
FVH (80°-90°)	326.4	1.7			G3/500
BL (0°-30°)	529.2	2.8	B2/1000		
BM (30°-60°)	1596.9	8.3	B2/2500		
BH (60°-80°)	1060.3	5.5	B3/2500		G3/2500
BVH (80°-90°)	18.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-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°	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6
2.5°	3066.3	3104.6	3141.8	3070.7	2999.6	2928.5	2857.4	2793.9	2730.5	2666.0	2602.5
5°	3945.9	3875.9	3805.8	3709.6	3613.3	3517.0	3420.8	3375.9	3331.1	3286.2	3241.4
7.5°	4252.2	4127.5	4001.7	3916.3	3832.1	3746.8	3661.4	3526.9	3391.2	3256.7	3121.0
10°	4011.5	3879.1	3745.7	3671.3	3596.9	3522.5	3448.1	3280.7	3112.3	2944.9	2776.4
12.5°	4122.0	3978.7	3835.4	3682.2	3529.1	3375.9	3222.8	3094.8	2965.7	2837.7	2708.6
15°	4198.6	4034.5	3869.3	3694.3	3519.2	3344.2	3169.2	3018.2	2868.3	2717.4	2566.4
17.5°	4648.2	4413.0	4177.8	3908.7	3639.6	3370.5	3101.3	2926.3	2752.4	2577.3	2402.3
20°	5225.8	4892.1	4557.4	4193.1	3828.8	3464.5	3100.2	2882.6	2664.9	2447.2	2229.5
22.5°	5897.5	5480.7	5062.8	4613.2	4164.7	3715.0	3265.4	2952.6	2639.7	2326.8	2014.0
25°	6573.5	6197.2	5820.9	5215.9	4611.0	4004.9	3400.0	3002.9	2604.7	2207.6	1809.4
27.5°	7794.4	7121.6	6448.8	5678.7	4909.6	4139.5	3369.4	2914.3	2459.2	2003.0	1547.9
30°	8593.0	8075.5	7557.0	6539.6	5523.3	4506.0	3488.6	2912.1	2335.6	1758.0	1181.5
32.5°	9548.0	8791.0	8032.9	6929.1	5825.3	4721.5	3617.7	2940.5	2262.3	1585.1	906.9
35°	10621.1	9797.4	8973.7	7575.6	6177.5	4778.4	3380.3	2723.9	2067.6	1411.2	754.8
37.5°	12516.9	11138.6	9760.2	8130.2	6499.1	4869.2	3238.1	2582.8	1926.4	1271.2	614.8
40°	13593.4	12277.4	10961.4	8924.4	6887.5	4850.6	2813.6	2231.7	1650.8	1068.8	486.8
42.5°	14993.6	13324.3	11653.8	9377.3	7100.8	4824.3	2547.8	2009.6	1471.4	932.0	393.8
45°	15824.0	13932.5	12041.1	9574.2	7107.4	4640.5	2173.7	1707.7	1241.6	775.6	309.6
47.5°	16348.0	14451.0	12554.1	9905.7	7258.3	4609.9	1961.4	1532.6	1103.8	675.0	246.1
50°	16613.8	14711.4	12807.9	10086.2	7364.5	4641.6	1919.9	1493.2	1065.5	638.9	211.1
52.5°	16890.6	15056.0	13220.4	10399.1	7577.8	4756.5	1935.2	1499.8	1065.5	630.1	194.7
55°	17449.6	15640.2	13829.7	10847.6	7865.5	4883.4	1901.3	1472.5	1043.6	613.7	184.9
57.5°	18136.6	16202.5	14267.3	11175.8	8084.3	4992.8	1901.3	1470.3	1039.3	607.1	176.1
60°	18006.4	15907.1	13806.7	10807.1	7807.5	4806.8	1807.2	1397.0	987.8	577.6	167.4
62.5°	17112.6	14833.9	12554.1	9782.1	7008.9	4236.9	1463.7	1136.6	809.5	481.3	154.2
65°	16062.4	13643.7	11223.9	8672.8	6120.6	3569.6	1017.4	798.6	578.7	359.9	140.0
67.5°	14797.8	12218.3	9638.8	7369.9	5102.2	2833.3	564.5	455.1	345.7	235.2	125.8
70°	12603.4	9940.7	7276.9	5533.2	3790.5	2046.8	303.0	256.0	208.9	161.9	114.9
72.5°	9461.6	7022.1	4582.5	3480.9	2380.4	1278.8	177.2	159.7	141.1	123.6	105.0
75°	6437.9	4609.9	2781.9	2117.9	1455.0	790.9	126.9	118.1	108.3	99.5	89.7
77.5°	4376.9	3165.9	1954.9	1492.1	1029.4	566.7	103.9	98.5	93.0	86.4	81.0
80°	2732.7	1870.7	1008.6	776.7	543.7	311.8	78.8	75.5	72.2	67.8	64.5
82.5°	1911.1	1143.2	375.2	293.2	211.1	128.0	45.9	47.0	48.1	48.1	49.2
85°	801.9	433.2	64.5	54.7	44.9	35.0	25.2	27.3	30.6	32.8	35.0
87.5°	14.2	7.7	0.0	2.2	5.5	7.7	9.8	13.1	15.3	18.6	20.8
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



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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°	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6
2.5°	2618.9	2635.3	2650.6	2667.0	2653.9	2641.9	2628.8	2615.6	2595.9	2577.3	2557.6
5°	3186.7	3132.0	3077.3	3022.6	2939.4	2856.3	2772.1	2688.9	2679.1	2669.2	2658.3
7.5°	2993.0	2865.0	2736.0	2608.0	2487.6	2367.3	2247.0	2126.6	2089.4	2053.3	2016.1
10°	2678.0	2579.5	2480.0	2381.5	2295.1	2207.6	2121.2	2033.6	1942.9	1852.1	1760.2
12.5°	2605.8	2503.0	2399.0	2296.2	2217.4	2138.7	2059.9	1981.1	1879.4	1777.7	1675.9
15°	2454.8	2343.2	2231.7	2120.1	2015.1	1910.0	1803.9	1698.9	1576.4	1453.9	1331.3
17.5°	2269.9	2138.7	2006.3	1873.9	1736.1	1598.3	1460.4	1322.6	1181.5	1041.4	900.3
20°	2050.1	1870.7	1690.1	1510.7	1340.1	1169.4	997.7	827.0	738.4	650.9	562.3
22.5°	1782.0	1549.0	1317.1	1084.1	944.1	803.0	662.9	521.8	483.5	445.2	406.9
25°	1545.7	1282.1	1018.5	754.8	666.2	577.6	489.0	400.4	382.9	364.3	346.8
27.5°	1299.6	1052.4	804.1	555.7	505.4	454.0	403.7	352.3	340.2	329.3	317.2
30°	996.6	811.7	625.7	440.9	408.0	375.2	341.3	308.5	303.0	296.5	291.0
32.5°	772.3	636.7	502.1	366.5	347.9	329.3	310.7	292.1	283.3	274.6	264.7
35°	645.4	537.1	427.7	318.3	305.2	291.0	277.9	263.6	254.9	245.0	236.3
37.5°	534.9	456.2	376.3	296.5	282.2	268.0	252.7	238.5	231.9	225.4	218.8
40°	440.9	394.9	349.0	303.0	282.2	261.5	240.7	219.9	214.4	208.9	203.5
42.5°	364.3	334.7	304.1	274.6	259.3	245.0	229.7	214.4	206.8	198.0	190.3
45°	294.3	277.9	262.5	246.1	247.2	248.3	248.3	249.4	229.7	208.9	189.3
