

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: P368349

Luminaire Tested: **MSA-SA4B-730-U-SLR-HSS**

Issue Date: 12/2/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P368349  
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-SA4B-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: 12907 lumens  
Efficiency: N/A  
Efficacy: 75.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G2

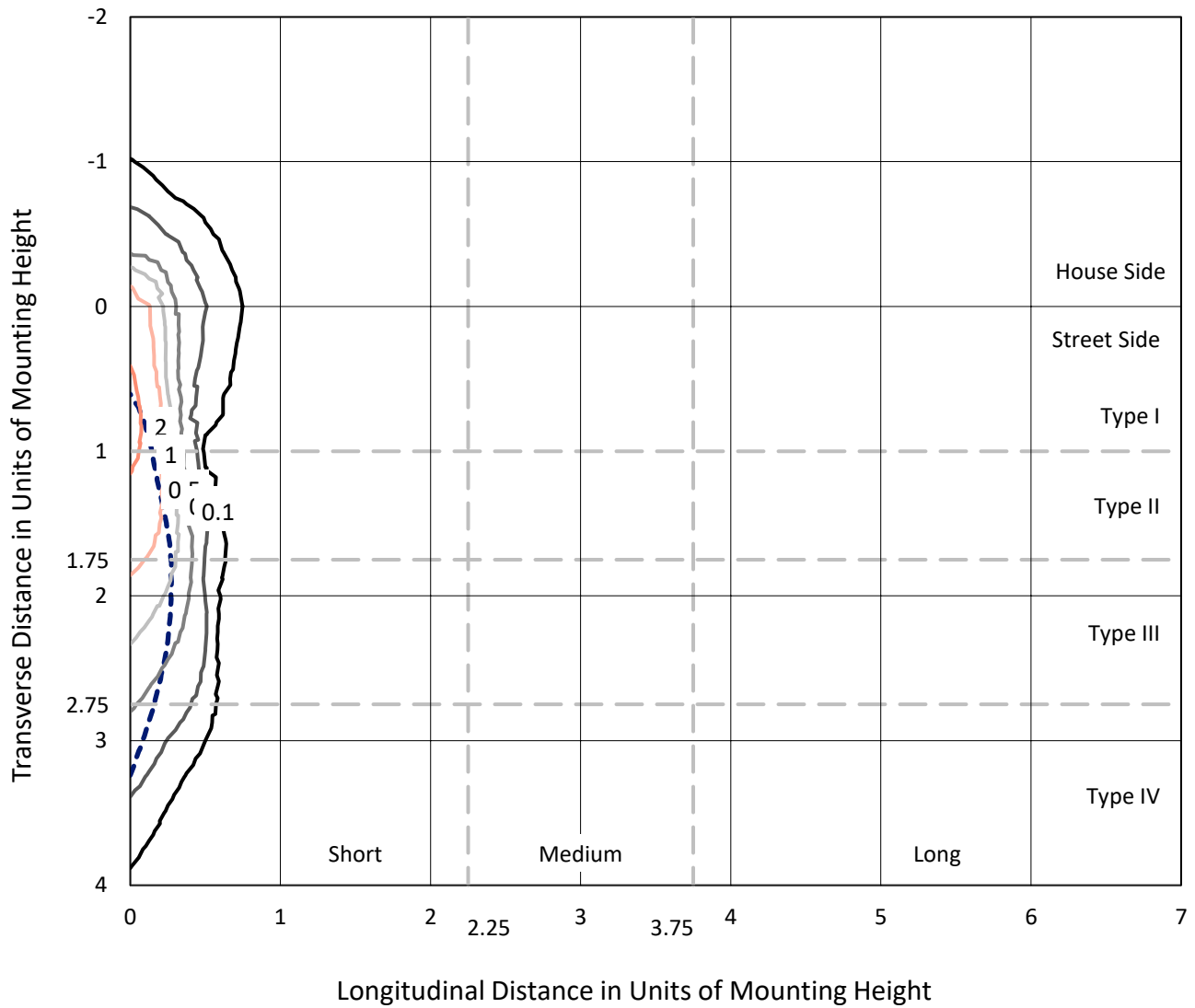
Input Watts (W): 171  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

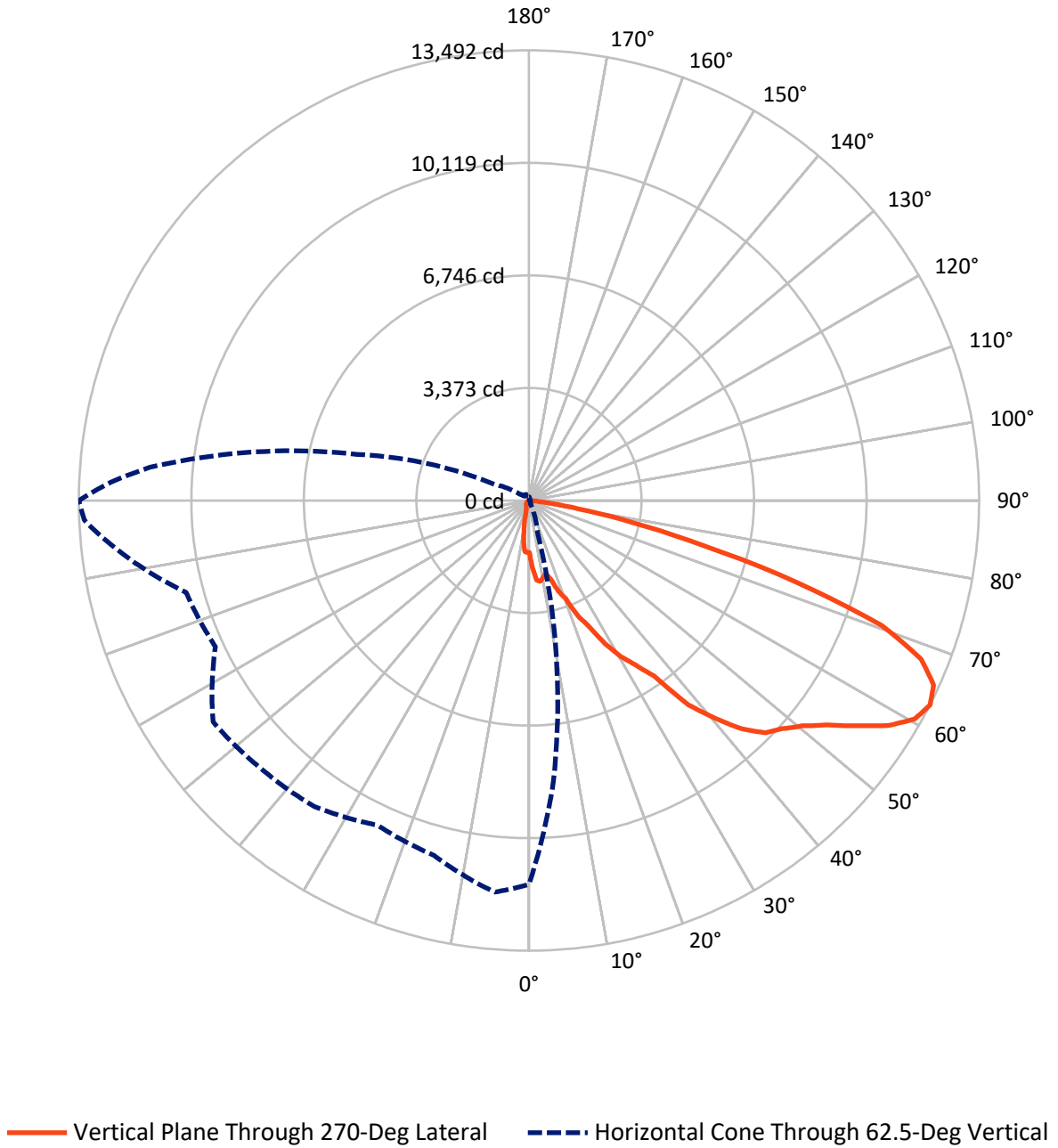
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2155.3	0.0	2155.3
	% Fixture	16.7	0.0	16.7
<b>Street Side</b>	Lumens	10751.7	0.0	10751.7
	% Fixture	83.3	0.0	83.3
<b>Total</b>	Lumens	12907.0	0.0	12907.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.8	1.3
10°-20°	453.9	3.5
20°-30°	733.7	5.7
30°-40°	1228.9	9.5
40°-50°	2008.9	15.6
50°-60°	2973.9	23.0
60°-70°	3414.0	26.5
70°-80°	1688.0	13.1
80°-90°	231.9	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°	12907.0	100.0
0°-180°	12907.0	100.0

