

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: P367997

Luminaire Tested: **MSA-SA3C-750-U-SLR-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367997
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-SA3C-750-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: 13280 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



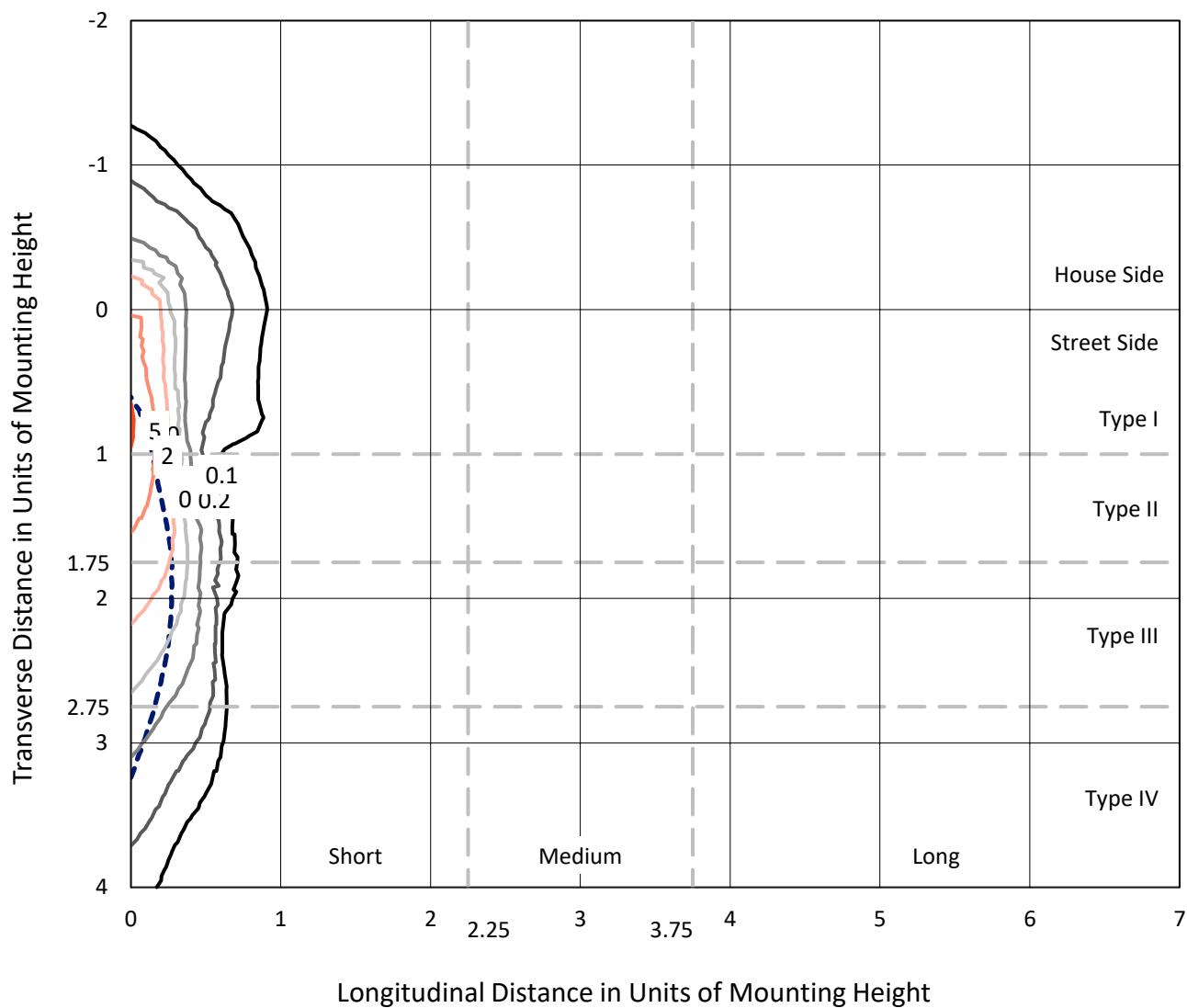
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

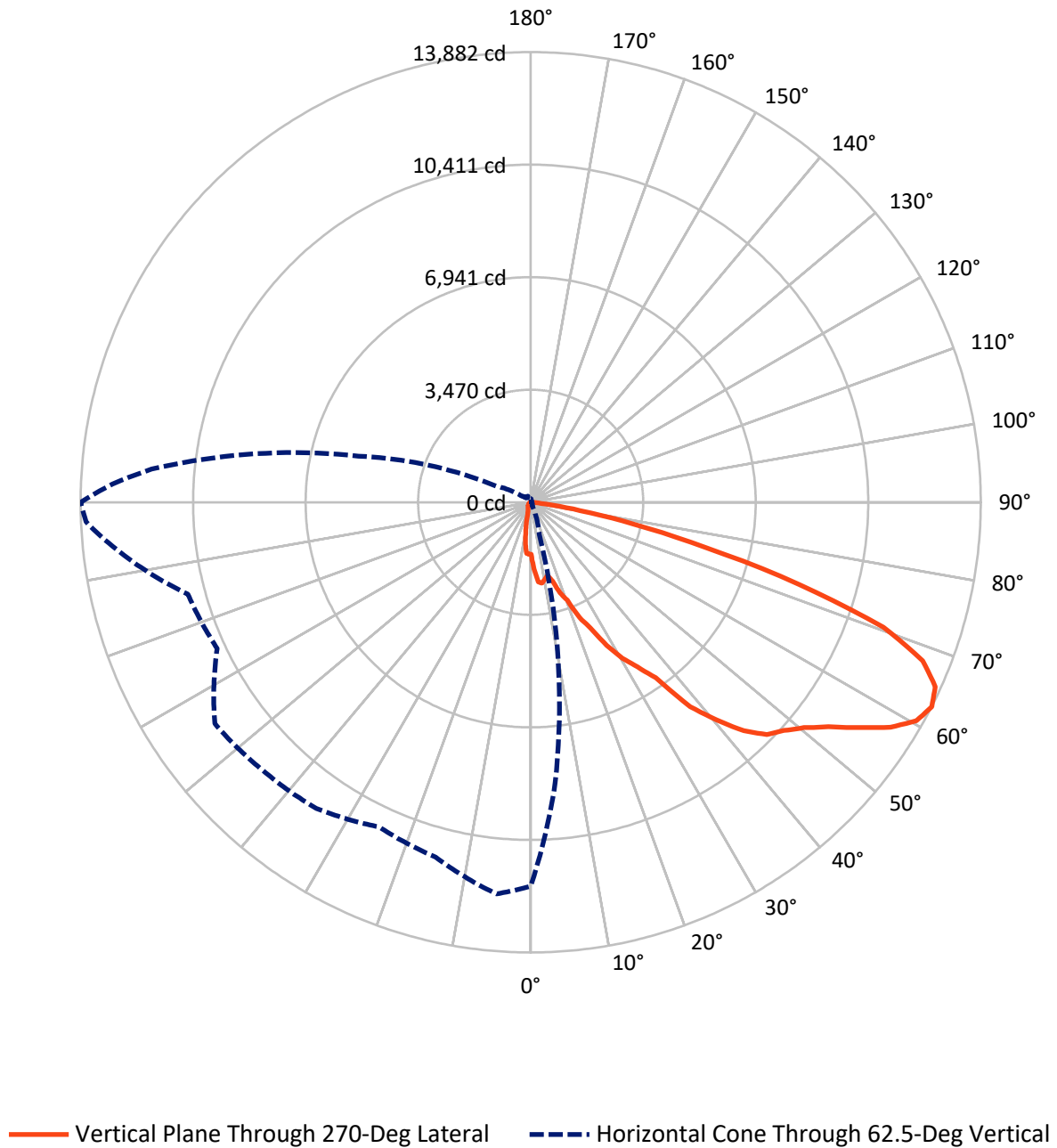


Based on 20 foot mounting height. Maximum calculated value = 10.7 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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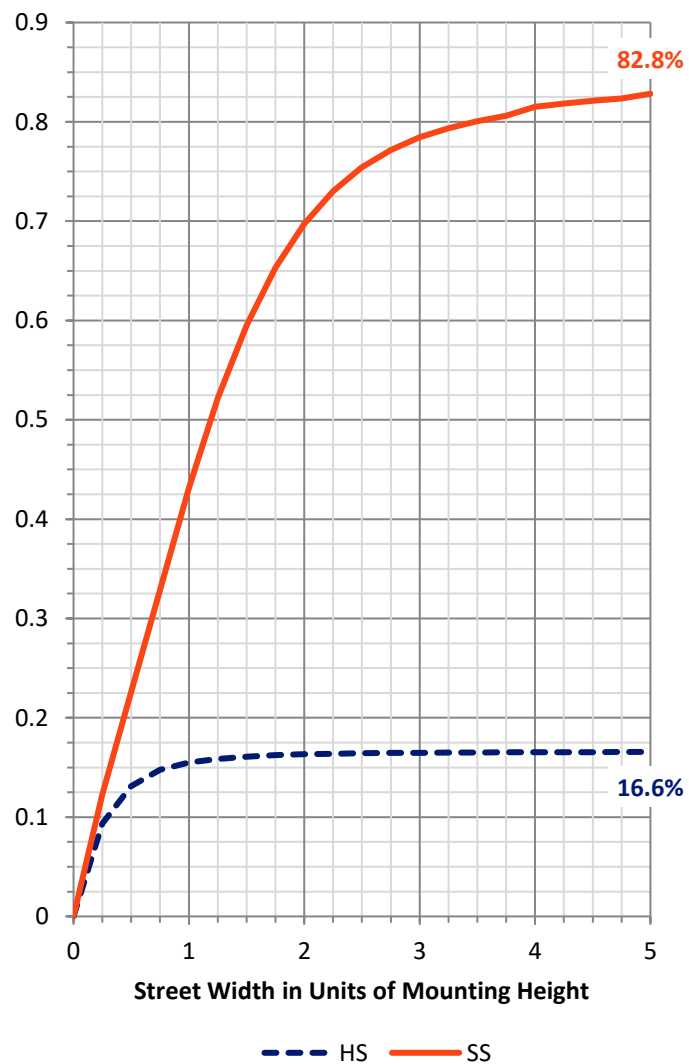
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2217.6	0.0	2217.6
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	11062.4	0.0	11062.4
	% Fixture	83.3	0.0	83.3
Total	Lumens	13280.0	0.0	13280.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.8	1.3
10°-20°	467.1	3.5
20°-30°	754.9	5.7
30°-40°	1264.4	9.5
40°-50°	2067.0	15.6
50°-60°	3059.8	23.0
60°-70°	3512.7	26.5
70°-80°	1736.8	13.1
80°-90°	238.6	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°	13280.0	100.0
0°-180°	13280.0	100.0