47.5°	238.5	230.8	222.1	214.4	223.2	231.9	239.6	248.3	227.5	206.8	184.9
50°	204.6	199.1	192.5	186.0	194.7	204.6	213.3	222.1	213.3	205.7	196.9
52.5°	187.1	179.4	171.7	164.1	167.4	171.7	175.0	178.3	178.3	178.3	178.3
55°	176.1	168.5	159.7	151.0	147.7	143.3	140.0	135.6	130.2	125.8	120.3
57.5°	167.4	158.6	148.8	140.0	134.6	128.0	122.5	116.0	110.5	103.9	98.5
60°	158.6	149.9	140.0	131.3	125.8	120.3	113.8	108.3	101.7	96.3	89.7
62.5°	146.6	138.9	131.3	123.6	118.1	113.8	108.3	102.8	96.3	89.7	82.0
65°	133.5	128.0	121.4	114.9	109.4	103.9	98.5	93.0	86.4	81.0	74.4
67.5°	121.4	116.0	111.6	106.1	99.5	94.1	87.5	81.0	76.6	72.2	66.7
70°	111.6	107.2	103.9	99.5	93.0	87.5	81.0	74.4	71.1	66.7	63.4
72.5°	101.7	98.5	94.1	90.8	85.3	79.9	74.4	68.9	65.6	62.4	59.1
75°	87.5	85.3	83.1	81.0	75.5	70.0	63.4	58.0	56.9	55.8	54.7
77.5°	78.8	77.7	75.5	73.3	67.8	62.4	56.9	51.4	52.5	53.6	53.6
80°	64.5	64.5	63.4	63.4	59.1	54.7	49.2	44.9	47.0	50.3	52.5
82.5°	49.2	49.2	49.2	49.2	44.9	40.5	36.1	31.7	35.0	37.2	40.5
85°	33.9	32.8	31.7	30.6	27.3	25.2	21.9	18.6	23.0	26.3	30.6
87.5°	20.8	21.9	21.9	21.9	19.7	16.4	14.2	10.9	13.1	14.2	16.4
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: P368635
 CATALOG NUMBER: MSA-SA4D-740-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: P368635
 CATALOG NUMBER: MSA-SA4D-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6
2.5°	2538.0	2505.1	2472.3	2438.4	2405.6	2329.0	2252.4	2175.9	2099.3	2156.2	2212.0
5°	2648.4	2585.0	2520.5	2457.0	2392.5	2364.0	2336.7	2308.2	2279.8	2284.2	2289.6
7.5°	1979.0	1937.4	1895.8	1853.1	1811.6	1802.8	1795.2	1786.4	1777.7	1796.3	1813.8
10°	1669.4	1611.4	1552.3	1494.3	1435.3	1403.5	1371.8	1340.1	1308.4	1305.1	1300.7
12.5°	1574.2	1485.6	1398.1	1309.5	1220.8	1151.9	1083.0	1014.1	945.2	950.6	956.1
15°	1208.8	1120.2	1032.7	944.1	855.5	799.7	742.8	687.0	630.1	613.7	597.3
17.5°	759.2	693.6	627.9	561.2	495.6	477.0	459.5	440.9	422.3	416.8	411.3
20°	473.7	445.2	416.8	387.3	358.8	354.4	350.1	345.7	341.3	344.6	347.9
22.5°	368.7	356.6	343.5	331.5	318.3	314.0	309.6	305.2	300.8	304.1	306.3
25°	328.2	319.4	310.7	301.9	293.2	288.8	283.3	279.0	273.5	275.7	279.0
27.5°	305.2	297.6	289.9	282.2	274.6	266.9	260.4	252.7	245.0	249.4	252.7
30°	284.4	275.7	268.0	259.3	250.5	242.9	235.2	226.4	218.8	223.2	227.5
32.5°	256.0	248.3	239.6	231.9	223.2	218.8	214.4	208.9	204.6	207.9	210.0
35°	226.4	219.9	214.4	207.9	201.3	196.9	193.6	189.3	184.9	186.0	188.2
37.5°	212.2	204.6	196.9	189.3	181.6	179.4	177.2	173.9	171.7	171.7	171.7
40°	198.0	190.3	182.7	173.9	166.3	163.0	159.7	156.4	153.2	153.2	153.2
42.5°	181.6	173.9	166.3	158.6	151.0	147.7	143.3	140.0	135.6	135.6	135.6
45°	168.5	160.8	154.2	146.6	138.9	133.5	128.0	121.4	116.0	114.9	113.8
47.5°	164.1	153.2	142.2	131.3	120.3	114.9	109.4	102.8	97.4	96.3	95.2
50°	188.2	166.3	144.4	122.5	100.6	96.3	91.9	87.5	83.1	81.0	79.9
52.5°	178.3	155.3	132.4	109.4	86.4	83.1	79.9	76.6	73.3	71.1	68.9
55°	114.9	105.0	96.3	86.4	76.6	74.4	72.2	68.9	66.7	64.5	62.4
57.5°	91.9	86.4	82.0	76.6	71.1	68.9	66.7	63.4	61.3	58.0	55.8
60°	83.1	78.8	74.4	70.0	65.6	63.4	61.3	59.1	56.9	53.6	51.4
62.5°	75.5	72.2	68.9	65.6	62.4	60.2	58.0	55.8	53.6	50.3	47.0
65°	67.8	65.6	63.4	61.3	59.1	56.9	54.7	51.4	49.2	45.9	42.7
67.5°	62.4	61.3	60.2	59.1	58.0	55.8	52.5	50.3	47.0	43.8	39.4
70°	59.1	59.1	59.1	58.0	58.0	55.8	52.5	50.3	47.0	42.7	39.4
72.5°	55.8	56.9	58.0	58.0	59.1	55.8	52.5	49.2	45.9	41.6	38.3
75°	53.6	54.7	55.8	55.8	56.9	54.7	52.5	49.2	47.0	42.7	38.3
77.5°	54.7	55.8	55.8	56.9	56.9	54.7	52.5	49.2	47.0	41.6	36.1
80°	54.7	53.6	52.5	50.3	49.2	44.9	40.5	35.0	30.6	24.1	18.6
82.5°	42.7	40.5	39.4	37.2	35.0	30.6	26.3	21.9	17.5	13.1	8.8
85°	33.9	31.7	30.6	28.4	26.3	23.0	18.6	15.3	10.9	8.8	5.5
87.5°	17.5	16.4	14.2	13.1	10.9	8.8	5.5	3.3	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: P368635
 CATALOG NUMBER: MSA-SA4D-740-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: P368635

CATALOG NUMBER: MSA-SA4D-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6
2.5°	2268.8	2324.6	2317.0	2309.3	2345.4	2381.5	2355.3	2330.1	2303.9	2277.6	2222.9
5°	2294.0	2298.4	2290.7	2282.0	2283.1	2284.2	2266.7	2249.2	2231.7	2214.2	2210.9
7.5°	1832.4	1849.9	1873.9	1896.9	1898.0	1898.0	1884.9	1871.7	1857.5	1844.4	1851.0
10°	1297.4	1293.0	1299.6	1306.2	1305.1	1302.9	1337.9	1372.9	1406.8	1441.8	1416.7
12.5°	960.5	966.0	938.6	911.3	921.1	929.9	935.3	940.8	946.3	951.7	967.0
15°	580.9	564.5	544.8	525.1	534.9	543.7	553.5	562.3	572.1	580.9	590.7
17.5°	404.8	399.3	390.5	380.7	381.8	382.9	384.0	385.1	385.1	386.2	388.4
20°	351.2	354.4	347.9	340.2	338.0	334.7	332.6	330.4	327.1	324.9	321.6
22.5°	309.6	311.8	312.9	312.9	308.5	303.0	298.6	295.4	291.0	286.6	284.4
25°	281.1	283.3	281.1	277.9	275.7	273.5	271.3	268.0	265.8	262.5	261.5
