

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: P368327

Luminaire Tested: **MSA-SA4B-727-U-SLR-HSS**

Issue Date: 12/2/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P368327  
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-727-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: 11853 lumens  
Efficiency: N/A  
Efficacy: 69.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G2

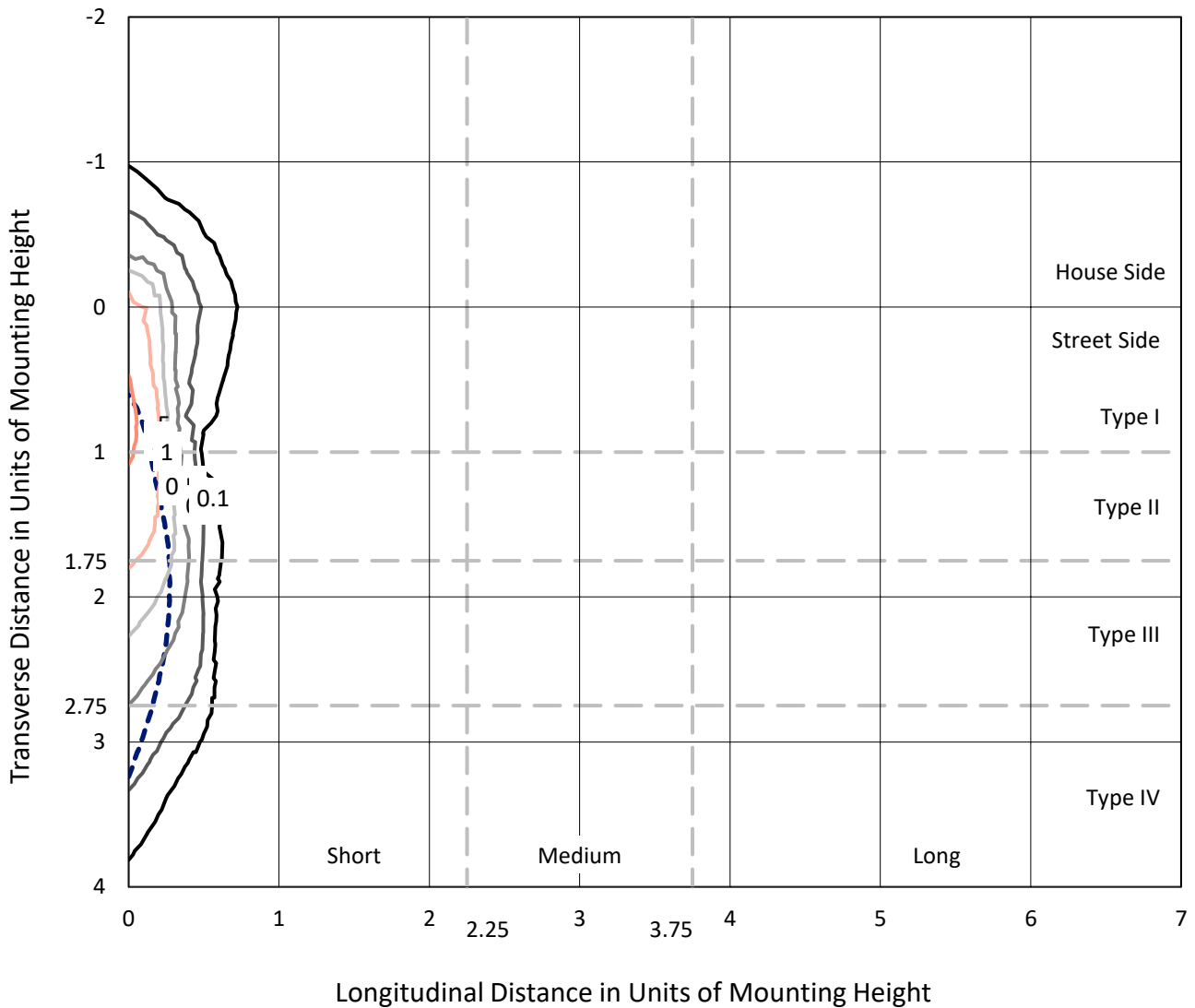
Input Watts (W): 171  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P368327  
 CATALOG NUMBER: MSA-SA4B-727-U-SLR-HSS

### Iso-Footcandle Lines of Horizontal Illumination

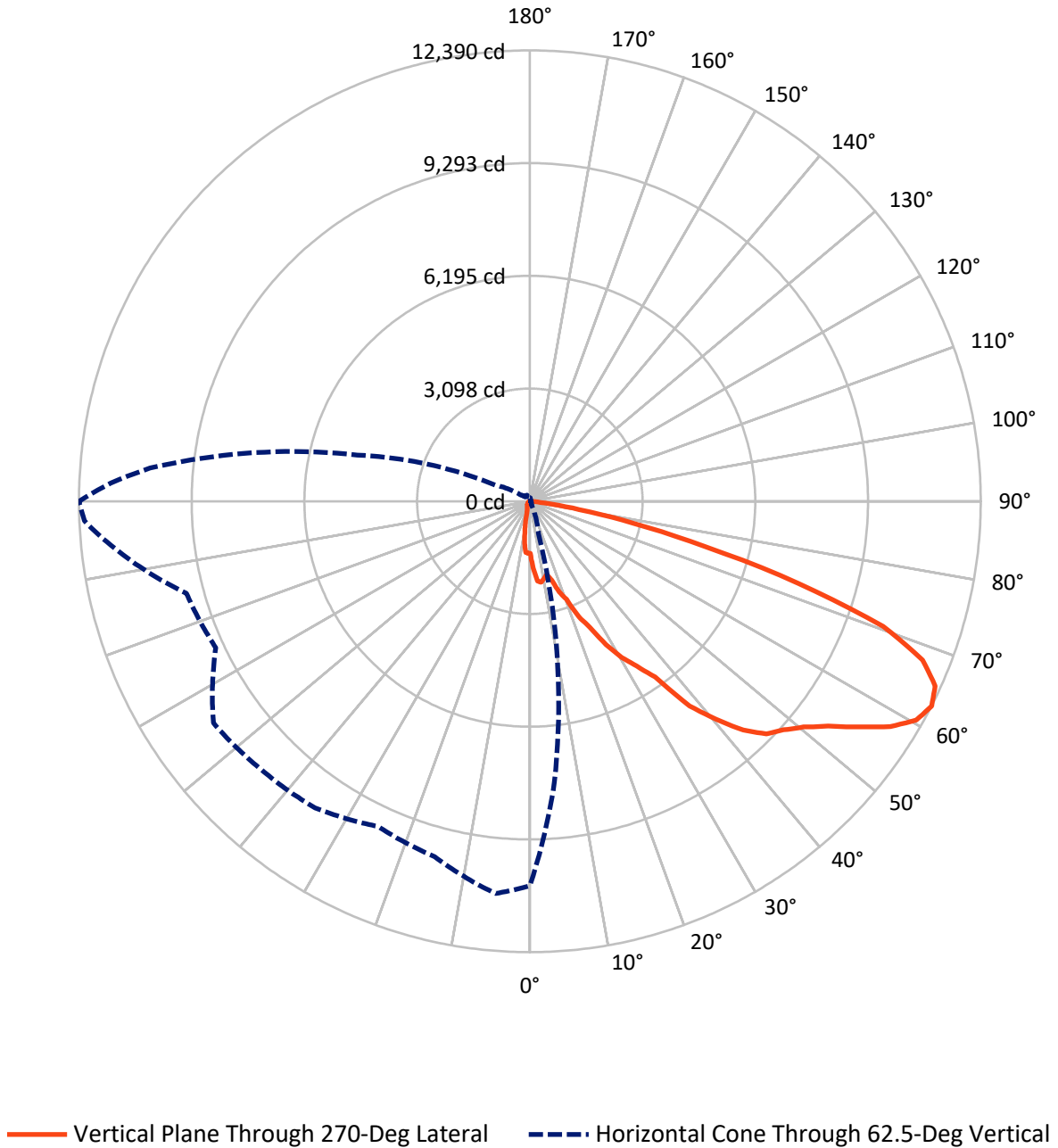
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc  
 Type IV - Short - N/A

REPORT NUMBER: P368327  
CATALOG NUMBER: MSA-SA4B-727-U-SLR-HSS

### Luminous Intensity Polar Plot



REPORT NUMBER: P368327  
 CATALOG NUMBER: MSA-SA4B-727-U-SLR-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1979.3	0.0	1979.3
	% Fixture	16.7	0.0	16.7
<b>Street Side</b>	Lumens	9873.7	0.0	9873.7
	% Fixture	83.3	0.0	83.3
<b>Total</b>	Lumens	11853.0	0.0	11853.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.6	1.3
10°-20°	416.9	3.5
20°-30°	673.8	5.7
30°-40°	1128.5	9.5
40°-50°	1844.9	15.6
50°-60°	2731.0	23.0
60°-70°	3135.2	26.5
70°-80°	1550.2	13.1
80°-90°	212.9	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°	11853.0	100.0
0°-180°	11853.0	100.0

