

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: P368592

Luminaire Tested: **MSA-SA4D-727-U-SLR**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P368592
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-24)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: MSA-SA4D-727-U-SLR
Description: MESA POST TOP DECORATIVE LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18847 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

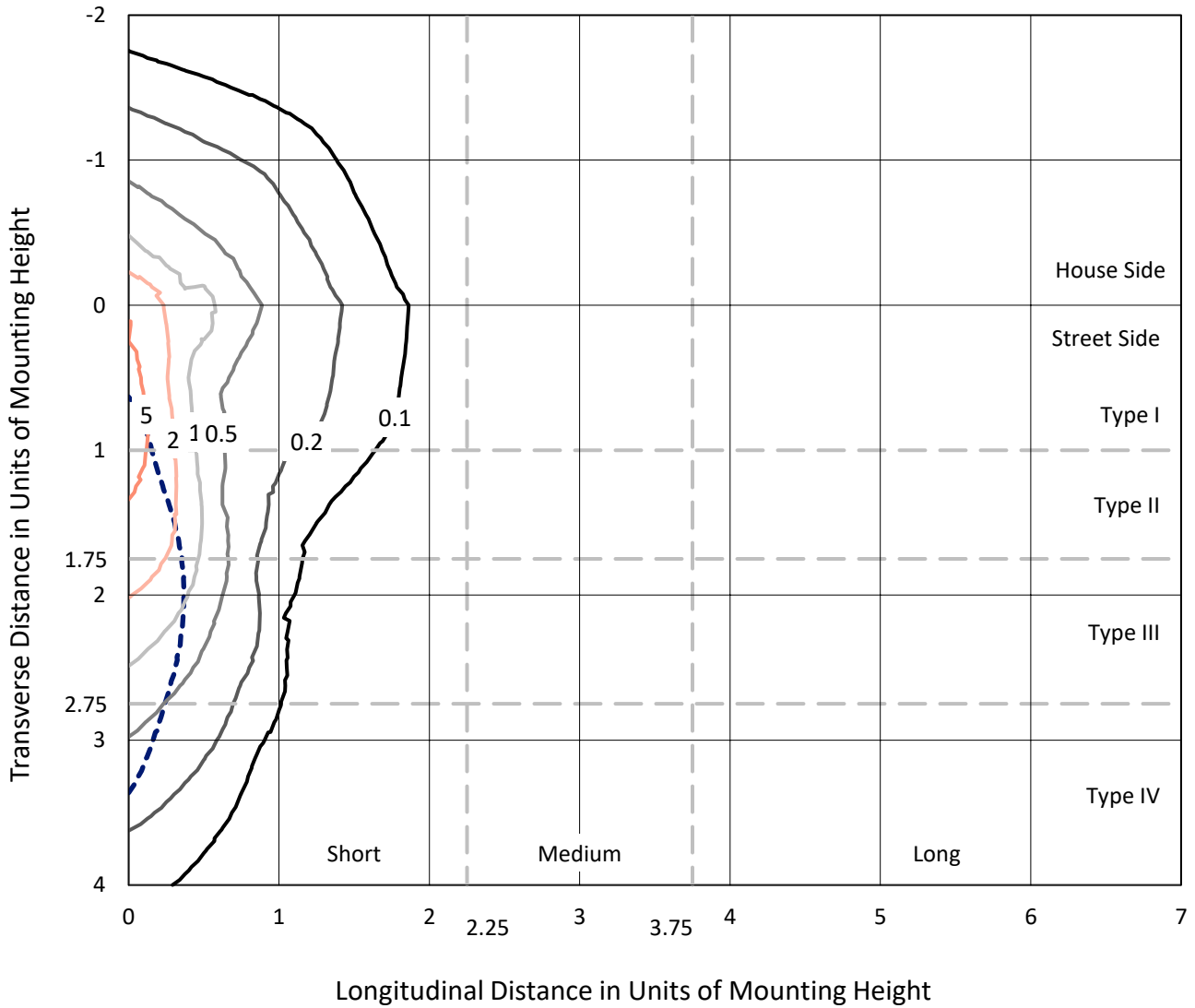
Input Watts (W): 259
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P368592
 CATALOG NUMBER: MSA-SA4D-727-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

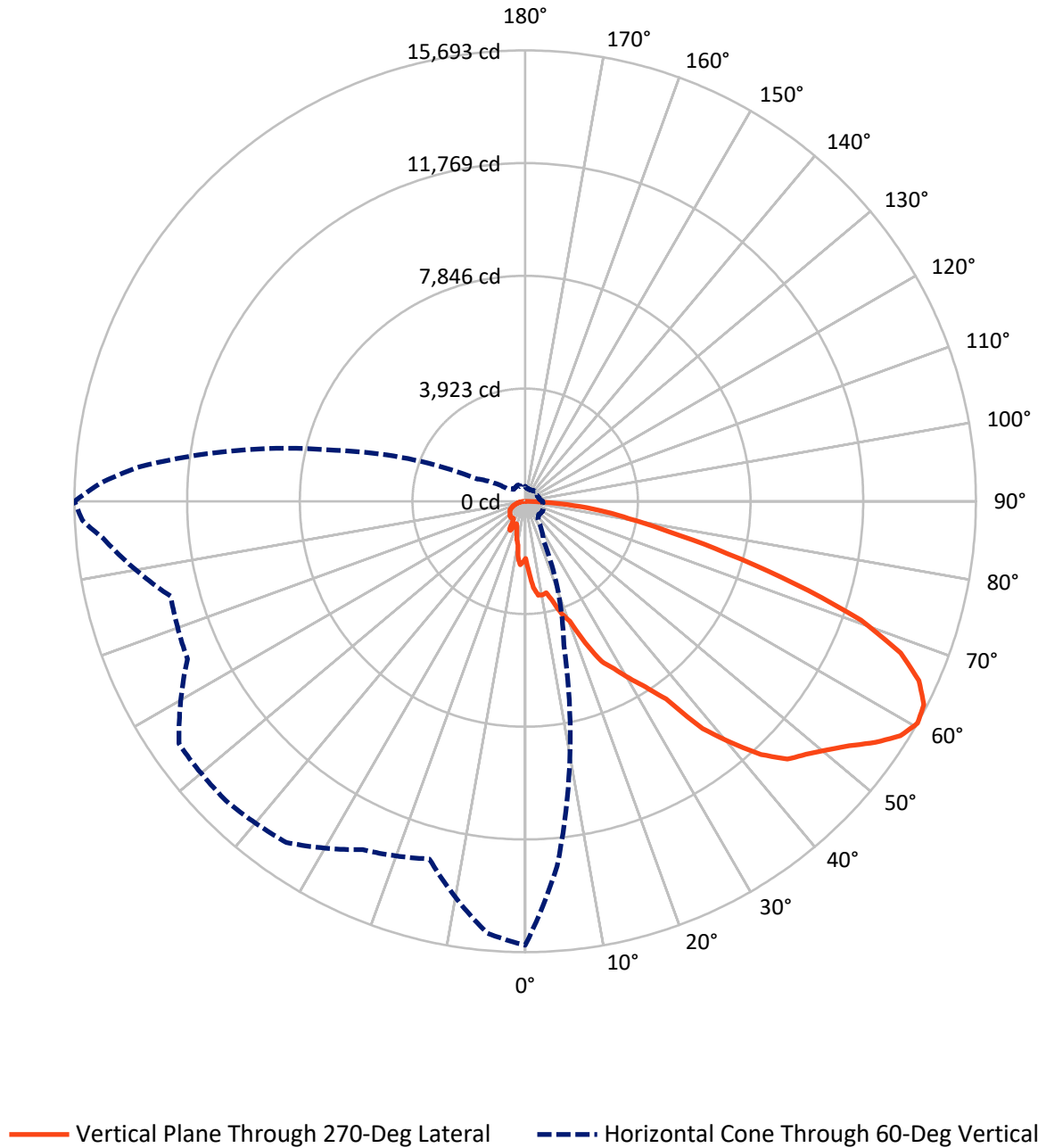
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type IV - Short - N/A

REPORT NUMBER: P368592
CATALOG NUMBER: MSA-SA4D-727-U-SLR

Luminous Intensity Polar Plot



REPORT NUMBER: P368592
 CATALOG NUMBER: MSA-SA4D-727-U-SLR

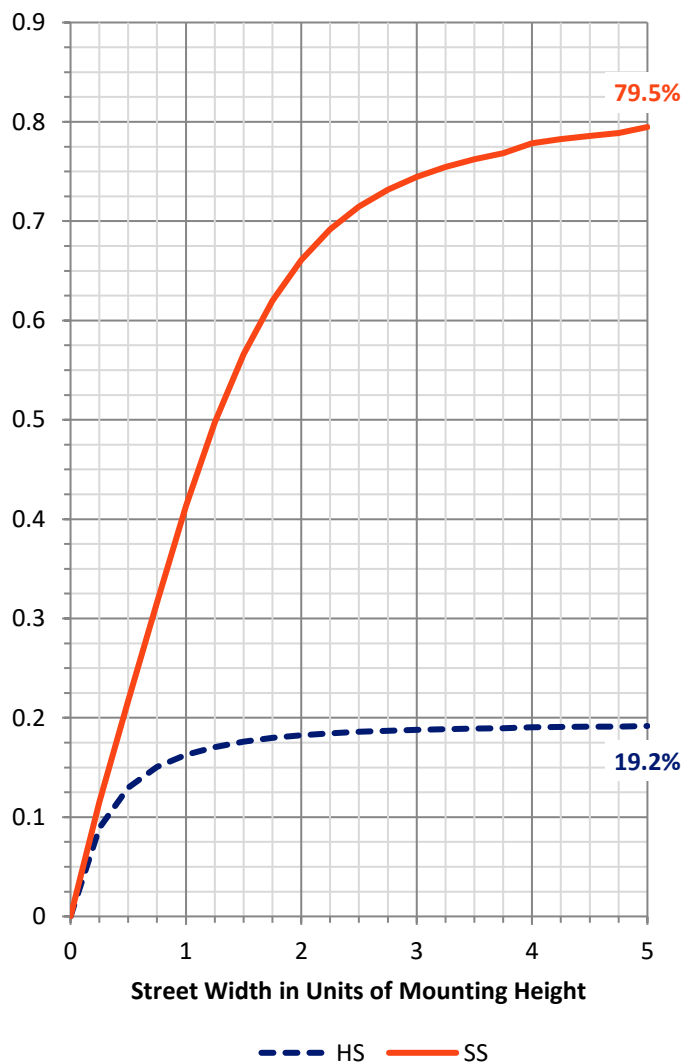
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3650.3	0.0	3650.3
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	15196.7	0.0	15196.7
	% Fixture	80.6	0.0	80.6
Total	Lumens	18847.0	0.0	18847.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.9	1.2
10°-20°	662.2	3.5
20°-30°	1169.1	6.2
30°-40°	1820.7	9.7
40°-50°	2997.6	15.9
50°-60°	4278.6	22.7
60°-70°	4536.8	24.1
70°-80°	2505.8	13.3
80°-90°	648.3	3.4
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°	18847.0	100.0
0°-180°	18847.0	100.0

