

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: P367799

Luminaire Tested: **MSA-SA3B-727-U-SLR-HSS**

Issue Date: 12/2/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P367799  
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-SA3B-727-U-SLR-HSS  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) 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: 8968 lumens  
Efficiency: N/A  
Efficacy: 71.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

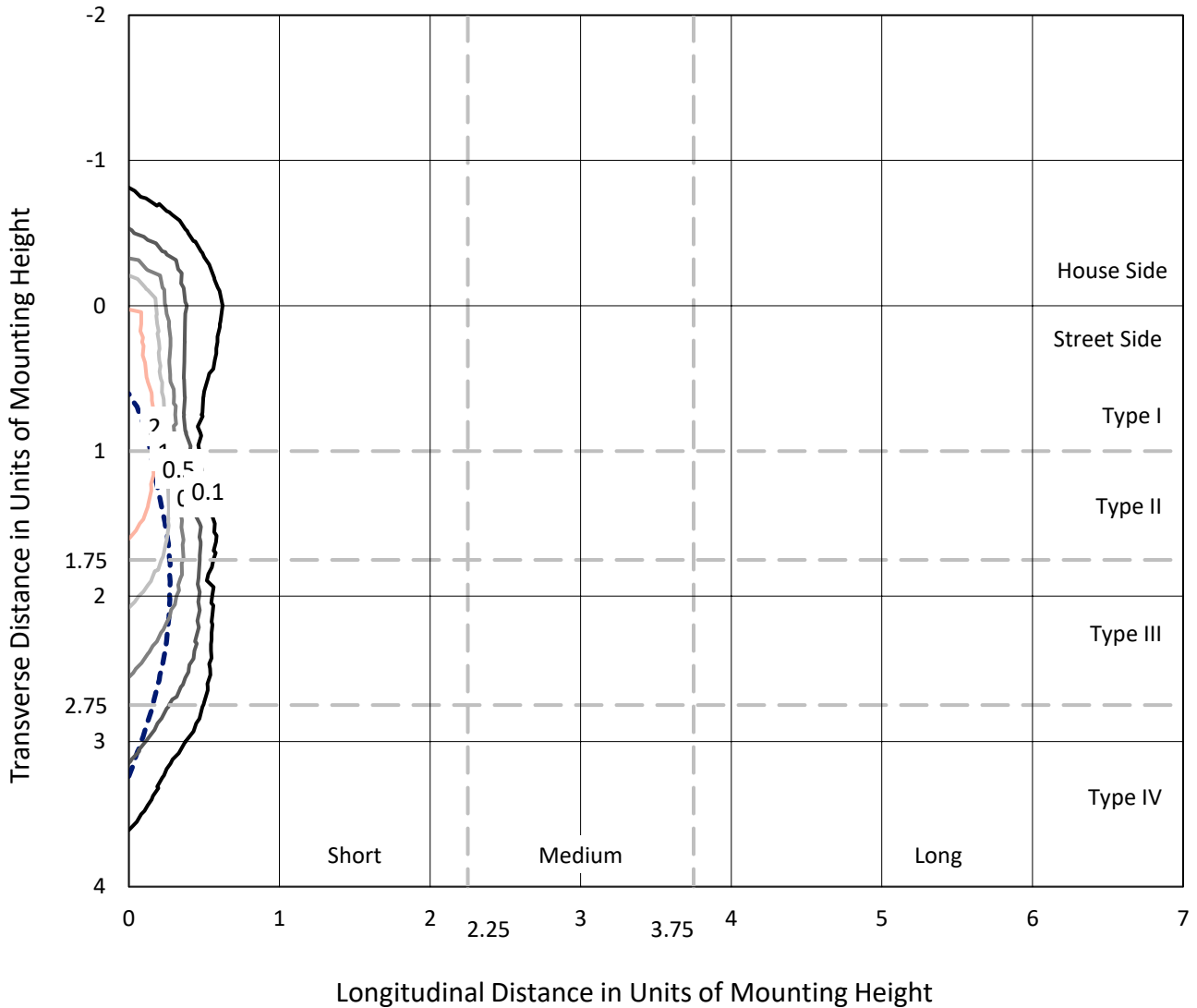
Input Watts (W): 126  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P367799  
 CATALOG NUMBER: MSA-SA3B-727-U-SLR-HSS

### Iso-Footcandle Lines of Horizontal Illumination

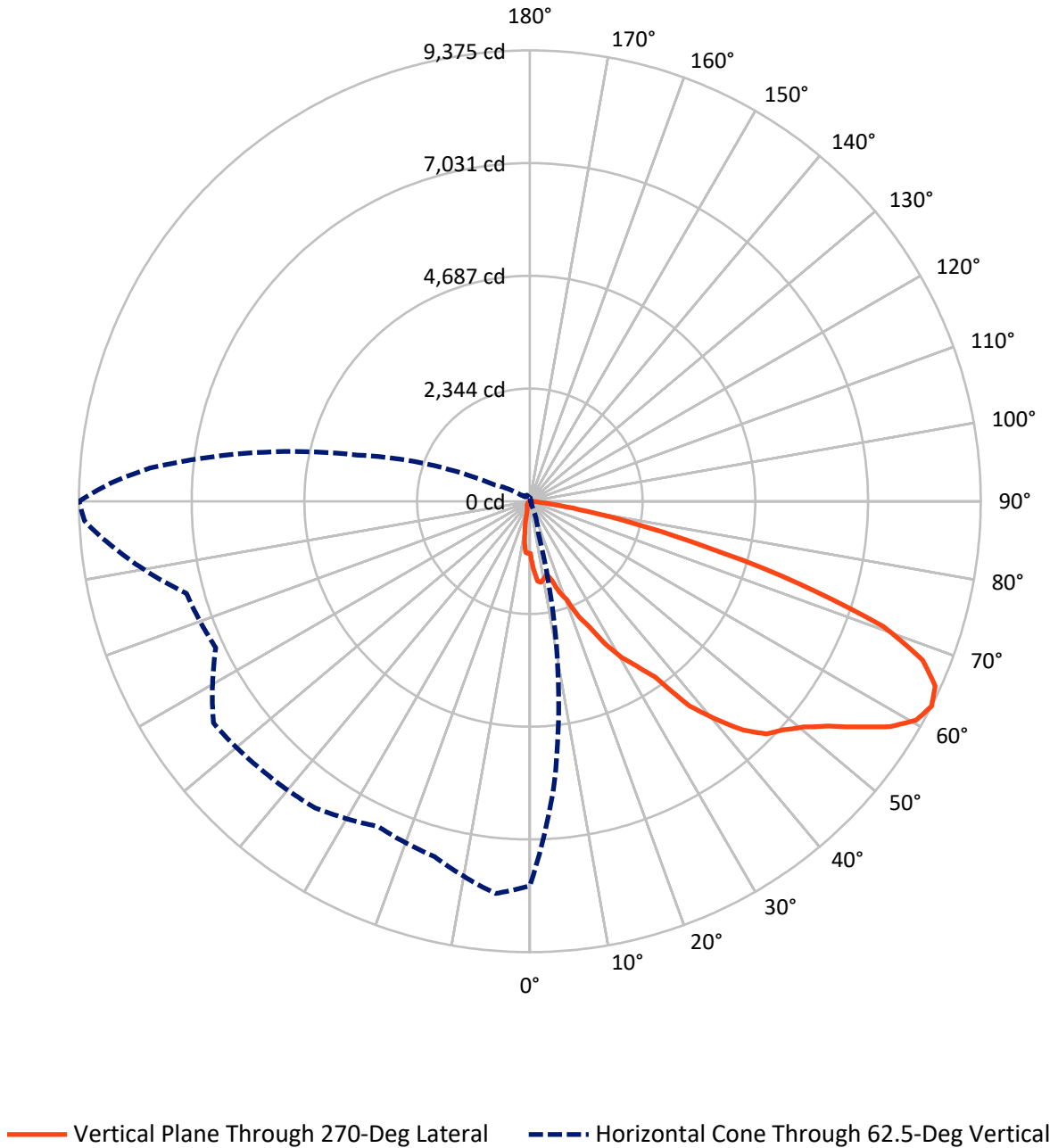
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc  
 Type IV - Short - N/A