**Coefficient of Utilization**



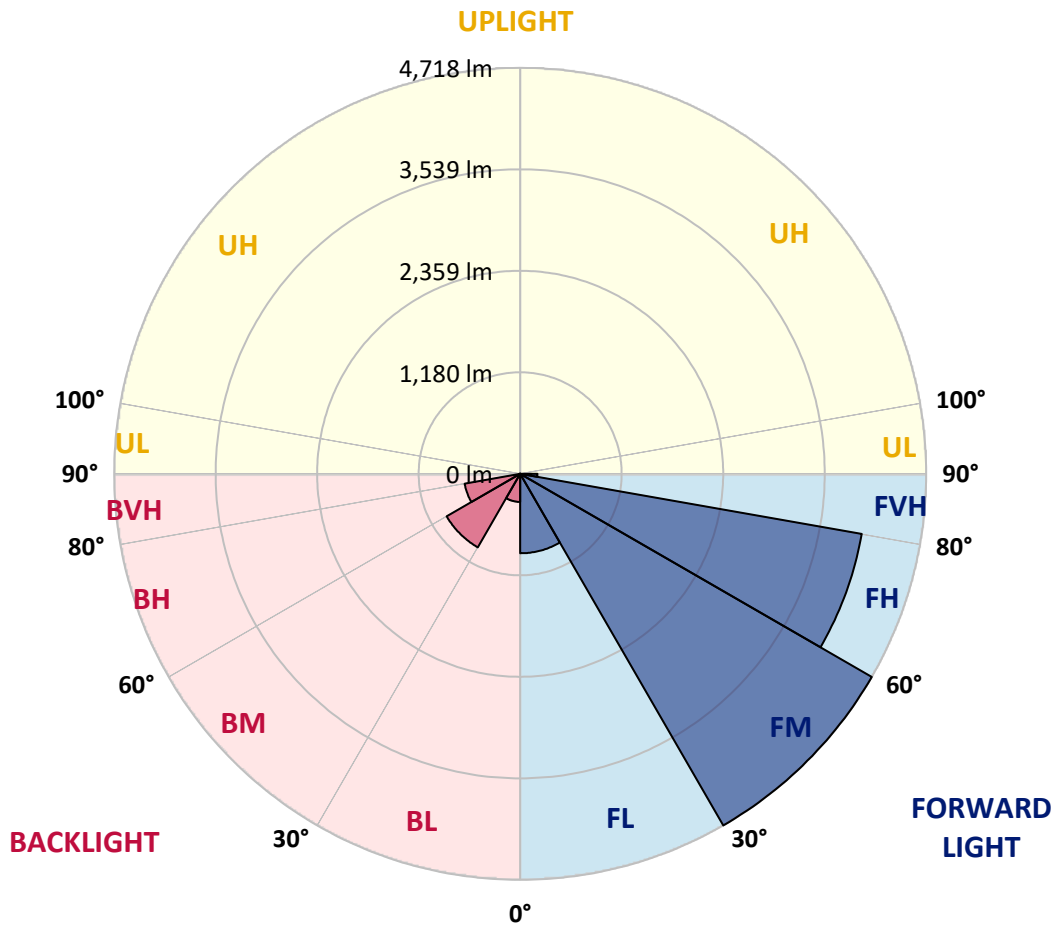
REPORT NUMBER: P368327  
 CATALOG NUMBER: MSA-SA4B-727-U-SLR-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	923.4	7.8			
FM (30°-60°)	4718.1	39.8			
FH (60°-80°)	4030.6	34.0			G2/5000
FVH (80°-90°)	201.6	1.7			G2/225
BL (0°-30°)	326.8	2.8	B1/500		
BM (30°-60°)	986.3	8.3	B1/1000		
BH (60°-80°)	654.9	5.5	B2/1000		G2/1000
BVH (80°-90°)	11.3	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





REPORT NUMBER: P368327

CATALOG NUMBER: MSA-SA4B-727-U-SLR-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3
2.5°	1893.9	1917.5	1940.5	1896.6	1852.7	1808.7	1764.8	1725.6	1686.4	1646.6	1607.4
5°	2437.1	2393.9	2350.6	2291.2	2231.7	2172.2	2112.8	2085.1	2057.4	2029.7	2002.0
7.5°	2626.3	2549.3	2471.6	2418.9	2366.8	2314.1	2261.4	2178.3	2094.5	2011.4	1927.7
10°	2477.6	2395.9	2313.5	2267.5	2221.6	2175.6	2129.7	2026.3	1922.2	1818.9	1714.8
12.5°	2545.9	2457.4	2368.9	2274.3	2179.7	2085.1	1990.5	1911.4	1831.7	1752.7	1672.9
15°	2593.2	2491.8	2389.8	2281.7	2173.6	2065.5	1957.4	1864.1	1771.6	1678.3	1585.1
17.5°	2870.9	2725.6	2580.3	2414.1	2247.9	2081.7	1915.5	1807.4	1700.0	1591.9	1483.7
20°	3227.6	3021.5	2814.8	2589.8	2364.8	2139.8	1914.8	1780.4	1645.9	1511.4	1377.0
22.5°	3642.5	3385.0	3126.9	2849.3	2572.2	2294.5	2016.8	1823.6	1630.4	1437.1	1243.9
25°	4060.0	3827.6	3595.2	3221.5	2847.9	2473.6	2099.9	1854.7	1608.7	1363.5	1117.5
27.5°	4814.1	4398.5	3983.0	3507.3	3032.4	2556.7	2081.0	1800.0	1518.9	1237.1	956.1
30°	5307.3	4987.7	4667.4	4039.1	3411.4	2783.0	2154.7	1798.6	1442.5	1085.8	729.7
32.5°	5897.1	5429.6	4961.4	4279.6	3597.9	2916.1	2234.4	1816.2	1397.3	979.0	560.1
35°	6560.0	6051.2	5542.4	4678.9	3815.4	2951.3	2087.8	1682.4	1277.0	871.6	466.2
37.5°	7730.9	6879.6	6028.2	5021.5	4014.1	3007.4	1999.9	1595.2	1189.8	785.1	379.7
40°	8395.7	7582.9	6770.1	5512.0	4253.9	2995.9	1737.8	1378.3	1019.6	660.1	300.7
42.5°	9260.6	8229.5	7197.8	5791.7	4385.7	2979.7	1573.6	1241.2	908.8	575.7	243.2
45°	9773.4	8605.2	7437.0	5913.4	4389.8	2866.1	1342.5	1054.7	766.9	479.0	191.2
47.5°	10097.0	8925.4	7753.9	6118.1	4483.0	2847.2	1211.5	946.6	681.7	416.9	152.0
50°	10261.2	9086.3	7910.6	6229.6	4548.5	2866.8	1185.8	922.3	658.1	394.6	130.4
52.5°	10432.2	9299.1	8165.3	6422.8	4680.3	2937.8	1195.2	926.3	658.1	389.2	120.3
55°	10777.4	9659.9	8541.7	6699.8	4858.0	3016.1	1174.3	909.4	644.6	379.0	114.2
57.5°	11201.7	10007.2	8811.9	6902.5	4993.1	3083.7	1174.3	908.1	641.9	375.0	108.8
60°	11121.3	9824.8	8527.5	6674.8	4822.2	2968.8	1116.2	862.8	610.1	356.7	103.4
62.5°	10569.3	9161.9	7753.9	6041.7	4328.9	2616.8	904.0	702.0	500.0	297.3	95.3
65°	9920.7	8426.8	6932.3	5356.6	3780.3	2204.7	628.4	493.2	357.4	222.3	86.5
67.5°	9139.6	7546.4	5953.2	4551.9	3151.3	1750.0	348.6	281.1	213.5	145.3	77.7
70°	7784.3	6139.7	4494.5	3417.5	2341.2	1264.2	187.2	158.1	129.1	100.0	70.9
72.5°	5843.8	4337.1	2830.3	2149.9	1470.2	789.8	109.5	98.6	87.2	76.3	64.9
75°	3976.3	2847.2	1718.2	1308.1	898.6	488.5	78.4	73.0	66.9	61.5	55.4
77.5°	2703.3	1955.4	1207.4	921.6	635.8	350.0	64.2	60.8	57.4	53.4	50.0
80°	1687.8	1155.4	623.0	479.7	335.8	192.6	48.6	46.6	44.6	41.9	39.9
82.5°	1180.4	706.1	231.8	181.1	130.4	79.1	28.4	29.1	29.7	29.7	30.4
85°	495.3	267.6	39.9	33.8	27.7	21.6	15.5	16.9	18.9	20.3	21.6
87.5°	8.8	4.7	0.0	1.4	3.4	4.7	6.1	8.1	9.5	11.5	12.8
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: P368327  
 CATALOG NUMBER: MSA-SA4B-727-U-SLR-HSS