27.5°	257.1	260.4	260.4	259.3	257.1	253.8	248.3	244.0	238.5	233.0	234.1
30°	231.9	236.3	236.3	235.2	234.1	233.0	227.5	222.1	216.6	211.1	213.3
32.5°	213.3	215.5	214.4	213.3	213.3	212.2	207.9	204.6	200.2	195.8	195.8
35°	189.3	190.3	190.3	190.3	190.3	189.3	186.0	182.7	179.4	176.1	177.2
37.5°	171.7	171.7	175.0	177.2	175.0	172.8	170.7	167.4	165.2	161.9	161.9
40°	152.1	152.1	155.3	157.5	155.3	153.2	152.1	149.9	148.8	146.6	146.6
42.5°	134.6	134.6	137.8	140.0	140.0	138.9	136.7	134.6	132.4	130.2	131.3
45°	112.7	111.6	117.1	121.4	119.2	117.1	117.1	116.0	116.0	114.9	116.0
47.5°	93.0	91.9	96.3	100.6	99.5	97.4	97.4	97.4	97.4	97.4	98.5
50°	77.7	75.5	79.9	83.1	82.0	79.9	79.9	81.0	81.0	81.0	82.0
52.5°	66.7	64.5	67.8	70.0	68.9	67.8	67.8	68.9	68.9	68.9	70.0
55°	59.1	56.9	60.2	62.4	61.3	59.1	60.2	60.2	61.3	61.3	61.3
57.5°	52.5	49.2	51.4	53.6	53.6	52.5	53.6	53.6	54.7	54.7	54.7
60°	48.1	44.9	47.0	48.1	48.1	47.0	48.1	48.1	49.2	49.2	49.2
62.5°	42.7	39.4	41.6	42.7	42.7	41.6	42.7	42.7	43.8	43.8	43.8
65°	38.3	35.0	36.1	37.2	37.2	37.2	38.3	38.3	39.4	39.4	39.4
67.5°	36.1	31.7	32.8	33.9	33.9	33.9	35.0	35.0	36.1	36.1	37.2
70°	35.0	30.6	31.7	31.7	32.8	32.8	32.8	33.9	33.9	33.9	33.9
72.5°	33.9	29.5	29.5	29.5	30.6	30.6	30.6	31.7	31.7	31.7	31.7
75°	33.9	29.5	28.4	27.3	28.4	28.4	28.4	29.5	29.5	29.5	29.5
77.5°	29.5	24.1	21.9	18.6	21.9	24.1	25.2	25.2	26.3	26.3	26.3
80°	12.0	5.5	3.3	0.0	1.1	2.2	3.3	4.4	5.5	6.6	7.7
82.5°	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.3	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: P368635
 CATALOG NUMBER: MSA-SA4D-740-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: P368635
 CATALOG NUMBER: MSA-SA4D-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6
2.5°	2168.2	2113.5	2058.8	2085.1	2111.3	2137.6	2163.8	2161.6	2158.4	2156.2	2152.9
5°	2208.7	2205.4	2202.1	2186.8	2172.6	2157.3	2141.9	2138.7	2134.3	2131.0	2126.6
7.5°	1857.5	1863.0	1869.6	1852.1	1834.6	1817.0	1799.5	1754.7	1709.8	1663.9	1619.0
10°	1391.5	1365.2	1340.1	1337.9	1335.7	1333.5	1331.3	1327.0	1322.6	1317.1	1312.7
12.5°	983.5	998.8	1014.1	1008.6	1003.2	996.6	991.1	998.8	1007.5	1015.2	1022.8
15°	599.5	609.3	618.1	637.8	657.5	677.2	696.8	704.5	713.3	720.9	728.6
17.5°	390.5	391.6	393.8	415.7	436.5	458.4	479.1	493.4	507.6	520.7	534.9
20°	318.3	315.1	311.8	323.8	335.8	347.9	359.9	373.0	386.2	399.3	412.4
22.5°	283.3	281.1	279.0	283.3	287.7	291.0	295.4	305.2	316.2	326.0	335.8
25°	260.4	258.2	257.1	259.3	261.5	263.6	265.8	271.3	276.8	282.2	287.7
27.5°	234.1	235.2	235.2	237.4	238.5	240.7	241.8	244.0	247.2	249.4	251.6
30°	214.4	216.6	217.7	219.9	221.0	223.2	224.3	223.2	222.1	221.0	219.9
32.5°	195.8	194.7	194.7	196.9	198.0	200.2	201.3	203.5	205.7	206.8	208.9
35°	177.2	178.3	178.3	178.3	179.4	179.4	179.4	181.6	184.9	187.1	189.3
37.5°	160.8	160.8	159.7	163.0	165.2	168.5	170.7	172.8	176.1	178.3	180.5
40°	146.6	146.6	146.6	148.8	151.0	152.1	154.2	159.7	165.2	170.7	176.1
42.5°	131.3	132.4	132.4	134.6	136.7	137.8	140.0	144.4	147.7	152.1	155.3
45°	117.1	118.1	119.2	121.4	122.5	124.7	125.8	128.0	129.1	131.3	132.4
47.5°	100.6	101.7	102.8	105.0	106.1	108.3	109.4	108.3	108.3	107.2	106.1
50°	84.2	85.3	86.4	89.7	91.9	95.2	97.4	95.2	93.0	89.7	87.5
52.5°	71.1	71.1	72.2	74.4	76.6	77.7	79.9	78.8	77.7	76.6	75.5
55°	61.3	61.3	61.3	62.4	63.4	64.5	65.6	66.7	66.7	67.8	67.8
57.5°	54.7	53.6	53.6	54.7	55.8	55.8	56.9	58.0	58.0	59.1	59.1
60°	49.2	48.1	48.1	49.2	50.3	51.4	52.5	52.5	52.5	51.4	51.4
62.5°	43.8	43.8	43.8	44.9	44.9	45.9	45.9	45.9	47.0	47.0	47.0
65°	40.5	40.5	40.5	40.5	40.5	39.4	39.4	40.5	40.5	41.6	41.6
67.5°	37.2	38.3	38.3	37.2	36.1	35.0	33.9	35.0	35.0	36.1	36.1
70°	33.9	33.9	33.9	32.8	31.7	30.6	29.5	29.5	29.5	28.4	28.4
72.5°	31.7	30.6	30.6	29.5	27.3	26.3	24.1	23.0	23.0	21.9	20.8
75°	29.5	28.4	28.4	26.3	24.1	21.9	19.7	18.6	16.4	15.3	13.1
77.5°	26.3	26.3	26.3	23.0	20.8	17.5	14.2	12.0	9.8	6.6	4.4
80°	8.8	9.8	10.9	9.8	9.8	8.8	7.7	5.5	4.4	2.2	0.0
82.5°	1.1	1.1	1.1	1.1	1.1	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: P368635
 CATALOG NUMBER: MSA-SA4D-740-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: P368635
 CATALOG NUMBER: MSA-SA4D-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6
2.5°	2164.9	2177.0	2189.0	2201.0	2202.1	2203.2	2204.3	2205.4	2178.0	2149.6	2122.3
5°	2148.5	2171.5	2193.4	2215.2	2203.2	2191.2	2179.1	2167.1	2166.0	2166.0	2164.9
7.5°	1622.3	1624.5	1627.8	1630.0	1634.4	1638.7	1642.0	1646.4	1663.9	1681.4	1697.8
10°	1298.5	1284.3	1269.0	1254.8	1243.8	1231.8	1220.8	1208.8	1217.6	1227.4	1236.2
12.5°	1010.8	998.8	985.6	973.6	969.2	964.9	959.4	955.0	983.5	1011.9	1039.3
15°	726.4	724.2	720.9	718.7	732.9	747.2	761.4	775.6	799.7	822.6	846.7
17.5°	540.4	545.9	551.3	556.8	565.6	574.3	582.0	590.7	608.2	626.8	644.3