REPORT NUMBER: P367799  
CATALOG NUMBER: MSA-SA3B-727-U-SLR-HSS

### Luminous Intensity Polar Plot



REPORT NUMBER: P367799  
 CATALOG NUMBER: MSA-SA3B-727-U-SLR-HSS

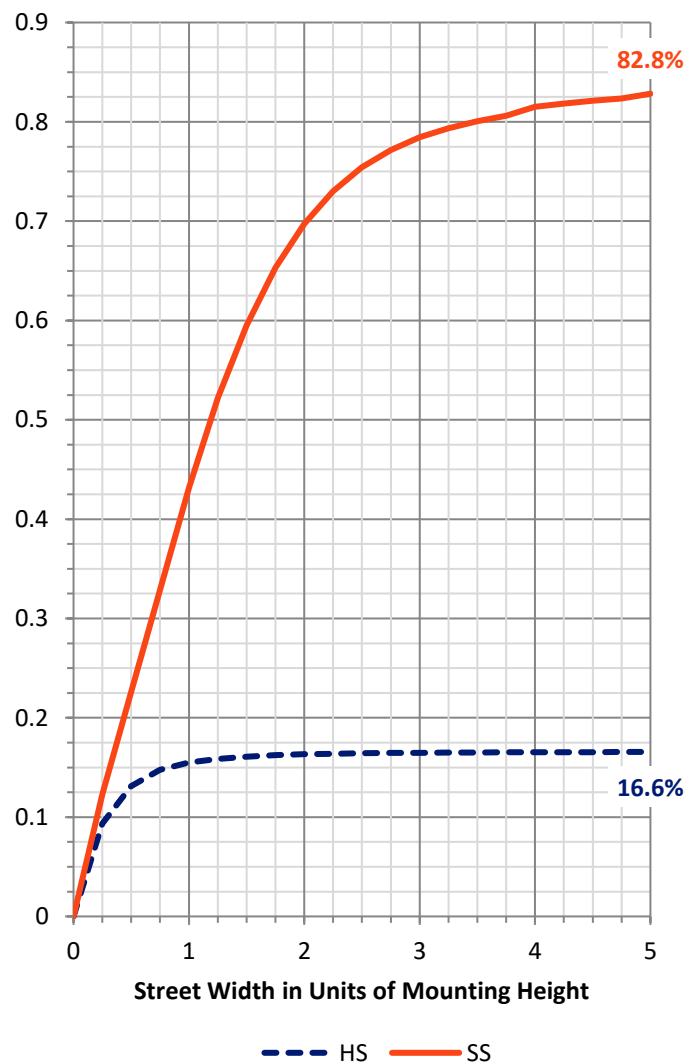
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1497.5	0.0	1497.5
	% Fixture	16.7	0.0	16.7
<b>Street Side</b>	Lumens	7470.5	0.0	7470.5
	% Fixture	83.3	0.0	83.3
<b>Total</b>	Lumens	8968.0	0.0	8968.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.8	1.3
10°-20°	315.4	3.5
20°-30°	509.8	5.7
30°-40°	853.8	9.5
40°-50°	1395.8	15.6
50°-60°	2066.3	23.0
60°-70°	2372.1	26.5
70°-80°	1172.9	13.1
80°-90°	161.1	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°	8968.0	100.0
0°-180°	8968.0	100.0

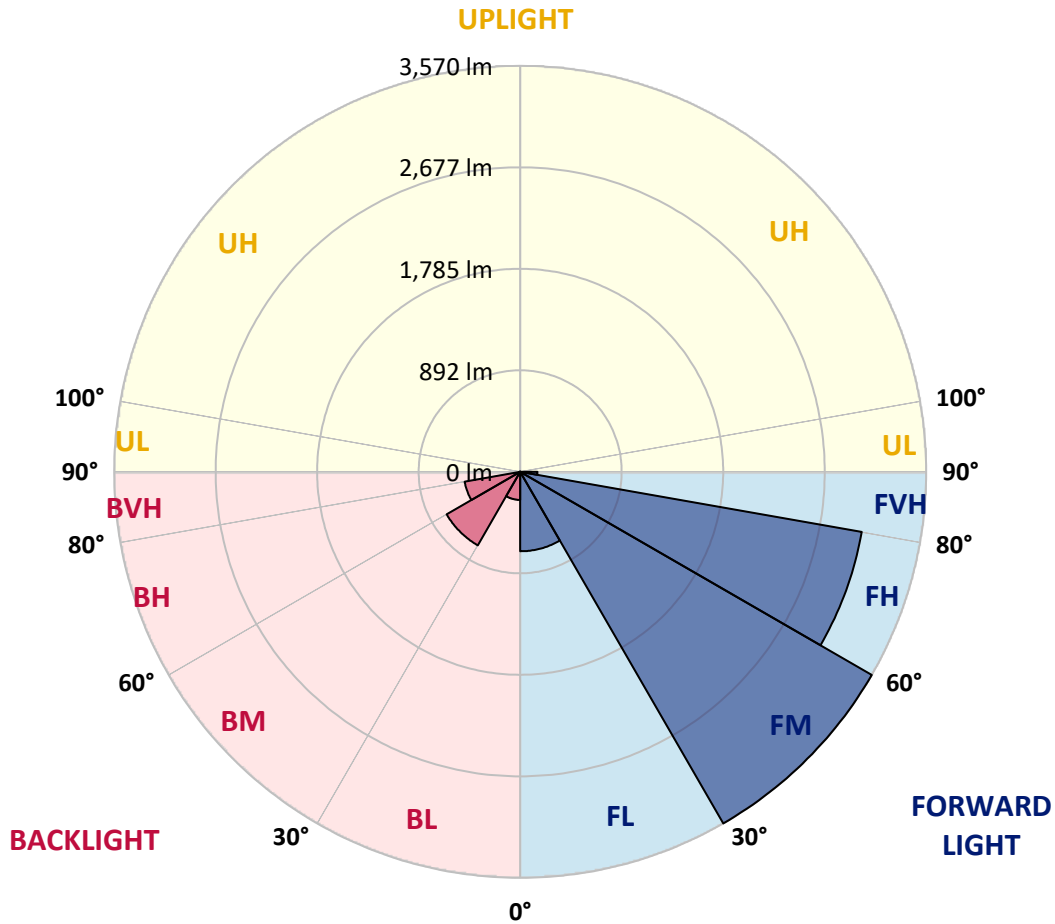


REPORT NUMBER: P367799  
 CATALOG NUMBER: MSA-SA3B-727-U-SLR-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	698.7	7.8			
FM (30°-60°)	3569.7	39.8			
FH (60°-80°)	3049.5	34.0			G2/5000
FVH (80°-90°)	152.5	1.7			G2/225
BL (0°-30°)	247.3	2.8	B1/500		
BM (30°-60°)	746.2	8.3	B1/1000		
BH (60°-80°)	495.5	5.5	B1/500		G1/500
BVH (80°-90°)	8.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type IV Short