**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





REPORT NUMBER: P368327  
 CATALOG NUMBER: MSA-SA4B-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3
2.5°	1617.5	1627.7	1637.1	1647.3	1639.1	1631.7	1623.6	1615.5	1603.3	1591.9	1579.7
5°	1968.2	1934.4	1900.6	1866.8	1815.5	1764.1	1712.1	1660.8	1654.7	1648.6	1641.9
7.5°	1848.6	1769.5	1689.8	1610.8	1536.4	1462.1	1387.8	1313.5	1290.5	1268.2	1245.2
10°	1654.0	1593.2	1531.7	1470.9	1417.5	1363.5	1310.1	1256.0	1200.0	1143.9	1087.1
12.5°	1609.4	1545.9	1481.7	1418.2	1369.6	1320.9	1272.3	1223.6	1160.8	1097.9	1035.1
15°	1516.2	1447.3	1378.3	1309.4	1244.6	1179.7	1114.2	1049.3	973.6	898.0	822.3
17.5°	1402.0	1320.9	1239.2	1157.4	1072.3	987.1	902.0	816.9	729.7	643.2	556.1
20°	1266.2	1155.4	1043.9	933.1	827.7	722.3	616.2	510.8	456.1	402.0	347.3
22.5°	1100.6	956.7	813.5	669.6	583.1	495.9	409.4	322.3	298.6	275.0	251.3
25°	954.7	791.9	629.0	466.2	411.5	356.7	302.0	247.3	236.5	225.0	214.2
27.5°	802.7	650.0	496.6	343.2	312.2	280.4	249.3	217.6	210.1	203.4	195.9
30°	615.5	501.3	386.5	272.3	252.0	231.8	210.8	190.5	187.2	183.1	179.7
32.5°	477.0	393.2	310.1	226.3	214.9	203.4	191.9	180.4	175.0	169.6	163.5
35°	398.6	331.7	264.2	196.6	188.5	179.7	171.6	162.8	157.4	151.3	145.9
37.5°	330.4	281.7	232.4	183.1	174.3	165.5	156.1	147.3	143.2	139.2	135.1
40°	272.3	243.9	215.5	187.2	174.3	161.5	148.6	135.8	132.4	129.1	125.7
42.5°	225.0	206.8	187.8	169.6	160.1	151.3	141.9	132.4	127.7	122.3	117.6
45°	181.8	171.6	162.2	152.0	152.7	153.4	153.4	154.1	141.9	129.1	116.9
47.5°	147.3	142.6	137.2	132.4	137.8	143.2	148.0	153.4	140.5	127.7	114.2
50°	126.3	123.0	118.9	114.9	120.3	126.3	131.8	137.2	131.8	127.0	121.6
52.5°	115.5	110.8	106.1	101.3	103.4	106.1	108.1	110.1	110.1	110.1	110.1
55°	108.8	104.1	98.6	93.2	91.2	88.5	86.5	83.8	80.4	77.7	74.3
57.5°	103.4	98.0	91.9	86.5	83.1	79.1	75.7	71.6	68.2	64.2	60.8
60°	98.0	92.6	86.5	81.1	77.7	74.3	70.3	66.9	62.8	59.5	55.4
62.5°	90.5	85.8	81.1	76.3	73.0	70.3	66.9	63.5	59.5	55.4	50.7
65°	82.4	79.1	75.0	70.9	67.6	64.2	60.8	57.4	53.4	50.0	45.9
67.5°	75.0	71.6	68.9	65.5	61.5	58.1	54.1	50.0	47.3	44.6	41.2
70°	68.9	66.2	64.2	61.5	57.4	54.1	50.0	45.9	43.9	41.2	39.2
72.5°	62.8	60.8	58.1	56.1	52.7	49.3	45.9	42.6	40.5	38.5	36.5
75°	54.1	52.7	51.4	50.0	46.6	43.2	39.2	35.8	35.1	34.5	33.8
77.5°	48.6	48.0	46.6	45.3	41.9	38.5	35.1	31.8	32.4	33.1	33.1
80°	39.9	39.9	39.2	39.2	36.5	33.8	30.4	27.7	29.1	31.1	32.4
82.5°	30.4	30.4	30.4	30.4	27.7	25.0	22.3	19.6	21.6	23.0	25.0
85°	20.9	20.3	19.6	18.9	16.9	15.5	13.5	11.5	14.2	16.2	18.9
87.5°	12.8	13.5	13.5	13.5	12.2	10.1	8.8	6.8	8.1	8.8	10.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368327  
 CATALOG NUMBER: MSA-SA4B-727-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: P368327  
 CATALOG NUMBER: MSA-SA4B-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3
2.5°	1567.5	1547.3	1527.0	1506.0	1485.8	1438.5	1391.2	1343.9	1296.6	1331.7	1366.2
5°	1635.8	1596.6	1556.7	1517.5	1477.7	1460.1	1443.2	1425.6	1408.1	1410.8	1414.2
7.5°	1222.3	1196.6	1170.9	1144.6	1118.9	1113.5	1108.8	1103.4	1097.9	1109.4	1120.2
10°	1031.1	995.2	958.8	922.9	886.5	866.9	847.3	827.7	808.1	806.1	803.4
12.5°	972.3	917.5	863.5	808.8	754.0	711.5	668.9	626.3	583.8	587.1	590.5
15°	746.6	691.9	637.8	583.1	528.4	493.9	458.8	424.3	389.2	379.0	368.9
17.5°	468.9	428.4	387.8	346.6	306.1	294.6	283.8	272.3	260.8	257.4	254.0
20°	292.6	275.0	257.4	239.2	221.6	218.9	216.2	213.5	210.8	212.8	214.9
22.5°	227.7	220.3	212.2	204.7	196.6	193.9	191.2	188.5	185.8	187.8	189.2
25°	202.7	197.3	191.9	186.5	181.1	178.4	175.0	172.3	168.9	170.3	172.3
27.5°	188.5	183.8	179.0	174.3	169.6	164.9	160.8	156.1	151.3	154.1	156.1
30°	175.7	170.3	165.5	160.1	154.7	150.0	145.3	139.9	135.1	137.8	140.5
32.5°	158.1	153.4	148.0	143.2	137.8	135.1	132.4	129.1	126.3	128.4	129.7
35°	139.9	135.8	132.4	128.4	124.3	121.6	119.6	116.9	114.2	114.9	116.2
37.5°	131.1	126.3	121.6	116.9	112.2	110.8	109.5	107.4	106.1	106.1	106.1
40°	122.3	117.6	112.8	107.4	102.7	100.7	98.6	96.6	94.6	94.6	94.6
42.5°	112.2	107.4	102.7	98.0	93.2	91.2	88.5	86.5	83.8	83.8	83.8
45°	104.1	99.3	95.3	90.5	85.8	82.4	79.1	75.0	71.6	70.9	70.3
47.5°	101.3	94.6	87.8	81.1	74.3	70.9	67.6	63.5	60.1	59.5	58.8
50°	116.2	102.7	89.2	75.7	62.2	59.5	56.8	54.1	51.4	50.0	49.3
52.5°	110.1	95.9	81.8	67.6	53.4	51.4	49.3	47.3	45.3	43.9	42.6
55°	70.9	64.9	59.5	53.4	47.3	45.9	44.6	42.6	41.2	39.9	38.5
57.5°	56.8	53.4	50.7	47.3	43.9	42.6	41.2	39.2	37.8	35.8	34.5
60°	51.4	48.6	45.9	43.2	40.5	39.2	37.8	36.5	35.1	33.1	31.8
62.5°	46.6	44.6	42.6	40.5	38.5	37.2	35.8	34.5	33.1	31.1	29.1
65°	41.9	40.5	39.2	37.8	36.5	35.1	33.8	31.8	30.4	28.4	26.4
67.5°	38.5	37.8	37.2	36.5	35.8	34.5	32.4	31.1	29.1	27.0	24.3
70°	36.5	36.5	36.5	35.8	35.8	34.5	32.4	31.1	29.1	26.4	24.3
72.5°	34.5	35.1	35.8	35.8	36.5	34.5	32.4	30.4	28.4	25.7	23.6
75°	33.1	33.8	34.5	34.5	35.1	33.8	32.4	30.4	29.1	26.4	23.6
77.5°	33.8	34.5	34.5	35.1	35.1	33.8	32.4	30.4	29.1	25.7	22.3
80°	33.8	33.1	32.4	31.1	30.4	27.7	25.0	21.6	18.9	14.9	11.5
82.5°	26.4	25.0	24.3	23.0	21.6	18.9	16.2	13.5	10.8	8.1	5.4
85°	20.9	19.6	18.9	17.6	16.2	14.2	11.5	9.5	6.8	5.4	3.4
87.5°	10.8	10.1	8.8	8.1	6.8	5.4	3.4	2.0	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: P368327  
 CATALOG NUMBER: MSA-SA4B-727-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: P368327  
 CATALOG NUMBER: MSA-SA4B-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3
2.5°	1401.3	1435.8	1431.0	1426.3	1448.6	1470.9	1454.7	1439.2	1422.9	1406.7	1372.9
5°	1416.9	1419.6	1414.8	1409.4	1410.1	1410.8	1400.0	1389.2	1378.3	1367.5	1365.5
7.5°	1131.7	1142.5	1157.4	1171.6	1172.3	1172.3	1164.2	1156.1	1147.3	1139.2	1143.2
10°	801.3	798.6	802.7	806.7	806.1	804.7	826.3	848.0	868.9	890.5	875.0
12.5°	593.2	596.6	579.7	562.8	568.9	574.3	577.7	581.1	584.4	587.8	597.3
15°	358.8	348.6	336.5	324.3	330.4	335.8	341.9	347.3	353.4	358.8	364.9
17.5°	250.0	246.6	241.2	235.1	235.8	236.5	237.2	237.8	237.8	238.5	239.9
20°	216.9	218.9	214.9	210.1	208.8	206.8	205.4	204.0	202.0	200.7	198.6
22.5°	191.2	192.6	193.2	193.2	190.5	187.2	184.5	182.4	179.7	177.0	175.7
25°	173.6	175.0	173.6	171.6	170.3	168.9	167.6	165.5	164.2	162.2	161.5
27.5°	158.8	160.8	160.8	160.1	158.8	156.8	153.4	150.7	147.3	143.9	144.6
30°	143.2	145.9	145.9	145.3	144.6	143.9	140.5	137.2	133.8	130.4	131.8
32.5°	131.8	133.1	132.4	131.8	131.8	131.1	128.4	126.3	123.6	120.9	120.9
35°	116.9	117.6	117.6	117.6	117.6	116.9	114.9	112.8	110.8	108.8	109.5
37.5°	106.1	106.1	108.1	109.5	108.1	106.8	105.4	103.4	102.0	100.0	100.0
40°	93.9	93.9	95.9	97.3	95.9	94.6	93.9	92.6	91.9	90.5	90.5
42.5°	83.1	83.1	85.1	86.5	86.5	85.8	84.5	83.1	81.8	80.4	81.1
45°	69.6	68.9	72.3	75.0	73.6	72.3	72.3	71.6	71.6	70.9	71.6
47.5°	57.4	56.8	59.5	62.2	61.5	60.1	60.1	60.1	60.1	60.1	60.8
50°	48.0	46.6	49.3	51.4	50.7	49.3	49.3	50.0	50.0	50.0	50.7
52.5°	41.2	39.9	41.9	43.2	42.6	41.9	41.9	42.6	42.6	42.6	43.2
55°	36.5	35.1	37.2	38.5	37.8	36.5	37.2	37.2	37.8	37.8	37.8
57.5°	32.4	30.4	31.8	33.1	33.1	32.4	33.1	33.1	33.8	33.8	33.8
60°	29.7	27.7	29.1	29.7	29.7	29.1	29.7	29.7	30.4	30.4	30.4
62.5°	26.4	24.3	25.7	26.4	26.4	25.7	26.4	26.4	27.0	27.0	27.0
65°	23.6	21.6	22.3	23.0	23.0	23.0	23.6	23.6	24.3	24.3	24.3
67.5°	22.3	19.6	20.3	20.9	20.9	20.9	21.6	21.6	22.3	22.3	23.0
70°	21.6	18.9	19.6	19.6	20.3	20.3	20.3	20.9	20.9	20.9	20.9
72.5°	20.9	18.2	18.2	18.2	18.9	18.9	18.9	19.6	19.6	19.6	19.6
75°	20.9	18.2	17.6	16.9	17.6	17.6	17.6	18.2	18.2	18.2	18.2
77.5°	18.2	14.9	13.5	11.5	13.5	14.9	15.5	15.5	16.2	16.2	16.2
80°	7.4	3.4	2.0	0.0	0.7	1.4	2.0	2.7	3.4	4.1	4.7