Coefficient of Utilization



REPORT NUMBER: P368592

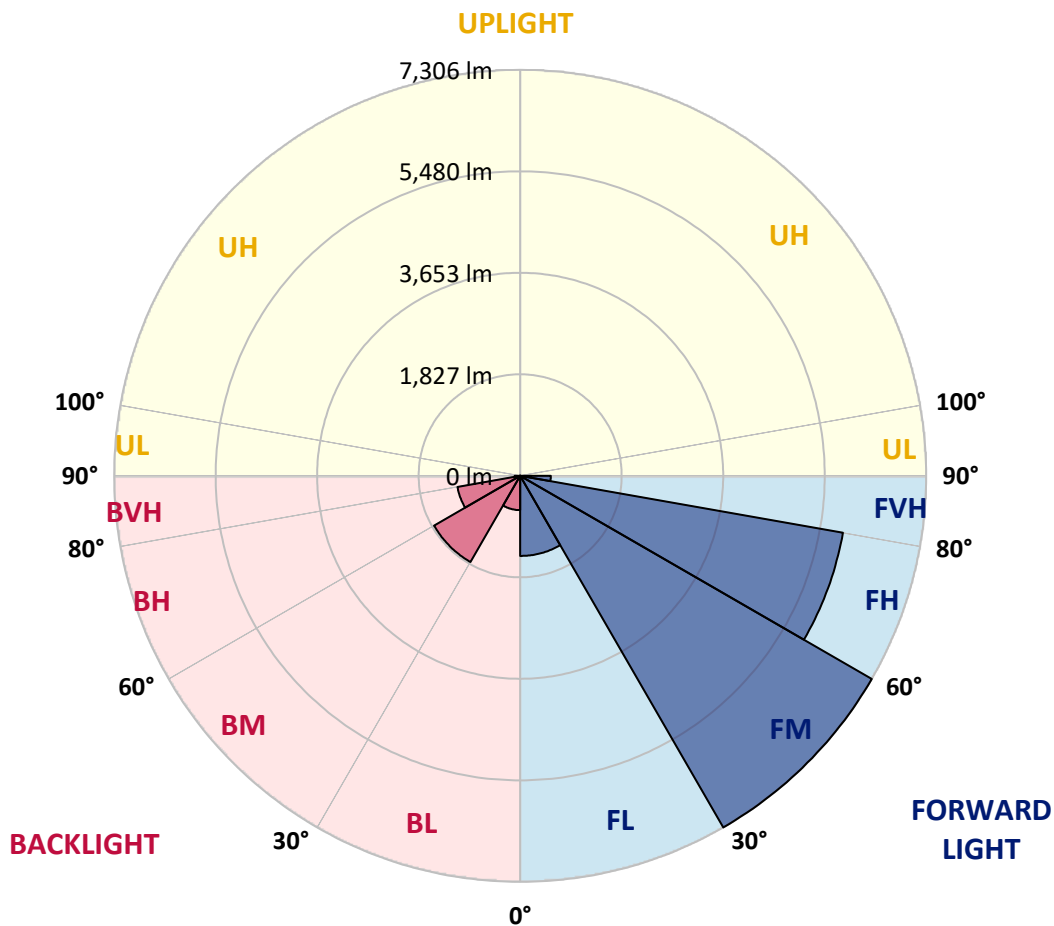
CATALOG NUMBER: MSA-SA4D-727-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1442.1	7.7			
FM (30°-60°)	7306.3	38.8			
FH (60°-80°)	5897.3	31.3			G3/7500
FVH (80°-90°)	551.0	2.9			G4/750
BL (0°-30°)	617.1	3.3	B2/1000		
BM (30°-60°)	1790.6	9.5	B2/2500		
BH (60°-80°)	1145.4	6.1	B3/2500		G3/2500
BVH (80°-90°)	97.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short





REPORT NUMBER: P368592

CATALOG NUMBER: MSA-SA4D-727-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9
2.5°	2662.1	2678.5	2694.1	2663.0	2631.9	2599.9	2568.8	2522.1	2474.5	2427.9	2380.3
5°	3197.2	3136.9	3075.6	3050.9	3027.1	3002.4	2977.7	2954.8	2931.9	2908.2	2885.3
7.5°	3364.6	3278.7	3191.7	3155.2	3118.6	3081.1	3044.5	2962.1	2879.8	2796.6	2714.2
10°	3180.8	3091.1	3000.6	2964.9	2928.3	2892.6	2856.0	2755.4	2655.7	2555.0	2454.4
12.5°	3329.0	3237.5	3145.1	3031.7	2918.2	2803.9	2690.4	2634.6	2578.8	2522.1	2466.3
15°	3471.7	3348.2	3223.8	3110.3	2996.9	2882.5	2769.1	2657.5	2545.9	2434.3	2322.7
17.5°	3993.1	3787.3	3581.5	3376.5	3170.7	2965.8	2760.0	2631.0	2501.1	2372.1	2242.2
20°	4628.9	4342.6	4055.3	3744.3	3432.3	3121.3	2809.4	2646.5	2484.6	2321.8	2158.9
22.5°	5385.4	5024.1	4662.8	4270.3	3877.9	3484.5	3092.0	2856.0	2620.0	2383.1	2147.0
25°	5986.5	5638.8	5291.2	4793.6	4295.9	3798.3	3300.6	3032.6	2764.5	2495.6	2227.5
27.5°	6570.1	6016.7	5462.3	4892.4	4323.4	3753.4	3183.5	2935.6	2687.7	2439.8	2191.9
30°	7063.2	6624.1	6185.0	5441.2	4697.5	3952.9	3209.1	2904.5	2599.9	2295.2	1990.6
32.5°	7785.0	7158.3	6530.8	5755.0	4979.3	4203.5	3427.8	3038.1	2648.4	2258.6	1868.9
35°	8629.3	7978.0	7326.7	6367.0	5408.3	4448.7	3489.1	3076.5	2663.0	2250.4	1836.9
37.5°	10203.7	9055.6	7906.6	6859.2	5811.7	4763.4	3715.9	3236.6	2757.2	2276.9	1797.6
40°	11071.9	10010.7	8949.5	7644.1	6338.7	5032.3	3726.9	3236.6	2745.3	2255.0	1763.7
42.5°	12229.1	10887.1	9544.1	8132.6	6722.0	5310.4	3898.9	3355.5	2812.1	2267.8	1724.4
45°	12934.4	11438.7	9942.1	8433.6	6925.1	5416.5	3908.0	3356.4	2804.8	2253.2	1701.5
47.5°	13389.1	11952.8	10515.7	8891.9	7268.1	5643.4	4019.6	3434.2	2847.8	2262.3	1675.9
50°	13819.9	12397.4	10974.0	9288.0	7602.9	5916.9	4231.0	3591.5	2952.1	2311.7	1672.3
52.5°	14348.7	13038.7	11727.8	9919.2	8109.7	6301.2	4491.7	3795.5	3099.4	2403.2	1707.0
55°	15118.0	13827.2	12535.5	10594.3	8652.2	6711.0	4768.9	3995.9	3223.8	2450.8	1677.7
57.5°	15616.6	14307.5	12998.4	11018.8	9039.2	7058.6	5079.0	4222.7	3366.5	2509.3	1653.0
60°	15451.0	14100.8	12749.6	10862.4	8975.1	7087.9	5200.7	4275.8	3351.8	2427.0	1502.1
62.5°	14719.2	13283.9	11848.5	10158.0	8468.3	6777.8	5087.2	4146.8	3207.3	2266.9	1326.5
65°	13696.4	12212.6	10727.9	9202.9	7677.9	6153.0	4628.0	3774.5	2920.1	2066.5	1212.1
67.5°	12441.3	10894.4	9346.5	7996.3	6646.0	5294.9	3944.6	3231.1	2518.5	1804.9	1091.4
70°	10866.9	9346.5	7826.1	6657.9	5489.7	4321.5	3153.3	2616.3	2080.3	1543.3	1006.3
72.5°	8734.5	7422.7	6110.9	5191.5	4272.1	3352.8	2433.4	2060.1	1687.8	1314.6	941.3
75°	6212.4	5441.2	4670.1	3954.7	3239.3	2523.0	1807.7	1566.1	1324.6	1083.1	841.6
77.5°	4414.8	3960.2	3505.5	2944.8	2384.0	1823.2	1262.4	1120.6	979.8	838.0	696.2
80°	3264.0	2884.4	2504.7	2082.1	1659.5	1236.8	814.2	744.6	676.0	606.5	537.0
82.5°	2148.9	1977.8	1805.8	1471.0	1136.2	801.4	466.5	440.9	415.3	389.7	364.1
85°	962.4	1016.3	1069.4	864.5	658.7	453.7	247.9	236.0	224.1	212.2	200.3
87.5°	92.4	136.3	180.2	154.6	128.1	102.5	75.9	75.0	75.0	74.1	73.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368592
 CATALOG NUMBER: MSA-SA4D-727-U-SLR