**Coefficient of Utilization**

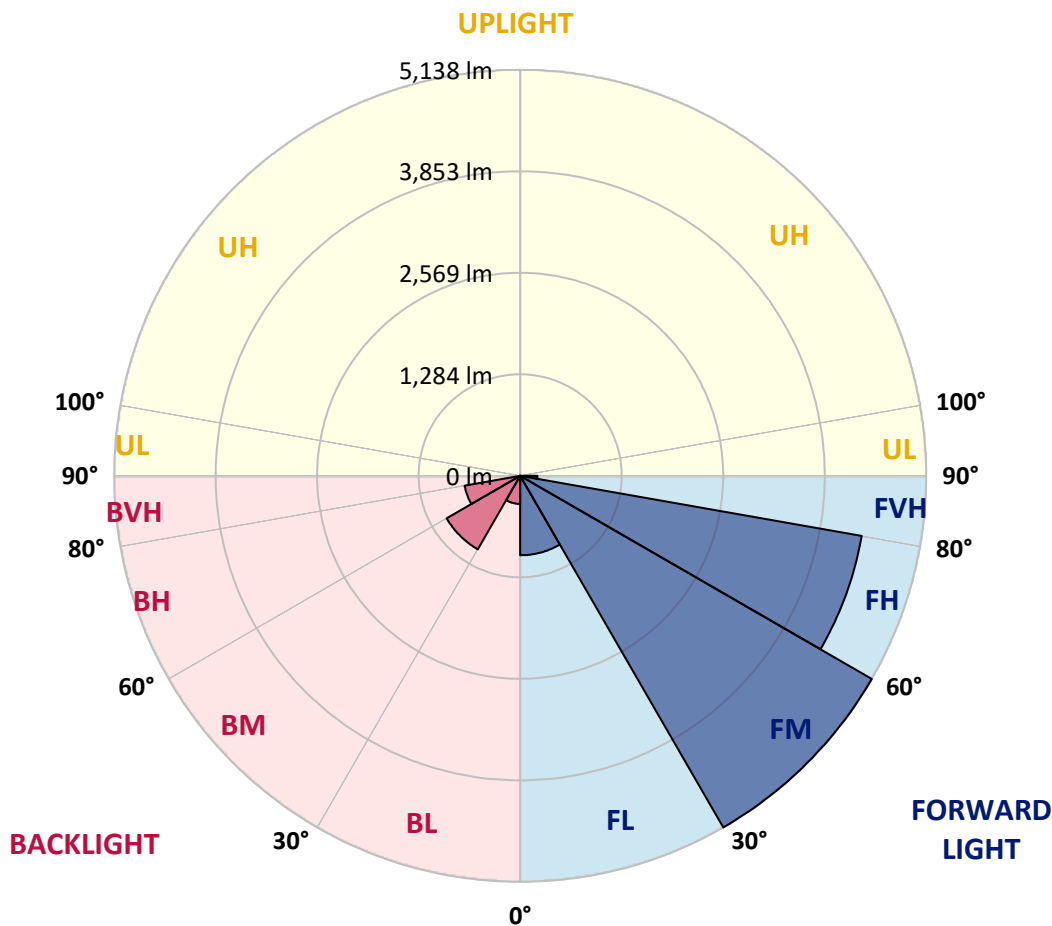


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1005.5	7.8			
FM (30°-60°)	5137.6	39.8			
FH (60°-80°)	4389.0	34.0			G2/5000
FVH (80°-90°)	219.5	1.7			G2/225
BL (0°-30°)	355.9	2.8	B1/500		
BM (30°-60°)	1074.0	8.3	B2/2500		
BH (60°-80°)	713.1	5.5	B2/1000		G2/1000
BVH (80°-90°)	12.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4
2.5°	2062.3	2088.0	2113.0	2065.2	2017.4	1969.6	1921.8	1879.1	1836.4	1793.0	1750.3
5°	2653.8	2606.7	2559.6	2494.9	2430.1	2365.4	2300.7	2270.5	2240.3	2210.2	2180.0
7.5°	2859.8	2775.9	2691.3	2633.9	2577.3	2519.9	2462.5	2372.0	2280.8	2190.3	2099.1
10°	2698.0	2608.9	2519.2	2469.1	2419.1	2369.1	2319.1	2206.5	2093.2	1980.6	1867.3
12.5°	2772.3	2675.9	2579.5	2476.5	2373.5	2270.5	2167.5	2081.4	1994.6	1908.5	1821.7
15°	2823.8	2713.4	2602.3	2484.6	2366.9	2249.2	2131.4	2029.9	1929.1	1827.6	1726.0
17.5°	3126.2	2968.0	2809.8	2628.8	2447.8	2266.8	2085.8	1968.1	1851.1	1733.4	1615.7
20°	3514.6	3290.2	3065.1	2820.1	2575.1	2330.1	2085.1	1938.7	1792.3	1645.8	1499.4
22.5°	3966.4	3686.1	3405.0	3102.6	2801.0	2498.6	2196.2	1985.8	1775.3	1564.9	1354.5
25°	4421.1	4168.0	3914.9	3508.0	3101.1	2693.5	2286.7	2019.6	1751.8	1484.7	1216.9
27.5°	5242.1	4789.7	4337.2	3819.2	3302.0	2784.0	2266.1	1960.0	1653.9	1347.1	1041.1
30°	5779.2	5431.2	5082.5	4398.3	3714.8	3030.5	2346.3	1958.5	1570.8	1182.3	794.6
32.5°	6421.5	5912.4	5402.5	4660.2	3917.8	3175.5	2433.1	1977.7	1521.5	1066.1	609.9
35°	7143.3	6589.3	6035.3	5095.0	4154.7	3213.7	2273.4	1832.0	1390.5	949.1	507.7
37.5°	8418.3	7491.3	6564.3	5468.0	4371.0	3274.8	2177.8	1737.1	1295.6	854.9	413.5
40°	9142.3	8257.2	7372.1	6002.2	4632.2	3262.3	1892.3	1500.9	1110.2	718.8	327.4
42.5°	10084.0	8961.3	7837.8	6306.8	4775.7	3244.6	1713.5	1351.6	989.6	626.9	264.9
45°	10642.5	9370.4	8098.3	6439.2	4780.1	3121.0	1461.9	1148.5	835.1	521.6	208.2
47.5°	10994.9	9719.1	8443.4	6662.1	4881.6	3100.4	1319.2	1030.8	742.4	454.0	165.5
50°	11173.7	9894.2	8614.0	6783.5	4953.0	3121.7	1291.2	1004.3	716.6	429.7	142.0
52.5°	11359.8	10126.0	8891.4	6993.9	5096.5	3199.0	1301.5	1008.7	716.6	423.8	131.0
55°	11735.8	10518.9	9301.2	7295.6	5290.0	3284.3	1278.7	990.3	701.9	412.8	124.3
57.5°	12197.8	10897.0	9595.5	7516.3	5437.1	3357.9	1278.7	988.8	699.0	408.3	118.5
60°	12110.3	10698.4	9285.8	7268.4	5251.0	3232.8	1215.4	939.5	664.4	388.5	112.6
62.5°	11509.2	9976.6	8443.4	6579.0	4713.9	2849.5	984.4	764.4	544.4	323.7	103.7
65°	10802.9	9176.1	7548.7	5832.9	4116.5	2400.7	684.2	537.1	389.2	242.1	94.2
67.5°	9952.4	8217.5	6482.6	4956.7	3431.5	1905.6	379.6	306.1	232.5	158.2	84.6
70°	8476.5	6685.7	4894.1	3721.4	2549.3	1376.6	203.8	172.2	140.5	108.9	77.3
72.5°	6363.4	4722.7	3082.0	2341.1	1601.0	860.1	119.2	107.4	94.9	83.1	70.6
75°	4329.8	3100.4	1871.0	1424.4	978.5	531.9	85.3	79.5	72.8	67.0	60.3
77.5°	2943.7	2129.2	1314.8	1003.5	692.3	381.1	69.9	66.2	62.5	58.1	54.4
80°	1837.9	1258.1	678.4	522.4	365.7	209.7	53.0	50.8	48.6	45.6	43.4
82.5°	1285.3	768.8	252.4	197.2	142.0	86.1	30.9	31.6	32.4	32.4	33.1
85°	539.3	291.4	43.4	36.8	30.2	23.5	16.9	18.4	20.6	22.1	23.5
87.5°	9.6	5.2	0.0	1.5	3.7	5.2	6.6	8.8	10.3	12.5	14.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	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°	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4
2.5°	1761.4	1772.4	1782.7	1793.7	1784.9	1776.8	1768.0	1759.2	1745.9	1733.4	1720.2
5°	2143.2	2106.4	2069.6	2032.8	1976.9	1921.0	1864.4	1808.4	1801.8	1795.2	1787.8
7.5°	2013.0	1926.9	1840.1	1754.0	1673.1	1592.1	1511.2	1430.3	1405.3	1381.0	1356.0
10°	1801.1	1734.9	1667.9	1601.7	1543.6	1484.7	1426.6	1367.7	1306.7	1245.6	1183.8
12.5°	1752.5	1683.4	1613.5	1544.3	1491.3	1438.4	1385.4	1332.4	1264.0	1195.6	1127.2
15°	1651.0	1576.0	1500.9	1425.9	1355.2	1284.6	1213.2	1142.6	1060.2	977.8	895.4
17.5°	1526.7	1438.4	1349.3	1260.3	1167.6	1074.9	982.2	889.5	794.6	700.4	605.5
20°	1378.8	1258.1	1136.7	1016.1	901.3	786.5	671.0	556.2	496.6	437.8	378.2
22.5°	1198.5	1041.8	885.8	729.1	634.9	540.0	445.9	350.9	325.2	299.4	273.7
25°	1039.6	862.3	685.0	507.7	448.1	388.5	328.9	269.3	257.5	245.0	233.2
27.5°	874.1	707.8	540.8	373.8	339.9	305.3	271.5	236.9	228.8	221.5	213.4
30°	670.3	545.9	420.8	296.5	274.4	252.4	229.6	207.5	203.8	199.4	195.7
32.5°	519.4	428.2	337.7	246.5	234.0	221.5	209.0	196.4	190.6	184.7	178.0
35°	434.1	361.2	287.7	214.1	205.3	195.7	186.9	177.3	171.4	164.8	158.9
37.5°	359.8	306.8	253.1	199.4	189.8	180.3	170.0	160.4	156.0	151.6	147.1
40°	296.5	265.6	234.7	203.8	189.8	175.8	161.9	147.9	144.2	140.5	136.8
42.5°	245.0	225.1	204.5	184.7	174.4	164.8	154.5	144.2	139.1	133.2	128.0
45°	197.9	186.9	176.6	165.5	166.3	167.0	167.0	167.7	154.5	140.5	127.3
47.5°	160.4	155.2	149.4	144.2	150.1	156.0	161.1	167.0	153.0	139.1	124.3
50°	137.6	133.9	129.5	125.1	131.0	137.6	143.5	149.4	143.5	138.3	132.4
52.5°	125.8	120.7	115.5	110.4	112.6	115.5	117.7	119.9	119.9	119.9	119.9
55°	118.5	113.3	107.4	101.5	99.3	96.4	94.2	91.2	87.6	84.6	80.9
57.5°	112.6	106.7	100.1	94.2	90.5	86.1	82.4	78.0	74.3	69.9	66.2
60°	106.7	100.8	94.2	88.3	84.6	80.9	76.5	72.8	68.4	64.7	60.3
62.5°	98.6	93.4	88.3	83.1	79.5	76.5	72.8	69.2	64.7	60.3	55.2
65°	89.8	86.1	81.7	77.3	73.6	69.9	66.2	62.5	58.1	54.4	50.0
67.5°	81.7	78.0	75.0	71.4	67.0	63.3	58.9	54.4	51.5	48.6	44.9
70°	75.0	72.1	69.9	67.0	62.5	58.9	54.4	50.0	47.8	44.9	42.7
72.5°	68.4	66.2	63.3	61.1	57.4	53.7	50.0	46.4	44.1	41.9	39.7
75°	58.9	57.4	55.9	54.4	50.8	47.1	42.7	39.0	38.3	37.5	36.8
77.5°	53.0	52.2	50.8	49.3	45.6	41.9	38.3	34.6	35.3	36.1	36.1
80°	43.4	43.4	42.7	42.7	39.7	36.8	33.1	30.2	31.6	33.8	35.3
82.5°	33.1	33.1	33.1	33.1	30.2	27.2	24.3	21.3	23.5	25.0	27.2
85°	22.8	22.1	21.3	20.6	18.4	16.9	14.7	12.5	15.5	17.7	20.6
87.5°	14.0	14.7	14.7	14.7	13.2	11.0	9.6	7.4	8.8	9.6	11.0
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: P368349  
 CATALOG NUMBER: MSA-SA4B-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: P368349  
 CATALOG NUMBER: MSA-SA4B-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4
2.5°	1706.9	1684.8	1662.8	1640.0	1617.9	1566.4	1514.9	1463.4	1411.9	1450.1	1487.7
5°	1781.2	1738.6	1695.1	1652.5	1609.1	1589.9	1571.5	1552.4	1533.3	1536.2	1539.9
7.5°	1331.0	1303.0	1275.0	1246.3	1218.4	1212.5	1207.3	1201.5	1195.6	1208.1	1219.9
10°	1122.7	1083.7	1044.0	1005.0	965.3	944.0	922.6	901.3	879.9	877.7	874.8
12.5°	1058.7	999.1	940.3	880.7	821.1	774.7	728.4	682.0	635.7	639.4	643.0
15°	813.0	753.4	694.5	634.9	575.3	537.8	499.6	462.0	423.8	412.8	401.7
17.5°	510.6	466.5	422.3	377.4	333.3	320.8	309.0	296.5	284.0	280.3	276.6
20°	318.6	299.4	280.3	260.5	241.3	238.4	235.4	232.5	229.6	231.8	234.0
22.5°	247.9	239.9	231.0	222.9	214.1	211.2	208.2	205.3	202.3	204.5	206.0
25°	220.7	214.8	209.0	203.1	197.2	194.2	190.6	187.6	183.9	185.4	187.6
27.5°	205.3	200.1	195.0	189.8	184.7	179.5	175.1	170.0	164.8	167.7	170.0
30°	191.3	185.4	180.3	174.4	168.5	163.3	158.2	152.3	147.1	150.1	153.0
32.5°	172.2	167.0	161.1	156.0	150.1	147.1	144.2	140.5	137.6	139.8	141.3
35°	152.3	147.9	144.2	139.8	135.4	132.4	130.2	127.3	124.3	125.1	126.5
37.5°	142.7	137.6	132.4	127.3	122.1	120.7	119.2	117.0	115.5	115.5	115.5
40°	133.2	128.0	122.9	117.0	111.8	109.6	107.4	105.2	103.0	103.0	103.0
42.5°	122.1	117.0	111.8	106.7	101.5	99.3	96.4	94.2	91.2	91.2	91.2
45°	113.3	108.2	103.7	98.6	93.4	89.8	86.1	81.7	78.0	77.3	76.5
47.5°	110.4	103.0	95.6	88.3	80.9	77.3	73.6	69.2	65.5	64.7	64.0
50°	126.5	111.8	97.1	82.4	67.7	64.7	61.8	58.9	55.9	54.4	53.7
52.5°	119.9	104.5	89.0	73.6	58.1	55.9	53.7	51.5	49.3	47.8	46.4
55°	77.3	70.6	64.7	58.1	51.5	50.0	48.6	46.4	44.9	43.4	41.9
57.5°	61.8	58.1	55.2	51.5	47.8	46.4	44.9	42.7	41.2	39.0	37.5
60°	55.9	53.0	50.0	47.1	44.1	42.7	41.2	39.7	38.3	36.1	34.6
62.5°	50.8	48.6	46.4	44.1	41.9	40.5	39.0	37.5	36.1	33.8	31.6
65°	45.6	44.1	42.7	41.2	39.7	38.3	36.8	34.6	33.1	30.9	28.7
67.5°	41.9	41.2	40.5	39.7	39.0	37.5	35.3	33.8	31.6	29.4	26.5
70°	39.7	39.7	39.7	39.0	39.0	37.5	35.3	33.8	31.6	28.7	26.5
72.5°	37.5	38.3	39.0	39.0	39.7	37.5	35.3	33.1	30.9	28.0	25.8
75°	36.1	36.8	37.5	37.5	38.3	36.8	35.3	33.1	31.6	28.7	25.8
77.5°	36.8	37.5	37.5	38.3	38.3	36.8	35.3	33.1	31.6	28.0	24.3
80°	36.8	36.1	35.3	33.8	33.1	30.2	27.2	23.5	20.6	16.2	12.5
82.5°	28.7	27.2	26.5	25.0	23.5	20.6	17.7	14.7	11.8	8.8	5.9
85°	22.8	21.3	20.6	19.1	17.7	15.5	12.5	10.3	7.4	5.9	3.7
87.5°	11.8	11.0	9.6	8.8	7.4	5.9	3.7	2.2	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: P368349  
 CATALOG NUMBER: MSA-SA4B-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: P368349  
 CATALOG NUMBER: MSA-SA4B-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°	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4
2.5°	1525.9	1563.4	1558.3	1553.1	1577.4	1601.7	1584.0	1567.1	1549.5	1531.8	1495.0
5°	1542.8	1545.8	1540.6	1534.8	1535.5	1536.2	1524.5	1512.7	1500.9	1489.1	1486.9
7.5°	1232.4	1244.1	1260.3	1275.8	1276.5	1276.5	1267.7	1258.9	1249.3	1240.5	1244.9
10°	872.6	869.6	874.1	878.5	877.7	876.3	899.8	923.4	946.2	969.7	952.8
12.5°	646.0	649.7	631.3	612.9	619.5	625.4	629.1	632.7	636.4	640.1	650.4
15°	390.7	379.6	366.4	353.2	359.8	365.7	372.3	378.2	384.8	390.7	397.3
17.5°	272.2	268.5	262.7	256.0	256.8	257.5	258.2	259.0	259.0	259.7	261.2
20°	236.2	238.4	234.0	228.8	227.3	225.1	223.7	222.2	220.0	218.5	216.3