Coefficient of Utilization



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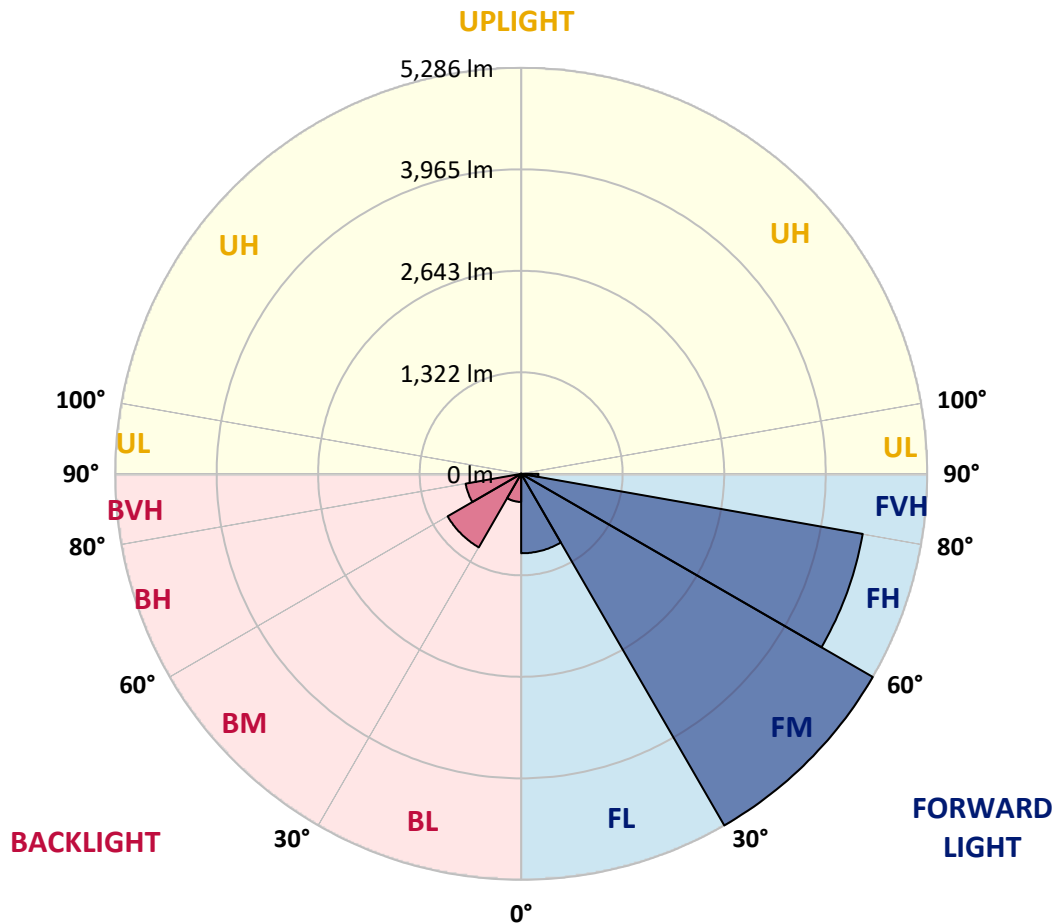
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1034.6	7.8			
FM	(30°-60°)	5286.1	39.8			
FH	(60°-80°)	4515.8	34.0			G2/5000
FVH	(80°-90°)	225.9	1.7			G3/500
BL	(0°-30°)	366.2	2.8	B1/500		
BM	(30°-60°)	1105.0	8.3	B2/2500		
BH	(60°-80°)	733.7	5.5	B2/1000		G2/1000
BVH	(80°-90°)	12.7	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3
2.5°	2121.9	2148.4	2174.1	2124.9	2075.7	2026.5	1977.3	1933.4	1889.5	1844.8	1800.9
5°	2730.5	2682.1	2633.6	2567.0	2500.4	2433.8	2367.1	2336.1	2305.1	2274.0	2243.0
7.5°	2942.5	2856.2	2769.1	2710.1	2651.8	2592.7	2533.7	2440.6	2346.7	2253.6	2159.7
10°	2775.9	2684.3	2592.0	2540.5	2489.0	2437.5	2386.1	2270.2	2153.7	2037.8	1921.3
12.5°	2852.4	2753.2	2654.0	2548.1	2442.1	2336.1	2230.1	2141.6	2052.2	1963.7	1874.3
15°	2905.4	2791.8	2677.5	2556.4	2435.3	2314.2	2193.0	2088.6	1984.9	1880.4	1775.9
17.5°	3216.5	3053.7	2891.0	2704.8	2518.5	2332.3	2146.1	2025.0	1904.6	1783.5	1662.4
20°	3616.2	3385.3	3153.7	2901.6	2649.5	2397.4	2145.3	1994.7	1844.1	1693.4	1542.8
22.5°	4081.0	3792.6	3503.4	3192.3	2881.9	2570.8	2259.7	2043.1	1826.6	1610.1	1393.6
25°	4548.8	4288.4	4028.0	3609.4	3190.8	2771.4	2352.8	2078.0	1802.4	1527.6	1252.1
27.5°	5393.6	4928.1	4462.5	3929.6	3397.4	2864.5	2331.6	2016.7	1701.7	1386.1	1071.2
30°	5946.3	5588.2	5229.4	4525.4	3822.1	3118.1	2414.1	2015.1	1616.2	1216.5	817.6
32.5°	6607.1	6083.3	5558.7	4794.9	4031.0	3267.2	2503.4	2034.8	1565.5	1096.9	627.6
35°	7349.7	6779.7	6209.7	5242.2	4274.8	3306.6	2339.1	1884.9	1430.7	976.5	522.3
37.5°	8661.6	7707.8	6754.0	5626.0	4497.3	3369.4	2240.7	1787.3	1333.1	879.6	425.4
40°	9406.5	8495.8	7585.2	6175.6	4766.1	3356.5	1947.0	1544.3	1142.3	739.6	336.9
42.5°	10375.5	9220.3	8064.3	6489.0	4913.7	3338.4	1763.1	1390.6	1018.2	645.0	272.5
45°	10950.0	9641.2	8332.3	6625.3	4918.2	3211.2	1504.2	1181.7	859.2	536.7	214.2
47.5°	11312.6	10000.0	8687.4	6854.7	5022.7	3190.0	1357.3	1060.6	763.8	467.1	170.3
50°	11496.6	10180.2	8863.0	6979.6	5096.1	3212.0	1328.5	1033.3	737.3	442.1	146.1
52.5°	11688.1	10418.6	9148.4	7196.1	5243.8	3291.4	1339.1	1037.8	737.3	436.0	134.7
55°	12074.9	10822.9	9570.0	7506.4	5442.8	3379.3	1315.7	1018.9	722.2	424.7	127.9
57.5°	12550.3	11212.0	9872.8	7733.5	5594.2	3455.0	1315.7	1017.4	719.2	420.1	121.9
60°	12460.3	11007.6	9554.1	7478.4	5402.7	3326.3	1250.6	966.7	683.6	399.7	115.8
62.5°	11841.8	10264.9	8687.4	6769.1	4850.1	2931.9	1012.9	786.5	560.2	333.1	106.7
65°	11115.1	9441.3	7766.8	6001.5	4235.4	2470.1	704.0	552.6	400.5	249.1	96.9
67.5°	10240.0	8455.0	6669.9	5099.9	3530.7	1960.6	390.6	314.9	239.2	162.8	87.1
70°	8721.4	6878.9	5035.6	3828.9	2623.0	1416.4	209.7	177.1	144.6	112.0	79.5
72.5°	6547.3	4859.2	3171.1	2408.8	1647.2	884.9	122.6	110.5	97.7	85.5	72.7
75°	4455.0	3190.0	1925.1	1465.6	1006.8	547.3	87.8	81.8	74.9	68.9	62.1
77.5°	3028.8	2190.8	1352.8	1032.6	712.3	392.1	71.9	68.1	64.3	59.8	56.0
80°	1891.0	1294.5	698.0	537.5	376.2	215.7	54.5	52.2	50.0	46.9	44.7
82.5°	1322.5	791.1	259.7	202.9	146.1	88.6	31.8	32.6	33.3	33.3	34.1
85°	554.9	299.8	44.7	37.9	31.0	24.2	17.4	18.9	21.2	22.7	24.2
87.5°	9.8	5.3	0.0	1.5	3.8	5.3	6.8	9.1	10.6	12.9	14.4
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