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: P368592

CATALOG NUMBER: MSA-SA4D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9
2.5°	2393.1	2405.9	2418.7	2431.5	2417.8	2404.1	2389.5	2375.7	2358.4	2341.0	2322.7
5°	2846.9	2807.5	2769.1	2729.8	2671.2	2612.7	2553.2	2494.7	2487.3	2479.1	2471.8
7.5°	2642.0	2570.6	2498.3	2426.1	2334.6	2244.0	2152.5	2061.1	2033.6	2006.2	1978.7
10°	2405.9	2356.5	2308.0	2258.6	2201.9	2145.2	2087.6	2030.9	1955.8	1879.9	1804.9
12.5°	2385.8	2305.3	2223.9	2143.4	2108.6	2073.9	2039.1	2004.3	1938.5	1872.6	1805.8
15°	2257.7	2191.9	2126.9	2061.1	2010.7	1960.4	1910.1	1859.8	1806.7	1752.8	1699.7
17.5°	2167.2	2092.2	2017.1	1942.1	1884.5	1826.9	1768.3	1710.7	1646.6	1581.7	1517.7
20°	2072.9	1987.9	1901.9	1815.9	1742.7	1670.4	1597.2	1524.1	1453.6	1384.1	1313.7
22.5°	2034.5	1922.0	1809.5	1697.0	1620.1	1542.4	1465.5	1387.8	1322.8	1257.9	1192.9
25°	2093.1	1959.5	1825.0	1690.6	1587.2	1482.9	1379.5	1275.2	1221.3	1167.3	1112.4
27.5°	2024.5	1856.1	1688.7	1520.4	1409.7	1298.1	1187.4	1075.8	1067.6	1059.3	1050.2
30°	1814.1	1637.5	1460.9	1284.4	1182.8	1080.4	978.8	876.4	857.2	837.0	817.8
32.5°	1688.7	1508.5	1328.3	1148.1	1057.5	966.0	875.5	784.0	762.0	740.1	718.1
35°	1641.2	1445.4	1249.6	1053.9	976.1	898.3	820.6	742.8	727.3	712.6	697.1
37.5°	1602.7	1408.8	1213.9	1019.1	944.1	869.1	793.1	718.1	706.2	694.3	682.4
40°	1566.1	1369.5	1171.9	974.3	907.5	841.6	774.8	708.1	700.7	693.4	685.2
42.5°	1533.2	1342.0	1149.9	958.7	899.3	840.7	781.2	721.8	714.5	707.1	699.8
45°	1514.9	1328.3	1141.7	955.1	912.1	869.1	825.2	782.2	764.8	747.4	729.1
47.5°	1501.2	1326.5	1151.7	977.0	932.2	887.4	842.5	797.7	782.2	766.6	750.1
50°	1503.9	1336.5	1168.2	999.9	945.9	891.0	837.0	782.2	780.3	778.5	776.7
52.5°	1528.6	1351.2	1172.8	994.4	935.8	877.3	817.8	759.3	771.2	782.2	794.0
55°	1493.0	1308.2	1122.5	937.7	881.9	827.0	771.2	715.4	730.9	745.6	761.1
57.5°	1452.7	1252.4	1052.0	851.7	809.6	767.5	724.5	682.4	698.9	716.3	732.8
60°	1319.1	1136.2	953.2	770.3	741.9	713.5	685.2	656.8	664.1	671.5	678.8
62.5°	1172.8	1018.2	864.5	709.9	687.9	665.1	643.1	620.2	620.2	621.2	621.2
65°	1079.5	946.8	814.2	681.5	656.8	632.1	606.5	581.8	578.2	574.5	570.8
67.5°	986.2	881.9	776.7	671.5	635.8	601.0	565.3	529.7	525.1	521.4	516.9
70°	913.0	819.7	726.4	633.0	592.8	553.5	513.2	473.0	469.3	466.5	462.9
72.5°	853.5	766.6	678.8	591.0	548.9	505.9	463.8	420.8	418.1	415.3	411.7
75°	763.9	687.0	609.3	531.5	490.3	450.1	408.9	367.8	364.1	361.3	357.7
77.5°	632.1	567.2	503.1	438.2	406.2	375.1	343.1	311.0	309.2	307.4	304.6
80°	486.7	436.4	385.1	334.8	313.8	291.8	270.8	248.8	247.9	247.0	245.2
82.5°	333.9	303.7	273.5	243.3	227.8	211.3	195.8	179.3	180.2	181.1	182.0
85°	190.3	179.3	169.2	158.3	145.5	133.6	120.8	107.9	110.7	113.4	115.3
87.5°	69.5	65.9	62.2	58.5	52.1	46.7	40.3	33.8	35.7	38.4	40.3
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: P368592
 CATALOG NUMBER: MSA-SA4D-727-U-SLR

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: P368592
 CATALOG NUMBER: MSA-SA4D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9
2.5°	2305.3	2277.9	2250.4	2223.0	2195.5	2138.8	2083.0	2026.3	1969.6	2004.3	2040.0
5°	2463.6	2416.9	2369.3	2322.7	2275.1	2248.6	2222.1	2195.5	2169.0	2182.7	2197.4
7.5°	1951.3	1923.8	1895.5	1868.0	1839.7	1827.8	1816.8	1804.9	1793.0	1826.9	1860.7
10°	1729.0	1690.6	1652.1	1612.8	1574.4	1551.5	1528.6	1505.8	1482.9	1492.0	1501.2
12.5°	1740.0	1683.2	1626.5	1569.8	1513.1	1479.2	1445.4	1411.5	1377.7	1385.9	1394.2
15°	1645.7	1587.2	1528.6	1470.1	1411.5	1372.2	1332.0	1292.6	1252.4	1238.6	1224.0
17.5°	1452.7	1388.7	1324.6	1260.6	1196.6	1170.0	1143.5	1117.0	1090.4	1075.8	1061.2
20°	1243.2	1183.8	1124.3	1064.8	1005.4	987.1	968.8	949.6	931.3	922.1	912.1
22.5°	1128.0	1091.4	1053.9	1017.3	979.8	958.7	938.6	917.5	896.5	886.4	875.5
25°	1058.4	1065.7	1074.0	1081.3	1088.6	1079.5	1069.4	1060.3	1050.2	1053.9	1056.6
27.5°	1042.0	1057.5	1074.0	1089.5	1105.1	1113.3	1121.5	1129.8	1138.0	1140.8	1143.5
30°	797.7	805.9	813.3	821.5	828.8	851.7	874.6	896.5	919.4	955.1	991.6
32.5°	696.2	693.4	690.7	687.0	684.3	689.8	695.3	699.8	705.3	718.1	731.8
35°	681.5	675.1	667.8	661.4	654.1	656.8	659.6	662.3	665.1	675.1	685.2
37.5°	670.6	667.8	666.0	663.2	660.5	666.9	672.4	678.8	684.3	692.5	700.7
40°	677.9	677.0	676.0	674.2	673.3	677.0	680.6	684.3	687.9	698.9	709.9
42.5°	692.5	692.5	691.6	691.6	690.7	694.3	697.1	700.7	703.5	709.9	716.3
45°	711.7	709.9	709.0	707.1	705.3	704.4	704.4	703.5	702.6	706.2	710.8
47.5°	734.6	728.2	720.9	714.5	707.1	705.3	702.6	700.7	698.0	699.8	701.7
50°	774.8	757.5	741.0	723.6	706.2	701.7	697.1	692.5	687.9	687.0	687.0
52.5°	805.0	779.4	753.8	728.2	702.6	694.3	686.1	677.9	669.6	667.8	666.9
55°	775.8	756.5	738.2	719.0	699.8	687.9	675.1	663.2	650.4	647.7	644.9
57.5°	749.2	737.3	725.4	713.5	701.7	689.8	677.0	665.1	652.3	645.9	639.4
60°	686.1	686.1	687.0	687.0	687.0	674.2	661.4	648.6	635.8	629.4	623.9
62.5°	621.2	631.2	640.4	650.4	659.6	642.2	623.9	606.5	588.2	583.6	580.0
65°	567.2	569.9	573.6	576.3	579.1	565.3	551.6	537.9	524.2	521.4	517.8
67.5°	512.3	511.4	510.5	508.6	507.7	499.5	490.3	482.1	473.0	469.3	465.6
70°	459.2	458.3	457.4	455.6	454.7	447.3	440.0	432.7	425.4	422.6	419.9
72.5°	408.9	408.0	406.2	405.3	403.4	397.0	391.5	385.1	378.7	375.1	371.4
75°	354.0	352.2	350.4	348.5	346.7	341.2	335.7	329.3	323.8	320.2	316.5
77.5°	302.8	300.1	297.3	293.7	290.9	286.3	280.8	276.3	270.8	266.2	262.5
80°	244.3	242.4	240.6	237.8	236.0	231.4	226.9	221.4	216.8	211.3	206.7
82.5°	183.0	182.0	180.2	179.3	177.5	172.9	168.3	163.7	159.2	153.7	148.2
85°	118.0	117.1	116.2	115.3	114.4	110.7	107.9	104.3	100.6	95.1	90.6
87.5°	42.1	40.3	39.3	37.5	35.7	34.8	32.9	32.0	30.2	27.4	24.7
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: P368592
 CATALOG NUMBER: MSA-SA4D-727-U-SLR