22.5°	208.2	209.7	210.4	210.4	207.5	203.8	200.9	198.6	195.7	192.8	191.3
25°	189.1	190.6	189.1	186.9	185.4	183.9	182.5	180.3	178.8	176.6	175.8
27.5°	172.9	175.1	175.1	174.4	172.9	170.7	167.0	164.1	160.4	156.7	157.4
30°	156.0	158.9	158.9	158.2	157.4	156.7	153.0	149.4	145.7	142.0	143.5
32.5°	143.5	144.9	144.2	143.5	143.5	142.7	139.8	137.6	134.6	131.7	131.7
35°	127.3	128.0	128.0	128.0	128.0	127.3	125.1	122.9	120.7	118.5	119.2
37.5°	115.5	115.5	117.7	119.2	117.7	116.2	114.8	112.6	111.1	108.9	108.9
40°	102.3	102.3	104.5	105.9	104.5	103.0	102.3	100.8	100.1	98.6	98.6
42.5°	90.5	90.5	92.7	94.2	94.2	93.4	92.0	90.5	89.0	87.6	88.3
45°	75.8	75.0	78.7	81.7	80.2	78.7	78.7	78.0	78.0	77.3	78.0
47.5°	62.5	61.8	64.7	67.7	67.0	65.5	65.5	65.5	65.5	65.5	66.2
50°	52.2	50.8	53.7	55.9	55.2	53.7	53.7	54.4	54.4	54.4	55.2
52.5°	44.9	43.4	45.6	47.1	46.4	45.6	45.6	46.4	46.4	46.4	47.1
55°	39.7	38.3	40.5	41.9	41.2	39.7	40.5	40.5	41.2	41.2	41.2
57.5°	35.3	33.1	34.6	36.1	36.1	35.3	36.1	36.1	36.8	36.8	36.8
60°	32.4	30.2	31.6	32.4	32.4	31.6	32.4	32.4	33.1	33.1	33.1
62.5°	28.7	26.5	28.0	28.7	28.7	28.0	28.7	28.7	29.4	29.4	29.4
65°	25.8	23.5	24.3	25.0	25.0	25.0	25.8	25.8	26.5	26.5	26.5
67.5°	24.3	21.3	22.1	22.8	22.8	22.8	23.5	23.5	24.3	24.3	25.0
70°	23.5	20.6	21.3	21.3	22.1	22.1	22.1	22.8	22.8	22.8	22.8
72.5°	22.8	19.9	19.9	19.9	20.6	20.6	20.6	21.3	21.3	21.3	21.3
75°	22.8	19.9	19.1	18.4	19.1	19.1	19.1	19.9	19.9	19.9	19.9
77.5°	19.9	16.2	14.7	12.5	14.7	16.2	16.9	16.9	17.7	17.7	17.7
80°	8.1	3.7	2.2	0.0	0.7	1.5	2.2	2.9	3.7	4.4	5.2
82.5°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.2	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: P368349  
 CATALOG NUMBER: MSA-SA4B-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: P368349  
 CATALOG NUMBER: MSA-SA4B-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4
2.5°	1458.2	1421.4	1384.7	1402.3	1420.0	1437.6	1455.3	1453.8	1451.6	1450.1	1447.9
5°	1485.5	1483.3	1481.0	1470.7	1461.2	1450.9	1440.6	1438.4	1435.4	1433.2	1430.3
7.5°	1249.3	1253.0	1257.4	1245.6	1233.8	1222.1	1210.3	1180.1	1150.0	1119.1	1088.9
10°	935.9	918.2	901.3	899.8	898.3	896.9	895.4	892.5	889.5	885.8	882.9
12.5°	661.4	671.7	682.0	678.4	674.7	670.3	666.6	671.7	677.6	682.8	687.9
15°	403.2	409.8	415.7	428.9	442.2	455.4	468.7	473.8	479.7	484.9	490.0
17.5°	262.7	263.4	264.9	279.6	293.6	308.3	322.3	331.8	341.4	350.2	359.8
20°	214.1	211.9	209.7	217.8	225.9	234.0	242.1	250.9	259.7	268.5	277.4
22.5°	190.6	189.1	187.6	190.6	193.5	195.7	198.6	205.3	212.6	219.3	225.9
25°	175.1	173.6	172.9	174.4	175.8	177.3	178.8	182.5	186.1	189.8	193.5
27.5°	157.4	158.2	158.2	159.7	160.4	161.9	162.6	164.1	166.3	167.7	169.2
30°	144.2	145.7	146.4	147.9	148.6	150.1	150.8	150.1	149.4	148.6	147.9
32.5°	131.7	131.0	131.0	132.4	133.2	134.6	135.4	136.8	138.3	139.1	140.5
35°	119.2	119.9	119.9	119.9	120.7	120.7	120.7	122.1	124.3	125.8	127.3
37.5°	108.2	108.2	107.4	109.6	111.1	113.3	114.8	116.2	118.5	119.9	121.4
40°	98.6	98.6	98.6	100.1	101.5	102.3	103.7	107.4	111.1	114.8	118.5
42.5°	88.3	89.0	89.0	90.5	92.0	92.7	94.2	97.1	99.3	102.3	104.5
45°	78.7	79.5	80.2	81.7	82.4	83.9	84.6	86.1	86.8	88.3	89.0
47.5°	67.7	68.4	69.2	70.6	71.4	72.8	73.6	72.8	72.8	72.1	71.4
50°	56.7	57.4	58.1	60.3	61.8	64.0	65.5	64.0	62.5	60.3	58.9
52.5°	47.8	47.8	48.6	50.0	51.5	52.2	53.7	53.0	52.2	51.5	50.8
55°	41.2	41.2	41.2	41.9	42.7	43.4	44.1	44.9	44.9	45.6	45.6
57.5°	36.8	36.1	36.1	36.8	37.5	37.5	38.3	39.0	39.0	39.7	39.7
60°	33.1	32.4	32.4	33.1	33.8	34.6	35.3	35.3	35.3	34.6	34.6
62.5°	29.4	29.4	29.4	30.2	30.2	30.9	30.9	30.9	31.6	31.6	31.6
65°	27.2	27.2	27.2	27.2	27.2	26.5	26.5	27.2	27.2	28.0	28.0
67.5°	25.0	25.8	25.8	25.0	24.3	23.5	22.8	23.5	23.5	24.3	24.3
70°	22.8	22.8	22.8	22.1	21.3	20.6	19.9	19.9	19.9	19.1	19.1
72.5°	21.3	20.6	20.6	19.9	18.4	17.7	16.2	15.5	15.5	14.7	14.0
75°	19.9	19.1	19.1	17.7	16.2	14.7	13.2	12.5	11.0	10.3	8.8
77.5°	17.7	17.7	17.7	15.5	14.0	11.8	9.6	8.1	6.6	4.4	2.9
80°	5.9	6.6	7.4	6.6	6.6	5.9	5.2	3.7	2.9	1.5	0.0
82.5°	0.7	0.7	0.7	0.7	0.7	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: P368349  
 CATALOG NUMBER: MSA-SA4B-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: P368349  
 CATALOG NUMBER: MSA-SA4B-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°	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4
2.5°	1456.0	1464.1	1472.2	1480.3	1481.0	1481.8	1482.5	1483.3	1464.9	1445.7	1427.3
5°	1445.0	1460.4	1475.2	1489.9	1481.8	1473.7	1465.6	1457.5	1456.8	1456.8	1456.0
7.5°	1091.1	1092.6	1094.8	1096.3	1099.2	1102.1	1104.3	1107.3	1119.1	1130.8	1141.9
10°	873.3	863.8	853.5	843.9	836.5	828.4	821.1	813.0	818.9	825.5	831.4
12.5°	679.8	671.7	662.9	654.8	651.9	648.9	645.2	642.3	661.4	680.6	699.0
15°	488.5	487.1	484.9	483.4	492.9	502.5	512.1	521.6	537.8	553.3	569.5
17.5°	363.5	367.1	370.8	374.5	380.4	386.3	391.4	397.3	409.1	421.6	433.4
20°	281.8	286.9	291.4	295.8	294.3	292.8	290.6	289.1	298.7	308.3	317.1
22.5°	230.3	234.0	238.4	242.1	242.8	243.5	244.3	245.0	250.9	256.0	261.9
25°	197.2	201.6	205.3	209.0	209.7	210.4	211.2	211.9	219.3	226.6	233.2
27.5°	174.4	178.8	183.9	188.3	189.8	191.3	192.8	194.2	198.6	202.3	206.7
30°	153.8	159.7	165.5	171.4	173.6	175.8	178.0	180.3	184.7	189.8	194.2
32.5°	143.5	147.1	150.1	153.0	158.2	162.6	167.7	172.2	177.3	183.2	188.3
35°	131.7	135.4	139.8	143.5	147.1	150.8	153.8	157.4	160.4	163.3	165.5
37.5°	124.3	128.0	131.0	133.9	135.4	136.8	137.6	139.1	140.5	142.0	142.7
40°	118.5	117.7	117.7	117.0	118.5	120.7	122.1	123.6	128.0	131.7	136.1
42.5°	103.0	100.8	99.3	97.1	100.8	103.7	107.4	110.4	116.2	122.1	128.0
45°	87.6	86.1	83.9	82.4	87.6	92.7	97.9	103.0	109.6	115.5	122.1
47.5°	72.1	72.8	72.8	73.6	78.7	83.9	88.3	93.4	100.1	106.7	113.3
50°	60.3	61.8	63.3	64.7	69.9	74.3	79.5	83.9	91.2	97.9	105.2
52.5°	53.0	55.2	56.7	58.9	63.3	68.4	72.8	77.3	83.9	90.5	97.1
55°	47.8	50.8	53.0	55.2	58.9	62.5	66.2	69.9	76.5	83.1	89.0
57.5°	41.9	44.1	46.4	48.6	52.2	55.9	58.9	62.5	68.4	75.0	80.9
60°	36.8	38.3	40.5	41.9	44.9	48.6	51.5	54.4	60.3	66.2	71.4
62.5°	32.4	33.8	34.6	35.3	38.3	41.2	44.1	47.1	52.2	58.1	63.3
65°	28.7	29.4	29.4	30.2	32.4	35.3	37.5	39.7	45.6	50.8	56.7
67.5°	24.3	25.0	25.0	25.0	27.2	29.4	31.6	33.8	39.0	44.9	50.0
70°	19.1	19.9	19.9	19.9	22.1	25.0	27.2	29.4	33.8	38.3	42.7
72.5°	14.7	14.7	15.5	15.5	17.7	20.6	22.8	25.0	28.7	32.4	36.1
75°	9.6	10.3	10.3	11.0	13.2	16.2	18.4	20.6	24.3	28.0	30.9
77.5°	3.7	5.2	5.9	6.6	8.8	11.0	13.2	15.5	18.4	22.1	25.0
80°	0.0	0.7	0.7	0.7	2.2	2.9	4.4	5.2	7.4	10.3	12.5
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: P368349  
 CATALOG NUMBER: MSA-SA4B-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: P368349  
 CATALOG NUMBER: MSA-SA4B-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4
2.5°	1408.2	1448.7	1489.1	1529.6	1570.1	1620.1	1670.1	1677.5	1684.8	1676.0	1667.9
5°	1455.3	1475.2	1494.3	1514.2	1533.3	1590.7	1647.3	1648.1	1648.1	1648.8	1648.8
7.5°	1153.6	1170.6	1187.5	1203.7	1220.6	1258.1	1295.6	1309.6	1322.9	1319.9	1317.0
10°	837.3	859.3	880.7	902.8	924.1	958.7	993.2	1006.5	1019.0	1059.5	1100.7
12.5°	718.1	739.4	760.8	781.4	802.7	838.0	873.3	899.1	924.1	949.1	974.1
15°	584.9	601.8	619.5	636.4	653.3	669.5	685.7	717.3	748.2	773.3	798.3
17.5°	445.1	452.5	459.1	466.5	473.1	480.4	487.8	501.0	513.5	535.6	557.0
20°	326.7	332.6	338.4	343.6	349.5	356.8	364.2	373.8	382.6	387.7	392.1
22.5°	267.1	275.9	284.7	292.8	301.7	306.8	312.0	314.9	317.8	320.0	322.3
25°	240.6	248.7	256.0	264.1	271.5	273.7	275.9	281.8	287.7	287.7	287.7
27.5°	210.4	221.5	233.2	244.3	255.3	258.2	260.5	262.7	264.1	261.2	257.5
30°	198.6	209.7	220.7	231.0	242.1	246.5	250.2	252.4	254.6	250.9	247.2
32.5°	193.5	203.8	213.4	223.7	233.2	239.1	244.3	250.2	255.3	256.0	257.5
35°	168.5	175.1	182.5	189.1	195.7	198.6	201.6	203.8	205.3	205.3	205.3
37.5°	144.2	153.0	162.6	171.4	180.3	186.9	193.5	194.2	194.2	195.7	197.9
40°	139.8	148.6	157.4	165.5	174.4	181.7	188.3	189.1	189.8	191.3	192.8
42.5°	133.9	143.5	153.0	162.6	172.2	179.5	186.1	186.1	185.4	187.6	189.1
45°	128.0	137.6	146.4	156.0	164.8	174.4	183.2	181.0	178.0	181.7	184.7
47.5°	119.9	130.2	140.5	150.1	160.4	169.2	177.3	175.8	173.6	177.3	181.0
50°	111.8	122.1	132.4	142.7	153.0	162.6	171.4	170.0	168.5	172.9	176.6
52.5°	103.7	114.0	125.1	135.4	145.7	153.8	161.1	160.4	159.7	164.1	169.2
55°	95.6	105.2	115.5	125.1	134.6	143.5	151.6	150.1	148.6	152.3	156.0
57.5°	86.8	96.4	105.2	114.8	123.6	131.0	137.6	135.4	133.2	137.6	142.0
60°	77.3	86.1	94.9	103.0	111.8	117.7	122.9	121.4	119.2	123.6	128.0
62.5°	68.4	76.5	84.6	92.0	100.1	104.5	108.9	107.4	105.9	110.4	115.5
65°	61.8	68.4	74.3	80.9	86.8	91.2	95.6	93.4	91.2	96.4	100.8
67.5°	55.2	60.3	66.2	71.4	76.5	80.2	83.9	82.4	80.2	83.9	87.6
70°	47.1	52.2	57.4	61.8	67.0	70.6	74.3	72.1	69.2	72.8	76.5
72.5°	39.7	44.1	48.6	52.2	56.7	59.6	62.5	60.3	58.1	61.1	64.0
75°	34.6	38.3	41.9	44.9	48.6	50.0	51.5	50.8	49.3	52.2	54.4
77.5°	28.0	30.9	34.6	37.5	40.5	40.5	40.5	41.2	41.2	44.1	47.8
80°	14.7	17.7	20.6	22.8	25.8	25.8	25.0	26.5	27.2	30.9	34.6
82.5°	0.0	2.2	4.4	6.6	8.8	8.1	6.6	7.4	7.4	8.8	10.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5
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: P368349  
 CATALOG NUMBER: MSA-SA4B-730-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: P368349