REPORT NUMBER: P367799

CATALOG NUMBER: MSA-SA3B-727-U-SLR-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7
2.5°	1432.9	1450.8	1468.2	1435.0	1401.7	1368.5	1335.3	1305.6	1276.0	1245.8	1216.2
5°	1843.9	1811.2	1778.5	1733.5	1688.5	1643.5	1598.5	1577.6	1556.6	1535.7	1514.7
7.5°	1987.1	1928.8	1870.0	1830.1	1790.7	1750.9	1711.0	1648.1	1584.7	1521.9	1458.5
10°	1874.6	1812.7	1750.4	1715.6	1680.8	1646.1	1611.3	1533.1	1454.4	1376.2	1297.4
12.5°	1926.2	1859.3	1792.3	1720.7	1649.1	1577.6	1506.0	1446.2	1385.9	1326.1	1265.7
15°	1962.0	1885.3	1808.1	1726.3	1644.5	1562.8	1481.0	1410.4	1340.4	1269.8	1199.3
17.5°	2172.1	2062.2	1952.3	1826.5	1700.8	1575.0	1449.3	1367.5	1286.2	1204.4	1122.6
20°	2442.0	2286.1	2129.7	1959.4	1789.2	1619.0	1448.8	1347.0	1245.3	1143.6	1041.8
22.5°	2755.9	2561.1	2365.9	2155.7	1946.2	1736.1	1525.9	1379.7	1233.5	1087.3	941.1
25°	3071.8	2896.0	2720.1	2437.4	2154.7	1871.5	1588.8	1403.3	1217.2	1031.6	845.5
27.5°	3642.3	3327.9	3013.5	2653.7	2294.3	1934.4	1574.5	1361.8	1149.2	936.0	723.4
30°	4015.5	3773.7	3531.4	3056.0	2581.1	2105.7	1630.2	1360.8	1091.4	821.5	552.1
32.5°	4461.8	4108.0	3753.8	3238.0	2722.2	2206.4	1690.6	1374.1	1057.2	740.7	423.8
35°	4963.3	4578.3	4193.4	3540.1	2886.8	2232.9	1579.6	1272.9	966.2	659.5	352.7
37.5°	5849.2	5205.1	4561.0	3799.3	3037.1	2275.4	1513.2	1207.0	900.2	594.0	287.3
40°	6352.2	5737.2	5122.3	4170.4	3218.5	2266.7	1314.8	1042.9	771.4	499.4	227.5
42.5°	7006.6	6226.5	5445.9	4382.0	3318.2	2254.4	1190.6	939.1	687.6	435.5	184.0
45°	7394.6	6510.7	5626.8	4474.1	3321.3	2168.5	1015.8	798.0	580.2	362.4	144.7
47.5°	7639.4	6753.0	5866.6	4629.0	3391.8	2154.2	916.6	716.2	515.8	315.4	115.0
50°	7763.7	6874.7	5985.2	4713.3	3441.4	2169.0	897.2	697.8	497.9	298.5	98.7
52.5°	7893.0	7035.7	6177.9	4859.5	3541.1	2222.7	904.3	700.9	497.9	294.5	91.0
55°	8154.2	7308.7	6462.6	5069.1	3675.6	2282.0	888.5	688.1	487.7	286.8	86.4
57.5°	8475.3	7571.4	6667.1	5222.5	3777.8	2333.1	888.5	687.1	485.6	283.7	82.3
60°	8414.4	7433.4	6451.9	5050.2	3648.5	2246.2	844.5	652.8	461.6	269.9	78.2
62.5°	7996.8	6931.9	5866.6	4571.2	3275.3	1979.9	684.0	531.1	378.3	224.9	72.1
65°	7506.0	6375.7	5245.0	4052.8	2860.2	1668.1	475.4	373.2	270.4	168.2	65.4
67.5°	6915.1	5709.6	4504.2	3444.0	2384.3	1324.0	263.8	212.7	161.5	109.9	58.8
70°	5889.6	4645.3	3400.5	2585.7	1771.3	956.5	141.6	119.6	97.6	75.7	53.7
72.5°	4421.4	3281.4	2141.4	1626.7	1112.4	597.6	82.8	74.6	65.9	57.8	49.1
75°	3008.4	2154.2	1300.0	989.7	679.9	369.6	59.3	55.2	50.6	46.5	41.9
77.5°	2045.3	1479.4	913.5	697.3	481.0	264.8	48.6	46.0	43.5	40.4	37.8
80°	1277.0	874.2	471.3	363.0	254.1	145.7	36.8	35.3	33.7	31.7	30.2
82.5°	893.1	534.2	175.3	137.0	98.7	59.8	21.5	22.0	22.5	22.5	23.0
85°	374.7	202.4	30.2	25.6	21.0	16.4	11.8	12.8	14.3	15.3	16.4
87.5°	6.6	3.6	0.0	1.0	2.6	3.6	4.6	6.1	7.2	8.7	9.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367799  
 CATALOG NUMBER: MSA-SA3B-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: P367799  
 CATALOG NUMBER: MSA-SA3B-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°	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7
2.5°	1223.8	1231.5	1238.6	1246.3	1240.2	1234.6	1228.4	1222.3	1213.1	1204.4	1195.2
5°	1489.1	1463.6	1438.0	1412.5	1373.6	1334.8	1295.4	1256.5	1251.9	1247.3	1242.2
7.5°	1398.7	1338.8	1278.5	1218.7	1162.5	1106.2	1050.0	993.8	976.4	959.5	942.1
10°	1251.4	1205.4	1158.9	1112.9	1072.5	1031.6	991.2	950.3	907.9	865.5	822.5
12.5°	1217.7	1169.6	1121.1	1073.0	1036.2	999.4	962.6	925.8	878.2	830.7	783.2
15°	1147.1	1095.0	1042.9	990.7	941.6	892.6	843.0	793.9	736.6	679.4	622.1
17.5°	1060.7	999.4	937.5	875.7	811.3	746.9	682.5	618.0	552.1	486.7	420.7
20°	958.0	874.2	789.8	706.0	626.2	546.5	466.2	386.5	345.1	304.2	262.8
22.5°	832.8	723.9	615.5	506.6	441.2	375.2	309.8	243.8	226.0	208.1	190.2
25°	722.3	599.1	475.9	352.7	311.3	269.9	228.5	187.1	178.9	170.2	162.1
27.5°	607.3	491.8	375.7	259.7	236.2	212.1	188.6	164.6	159.0	153.9	148.2
30°	465.7	379.3	292.4	206.0	190.7	175.3	159.5	144.2	141.6	138.5	136.0
32.5°	360.9	297.5	234.6	171.3	162.6	153.9	145.2	136.5	132.4	128.3	123.7
35°	301.6	251.0	199.9	148.8	142.6	136.0	129.8	123.2	119.1	114.5	110.4
37.5°	250.0	213.2	175.9	138.5	131.9	125.2	118.1	111.4	108.4	105.3	102.2
40°	206.0	184.5	163.1	141.6	131.9	122.2	112.5	102.8	100.2	97.6	95.1
42.5°	170.2	156.4	142.1	128.3	121.2	114.5	107.4	100.2	96.6	92.5	88.9
45°	137.5	129.8	122.7	115.0	115.5	116.0	116.0	116.6	107.4	97.6	88.4
47.5°	111.4	107.9	103.8	100.2	104.3	108.4	112.0	116.0	106.3	96.6	86.4
50°	95.6	93.0	90.0	86.9	91.0	95.6	99.7	103.8	99.7	96.1	92.0
52.5°	87.4	83.8	80.3	76.7	78.2	80.3	81.8	83.3	83.3	83.3	83.3
55°	82.3	78.7	74.6	70.5	69.0	67.0	65.4	63.4	60.8	58.8	56.2
57.5°	78.2	74.1	69.5	65.4	62.9	59.8	57.3	54.2	51.6	48.6	46.0
60°	74.1	70.0	65.4	61.3	58.8	56.2	53.2	50.6	47.5	45.0	41.9
62.5°	68.5	64.9	61.3	57.8	55.2	53.2	50.6	48.1	45.0	41.9	38.3
65°	62.4	59.8	56.7	53.7	51.1	48.6	46.0	43.5	40.4	37.8	34.8
67.5°	56.7	54.2	52.1	49.6	46.5	44.0	40.9	37.8	35.8	33.7	31.2
70°	52.1	50.1	48.6	46.5	43.5	40.9	37.8	34.8	33.2	31.2	29.6
72.5°	47.5	46.0	44.0	42.4	39.9	37.3	34.8	32.2	30.7	29.1	27.6
75°	40.9	39.9	38.9	37.8	35.3	32.7	29.6	27.1	26.6	26.1	25.6
77.5°	36.8	36.3	35.3	34.3	31.7	29.1	26.6	24.0	24.5	25.0	25.0
80°	30.2	30.2	29.6	29.6	27.6	25.6	23.0	21.0	22.0	23.5	24.5
82.5°	23.0	23.0	23.0	23.0	21.0	18.9	16.9	14.8	16.4	17.4	18.9
85°	15.8	15.3	14.8	14.3	12.8	11.8	10.2	8.7	10.7	12.3	14.3
87.5°	9.7	10.2	10.2	10.2	9.2	7.7	6.6	5.1	6.1	6.6	7.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367799  
 CATALOG NUMBER: MSA-SA3B-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: P367799  
 CATALOG NUMBER: MSA-SA3B-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7
2.5°	1186.0	1170.7	1155.3	1139.5	1124.1	1088.4	1052.6	1016.8	981.0	1007.6	1033.7
5°	1237.6	1208.0	1177.8	1148.2	1118.0	1104.7	1091.9	1078.6	1065.3	1067.4	1070.0
7.5°	924.8	905.3	885.9	866.0	846.6	842.5	838.9	834.8	830.7	839.4	847.6
10°	780.1	753.0	725.4	698.3	670.7	655.9	641.1	626.2	611.4	609.9	607.8
12.5°	735.6	694.2	653.3	611.9	570.5	538.3	506.1	473.9	441.7	444.2	446.8
15°	564.9	523.5	482.6	441.2	399.8	373.7	347.1	321.0	294.5	286.8	279.1
17.5°	354.8	324.1	293.4	262.2	231.6	222.9	214.7	206.0	197.3	194.8	192.2
20°	221.4	208.1	194.8	181.0	167.7	165.6	163.6	161.5	159.5	161.0	162.6
22.5°	172.3	166.7	160.5	154.9	148.8	146.7	144.7	142.6	140.6	142.1	143.1
25°	153.4	149.3	145.2	141.1	137.0	135.0	132.4	130.4	127.8	128.8	130.4
27.5°	142.6	139.0	135.5	131.9	128.3	124.7	121.7	118.1	114.5	116.6	118.1
30°	132.9	128.8	125.2	121.2	117.1	113.5	109.9	105.8	102.2	104.3	106.3
32.5°	119.6	116.0	112.0	108.4	104.3	102.2	100.2	97.6	95.6	97.1	98.2
35°	105.8	102.8	100.2	97.1	94.1	92.0	90.5	88.4	86.4	86.9	87.9
37.5°	99.2	95.6	92.0	88.4	84.9	83.8	82.8	81.3	80.3	80.3	80.3
40°	92.5	88.9	85.4	81.3	77.7	76.2	74.6	73.1	71.6	71.6	71.6
42.5°	84.9	81.3	77.7	74.1	70.5	69.0	67.0	65.4	63.4	63.4	63.4
45°	78.7	75.1	72.1	68.5	64.9	62.4	59.8	56.7	54.2	53.7	53.2
47.5°	76.7	71.6	66.5	61.3	56.2	53.7	51.1	48.1	45.5	45.0	44.5
50°	87.9	77.7	67.5	57.3	47.0	45.0	42.9	40.9	38.9	37.8	37.3
52.5°	83.3	72.6	61.9	51.1	40.4	38.9	37.3	35.8	34.3	33.2	32.2
55°	53.7	49.1	45.0	40.4	35.8	34.8	33.7	32.2	31.2	30.2	29.1
57.5°	42.9	40.4	38.3	35.8	33.2	32.2	31.2	29.6	28.6	27.1	26.1
60°	38.9	36.8	34.8	32.7	30.7	29.6	28.6	27.6	26.6	25.0	24.0
62.5°	35.3	33.7	32.2	30.7	29.1	28.1	27.1	26.1	25.0	23.5	22.0
65°	31.7	30.7	29.6	28.6	27.6	26.6	25.6	24.0	23.0	21.5	19.9
67.5°	29.1	28.6	28.1	27.6	27.1	26.1	24.5	23.5	22.0	20.4	18.4
70°	27.6	27.6	27.6	27.1	27.1	26.1	24.5	23.5	22.0	19.9	18.4
72.5°	26.1	26.6	27.1	27.1	27.6	26.1	24.5	23.0	21.5	19.4	17.9
75°	25.0	25.6	26.1	26.1	26.6	25.6	24.5	23.0	22.0	19.9	17.9
77.5°	25.6	26.1	26.1	26.6	26.6	25.6	24.5	23.0	22.0	19.4	16.9
80°	25.6	25.0	24.5	23.5	23.0	21.0	18.9	16.4	14.3	11.2	8.7
82.5°	19.9	18.9	18.4	17.4	16.4	14.3	12.3	10.2	8.2	6.1	4.1
85°	15.8	14.8	14.3	13.3	12.3	10.7	8.7	7.2	5.1	4.1	2.6
87.5°	8.2	7.7	6.6	6.1	5.1	4.1	2.6	1.5	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: P367799  
 CATALOG NUMBER: MSA-SA3B-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: P367799  
 CATALOG NUMBER: MSA-SA3B-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°	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7
2.5°	1060.2	1086.3	1082.7	1079.2	1096.0	1112.9	1100.6	1088.9	1076.6	1064.3	1038.8
5°	1072.0	1074.0	1070.5	1066.4	1066.9	1067.4	1059.2	1051.0	1042.9	1034.7	1033.1
7.5°	856.3	864.4	875.7	886.4	886.9	886.9	880.8	874.7	868.0	861.9	865.0
10°	606.3	604.2	607.3	610.4	609.9	608.8	625.2	641.6	657.4	673.8	662.0
12.5°	448.8	451.4	438.6	425.8	430.4	434.5	437.1	439.6	442.2	444.7	451.9
15°	271.4	263.8	254.6	245.4	250.0	254.1	258.7	262.8	267.4	271.4	276.1
17.5°	189.1	186.6	182.5	177.9	178.4	178.9	179.4	179.9	179.9	180.5	181.5
20°	164.1	165.6	162.6	159.0	158.0	156.4	155.4	154.4	152.9	151.8	150.3
22.5°	144.7	145.7	146.2	146.2	144.2	141.6	139.6	138.0	136.0	133.9	132.9
25°	131.4	132.4	131.4	129.8	128.8	127.8	126.8	125.2	124.2	122.7	122.2
27.5°	120.1	121.7	121.7	121.2	120.1	118.6	116.0	114.0	111.4	108.9	109.4
30°	108.4	110.4	110.4	109.9	109.4	108.9	106.3	103.8	101.2	98.7	99.7
32.5°	99.7	100.7	100.2	99.7	99.7	99.2	97.1	95.6	93.6	91.5	91.5
35°	88.4	88.9	88.9	88.9	88.9	88.4	86.9	85.4	83.8	82.3	82.8
37.5°	80.3	80.3	81.8	82.8	81.8	80.8	79.7	78.2	77.2	75.7	75.7
40°	71.1	71.1	72.6	73.6	72.6	71.6	71.1	70.0	69.5	68.5	68.5
42.5°	62.9	62.9	64.4	65.4	65.4	64.9	63.9	62.9	61.9	60.8	61.3
45°	52.7	52.1	54.7	56.7	55.7	54.7	54.7	54.2	54.2	53.7	54.2
47.5°	43.5	42.9	45.0	47.0	46.5	45.5	45.5	45.5	45.5	45.5	46.0
50°	36.3	35.3	37.3	38.9	38.3	37.3	37.3	37.8	37.8	37.8	38.3
52.5°	31.2	30.2	31.7	32.7	32.2	31.7	31.7	32.2	32.2	32.2	32.7
55°	27.6	26.6	28.1	29.1	28.6	27.6	28.1	28.1	28.6	28.6	28.6
57.5°	24.5	23.0	24.0	25.0	25.0	24.5	25.0	25.0	25.6	25.6	25.6
60°	22.5	21.0	22.0	22.5	22.5	22.0	22.5	22.5	23.0	23.0	23.0
62.5°	19.9	18.4	19.4	19.9	19.9	19.4	19.9	19.9	20.4	20.4	20.4
65°	17.9	16.4	16.9	17.4	17.4	17.4	17.9	17.9	18.4	18.4	18.4
67.5°	16.9	14.8	15.3	15.8	15.8	15.8	16.4	16.4	16.9	16.9	17.4
70°	16.4	14.3	14.8	14.8	15.3	15.3	15.3	15.8	15.8	15.8	15.8
72.5°	15.8	13.8	13.8	13.8	14.3	14.3	14.3	14.8	14.8	14.8	14.8
75°	15.8	13.8	13.3	12.8	13.3	13.3	13.3	13.8	13.8	13.8	13.8
77.5°	13.8	11.2	10.2	8.7	10.2	11.2	11.8	11.8	12.3	12.3	12.3
80°	5.6	2.6	1.5	0.0	0.5	1.0	1.5	2.0	2.6	3.1	3.6
82.5°	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.5	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: P367799  
 CATALOG NUMBER: MSA-SA3B-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: P367799  
 CATALOG NUMBER: MSA-SA3B-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7
2.5°	1013.2	987.6	962.1	974.4	986.6	998.9	1011.2	1010.1	1008.6	1007.6	1006.1
5°	1032.1	1030.6	1029.1	1021.9	1015.3	1008.1	1000.9	999.4	997.4	995.8	993.8
7.5°	868.0	870.6	873.6	865.5	857.3	849.1	840.9	820.0	799.0	777.5	756.6
10°	650.3	638.0	626.2	625.2	624.2	623.2	622.1	620.1	618.0	615.5	613.4
12.5°	459.6	466.7	473.9	471.3	468.8	465.7	463.2	466.7	470.8	474.4	478.0
15°	280.1	284.7	288.8	298.0	307.2	316.4	325.6	329.2	333.3	336.9	340.5
17.5°	182.5	183.0	184.0	194.3	204.0	214.2	223.9	230.6	237.2	243.3	250.0
20°	148.8	147.2	145.7	151.3	156.9	162.6	168.2	174.3	180.5	186.6	192.7
22.5°	132.4	131.4	130.4	132.4	134.4	136.0	138.0	142.6	147.7	152.3	156.9
25°	121.7	120.6	120.1	121.2	122.2	123.2	124.2	126.8	129.3	131.9	134.4
27.5°	109.4	109.9	109.9	110.9	111.4	112.5	113.0	114.0	115.5	116.6	117.6
30°	100.2	101.2	101.7	102.8	103.3	104.3	104.8	104.3	103.8	103.3	102.8
32.5°	91.5	91.0	91.0	92.0	92.5	93.6	94.1	95.1	96.1	96.6	97.6