20°	419.0	426.6	433.2	439.8	437.6	435.4	432.1	429.9	444.1	458.4	471.5
22.5°	342.4	347.9	354.4	359.9	361.0	362.1	363.2	364.3	373.0	380.7	389.4
25°	293.2	299.7	305.2	310.7	311.8	312.9	314.0	315.1	326.0	336.9	346.8
27.5°	259.3	265.8	273.5	280.1	282.2	284.4	286.6	288.8	295.4	300.8	307.4
30°	228.6	237.4	246.1	254.9	258.2	261.5	264.7	268.0	274.6	282.2	288.8
32.5°	213.3	218.8	223.2	227.5	235.2	241.8	249.4	256.0	263.6	272.4	280.1
35°	195.8	201.3	207.9	213.3	218.8	224.3	228.6	234.1	238.5	242.9	246.1
37.5°	184.9	190.3	194.7	199.1	201.3	203.5	204.6	206.8	208.9	211.1	212.2
40°	176.1	175.0	175.0	173.9	176.1	179.4	181.6	183.8	190.3	195.8	202.4
42.5°	153.2	149.9	147.7	144.4	149.9	154.2	159.7	164.1	172.8	181.6	190.3
45°	130.2	128.0	124.7	122.5	130.2	137.8	145.5	153.2	163.0	171.7	181.6
47.5°	107.2	108.3	108.3	109.4	117.1	124.7	131.3	138.9	148.8	158.6	168.5
50°	89.7	91.9	94.1	96.3	103.9	110.5	118.1	124.7	135.6	145.5	156.4
52.5°	78.8	82.0	84.2	87.5	94.1	101.7	108.3	114.9	124.7	134.6	144.4
55°	71.1	75.5	78.8	82.0	87.5	93.0	98.5	103.9	113.8	123.6	132.4
57.5°	62.4	65.6	68.9	72.2	77.7	83.1	87.5	93.0	101.7	111.6	120.3
60°	54.7	56.9	60.2	62.4	66.7	72.2	76.6	81.0	89.7	98.5	106.1
62.5°	48.1	50.3	51.4	52.5	56.9	61.3	65.6	70.0	77.7	86.4	94.1
65°	42.7	43.8	43.8	44.9	48.1	52.5	55.8	59.1	67.8	75.5	84.2
67.5°	36.1	37.2	37.2	37.2	40.5	43.8	47.0	50.3	58.0	66.7	74.4
70°	28.4	29.5	29.5	29.5	32.8	37.2	40.5	43.8	50.3	56.9	63.4
72.5°	21.9	21.9	23.0	23.0	26.3	30.6	33.9	37.2	42.7	48.1	53.6
75°	14.2	15.3	15.3	16.4	19.7	24.1	27.3	30.6	36.1	41.6	45.9
77.5°	5.5	7.7	8.8	9.8	13.1	16.4	19.7	23.0	27.3	32.8	37.2
80°	0.0	1.1	1.1	1.1	3.3	4.4	6.6	7.7	10.9	15.3	18.6
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: P368635
 CATALOG NUMBER: MSA-SA4D-740-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: P368635
 CATALOG NUMBER: MSA-SA4D-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6
2.5°	2093.8	2154.0	2214.2	2274.3	2334.5	2408.9	2483.3	2494.2	2505.1	2492.0	2480.0
5°	2163.8	2193.4	2221.8	2251.3	2279.8	2365.1	2449.3	2450.4	2450.4	2451.5	2451.5
7.5°	1715.3	1740.5	1765.6	1789.7	1814.9	1870.7	1926.4	1947.2	1966.9	1962.5	1958.2
10°	1244.9	1277.7	1309.5	1342.3	1374.0	1425.4	1476.8	1496.5	1515.1	1575.3	1636.5
12.5°	1067.7	1099.4	1131.1	1161.8	1193.5	1246.0	1298.5	1336.8	1374.0	1411.2	1448.4
15°	869.7	894.8	921.1	946.3	971.4	995.5	1019.6	1066.6	1112.5	1149.7	1186.9
17.5°	661.8	672.8	682.6	693.6	703.4	714.3	725.3	745.0	763.6	796.4	828.1
20°	485.7	494.5	503.2	510.9	519.6	530.6	541.5	555.7	568.9	576.5	583.1
22.5°	397.1	410.2	423.4	435.4	448.5	456.2	463.8	468.2	472.6	475.9	479.1
25°	357.7	369.8	380.7	392.7	403.7	406.9	410.2	419.0	427.7	427.7	427.7
27.5°	312.9	329.3	346.8	363.2	379.6	384.0	387.3	390.5	392.7	388.4	382.9
30°	295.4	311.8	328.2	343.5	359.9	366.5	371.9	375.2	378.5	373.0	367.6
32.5°	287.7	303.0	317.2	332.6	346.8	355.5	363.2	371.9	379.6	380.7	382.9
35°	250.5	260.4	271.3	281.1	291.0	295.4	299.7	303.0	305.2	305.2	305.2
37.5°	214.4	227.5	241.8	254.9	268.0	277.9	287.7	288.8	288.8	291.0	294.3
40°	207.9	221.0	234.1	246.1	259.3	270.2	280.1	281.1	282.2	284.4	286.6
42.5°	199.1	213.3	227.5	241.8	256.0	266.9	276.8	276.8	275.7	279.0	281.1
45°	190.3	204.6	217.7	231.9	245.0	259.3	272.4	269.1	264.7	270.2	274.6
47.5°	178.3	193.6	208.9	223.2	238.5	251.6	263.6	261.5	258.2	263.6	269.1
50°	166.3	181.6	196.9	212.2	227.5	241.8	254.9	252.7	250.5	257.1	262.5
52.5°	154.2	169.6	186.0	201.3	216.6	228.6	239.6	238.5	237.4	244.0	251.6
55°	142.2	156.4	171.7	186.0	200.2	213.3	225.4	223.2	221.0	226.4	231.9
57.5°	129.1	143.3	156.4	170.7	183.8	194.7	204.6	201.3	198.0	204.6	211.1
60°	114.9	128.0	141.1	153.2	166.3	175.0	182.7	180.5	177.2	183.8	190.3
62.5°	101.7	113.8	125.8	136.7	148.8	155.3	161.9	159.7	157.5	164.1	171.7
65°	91.9	101.7	110.5	120.3	129.1	135.6	142.2	138.9	135.6	143.3	149.9
67.5°	82.0	89.7	98.5	106.1	113.8	119.2	124.7	122.5	119.2	124.7	130.2
70°	70.0	77.7	85.3	91.9	99.5	105.0	110.5	107.2	102.8	108.3	113.8
72.5°	59.1	65.6	72.2	77.7	84.2	88.6	93.0	89.7	86.4	90.8	95.2
75°	51.4	56.9	62.4	66.7	72.2	74.4	76.6	75.5	73.3	77.7	81.0
77.5°	41.6	45.9	51.4	55.8	60.2	60.2	60.2	61.3	61.3	65.6	71.1
80°	21.9	26.3	30.6	33.9	38.3	38.3	37.2	39.4	40.5	45.9	51.4
82.5°	0.0	3.3	6.6	9.8	13.1	12.0	9.8	10.9	10.9	13.1	15.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2
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: P368635
 CATALOG NUMBER: MSA-SA4D-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P368635

CATALOG NUMBER: MSA-SA4D-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6
2.5°	2466.9	2453.7	2445.0	2437.3	2428.6	2419.8	2430.8	2441.7	2451.5	2462.5	2495.3
5°	2452.6	2452.6	2445.0	2437.3	2429.7	2422.0	2438.4	2453.7	2470.1	2485.4	2484.4
7.5°	1952.7	1948.3	1994.3	2039.1	2085.1	2129.9	2141.9	2154.0	2164.9	2177.0	2173.7