82.5°	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.0	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: P368327  
 CATALOG NUMBER: MSA-SA4B-727-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: P368327  
 CATALOG NUMBER: MSA-SA4B-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3
2.5°	1339.2	1305.4	1271.6	1287.8	1304.0	1320.2	1336.5	1335.1	1333.1	1331.7	1329.7
5°	1364.2	1362.1	1360.1	1350.6	1341.9	1332.4	1322.9	1320.9	1318.2	1316.2	1313.5
7.5°	1147.3	1150.6	1154.7	1143.9	1133.1	1122.3	1111.5	1083.8	1056.1	1027.7	1000.0
10°	859.4	843.2	827.7	826.3	825.0	823.6	822.3	819.6	816.9	813.5	810.8
12.5°	607.4	616.9	626.3	623.0	619.6	615.5	612.1	616.9	622.3	627.0	631.7
15°	370.3	376.3	381.7	393.9	406.1	418.2	430.4	435.1	440.5	445.3	450.0
17.5°	241.2	241.9	243.2	256.8	269.6	283.1	295.9	304.7	313.5	321.6	330.4
20°	196.6	194.6	192.6	200.0	207.4	214.9	222.3	230.4	238.5	246.6	254.7
22.5°	175.0	173.6	172.3	175.0	177.7	179.7	182.4	188.5	195.3	201.3	207.4
25°	160.8	159.5	158.8	160.1	161.5	162.8	164.2	167.6	170.9	174.3	177.7
27.5°	144.6	145.3	145.3	146.6	147.3	148.6	149.3	150.7	152.7	154.1	155.4
30°	132.4	133.8	134.5	135.8	136.5	137.8	138.5	137.8	137.2	136.5	135.8
32.5°	120.9	120.3	120.3	121.6	122.3	123.6	124.3	125.7	127.0	127.7	129.1
35°	109.5	110.1	110.1	110.1	110.8	110.8	110.8	112.2	114.2	115.5	116.9
37.5°	99.3	99.3	98.6	100.7	102.0	104.1	105.4	106.8	108.8	110.1	111.5
40°	90.5	90.5	90.5	91.9	93.2	93.9	95.3	98.6	102.0	105.4	108.8
42.5°	81.1	81.8	81.8	83.1	84.5	85.1	86.5	89.2	91.2	93.9	95.9
45°	72.3	73.0	73.6	75.0	75.7	77.0	77.7	79.1	79.7	81.1	81.8
47.5°	62.2	62.8	63.5	64.9	65.5	66.9	67.6	66.9	66.9	66.2	65.5
50°	52.0	52.7	53.4	55.4	56.8	58.8	60.1	58.8	57.4	55.4	54.1
52.5°	43.9	43.9	44.6	45.9	47.3	48.0	49.3	48.6	48.0	47.3	46.6
55°	37.8	37.8	37.8	38.5	39.2	39.9	40.5	41.2	41.2	41.9	41.9
57.5°	33.8	33.1	33.1	33.8	34.5	34.5	35.1	35.8	35.8	36.5	36.5
60°	30.4	29.7	29.7	30.4	31.1	31.8	32.4	32.4	32.4	31.8	31.8
62.5°	27.0	27.0	27.0	27.7	27.7	28.4	28.4	28.4	29.1	29.1	29.1
65°	25.0	25.0	25.0	25.0	25.0	24.3	24.3	25.0	25.0	25.7	25.7
67.5°	23.0	23.6	23.6	23.0	22.3	21.6	20.9	21.6	21.6	22.3	22.3
70°	20.9	20.9	20.9	20.3	19.6	18.9	18.2	18.2	18.2	17.6	17.6
72.5°	19.6	18.9	18.9	18.2	16.9	16.2	14.9	14.2	14.2	13.5	12.8
75°	18.2	17.6	17.6	16.2	14.9	13.5	12.2	11.5	10.1	9.5	8.1
77.5°	16.2	16.2	16.2	14.2	12.8	10.8	8.8	7.4	6.1	4.1	2.7
80°	5.4	6.1	6.8	6.1	6.1	5.4	4.7	3.4	2.7	1.4	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: P368327  
 CATALOG NUMBER: MSA-SA4B-727-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: P368327  
 CATALOG NUMBER: MSA-SA4B-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3
2.5°	1337.1	1344.6	1352.0	1359.4	1360.1	1360.8	1361.5	1362.1	1345.2	1327.7	1310.8
5°	1327.0	1341.2	1354.7	1368.2	1360.8	1353.3	1345.9	1338.5	1337.8	1337.8	1337.1
7.5°	1002.0	1003.4	1005.4	1006.7	1009.4	1012.1	1014.2	1016.9	1027.7	1038.5	1048.6
10°	802.0	793.2	783.8	775.0	768.2	760.8	754.0	746.6	752.0	758.1	763.5
12.5°	624.3	616.9	608.8	601.3	598.6	595.9	592.6	589.8	607.4	625.0	641.9
15°	448.6	447.3	445.3	443.9	452.7	461.5	470.3	479.0	493.9	508.1	523.0
17.5°	333.8	337.2	340.5	343.9	349.3	354.7	359.5	364.9	375.7	387.2	398.0
20°	258.8	263.5	267.6	271.6	270.3	268.9	266.9	265.5	274.3	283.1	291.2
22.5°	211.5	214.9	218.9	222.3	223.0	223.6	224.3	225.0	230.4	235.1	240.5
25°	181.1	185.1	188.5	191.9	192.6	193.2	193.9	194.6	201.3	208.1	214.2
27.5°	160.1	164.2	168.9	173.0	174.3	175.7	177.0	178.4	182.4	185.8	189.9
30°	141.2	146.6	152.0	157.4	159.5	161.5	163.5	165.5	169.6	174.3	178.4
32.5°	131.8	135.1	137.8	140.5	145.3	149.3	154.1	158.1	162.8	168.2	173.0
35°	120.9	124.3	128.4	131.8	135.1	138.5	141.2	144.6	147.3	150.0	152.0
37.5°	114.2	117.6	120.3	123.0	124.3	125.7	126.3	127.7	129.1	130.4	131.1
40°	108.8	108.1	108.1	107.4	108.8	110.8	112.2	113.5	117.6	120.9	125.0
42.5°	94.6	92.6	91.2	89.2	92.6	95.3	98.6	101.3	106.8	112.2	117.6
45°	80.4	79.1	77.0	75.7	80.4	85.1	89.9	94.6	100.7	106.1	112.2
47.5°	66.2	66.9	66.9	67.6	72.3	77.0	81.1	85.8	91.9	98.0	104.1
50°	55.4	56.8	58.1	59.5	64.2	68.2	73.0	77.0	83.8	89.9	96.6
52.5°	48.6	50.7	52.0	54.1	58.1	62.8	66.9	70.9	77.0	83.1	89.2
55°	43.9	46.6	48.6	50.7	54.1	57.4	60.8	64.2	70.3	76.3	81.8
57.5°	38.5	40.5	42.6	44.6	48.0	51.4	54.1	57.4	62.8	68.9	74.3
60°	33.8	35.1	37.2	38.5	41.2	44.6	47.3	50.0	55.4	60.8	65.5
62.5°	29.7	31.1	31.8	32.4	35.1	37.8	40.5	43.2	48.0	53.4	58.1
65°	26.4	27.0	27.0	27.7	29.7	32.4	34.5	36.5	41.9	46.6	52.0
67.5°	22.3	23.0	23.0	23.0	25.0	27.0	29.1	31.1	35.8	41.2	45.9
70°	17.6	18.2	18.2	18.2	20.3	23.0	25.0	27.0	31.1	35.1	39.2
72.5°	13.5	13.5	14.2	14.2	16.2	18.9	20.9	23.0	26.4	29.7	33.1
75°	8.8	9.5	9.5	10.1	12.2	14.9	16.9	18.9	22.3	25.7	28.4
77.5°	3.4	4.7	5.4	6.1	8.1	10.1	12.2	14.2	16.9	20.3	23.0
80°	0.0	0.7	0.7	0.7	2.0	2.7	4.1	4.7	6.8	9.5	11.5
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: P368327  
 CATALOG NUMBER: MSA-SA4B-727-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: P368327  
 CATALOG NUMBER: MSA-SA4B-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3
2.5°	1293.2	1330.4	1367.5	1404.7	1441.9	1487.8	1533.7	1540.5	1547.3	1539.2	1531.7
5°	1336.5	1354.7	1372.3	1390.5	1408.1	1460.8	1512.8	1513.5	1513.5	1514.2	1514.2
7.5°	1059.4	1075.0	1090.5	1105.4	1120.9	1155.4	1189.8	1202.7	1214.8	1212.1	1209.4
10°	768.9	789.2	808.8	829.0	848.6	880.4	912.1	924.3	935.8	972.9	1010.8
12.5°	659.4	679.0	698.6	717.5	737.1	769.6	802.0	825.7	848.6	871.6	894.6
15°	537.1	552.7	568.9	584.4	600.0	614.8	629.7	658.8	687.1	710.1	733.1
17.5°	408.8	415.5	421.6	428.4	434.4	441.2	448.0	460.1	471.6	491.9	511.5
20°	300.0	305.4	310.8	315.5	320.9	327.7	334.5	343.2	351.3	356.1	360.1
22.5°	245.3	253.4	261.5	268.9	277.0	281.7	286.5	289.2	291.9	293.9	295.9
25°	220.9	228.4	235.1	242.6	249.3	251.3	253.4	258.8	264.2	264.2	264.2
27.5°	193.2	203.4	214.2	224.3	234.5	237.2	239.2	241.2	242.6	239.9	236.5
30°	182.4	192.6	202.7	212.2	222.3	226.3	229.7	231.8	233.8	230.4	227.0
32.5°	177.7	187.2	195.9	205.4	214.2	219.6	224.3	229.7	234.5	235.1	236.5
35°	154.7	160.8	167.6	173.6	179.7	182.4	185.1	187.2	188.5	188.5	188.5
37.5°	132.4	140.5	149.3	157.4	165.5	171.6	177.7	178.4	178.4	179.7	181.8
40°	128.4	136.5	144.6	152.0	160.1	166.9	173.0	173.6	174.3	175.7	177.0
42.5°	123.0	131.8	140.5	149.3	158.1	164.9	170.9	170.9	170.3	172.3	173.6
45°	117.6	126.3	134.5	143.2	151.3	160.1	168.2	166.2	163.5	166.9	169.6
47.5°	110.1	119.6	129.1	137.8	147.3	155.4	162.8	161.5	159.5	162.8	166.2
50°	102.7	112.2	121.6	131.1	140.5	149.3	157.4	156.1	154.7	158.8	162.2
52.5°	95.3	104.7	114.9	124.3	133.8	141.2	148.0	147.3	146.6	150.7	155.4
55°	87.8	96.6	106.1	114.9	123.6	131.8	139.2	137.8	136.5	139.9	143.2
57.5°	79.7	88.5	96.6	105.4	113.5	120.3	126.3	124.3	122.3	126.3	130.4
60°	70.9	79.1	87.2	94.6	102.7	108.1	112.8	111.5	109.5	113.5	117.6
62.5°	62.8	70.3	77.7	84.5	91.9	95.9	100.0	98.6	97.3	101.3	106.1
65°	56.8	62.8	68.2	74.3	79.7	83.8	87.8	85.8	83.8	88.5	92.6
67.5°	50.7	55.4	60.8	65.5	70.3	73.6	77.0	75.7	73.6	77.0	80.4
70°	43.2	48.0	52.7	56.8	61.5	64.9	68.2	66.2	63.5	66.9	70.3
72.5°	36.5	40.5	44.6	48.0	52.0	54.7	57.4	55.4	53.4	56.1	58.8
75°	31.8	35.1	38.5	41.2	44.6	45.9	47.3	46.6	45.3	48.0	50.0
77.5°	25.7	28.4	31.8	34.5	37.2	37.2	37.2	37.8	37.8	40.5	43.9
80°	13.5	16.2	18.9	20.9	23.6	23.6	23.0	24.3	25.0	28.4	31.8
82.5°	0.0	2.0	4.1	6.1	8.1	7.4	6.1	6.8	6.8	8.1	9.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4
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: P368327  
 CATALOG NUMBER: MSA-SA4B-727-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: P368327