35°	82.8	83.3	83.3	83.3	83.8	83.8	83.8	84.9	86.4	87.4	88.4
37.5°	75.1	75.1	74.6	76.2	77.2	78.7	79.7	80.8	82.3	83.3	84.3
40°	68.5	68.5	68.5	69.5	70.5	71.1	72.1	74.6	77.2	79.7	82.3
42.5°	61.3	61.9	61.9	62.9	63.9	64.4	65.4	67.5	69.0	71.1	72.6
45°	54.7	55.2	55.7	56.7	57.3	58.3	58.8	59.8	60.3	61.3	61.9
47.5°	47.0	47.5	48.1	49.1	49.6	50.6	51.1	50.6	50.6	50.1	49.6
50°	39.4	39.9	40.4	41.9	42.9	44.5	45.5	44.5	43.5	41.9	40.9
52.5°	33.2	33.2	33.7	34.8	35.8	36.3	37.3	36.8	36.3	35.8	35.3
55°	28.6	28.6	28.6	29.1	29.6	30.2	30.7	31.2	31.2	31.7	31.7
57.5°	25.6	25.0	25.0	25.6	26.1	26.1	26.6	27.1	27.1	27.6	27.6
60°	23.0	22.5	22.5	23.0	23.5	24.0	24.5	24.5	24.5	24.0	24.0
62.5°	20.4	20.4	20.4	21.0	21.0	21.5	21.5	21.5	22.0	22.0	22.0
65°	18.9	18.9	18.9	18.9	18.9	18.4	18.4	18.9	18.9	19.4	19.4
67.5°	17.4	17.9	17.9	17.4	16.9	16.4	15.8	16.4	16.4	16.9	16.9
70°	15.8	15.8	15.8	15.3	14.8	14.3	13.8	13.8	13.8	13.3	13.3
72.5°	14.8	14.3	14.3	13.8	12.8	12.3	11.2	10.7	10.7	10.2	9.7
75°	13.8	13.3	13.3	12.3	11.2	10.2	9.2	8.7	7.7	7.2	6.1
77.5°	12.3	12.3	12.3	10.7	9.7	8.2	6.6	5.6	4.6	3.1	2.0
80°	4.1	4.6	5.1	4.6	4.6	4.1	3.6	2.6	2.0	1.0	0.0
82.5°	0.5	0.5	0.5	0.5	0.5	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: P367799  
 CATALOG NUMBER: MSA-SA3B-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: P367799  
 CATALOG NUMBER: MSA-SA3B-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°	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7
2.5°	1011.7	1017.3	1022.9	1028.5	1029.1	1029.6	1030.1	1030.6	1017.8	1004.5	991.7
5°	1004.0	1014.7	1025.0	1035.2	1029.6	1023.9	1018.3	1012.7	1012.2	1012.2	1011.7
7.5°	758.1	759.1	760.7	761.7	763.7	765.8	767.3	769.4	777.5	785.7	793.4
10°	606.8	600.2	593.0	586.4	581.2	575.6	570.5	564.9	569.0	573.6	577.7
12.5°	472.4	466.7	460.6	455.0	452.9	450.9	448.3	446.3	459.6	472.9	485.6
15°	339.4	338.4	336.9	335.9	342.5	349.2	355.8	362.4	373.7	384.4	395.7
17.5°	252.5	255.1	257.6	260.2	264.3	268.4	272.0	276.1	284.2	292.9	301.1
20°	195.8	199.4	202.4	205.5	204.5	203.5	201.9	200.9	207.5	214.2	220.3
22.5°	160.0	162.6	165.6	168.2	168.7	169.2	169.7	170.2	174.3	177.9	182.0
25°	137.0	140.1	142.6	145.2	145.7	146.2	146.7	147.2	152.3	157.5	162.1
27.5°	121.2	124.2	127.8	130.9	131.9	132.9	133.9	135.0	138.0	140.6	143.6
30°	106.8	110.9	115.0	119.1	120.6	122.2	123.7	125.2	128.3	131.9	135.0
32.5°	99.7	102.2	104.3	106.3	109.9	113.0	116.6	119.6	123.2	127.3	130.9
35°	91.5	94.1	97.1	99.7	102.2	104.8	106.8	109.4	111.4	113.5	115.0
37.5°	86.4	88.9	91.0	93.0	94.1	95.1	95.6	96.6	97.6	98.7	99.2
40°	82.3	81.8	81.8	81.3	82.3	83.8	84.9	85.9	88.9	91.5	94.6
42.5°	71.6	70.0	69.0	67.5	70.0	72.1	74.6	76.7	80.8	84.9	88.9
45°	60.8	59.8	58.3	57.3	60.8	64.4	68.0	71.6	76.2	80.3	84.9
47.5°	50.1	50.6	50.6	51.1	54.7	58.3	61.3	64.9	69.5	74.1	78.7
50°	41.9	42.9	44.0	45.0	48.6	51.6	55.2	58.3	63.4	68.0	73.1
52.5°	36.8	38.3	39.4	40.9	44.0	47.5	50.6	53.7	58.3	62.9	67.5
55°	33.2	35.3	36.8	38.3	40.9	43.5	46.0	48.6	53.2	57.8	61.9
57.5°	29.1	30.7	32.2	33.7	36.3	38.9	40.9	43.5	47.5	52.1	56.2
60°	25.6	26.6	28.1	29.1	31.2	33.7	35.8	37.8	41.9	46.0	49.6
62.5°	22.5	23.5	24.0	24.5	26.6	28.6	30.7	32.7	36.3	40.4	44.0
65°	19.9	20.4	20.4	21.0	22.5	24.5	26.1	27.6	31.7	35.3	39.4
67.5°	16.9	17.4	17.4	17.4	18.9	20.4	22.0	23.5	27.1	31.2	34.8
70°	13.3	13.8	13.8	13.8	15.3	17.4	18.9	20.4	23.5	26.6	29.6
72.5°	10.2	10.2	10.7	10.7	12.3	14.3	15.8	17.4	19.9	22.5	25.0
75°	6.6	7.2	7.2	7.7	9.2	11.2	12.8	14.3	16.9	19.4	21.5
77.5°	2.6	3.6	4.1	4.6	6.1	7.7	9.2	10.7	12.8	15.3	17.4
80°	0.0	0.5	0.5	0.5	1.5	2.0	3.1	3.6	5.1	7.2	8.7
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: P367799  
 CATALOG NUMBER: MSA-SA3B-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: P367799  
 CATALOG NUMBER: MSA-SA3B-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7
2.5°	978.4	1006.6	1034.7	1062.8	1090.9	1125.7	1160.4	1165.5	1170.7	1164.5	1158.9
5°	1011.2	1025.0	1038.3	1052.1	1065.3	1105.2	1144.6	1145.1	1145.1	1145.6	1145.6
7.5°	801.6	813.3	825.1	836.3	848.1	874.2	900.2	909.9	919.1	917.1	915.1
10°	581.8	597.1	611.9	627.2	642.1	666.1	690.1	699.3	708.0	736.1	764.8
12.5°	498.9	513.8	528.6	542.9	557.7	582.3	606.8	624.7	642.1	659.5	676.8
15°	406.4	418.2	430.4	442.2	453.9	465.2	476.4	498.4	519.9	537.3	554.7
17.5°	309.3	314.4	319.0	324.1	328.7	333.8	338.9	348.1	356.8	372.2	387.0
20°	227.0	231.1	235.2	238.7	242.8	247.9	253.0	259.7	265.8	269.4	272.5
22.5°	185.6	191.7	197.8	203.5	209.6	213.2	216.8	218.8	220.8	222.4	223.9
25°	167.2	172.8	177.9	183.5	188.6	190.2	191.7	195.8	199.9	199.9	199.9
27.5°	146.2	153.9	162.1	169.7	177.4	179.4	181.0	182.5	183.5	181.5	178.9
30°	138.0	145.7	153.4	160.5	168.2	171.3	173.8	175.3	176.9	174.3	171.8
32.5°	134.4	141.6	148.2	155.4	162.1	166.1	169.7	173.8	177.4	177.9	178.9
35°	117.1	121.7	126.8	131.4	136.0	138.0	140.1	141.6	142.6	142.6	142.6
37.5°	100.2	106.3	113.0	119.1	125.2	129.8	134.4	135.0	135.0	136.0	137.5
40°	97.1	103.3	109.4	115.0	121.2	126.3	130.9	131.4	131.9	132.9	133.9
42.5°	93.0	99.7	106.3	113.0	119.6	124.7	129.3	129.3	128.8	130.4	131.4
45°	88.9	95.6	101.7	108.4	114.5	121.2	127.3	125.8	123.7	126.3	128.3
47.5°	83.3	90.5	97.6	104.3	111.4	117.6	123.2	122.2	120.6	123.2	125.8
50°	77.7	84.9	92.0	99.2	106.3	113.0	119.1	118.1	117.1	120.1	122.7
52.5°	72.1	79.2	86.9	94.1	101.2	106.8	112.0	111.4	110.9	114.0	117.6
55°	66.5	73.1	80.3	86.9	93.6	99.7	105.3	104.3	103.3	105.8	108.4
57.5°	60.3	67.0	73.1	79.7	85.9	91.0	95.6	94.1	92.5	95.6	98.7
60°	53.7	59.8	65.9	71.6	77.7	81.8	85.4	84.3	82.8	85.9	88.9
62.5°	47.5	53.2	58.8	63.9	69.5	72.6	75.7	74.6	73.6	76.7	80.3
65°	42.9	47.5	51.6	56.2	60.3	63.4	66.5	64.9	63.4	67.0	70.0
67.5°	38.3	41.9	46.0	49.6	53.2	55.7	58.3	57.3	55.7	58.3	60.8
70°	32.7	36.3	39.9	42.9	46.5	49.1	51.6	50.1	48.1	50.6	53.2
72.5°	27.6	30.7	33.7	36.3	39.4	41.4	43.5	41.9	40.4	42.4	44.5
75°	24.0	26.6	29.1	31.2	33.7	34.8	35.8	35.3	34.3	36.3	37.8
77.5°	19.4	21.5	24.0	26.1	28.1	28.1	28.1	28.6	28.6	30.7	33.2
80°	10.2	12.3	14.3	15.8	17.9	17.9	17.4	18.4	18.9	21.5	24.0
82.5°	0.0	1.5	3.1	4.6	6.1	5.6	4.6	5.1	5.1	6.1	7.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0
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: P367799  
 CATALOG NUMBER: MSA-SA3B-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: P367799  
 CATALOG NUMBER: MSA-SA3B-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°	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7
2.5°	1152.8	1146.6	1142.5	1139.0	1134.9	1130.8	1135.9	1141.0	1145.6	1150.7	1166.1
5°	1146.1	1146.1	1142.5	1139.0	1135.4	1131.8	1139.5	1146.6	1154.3	1161.5	1160.9
7.5°	912.5	910.5	931.9	952.9	974.4	995.3	1000.9	1006.6	1011.7	1017.3	1015.8
10°	792.9	821.0	830.2	839.4	848.6	857.8	869.0	880.3	891.5	902.8	906.9
12.5°	694.2	711.6	741.2	770.4	800.0	829.2	844.0	859.3	874.2	889.0	918.1
15°	572.0	589.4	615.0	640.5	666.1	691.7	715.2	739.2	762.7	786.2	821.5
17.5°	402.3	417.1	436.6	456.0	474.9	494.3	530.6	566.9	603.2	639.5	676.8
20°	276.1	279.1	288.3	298.0	307.2	316.4	349.2	382.4	415.1	447.8	496.9
22.5°	224.9	226.5	231.1	235.7	239.8	244.4	261.2	278.6	295.5	312.3	352.2
25°	199.4	199.4	202.4	205.5	208.6	211.6	220.8	230.0	238.7	247.9	273.5
27.5°	176.9	174.3	178.9	183.5	188.1	192.7	199.4	206.5	213.2	219.8	237.2
30°	169.2	166.7	172.3	177.9	183.5	189.1	195.8	202.4	208.6	215.2	227.0
32.5°	179.4	179.9	182.0	184.0	185.6	187.6	190.7	194.3	197.3	200.4	210.6
35°	142.6	142.6	146.2	149.8	152.9	156.4	162.1	167.7	173.3	178.9	189.7
37.5°	138.5	139.6	142.6	146.2	149.3	152.3	159.5	167.2	174.3	181.5	190.2
40°	134.4	135.5	139.6	143.6	147.7	151.8	159.0	165.6	172.8	179.4	187.6
42.5°	132.9	133.9	139.0	144.7	149.8	154.9	161.0	167.2	172.8	178.9	190.2
45°	130.9	132.9	139.0	145.7	151.8	158.0	163.6	169.2	174.8	180.5	194.3
47.5°	127.8	130.4	137.5	144.2	151.3	158.0	168.7	179.9	190.7	201.4	208.1
50°	125.8	128.3	136.0	143.6	151.3	159.0	176.4	193.7	210.6	228.0	224.4
52.5°	120.6	123.7	133.4	143.1	152.9	162.6	177.9	193.2	208.6	223.9	216.8
55°	110.9	113.5	124.7	136.0	146.7	158.0	169.2	180.5	191.2	202.4	194.3
57.5°	101.2	104.3	115.0	125.8	136.0	146.7	152.3	158.0	163.6	169.2	166.1
60°	92.0	95.1	109.4	123.7	138.0	152.3	147.2	142.1	136.5	131.4	135.0
62.5°	83.3	86.4	100.2	113.5	127.3	140.6	133.4	126.3	119.1	112.0	117.6
65°	73.6	76.7	81.8	87.4	92.5	97.6	97.1	96.1	95.6	94.6	100.7
67.5°	63.4	65.9	68.5	71.6	74.1	76.7	78.2	80.3	81.8	83.3	88.4
70°	55.2	57.8	60.8	63.4	66.5	69.0	70.0	71.1	71.6	72.6	77.2
72.5°	46.0	48.1	52.1	56.2	59.8	63.9	64.4	64.4	64.9	64.9	68.5
75°	39.9	41.4	44.5	47.5	50.1	53.2	54.7	56.2	57.3	58.8	60.8
77.5°	35.3	37.3	38.3	38.9	39.9	40.4	41.4	42.4	43.5	44.5	45.0
80°	26.1	28.6	29.6	30.2	31.2	31.7	31.7	31.2	31.2	30.7	31.2
82.5°	8.2	9.2	10.7	12.3	13.8	15.3	15.8	16.4	16.4	16.9	16.4
85°	1.5	2.0	3.1	4.1	4.6	5.6	5.1	4.1	3.6	2.6	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367799  
 CATALOG NUMBER: MSA-SA3B-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: P367799  
 CATALOG NUMBER: MSA-SA3B-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7
2.5°	1181.4	1196.2	1211.6	1205.4	1199.3	1193.2	1187.0	1188.0	1189.6	1190.6	1191.6
5°	1160.4	1159.4	1158.9	1176.3	1194.2	1211.6	1228.9	1247.8	1267.3	1286.2	1305.1
7.5°	1014.2	1012.2	1010.7	1033.1	1055.6	1078.1	1100.6	1126.7	1153.3	1179.3	1205.4
10°	911.0	915.1	919.1	928.3	938.1	947.3	956.5	981.5	1006.6	1031.1	1056.1
12.5°	947.3	975.9	1005.0	1010.7	1015.8	1021.4	1026.5	1030.1	1033.7	1037.2	1040.8
15°	857.3	892.6	927.8	942.7	957.0	971.8	986.1	1023.9	1061.3	1099.1	1136.4
17.5°	714.2	751.0	788.3	832.8	877.2	921.7	966.2	1007.1	1048.0	1088.9	1129.8
20°	546.5	595.6	644.6	700.9	757.6	813.8	870.1	911.0	951.4	992.2	1032.6
22.5°	392.6	432.5	472.4	540.3	607.8	675.8	743.3	814.3	885.9	957.0	1028.0
25°	299.1	324.1	349.7	416.6	483.6	550.1	617.0	714.7	812.3	909.9	1007.6
27.5°	254.1	271.4	288.3	348.6	409.0	468.8	529.1	645.1	761.2	877.2	993.3
30°	239.2	251.0	262.8	313.9	365.5	416.6	467.8	585.3	702.9	820.5	938.1
32.5°	220.8	230.6	240.8	285.8	330.7	375.2	420.2	535.2	650.3	764.8	879.8
35°	199.9	210.6	220.8	265.8	310.8	355.3	400.3	519.4	638.5	757.6	876.7
37.5°	198.3	207.0	215.2	267.4	320.0	372.2	424.3	543.4	662.5	781.1	900.2
40°	196.3	204.5	212.7	265.8	318.5	371.6	424.3	549.0	673.8	798.5	923.2
42.5°	201.4	212.1	223.4	270.4	317.5	364.0	411.0	542.4	673.8	804.6	936.0
45°	208.6	222.4	236.2	279.1	322.1	365.0	407.9	550.6	693.2	835.3	977.9
47.5°	215.2	221.9	228.5	269.4	309.8	350.7	391.1	536.8	682.5	828.2	973.8
50°	221.4	217.8	214.2	259.2	304.2	348.6	393.6	532.7	671.2	810.3	948.8
52.5°	209.1	201.9	194.3	242.3	290.4	337.9	386.0	526.0	666.1	806.2	946.2
55°	186.1	177.9	169.7	217.3	264.3	311.8	358.9	498.4	638.0	777.5	917.1
57.5°	162.6	159.5	155.9	192.2	228.5	264.3	300.6	455.5	610.9	765.8	920.7
60°	138.5	141.6	145.2	171.3	197.3	222.9	249.0	400.8	552.1	703.9	855.2
62.5°	122.7	128.3	133.4	155.4	177.9	199.9	221.9	365.0	508.1	651.3	794.4
65°	107.4	113.5	119.6	145.7	172.3	198.3	224.4	345.6	466.7	587.9	709.0
67.5°	93.6	98.2	103.3	137.5	171.8	206.0	240.3	339.4	438.1	537.3	635.9
70°	81.8	85.9	90.5	130.4	170.2	210.1	250.0	334.3	419.2	503.5	587.9
72.5°	72.1	75.7	79.2	119.6	160.0	200.4	240.8	315.9	390.6	465.7	540.3
75°	62.9	64.4	66.5	100.7	134.4	168.7	202.4	252.5	303.1	353.2	403.3
77.5°	45.5	45.5	46.0	56.2	65.9	76.2	85.9	117.1	148.2	178.9	210.1
80°	31.2	31.7	31.7	35.8	39.4	43.5	47.0	53.7	59.8	66.5	72.6
82.5°	15.8	14.8	14.3	18.4	22.5	26.6	30.7	32.2	33.2	34.8	35.8
85°	1.5	0.5	0.0	2.6	5.1	7.7	10.2	12.3	14.3	16.4	18.4
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: P367799  
 CATALOG NUMBER: MSA-SA3B-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: P367799