10°	1696.7	1756.9	1776.6	1796.3	1816.0	1835.6	1859.7	1883.8	1907.8	1931.9	1940.7
12.5°	1485.6	1522.8	1586.2	1648.6	1712.0	1774.4	1806.1	1838.9	1870.7	1902.4	1964.7
15°	1224.1	1261.3	1316.0	1370.7	1425.4	1480.1	1530.4	1581.8	1632.2	1682.5	1758.0
17.5°	860.9	892.7	934.2	975.8	1016.3	1057.8	1135.5	1213.2	1290.9	1368.5	1448.4
20°	590.7	597.3	617.0	637.8	657.5	677.2	747.2	818.3	888.3	958.3	1063.3
22.5°	481.3	484.6	494.5	504.3	513.1	522.9	559.0	596.2	632.3	668.4	753.7
25°	426.6	426.6	433.2	439.8	446.3	452.9	472.6	492.3	510.9	530.6	585.3
27.5°	378.5	373.0	382.9	392.7	402.6	412.4	426.6	442.0	456.2	470.4	507.6
30°	362.1	356.6	368.7	380.7	392.7	404.8	419.0	433.2	446.3	460.6	485.7
32.5°	384.0	385.1	389.4	393.8	397.1	401.5	408.0	415.7	422.3	428.8	450.7
35°	305.2	305.2	312.9	320.5	327.1	334.7	346.8	358.8	370.8	382.9	405.9
37.5°	296.5	298.6	305.2	312.9	319.4	326.0	341.3	357.7	373.0	388.4	406.9
40°	287.7	289.9	298.6	307.4	316.2	324.9	340.2	354.4	369.8	384.0	401.5
42.5°	284.4	286.6	297.6	309.6	320.5	331.5	344.6	357.7	369.8	382.9	406.9
45°	280.1	284.4	297.6	311.8	324.9	338.0	350.1	362.1	374.1	386.2	415.7
47.5°	273.5	279.0	294.3	308.5	323.8	338.0	361.0	385.1	408.0	431.0	445.2
50°	269.1	274.6	291.0	307.4	323.8	340.2	377.4	414.6	450.7	487.9	480.2
52.5°	258.2	264.7	285.5	306.3	327.1	347.9	380.7	413.5	446.3	479.1	463.8
55°	237.4	242.9	266.9	291.0	314.0	338.0	362.1	386.2	409.1	433.2	415.7
57.5°	216.6	223.2	246.1	269.1	291.0	314.0	326.0	338.0	350.1	362.1	355.5
60°	196.9	203.5	234.1	264.7	295.4	326.0	315.1	304.1	292.1	281.1	288.8
62.5°	178.3	184.9	214.4	242.9	272.4	300.8	285.5	270.2	254.9	239.6	251.6
65°	157.5	164.1	175.0	187.1	198.0	208.9	207.9	205.7	204.6	202.4	215.5
67.5°	135.6	141.1	146.6	153.2	158.6	164.1	167.4	171.7	175.0	178.3	189.3
70°	118.1	123.6	130.2	135.6	142.2	147.7	149.9	152.1	153.2	155.3	165.2
72.5°	98.5	102.8	111.6	120.3	128.0	136.7	137.8	137.8	138.9	138.9	146.6
75°	85.3	88.6	95.2	101.7	107.2	113.8	117.1	120.3	122.5	125.8	130.2
77.5°	75.5	79.9	82.0	83.1	85.3	86.4	88.6	90.8	93.0	95.2	96.3
80°	55.8	61.3	63.4	64.5	66.7	67.8	67.8	66.7	66.7	65.6	66.7
82.5°	17.5	19.7	23.0	26.3	29.5	32.8	33.9	35.0	35.0	36.1	35.0
85°	3.3	4.4	6.6	8.8	9.8	12.0	10.9	8.8	7.7	5.5	4.4
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: P368635
 CATALOG NUMBER: MSA-SA4D-740-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: P368635

CATALOG NUMBER: MSA-SA4D-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6
2.5°	2528.1	2559.8	2592.7	2579.5	2566.4	2553.3	2540.1	2542.3	2545.6	2547.8	2550.0
5°	2483.3	2481.1	2480.0	2517.2	2555.5	2592.7	2629.9	2670.3	2711.9	2752.4	2792.8
7.5°	2170.4	2166.0	2162.7	2210.9	2259.0	2307.1	2355.3	2411.1	2467.9	2523.7	2579.5
10°	1949.4	1958.2	1966.9	1986.6	2007.4	2027.1	2046.8	2100.4	2154.0	2206.5	2260.1
12.5°	2027.1	2088.3	2150.7	2162.7	2173.7	2185.7	2196.6	2204.3	2212.0	2219.6	2227.3
15°	1834.6	1910.0	1985.5	2017.2	2047.9	2079.6	2110.2	2191.2	2271.0	2352.0	2431.8
17.5°	1528.2	1607.0	1686.9	1782.0	1877.2	1972.4	2067.6	2155.1	2242.6	2330.1	2417.6
20°	1169.4	1274.4	1379.5	1499.8	1621.2	1741.6	1861.9	1949.4	2035.8	2123.4	2209.8
22.5°	840.2	925.5	1010.8	1156.3	1300.7	1446.2	1590.6	1742.7	1895.8	2047.9	2199.9
25°	640.0	693.6	748.3	891.6	1034.9	1177.1	1320.4	1529.3	1738.3	1947.2	2156.2
27.5°	543.7	580.9	617.0	746.1	875.2	1003.2	1132.2	1380.6	1628.9	1877.2	2125.5
30°	512.0	537.1	562.3	671.7	782.2	891.6	1001.0	1252.6	1504.2	1755.8	2007.4
32.5°	472.6	493.4	515.2	611.5	707.8	803.0	899.2	1145.4	1391.5	1636.5	1882.7
35°	427.7	450.7	472.6	568.9	665.1	760.3	856.6	1111.5	1366.3	1621.2	1876.1
37.5°	424.5	443.0	460.6	572.1	684.8	796.4	908.0	1162.9	1417.8	1671.6	1926.4
40°	420.1	437.6	455.1	568.9	681.5	795.3	908.0	1174.9	1441.8	1708.7	1975.7
42.5°	431.0	454.0	478.1	578.7	679.3	778.9	879.5	1160.7	1441.8	1721.9	2003.0
45°	446.3	475.9	505.4	597.3	689.2	781.1	873.0	1178.2	1483.4	1787.5	2092.7
47.5°	460.6	474.8	489.0	576.5	662.9	750.4	836.9	1148.6	1460.4	1772.2	2084.0
50°	473.7	466.0	458.4	554.6	650.9	746.1	842.3	1139.9	1436.4	1733.9	2030.4
52.5°	447.4	432.1	415.7	518.5	621.4	723.1	825.9	1125.7	1425.4	1725.2	2024.9
55°	398.2	380.7	363.2	464.9	565.6	667.3	768.0	1066.6	1365.2	1663.9	1962.5
57.5°	347.9	341.3	333.7	411.3	489.0	565.6	643.2	974.7	1307.3	1638.7	1970.2
60°	296.5	303.0	310.7	366.5	422.3	477.0	532.8	857.7	1181.5	1506.4	1830.2
62.5°	262.5	274.6	285.5	332.6	380.7	427.7	474.8	781.1	1087.4	1393.7	1700.0
65°	229.7	242.9	256.0	311.8	368.7	424.5	480.2	739.5	998.8	1258.0	1517.3
67.5°	200.2	210.0	221.0	294.3	367.6	440.9	514.2	726.4	937.5	1149.7	1360.9
70°	175.0	183.8	193.6	279.0	364.3	449.6	534.9	715.4	897.0	1077.5	1258.0
72.5°	154.2	161.9	169.6	256.0	342.4	428.8	515.2	676.1	835.8	996.6	1156.3