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: P368592

CATALOG NUMBER: MSA-SA4D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9
2.5°	2074.8	2109.5	2110.5	2110.5	2126.9	2142.5	2110.5	2078.4	2045.5	2013.5	1981.5
5°	2211.1	2224.8	2221.1	2216.6	2196.4	2176.3	2155.3	2134.2	2113.2	2092.2	2093.1
7.5°	1894.6	1928.4	1955.8	1982.4	1956.8	1931.1	1917.4	1903.7	1890.0	1876.3	1874.4
10°	1509.4	1518.6	1529.6	1539.6	1524.1	1507.6	1535.0	1562.5	1589.0	1616.5	1586.3
12.5°	1402.4	1410.6	1391.4	1371.3	1364.9	1358.5	1352.1	1344.8	1338.4	1331.0	1327.4
15°	1210.3	1195.6	1181.0	1165.5	1161.8	1157.2	1152.7	1147.2	1142.6	1137.1	1120.6
17.5°	1046.5	1031.9	1007.2	981.6	971.5	960.5	957.8	955.1	951.4	948.7	933.1
20°	902.9	892.8	886.4	879.1	869.1	859.0	848.9	838.9	827.9	817.8	803.2
22.5°	865.4	854.4	846.2	837.0	835.2	833.4	815.1	795.9	777.6	758.4	750.1
25°	1060.3	1063.0	1012.7	961.5	956.9	952.3	919.4	885.5	852.6	818.7	790.4
27.5°	1145.3	1148.1	1146.2	1144.4	1129.8	1114.2	1058.4	1001.7	945.9	889.2	848.9
30°	1027.3	1063.0	1076.7	1090.4	1080.4	1069.4	1010.9	953.2	894.7	836.1	809.6
32.5°	744.6	757.5	780.3	802.3	814.2	825.2	806.9	788.6	770.3	752.0	747.4
35°	694.3	704.4	709.0	713.5	706.2	698.9	685.2	671.5	656.8	643.1	640.4
37.5°	708.1	716.3	725.4	734.6	714.5	693.4	677.9	663.2	647.7	632.1	619.3
40°	720.9	731.8	737.3	742.8	722.7	702.6	683.4	665.1	645.9	626.6	613.8
42.5°	722.7	729.1	739.2	749.2	720.9	691.6	674.2	655.9	638.5	620.2	607.4
45°	714.5	718.1	727.3	736.4	703.5	669.6	654.1	637.6	622.1	605.6	594.6
47.5°	702.6	704.4	711.7	718.1	683.4	647.7	633.0	618.4	602.9	588.2	577.2
50°	686.1	685.2	690.7	695.3	659.6	623.9	609.3	595.5	580.9	566.3	557.1
52.5°	665.1	663.2	668.7	673.3	635.8	598.3	585.5	573.6	560.8	548.0	540.6
55°	641.3	638.5	643.1	647.7	611.1	573.6	562.6	550.7	539.7	527.8	521.4
57.5°	632.1	625.7	628.5	631.2	590.0	548.9	537.9	526.9	515.9	505.0	500.4
60°	617.5	611.1	613.8	615.7	571.8	526.9	516.9	505.9	495.8	484.8	480.3
62.5°	575.4	570.8	574.5	578.2	538.8	498.6	489.4	481.2	472.0	462.9	456.5
65°	515.0	511.4	518.7	526.0	492.2	458.3	452.8	447.3	440.9	435.4	429.0
67.5°	462.0	458.3	465.6	473.0	448.3	423.6	418.1	412.6	407.1	401.6	397.9
70°	417.2	414.4	420.8	427.2	406.2	385.1	379.6	375.1	369.6	364.1	361.3
72.5°	366.8	363.2	371.4	378.7	361.3	343.1	338.5	333.0	328.4	322.9	321.1
75°	312.9	309.2	316.5	322.9	311.0	298.2	293.7	289.1	284.5	279.9	279.0
77.5°	258.0	253.4	260.7	267.1	259.8	251.6	247.9	243.3	239.7	235.1	235.1
80°	201.3	195.8	201.3	205.8	203.1	200.3	197.6	193.9	191.2	187.5	188.4
82.5°	142.7	137.2	140.0	142.7	144.5	146.4	146.4	146.4	146.4	146.4	146.4
85°	85.1	79.6	80.5	81.4	84.2	86.9	87.8	88.7	89.7	90.6	91.5
87.5°	22.0	19.2	17.4	14.6	17.4	19.2	21.0	22.0	23.8	24.7	24.7
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: P368592
 CATALOG NUMBER: MSA-SA4D-727-U-SLR

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: P368592

CATALOG NUMBER: MSA-SA4D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9
2.5°	1949.4	1916.5	1884.5	1904.6	1923.8	1944.0	1963.2	1964.1	1964.1	1965.0	1965.0
5°	2094.9	2095.8	2096.7	2077.5	2059.2	2040.0	2020.8	2010.7	2000.7	1989.7	1979.6
7.5°	1871.7	1869.9	1867.1	1848.8	1830.5	1812.2	1793.9	1750.0	1705.2	1661.3	1616.5
10°	1555.2	1525.0	1493.9	1486.6	1480.2	1472.8	1465.5	1453.6	1442.6	1430.8	1418.9
12.5°	1323.7	1320.1	1316.4	1297.2	1278.0	1257.9	1238.6	1238.6	1238.6	1238.6	1238.6
15°	1103.3	1086.8	1069.4	1060.3	1050.2	1041.0	1031.0	1026.4	1021.8	1017.3	1012.7
17.5°	916.6	901.1	884.6	882.8	881.0	879.1	877.3	872.7	868.1	863.6	859.0
20°	788.6	773.9	759.3	764.8	770.3	774.8	780.3	775.8	771.2	765.7	761.1
22.5°	741.0	732.8	723.6	719.0	714.5	709.0	704.4	704.4	705.3	705.3	705.3
25°	762.9	734.6	706.2	692.5	678.8	664.1	650.4	644.9	640.4	634.9	629.4
27.5°	808.7	767.5	727.3	703.5	679.7	655.9	632.1	622.1	611.1	601.0	590.0
30°	782.2	755.6	728.2	700.7	673.3	645.9	618.4	605.6	592.8	579.1	566.3
32.5°	742.8	737.3	732.8	707.1	681.5	655.0	629.4	623.9	619.3	613.8	608.3
35°	636.7	634.0	630.3	623.9	617.5	611.1	604.7	597.4	590.0	582.7	575.4
37.5°	607.4	594.6	581.8	579.1	576.3	573.6	570.8	568.1	565.3	561.7	558.9
40°	601.0	588.2	575.4	570.8	566.3	560.8	556.2	557.1	558.9	559.9	560.8
42.5°	593.7	580.9	567.2	563.5	559.9	556.2	552.5	553.5	555.3	556.2	557.1
45°	584.6	573.6	562.6	556.2	550.7	544.3	537.9	543.4	548.9	553.5	558.9
47.5°	566.3	554.4	543.4	539.7	536.1	531.5	527.8	533.3	538.8	543.4	548.9
50°	547.1	537.9	527.8	526.9	526.0	524.2	523.3	526.9	530.6	534.2	537.9
52.5°	532.4	525.1	516.9	516.9	515.9	515.9	515.0	518.7	522.4	525.1	528.8
55°	515.9	509.5	503.1	504.1	505.9	506.8	507.7	511.4	515.9	519.6	523.3
57.5°	494.9	490.3	484.8	488.5	491.2	494.9	497.7	500.4	504.1	506.8	509.5
60°	474.8	470.2	464.7	468.4	473.0	476.6	480.3	483.0	485.8	488.5	491.2
62.5°	450.1	442.8	436.4	441.8	446.4	451.9	456.5	458.3	461.1	462.9	464.7
65°	423.6	417.2	410.7	414.4	418.1	420.8	424.5	427.2	430.0	432.7	435.4
67.5°	393.4	389.7	385.1	387.9	390.6	393.4	396.1	397.0	397.0	397.9	397.9
70°	357.7	354.9	351.3	353.1	355.9	357.7	359.5	359.5	359.5	358.6	358.6
72.5°	320.2	318.4	316.5	317.4	319.3	320.2	321.1	320.2	319.3	318.4	317.4
75°	278.1	277.2	276.3	277.2	279.0	279.9	280.8	279.9	278.1	277.2	275.4
77.5°	236.0	236.0	236.0	236.0	236.9	236.9	236.9	235.1	233.3	231.4	229.6
80°	189.4	190.3	191.2	191.2	191.2	191.2	191.2	189.4	187.5	184.8	183.0
82.5°	146.4	146.4	146.4	146.4	147.3	147.3	147.3	142.7	139.1	134.5	129.9
85°	91.5	92.4	92.4	93.3	94.2	94.2	95.1	88.7	83.2	76.8	70.4
87.5°	24.7	24.7	24.7	24.7	24.7	23.8	23.8	18.3	11.9	6.4	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: P368592
 CATALOG NUMBER: MSA-SA4D-727-U-SLR