CATALOG NUMBER: MSA-SA3B-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°	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7
2.5°	1187.5	1183.4	1179.3	1175.3	1200.3	1225.9	1250.9	1276.0	1347.0	1393.5	1388.4
5°	1323.5	1341.9	1360.3	1378.7	1408.4	1438.5	1468.2	1497.8	1603.1	1667.5	1676.8
7.5°	1234.0	1262.2	1290.8	1318.9	1376.2	1432.9	1490.2	1546.9	1633.3	1700.3	1738.1
10°	1088.4	1120.6	1152.3	1184.5	1248.9	1313.8	1378.2	1442.6	1539.7	1632.3	1679.8
12.5°	1091.4	1142.0	1192.6	1243.2	1299.5	1355.7	1411.4	1467.7	1527.0	1558.2	1625.1
15°	1176.3	1216.2	1256.0	1295.9	1369.5	1443.1	1516.2	1589.8	1625.1	1700.3	1778.5
17.5°	1207.5	1285.7	1363.4	1441.1	1533.1	1624.6	1716.6	1808.1	1874.6	1978.9	2059.6
20°	1149.7	1266.8	1383.3	1500.4	1626.7	1752.9	1879.2	2005.5	2078.0	2177.2	2302.0
22.5°	1152.3	1276.5	1400.2	1524.4	1698.7	1872.5	2046.9	2220.7	2415.4	2606.6	2667.5
25°	1170.1	1332.7	1494.8	1657.3	1858.7	2060.2	2261.6	2463.0	2698.1	2899.0	2979.8
27.5°	1176.3	1359.3	1541.8	1724.8	2011.1	2297.4	2583.6	2869.9	3150.6	3377.5	3463.9
30°	1161.5	1385.4	1608.8	1832.2	2183.4	2534.6	2885.7	3236.9	3503.3	3767.6	3874.9
32.5°	1165.0	1450.3	1735.5	2020.8	2434.4	2848.4	3262.0	3675.6	3845.8	4084.0	4273.2
35°	1189.6	1502.4	1814.8	2127.6	2585.2	3042.7	3500.2	3957.7	4236.9	4488.4	4648.9
37.5°	1246.8	1593.4	1939.5	2286.1	2848.4	3411.3	3973.6	4535.9	4967.9	5399.9	5473.5
40°	1289.3	1655.3	2021.3	2387.3	3040.1	3692.9	4345.7	4998.6	5487.3	5956.0	6006.1
42.5°	1337.3	1738.1	2139.4	2540.2	3270.2	4000.2	4730.2	5460.2	6026.1	6504.1	6537.3
45°	1390.0	1802.5	2214.5	2626.6	3391.3	4155.6	4920.3	5684.6	6345.6	6900.7	6775.5
47.5°	1415.0	1856.2	2297.4	2738.5	3558.5	4378.0	5197.9	6017.4	6610.4	7100.1	6953.9
50°	1434.4	1919.6	2405.2	2890.3	3750.2	4610.0	5469.9	6329.7	6924.3	7376.2	7147.1
52.5°	1489.1	2031.5	2574.4	3116.8	4031.4	4945.4	5859.9	6774.0	7349.1	7764.2	7443.1
55°	1542.3	2167.0	2792.2	3416.9	4400.4	5384.5	6368.1	7351.6	7924.2	8280.0	7843.9
57.5°	1609.3	2298.4	2987.0	3675.6	4727.6	5779.7	6831.2	7883.3	8443.1	8836.2	8383.2
60°	1591.9	2328.0	3064.7	3800.8	4872.3	5943.8	7015.3	8086.7	8751.8	9234.9	8927.7
62.5°	1524.4	2254.4	2983.9	3713.9	4766.5	5818.5	6871.1	7923.2	8720.1	9374.5	9271.2
65°	1387.9	2066.3	2745.2	3423.5	4428.6	5434.1	6439.1	7444.2	8427.7	9260.5	9297.3
67.5°	1208.5	1781.0	2353.1	2925.6	3863.2	4800.7	5737.8	6675.3	7836.3	8807.5	8916.9
70°	1018.3	1448.2	1878.7	2308.6	3133.7	3958.8	4783.3	5608.4	6815.4	7792.8	7999.3
72.5°	816.4	1093.0	1369.0	1645.1	2240.6	2835.7	3431.2	4026.2	5088.0	5846.6	6207.0
75°	529.1	654.9	780.6	906.4	1303.1	1699.2	2095.9	2492.1	3197.1	3755.8	4163.2
77.5°	235.7	261.2	286.3	311.8	618.0	924.3	1230.5	1536.7	1842.9	2180.3	2275.9
80°	84.3	95.6	107.4	118.6	268.9	419.7	570.0	720.3	868.5	1042.9	1085.3
82.5°	35.3	35.3	34.8	34.3	87.9	141.6	195.3	249.0	287.8	330.7	338.9
85°	14.3	10.7	6.6	2.6	11.2	20.4	29.1	37.8	60.8	55.2	102.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367799  
 CATALOG NUMBER: MSA-SA3B-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: P367799