75°	134.6	137.8	142.2	215.5	287.7	361.0	433.2	540.4	648.7	755.9	863.1
77.5°	97.4	97.4	98.5	120.3	141.1	163.0	183.8	250.5	317.2	382.9	449.6
80°	66.7	67.8	67.8	76.6	84.2	93.0	100.6	114.9	128.0	142.2	155.3
82.5°	33.9	31.7	30.6	39.4	48.1	56.9	65.6	68.9	71.1	74.4	76.6
85°	3.3	1.1	0.0	5.5	10.9	16.4	21.9	26.3	30.6	35.0	39.4
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: P368635
 CATALOG NUMBER: MSA-SA4D-740-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: P368635

CATALOG NUMBER: MSA-SA4D-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6
2.5°	2541.2	2532.5	2523.7	2515.0	2568.6	2623.3	2676.9	2730.5	2882.6	2982.1	2971.2
5°	2832.2	2871.6	2911.0	2950.4	3013.8	3078.4	3141.8	3205.3	3430.6	3568.5	3588.1
7.5°	2640.8	2701.0	2762.2	2822.4	2944.9	3066.3	3188.9	3310.3	3495.2	3638.5	3719.4
10°	2329.0	2397.9	2465.8	2534.7	2672.5	2811.4	2949.3	3087.1	3295.0	3493.0	3594.7
12.5°	2335.6	2443.9	2552.2	2660.5	2780.8	2901.1	3020.4	3140.7	3267.6	3334.4	3477.7
15°	2517.2	2602.5	2687.8	2773.2	2930.7	3088.2	3244.6	3402.2	3477.7	3638.5	3805.8
17.5°	2583.9	2751.3	2917.6	3083.8	3280.7	3476.6	3673.5	3869.3	4011.5	4234.7	4407.5
20°	2460.3	2710.8	2960.2	3210.7	3480.9	3751.1	4021.4	4291.6	4446.9	4659.1	4926.0
22.5°	2465.8	2731.6	2996.3	3262.2	3635.2	4007.1	4380.2	4752.1	5168.9	5578.0	5708.2
25°	2504.0	2851.9	3198.7	3546.6	3977.6	4408.6	4839.6	5270.6	5773.9	6203.8	6376.6
27.5°	2517.2	2908.8	3299.3	3691.0	4303.6	4916.2	5528.8	6141.4	6742.0	7227.7	7412.6
30°	2485.4	2964.6	3442.7	3920.7	4672.3	5423.8	6175.3	6926.9	7496.8	8062.4	8292.1
32.5°	2493.1	3103.5	3714.0	4324.4	5209.4	6095.5	6980.5	7865.5	8229.8	8739.5	9144.3
35°	2545.6	3215.1	3883.5	4553.0	5532.1	6511.2	7490.3	8469.3	9066.6	9604.9	9948.4
37.5°	2668.1	3409.8	4150.4	4892.1	6095.5	7299.9	8503.3	9706.6	10631.0	11555.4	11712.9
40°	2758.9	3542.2	4325.5	5108.7	6505.7	7902.7	9299.6	10696.6	11742.4	12745.6	12852.8
42.5°	2861.8	3719.4	4578.2	5435.8	6998.0	8560.1	10122.3	11684.5	12895.5	13918.3	13989.4
45°	2974.4	3857.3	4739.0	5620.7	7257.2	8892.7	10529.2	12164.7	13579.2	14767.2	14499.2
47.5°	3028.0	3972.1	4916.2	5860.3	7615.0	9368.6	11123.3	12876.9	14145.8	15193.8	14881.0
50°	3069.6	4107.8	5147.0	6185.2	8025.2	9865.2	11705.2	13545.3	14817.5	15784.6	15294.5
52.5°	3186.7	4347.3	5509.1	6669.8	8626.9	10582.8	12539.9	14495.9	15726.6	16614.9	15927.9
55°	3300.4	4637.2	5975.1	7311.9	9416.7	11522.6	13627.3	15732.1	16957.3	17718.7	16785.5
57.5°	3443.7	4918.4	6391.9	7865.5	10116.8	12368.2	14618.4	16869.8	18067.6	18908.9	17939.6
60°	3406.6	4981.8	6558.2	8133.5	10426.4	12719.3	15012.2	17305.2	18728.4	19762.2	19104.7
62.5°	3262.2	4824.3	6385.4	7947.5	10200.0	12451.3	14703.8	16955.1	18660.6	20060.8	19839.8
65°	2970.1	4421.7	5874.5	7326.2	9476.9	11628.7	13779.4	15930.1	18034.8	19816.9	19895.6
67.5°	2586.1	3811.3	5035.4	6260.7	8267.0	10273.3	12278.5	14284.8	16769.1	18847.6	19081.7
70°	2179.1	3099.2	4020.3	4940.3	6705.9	8471.5	10236.1	12001.7	14584.5	16676.1	17118.1
72.5°	1747.0	2338.9	2929.6	3520.3	4794.8	6068.1	7342.6	8615.9	10888.1	12511.5	13282.7
75°	1132.2	1401.3	1670.5	1939.6	2788.5	3636.3	4485.2	5333.0	6841.5	8037.2	8909.1
77.5°	504.3	559.0	612.6	667.3	1322.6	1977.9	2633.1	3288.4	3943.7	4665.7	4870.3
80°	180.5	204.6	229.7	253.8	575.4	898.1	1219.8	1541.4	1858.6	2231.7	2322.5
82.5°	75.5	75.5	74.4	73.3	188.2	303.0	417.9	532.8	615.9	707.8	725.3
85°	30.6	23.0	14.2	5.5	24.1	43.8	62.4	81.0	130.2	118.1	218.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368635
 CATALOG NUMBER: MSA-SA4D-740-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: P368635

CATALOG NUMBER: MSA-SA4D-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6
2.5°	2929.6	2927.4	2925.2	2923.0	2920.8	2881.5	2843.2	2803.8	2765.5	2813.6	2861.8
5°	3556.4	3613.3	3670.2	3728.2	3785.1	3801.5	3817.9	3834.3	3850.7	3885.7	3920.7
7.5°	3787.2	3883.5	3978.7	4075.0	4170.1	4258.7	4346.3	4434.9	4523.5	4501.6	4479.7
10°	3707.4	3881.3	4055.3	4230.3	4404.2	4442.5	4480.8	4520.2	4558.5	4658.0	4757.6
12.5°	3621.0	3829.9	4038.9	4247.8	4456.7	4572.7	4687.6	4803.5	4919.5	5020.1	5120.8
15°	4031.2	4164.7	4298.1	4432.7	4566.1	4667.9	4768.5	4870.3	4970.9	5040.9	5109.8
17.5°	4570.5	4636.2	4701.8	4768.5	4834.2	4914.0	4993.9	5073.7	5153.6	5195.2	5236.7
20°	5140.5	5168.9	5197.3	5225.8	5254.2	5190.8	5127.3	5063.9	5000.4	5039.8	5078.1
22.5°	5712.6	5722.4	5733.4	5743.2	5753.1	5605.4	5457.7	5310.0	5162.3	5100.0	5037.6
25°	6593.2	6521.0	6448.8	6376.6	6304.4	6129.4	5954.4	5779.3	5604.3	5450.0	5295.8
27.5°	7547.1	7302.1	7058.2	6813.1	6569.2	6394.1	6219.1	6044.1	5869.0	5637.1	5405.2
30°	8508.7	8113.8	7720.0	7325.1	6931.3	6723.4	6515.6	6306.6	6098.8	5866.8	5636.0
32.5°	9390.4	8915.7	8440.9	7965.0	7490.3	7140.2	6790.1	6440.1	6090.0	5928.1	5766.2