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3
2.5°	1812.3	1823.6	1834.2	1845.6	1836.5	1828.2	1819.1	1810.0	1796.4	1783.5	1769.9
5°	2205.1	2167.3	2129.4	2091.6	2034.1	1976.5	1918.2	1860.7	1853.9	1847.1	1839.5
7.5°	2071.2	1982.6	1893.3	1804.7	1721.4	1638.2	1554.9	1471.6	1445.9	1420.9	1395.2
10°	1853.1	1785.0	1716.1	1648.0	1588.2	1527.6	1467.8	1407.3	1344.4	1281.6	1218.0
12.5°	1803.2	1732.0	1660.1	1588.9	1534.4	1479.9	1425.4	1370.9	1300.5	1230.1	1159.7
15°	1698.7	1621.5	1544.3	1467.1	1394.4	1321.7	1248.3	1175.6	1090.8	1006.1	921.3
17.5°	1570.8	1479.9	1388.3	1296.7	1201.4	1106.0	1010.6	915.2	817.6	720.7	623.0
20°	1418.6	1294.5	1169.6	1045.4	927.3	809.2	690.4	572.3	511.0	450.4	389.1
22.5°	1233.2	1071.9	911.4	750.2	653.3	555.6	458.7	361.1	334.6	308.1	281.6
25°	1069.6	887.2	704.8	522.3	461.0	399.7	338.4	277.1	265.0	252.1	240.0
27.5°	899.3	728.2	556.4	384.6	349.7	314.2	279.3	243.8	235.4	227.9	219.5
30°	689.6	561.7	433.0	305.1	282.4	259.7	236.2	213.5	209.7	205.1	201.4
32.5°	534.4	440.6	347.5	253.6	240.7	227.9	215.0	202.1	196.1	190.0	183.2
35°	446.6	371.7	296.0	220.3	211.2	201.4	192.3	182.4	176.4	169.6	163.5
37.5°	370.2	315.7	260.4	205.1	195.3	185.5	174.9	165.0	160.5	155.9	151.4
40°	305.1	273.3	241.5	209.7	195.3	180.9	166.5	152.2	148.4	144.6	140.8
42.5°	252.1	231.6	210.4	190.0	179.4	169.6	159.0	148.4	143.1	137.0	131.7
45°	203.6	192.3	181.7	170.3	171.1	171.8	171.8	172.6	159.0	144.6	131.0
47.5°	165.0	159.7	153.7	148.4	154.4	160.5	165.8	171.8	157.5	143.1	127.9
50°	141.6	137.8	133.2	128.7	134.7	141.6	147.6	153.7	147.6	142.3	136.3
52.5°	129.4	124.1	118.8	113.6	115.8	118.8	121.1	123.4	123.4	123.4	123.4
55°	121.9	116.6	110.5	104.5	102.2	99.2	96.9	93.9	90.1	87.1	83.3
57.5°	115.8	109.8	103.0	96.9	93.1	88.6	84.8	80.2	76.5	71.9	68.1
60°	109.8	103.7	96.9	90.8	87.1	83.3	78.7	74.9	70.4	66.6	62.1
62.5°	101.4	96.1	90.8	85.5	81.8	78.7	74.9	71.2	66.6	62.1	56.8
65°	92.4	88.6	84.0	79.5	75.7	71.9	68.1	64.3	59.8	56.0	51.5
67.5°	84.0	80.2	77.2	73.4	68.9	65.1	60.6	56.0	53.0	50.0	46.2
70°	77.2	74.2	71.9	68.9	64.3	60.6	56.0	51.5	49.2	46.2	43.9
72.5°	70.4	68.1	65.1	62.8	59.0	55.3	51.5	47.7	45.4	43.1	40.9
75°	60.6	59.0	57.5	56.0	52.2	48.4	43.9	40.1	39.4	38.6	37.9
77.5°	54.5	53.7	52.2	50.7	46.9	43.1	39.4	35.6	36.3	37.1	37.1
80°	44.7	44.7	43.9	43.9	40.9	37.9	34.1	31.0	32.6	34.8	36.3
82.5°	34.1	34.1	34.1	34.1	31.0	28.0	25.0	22.0	24.2	25.7	28.0
85°	23.5	22.7	22.0	21.2	18.9	17.4	15.1	12.9	15.9	18.2	21.2
87.5°	14.4	15.1	15.1	15.1	13.6	11.4	9.8	7.6	9.1	9.8	11.4
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: P367997
 CATALOG NUMBER: MSA-SA3C-750-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: P367997

CATALOG NUMBER: MSA-SA3C-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3
2.5°	1756.2	1733.5	1710.8	1687.4	1664.6	1611.7	1558.7	1505.7	1452.7	1492.1	1530.7
5°	1832.7	1788.8	1744.1	1700.2	1655.6	1635.9	1617.0	1597.3	1577.6	1580.6	1584.4
7.5°	1369.4	1340.7	1311.9	1282.4	1253.6	1247.5	1242.2	1236.2	1230.1	1243.0	1255.1
10°	1155.2	1115.1	1074.2	1034.1	993.2	971.2	949.3	927.3	905.4	903.1	900.1
12.5°	1089.3	1028.0	967.4	906.1	844.8	797.1	749.4	701.7	654.0	657.8	661.6
15°	836.5	775.2	714.6	653.3	592.0	553.4	514.0	475.4	436.0	424.7	413.3
17.5°	525.4	479.9	434.5	388.3	342.9	330.1	317.9	305.1	292.2	288.4	284.6
20°	327.8	308.1	288.4	268.0	248.3	245.3	242.2	239.2	236.2	238.5	240.7
22.5°	255.1	246.8	237.7	229.4	220.3	217.3	214.2	211.2	208.2	210.4	212.0
25°	227.1	221.0	215.0	208.9	202.9	199.8	196.1	193.0	189.3	190.8	193.0
27.5°	211.2	205.9	200.6	195.3	190.0	184.7	180.2	174.9	169.6	172.6	174.9
30°	196.8	190.8	185.5	179.4	173.4	168.1	162.8	156.7	151.4	154.4	157.5
32.5°	177.1	171.8	165.8	160.5	154.4	151.4	148.4	144.6	141.6	143.8	145.3
35°	156.7	152.2	148.4	143.8	139.3	136.3	134.0	131.0	127.9	128.7	130.2
37.5°	146.9	141.6	136.3	131.0	125.7	124.1	122.6	120.4	118.8	118.8	118.8
40°	137.0	131.7	126.4	120.4	115.1	112.8	110.5	108.3	106.0	106.0	106.0
42.5°	125.7	120.4	115.1	109.8	104.5	102.2	99.2	96.9	93.9	93.9	93.9
45°	116.6	111.3	106.7	101.4	96.1	92.4	88.6	84.0	80.2	79.5	78.7
47.5°	113.6	106.0	98.4	90.8	83.3	79.5	75.7	71.2	67.4	66.6	65.9
50°	130.2	115.1	99.9	84.8	69.6	66.6	63.6	60.6	57.5	56.0	55.3
52.5°	123.4	107.5	91.6	75.7	59.8	57.5	55.3	53.0	50.7	49.2	47.7
55°	79.5	72.7	66.6	59.8	53.0	51.5	50.0	47.7	46.2	44.7	43.1
57.5°	63.6	59.8	56.8	53.0	49.2	47.7	46.2	43.9	42.4	40.1	38.6
60°	57.5	54.5	51.5	48.4	45.4	43.9	42.4	40.9	39.4	37.1	35.6
62.5°	52.2	50.0	47.7	45.4	43.1	41.6	40.1	38.6	37.1	34.8	32.6
65°	46.9	45.4	43.9	42.4	40.9	39.4	37.9	35.6	34.1	31.8	29.5
67.5°	43.1	42.4	41.6	40.9	40.1	38.6	36.3	34.8	32.6	30.3	27.3
70°	40.9	40.9	40.9	40.1	40.1	38.6	36.3	34.8	32.6	29.5	27.3
72.5°	38.6	39.4	40.1	40.1	40.9	38.6	36.3	34.1	31.8	28.8	26.5
75°	37.1	37.9	38.6	38.6	39.4	37.9	36.3	34.1	32.6	29.5	26.5
77.5°	37.9	38.6	38.6	39.4	39.4	37.9	36.3	34.1	32.6	28.8	25.0
80°	37.9	37.1	36.3	34.8	34.1	31.0	28.0	24.2	21.2	16.7	12.9
82.5°	29.5	28.0	27.3	25.7	24.2	21.2	18.2	15.1	12.1	9.1	6.1
85°	23.5	22.0	21.2	19.7	18.2	15.9	12.9	10.6	7.6	6.1	3.8
87.5°	12.1	11.4	9.8	9.1	7.6	6.1	3.8	2.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367997

CATALOG NUMBER: MSA-SA3C-750-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: P367997