CATALOG NUMBER: MSA-SA4B-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°	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4
2.5°	1659.1	1650.3	1644.4	1639.2	1633.3	1627.5	1634.8	1642.2	1648.8	1656.2	1678.2
5°	1649.5	1649.5	1644.4	1639.2	1634.1	1628.9	1640.0	1650.3	1661.3	1671.6	1670.9
7.5°	1313.3	1310.4	1341.3	1371.4	1402.3	1432.5	1440.6	1448.7	1456.0	1464.1	1461.9
10°	1141.1	1181.6	1194.8	1208.1	1221.3	1234.6	1250.8	1266.9	1283.1	1299.3	1305.2
12.5°	999.1	1024.1	1066.8	1108.8	1151.4	1193.4	1214.7	1236.8	1258.1	1279.5	1321.4
15°	823.3	848.3	885.1	921.9	958.7	995.5	1029.3	1063.9	1097.7	1131.6	1182.3
17.5°	579.0	600.4	628.3	656.3	683.5	711.5	763.7	815.9	868.2	920.4	974.1
20°	397.3	401.7	415.0	428.9	442.2	455.4	502.5	550.3	597.4	644.5	715.1
22.5°	323.7	325.9	332.6	339.2	345.1	351.7	376.0	401.0	425.3	449.5	506.9
25°	286.9	286.9	291.4	295.8	300.2	304.6	317.8	331.1	343.6	356.8	393.6
27.5°	254.6	250.9	257.5	264.1	270.8	277.4	286.9	297.2	306.8	316.4	341.4
30°	243.5	239.9	247.9	256.0	264.1	272.2	281.8	291.4	300.2	309.7	326.7
32.5°	258.2	259.0	261.9	264.9	267.1	270.0	274.4	279.6	284.0	288.4	303.1
35°	205.3	205.3	210.4	215.6	220.0	225.1	233.2	241.3	249.4	257.5	273.0
37.5°	199.4	200.9	205.3	210.4	214.8	219.3	229.6	240.6	250.9	261.2	273.7
40°	193.5	195.0	200.9	206.7	212.6	218.5	228.8	238.4	248.7	258.2	270.0
42.5°	191.3	192.8	200.1	208.2	215.6	222.9	231.8	240.6	248.7	257.5	273.7
45°	188.3	191.3	200.1	209.7	218.5	227.3	235.4	243.5	251.6	259.7	279.6
47.5°	183.9	187.6	197.9	207.5	217.8	227.3	242.8	259.0	274.4	289.9	299.4
50°	181.0	184.7	195.7	206.7	217.8	228.8	253.8	278.8	303.1	328.1	323.0
52.5°	173.6	178.0	192.0	206.0	220.0	234.0	256.0	278.1	300.2	322.3	312.0
55°	159.7	163.3	179.5	195.7	211.2	227.3	243.5	259.7	275.2	291.4	279.6
57.5°	145.7	150.1	165.5	181.0	195.7	211.2	219.3	227.3	235.4	243.5	239.1
60°	132.4	136.8	157.4	178.0	198.6	219.3	211.9	204.5	196.4	189.1	194.2
62.5°	119.9	124.3	144.2	163.3	183.2	202.3	192.0	181.7	171.4	161.1	169.2
65°	105.9	110.4	117.7	125.8	133.2	140.5	139.8	138.3	137.6	136.1	144.9
67.5°	91.2	94.9	98.6	103.0	106.7	110.4	112.6	115.5	117.7	119.9	127.3
70°	79.5	83.1	87.6	91.2	95.6	99.3	100.8	102.3	103.0	104.5	111.1
72.5°	66.2	69.2	75.0	80.9	86.1	92.0	92.7	92.7	93.4	93.4	98.6
75°	57.4	59.6	64.0	68.4	72.1	76.5	78.7	80.9	82.4	84.6	87.6
77.5°	50.8	53.7	55.2	55.9	57.4	58.1	59.6	61.1	62.5	64.0	64.7
80°	37.5	41.2	42.7	43.4	44.9	45.6	45.6	44.9	44.9	44.1	44.9
82.5°	11.8	13.2	15.5	17.7	19.9	22.1	22.8	23.5	23.5	24.3	23.5
85°	2.2	2.9	4.4	5.9	6.6	8.1	7.4	5.9	5.2	3.7	2.9
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: P368349  
 CATALOG NUMBER: MSA-SA4B-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: P368349