CATALOG NUMBER: MSA-SA4B-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3
2.5°	1523.6	1515.5	1510.1	1505.4	1500.0	1494.6	1501.3	1508.1	1514.2	1520.9	1541.2
5°	1514.8	1514.8	1510.1	1505.4	1500.6	1495.9	1506.0	1515.5	1525.6	1535.1	1534.4
7.5°	1206.1	1203.3	1231.7	1259.4	1287.8	1315.5	1322.9	1330.4	1337.1	1344.6	1342.5
10°	1047.9	1085.1	1097.3	1109.4	1121.6	1133.8	1148.6	1163.5	1178.3	1193.2	1198.6
12.5°	917.5	940.5	979.7	1018.2	1057.4	1095.9	1115.5	1135.8	1155.4	1175.0	1213.5
15°	756.1	779.0	812.8	846.6	880.4	914.2	945.2	977.0	1008.1	1039.2	1085.8
17.5°	531.7	551.3	577.0	602.7	627.7	653.4	701.3	749.3	797.3	845.2	894.6
20°	364.9	368.9	381.1	393.9	406.1	418.2	461.5	505.4	548.6	591.9	656.7
22.5°	297.3	299.3	305.4	311.5	316.9	323.0	345.3	368.2	390.5	412.8	465.5
25°	263.5	263.5	267.6	271.6	275.7	279.7	291.9	304.0	315.5	327.7	361.5
27.5°	233.8	230.4	236.5	242.6	248.6	254.7	263.5	273.0	281.7	290.5	313.5
30°	223.6	220.3	227.7	235.1	242.6	250.0	258.8	267.6	275.7	284.5	300.0
32.5°	237.2	237.8	240.5	243.2	245.3	248.0	252.0	256.8	260.8	264.9	278.4
35°	188.5	188.5	193.2	198.0	202.0	206.8	214.2	221.6	229.0	236.5	250.7
37.5°	183.1	184.5	188.5	193.2	197.3	201.3	210.8	220.9	230.4	239.9	251.3
40°	177.7	179.0	184.5	189.9	195.3	200.7	210.1	218.9	228.4	237.2	248.0
42.5°	175.7	177.0	183.8	191.2	198.0	204.7	212.8	220.9	228.4	236.5	251.3
45°	173.0	175.7	183.8	192.6	200.7	208.8	216.2	223.6	231.1	238.5	256.8
47.5°	168.9	172.3	181.8	190.5	200.0	208.8	223.0	237.8	252.0	266.2	275.0
50°	166.2	169.6	179.7	189.9	200.0	210.1	233.1	256.1	278.4	301.3	296.6
52.5°	159.5	163.5	176.3	189.2	202.0	214.9	235.1	255.4	275.7	295.9	286.5
55°	146.6	150.0	164.9	179.7	193.9	208.8	223.6	238.5	252.7	267.6	256.8
57.5°	133.8	137.8	152.0	166.2	179.7	193.9	201.3	208.8	216.2	223.6	219.6
60°	121.6	125.7	144.6	163.5	182.4	201.3	194.6	187.8	180.4	173.6	178.4
62.5°	110.1	114.2	132.4	150.0	168.2	185.8	176.3	166.9	157.4	148.0	155.4
65°	97.3	101.3	108.1	115.5	122.3	129.1	128.4	127.0	126.3	125.0	133.1
67.5°	83.8	87.2	90.5	94.6	98.0	101.3	103.4	106.1	108.1	110.1	116.9
70°	73.0	76.3	80.4	83.8	87.8	91.2	92.6	93.9	94.6	95.9	102.0
72.5°	60.8	63.5	68.9	74.3	79.1	84.5	85.1	85.1	85.8	85.8	90.5
75°	52.7	54.7	58.8	62.8	66.2	70.3	72.3	74.3	75.7	77.7	80.4
77.5°	46.6	49.3	50.7	51.4	52.7	53.4	54.7	56.1	57.4	58.8	59.5
80°	34.5	37.8	39.2	39.9	41.2	41.9	41.9	41.2	41.2	40.5	41.2
82.5°	10.8	12.2	14.2	16.2	18.2	20.3	20.9	21.6	21.6	22.3	21.6
85°	2.0	2.7	4.1	5.4	6.1	7.4	6.8	5.4	4.7	3.4	2.7
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: P368327  
 CATALOG NUMBER: MSA-SA4B-727-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: P368327