CATALOG NUMBER: MSA-SA3B-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7
2.5°	1369.0	1368.0	1367.0	1365.9	1364.9	1346.5	1328.6	1310.2	1292.3	1314.8	1337.3
5°	1661.9	1688.5	1715.1	1742.2	1768.8	1776.4	1784.1	1791.8	1799.4	1815.8	1832.2
7.5°	1769.8	1814.8	1859.3	1904.2	1948.7	1990.1	2031.0	2072.4	2113.8	2103.6	2093.4
10°	1732.5	1813.8	1895.0	1976.8	2058.1	2076.0	2093.9	2112.3	2130.2	2176.7	2223.2
12.5°	1692.1	1789.7	1887.4	1985.0	2082.6	2136.8	2190.5	2244.7	2298.9	2345.9	2392.9
15°	1883.8	1946.2	2008.5	2071.4	2133.8	2181.3	2228.3	2275.9	2322.9	2355.6	2387.8
17.5°	2135.8	2166.5	2197.2	2228.3	2259.0	2296.3	2333.6	2371.0	2408.3	2427.7	2447.1
20°	2402.1	2415.4	2428.7	2442.0	2455.3	2425.7	2396.0	2366.4	2336.7	2355.1	2373.0
22.5°	2669.5	2674.1	2679.2	2683.8	2688.4	2619.4	2550.4	2481.4	2412.4	2383.2	2354.1
25°	3081.0	3047.3	3013.5	2979.8	2946.1	2864.3	2782.5	2700.7	2618.9	2546.8	2474.7
27.5°	3526.8	3412.3	3298.3	3183.8	3069.8	2988.0	2906.2	2824.4	2742.6	2634.2	2525.9
30°	3976.1	3791.6	3607.6	3423.0	3239.0	3141.9	3044.7	2947.1	2850.0	2741.6	2633.7
32.5°	4388.2	4166.3	3944.5	3722.1	3500.2	3336.6	3173.0	3009.5	2845.9	2770.2	2694.6
35°	4729.7	4467.4	4205.2	3942.4	3680.2	3518.1	3356.1	3194.0	3032.0	2919.5	2807.5
37.5°	5313.5	5018.5	4723.5	4428.6	4133.6	3912.2	3691.4	3470.1	3248.7	3173.6	3098.4
40°	5851.8	5480.1	5108.5	4736.8	4365.2	4179.6	3994.6	3809.0	3623.9	3500.7	3378.0
42.5°	6279.6	5888.1	5497.0	5105.4	4713.8	4530.3	4347.3	4163.8	3980.2	3897.9	3816.1
45°	6372.2	6003.1	5634.5	5265.4	4896.3	4789.5	4683.1	4576.3	4470.0	4413.2	4357.0
47.5°	6554.7	6154.4	5754.6	5354.4	4954.1	4906.0	4858.0	4809.4	4761.4	4788.5	4815.5
50°	6656.9	6248.5	5840.0	5431.5	5023.1	5036.9	5050.2	5064.0	5077.8	5270.0	5461.7
52.5°	6855.3	6442.7	6030.2	5617.6	5205.1	5292.0	5378.4	5465.3	5551.7	5816.5	6080.8
55°	7209.5	6804.1	6398.7	5992.8	5587.5	5702.0	5816.5	5931.5	6046.0	6327.2	6607.8
57.5°	7734.5	7332.2	6930.4	6528.1	6126.3	6240.3	6354.3	6468.3	6582.3	6836.3	7089.9
60°	8395.5	7982.5	7569.9	7156.9	6744.3	6787.3	6829.7	6872.6	6915.6	7188.6	7461.0
62.5°	8910.3	8530.5	8151.2	7771.3	7392.0	7344.5	7297.4	7249.9	7202.9	7410.4	7617.5
65°	9029.9	8762.6	8495.7	8228.3	7961.0	7814.8	7669.1	7522.9	7376.7	7460.5	7544.4
67.5°	8687.4	8507.0	8327.0	8146.6	7966.1	7660.9	7355.7	7050.0	6744.8	6700.4	6655.9
70°	7892.5	7793.8	7695.7	7597.0	7498.9	7028.5	6558.8	6088.4	5618.6	5505.7	5392.7
72.5°	6228.0	6289.3	6350.7	6412.5	6473.9	5970.4	5467.3	4963.8	4460.3	4317.1	4174.5
75°	4391.8	4599.8	4807.9	5015.9	5224.0	4764.9	4306.4	3847.3	3388.3	3250.7	3113.7
77.5°	2381.2	2771.2	3161.3	3551.3	3941.4	3562.6	3184.3	2805.5	2426.7	2331.1	2236.0
80°	1128.7	1353.7	1578.1	1803.0	2027.9	1942.6	1857.2	1771.3	1686.0	1706.9	1727.9
82.5°	346.1	508.6	671.2	833.8	996.3	1009.1	1021.4	1034.2	1046.9	1078.6	1109.8
85°	116.0	159.0	201.9	244.9	287.8	363.5	439.1	515.3	591.0	541.9	493.3
87.5°	0.0	1.5	2.6	4.1	5.1	15.8	26.6	37.3	48.1	41.4	35.3
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: P367799  
 CATALOG NUMBER: MSA-SA3B-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: P367799