CATALOG NUMBER: MSA-SA4B-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4
2.5°	1700.3	1721.6	1743.7	1734.9	1726.0	1717.2	1708.4	1709.9	1712.1	1713.5	1715.0
5°	1670.1	1668.7	1667.9	1692.9	1718.7	1743.7	1768.7	1795.9	1823.9	1851.1	1878.3
7.5°	1459.7	1456.8	1454.6	1486.9	1519.3	1551.7	1584.0	1621.6	1659.8	1697.4	1734.9
10°	1311.1	1317.0	1322.9	1336.1	1350.1	1363.3	1376.6	1412.6	1448.7	1484.0	1520.0
12.5°	1363.3	1404.5	1446.5	1454.6	1461.9	1470.0	1477.4	1482.5	1487.7	1492.8	1498.0
15°	1233.8	1284.6	1335.4	1356.7	1377.3	1398.6	1419.2	1473.7	1527.4	1581.8	1635.5
17.5°	1027.8	1080.8	1134.5	1198.5	1262.5	1326.5	1390.5	1449.4	1508.3	1567.1	1626.0
20°	786.5	857.1	927.8	1008.7	1090.4	1171.3	1252.2	1311.1	1369.2	1428.1	1486.2
22.5°	565.0	622.4	679.8	777.7	874.8	972.6	1069.8	1172.0	1275.0	1377.3	1479.6
25°	430.4	466.5	503.2	599.6	696.0	791.7	888.0	1028.6	1169.1	1309.6	1450.1
27.5°	365.7	390.7	415.0	501.8	588.6	674.7	761.5	928.5	1095.5	1262.5	1429.5
30°	344.3	361.2	378.2	451.7	526.1	599.6	673.2	842.4	1011.6	1180.9	1350.1
32.5°	317.8	331.8	346.5	411.3	476.0	540.0	604.8	770.3	935.9	1100.7	1266.2
35°	287.7	303.1	317.8	382.6	447.3	511.3	576.1	747.5	918.9	1090.4	1261.8
37.5°	285.5	298.0	309.7	384.8	460.6	535.6	610.7	782.1	953.5	1124.2	1295.6
40°	282.5	294.3	306.1	382.6	458.4	534.9	610.7	790.2	969.7	1149.2	1328.7
42.5°	289.9	305.3	321.5	389.2	456.9	523.8	591.5	780.6	969.7	1158.1	1347.1
45°	300.2	320.0	339.9	401.7	463.5	525.3	587.1	792.4	997.7	1202.2	1407.5
47.5°	309.7	319.3	328.9	387.7	445.9	504.7	562.8	772.5	982.2	1191.9	1401.6
50°	318.6	313.4	308.3	373.0	437.8	501.8	566.5	766.6	966.0	1166.1	1365.5
52.5°	300.9	290.6	279.6	348.7	417.9	486.3	555.5	757.1	958.7	1160.3	1361.9
55°	267.8	256.0	244.3	312.7	380.4	448.8	516.5	717.3	918.2	1119.1	1319.9
57.5°	234.0	229.6	224.4	276.6	328.9	380.4	432.6	655.5	879.2	1102.1	1325.1
60°	199.4	203.8	209.0	246.5	284.0	320.8	358.3	576.8	794.6	1013.1	1230.9
62.5°	176.6	184.7	192.0	223.7	256.0	287.7	319.3	525.3	731.3	937.3	1143.3
65°	154.5	163.3	172.2	209.7	247.9	285.5	323.0	497.4	671.7	846.1	1020.5
67.5°	134.6	141.3	148.6	197.9	247.2	296.5	345.8	488.5	630.5	773.3	915.3
70°	117.7	123.6	130.2	187.6	245.0	302.4	359.8	481.2	603.3	724.7	846.1
72.5°	103.7	108.9	114.0	172.2	230.3	288.4	346.5	454.7	562.1	670.3	777.7
75°	90.5	92.7	95.6	144.9	193.5	242.8	291.4	363.5	436.3	508.4	580.5
77.5°	65.5	65.5	66.2	80.9	94.9	109.6	123.6	168.5	213.4	257.5	302.4
80°	44.9	45.6	45.6	51.5	56.7	62.5	67.7	77.3	86.1	95.6	104.5
82.5°	22.8	21.3	20.6	26.5	32.4	38.3	44.1	46.4	47.8	50.0	51.5
85°	2.2	0.7	0.0	3.7	7.4	11.0	14.7	17.7	20.6	23.5	26.5
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: P368349  
 CATALOG NUMBER: MSA-SA4B-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: P368349