CATALOG NUMBER: MSA-SA3C-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3
2.5°	1570.0	1608.6	1603.3	1598.0	1623.0	1648.0	1629.8	1612.4	1594.2	1576.1	1538.2
5°	1587.4	1590.5	1585.2	1579.1	1579.9	1580.6	1568.5	1556.4	1544.3	1532.2	1529.9
7.5°	1268.0	1280.1	1296.7	1312.6	1313.4	1313.4	1304.3	1295.2	1285.4	1276.3	1280.8
10°	897.8	894.8	899.3	903.9	903.1	901.6	925.8	950.0	973.5	997.7	980.3
12.5°	664.6	668.4	649.5	630.6	637.4	643.5	647.2	651.0	654.8	658.6	669.2
15°	402.0	390.6	377.0	363.4	370.2	376.2	383.0	389.1	395.9	402.0	408.8
17.5°	280.1	276.3	270.2	263.4	264.2	265.0	265.7	266.5	266.5	267.2	268.7
20°	243.0	245.3	240.7	235.4	233.9	231.6	230.1	228.6	226.3	224.8	222.6
22.5°	214.2	215.7	216.5	216.5	213.5	209.7	206.7	204.4	201.4	198.3	196.8
25°	194.5	196.1	194.5	192.3	190.8	189.3	187.7	185.5	184.0	181.7	180.9
27.5°	177.9	180.2	180.2	179.4	177.9	175.6	171.8	168.8	165.0	161.2	162.0
30°	160.5	163.5	163.5	162.8	162.0	161.2	157.5	153.7	149.9	146.1	147.6
32.5°	147.6	149.1	148.4	147.6	147.6	146.9	143.8	141.6	138.5	135.5	135.5
35°	131.0	131.7	131.7	131.7	131.7	131.0	128.7	126.4	124.1	121.9	122.6
37.5°	118.8	118.8	121.1	122.6	121.1	119.6	118.1	115.8	114.3	112.0	112.0
40°	105.2	105.2	107.5	109.0	107.5	106.0	105.2	103.7	103.0	101.4	101.4
42.5°	93.1	93.1	95.4	96.9	96.9	96.1	94.6	93.1	91.6	90.1	90.8
45°	78.0	77.2	81.0	84.0	82.5	81.0	81.0	80.2	80.2	79.5	80.2
47.5°	64.3	63.6	66.6	69.6	68.9	67.4	67.4	67.4	67.4	67.4	68.1
50°	53.7	52.2	55.3	57.5	56.8	55.3	55.3	56.0	56.0	56.0	56.8
52.5°	46.2	44.7	46.9	48.4	47.7	46.9	46.9	47.7	47.7	47.7	48.4
55°	40.9	39.4	41.6	43.1	42.4	40.9	41.6	41.6	42.4	42.4	42.4
57.5°	36.3	34.1	35.6	37.1	37.1	36.3	37.1	37.1	37.9	37.9	37.9
60°	33.3	31.0	32.6	33.3	33.3	32.6	33.3	33.3	34.1	34.1	34.1
62.5°	29.5	27.3	28.8	29.5	29.5	28.8	29.5	29.5	30.3	30.3	30.3
65°	26.5	24.2	25.0	25.7	25.7	25.7	26.5	26.5	27.3	27.3	27.3
67.5°	25.0	22.0	22.7	23.5	23.5	23.5	24.2	24.2	25.0	25.0	25.7
70°	24.2	21.2	22.0	22.0	22.7	22.7	22.7	23.5	23.5	23.5	23.5
72.5°	23.5	20.4	20.4	20.4	21.2	21.2	21.2	22.0	22.0	22.0	22.0
75°	23.5	20.4	19.7	18.9	19.7	19.7	19.7	20.4	20.4	20.4	20.4
77.5°	20.4	16.7	15.1	12.9	15.1	16.7	17.4	17.4	18.2	18.2	18.2
80°	8.3	3.8	2.3	0.0	0.8	1.5	2.3	3.0	3.8	4.5	5.3
82.5°	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367997

CATALOG NUMBER: MSA-SA3C-750-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: P367997

CATALOG NUMBER: MSA-SA3C-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3
2.5°	1500.4	1462.5	1424.7	1442.8	1461.0	1479.2	1497.3	1495.8	1493.6	1492.1	1489.8
5°	1528.4	1526.1	1523.8	1513.2	1503.4	1492.8	1482.2	1479.9	1476.9	1474.6	1471.6
7.5°	1285.4	1289.2	1293.7	1281.6	1269.5	1257.4	1245.3	1214.2	1183.2	1151.4	1120.4
10°	962.9	944.7	927.3	925.8	924.3	922.8	921.3	918.2	915.2	911.4	908.4
12.5°	680.5	691.1	701.7	698.0	694.2	689.6	685.8	691.1	697.2	702.5	707.8
15°	414.8	421.7	427.7	441.3	455.0	468.6	482.2	487.5	493.6	498.9	504.2
17.5°	270.2	271.0	272.5	287.7	302.0	317.2	331.6	341.4	351.2	360.3	370.2
20°	220.3	218.0	215.7	224.1	232.4	240.7	249.1	258.1	267.2	276.3	285.4
22.5°	196.1	194.5	193.0	196.1	199.1	201.4	204.4	211.2	218.8	225.6	232.4
25°	180.2	178.7	177.9	179.4	180.9	182.4	184.0	187.7	191.5	195.3	199.1
27.5°	162.0	162.8	162.8	164.3	165.0	166.5	167.3	168.8	171.1	172.6	174.1
30°	148.4	149.9	150.6	152.2	152.9	154.4	155.2	154.4	153.7	152.9	152.2
32.5°	135.5	134.7	134.7	136.3	137.0	138.5	139.3	140.8	142.3	143.1	144.6
35°	122.6	123.4	123.4	123.4	124.1	124.1	124.1	125.7	127.9	129.4	131.0
37.5°	111.3	111.3	110.5	112.8	114.3	116.6	118.1	119.6	121.9	123.4	124.9
40°	101.4	101.4	101.4	103.0	104.5	105.2	106.7	110.5	114.3	118.1	121.9
42.5°	90.8	91.6	91.6	93.1	94.6	95.4	96.9	99.9	102.2	105.2	107.5
45°	81.0	81.8	82.5	84.0	84.8	86.3	87.1	88.6	89.3	90.8	91.6
47.5°	69.6	70.4	71.2	72.7	73.4	74.9	75.7	74.9	74.9	74.2	73.4
50°	58.3	59.0	59.8	62.1	63.6	65.9	67.4	65.9	64.3	62.1	60.6
52.5°	49.2	49.2	50.0	51.5	53.0	53.7	55.3	54.5	53.7	53.0	52.2
55°	42.4	42.4	42.4	43.1	43.9	44.7	45.4	46.2	46.2	46.9	46.9
57.5°	37.9	37.1	37.1	37.9	38.6	38.6	39.4	40.1	40.1	40.9	40.9
60°	34.1	33.3	33.3	34.1	34.8	35.6	36.3	36.3	36.3	35.6	35.6
62.5°	30.3	30.3	30.3	31.0	31.0	31.8	31.8	31.8	32.6	32.6	32.6
65°	28.0	28.0	28.0	28.0	28.0	27.3	27.3	28.0	28.0	28.8	28.8
67.5°	25.7	26.5	26.5	25.7	25.0	24.2	23.5	24.2	24.2	25.0	25.0
70°	23.5	23.5	23.5	22.7	22.0	21.2	20.4	20.4	20.4	19.7	19.7
72.5°	22.0	21.2	21.2	20.4	18.9	18.2	16.7	15.9	15.9	15.1	14.4
75°	20.4	19.7	19.7	18.2	16.7	15.1	13.6	12.9	11.4	10.6	9.1
77.5°	18.2	18.2	18.2	15.9	14.4	12.1	9.8	8.3	6.8	4.5	3.0
80°	6.1	6.8	7.6	6.8	6.8	6.1	5.3	3.8	3.0	1.5	0.0
82.5°	0.8	0.8	0.8	0.8	0.8	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: P367997

CATALOG NUMBER: MSA-SA3C-750-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: P367997