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: P368592

CATALOG NUMBER: MSA-SA4D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9
2.5°	1970.5	1976.0	1980.5	1986.0	1987.0	1987.9	1987.9	1988.8	1969.6	1950.4	1930.2
5°	1993.4	2006.2	2019.9	2032.7	2029.9	2027.2	2024.5	2021.7	2016.2	2011.7	2006.2
7.5°	1606.4	1597.2	1587.2	1577.1	1585.4	1593.6	1601.8	1610.1	1613.7	1617.4	1620.1
10°	1396.0	1373.1	1350.2	1327.4	1314.6	1300.9	1288.0	1274.3	1272.5	1271.6	1269.7
12.5°	1214.9	1190.2	1166.4	1141.7	1134.4	1126.1	1118.8	1110.6	1117.9	1125.2	1131.6
15°	1002.6	993.5	983.4	973.4	981.6	989.8	998.1	1006.3	1013.6	1020.0	1027.3
17.5°	854.4	850.8	846.2	841.6	848.9	857.2	864.5	871.8	888.3	904.7	921.2
20°	757.5	754.7	751.1	747.4	744.6	741.0	738.2	734.6	758.4	781.2	805.0
22.5°	699.8	694.3	688.8	683.4	684.3	685.2	685.2	686.1	705.3	725.4	744.6
25°	627.6	625.7	623.9	622.1	627.6	633.0	637.6	643.1	660.5	677.9	694.3
27.5°	591.0	591.9	592.8	593.7	601.0	609.3	616.6	623.9	635.8	647.7	659.6
30°	570.8	576.3	580.9	585.5	588.2	591.0	593.7	596.5	608.3	619.3	631.2
32.5°	601.0	593.7	585.5	578.2	581.8	586.4	590.0	593.7	604.7	615.7	626.6
35°	572.7	569.0	566.3	562.6	567.2	571.8	575.4	580.0	590.0	599.2	609.3
37.5°	558.0	557.1	556.2	555.3	558.0	560.8	562.6	565.3	574.5	583.6	591.9
40°	557.1	552.5	548.9	544.3	547.1	549.8	551.6	554.4	565.3	576.3	587.3
42.5°	551.6	546.1	539.7	534.2	537.0	540.6	543.4	546.1	558.0	569.0	580.9
45°	550.7	542.5	533.3	525.1	528.8	532.4	536.1	539.7	548.9	558.0	566.3
47.5°	540.6	532.4	524.2	515.9	517.8	519.6	520.5	522.4	530.6	537.9	546.1
50°	532.4	526.0	520.5	514.1	511.4	509.5	506.8	504.1	510.5	516.9	523.3
52.5°	522.4	515.9	508.6	502.2	498.6	494.9	491.2	487.6	493.1	497.7	503.1
55°	515.9	507.7	500.4	492.2	487.6	483.0	478.4	473.9	477.5	480.3	483.9
57.5°	502.2	494.9	486.7	479.4	473.9	468.4	462.0	456.5	458.3	460.1	462.0
60°	483.9	475.7	468.4	460.1	453.7	447.3	440.0	433.6	434.5	436.4	437.3
62.5°	457.4	450.1	441.8	434.5	427.2	420.8	413.5	406.2	408.0	408.9	410.7
65°	428.1	419.9	412.6	404.3	397.9	391.5	384.2	377.8	379.6	381.5	382.4
67.5°	392.5	386.0	380.6	374.2	368.7	362.3	356.8	350.4	351.3	352.2	353.1
70°	354.0	348.5	344.0	338.5	333.9	329.3	324.8	320.2	320.2	321.1	321.1
72.5°	312.9	308.3	303.7	299.1	294.6	290.9	286.3	281.8	283.6	285.4	286.3
75°	270.8	267.1	262.5	258.0	254.3	250.7	246.1	242.4	244.3	246.1	247.0
77.5°	226.9	224.1	220.5	217.7	214.1	210.4	205.8	202.2	204.0	205.8	206.7
80°	181.1	179.3	176.6	174.7	171.1	167.4	163.7	160.1	161.0	161.0	161.9
82.5°	130.8	131.7	131.7	132.6	129.9	126.2	123.5	119.8	119.8	119.8	118.9
85°	73.2	76.8	79.6	82.3	79.6	76.8	74.1	71.4	70.4	70.4	69.5
87.5°	2.7	4.6	7.3	9.1	8.2	7.3	5.5	4.6	5.5	6.4	6.4
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: P368592
 CATALOG NUMBER: MSA-SA4D-727-U-SLR

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: P368592

CATALOG NUMBER: MSA-SA4D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9
2.5°	1911.0	1926.6	1942.1	1957.7	1973.2	1997.0	2020.8	2045.5	2070.2	2056.5	2041.8
5°	2000.7	2009.8	2019.9	2029.0	2038.2	2064.7	2090.3	2122.3	2153.4	2149.8	2145.2
7.5°	1623.8	1636.6	1649.4	1661.3	1674.1	1714.3	1754.6	1788.4	1822.3	1817.7	1812.2
10°	1267.9	1294.4	1321.9	1348.4	1374.9	1407.9	1439.9	1468.3	1496.6	1544.2	1590.8
12.5°	1138.9	1180.1	1221.3	1262.4	1303.6	1327.4	1350.2	1386.8	1423.4	1449.0	1475.6
15°	1033.7	1072.1	1110.6	1149.0	1187.4	1189.2	1191.1	1229.5	1267.9	1289.9	1310.9
17.5°	937.7	958.7	979.8	999.9	1020.9	1013.6	1006.3	1024.6	1042.0	1051.1	1061.2
20°	827.9	842.5	857.2	871.8	886.4	896.5	905.7	916.6	926.7	917.5	907.5
22.5°	763.9	785.8	808.7	830.6	852.6	859.0	864.5	858.1	851.7	848.9	846.2
25°	711.7	738.2	765.7	792.2	818.7	831.6	844.4	849.9	854.4	844.4	834.3
27.5°	671.5	703.5	734.6	766.6	797.7	820.6	843.4	849.9	855.3	848.0	839.8
30°	642.2	677.0	711.7	746.5	781.2	816.0	849.9	880.0	909.3	906.6	903.8
32.5°	637.6	661.4	685.2	709.0	732.8	754.7	775.8	777.6	778.5	771.2	762.9
35°	618.4	634.0	649.5	665.1	680.6	694.3	707.1	705.3	703.5	696.2	688.8
37.5°	601.0	616.6	633.0	648.6	664.1	687.9	710.8	706.2	700.7	693.4	686.1
40°	598.3	615.7	633.0	649.5	666.9	688.8	710.8	706.2	701.7	692.5	683.4
42.5°	591.9	609.3	625.7	643.1	659.6	686.1	711.7	703.5	694.3	687.0	679.7
45°	575.4	591.0	606.5	622.1	637.6	666.0	694.3	684.3	674.2	671.5	667.8
47.5°	553.5	569.0	584.6	600.1	615.7	644.0	671.5	663.2	654.1	653.2	651.3
50°	529.7	544.3	559.9	574.5	589.1	617.5	644.9	637.6	630.3	631.2	631.2
52.5°	507.7	521.4	534.2	548.0	560.8	589.1	616.6	611.1	604.7	606.5	607.4
55°	486.7	497.7	508.6	519.6	530.6	558.0	585.5	577.2	569.0	571.8	574.5
57.5°	463.8	473.0	482.1	490.3	499.5	526.9	553.5	544.3	534.2	538.8	542.5
60°	438.2	446.4	454.7	462.0	470.2	494.9	518.7	510.5	501.3	507.7	513.2
62.5°	411.7	418.1	424.5	430.9	437.3	460.1	483.0	476.6	470.2	477.5	483.9
65°	384.2	388.8	394.3	398.9	403.4	425.4	446.4	441.8	437.3	443.7	450.1
67.5°	354.0	357.7	362.3	365.9	369.6	389.7	409.8	405.3	399.8	405.3	409.8
70°	321.1	324.8	327.5	331.2	333.9	352.2	370.5	364.1	356.8	362.3	366.8
72.5°	288.2	290.0	292.7	294.6	296.4	310.1	323.8	318.4	312.9	318.4	322.9
75°	248.8	250.7	252.5	254.3	256.1	268.0	279.0	272.6	265.3	270.8	276.3
77.5°	208.6	209.5	211.3	212.2	213.1	221.4	228.7	222.3	215.0	221.4	227.8
80°	161.9	162.8	163.7	163.7	164.7	167.4	170.2	165.6	160.1	168.3	176.6
82.5°	118.9	118.0	118.0	117.1	116.2	116.2	115.3	112.5	108.9	116.2	123.5
85°	68.6	67.7	65.9	65.0	63.1	60.4	57.6	56.7	55.8	62.2	68.6
87.5°	7.3	6.4	4.6	3.7	1.8	0.9	0.0	0.0	0.0	3.7	8.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368592
 CATALOG NUMBER: MSA-SA4D-727-U-SLR