CATALOG NUMBER: MSA-SA4B-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°	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4
2.5°	1709.1	1703.2	1697.4	1691.5	1727.5	1764.3	1800.4	1836.4	1938.7	2005.6	1998.3
5°	1904.8	1931.3	1957.8	1984.3	2027.0	2070.4	2113.0	2155.7	2307.3	2400.0	2413.2
7.5°	1776.1	1816.5	1857.7	1898.2	1980.6	2062.3	2144.7	2226.3	2350.7	2447.1	2501.5
10°	1566.4	1612.7	1658.4	1704.7	1797.4	1890.9	1983.6	2076.3	2216.0	2349.2	2417.6
12.5°	1570.8	1643.6	1716.5	1789.3	1870.3	1951.2	2031.4	2112.3	2197.7	2242.5	2338.9
15°	1692.9	1750.3	1807.7	1865.1	1971.0	2077.0	2182.2	2288.2	2338.9	2447.1	2559.6
17.5°	1737.8	1850.4	1962.2	2074.1	2206.5	2338.2	2470.6	2602.3	2698.0	2848.0	2964.3
20°	1654.7	1823.2	1990.9	2159.4	2341.1	2522.9	2704.6	2886.3	2990.8	3133.5	3313.0
22.5°	1658.4	1837.1	2015.2	2194.0	2444.9	2695.0	2945.9	3196.1	3476.4	3751.5	3839.1
25°	1684.1	1918.1	2151.3	2385.3	2675.1	2965.0	3254.9	3544.8	3883.2	4172.4	4288.6
27.5°	1692.9	1956.3	2219.0	2482.4	2894.4	3306.4	3718.4	4130.4	4534.4	4861.0	4985.4
30°	1671.6	1993.9	2315.4	2636.9	3142.3	3647.8	4153.3	4658.7	5042.0	5422.4	5576.9
32.5°	1676.8	2087.3	2497.8	2908.4	3503.6	4099.5	4694.8	5290.0	5535.0	5877.8	6150.0
35°	1712.1	2162.3	2611.9	3062.1	3720.6	4379.1	5037.6	5696.1	6097.8	6459.8	6690.8
37.5°	1794.5	2293.3	2791.4	3290.2	4099.5	4909.6	5718.9	6528.2	7149.9	7771.6	7877.6
40°	1855.5	2382.3	2909.1	3435.9	4375.4	5315.0	6254.5	7194.1	7897.4	8572.1	8644.2
42.5°	1924.7	2501.5	3079.1	3655.9	4706.5	5757.2	6807.8	7858.4	8672.9	9360.8	9408.6
45°	2000.5	2594.2	3187.2	3780.2	4880.9	5980.8	7081.5	8181.4	9132.7	9931.8	9751.5
47.5°	2036.5	2671.5	3306.4	3941.4	5121.5	6300.9	7481.0	8660.4	9513.9	10218.7	10008.3
50°	2064.5	2762.7	3461.7	4159.9	5397.4	6634.9	7872.4	9109.9	9965.6	10616.0	10286.4
52.5°	2143.2	2923.8	3705.2	4485.8	5802.0	7117.5	8433.8	9749.3	10577.0	11174.4	10712.4
55°	2219.7	3118.8	4018.6	4917.7	6333.2	7749.5	9165.1	10580.7	11404.7	11916.8	11289.2
57.5°	2316.1	3307.9	4298.9	5290.0	6804.1	8318.3	9831.7	11345.8	12151.5	12717.3	12065.4
60°	2291.1	3350.6	4410.8	5470.2	7012.3	8554.4	10096.6	11638.7	12595.9	13291.1	12849.0
62.5°	2194.0	3244.6	4294.5	5345.1	6860.0	8374.2	9889.1	11403.2	12550.2	13492.0	13343.4
65°	1997.5	2973.9	3950.9	4927.2	6373.7	7820.9	9267.4	10713.8	12129.4	13327.9	13380.9
67.5°	1739.3	2563.3	3386.6	4210.6	5560.0	6909.3	8257.9	9607.3	11278.2	12676.1	12833.5
70°	1465.6	2084.4	2703.8	3322.6	4510.1	5697.6	6884.3	8071.8	9808.9	11215.6	11512.9
72.5°	1175.0	1573.0	1970.3	2367.6	3224.7	4081.1	4938.3	5794.7	7322.8	8414.7	8933.4
75°	761.5	942.5	1123.5	1304.5	1875.4	2445.6	3016.5	3586.7	4601.3	5405.5	5991.9
77.5°	339.2	376.0	412.0	448.8	889.5	1330.2	1770.9	2211.6	2652.3	3137.9	3275.5
80°	121.4	137.6	154.5	170.7	387.0	604.0	820.3	1036.7	1250.0	1500.9	1562.0
82.5°	50.8	50.8	50.0	49.3	126.5	203.8	281.1	358.3	414.2	476.0	487.8
85°	20.6	15.5	9.6	3.7	16.2	29.4	41.9	54.4	87.6	79.5	147.1
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: P368349  
 CATALOG NUMBER: MSA-SA4B-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: P368349