CATALOG NUMBER: MSA-SA3C-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3
2.5°	1498.1	1506.4	1514.8	1523.1	1523.8	1524.6	1525.4	1526.1	1507.2	1487.5	1468.6
5°	1486.8	1502.6	1517.8	1532.9	1524.6	1516.3	1507.9	1499.6	1498.9	1498.9	1498.1
7.5°	1122.6	1124.1	1126.4	1127.9	1131.0	1134.0	1136.3	1139.3	1151.4	1163.5	1174.9
10°	898.6	888.7	878.1	868.3	860.7	852.4	844.8	836.5	842.5	849.4	855.4
12.5°	699.5	691.1	682.1	673.7	670.7	667.7	663.9	660.9	680.5	700.2	719.2
15°	502.6	501.1	498.9	497.4	507.2	517.0	526.9	536.7	553.4	569.3	585.9
17.5°	374.0	377.7	381.5	385.3	391.4	397.4	402.7	408.8	420.9	433.8	445.9
20°	289.9	295.2	299.8	304.3	302.8	301.3	299.0	297.5	307.3	317.2	326.3
22.5°	236.9	240.7	245.3	249.1	249.8	250.6	251.3	252.1	258.1	263.4	269.5
25°	202.9	207.4	211.2	215.0	215.7	216.5	217.3	218.0	225.6	233.2	240.0
27.5°	179.4	184.0	189.3	193.8	195.3	196.8	198.3	199.8	204.4	208.2	212.7
30°	158.2	164.3	170.3	176.4	178.7	180.9	183.2	185.5	190.0	195.3	199.8
32.5°	147.6	151.4	154.4	157.5	162.8	167.3	172.6	177.1	182.4	188.5	193.8
35°	135.5	139.3	143.8	147.6	151.4	155.2	158.2	162.0	165.0	168.1	170.3
37.5°	127.9	131.7	134.7	137.8	139.3	140.8	141.6	143.1	144.6	146.1	146.9
40°	121.9	121.1	121.1	120.4	121.9	124.1	125.7	127.2	131.7	135.5	140.0
42.5°	106.0	103.7	102.2	99.9	103.7	106.7	110.5	113.6	119.6	125.7	131.7
45°	90.1	88.6	86.3	84.8	90.1	95.4	100.7	106.0	112.8	118.8	125.7
47.5°	74.2	74.9	74.9	75.7	81.0	86.3	90.8	96.1	103.0	109.8	116.6
50°	62.1	63.6	65.1	66.6	71.9	76.5	81.8	86.3	93.9	100.7	108.3
52.5°	54.5	56.8	58.3	60.6	65.1	70.4	74.9	79.5	86.3	93.1	99.9
55°	49.2	52.2	54.5	56.8	60.6	64.3	68.1	71.9	78.7	85.5	91.6
57.5°	43.1	45.4	47.7	50.0	53.7	57.5	60.6	64.3	70.4	77.2	83.3
60°	37.9	39.4	41.6	43.1	46.2	50.0	53.0	56.0	62.1	68.1	73.4
62.5°	33.3	34.8	35.6	36.3	39.4	42.4	45.4	48.4	53.7	59.8	65.1
65°	29.5	30.3	30.3	31.0	33.3	36.3	38.6	40.9	46.9	52.2	58.3
67.5°	25.0	25.7	25.7	25.7	28.0	30.3	32.6	34.8	40.1	46.2	51.5
70°	19.7	20.4	20.4	20.4	22.7	25.7	28.0	30.3	34.8	39.4	43.9
72.5°	15.1	15.1	15.9	15.9	18.2	21.2	23.5	25.7	29.5	33.3	37.1
75°	9.8	10.6	10.6	11.4	13.6	16.7	18.9	21.2	25.0	28.8	31.8
77.5°	3.8	5.3	6.1	6.8	9.1	11.4	13.6	15.9	18.9	22.7	25.7
80°	0.0	0.8	0.8	0.8	2.3	3.0	4.5	5.3	7.6	10.6	12.9
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: P367997
 CATALOG NUMBER: MSA-SA3C-750-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: P367997

CATALOG NUMBER: MSA-SA3C-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3
2.5°	1448.9	1490.5	1532.2	1573.8	1615.4	1666.9	1718.4	1726.0	1733.5	1724.5	1716.1
5°	1497.3	1517.8	1537.5	1557.9	1577.6	1636.6	1694.9	1695.7	1695.7	1696.4	1696.4
7.5°	1187.0	1204.4	1221.8	1238.5	1255.9	1294.5	1333.1	1347.5	1361.1	1358.1	1355.0
10°	861.5	884.2	906.1	928.8	950.8	986.4	1022.0	1035.6	1048.4	1090.1	1132.5
12.5°	738.8	760.8	782.7	803.9	825.9	862.2	898.6	925.1	950.8	976.5	1002.3
15°	601.8	619.2	637.4	654.8	672.2	688.9	705.5	738.1	769.9	795.6	821.3
17.5°	458.0	465.6	472.4	479.9	486.8	494.3	501.9	515.5	528.4	551.1	573.1
20°	336.1	342.2	348.2	353.5	359.6	367.1	374.7	384.6	393.6	398.9	403.5
22.5°	274.8	283.9	293.0	301.3	310.4	315.7	321.0	324.0	327.0	329.3	331.6
25°	247.5	255.9	263.4	271.8	279.3	281.6	283.9	289.9	296.0	296.0	296.0
27.5°	216.5	227.9	240.0	251.3	262.7	265.7	268.0	270.2	271.8	268.7	265.0
30°	204.4	215.7	227.1	237.7	249.1	253.6	257.4	259.7	261.9	258.1	254.4
32.5°	199.1	209.7	219.5	230.1	240.0	246.0	251.3	257.4	262.7	263.4	265.0
35°	173.4	180.2	187.7	194.5	201.4	204.4	207.4	209.7	211.2	211.2	211.2
37.5°	148.4	157.5	167.3	176.4	185.5	192.3	199.1	199.8	199.8	201.4	203.6
40°	143.8	152.9	162.0	170.3	179.4	187.0	193.8	194.5	195.3	196.8	198.3
42.5°	137.8	147.6	157.5	167.3	177.1	184.7	191.5	191.5	190.8	193.0	194.5
45°	131.7	141.6	150.6	160.5	169.6	179.4	188.5	186.2	183.2	187.0	190.0
47.5°	123.4	134.0	144.6	154.4	165.0	174.1	182.4	180.9	178.7	182.4	186.2
50°	115.1	125.7	136.3	146.9	157.5	167.3	176.4	174.9	173.4	177.9	181.7
52.5°	106.7	117.3	128.7	139.3	149.9	158.2	165.8	165.0	164.3	168.8	174.1
55°	98.4	108.3	118.8	128.7	138.5	147.6	155.9	154.4	152.9	156.7	160.5
57.5°	89.3	99.2	108.3	118.1	127.2	134.7	141.6	139.3	137.0	141.6	146.1
60°	79.5	88.6	97.7	106.0	115.1	121.1	126.4	124.9	122.6	127.2	131.7
62.5°	70.4	78.7	87.1	94.6	103.0	107.5	112.0	110.5	109.0	113.6	118.8
65°	63.6	70.4	76.5	83.3	89.3	93.9	98.4	96.1	93.9	99.2	103.7
67.5°	56.8	62.1	68.1	73.4	78.7	82.5	86.3	84.8	82.5	86.3	90.1
70°	48.4	53.7	59.0	63.6	68.9	72.7	76.5	74.2	71.2	74.9	78.7
72.5°	40.9	45.4	50.0	53.7	58.3	61.3	64.3	62.1	59.8	62.8	65.9
75°	35.6	39.4	43.1	46.2	50.0	51.5	53.0	52.2	50.7	53.7	56.0
77.5°	28.8	31.8	35.6	38.6	41.6	41.6	41.6	42.4	42.4	45.4	49.2
80°	15.1	18.2	21.2	23.5	26.5	26.5	25.7	27.3	28.0	31.8	35.6
82.5°	0.0	2.3	4.5	6.8	9.1	8.3	6.8	7.6	7.6	9.1	10.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P367997

CATALOG NUMBER: MSA-SA3C-750-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: P367997

CATALOG NUMBER: MSA-SA3C-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3
2.5°	1707.0	1698.0	1691.9	1686.6	1680.5	1674.5	1682.1	1689.6	1696.4	1704.0	1726.7
5°	1697.2	1697.2	1691.9	1686.6	1681.3	1676.0	1687.4	1698.0	1709.3	1719.9	1719.2
7.5°	1351.2	1348.2	1380.0	1411.1	1442.8	1473.9	1482.2	1490.5	1498.1	1506.4	1504.2
10°	1174.1	1215.7	1229.4	1243.0	1256.6	1270.2	1286.9	1303.6	1320.2	1336.9	1342.9
12.5°	1028.0	1053.7	1097.7	1140.8	1184.7	1227.9	1249.8	1272.5	1294.5	1316.4	1359.6
15°	847.1	872.8	910.7	948.5	986.4	1024.2	1059.0	1094.6	1129.4	1164.3	1216.5
17.5°	595.8	617.7	646.5	675.2	703.3	732.0	785.8	839.5	893.3	947.0	1002.3
20°	408.8	413.3	426.9	441.3	455.0	468.6	517.0	566.2	614.7	663.1	735.8
22.5°	333.1	335.4	342.2	349.0	355.0	361.8	386.8	412.6	437.5	462.5	521.6
25°	295.2	295.2	299.8	304.3	308.9	313.4	327.0	340.7	353.5	367.1	405.0
27.5°	261.9	258.1	265.0	271.8	278.6	285.4	295.2	305.8	315.7	325.5	351.2
30°	250.6	246.8	255.1	263.4	271.8	280.1	289.9	299.8	308.9	318.7	336.1
32.5°	265.7	266.5	269.5	272.5	274.8	277.8	282.4	287.7	292.2	296.7	311.9
35°	211.2	211.2	216.5	221.8	226.3	231.6	240.0	248.3	256.6	265.0	280.8
37.5°	205.1	206.7	211.2	216.5	221.0	225.6	236.2	247.5	258.1	268.7	281.6
40°	199.1	200.6	206.7	212.7	218.8	224.8	235.4	245.3	255.9	265.7	277.8
42.5°	196.8	198.3	205.9	214.2	221.8	229.4	238.5	247.5	255.9	265.0	281.6
45°	193.8	196.8	205.9	215.7	224.8	233.9	242.2	250.6	258.9	267.2	287.7
47.5°	189.3	193.0	203.6	213.5	224.1	233.9	249.8	266.5	282.4	298.3	308.1
50°	186.2	190.0	201.4	212.7	224.1	235.4	261.2	286.9	311.9	337.6	332.3
52.5°	178.7	183.2	197.6	212.0	226.3	240.7	263.4	286.1	308.9	331.6	321.0
55°	164.3	168.1	184.7	201.4	217.3	233.9	250.6	267.2	283.1	299.8	287.7
57.5°	149.9	154.4	170.3	186.2	201.4	217.3	225.6	233.9	242.2	250.6	246.0
60°	136.3	140.8	162.0	183.2	204.4	225.6	218.0	210.4	202.1	194.5	199.8
62.5°	123.4	127.9	148.4	168.1	188.5	208.2	197.6	187.0	176.4	165.8	174.1
65°	109.0	113.6	121.1	129.4	137.0	144.6	143.8	142.3	141.6	140.0	149.1
67.5°	93.9	97.7	101.4	106.0	109.8	113.6	115.8	118.8	121.1	123.4	131.0
70°	81.8	85.5	90.1	93.9	98.4	102.2	103.7	105.2	106.0	107.5	114.3
72.5°	68.1	71.2	77.2	83.3	88.6	94.6	95.4	95.4	96.1	96.1	101.4
75°	59.0	61.3	65.9	70.4	74.2	78.7	81.0	83.3	84.8	87.1	90.1
77.5°	52.2	55.3	56.8	57.5	59.0	59.8	61.3	62.8	64.3	65.9	66.6
80°	38.6	42.4	43.9	44.7	46.2	46.9	46.9	46.2	46.2	45.4	46.2
82.5°	12.1	13.6	15.9	18.2	20.4	22.7	23.5	24.2	24.2	25.0	24.2
85°	2.3	3.0	4.5	6.1	6.8	8.3	7.6	6.1	5.3	3.8	3.0
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: P367997