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: P368592

CATALOG NUMBER: MSA-SA4D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9
2.5°	2028.1	2013.5	1999.8	1986.0	1972.3	1958.6	1944.2	2009.8	2035.4	2061.1	2083.9
5°	2141.6	2137.0	2125.1	2114.1	2102.2	2090.3	2096.7	2104.0	2110.5	2116.9	2130.6
7.5°	1807.7	1802.2	1827.8	1852.5	1878.1	1902.8	1909.2	1914.7	1921.1	1926.6	1922.9
10°	1638.4	1685.1	1697.0	1707.9	1719.8	1730.8	1749.1	1767.4	1784.8	1803.1	1813.1
12.5°	1501.2	1526.8	1568.9	1611.9	1654.0	1696.0	1723.5	1750.9	1778.4	1805.8	1862.5
15°	1332.9	1353.9	1385.9	1417.9	1450.0	1482.0	1521.3	1561.6	1600.9	1640.2	1702.4
17.5°	1070.3	1079.5	1103.3	1127.0	1149.9	1173.7	1226.8	1278.9	1332.0	1384.1	1455.5
20°	898.3	888.3	888.3	889.2	889.2	889.2	942.2	994.4	1047.4	1099.6	1193.8
22.5°	842.5	839.8	829.7	818.7	808.7	797.7	825.2	853.5	881.0	908.4	985.2
25°	823.3	813.3	800.5	787.6	774.8	762.0	779.4	796.8	814.2	831.6	891.9
27.5°	832.5	824.2	830.6	836.1	842.5	848.0	853.5	859.0	864.5	870.0	891.0
30°	901.1	898.3	908.4	917.5	927.6	936.8	924.0	912.1	899.3	886.4	893.8
32.5°	755.6	747.4	743.7	740.1	736.4	732.8	731.8	730.9	729.1	728.2	744.6
35°	681.5	674.2	668.7	663.2	656.8	651.3	654.1	655.9	658.7	660.5	678.8
37.5°	678.8	671.5	665.1	658.7	651.3	644.9	647.7	651.3	654.1	656.8	670.6
40°	674.2	665.1	661.4	657.7	654.1	650.4	652.3	654.1	655.0	656.8	666.9
42.5°	671.5	664.1	662.3	660.5	658.7	656.8	658.7	660.5	661.4	663.2	675.1
45°	665.1	661.4	663.2	665.1	666.9	668.7	668.7	668.7	668.7	668.7	681.5
47.5°	650.4	648.6	654.1	659.6	665.1	670.6	679.7	688.8	697.1	706.2	709.0
50°	632.1	632.1	641.3	650.4	658.7	667.8	689.8	710.8	732.8	753.8	740.1
52.5°	609.3	610.2	623.9	636.7	650.4	663.2	683.4	703.5	722.7	742.8	722.7
55°	576.3	579.1	596.5	612.9	630.3	646.8	662.3	677.9	693.4	709.0	687.9
57.5°	547.1	550.7	569.0	586.4	604.7	622.1	631.2	641.3	650.4	659.6	645.9
60°	519.6	525.1	548.9	572.7	595.5	619.3	612.0	604.7	596.5	589.1	588.2
62.5°	491.2	497.7	519.6	541.6	562.6	584.6	573.6	562.6	550.7	539.7	544.3
65°	455.6	462.0	472.0	482.1	491.2	501.3	500.4	500.4	499.5	498.6	507.7
67.5°	415.3	419.9	426.3	431.8	438.2	443.7	447.3	451.9	455.6	459.2	470.2
70°	372.3	376.9	383.3	388.8	395.2	400.7	405.3	409.8	413.5	418.1	429.0
72.5°	328.4	333.0	339.4	345.8	351.3	357.7	361.3	365.0	367.8	371.4	380.6
75°	281.8	287.2	293.7	299.1	305.5	311.0	313.8	316.5	319.3	322.0	330.2
77.5°	234.2	240.6	247.0	253.4	259.8	266.2	267.1	268.0	269.0	269.9	277.2
80°	183.9	192.1	198.5	204.9	211.3	217.7	217.7	217.7	217.7	217.7	221.4
82.5°	130.8	138.1	145.5	151.9	159.2	165.6	165.6	164.7	164.7	163.7	163.7
85°	75.0	81.4	86.0	91.5	96.1	100.6	100.6	100.6	99.7	99.7	97.9
87.5°	11.9	15.6	17.4	20.1	22.0	23.8	22.9	22.9	22.0	21.0	18.3
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: P368592
 CATALOG NUMBER: MSA-SA4D-727-U-SLR

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: P368592

CATALOG NUMBER: MSA-SA4D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9
2.5°	2106.8	2129.7	2152.5	2148.9	2145.2	2141.6	2137.9	2151.6	2164.4	2178.1	2191.0
5°	2143.4	2157.1	2169.9	2180.0	2190.0	2200.1	2210.2	2256.8	2302.6	2349.2	2395.0
7.5°	1919.3	1914.7	1911.0	1954.0	1997.9	2040.9	2083.9	2143.4	2202.8	2262.3	2321.8
10°	1823.2	1833.3	1843.3	1860.7	1879.0	1896.4	1913.8	1972.3	2030.9	2089.4	2148.0
12.5°	1918.3	1975.1	2030.9	2044.6	2059.2	2072.9	2086.7	2098.6	2110.5	2121.4	2133.3
15°	1764.7	1826.9	1889.1	1924.7	1960.4	1995.2	2030.9	2120.5	2209.2	2298.9	2387.6
17.5°	1525.9	1597.2	1667.7	1755.5	1843.3	1931.1	2019.0	2101.3	2183.6	2265.1	2347.4
20°	1288.0	1381.4	1475.6	1571.6	1666.8	1762.8	1858.0	1938.5	2019.0	2098.6	2179.1
22.5°	1061.2	1138.0	1213.9	1331.0	1447.2	1564.3	1680.5	1830.5	1979.6	2129.7	2278.8
25°	951.4	1011.8	1071.2	1192.0	1312.7	1432.6	1553.3	1748.2	1942.1	2137.0	2330.9
27.5°	913.0	934.0	955.1	1064.8	1173.7	1283.5	1392.3	1602.7	1813.1	2022.6	2233.0
30°	901.1	908.4	915.7	1001.7	1087.7	1173.7	1259.7	1467.3	1675.9	1883.6	2091.2
32.5°	760.2	776.7	792.2	876.4	959.6	1043.8	1127.0	1336.5	1545.1	1754.6	1963.2
35°	697.1	715.4	733.7	816.0	898.3	979.8	1062.1	1282.6	1503.9	1724.4	1944.9
37.5°	684.3	698.0	711.7	805.0	898.3	991.6	1085.0	1308.2	1531.4	1754.6	1977.8
40°	677.9	687.9	698.0	788.6	880.0	970.6	1061.2	1295.4	1528.6	1762.8	1996.1
42.5°	686.1	698.0	709.0	791.3	872.7	955.1	1036.5	1278.9	1520.4	1762.8	2004.3
45°	693.4	706.2	718.1	795.0	871.8	948.7	1025.5	1284.4	1542.4	1801.2	2059.2
47.5°	710.8	713.5	715.4	782.2	848.0	914.8	980.7	1244.1	1507.6	1770.1	2033.6
50°	725.4	711.7	697.1	766.6	835.2	904.7	973.4	1223.1	1472.8	1721.7	1971.4
52.5°	702.6	681.5	661.4	736.4	811.4	885.5	960.5	1210.3	1460.9	1710.7	1960.4
55°	667.8	646.8	625.7	701.7	777.6	853.5	929.4	1178.3	1428.0	1676.8	1925.7
57.5°	633.0	619.3	605.6	667.8	730.9	793.1	855.3	1125.2	1394.2	1664.0	1933.0
60°	587.3	585.5	584.6	633.0	682.4	730.9	779.4	1043.8	1307.3	1571.6	1835.1
62.5°	548.0	552.5	556.2	595.5	634.9	673.3	712.6	967.9	1224.0	1479.2	1734.5
65°	517.8	526.9	536.1	580.9	625.7	669.6	714.5	928.5	1142.6	1356.7	1570.7
67.5°	481.2	492.2	503.1	561.7	620.2	678.8	737.3	913.9	1090.4	1267.0	1443.6
70°	439.1	450.1	460.1	535.2	609.3	684.3	758.4	914.8	1072.1	1228.6	1385.0
72.5°	389.7	398.9	408.0	488.5	569.0	649.5	730.0	862.7	995.3	1127.0	1259.7
75°	339.4	347.6	355.9	425.4	494.9	564.4	634.0	736.4	838.0	940.4	1042.0
77.5°	283.6	290.9	297.3	344.0	390.6	437.3	483.9	562.6	640.4	719.0	796.8
80°	225.0	228.7	232.4	259.8	286.3	313.8	340.3	392.5	444.6	495.8	548.0
82.5°	164.7	164.7	164.7	182.0	200.3	217.7	235.1	261.6	287.2	313.8	339.4
85°	96.1	93.3	91.5	103.4	115.3	127.2	139.1	150.0	161.0	172.0	183.0
87.5°	15.6	11.9	9.1	16.5	23.8	31.1	38.4	42.1	46.7	50.3	54.0
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: P368592
 CATALOG NUMBER: MSA-SA4D-727-U-SLR