CATALOG NUMBER: MSA-SA4B-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3
2.5°	1561.4	1581.0	1601.3	1593.2	1585.1	1577.0	1568.9	1570.2	1572.3	1573.6	1575.0
5°	1533.7	1532.4	1531.7	1554.7	1578.3	1601.3	1624.3	1649.3	1675.0	1700.0	1725.0
7.5°	1340.5	1337.8	1335.8	1365.5	1395.2	1425.0	1454.7	1489.2	1524.3	1558.7	1593.2
10°	1204.0	1209.4	1214.8	1227.0	1239.8	1252.0	1264.2	1297.3	1330.4	1362.8	1395.9
12.5°	1252.0	1289.8	1328.3	1335.8	1342.5	1350.0	1356.7	1361.5	1366.2	1370.9	1375.6
15°	1133.1	1179.7	1226.3	1245.9	1264.8	1284.4	1303.3	1353.3	1402.7	1452.7	1502.0
17.5°	943.9	992.5	1041.9	1100.6	1159.4	1218.2	1277.0	1331.0	1385.1	1439.2	1493.2
20°	722.3	787.1	852.0	926.3	1001.3	1075.6	1150.0	1204.0	1257.4	1311.5	1364.8
22.5°	518.9	571.6	624.3	714.2	803.4	893.2	982.4	1076.3	1170.9	1264.8	1358.7
25°	395.3	428.4	462.2	550.7	639.2	727.0	815.5	944.6	1073.6	1202.7	1331.7
27.5°	335.8	358.8	381.1	460.8	540.5	619.6	699.3	852.7	1006.1	1159.4	1312.8
30°	316.2	331.7	347.3	414.9	483.1	550.7	618.2	773.6	929.0	1084.4	1239.8
32.5°	291.9	304.7	318.2	377.7	437.2	495.9	555.4	707.4	859.4	1010.8	1162.8
35°	264.2	278.4	291.9	351.3	410.8	469.6	529.0	686.5	843.9	1001.3	1158.8
37.5°	262.2	273.6	284.5	353.4	423.0	491.9	560.8	718.2	875.7	1032.4	1189.8
40°	259.5	270.3	281.1	351.3	420.9	491.2	560.8	725.7	890.5	1055.4	1220.2
42.5°	266.2	280.4	295.3	357.4	419.6	481.1	543.2	716.9	890.5	1063.5	1237.1
45°	275.7	293.9	312.2	368.9	425.7	482.4	539.2	727.7	916.2	1104.0	1292.5
47.5°	284.5	293.2	302.0	356.1	409.4	463.5	516.9	709.4	902.0	1094.6	1287.1
50°	292.6	287.8	283.1	342.6	402.0	460.8	520.3	704.0	887.1	1070.9	1254.0
52.5°	276.3	266.9	256.8	320.3	383.8	446.6	510.1	695.3	880.4	1065.5	1250.6
55°	245.9	235.1	224.3	287.2	349.3	412.2	474.3	658.8	843.2	1027.7	1212.1
57.5°	214.9	210.8	206.1	254.0	302.0	349.3	397.3	602.0	807.4	1012.1	1216.9
60°	183.1	187.2	191.9	226.3	260.8	294.6	329.0	529.7	729.7	930.4	1130.4
62.5°	162.2	169.6	176.3	205.4	235.1	264.2	293.2	482.4	671.6	860.8	1050.0
65°	141.9	150.0	158.1	192.6	227.7	262.2	296.6	456.7	616.9	777.0	937.1
67.5°	123.6	129.7	136.5	181.8	227.0	272.3	317.6	448.6	579.0	710.1	840.5
70°	108.1	113.5	119.6	172.3	225.0	277.7	330.4	441.9	554.0	665.5	777.0
72.5°	95.3	100.0	104.7	158.1	211.5	264.9	318.2	417.6	516.2	615.5	714.2
75°	83.1	85.1	87.8	133.1	177.7	223.0	267.6	333.8	400.7	466.9	533.1
77.5°	60.1	60.1	60.8	74.3	87.2	100.7	113.5	154.7	195.9	236.5	277.7
80°	41.2	41.9	41.9	47.3	52.0	57.4	62.2	70.9	79.1	87.8	95.9
82.5°	20.9	19.6	18.9	24.3	29.7	35.1	40.5	42.6	43.9	45.9	47.3
85°	2.0	0.7	0.0	3.4	6.8	10.1	13.5	16.2	18.9	21.6	24.3
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: P368327  
 CATALOG NUMBER: MSA-SA4B-727-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: P368327

CATALOG NUMBER: MSA-SA4B-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3
2.5°	1569.6	1564.1	1558.7	1553.3	1586.4	1620.2	1653.3	1686.4	1780.4	1841.8	1835.1
5°	1749.3	1773.6	1797.9	1822.3	1861.4	1901.3	1940.5	1979.7	2118.9	2204.0	2216.2
7.5°	1631.0	1668.2	1706.0	1743.2	1818.9	1893.9	1969.5	2044.5	2158.7	2247.2	2297.2
10°	1438.5	1481.0	1522.9	1565.5	1650.6	1736.4	1821.6	1906.7	2035.1	2157.4	2220.2
12.5°	1442.5	1509.4	1576.3	1643.2	1717.5	1791.8	1865.5	1939.8	2018.2	2059.4	2147.9
15°	1554.7	1607.4	1660.1	1712.8	1810.1	1907.4	2004.0	2101.3	2147.9	2247.2	2350.6
17.5°	1595.9	1699.3	1802.0	1904.7	2026.3	2147.2	2268.9	2389.8	2477.6	2615.5	2722.2
20°	1519.6	1674.3	1828.3	1983.1	2149.9	2316.8	2483.7	2650.6	2746.6	2877.6	3042.5
22.5°	1522.9	1687.1	1850.6	2014.8	2245.2	2474.9	2705.3	2935.1	3192.5	3445.2	3525.6
25°	1546.6	1761.4	1975.6	2190.5	2456.7	2722.9	2989.1	3255.3	3566.1	3831.7	3938.4
27.5°	1554.7	1796.6	2037.8	2279.7	2658.0	3036.4	3414.8	3793.1	4164.1	4464.1	4578.3
30°	1535.1	1831.0	2126.3	2421.6	2885.7	3349.9	3814.1	4278.3	4630.3	4979.6	5121.5
32.5°	1539.8	1916.8	2293.9	2670.9	3217.5	3764.8	4311.4	4858.0	5083.0	5397.8	5647.8
35°	1572.3	1985.8	2398.6	2812.1	3416.8	4021.5	4626.2	5230.9	5599.9	5932.3	6144.4
37.5°	1647.9	2106.0	2563.4	3021.5	3764.8	4508.7	5251.9	5995.1	6566.0	7137.0	7234.3
40°	1704.0	2187.8	2671.6	3155.3	4018.1	4881.0	5743.8	6606.6	7252.5	7872.1	7938.3
42.5°	1767.5	2297.2	2827.6	3357.3	4322.2	5287.0	6251.9	7216.7	7964.7	8596.4	8640.3
45°	1837.1	2382.4	2927.0	3471.5	4482.3	5492.4	6503.2	7513.3	8386.9	9120.7	8955.2
47.5°	1870.2	2453.3	3036.4	3619.5	4703.3	5786.3	6870.1	7953.2	8736.9	9384.2	9191.0
50°	1895.9	2537.1	3179.0	3820.2	4956.6	6093.1	7229.5	8366.0	9151.8	9749.1	9446.4
52.5°	1968.2	2685.1	3402.6	4119.5	5328.2	6536.3	7745.1	8953.2	9713.3	10261.9	9837.6
55°	2038.5	2864.1	3690.4	4516.1	5816.1	7116.7	8416.7	9716.6	10473.4	10943.6	10367.3
57.5°	2127.0	3037.8	3947.9	4858.0	6248.5	7639.0	9028.8	10419.3	11159.2	11678.8	11080.1
60°	2104.0	3076.9	4050.6	5023.5	6439.7	7855.9	9272.1	10688.2	11567.3	12205.8	11799.7
62.5°	2014.8	2979.7	3943.8	4908.7	6299.8	7690.3	9081.5	10472.0	11525.4	12390.2	12253.7
65°	1834.4	2731.0	3628.3	4524.9	5853.2	7182.2	8510.6	9838.9	11138.9	12239.6	12288.2
67.5°	1597.3	2354.0	3110.1	3866.8	5106.0	6345.1	7583.6	8822.7	10357.2	11640.9	11785.5
70°	1345.9	1914.1	2483.0	3051.3	4141.8	5232.3	6322.1	7412.6	9007.9	10299.7	10572.7
72.5°	1079.0	1444.6	1809.4	2174.3	2961.4	3747.9	4535.0	5321.5	6724.8	7727.5	8203.8
75°	699.3	865.5	1031.7	1197.9	1722.3	2245.9	2770.2	3293.8	4225.6	4964.1	5502.6
77.5°	311.5	345.3	378.4	412.2	816.9	1221.6	1626.3	2031.0	2435.7	2881.7	3008.0
80°	111.5	126.3	141.9	156.8	355.4	554.7	753.4	952.0	1147.9	1378.3	1434.4
82.5°	46.6	46.6	45.9	45.3	116.2	187.2	258.1	329.0	380.4	437.2	448.0
85°	18.9	14.2	8.8	3.4	14.9	27.0	38.5	50.0	80.4	73.0	135.1
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: P368327  
 CATALOG NUMBER: MSA-SA4B-727-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: P368327