35°	10121.2	9560.0	8998.8	8436.5	7875.3	7528.5	7181.8	6835.0	6488.2	6247.5	6008.0
37.5°	11370.5	10739.3	10108.1	9476.9	8845.7	8372.0	7899.4	7425.7	6952.0	6791.2	6630.4
40°	12522.4	11727.1	10931.8	10136.5	9341.2	8944.1	8548.1	8151.0	7755.0	7491.4	7228.8
42.5°	13438.1	12600.1	11763.2	10925.3	10087.3	9694.6	9302.9	8910.2	8517.5	8341.4	8166.3
45°	13636.1	12846.2	12057.5	11267.7	10477.8	10249.2	10021.7	9793.0	9565.5	9444.1	9323.7
47.5°	14026.6	13170.0	12314.6	11458.0	10601.4	10498.6	10395.8	10291.9	10189.0	10247.0	10305.0
50°	14245.4	13371.3	12497.3	11623.2	10749.1	10778.7	10807.1	10836.6	10866.2	11277.5	11687.7
52.5°	14669.8	13787.0	12904.2	12021.4	11138.6	11324.5	11509.4	11695.4	11880.3	12446.9	13012.5
55°	15427.9	14560.4	13692.9	12824.3	11956.8	12201.9	12446.9	12693.1	12938.1	13539.8	14140.4
57.5°	16551.4	15690.5	14830.6	13969.7	13109.9	13353.8	13597.8	13841.7	14085.7	14629.4	15172.0
60°	17965.9	17082.0	16199.2	15315.3	14432.5	14524.3	14615.1	14707.0	14798.9	15383.1	15966.2
62.5°	19067.5	18254.7	17443.0	16630.2	15818.5	15716.7	15616.1	15514.4	15413.7	15857.9	16300.9
65°	19323.5	18751.4	18180.3	17608.2	17036.0	16723.2	16411.4	16098.5	15785.7	15965.1	16144.5
67.5°	18590.5	18204.4	17819.3	17433.2	17047.0	16393.9	15740.8	15086.6	14433.5	14338.4	14243.2
70°	16889.5	16678.3	16468.3	16257.2	16047.1	15040.7	14035.3	13028.9	12023.6	11781.8	11540.1
72.5°	13327.6	13458.8	13590.1	13722.5	13853.8	12776.2	11699.8	10622.2	9544.7	9238.4	8933.2
75°	9398.1	9843.3	10288.6	10733.8	11179.1	10196.7	9215.4	8233.1	7250.7	6956.4	6663.2
77.5°	5095.6	5930.3	6765.0	7599.7	8434.3	7623.7	6814.2	6003.6	5193.0	4988.4	4784.9
80°	2415.4	2896.8	3377.0	3858.4	4339.7	4157.0	3974.3	3790.5	3607.8	3652.7	3697.5
82.5°	740.6	1088.5	1436.4	1784.2	2132.1	2159.5	2185.7	2213.1	2240.4	2308.2	2375.0
85°	248.3	340.2	432.1	524.0	615.9	777.8	939.7	1102.7	1264.6	1159.6	1055.7
87.5°	0.0	3.3	5.5	8.8	10.9	33.9	56.9	79.9	102.8	88.6	75.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368635
 CATALOG NUMBER: MSA-SA4D-740-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: P368635

CATALOG NUMBER: MSA-SA4D-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6
2.5°	2911.0	2959.1	2960.2	2962.4	2963.5	2964.6	2970.1	2975.5	2982.1	2987.6	2951.5
5°	3956.8	3991.8	3927.3	3862.7	3797.1	3732.5	3790.5	3848.5	3906.5	3964.5	3939.3
7.5°	4456.7	4434.9	4427.2	4420.6	4413.0	4406.4	4428.3	4450.2	4472.1	4493.9	4491.7
10°	4857.1	4956.7	4980.7	5004.8	5030.0	5054.0	5003.7	4953.4	4903.1	4852.8	4832.0
12.5°	5221.4	5322.1	5401.9	5481.8	5562.7	5642.6	5570.4	5499.3	5427.1	5356.0	5288.1
15°	5179.8	5248.8	5314.4	5380.0	5445.7	5511.3	5487.2	5464.3	5440.2	5416.1	5405.2
17.5°	5279.4	5321.0	5305.6	5290.3	5273.9	5258.6	5250.9	5244.4	5236.7	5229.1	5202.8
20°	5117.5	5156.9	5147.0	5138.3	5128.4	5118.6	5112.0	5105.5	5098.9	5092.3	5071.5
22.5°	4975.3	4912.9	4896.5	4881.2	4864.8	4849.5	4851.7	4853.8	4854.9	4857.1	4951.2
25°	5141.6	4987.3	4927.1	4867.0	4805.7	4745.5	4772.9	4799.1	4826.5	4853.8	4989.5
27.5°	5172.2	4940.3	4844.0	4747.7	4651.5	4555.2	4653.7	4752.1	4850.6	4949.0	5168.9
30°	5404.1	5173.3	5038.7	4905.3	4770.7	4637.2	4763.0	4888.9	5014.7	5140.5	5378.9
32.5°	5603.2	5441.3	5345.0	5248.8	5152.5	5056.2	5061.7	5066.1	5071.5	5077.0	5412.9
35°	5767.3	5527.7	5440.2	5353.8	5266.3	5179.8	5310.0	5440.2	5570.4	5700.6	6002.5
37.5°	6469.6	6308.8	6148.0	5988.3	5827.5	5667.7	5771.7	5875.6	5980.6	6084.5	6418.2
40°	6965.2	6702.6	6661.0	6620.6	6579.0	6538.5	6592.1	6644.6	6698.2	6751.8	7043.9
42.5°	7990.2	7814.1	7701.4	7589.8	7477.1	7365.5	7408.2	7450.9	7494.6	7537.3	7814.1
45°	9202.3	9080.9	9006.5	8932.1	8856.6	8782.2	8717.7	8654.2	8589.7	8526.2	8807.4
47.5°	10363.0	10420.9	10585.0	10748.0	10912.1	11075.1	10941.7	10808.2	10673.6	10540.2	10541.3
50°	12099.1	12509.3	12592.4	12674.5	12757.6	12839.7	12555.2	12270.8	11985.3	11700.9	11667.0
52.5°	13579.2	14144.7	14174.3	14203.8	14234.4	14264.0	14149.1	14034.3	13918.3	13803.4	13498.2
55°	14742.0	15342.6	15383.1	15422.5	15463.0	15502.3	15401.7	15302.1	15201.5	15100.9	14792.4
57.5°	15715.7	16258.3	16282.3	16305.3	16329.4	16353.4	16361.1	16368.7	16377.5	16385.1	15968.4
60°	16550.3	17134.5	17086.4	17039.3	16991.2	16944.2	16872.0	16799.8	16727.6	16655.4	16386.2
62.5°	16745.1	17189.2	17114.8	17041.5	16967.1	16893.8	16832.6	16772.4	16711.1	16649.9	16478.1
65°	16323.9	16503.3	16426.7	16350.1	16272.5	16195.9	16156.5	16118.2	16078.8	16039.5	16017.6
67.5°	14146.9	14051.8	14142.6	14233.4	14324.2	14414.9	14538.6	14662.2	14786.9	14910.5	14838.3
70°	11297.2	11055.4	11156.1	11255.6	11356.3	11455.8	11642.9	11830.0	12018.1	12205.2	12154.9
72.5°	8626.9	8320.6	8334.8	8349.0	8364.3	8378.5	8373.1	8368.7	8363.2	8357.8	8445.3
75°	6369.0	6074.7	5935.8	5796.8	5657.9	5519.0	5485.1	5451.1	5417.2	5383.3	5546.3