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: P368592

CATALOG NUMBER: MSA-SA4D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9
2.5°	2159.9	2129.7	2098.6	2067.5	2113.2	2158.9	2204.7	2250.4	2372.1	2444.4	2448.9
5°	2433.4	2471.8	2510.2	2548.6	2587.1	2625.5	2663.0	2701.4	2899.0	3020.7	3043.6
7.5°	2384.9	2448.9	2512.0	2575.2	2684.0	2792.9	2901.8	3010.6	3178.0	3298.8	3378.4
10°	2226.6	2305.3	2384.0	2462.7	2591.6	2721.5	2850.5	2979.5	3157.0	3316.2	3392.1
12.5°	2258.6	2384.0	2508.4	2633.7	2745.3	2857.8	2969.5	3081.1	3203.6	3264.0	3402.2
15°	2474.5	2561.4	2648.4	2735.3	2903.6	3071.0	3239.3	3406.7	3476.3	3614.4	3738.8
17.5°	2507.5	2666.7	2826.7	2985.9	3191.7	3397.6	3603.4	3809.2	3938.2	4116.6	4266.6
20°	2405.0	2630.1	2856.0	3081.1	3346.3	3612.6	3877.9	4143.1	4306.9	4456.9	4689.3
22.5°	2527.6	2776.4	3024.3	3273.2	3625.4	3976.6	4328.8	4680.1	5022.3	5357.1	5514.4
25°	2663.0	2996.0	3328.1	3660.1	4100.1	4539.3	4979.3	5418.4	5858.4	6172.2	6353.3
27.5°	2567.9	2901.8	3236.6	3570.5	4114.8	4660.0	5204.3	5748.6	6219.7	6597.6	6753.1
30°	2501.1	2910.9	3320.7	3730.6	4369.1	5007.6	5646.2	6284.7	6720.1	7141.9	7370.6
32.5°	2489.2	3015.2	3540.3	4066.3	4810.0	5552.9	6296.6	7039.4	7328.5	7702.6	8010.9
35°	2522.1	3100.3	3677.5	4254.7	5107.3	5959.9	6811.6	7664.2	8075.0	8445.5	8715.3
37.5°	2622.7	3267.7	3911.7	4556.6	5584.0	6612.2	7639.5	8666.8	9355.7	10033.6	10154.3
40°	2679.5	3363.7	4047.1	4730.4	5925.2	7119.9	8314.6	9509.4	10301.6	11045.3	11095.6
42.5°	2746.2	3488.1	4229.1	4971.0	6295.7	7621.2	8945.9	10270.5	11251.2	12050.7	12074.5
45°	2823.1	3586.0	4349.9	5112.8	6496.0	7878.3	9261.5	10643.7	11829.3	12800.8	12563.9
47.5°	2853.3	3673.8	4493.5	5313.2	6787.8	8261.6	9736.2	11210.0	12273.9	13157.6	12930.7
50°	2865.2	3759.8	4653.6	5547.4	7075.1	8603.7	10131.4	11659.2	12741.4	13603.1	13255.5
52.5°	2939.3	3918.1	4896.9	5875.8	7467.5	9059.3	10651.1	12242.8	13307.6	14135.5	13703.8
55°	3039.0	4152.3	5264.7	6378.0	8025.6	9672.2	11319.8	12966.4	14034.9	14805.2	14270.0
57.5°	3131.4	4330.7	5529.1	6727.5	8434.5	10142.4	11849.4	13556.5	14638.7	15400.7	14882.0
60°	3086.5	4338.0	5589.4	6840.9	8518.6	10195.5	11873.2	13550.1	14778.6	15692.5	15427.2
62.5°	2951.2	4167.8	5383.6	6600.3	8193.0	9784.7	11377.4	12969.2	14407.2	15579.1	15567.2
65°	2690.4	3810.2	4929.0	6048.7	7522.4	8997.1	10470.8	11944.6	13639.7	15063.1	15155.5
67.5°	2373.0	3302.4	4231.9	5161.3	6549.1	7936.8	9324.6	10712.3	12524.6	14095.3	14174.9
70°	2065.6	2747.2	3427.8	4108.4	5326.9	6545.4	7763.0	8981.5	10812.1	12401.1	12474.3
72.5°	1705.2	2150.7	2595.3	3040.8	4027.9	5015.0	6001.1	6988.2	8595.5	9817.7	10230.2
75°	1306.3	1570.7	1835.1	2099.5	2898.1	3696.7	4494.4	5293.1	6361.5	7263.5	7728.3
77.5°	934.0	1071.2	1208.5	1345.7	2024.5	2703.2	3381.1	4059.9	4621.6	5133.0	5446.7
80°	612.9	677.0	741.9	805.9	1370.4	1934.8	2498.3	3062.8	3404.9	3679.3	3837.6
82.5°	371.4	403.4	434.5	466.5	924.0	1381.4	1837.8	2295.2	2491.0	2621.8	2762.7
85°	200.3	217.7	235.1	252.5	546.1	838.9	1132.5	1425.3	1444.5	1460.0	1669.5
87.5°	58.5	64.0	68.6	73.2	120.8	169.2	216.8	264.4	164.7	102.5	210.4
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: P368592
 CATALOG NUMBER: MSA-SA4D-727-U-SLR

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: P368592

CATALOG NUMBER: MSA-SA4D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9
2.5°	2422.4	2410.5	2398.6	2385.8	2373.9	2323.6	2274.2	2223.9	2173.6	2222.1	2269.6
5°	3017.0	3053.6	3089.3	3125.9	3162.5	3165.2	3167.0	3169.8	3171.6	3180.8	3189.9
7.5°	3445.1	3510.1	3574.1	3639.1	3704.0	3754.4	3804.7	3855.9	3906.2	3860.5	3814.7
10°	3481.7	3619.0	3756.2	3893.4	4030.6	4055.3	4079.1	4103.8	4128.5	4161.4	4193.5
12.5°	3518.3	3685.7	3852.2	4019.6	4187.1	4260.2	4332.5	4405.7	4478.0	4513.6	4548.4
15°	3905.3	4004.1	4102.0	4200.8	4298.7	4349.0	4398.4	4448.7	4499.0	4529.2	4558.5
17.5°	4402.9	4439.5	4475.2	4511.8	4548.4	4582.2	4616.1	4649.9	4683.8	4689.3	4694.8
20°	4856.7	4864.0	4870.4	4877.7	4884.1	4812.8	4742.3	4671.0	4599.6	4612.4	4624.3
22.5°	5537.3	5497.1	5457.7	5417.5	5378.1	5243.7	5110.1	4975.6	4842.1	4784.4	4727.7
25°	6561.9	6459.4	6357.0	6254.5	6152.1	5938.0	5724.8	5510.8	5297.6	5172.3	5047.9
27.5°	6892.1	6668.9	6446.6	6223.4	6000.2	5838.3	5677.3	5515.3	5354.3	5155.8	4957.3
30°	7559.9	7207.7	6856.4	6504.3	6152.1	5995.6	5839.2	5681.8	5525.4	5322.3	5120.2
32.5°	8151.8	7785.9	7420.0	7053.1	6687.2	6390.8	6094.4	5798.0	5501.6	5364.4	5227.2
35°	8837.0	8376.9	7916.7	7456.6	6996.4	6742.1	6488.7	6234.4	5981.0	5773.3	5566.6
37.5°	9835.0	9345.6	8856.2	8365.9	7876.5	7532.5	7189.4	6845.5	6502.4	6388.1	6274.6
40°	10786.4	10208.3	9631.0	9052.9	8475.7	8212.2	7948.7	7684.3	7420.9	7227.9	7034.8
42.5°	11583.2	11011.5	10440.6	9868.9	9298.1	9106.0	8914.8	8722.6	8531.5	8372.3	8213.1
45°	11856.8	11390.2	10924.6	10458.0	9991.5	9923.8	9857.0	9789.3	9722.5	9604.5	9486.5
47.5°	12296.8	11821.1	11346.3	10870.6	10394.9	10419.6	10444.3	10469.9	10494.6	10501.0	10506.5
50°	12555.7	12103.8	11652.8	11200.8	10749.9	10869.7	10988.6	11108.5	11228.3	11500.0	11770.8
52.5°	12933.5	12489.8	12047.0	11603.4	11159.7	11362.8	11564.9	11768.0	11970.2	12350.8	12731.3
55°	13407.4	12982.9	12559.3	12134.9	11711.3	11908.9	12105.6	12303.2	12499.9	12923.4	13347.0
57.5°	14035.8	13581.2	13127.4	12672.8	12219.0	12401.1	12582.2	12764.2	12945.4	13347.9	13750.4
60°	14751.2	14257.2	13763.2	13268.3	12774.3	12824.6	12874.0	12924.3	12973.7	13410.1	13845.5
62.5°	15102.5	14645.1	14188.6	13731.2	13273.8	13133.8	12993.9	12853.0	12713.0	13103.6	13493.3
65°	14797.9	14483.2	14169.4	13854.7	13540.0	13293.0	13046.9	12799.9	12552.9	12797.2	13040.5
67.5°	13828.2	13649.8	13472.3	13293.9	13115.5	12701.1	12286.7	11871.4	11457.0	11473.5	11489.0
70°	12256.5	12209.0	12162.3	12114.7	12067.2	11444.2	10822.1	10199.1	9576.2	9481.0	9385.9
72.5°	10265.0	10296.1	10326.3	10357.4	10388.5	9718.9	9049.2	8379.6	7710.0	7551.7	7393.4
75°	7950.6	8122.5	8294.5	8467.4	8639.4	7999.0	7358.7	6717.4	6077.0	5882.2	5687.3
77.5°	5617.8	5938.9	6259.1	6580.2	6901.3	6322.2	5744.0	5165.0	4585.9	4459.7	4333.4
80°	3917.2	4074.5	4231.9	4389.2	4546.6	4255.7	3964.8	3673.8	3382.9	3417.7	3451.6
82.5°	2853.3	2889.9	2925.5	2962.1	2998.7	2879.8	2760.9	2641.0	2522.1	2612.7	2703.2
85°	1827.8	1958.6	2088.5	2219.3	2349.2	2217.5	2085.8	1953.1	1821.4	1881.8	1942.1
87.5°	408.9	646.8	884.6	1123.4	1361.2	1233.2	1106.0	977.9	849.9	792.2	735.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368592
 CATALOG NUMBER: MSA-SA4D-727-U-SLR