CATALOG NUMBER: MSA-SA3B-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°	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7
2.5°	1360.3	1382.8	1383.3	1384.3	1384.9	1385.4	1387.9	1390.5	1393.5	1396.1	1379.2
5°	1849.0	1865.4	1835.2	1805.1	1774.4	1744.2	1771.3	1798.4	1825.5	1852.6	1840.8
7.5°	2082.6	2072.4	2068.8	2065.8	2062.2	2059.1	2069.4	2079.6	2089.8	2100.0	2099.0
10°	2269.7	2316.3	2327.5	2338.8	2350.5	2361.8	2338.2	2314.7	2291.2	2267.7	2258.0
12.5°	2440.0	2487.0	2524.3	2561.6	2599.5	2636.8	2603.1	2569.8	2536.1	2502.9	2471.2
15°	2420.6	2452.8	2483.4	2514.1	2544.8	2575.4	2564.2	2553.5	2542.2	2531.0	2525.9
17.5°	2467.1	2486.5	2479.3	2472.2	2464.5	2457.4	2453.8	2450.7	2447.1	2443.6	2431.3
20°	2391.4	2409.8	2405.2	2401.1	2396.5	2391.9	2388.9	2385.8	2382.7	2379.7	2369.9
22.5°	2325.0	2295.8	2288.2	2281.0	2273.3	2266.2	2267.2	2268.2	2268.7	2269.7	2313.7
25°	2402.7	2330.6	2302.5	2274.3	2245.7	2217.6	2230.4	2242.7	2255.4	2268.2	2331.6
27.5°	2417.0	2308.6	2263.6	2218.6	2173.6	2128.7	2174.7	2220.7	2266.7	2312.7	2415.4
30°	2525.3	2417.5	2354.6	2292.2	2229.4	2167.0	2225.8	2284.6	2343.4	2402.1	2513.6
32.5°	2618.4	2542.7	2497.7	2452.8	2407.8	2362.8	2365.3	2367.4	2369.9	2372.5	2529.4
35°	2695.1	2583.1	2542.2	2501.8	2460.9	2420.6	2481.4	2542.2	2603.1	2663.9	2805.0
37.5°	3023.3	2948.1	2873.0	2798.3	2723.2	2648.5	2697.1	2745.7	2794.8	2843.3	2999.2
40°	3254.8	3132.1	3112.7	3093.8	3074.4	3055.5	3080.5	3105.1	3130.1	3155.2	3291.6
42.5°	3733.8	3651.5	3598.9	3546.7	3494.1	3441.9	3461.9	3481.8	3502.3	3522.2	3651.5
45°	4300.3	4243.5	4208.7	4174.0	4138.7	4103.9	4073.8	4044.1	4014.0	3984.3	4115.7
47.5°	4842.6	4869.7	4946.4	5022.6	5099.3	5175.4	5113.1	5050.7	4987.8	4925.5	4926.0
50°	5653.9	5845.6	5884.5	5922.8	5961.7	6000.0	5867.1	5734.2	5600.8	5467.8	5452.0
52.5°	6345.6	6609.9	6623.7	6637.5	6651.8	6665.6	6611.9	6558.2	6504.1	6450.4	6307.8
55°	6889.0	7169.6	7188.6	7207.0	7225.9	7244.3	7197.2	7150.7	7103.7	7056.7	6912.5
57.5°	7344.0	7597.5	7608.8	7619.5	7630.7	7642.0	7645.6	7649.2	7653.2	7656.8	7462.1
60°	7734.0	8007.0	7984.5	7962.5	7940.0	7918.0	7884.3	7850.6	7816.8	7783.1	7657.3
62.5°	7825.0	8032.6	7997.8	7963.5	7928.8	7894.5	7865.9	7837.8	7809.2	7780.5	7700.3
65°	7628.2	7712.0	7676.2	7640.5	7604.2	7568.4	7550.0	7532.1	7513.7	7495.3	7485.1
67.5°	6610.9	6566.4	6608.8	6651.3	6693.7	6736.1	6793.9	6851.7	6909.9	6967.7	6934.0
70°	5279.2	5166.2	5213.3	5259.8	5306.8	5353.3	5440.7	5528.2	5616.1	5703.5	5680.0
72.5°	4031.4	3888.2	3894.9	3901.5	3908.7	3915.3	3912.8	3910.7	3908.2	3905.6	3946.5
75°	2976.2	2838.7	2773.8	2708.9	2643.9	2579.0	2563.2	2547.3	2531.5	2515.6	2591.8
77.5°	2140.4	2045.3	2000.9	1956.9	1912.4	1868.5	1890.9	1913.4	1936.4	1958.9	1985.5
80°	1749.3	1770.3	1736.1	1702.3	1668.1	1633.8	1659.4	1684.4	1710.0	1735.5	1656.3
82.5°	1141.5	1172.7	1067.4	962.1	856.8	751.5	815.4	879.3	943.7	1007.6	974.9
85°	444.2	395.7	337.4	279.6	221.4	163.1	212.1	261.2	310.3	359.4	392.1
87.5°	28.6	22.5	17.9	13.3	8.2	3.6	7.7	11.8	16.4	20.4	34.3
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: P367799  
 CATALOG NUMBER: MSA-SA3B-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: P367799