CATALOG NUMBER: MSA-SA4B-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4
2.5°	1970.3	1968.8	1967.4	1965.9	1964.4	1937.9	1912.2	1885.7	1860.0	1892.3	1924.7
5°	2391.9	2430.1	2468.4	2507.4	2545.7	2556.7	2567.7	2578.8	2589.8	2613.3	2636.9
7.5°	2547.1	2611.9	2675.9	2740.6	2804.6	2864.2	2923.1	2982.7	3042.3	3027.6	3012.9
10°	2493.4	2610.4	2727.4	2845.1	2962.1	2987.8	3013.6	3040.1	3065.8	3132.8	3199.7
12.5°	2435.3	2575.8	2716.4	2856.9	2997.4	3075.4	3152.6	3230.6	3308.6	3376.3	3444.0
15°	2711.2	2801.0	2890.7	2981.2	3071.0	3139.4	3207.1	3275.5	3343.2	3390.3	3436.6
17.5°	3073.9	3118.1	3162.2	3207.1	3251.2	3304.9	3358.7	3412.4	3466.1	3494.0	3522.0
20°	3457.2	3476.4	3495.5	3514.6	3533.8	3491.1	3448.4	3405.7	3363.1	3389.6	3415.3
22.5°	3842.0	3848.7	3856.0	3862.6	3869.3	3769.9	3670.6	3571.3	3472.0	3430.0	3388.1
25°	4434.3	4385.7	4337.2	4288.6	4240.1	4122.4	4004.6	3886.9	3769.2	3665.5	3561.7
27.5°	5075.9	4911.1	4747.0	4582.2	4418.1	4300.4	4182.7	4065.0	3947.2	3791.3	3635.3
30°	5722.6	5457.0	5192.1	4926.5	4661.6	4521.9	4382.1	4241.5	4101.7	3945.8	3790.5
32.5°	6315.6	5996.3	5677.0	5356.9	5037.6	4802.2	4566.7	4331.3	4095.9	3987.0	3878.1
35°	6807.1	6429.6	6052.2	5674.0	5296.6	5063.4	4830.1	4596.9	4363.7	4201.8	4040.7
37.5°	7647.3	7222.8	6798.2	6373.7	5949.2	5630.6	5312.8	4994.2	4675.6	4567.5	4459.3
40°	8422.0	7887.1	7352.2	6817.4	6282.5	6015.4	5749.1	5482.0	5215.7	5038.3	4861.8
42.5°	9037.8	8474.3	7911.4	7347.8	6784.3	6520.1	6256.7	5992.6	5728.5	5610.0	5492.3
45°	9171.0	8639.8	8109.3	7578.1	7046.9	6893.1	6740.1	6586.3	6433.3	6351.6	6270.7
47.5°	9433.7	8857.6	8282.2	7706.1	7130.1	7060.9	6991.7	6921.8	6852.7	6891.7	6930.7
50°	9580.8	8992.9	8405.1	7817.2	7229.4	7249.2	7268.4	7288.2	7308.1	7584.7	7860.6
52.5°	9866.3	9272.5	8678.8	8085.0	7491.3	7616.4	7740.7	7865.8	7990.1	8371.2	8751.6
55°	10376.1	9792.7	9209.3	8625.1	8041.6	8206.4	8371.2	8536.8	8701.6	9106.3	9510.2
57.5°	11131.7	10552.7	9974.4	9395.4	8817.1	8981.2	9145.2	9309.3	9473.4	9839.0	10204.0
60°	12083.1	11488.6	10894.8	10300.4	9706.6	9768.4	9829.5	9891.3	9953.1	10346.0	10738.1
62.5°	12823.9	12277.3	11731.4	11184.7	10638.8	10570.4	10502.7	10434.3	10366.6	10665.3	10963.3
65°	12996.1	12611.3	12227.3	11842.5	11457.7	11247.3	11037.6	10827.1	10616.7	10737.4	10858.0
67.5°	12503.2	12243.4	11984.5	11724.7	11465.0	11025.8	10586.6	10146.6	9707.4	9643.3	9579.3
70°	11359.1	11217.1	11075.8	10933.8	10792.6	10115.7	9439.5	8762.7	8086.5	7923.9	7761.3
72.5°	8963.5	9051.8	9140.1	9229.1	9317.4	8592.7	7868.7	7144.0	6419.3	6213.3	6008.1
75°	6320.7	6620.2	6919.6	7219.1	7518.5	6857.8	6197.9	5537.2	4876.5	4678.6	4481.4
77.5°	3427.1	3988.4	4549.8	5111.2	5672.6	5127.4	4582.9	4037.7	3492.6	3355.0	3218.1
80°	1624.5	1948.2	2271.2	2595.0	2918.7	2795.8	2672.9	2549.3	2426.5	2456.6	2486.8
82.5°	498.1	732.1	966.0	1200.0	1434.0	1452.4	1470.0	1488.4	1506.8	1552.4	1597.3
85°	167.0	228.8	290.6	352.4	414.2	523.1	632.0	741.6	850.5	779.9	710.0
87.5°	0.0	2.2	3.7	5.9	7.4	22.8	38.3	53.7	69.2	59.6	50.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368349  
 CATALOG NUMBER: MSA-SA4B-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: P368349

CATALOG NUMBER: MSA-SA4B-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°	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4
2.5°	1957.8	1990.2	1990.9	1992.4	1993.1	1993.9	1997.5	2001.2	2005.6	2009.3	1985.0
5°	2661.2	2684.7	2641.3	2597.9	2553.8	2510.3	2549.3	2588.3	2627.3	2666.3	2649.4
7.5°	2997.4	2982.7	2977.5	2973.1	2968.0	2963.6	2978.3	2993.0	3007.7	3022.4	3020.9
10°	3266.7	3333.6	3349.8	3366.0	3382.9	3399.1	3365.3	3331.4	3297.6	3263.7	3249.8
12.5°	3511.7	3579.4	3633.1	3686.8	3741.2	3794.9	3746.4	3698.6	3650.0	3602.2	3556.6
15°	3483.7	3530.1	3574.2	3618.4	3662.5	3706.7	3690.5	3675.0	3658.8	3642.6	3635.3
17.5°	3550.7	3578.6	3568.3	3558.0	3547.0	3536.7	3531.6	3527.1	3522.0	3516.8	3499.2
20°	3441.8	3468.3	3461.7	3455.8	3449.1	3442.5	3438.1	3433.7	3429.3	3424.9	3410.9
22.5°	3346.1	3304.2	3293.2	3282.9	3271.8	3261.5	3263.0	3264.5	3265.2	3266.7	3330.0
25°	3458.0	3354.2	3313.8	3273.3	3232.1	3191.6	3210.0	3227.7	3246.1	3264.5	3355.7
27.5°	3478.6	3322.6	3257.9	3193.1	3128.4	3063.6	3129.8	3196.1	3262.3	3328.5	3476.4
30°	3634.6	3479.3	3388.8	3299.1	3208.6	3118.8	3203.4	3288.0	3372.6	3457.2	3617.6
32.5°	3768.5	3659.6	3594.8	3530.1	3465.3	3400.6	3404.3	3407.2	3410.9	3414.6	3640.4
35°	3878.8	3717.7	3658.8	3600.7	3541.9	3483.7	3571.3	3658.8	3746.4	3833.9	4037.0
37.5°	4351.2	4243.0	4134.9	4027.4	3919.3	3811.9	3881.8	3951.7	4022.3	4092.2	4316.6
40°	4684.5	4507.9	4479.9	4452.7	4424.7	4397.5	4433.6	4468.9	4504.9	4541.0	4737.4
42.5°	5373.8	5255.4	5179.6	5104.6	5028.8	4953.7	4982.4	5011.1	5040.6	5069.2	5255.4
45°	6189.0	6107.4	6057.3	6007.3	5956.5	5906.5	5863.1	5820.4	5777.0	5734.4	5923.4
47.5°	6969.7	7008.7	7119.0	7228.6	7339.0	7448.6	7358.9	7269.1	7178.6	7088.9	7089.6
50°	8137.3	8413.2	8469.1	8524.3	8580.2	8635.4	8444.1	8252.8	8060.8	7869.5	7846.7
52.5°	9132.7	9513.1	9533.0	9552.8	9573.4	9593.3	9516.1	9438.8	9360.8	9283.6	9078.3
55°	9914.8	10318.8	10346.0	10372.5	10399.7	10426.2	10358.5	10291.5	10223.8	10156.2	9948.7
57.5°	10569.6	10934.6	10950.8	10966.2	10982.4	10998.6	11003.7	11008.9	11014.8	11019.9	10739.6
60°	11131.0	11523.9	11491.5	11459.9	11427.5	11395.9	11347.3	11298.8	11250.2	11201.6	11020.6
62.5°	11262.0	11560.7	11510.6	11461.4	11411.3	11362.0	11320.8	11280.4	11239.2	11198.0	11082.4
65°	10978.7	11099.4	11047.9	10996.4	10944.1	10892.6	10866.1	10840.4	10813.9	10787.4	10772.7
67.5°	9514.6	9450.6	9511.6	9572.7	9633.8	9694.8	9778.0	9861.1	9945.0	10028.1	9979.6
70°	7598.0	7435.4	7503.1	7570.0	7637.7	7704.7	7830.5	7956.3	8082.8	8208.6	8174.8
72.5°	5802.0	5596.0	5605.6	5615.2	5625.5	5635.0	5631.4	5628.4	5624.7	5621.1	5679.9
75°	4283.5	4085.6	3992.1	3898.7	3805.2	3711.8	3689.0	3666.2	3643.4	3620.6	3730.2
77.5°	3080.5	2943.7	2879.7	2816.4	2752.4	2689.1	2721.5	2753.9	2787.0	2819.4	2857.6
80°	2517.7	2547.9	2498.6	2450.0	2400.7	2351.4	2388.2	2424.3	2461.0	2497.8	2383.8
82.5°	1642.9	1687.8	1536.2	1384.7	1233.1	1081.5	1173.5	1265.5	1358.2	1450.1	1403.1
85°	639.4	569.5	485.6	402.4	318.6	234.7	305.3	376.0	446.6	517.2	564.3
87.5°	41.2	32.4	25.8	19.1	11.8	5.2	11.0	16.9	23.5	29.4	49.3
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: P368349  
 CATALOG NUMBER: MSA-SA4B-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: P368349