CATALOG NUMBER: MSA-SA4B-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3
2.5°	1809.4	1808.1	1806.7	1805.4	1804.0	1779.7	1756.0	1731.7	1708.1	1737.8	1767.5
5°	2196.6	2231.7	2266.8	2302.6	2337.8	2347.9	2358.0	2368.2	2378.3	2399.9	2421.6
7.5°	2339.1	2398.6	2457.4	2516.8	2575.6	2630.3	2684.4	2739.1	2793.8	2780.3	2766.8
10°	2289.8	2397.2	2504.7	2612.8	2720.2	2743.8	2767.5	2791.8	2815.5	2877.0	2938.4
12.5°	2236.4	2365.5	2494.5	2623.6	2752.6	2824.3	2895.2	2966.8	3038.4	3100.6	3162.8
15°	2489.8	2572.2	2654.7	2737.8	2820.2	2883.0	2945.2	3008.0	3070.2	3113.4	3156.0
17.5°	2822.9	2863.4	2904.0	2945.2	2985.7	3035.1	3084.4	3133.7	3183.0	3208.7	3234.4
20°	3174.9	3192.5	3210.1	3227.6	3245.2	3206.0	3166.8	3127.6	3088.4	3112.8	3136.4
22.5°	3528.3	3534.4	3541.1	3547.2	3553.3	3462.1	3370.9	3279.6	3188.4	3149.9	3111.4
25°	4072.2	4027.6	3983.0	3938.4	3893.8	3785.7	3677.6	3569.5	3461.4	3366.1	3270.9
27.5°	4661.4	4510.0	4359.3	4208.0	4057.3	3949.2	3841.1	3733.0	3624.9	3481.7	3338.4
30°	5255.3	5011.4	4768.1	4524.2	4281.0	4152.6	4024.2	3895.2	3766.8	3623.6	3481.0
32.5°	5799.9	5506.6	5213.4	4919.5	4626.2	4410.0	4193.8	3977.6	3761.4	3661.4	3561.4
35°	6251.2	5904.6	5558.0	5210.7	4864.1	4649.9	4435.7	4221.5	4007.3	3858.7	3710.7
37.5°	7022.8	6632.9	6243.1	5853.2	5463.4	5170.8	4878.9	4586.4	4293.8	4194.5	4095.2
40°	7734.3	7243.1	6751.9	6260.7	5769.4	5524.2	5279.6	5034.3	4789.7	4626.9	4464.8
42.5°	8299.8	7782.2	7265.4	6747.8	6230.2	5987.7	5745.8	5503.2	5260.7	5151.9	5043.8
45°	8422.1	7934.3	7447.1	6959.3	6471.5	6330.2	6189.7	6048.5	5908.0	5833.0	5758.6
47.5°	8663.3	8134.3	7605.9	7076.8	6547.8	6484.3	6420.8	6356.6	6293.1	6328.9	6364.7
50°	8798.4	8258.6	7718.7	7178.9	6639.0	6657.3	6674.8	6693.1	6711.3	6965.4	7218.7
52.5°	9060.6	8515.3	7970.1	7424.8	6879.6	6994.4	7108.6	7223.5	7337.7	7687.6	8037.0
55°	9528.8	8993.0	8457.2	7920.7	7384.9	7536.3	7687.6	7839.7	7991.0	8362.6	8733.6
57.5°	10222.7	9691.0	9159.9	8628.2	8097.1	8247.8	8398.4	8549.1	8699.8	9035.6	9370.7
60°	11096.3	10550.4	10005.2	9459.2	8914.0	8970.7	9026.8	9083.6	9140.3	9501.1	9861.2
62.5°	11776.7	11274.7	10773.4	10271.4	9770.0	9707.2	9645.0	9582.2	9520.0	9794.3	10068.0
65°	11934.8	11581.5	11228.8	10875.4	10522.0	10328.8	10136.2	9943.0	9749.8	9860.6	9971.4
67.5°	11482.1	11243.6	11005.8	10767.3	10528.8	10125.4	9722.0	9318.0	8914.6	8855.9	8797.1
70°	10431.5	10301.1	10171.4	10041.0	9911.2	9289.6	8668.7	8047.1	7426.2	7276.8	7127.5
72.5°	8231.5	8312.6	8393.7	8475.5	8556.5	7891.0	7226.2	6560.6	5895.1	5705.9	5517.4
75°	5804.6	6079.6	6354.6	6629.6	6904.6	6297.8	5691.7	5085.0	4478.3	4296.5	4115.4
77.5°	3147.2	3662.7	4178.3	4693.8	5209.3	4708.7	4208.7	3708.0	3207.4	3081.0	2955.3
80°	1491.9	1789.1	2085.8	2383.0	2680.3	2567.5	2454.7	2341.2	2228.3	2256.0	2283.7
82.5°	457.4	672.3	887.1	1102.0	1316.9	1333.7	1350.0	1366.9	1383.7	1425.6	1466.9
85°	153.4	210.1	266.9	323.6	380.4	480.4	580.4	681.1	781.1	716.2	652.0
87.5°	0.0	2.0	3.4	5.4	6.8	20.9	35.1	49.3	63.5	54.7	46.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368327  
 CATALOG NUMBER: MSA-SA4B-727-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: P368327