CATALOG NUMBER: MSA-SA3C-750-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: P367997

CATALOG NUMBER: MSA-SA3C-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3
2.5°	1749.4	1771.4	1794.1	1785.0	1775.9	1766.8	1757.8	1759.3	1761.5	1763.1	1764.6
5°	1718.4	1716.9	1716.1	1741.9	1768.4	1794.1	1819.8	1847.8	1876.6	1904.6	1932.6
7.5°	1501.9	1498.9	1496.6	1529.9	1563.2	1596.5	1629.8	1668.4	1707.8	1746.4	1785.0
10°	1349.0	1355.0	1361.1	1374.7	1389.1	1402.7	1416.4	1453.4	1490.5	1526.9	1564.0
12.5°	1402.7	1445.1	1488.3	1496.6	1504.2	1512.5	1520.1	1525.4	1530.7	1536.0	1541.3
15°	1269.5	1321.7	1374.0	1395.9	1417.1	1439.1	1460.3	1516.3	1571.5	1627.6	1682.8
17.5°	1057.5	1112.0	1167.3	1233.2	1299.0	1364.9	1430.7	1491.3	1551.9	1612.4	1673.0
20°	809.2	881.9	954.6	1037.8	1121.9	1205.1	1288.4	1349.0	1408.8	1469.3	1529.1
22.5°	581.4	640.4	699.5	800.2	900.1	1000.8	1100.7	1205.9	1311.9	1417.1	1522.3
25°	442.8	479.9	517.8	617.0	716.1	814.5	913.7	1058.3	1202.9	1347.5	1492.1
27.5°	376.2	402.0	426.9	516.3	605.6	694.2	783.5	955.3	1127.2	1299.0	1470.9
30°	354.3	371.7	389.1	464.8	541.3	617.0	692.7	866.8	1040.9	1215.0	1389.1
32.5°	327.0	341.4	356.5	423.2	489.8	555.6	622.3	792.6	962.9	1132.5	1302.8
35°	296.0	311.9	327.0	393.6	460.3	526.1	592.7	769.1	945.5	1121.9	1298.3
37.5°	293.7	306.6	318.7	395.9	473.9	551.1	628.3	804.7	981.1	1156.7	1333.1
40°	290.7	302.8	314.9	393.6	471.6	550.3	628.3	813.0	997.7	1182.4	1367.1
42.5°	298.3	314.2	330.8	400.5	470.1	539.0	608.6	803.2	997.7	1191.5	1386.1
45°	308.9	329.3	349.7	413.3	476.9	540.5	604.1	815.3	1026.5	1236.9	1448.1
47.5°	318.7	328.5	338.4	398.9	458.7	519.3	579.1	794.9	1010.6	1226.3	1442.1
50°	327.8	322.5	317.2	383.8	450.4	516.3	582.9	788.8	993.9	1199.8	1405.0
52.5°	309.6	299.0	287.7	358.8	430.0	500.4	571.5	779.0	986.4	1193.8	1401.2
55°	275.5	263.4	251.3	321.7	391.4	461.8	531.4	738.1	944.7	1151.4	1358.1
57.5°	240.7	236.2	230.9	284.6	338.4	391.4	445.1	674.5	904.6	1134.0	1363.4
60°	205.1	209.7	215.0	253.6	292.2	330.1	368.7	593.5	817.6	1042.4	1266.5
62.5°	181.7	190.0	197.6	230.1	263.4	296.0	328.5	540.5	752.5	964.4	1176.4
65°	159.0	168.1	177.1	215.7	255.1	293.7	332.3	511.7	691.1	870.6	1050.0
67.5°	138.5	145.3	152.9	203.6	254.4	305.1	355.8	502.6	648.8	795.6	941.7
70°	121.1	127.2	134.0	193.0	252.1	311.1	370.2	495.1	620.7	745.6	870.6
72.5°	106.7	112.0	117.3	177.1	236.9	296.7	356.5	467.8	578.3	689.6	800.2
75°	93.1	95.4	98.4	149.1	199.1	249.8	299.8	374.0	448.9	523.1	597.3
77.5°	67.4	67.4	68.1	83.3	97.7	112.8	127.2	173.4	219.5	265.0	311.1
80°	46.2	46.9	46.9	53.0	58.3	64.3	69.6	79.5	88.6	98.4	107.5
82.5°	23.5	22.0	21.2	27.3	33.3	39.4	45.4	47.7	49.2	51.5	53.0
85°	2.3	0.8	0.0	3.8	7.6	11.4	15.1	18.2	21.2	24.2	27.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P367997

CATALOG NUMBER: MSA-SA3C-750-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: P367997

CATALOG NUMBER: MSA-SA3C-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3
2.5°	1758.5	1752.5	1746.4	1740.3	1777.4	1815.3	1852.4	1889.5	1994.7	2063.6	2056.0
5°	1959.9	1987.1	2014.4	2041.6	2085.5	2130.2	2174.1	2218.0	2374.0	2469.3	2483.0
7.5°	1827.4	1869.0	1911.4	1953.1	2037.8	2121.9	2206.7	2290.7	2418.6	2517.8	2573.8
10°	1611.7	1659.3	1706.3	1754.0	1849.4	1945.5	2040.9	2136.3	2280.1	2417.1	2487.5
12.5°	1616.2	1691.1	1766.1	1841.0	1924.3	2007.6	2090.1	2173.4	2261.2	2307.3	2406.5
15°	1741.9	1800.9	1860.0	1919.0	2028.0	2137.0	2245.3	2354.3	2406.5	2517.8	2633.6
17.5°	1788.0	1903.9	2018.9	2134.0	2270.2	2405.8	2542.0	2677.5	2775.9	2930.4	3050.0
20°	1702.5	1875.9	2048.4	2221.8	2408.8	2595.8	2782.7	2969.7	3077.2	3224.1	3408.8
22.5°	1706.3	1890.2	2073.4	2257.4	2515.5	2772.9	3031.0	3288.4	3576.8	3860.0	3950.0
25°	1732.8	1973.5	2213.5	2454.2	2752.5	3050.7	3349.0	3647.2	3995.5	4293.0	4412.6
27.5°	1741.9	2012.9	2283.1	2554.1	2978.0	3402.0	3825.9	4249.8	4665.4	5001.5	5129.4
30°	1719.9	2051.5	2382.3	2713.1	3233.2	3753.2	4273.3	4793.3	5187.7	5579.1	5738.1
32.5°	1725.2	2147.6	2570.0	2992.4	3604.8	4218.0	4830.4	5442.8	5694.9	6047.7	6327.8
35°	1761.5	2224.8	2687.4	3150.6	3828.2	4505.7	5183.2	5860.7	6274.0	6646.5	6884.2
37.5°	1846.3	2359.6	2872.1	3385.3	4218.0	5051.5	5884.2	6716.9	7356.5	7996.2	8105.2
40°	1909.2	2451.2	2993.2	3535.2	4501.9	5468.6	6435.3	7402.0	8125.7	8819.8	8894.0
42.5°	1980.3	2573.8	3168.1	3761.5	4842.5	5923.5	7004.5	8085.5	8923.5	9631.3	9680.5
45°	2058.3	2669.2	3279.3	3889.5	5022.0	6153.7	7286.1	8417.9	9396.7	10218.8	10033.3
47.5°	2095.4	2748.7	3402.0	4055.3	5269.5	6483.0	7697.2	8910.7	9788.8	10514.0	10297.5
50°	2124.1	2842.5	3561.7	4280.1	5553.4	6826.6	8099.9	9373.2	10253.6	10922.8	10583.6
52.5°	2205.1	3008.3	3812.3	4615.4	5969.7	7323.2	8677.5	10031.0	10882.7	11497.3	11021.9
55°	2283.9	3208.9	4134.7	5059.8	6516.3	7973.5	9430.0	10886.4	11734.3	12261.2	11615.4
57.5°	2383.0	3403.5	4423.2	5442.8	7000.8	8558.7	10115.8	11673.7	12502.6	13084.8	12414.1
60°	2357.3	3447.4	4538.2	5628.3	7215.0	8801.7	10388.3	11975.0	12959.9	13675.2	13220.3
62.5°	2257.4	3338.4	4418.6	5499.6	7058.3	8616.2	10174.9	11732.8	12912.9	13881.9	13729.0
65°	2055.3	3059.8	4065.1	5069.6	6557.9	8046.9	9535.2	11023.5	12479.9	13713.1	13767.6
67.5°	1789.6	2637.4	3484.5	4332.3	5720.7	7109.0	8496.6	9884.9	11604.1	13042.4	13204.4
70°	1507.9	2144.6	2782.0	3418.6	4640.4	5862.2	7083.3	8305.1	10092.4	11539.7	11845.6
72.5°	1208.9	1618.5	2027.3	2436.0	3317.9	4199.1	5081.0	5962.1	7534.4	8657.8	9191.5
75°	783.5	969.7	1155.9	1342.2	1929.6	2516.3	3103.7	3690.4	4734.3	5561.7	6165.0
77.5°	349.0	386.8	423.9	461.8	915.2	1368.7	1822.1	2275.5	2729.0	3228.6	3370.2
80°	124.9	141.6	159.0	175.6	398.2	621.5	844.1	1066.6	1286.1	1544.3	1607.1
82.5°	52.2	52.2	51.5	50.7	130.2	209.7	289.2	368.7	426.2	489.8	501.9
85°	21.2	15.9	9.8	3.8	16.7	30.3	43.1	56.0	90.1	81.8	151.4
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: P367997