CATALOG NUMBER: MSA-SA4B-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4	1555.4
2.5°	1961.5	1937.2	1913.7	1867.3	1821.0	1774.6	1728.3	1793.0	1857.7	1922.5	1987.2
5°	2633.2	2616.3	2600.1	2604.5	2608.9	2614.1	2618.5	2628.1	2637.6	2646.5	2656.0
7.5°	3020.2	3018.7	3017.3	2983.4	2949.6	2915.0	2881.2	2898.1	2915.0	2931.9	2948.8
10°	3236.5	3222.5	3208.6	3134.3	3059.9	2984.9	2910.6	2878.2	2845.1	2812.7	2780.4
12.5°	3511.0	3464.6	3419.0	3339.5	3260.8	3181.3	3101.9	3072.4	3042.3	3012.9	2982.7
15°	3628.7	3621.3	3614.7	3558.0	3500.7	3444.0	3386.6	3285.8	3184.3	3083.5	2982.7
17.5°	3481.5	3463.1	3445.5	3535.2	3624.3	3714.0	3803.8	3699.3	3594.8	3490.3	3385.9
20°	3396.9	3382.9	3369.0	3536.0	3702.2	3869.3	4035.5	3989.2	3942.1	3895.7	3849.4
22.5°	3393.2	3457.2	3520.5	3666.9	3812.6	3959.0	4104.7	4184.9	4265.8	4346.0	4426.2
25°	3446.9	3538.9	3630.1	3872.9	4115.7	4359.3	4602.1	4694.0	4785.3	4877.2	4968.5
27.5°	3623.5	3771.4	3918.6	4130.4	4342.3	4555.0	4766.9	4967.7	5169.3	5370.2	5571.0
30°	3777.3	3937.7	4098.1	4350.4	4602.1	4854.4	5106.0	5357.7	5609.3	5860.9	6112.5
32.5°	3866.3	4092.9	4318.8	4625.6	4931.7	5238.5	5545.3	5821.2	6097.1	6372.2	6648.1
35°	4240.1	4443.9	4646.9	4986.1	5325.3	5665.2	6004.4	6345.8	6687.1	7027.8	7369.2
37.5°	4541.0	4766.1	4990.5	5361.3	5731.4	6102.2	6473.0	6944.6	7417.0	7888.6	8360.2
40°	4933.9	5130.3	5326.8	5674.0	6020.6	6367.8	6715.1	7313.3	7911.4	8508.8	9107.0
42.5°	5440.8	5626.9	5813.1	6184.6	6556.2	6927.7	7299.3	7961.4	8623.6	9285.0	9947.2
45°	6112.5	6302.3	6491.4	6787.2	7083.0	7378.7	7674.5	8378.6	9082.0	9786.1	10489.4
47.5°	7090.3	7091.1	7091.8	7305.2	7518.5	7732.6	7946.0	8655.2	9363.8	10073.0	10781.5
50°	7823.9	7800.3	7777.5	7887.9	7997.5	8107.9	8218.2	8870.8	9524.2	10176.8	10829.4
52.5°	8873.8	8668.5	8464.0	8529.4	8594.2	8659.7	8724.4	9276.9	9830.2	10382.8	10935.3
55°	9741.9	9534.5	9327.0	9302.7	9278.4	9254.1	9229.9	9738.3	10246.6	10755.0	11263.4
57.5°	10460.0	10179.7	9900.1	9844.2	9789.0	9733.1	9677.2	10213.5	10749.2	11285.5	11821.1
60°	10840.4	10659.4	10478.4	10442.4	10405.6	10369.5	10332.7	10772.7	11212.7	11652.6	12092.6
62.5°	10967.7	10852.2	10737.4	10805.1	10872.8	10941.2	11008.9	11202.4	11395.1	11588.6	11781.4
65°	10758.7	10744.0	10729.3	10868.3	11006.7	11145.7	11284.8	11237.0	11188.4	11140.6	11092.7
67.5°	9931.8	9883.2	9835.4	10140.7	10445.3	10750.6	11056.0	10824.2	10591.7	10360.0	10128.2
70°	8141.0	8106.4	8072.5	8512.5	8952.5	9393.2	9833.2	9552.1	9271.1	8990.0	8709.0
72.5°	5738.0	5796.9	5855.8	6374.4	6892.4	7411.1	7929.1	7645.8	7362.5	7079.3	6796.0
75°	3839.1	3948.7	4058.3	4592.5	5126.6	5661.5	6195.7	5863.1	5530.6	5198.0	4865.4
77.5°	2895.9	2934.1	2972.4	3310.1	3647.8	3986.2	4323.9	4049.5	3774.3	3499.9	3224.7
80°	2269.8	2155.0	2040.9	2152.0	2263.1	2374.2	2485.3	2321.3	2157.2	1993.9	1829.8
82.5°	1356.0	1308.9	1261.8	1322.1	1381.7	1442.1	1502.4	1431.7	1360.4	1289.8	1218.4
85°	610.7	657.8	704.1	765.2	825.5	886.6	947.6	849.0	750.5	651.9	553.3
87.5°	68.4	88.3	108.2	133.9	159.7	185.4	211.2	164.8	117.7	71.4	25.0
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: P368349  
 CATALOG NUMBER: MSA-SA4B-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: P368349  
 CATALOG NUMBER: MSA-SA4B-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	1555.4	1555.4
2.5°	2024.8	2062.3
5°	2655.3	2653.8
7.5°	2904.7	2859.8
10°	2739.2	2698.0
12.5°	2877.5	2772.3
15°	2903.2	2823.8
17.5°	3256.4	3126.2
20°	3682.4	3514.6
22.5°	4196.7	3966.4
25°	4694.8	4421.1
27.5°	5407.0	5242.1
30°	5946.2	5779.2
32.5°	6534.8	6421.5
35°	7256.6	7143.3
37.5°	8389.6	8418.3
40°	9124.6	9142.3
42.5°	10015.6	10084.0
45°	10566.0	10642.5
47.5°	10888.2	10994.9
50°	11001.5	11173.7
52.5°	11147.9	11359.8
55°	11499.6	11735.8
57.5°	12009.5	12197.8
60°	12101.4	12110.3
62.5°	11645.3	11509.2
65°	10947.8	10802.9
67.5°	10040.6	9952.4
70°	8592.7	8476.5
72.5°	6579.7	6363.4
75°	4597.6	4329.8
77.5°	3084.2	2943.7
80°	1834.2	1837.9
82.5°	1252.2	1285.3
85°	546.7	539.3
87.5°	17.7	9.6
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0



REPORT NUMBER: P368349  
CATALOG NUMBER: MSA-SA4B-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)