CATALOG NUMBER: MSA-SA4B-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3
2.5°	1797.9	1827.7	1828.3	1829.7	1830.4	1831.0	1834.4	1837.8	1841.8	1845.2	1822.9
5°	2443.9	2465.5	2425.6	2385.8	2345.2	2305.3	2341.2	2377.0	2412.8	2448.6	2433.0
7.5°	2752.6	2739.1	2734.4	2730.3	2725.6	2721.6	2735.1	2748.6	2762.1	2775.6	2774.3
10°	2999.9	3061.4	3076.3	3091.1	3106.7	3121.5	3090.5	3059.4	3028.3	2997.2	2984.4
12.5°	3224.9	3287.1	3336.4	3385.7	3435.7	3485.0	3440.5	3396.5	3351.9	3308.0	3266.1
15°	3199.2	3241.8	3282.3	3322.9	3363.4	3404.0	3389.1	3374.9	3360.0	3345.2	3338.4
17.5°	3260.7	3286.4	3276.9	3267.5	3257.3	3247.9	3243.2	3239.1	3234.4	3229.6	3213.4
20°	3160.7	3185.1	3179.0	3173.6	3167.5	3161.4	3157.4	3153.3	3149.2	3145.2	3132.4
22.5°	3072.9	3034.4	3024.2	3014.8	3004.7	2995.2	2996.5	2997.9	2998.6	2999.9	3058.0
25°	3175.6	3080.3	3043.2	3006.0	2968.2	2931.0	2947.9	2964.1	2981.0	2997.9	3081.7
27.5°	3194.5	3051.3	2991.8	2932.4	2872.9	2813.4	2874.3	2935.1	2995.9	3056.7	3192.5
30°	3337.8	3195.2	3112.1	3029.7	2946.5	2864.1	2941.8	3019.5	3097.2	3174.9	3322.2
32.5°	3460.7	3360.7	3301.3	3241.8	3182.4	3122.9	3126.3	3129.0	3132.4	3135.7	3343.2
35°	3562.1	3414.1	3360.0	3306.7	3252.6	3199.2	3279.6	3360.0	3440.5	3520.9	3707.3
37.5°	3995.8	3896.5	3797.2	3698.6	3599.2	3500.6	3564.8	3629.0	3693.8	3758.0	3964.1
40°	4301.9	4139.8	4114.1	4089.1	4063.4	4038.4	4071.5	4103.9	4137.1	4170.2	4350.6
42.5°	4935.0	4826.2	4756.6	4687.7	4618.1	4549.2	4575.6	4601.9	4628.9	4655.3	4826.2
45°	5683.6	5608.6	5562.7	5516.8	5470.1	5424.2	5384.3	5345.1	5305.3	5266.1	5439.7
47.5°	6400.5	6436.3	6537.7	6638.3	6739.7	6840.4	6757.9	6675.5	6592.4	6510.0	6510.6
50°	7472.8	7726.2	7777.5	7828.2	7879.5	7930.2	7754.5	7578.9	7402.5	7226.8	7205.9
52.5°	8386.9	8736.3	8754.5	8772.7	8791.7	8809.9	8739.0	8668.0	8596.4	8525.5	8337.0
55°	9105.2	9476.1	9501.1	9525.4	9550.4	9574.8	9512.6	9451.1	9389.0	9326.8	9136.3
57.5°	9706.5	10041.6	10056.5	10070.7	10085.6	10100.4	10105.1	10109.9	10115.3	10120.0	9862.6
60°	10222.0	10582.8	10553.1	10524.1	10494.3	10465.3	10420.7	10376.1	10331.5	10286.9	10120.7
62.5°	10342.3	10616.6	10570.7	10525.4	10479.5	10434.2	10396.4	10359.2	10321.4	10283.5	10177.4
65°	10082.2	10193.0	10145.7	10098.4	10050.4	10003.1	9978.8	9955.2	9930.8	9906.5	9893.0
67.5°	8737.6	8678.8	8734.9	8791.0	8847.1	8903.2	8979.5	9055.9	9132.9	9209.2	9164.6
70°	6977.5	6828.2	6890.4	6951.9	7014.0	7075.5	7191.0	7306.6	7422.8	7538.3	7507.2
72.5°	5328.2	5139.1	5147.8	5156.6	5166.1	5174.9	5171.5	5168.8	5165.4	5162.0	5216.1
75°	3933.7	3751.9	3666.1	3580.3	3494.5	3408.7	3387.8	3366.8	3345.9	3324.9	3425.6
77.5°	2829.0	2703.3	2644.5	2586.4	2527.6	2469.5	2499.3	2529.0	2559.4	2589.1	2624.3
80°	2312.1	2339.8	2294.5	2249.9	2204.7	2159.4	2193.2	2226.3	2260.1	2293.9	2189.1
82.5°	1508.7	1550.0	1410.8	1271.6	1132.4	993.2	1077.7	1162.1	1247.3	1331.7	1288.5
85°	587.1	523.0	445.9	369.6	292.6	215.5	280.4	345.3	410.1	475.0	518.2
87.5°	37.8	29.7	23.6	17.6	10.8	4.7	10.1	15.5	21.6	27.0	45.3
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: P368327  
 CATALOG NUMBER: MSA-SA4B-727-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: P368327

CATALOG NUMBER: MSA-SA4B-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3	1428.3
2.5°	1801.3	1779.0	1757.4	1714.8	1672.3	1629.7	1587.1	1646.6	1706.0	1765.5	1825.0
5°	2418.2	2402.6	2387.8	2391.8	2395.9	2400.6	2404.7	2413.5	2422.2	2430.3	2439.1
7.5°	2773.6	2772.2	2770.9	2739.8	2708.7	2677.0	2645.9	2661.4	2677.0	2692.5	2708.0
10°	2972.2	2959.4	2946.5	2878.3	2810.1	2741.1	2672.9	2643.2	2612.8	2583.0	2553.3
12.5°	3224.2	3181.7	3139.8	3066.8	2994.5	2921.5	2848.6	2821.5	2793.8	2766.8	2739.1
15°	3332.3	3325.6	3319.5	3267.5	3214.8	3162.8	3110.1	3017.5	2924.2	2831.7	2739.1
17.5°	3197.2	3180.3	3164.1	3246.5	3328.3	3410.7	3493.2	3397.2	3301.3	3205.3	3109.4
20°	3119.5	3106.7	3093.8	3247.2	3399.9	3553.3	3706.0	3663.4	3620.2	3577.6	3535.0
22.5°	3116.1	3174.9	3233.0	3367.5	3501.3	3635.7	3769.5	3843.1	3917.5	3991.1	4064.8
25°	3165.5	3249.9	3333.7	3556.7	3779.6	4003.3	4226.2	4310.7	4394.5	4478.9	4562.7
27.5°	3327.6	3463.4	3598.6	3793.1	3987.7	4183.0	4377.6	4562.0	4747.2	4931.6	5116.1
30°	3468.8	3616.1	3763.4	3995.2	4226.2	4458.0	4689.1	4920.1	5151.2	5382.3	5613.4
32.5°	3550.6	3758.7	3966.1	4247.9	4528.9	4810.7	5092.4	5345.8	5599.2	5851.9	6105.3
35°	3893.8	4081.0	4267.5	4578.9	4890.4	5202.6	5514.0	5827.6	6141.1	6453.9	6767.4
37.5°	4170.2	4376.9	4583.0	4923.5	5263.4	5603.9	5944.4	6377.5	6811.3	7244.4	7677.5
40°	4531.0	4711.4	4891.8	5210.7	5528.9	5847.8	6166.7	6716.0	7265.4	7814.0	8363.3
42.5°	4996.5	5167.4	5338.4	5679.6	6020.8	6362.0	6703.2	7311.3	7919.4	8526.8	9134.9
45°	5613.4	5787.7	5961.3	6232.9	6504.6	6776.2	7047.8	7694.4	8340.3	8986.9	9632.9
47.5°	6511.3	6512.0	6512.7	6708.6	6904.6	7101.2	7297.1	7948.4	8599.1	9250.4	9901.1
50°	7185.0	7163.3	7142.4	7243.7	7344.4	7445.8	7547.1	8146.4	8746.4	9345.7	9945.0
52.5°	8149.1	7960.6	7772.8	7832.9	7892.4	7952.5	8012.0	8519.4	9027.5	9534.9	10042.3
55°	8946.4	8755.9	8565.3	8543.0	8520.7	8498.4	8476.1	8943.0	9409.9	9876.8	10343.7
57.5°	9605.8	9348.4	9091.7	9040.3	8989.6	8938.3	8886.9	9379.5	9871.4	10363.9	10855.8
60°	9955.2	9788.9	9622.7	9589.6	9555.8	9522.7	9488.9	9893.0	10297.0	10701.1	11105.1
62.5°	10072.0	9966.0	9860.6	9922.7	9984.9	10047.7	10109.9	10287.6	10464.6	10642.3	10819.3
65°	9880.2	9866.6	9853.1	9980.8	10107.9	10235.6	10363.2	10319.3	10274.7	10230.8	10186.9
67.5°	9120.7	9076.1	9032.2	9312.6	9592.3	9872.7	10153.1	9940.3	9726.8	9513.9	9301.1
70°	7476.2	7444.4	7413.3	7817.4	8221.4	8626.1	9030.2	8772.1	8514.0	8255.9	7997.8
72.5°	5269.5	5323.5	5377.6	5853.9	6329.6	6805.9	7281.6	7021.4	6761.3	6501.2	6241.1
75°	3525.6	3626.3	3726.9	4217.5	4708.0	5199.2	5689.7	5384.3	5078.9	4773.5	4468.1
77.5°	2659.4	2694.5	2729.7	3039.8	3349.9	3660.7	3970.8	3718.8	3466.1	3214.1	2961.4
80°	2084.4	1979.0	1874.3	1976.3	2078.3	2180.3	2282.4	2131.7	1981.0	1831.0	1680.4
82.5°	1245.2	1202.0	1158.8	1214.2	1268.9	1324.3	1379.7	1314.8	1249.3	1184.4	1118.9
85°	560.8	604.0	646.6	702.7	758.1	814.2	870.2	779.7	689.2	598.6	508.1
87.5°	62.8	81.1	99.3	123.0	146.6	170.3	193.9	151.3	108.1	65.5	23.0
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: P368327  
 CATALOG NUMBER: MSA-SA4B-727-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: P368327  
 CATALOG NUMBER: MSA-SA4B-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	1428.3	1428.3
2.5°	1859.4	1893.9
5°	2438.5	2437.1
7.5°	2667.5	2626.3
10°	2515.5	2477.6
12.5°	2642.5	2545.9
15°	2666.1	2593.2
17.5°	2990.5	2870.9
20°	3381.7	3227.6
22.5°	3854.0	3642.5
25°	4311.4	4060.0
27.5°	4965.4	4814.1
30°	5460.7	5307.3
32.5°	6001.2	5897.1
35°	6664.0	6560.0
37.5°	7704.5	7730.9
40°	8379.5	8395.7
42.5°	9197.7	9260.6
45°	9703.1	9773.4
47.5°	9999.1	10097.0
50°	10103.1	10261.2
52.5°	10237.6	10432.2
55°	10560.5	10777.4
57.5°	11028.8	11201.7
60°	11113.2	11121.3
62.5°	10694.3	10569.3
65°	10053.8	9920.7
67.5°	9220.7	9139.6
70°	7891.0	7784.3
72.5°	6042.4	5843.8
75°	4222.2	3976.3
77.5°	2832.4	2703.3
80°	1684.4	1687.8
82.5°	1150.0	1180.4
85°	502.0	495.3
87.5°	16.2	8.8
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: P368327  
CATALOG NUMBER: MSA-SA4B-727-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)