77.5°	4580.4	4376.9	4281.7	4187.6	4092.5	3998.4	4046.5	4094.6	4143.9	4192.0	4248.9
80°	3743.5	3788.3	3715.0	3642.8	3569.6	3496.3	3551.0	3604.6	3659.3	3714.0	3544.4
82.5°	2442.8	2509.5	2284.2	2058.8	1833.5	1608.1	1744.8	1881.6	2019.4	2156.2	2086.2
85°	950.6	846.7	722.0	598.4	473.7	349.0	454.0	559.0	664.0	769.0	839.1
87.5°	61.3	48.1	38.3	28.4	17.5	7.7	16.4	25.2	35.0	43.8	73.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368635
 CATALOG NUMBER: MSA-SA4D-740-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: P368635

CATALOG NUMBER: MSA-SA4D-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6	2312.6
2.5°	2916.5	2880.4	2845.4	2776.4	2707.5	2638.6	2569.7	2666.0	2762.2	2858.5	2954.8
5°	3915.2	3890.1	3866.0	3872.6	3879.1	3886.8	3893.4	3907.6	3921.8	3934.9	3949.2
7.5°	4490.7	4488.5	4486.3	4436.0	4385.6	4334.2	4283.9	4309.1	4334.2	4359.4	4384.5
10°	4812.3	4791.5	4770.7	4660.2	4549.7	4438.1	4327.7	4279.5	4230.3	4182.2	4134.0
12.5°	5220.3	5151.4	5083.6	4965.4	4848.4	4730.2	4612.1	4568.3	4523.5	4479.7	4434.9
15°	5395.4	5384.4	5374.6	5290.3	5205.0	5120.8	5035.4	4885.6	4734.6	4584.7	4434.9
17.5°	5176.6	5149.2	5123.0	5256.4	5388.8	5522.2	5655.7	5500.4	5345.0	5189.7	5034.3
20°	5050.8	5030.0	5009.2	5257.5	5504.7	5753.1	6000.3	5931.4	5861.4	5792.5	5723.5
22.5°	5045.3	5140.5	5234.5	5452.2	5668.8	5886.5	6103.1	6222.4	6342.7	6461.9	6581.2
25°	5125.1	5261.9	5397.5	5758.5	6119.5	6481.6	6842.6	6979.4	7115.0	7251.8	7387.4
27.5°	5387.7	5607.6	5826.4	6141.4	6456.5	6772.6	7087.7	7386.3	7686.1	7984.7	8283.4
30°	5616.3	5854.8	6093.3	6468.5	6842.6	7217.9	7592.0	7966.1	8340.3	8714.4	9088.5
32.5°	5748.7	6085.6	6421.5	6877.6	7332.7	7788.9	8245.1	8655.3	9065.5	9474.7	9884.9
35°	6304.4	6607.4	6909.4	7413.7	7918.0	8423.4	8927.7	9435.3	9942.9	10449.4	10957.0
37.5°	6751.8	7086.6	7420.2	7971.6	8521.9	9073.2	9624.6	10325.8	11028.1	11729.3	12430.5
40°	7336.0	7628.1	7920.2	8436.5	8951.8	9468.1	9984.5	10873.8	11763.2	12651.5	13540.9
42.5°	8089.7	8366.5	8643.3	9195.7	9748.2	10300.6	10853.1	11837.6	12822.2	13805.6	14790.2
45°	9088.5	9370.8	9651.9	10091.7	10531.4	10971.2	11411.0	12457.9	13503.7	14550.6	15596.4
47.5°	10542.4	10543.5	10544.6	10861.8	11179.1	11497.4	11814.6	12869.2	13922.7	14977.2	16030.7
50°	11633.0	11598.0	11564.1	11728.2	11891.2	12055.3	12219.4	13189.7	14161.2	15131.5	16101.8
52.5°	13194.1	12888.9	12584.8	12682.1	12778.4	12875.8	12972.0	13793.6	14616.2	15437.8	16259.3
55°	14485.0	14176.5	13868.0	13831.9	13795.8	13759.7	13723.6	14479.5	15235.4	15991.3	16747.2
57.5°	15552.7	15135.9	14720.2	14637.0	14555.0	14471.8	14388.7	15186.2	15982.6	16780.1	17576.5
60°	16118.2	15849.1	15580.0	15526.4	15471.7	15418.1	15363.4	16017.6	16671.8	17325.9	17980.1
62.5°	16307.5	16135.7	15965.1	16065.7	16166.4	16268.1	16368.7	16656.4	16943.1	17230.8	17517.4
65°	15996.8	15974.9	15953.0	16159.8	16365.5	16572.2	16779.0	16707.9	16635.7	16564.6	16493.4
67.5°	14767.2	14695.0	14623.9	15077.9	15530.8	15984.8	16438.8	16094.2	15748.5	15403.9	15059.3
70°	12104.5	12053.1	12002.8	12657.0	13311.2	13966.4	14620.6	14202.7	13784.8	13366.9	12949.1
72.5°	8531.7	8619.2	8706.7	9478.0	10248.1	11019.3	11789.5	11368.3	10947.1	10526.0	10104.8
75°	5708.2	5871.2	6034.2	6828.4	7622.6	8417.9	9212.1	8717.7	8223.2	7728.7	7234.3
77.5°	4305.8	4362.7	4419.5	4921.7	5423.8	5927.0	6429.1	6021.1	5612.0	5203.9	4794.8
80°	3374.8	3204.2	3034.6	3199.8	3365.0	3530.2	3695.4	3451.4	3207.5	2964.6	2720.6
82.5°	2016.1	1946.1	1876.1	1965.8	2054.4	2144.1	2233.8	2128.8	2022.7	1917.7	1811.6
85°	908.0	978.0	1046.9	1137.7	1227.4	1318.2	1409.0	1262.4	1115.8	969.2	822.6
87.5°	101.7	131.3	160.8	199.1	237.4	275.7	314.0	245.0	175.0	106.1	37.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368635
 CATALOG NUMBER: MSA-SA4D-740-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: P368635
 CATALOG NUMBER: MSA-SA4D-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	2312.6	2312.6
2.5°	3010.5	3066.3
5°	3948.1	3945.9
7.5°	4318.9	4252.2
10°	4072.8	4011.5
12.5°	4278.4	4122.0
15°	4316.7	4198.6
17.5°	4841.8	4648.2
20°	5475.2	5225.8
22.5°	6239.9	5897.5
25°	6980.5	6573.5
27.5°	8039.4	7794.4
30°	8841.3	8593.0
32.5°	9716.4	9548.0
35°	10789.6	10621.1
37.5°	12474.3	12516.9
40°	13567.1	13593.4
42.5°	14891.9	14993.6
45°	15710.2	15824.0
47.5°	16189.3	16348.0
50°	16357.8	16613.8
52.5°	16575.5	16890.6
55°	17098.4	17449.6
57.5°	17856.5	18136.6
60°	17993.3	18006.4
62.5°	17315.0	17112.6
65°	16277.9	16062.4
67.5°	14929.1	14797.8
70°	12776.2	12603.4
72.5°	9783.2	9461.6
75°	6836.1	6437.9
77.5°	4585.8	4376.9
80°	2727.2	2732.7
82.5°	1861.9	1911.1
85°	812.8	801.9
87.5°	26.3	14.2
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0



REPORT NUMBER: P368635
CATALOG NUMBER: MSA-SA4D-740-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)