CATALOG NUMBER: MSA-SA3C-750-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: P367997

CATALOG NUMBER: MSA-SA3C-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3
2.5°	2027.3	2025.7	2024.2	2022.7	2021.2	1993.9	1967.4	1940.2	1913.7	1947.0	1980.3
5°	2461.0	2500.4	2539.7	2579.9	2619.2	2630.6	2641.9	2653.3	2664.6	2688.9	2713.1
7.5°	2620.7	2687.4	2753.2	2819.8	2885.7	2947.0	3007.6	3068.9	3130.2	3115.1	3099.9
10°	2565.5	2685.8	2806.2	2927.3	3047.7	3074.2	3100.7	3127.9	3154.4	3223.3	3292.2
12.5°	2505.7	2650.3	2794.9	2939.4	3084.0	3164.3	3243.8	3324.0	3404.2	3473.9	3543.5
15°	2789.6	2881.9	2974.3	3067.4	3159.7	3230.1	3299.8	3370.2	3439.8	3488.3	3536.0
17.5°	3162.8	3208.2	3253.6	3299.8	3345.2	3400.5	3455.7	3511.0	3566.2	3595.0	3623.8
20°	3557.2	3576.8	3596.5	3616.2	3635.9	3592.0	3548.1	3504.2	3460.3	3487.5	3514.0
22.5°	3953.1	3959.9	3967.4	3974.3	3981.1	3878.9	3776.7	3674.5	3572.3	3529.1	3486.0
25°	4562.5	4512.5	4462.5	4412.6	4362.6	4241.5	4120.4	3999.2	3878.1	3771.4	3664.6
27.5°	5222.6	5053.0	4884.2	4714.6	4545.8	4424.7	4303.6	4182.4	4061.3	3900.8	3740.3
30°	5888.0	5614.7	5342.2	5068.9	4796.4	4652.5	4508.7	4364.1	4220.3	4059.8	3900.1
32.5°	6498.1	6169.6	5841.0	5511.7	5183.2	4941.0	4698.7	4456.5	4214.2	4102.2	3990.2
35°	7003.8	6615.4	6227.1	5838.0	5449.7	5209.7	4969.7	4729.7	4489.8	4323.2	4157.5
37.5°	7868.3	7431.5	6994.7	6557.9	6121.1	5793.3	5466.3	5138.5	4810.7	4699.5	4588.2
40°	8665.4	8115.1	7564.7	7014.4	6464.0	6189.2	5915.2	5640.4	5366.4	5183.9	5002.3
42.5°	9299.0	8719.1	8140.0	7560.2	6980.3	6708.6	6437.5	6165.8	5894.0	5772.1	5651.0
45°	9436.0	8889.5	8343.7	7797.1	7250.6	7092.4	6934.9	6776.7	6619.2	6535.2	6451.9
47.5°	9706.3	9113.5	8521.6	7928.8	7336.1	7264.9	7193.8	7121.9	7050.7	7090.8	7131.0
50°	9857.7	9252.8	8648.0	8043.1	7438.3	7458.7	7478.4	7498.9	7519.3	7803.9	8087.8
52.5°	10151.4	9540.5	8929.6	8318.7	7707.8	7836.5	7964.4	8093.1	8221.0	8613.2	9004.5
55°	10676.0	10075.7	9475.4	8874.3	8274.0	8443.6	8613.2	8783.5	8953.1	9369.4	9785.0
57.5°	11453.4	10857.7	10262.7	9666.9	9071.9	9240.7	9409.5	9578.3	9747.2	10123.4	10498.9
60°	12432.2	11820.6	11209.7	10598.0	9987.1	10050.7	10113.5	10177.1	10240.7	10645.0	11048.4
62.5°	13194.5	12632.1	12070.4	11507.9	10946.2	10875.8	10806.2	10735.8	10666.2	10973.5	11280.1
65°	13371.7	12975.8	12580.6	12184.7	11788.8	11572.3	11356.5	11140.0	10923.5	11047.7	11171.8
67.5°	12864.5	12597.3	12330.8	12063.6	11796.4	11344.4	10892.5	10439.8	9987.9	9922.0	9856.2
70°	11687.4	11541.3	11395.9	11249.8	11104.5	10408.0	9712.3	9015.9	8320.2	8152.9	7985.6
72.5°	9222.6	9313.4	9404.2	9495.8	9586.7	8841.0	8096.1	7350.5	6604.8	6392.9	6181.7
75°	6503.4	6811.5	7119.6	7427.7	7735.8	7056.0	6377.0	5697.2	5017.4	4813.8	4610.9
77.5°	3526.1	4103.7	4681.3	5258.9	5836.5	5275.5	4715.4	4154.4	3593.5	3451.9	3311.1
80°	1671.5	2004.5	2336.9	2669.9	3003.0	2876.6	2750.2	2623.0	2496.6	2527.6	2558.7
82.5°	512.5	753.2	993.9	1234.7	1475.4	1494.3	1512.5	1531.4	1550.3	1597.3	1643.5
85°	171.8	235.4	299.0	362.6	426.2	538.2	650.3	763.1	875.1	802.4	730.5
87.5°	0.0	2.3	3.8	6.1	7.6	23.5	39.4	55.3	71.2	61.3	52.2
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: P367997

CATALOG NUMBER: MSA-SA3C-750-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: P367997