CATALOG NUMBER: MSA-SA3B-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7
2.5°	1362.9	1346.0	1329.6	1297.4	1265.2	1233.0	1200.8	1245.8	1290.8	1335.8	1380.8
5°	1829.6	1817.8	1806.6	1809.7	1812.7	1816.3	1819.4	1826.0	1832.7	1838.8	1845.4
7.5°	2098.5	2097.5	2096.4	2072.9	2049.4	2025.4	2001.9	2013.6	2025.4	2037.1	2048.9
10°	2248.8	2239.1	2229.4	2177.7	2126.1	2074.0	2022.3	1999.8	1976.8	1954.3	1931.8
12.5°	2439.5	2407.3	2375.6	2320.4	2265.7	2210.4	2155.2	2134.8	2113.8	2093.4	2072.4
15°	2521.3	2516.1	2511.5	2472.2	2432.3	2392.9	2353.1	2283.0	2212.5	2142.5	2072.4
17.5°	2419.0	2406.2	2394.0	2456.3	2518.2	2580.6	2642.9	2570.3	2497.7	2425.2	2352.6
20°	2360.2	2350.5	2340.8	2456.8	2572.4	2688.4	2804.0	2771.8	2739.0	2706.8	2674.6
22.5°	2357.7	2402.1	2446.1	2547.8	2649.1	2750.8	2852.0	2907.7	2964.0	3019.7	3075.4
25°	2395.0	2458.9	2522.3	2691.0	2859.7	3028.9	3197.6	3261.5	3324.9	3388.8	3452.2
27.5°	2517.7	2620.4	2722.7	2869.9	3017.1	3164.9	3312.1	3451.7	3591.7	3731.3	3870.8
30°	2624.5	2736.0	2847.4	3022.8	3197.6	3372.9	3547.8	3722.6	3897.4	4072.3	4247.1
32.5°	2686.4	2843.8	3000.8	3213.9	3426.6	3639.8	3852.9	4044.6	4236.4	4427.5	4619.2
35°	2946.1	3087.7	3228.8	3464.4	3700.1	3936.3	4171.9	4409.1	4646.3	4883.0	5120.2
37.5°	3155.2	3311.6	3467.5	3725.1	3982.3	4239.9	4497.6	4825.3	5153.5	5481.1	5808.8
40°	3428.1	3564.6	3701.1	3942.4	4183.2	4424.5	4665.8	5081.4	5497.0	5912.1	6327.7
42.5°	3780.4	3909.7	4039.0	4297.2	4555.3	4813.5	5071.7	5531.7	5991.8	6451.4	6911.5
45°	4247.1	4379.0	4510.4	4715.9	4921.4	5126.9	5332.4	5821.6	6310.3	6799.5	7288.2
47.5°	4926.5	4927.0	4927.5	5075.7	5224.0	5372.8	5521.0	6013.8	6506.1	6998.9	7491.2
50°	5436.1	5419.8	5403.9	5480.6	5556.8	5633.5	5710.2	6163.6	6617.5	7071.0	7524.4
52.5°	6165.6	6023.0	5880.9	5926.4	5971.4	6016.9	6061.9	6445.8	6830.2	7214.1	7598.0
55°	6768.9	6624.7	6480.5	6463.7	6446.8	6429.9	6413.1	6766.3	7119.5	7472.8	7826.0
57.5°	7267.8	7073.0	6878.8	6839.9	6801.6	6762.7	6723.9	7096.5	7468.7	7841.4	8213.5
60°	7532.1	7406.3	7280.6	7255.5	7230.0	7204.9	7179.4	7485.1	7790.8	8096.5	8402.2
62.5°	7620.5	7540.3	7460.5	7507.5	7554.6	7602.1	7649.2	7783.6	7917.5	8052.0	8185.9
65°	7475.3	7465.1	7454.9	7551.5	7647.6	7744.2	7840.9	7807.6	7773.9	7740.7	7707.4
67.5°	6900.7	6867.0	6833.8	7045.9	7257.6	7469.7	7681.9	7520.8	7359.3	7198.3	7037.2
70°	5656.5	5632.4	5608.9	5914.6	6220.3	6526.5	6832.2	6637.0	6441.7	6246.4	6051.1
72.5°	3986.9	4027.8	4068.7	4429.1	4789.0	5149.4	5509.2	5312.4	5115.6	4918.8	4722.0
75°	2667.5	2743.6	2819.8	3190.9	3562.1	3933.7	4304.9	4073.8	3842.7	3611.7	3380.6
77.5°	2012.1	2038.7	2065.3	2299.9	2534.6	2769.7	3004.3	2813.7	2622.5	2431.8	2240.6
80°	1577.1	1497.3	1418.1	1495.3	1572.5	1649.7	1726.8	1612.8	1498.9	1385.4	1271.4
82.5°	942.1	909.4	876.7	918.6	960.0	1002.0	1043.9	994.8	945.2	896.1	846.6
85°	424.3	457.0	489.2	531.7	573.6	616.0	658.4	589.9	521.4	452.9	384.4
87.5°	47.5	61.3	75.1	93.0	110.9	128.8	146.7	114.5	81.8	49.6	17.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367799  
 CATALOG NUMBER: MSA-SA3B-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: P367799  
 CATALOG NUMBER: MSA-SA3B-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	1080.7	1080.7
2.5°	1406.8	1432.9
5°	1844.9	1843.9
7.5°	2018.2	1987.1
10°	1903.2	1874.6
12.5°	1999.3	1926.2
15°	2017.2	1962.0
17.5°	2262.6	2172.1
20°	2558.6	2442.0
22.5°	2915.9	2755.9
25°	3262.0	3071.8
27.5°	3756.8	3642.3
30°	4131.6	4015.5
32.5°	4540.5	4461.8
35°	5042.0	4963.3
37.5°	5829.3	5849.2
40°	6340.0	6352.2
42.5°	6959.0	7006.6
45°	7341.4	7394.6
47.5°	7565.3	7639.4
50°	7644.0	7763.7
52.5°	7745.8	7893.0
55°	7990.1	8154.2
57.5°	8344.4	8475.3
60°	8408.3	8414.4
62.5°	8091.3	7996.8
65°	7606.7	7506.0
67.5°	6976.4	6915.1
70°	5970.4	5889.6
72.5°	4571.7	4421.4
75°	3194.5	3008.4
77.5°	2143.0	2045.3
80°	1274.4	1277.0
82.5°	870.1	893.1
85°	379.8	374.7
87.5°	12.3	6.6
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: P367799  
CATALOG NUMBER: MSA-SA3B-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)