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: P368592

CATALOG NUMBER: MSA-SA4D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9
2.5°	2318.1	2366.6	2352.0	2338.2	2323.6	2309.0	2335.5	2362.0	2389.5	2416.0	2406.8
5°	3200.0	3209.1	3122.2	3036.2	2949.3	2862.4	2916.4	2970.4	3024.3	3078.3	3059.1
7.5°	3769.0	3723.2	3672.9	3622.6	3571.4	3521.1	3510.1	3499.1	3487.2	3476.3	3461.6
10°	4226.4	4258.4	4225.5	4193.5	4160.5	4127.6	4050.7	3973.9	3896.1	3819.3	3787.3
12.5°	4584.1	4619.8	4628.0	4635.3	4643.5	4651.8	4565.8	4480.7	4394.7	4308.7	4231.0
15°	4588.7	4618.8	4645.4	4671.0	4697.5	4723.1	4670.1	4617.9	4564.9	4511.8	4487.1
17.5°	4701.2	4706.7	4684.7	4663.7	4641.7	4620.7	4599.6	4579.5	4558.5	4538.3	4499.0
20°	4637.1	4649.9	4647.2	4644.5	4640.8	4638.1	4639.9	4640.8	4642.6	4643.5	4621.6
22.5°	4670.1	4612.4	4624.3	4635.3	4647.2	4658.2	4691.1	4724.0	4757.9	4790.8	4878.6
25°	4922.6	4797.2	4778.0	4759.7	4740.5	4722.2	4808.2	4893.3	4979.3	5065.3	5208.0
27.5°	4757.9	4559.4	4515.5	4471.6	4427.6	4383.7	4514.6	4644.5	4775.3	4906.1	5051.5
30°	4917.1	4714.9	4617.9	4521.0	4423.1	4326.1	4451.4	4575.8	4701.2	4825.6	4986.6
32.5°	5090.0	4952.7	4887.8	4823.8	4758.8	4694.8	4704.8	4714.9	4725.0	4735.0	4961.9
35°	5358.9	5151.3	5087.2	5023.2	4959.1	4895.1	5002.1	5108.3	5215.3	5321.4	5513.5
37.5°	6160.3	6045.9	5930.7	5815.4	5699.2	5584.0	5647.1	5710.2	5773.3	5836.4	6017.6
40°	6841.8	6648.8	6629.6	6611.3	6592.1	6572.9	6578.3	6582.9	6588.4	6593.9	6748.5
42.5°	8053.0	7893.8	7796.0	7698.1	7600.2	7502.3	7495.9	7489.5	7482.2	7475.8	7592.0
45°	9367.6	9249.6	9176.4	9103.2	9029.1	8955.9	8839.7	8723.6	8606.5	8490.3	8591.8
47.5°	10512.9	10519.3	10652.0	10783.7	10916.3	11049.0	10850.5	10652.0	10453.5	10254.9	10124.1
50°	12042.5	12313.3	12345.3	12376.4	12408.4	12440.4	12103.8	11768.0	11431.4	11094.7	10957.5
52.5°	13112.8	13493.3	13443.9	13395.5	13346.1	13296.7	13101.8	12907.9	12713.0	12518.2	12219.0
55°	13771.4	14195.0	14157.5	14120.9	14083.4	14045.9	13904.1	13762.3	13620.5	13478.7	13150.3
57.5°	14152.9	14555.4	14566.4	14577.4	14588.4	14599.3	14561.8	14524.3	14486.8	14449.3	14022.1
60°	14281.9	14718.3	14722.8	14726.5	14731.1	14734.7	14675.3	14615.8	14555.4	14496.0	14217.0
62.5°	13884.0	14273.7	14291.1	14307.5	14324.9	14342.3	14301.1	14260.0	14218.8	14177.6	13970.9
65°	13284.8	13529.0	13533.6	13537.3	13541.8	13546.4	13442.1	13338.7	13234.5	13130.2	13080.8
67.5°	11505.5	11521.9	11618.9	11715.9	11812.9	11909.8	11918.1	11926.3	11935.4	11943.7	11872.3
70°	9290.7	9195.6	9300.8	9406.0	9511.2	9616.4	9661.2	9706.1	9751.8	9796.6	9829.6
72.5°	7234.3	7076.0	7153.8	7231.5	7310.2	7388.0	7321.2	7254.4	7187.6	7120.8	7332.1
75°	5492.5	5297.6	5287.6	5278.4	5268.4	5259.2	5225.4	5191.5	5156.7	5122.9	5320.5
77.5°	4206.3	4080.0	4086.4	4091.9	4098.3	4103.8	4069.0	4035.2	4000.4	3965.7	4041.6
80°	3486.3	3520.2	3521.1	3522.0	3522.9	3523.8	3490.9	3458.9	3425.9	3393.0	3338.1
82.5°	2794.7	2885.3	2884.4	2884.4	2883.5	2882.5	2880.7	2878.9	2876.1	2874.3	2784.7
85°	2002.5	2062.9	2000.7	1938.5	1876.3	1814.1	1859.8	1905.5	1952.2	1997.9	1960.4
87.5°	677.9	621.2	547.1	473.9	399.8	325.7	405.3	484.8	565.3	644.9	690.7
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: P368592
 CATALOG NUMBER: MSA-SA4D-727-U-SLR

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: P368592

CATALOG NUMBER: MSA-SA4D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9	1987.9
2.5°	2398.6	2389.5	2381.2	2323.6	2265.1	2207.4	2148.9	2255.0	2362.0	2468.1	2574.3
5°	3040.8	3021.6	3003.3	2998.7	2994.2	2988.7	2984.1	3038.1	3092.0	3145.1	3199.1
7.5°	3447.0	3432.3	3417.7	3379.3	3341.8	3303.4	3264.9	3297.9	3329.9	3362.8	3394.8
10°	3756.2	3724.2	3692.1	3608.9	3526.6	3443.3	3360.1	3335.4	3310.7	3286.0	3261.3
12.5°	4153.2	4074.5	3996.8	3902.6	3807.4	3713.2	3618.0	3605.2	3592.4	3580.5	3567.7
15°	4463.3	4438.6	4413.9	4338.9	4263.9	4188.9	4113.9	4013.2	3911.7	3811.1	3710.4
17.5°	4460.6	4421.2	4382.8	4483.5	4583.2	4683.8	4783.5	4676.5	4568.5	4461.5	4354.5
20°	4599.6	4576.8	4554.8	4740.5	4925.3	5111.0	5295.8	5237.2	5177.8	5119.2	5059.8
22.5°	4965.6	5053.4	5140.3	5299.5	5457.7	5616.9	5775.2	5841.9	5908.7	5975.5	6042.3
25°	5349.8	5492.5	5635.2	5872.1	6108.1	6345.1	6582.0	6629.6	6677.1	6724.7	6772.3
27.5°	5196.1	5341.5	5487.0	5666.3	5844.7	6024.0	6202.4	6410.9	6620.4	6829.0	7037.6
30°	5146.7	5307.7	5467.8	5713.9	5959.0	6205.1	6451.2	6738.4	7025.7	7312.0	7599.3
32.5°	5187.8	5414.7	5641.6	5974.6	6306.7	6639.6	6972.6	7274.5	7577.3	7879.2	8181.1
35°	5704.7	5896.8	6088.0	6460.3	6832.7	7205.0	7577.3	7931.3	8285.4	8638.5	8992.5
37.5°	6197.8	6378.9	6560.1	6940.6	7320.3	7700.8	8081.4	8640.3	9200.2	9759.1	10318.1
40°	6902.2	7056.8	7210.5	7536.1	7861.8	8187.5	8513.2	9187.4	9861.6	10535.8	11210.0
42.5°	7707.2	7823.4	7938.7	8276.2	8613.8	8951.3	9288.9	10022.6	10757.2	11490.8	12224.5
45°	8692.5	8794.0	8895.5	9127.9	9360.3	9593.5	9825.9	10582.4	11339.0	12095.5	12852.1
47.5°	9993.3	9862.5	9731.7	9846.0	9960.4	10074.7	10189.1	10937.4	11685.7	12433.1	13181.4
50°	10820.3	10683.1	10545.9	10555.9	10565.1	10575.1	10585.2	11283.2	11981.2	12678.3	13376.3
52.5°	11919.9	11619.8	11320.7	11317.9	11315.2	11311.5	11308.8	11917.1	12526.4	13134.7	13743.1
55°	12821.9	12493.5	12165.1	12101.0	12037.0	11972.0	11908.0	12509.9	13111.0	13712.9	14313.9
57.5°	13594.9	13166.8	12739.5	12638.9	12538.3	12437.7	12337.0	12985.6	13635.1	14283.7	14932.3
60°	13938.9	13659.8	13381.7	13258.2	13134.7	13011.2	12887.7	13440.3	13992.8	14544.5	15097.0
62.5°	13765.0	13558.3	13352.5	13380.8	13409.2	13437.5	13465.9	13781.5	14098.0	14413.6	14729.2
65°	13032.3	12982.9	12934.4	13163.1	13391.8	13620.5	13849.2	13853.8	13858.4	13862.9	13867.5
67.5°	11801.0	11729.6	11658.3	12133.9	12608.7	13084.4	13560.1	13334.2	13108.2	12883.2	12657.2
70°	9861.6	9894.5	9926.5	10574.2	11221.0	11868.7	12516.3	12188.8	11860.4	11532.9	11204.5
72.5°	7543.5	7755.7	7967.0	8638.5	9310.0	9981.4	10652.9	10278.7	9903.7	9529.5	9154.4
75°	5518.1	5715.7	5913.3	6576.5	7239.8	7903.9	8567.1	8122.5	7677.9	7234.3	6789.7
77.5°	4117.5	4194.4	4270.3	4821.9	5372.6	5924.3	6475.0	6028.6	5582.1	5136.6	4690.2
80°	3284.1	3229.3	3175.3	3480.8	3786.4	4091.9	4397.5	4080.9	3763.5	3447.0	3130.5
82.5°	2695.9	2606.3	2517.5	2631.0	2744.4	2858.8	2972.2	2718.8	2465.4	2212.0	1958.6
85°	1922.9	1885.4	1847.9	1880.8	1912.9	1945.8	1978.7	1731.7	1484.7	1238.6	991.6
87.5°	735.5	781.2	827.0	879.1	930.4	982.5	1033.7	809.6	585.5	362.3	138.1
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: P368592
 CATALOG NUMBER: MSA-SA4D-727-U-SLR

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: P368592
 CATALOG NUMBER: MSA-SA4D-727-U-SLR

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1987.9	1987.9
2.5°	2618.2	2662.1
5°	3198.2	3197.2
7.5°	3380.2	3364.6
10°	3221.0	3180.8
12.5°	3448.8	3329.0
15°	3591.5	3471.7
17.5°	4174.2	3993.1
20°	4844.8	4628.9
22.5°	5713.9	5385.4
25°	6379.8	5986.5
27.5°	6804.3	6570.1
30°	7331.2	7063.2
32.5°	7983.5	7785.0
35°	8811.4	8629.3
37.5°	10261.3	10203.7
40°	11141.4	11071.9
42.5°	12227.3	12229.1
45°	12893.2	12934.4
47.5°	13285.7	13389.1
50°	13598.5	13819.9
52.5°	14045.9	14348.7
55°	14716.4	15118.0
57.5°	15274.5	15616.6
60°	15274.5	15451.0
62.5°	14724.7	14719.2
65°	13782.4	13696.4
67.5°	12549.3	12441.3
70°	11036.2	10866.9
72.5°	8944.9	8734.5
75°	6501.5	6212.4
77.5°	4553.0	4414.8
80°	3197.2	3264.0
82.5°	2053.7	2148.9
85°	977.0	962.4
87.5°	115.3	92.4
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: P368592
CATALOG NUMBER: MSA-SA4D-727-U-SLR

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)