CATALOG NUMBER: MSA-SA3C-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3
2.5°	2014.4	2047.7	2048.4	2050.0	2050.7	2051.5	2055.3	2059.0	2063.6	2067.4	2042.4
5°	2738.1	2762.3	2717.6	2673.0	2627.6	2582.9	2623.0	2663.1	2703.3	2743.4	2726.0
7.5°	3084.0	3068.9	3063.6	3059.0	3053.7	3049.2	3064.3	3079.5	3094.6	3109.8	3108.3
10°	3361.1	3430.0	3446.6	3463.3	3480.7	3497.3	3462.5	3427.7	3392.9	3358.1	3343.7
12.5°	3613.2	3682.8	3738.1	3793.3	3849.4	3904.6	3854.7	3805.4	3755.5	3706.3	3659.3
15°	3584.4	3632.1	3677.5	3722.9	3768.4	3813.8	3797.1	3781.2	3764.6	3747.9	3740.3
17.5°	3653.3	3682.1	3671.5	3660.9	3649.5	3638.9	3633.6	3629.1	3623.8	3618.5	3600.3
20°	3541.3	3568.5	3561.7	3555.6	3548.8	3542.0	3537.5	3532.9	3528.4	3523.8	3509.5
22.5°	3442.8	3399.7	3388.3	3377.7	3366.4	3355.8	3357.3	3358.8	3359.6	3361.1	3426.2
25°	3557.9	3451.2	3409.5	3367.9	3325.5	3283.9	3302.8	3321.0	3339.9	3358.8	3452.7
27.5°	3579.1	3418.6	3352.0	3285.4	3218.8	3152.2	3220.3	3288.4	3356.5	3424.7	3576.8
30°	3739.6	3579.9	3486.8	3394.4	3301.3	3208.9	3296.0	3383.0	3470.1	3557.2	3722.2
32.5°	3877.4	3765.3	3698.7	3632.1	3565.5	3498.9	3502.6	3505.7	3509.5	3513.2	3745.6
35°	3990.9	3825.1	3764.6	3704.8	3644.2	3584.4	3674.5	3764.6	3854.7	3944.7	4153.7
37.5°	4476.9	4365.6	4254.4	4143.8	4032.5	3922.0	3993.9	4065.9	4138.5	4210.4	4441.3
40°	4819.8	4638.2	4609.4	4581.4	4552.6	4524.6	4561.7	4598.0	4635.1	4672.2	4874.3
42.5°	5529.1	5407.3	5329.3	5252.1	5174.1	5096.9	5126.4	5155.9	5186.2	5215.7	5407.3
45°	6367.9	6283.9	6232.4	6180.9	6128.7	6077.2	6032.5	5988.6	5944.0	5900.1	6094.6
47.5°	7171.1	7211.2	7324.8	7437.5	7551.1	7663.9	7571.5	7479.2	7386.1	7293.7	7294.5
50°	8372.4	8656.3	8713.9	8770.6	8828.2	8884.9	8688.1	8491.3	8293.7	8096.9	8073.4
52.5°	9396.7	9788.0	9808.5	9828.9	9850.1	9870.5	9791.1	9711.6	9631.3	9551.9	9340.6
55°	10201.4	10617.0	10645.0	10672.2	10700.2	10727.5	10657.8	10588.9	10519.3	10449.7	10236.2
57.5°	10875.1	11250.6	11267.2	11283.1	11299.8	11316.4	11321.7	11327.0	11333.1	11338.4	11050.0
60°	11452.7	11856.9	11823.6	11791.1	11757.8	11725.2	11675.2	11625.3	11575.3	11525.4	11339.1
62.5°	11587.4	11894.8	11843.3	11792.6	11741.1	11690.4	11648.0	11606.4	11564.0	11521.6	11402.7
65°	11296.0	11420.1	11367.1	11314.2	11260.4	11207.4	11180.2	11153.7	11126.4	11099.2	11084.0
67.5°	9789.5	9723.7	9786.5	9849.4	9912.2	9975.0	10060.6	10146.1	10232.4	10317.9	10268.0
70°	7817.6	7650.3	7719.9	7788.8	7858.4	7927.3	8056.8	8186.2	8316.4	8445.9	8411.0
72.5°	5969.7	5757.8	5767.6	5777.4	5788.0	5797.9	5794.1	5791.1	5787.3	5783.5	5844.1
75°	4407.3	4203.6	4107.5	4011.4	3915.2	3819.1	3795.6	3772.1	3748.7	3725.2	3838.0
77.5°	3169.6	3028.8	2962.9	2897.8	2831.9	2766.8	2800.2	2833.5	2867.5	2900.8	2940.2
80°	2590.5	2621.5	2570.8	2520.8	2470.1	2419.4	2457.2	2494.3	2532.2	2570.0	2452.7
82.5°	1690.4	1736.6	1580.6	1424.7	1268.7	1112.8	1207.4	1302.0	1397.4	1492.1	1443.6
85°	657.8	585.9	499.6	414.1	327.8	241.5	314.2	386.8	459.5	532.2	580.6
87.5°	42.4	33.3	26.5	19.7	12.1	5.3	11.4	17.4	24.2	30.3	50.7
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: P367997

CATALOG NUMBER: MSA-SA3C-750-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: P367997

CATALOG NUMBER: MSA-SA3C-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3	1600.3
2.5°	2018.2	1993.2	1969.0	1921.3	1873.6	1825.9	1778.2	1844.8	1911.4	1978.0	2044.7
5°	2709.3	2691.9	2675.2	2679.8	2684.3	2689.6	2694.2	2704.0	2713.9	2722.9	2732.8
7.5°	3107.5	3106.0	3104.5	3069.6	3034.8	2999.2	2964.4	2981.8	2999.2	3016.7	3034.1
10°	3330.1	3315.7	3301.3	3224.8	3148.4	3071.2	2994.7	2961.4	2927.3	2894.0	2860.7
12.5°	3612.4	3564.7	3517.8	3436.0	3355.0	3273.3	3191.5	3161.2	3130.2	3099.9	3068.9
15°	3733.5	3726.0	3719.2	3660.9	3601.8	3543.5	3484.5	3380.8	3276.3	3172.6	3068.9
17.5°	3582.1	3563.2	3545.0	3637.4	3729.0	3821.3	3913.7	3806.2	3698.7	3591.2	3483.7
20°	3495.1	3480.7	3466.3	3638.2	3809.2	3981.1	4152.2	4104.5	4056.0	4008.3	3960.6
22.5°	3491.3	3557.2	3622.3	3772.9	3922.8	4073.4	4223.3	4305.8	4389.1	4471.6	4554.1
25°	3546.6	3641.2	3735.0	3984.9	4234.7	4485.2	4735.0	4829.7	4923.5	5018.2	5112.0
27.5°	3728.2	3880.4	4031.8	4249.8	4467.8	4686.6	4904.6	5111.3	5318.7	5525.4	5732.0
30°	3886.4	4051.5	4216.5	4476.2	4735.0	4994.7	5253.6	5512.5	5771.4	6030.3	6289.2
32.5°	3978.0	4211.2	4443.6	4759.3	5074.2	5389.9	5705.5	5989.4	6273.3	6556.4	6840.3
35°	4362.6	4572.3	4781.2	5130.2	5479.2	5828.9	6177.9	6529.1	6880.4	7230.9	7582.1
37.5°	4672.2	4903.9	5134.7	5516.3	5897.0	6278.6	6660.1	7145.3	7631.3	8116.6	8601.8
40°	5076.5	5278.6	5480.7	5838.0	6194.5	6551.9	6909.2	7524.6	8140.0	8754.7	9370.2
42.5°	5598.0	5789.6	5981.1	6363.4	6745.6	7127.9	7510.2	8191.5	8872.8	9553.4	10234.7
45°	6289.2	6484.5	6679.0	6983.3	7287.7	7592.0	7896.3	8620.7	9344.4	10068.9	10792.6
47.5°	7295.2	7296.0	7296.7	7516.3	7735.8	7956.1	8175.6	8905.4	9634.4	10364.1	11093.1
50°	8050.0	8025.7	8002.3	8115.8	8228.6	8342.2	8455.7	9127.2	9799.4	10470.9	11142.3
52.5°	9130.2	8919.0	8708.6	8775.9	8842.5	8909.9	8976.5	9545.0	10114.3	10682.8	11251.3
55°	10023.5	9810.0	9596.5	9571.5	9546.6	9521.6	9496.6	10019.7	10542.8	11065.9	11588.9
57.5°	10762.3	10473.9	10186.2	10128.7	10071.9	10014.4	9956.8	10508.7	11059.8	11611.7	12162.8
60°	11153.7	10967.4	10781.2	10744.1	10706.3	10669.2	10631.3	11084.0	11536.7	11989.4	12442.1
62.5°	11284.6	11165.8	11047.7	11117.3	11187.0	11257.4	11327.0	11526.1	11724.4	11923.5	12121.9
65°	11069.6	11054.5	11039.4	11182.4	11324.7	11467.8	11610.9	11561.7	11511.7	11462.5	11413.3
67.5°	10218.8	10168.8	10119.6	10433.8	10747.2	11061.3	11375.5	11137.0	10897.8	10659.3	10420.9
70°	8376.2	8340.6	8305.8	8758.5	9211.2	9664.6	10117.3	9828.2	9539.0	9249.8	8960.6
72.5°	5903.9	5964.4	6025.0	6558.7	7091.6	7625.3	8158.2	7866.8	7575.3	7283.9	6992.4
75°	3950.0	4062.8	4175.6	4725.2	5274.8	5825.1	6374.7	6032.5	5690.4	5348.2	5006.1
77.5°	2979.6	3018.9	3058.3	3405.8	3753.2	4101.4	4448.9	4166.5	3883.4	3601.1	3317.9
80°	2335.4	2217.3	2099.9	2214.2	2328.5	2442.8	2557.2	2388.3	2219.5	2051.5	1882.7
82.5°	1395.2	1346.7	1298.3	1360.3	1421.6	1483.7	1545.8	1473.1	1399.7	1327.0	1253.6
85°	628.3	676.8	724.5	787.3	849.4	912.2	975.0	873.6	772.1	670.7	569.3
87.5°	70.4	90.8	111.3	137.8	164.3	190.8	217.3	169.6	121.1	73.4	25.7
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: P367997

CATALOG NUMBER: MSA-SA3C-750-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: P367997

CATALOG NUMBER: MSA-SA3C-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1600.3	1600.3
2.5°	2083.3	2121.9
5°	2732.0	2730.5
7.5°	2988.6	2942.5
10°	2818.3	2775.9
12.5°	2960.6	2852.4
15°	2987.1	2905.4
17.5°	3350.5	3216.5
20°	3788.8	3616.2
22.5°	4317.9	4081.0
25°	4830.4	4548.8
27.5°	5563.2	5393.6
30°	6118.1	5946.3
32.5°	6723.7	6607.1
35°	7466.3	7349.7
37.5°	8632.1	8661.6
40°	9388.3	9406.5
42.5°	10305.1	10375.5
45°	10871.3	10950.0
47.5°	11202.9	11312.6
50°	11319.5	11496.6
52.5°	11470.1	11688.1
55°	11831.9	12074.9
57.5°	12356.5	12550.3
60°	12451.2	12460.3
62.5°	11981.8	11841.8
65°	11264.2	11115.1
67.5°	10330.8	10240.0
70°	8841.0	8721.4
72.5°	6769.9	6547.3
75°	4730.5	4455.0
77.5°	3173.4	3028.8
80°	1887.2	1891.0
82.5°	1288.4	1322.5
85°	562.5	554.9
87.5°	18.2	9.8
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0

REPORT NUMBER: P367997

CATALOG NUMBER: MSA-SA3C-750-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)