

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: P367954

Luminaire Tested: **MSA-SA3C-730-U-SLR**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367954
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-SA3C-730-U-SLR
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) 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: 14203 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

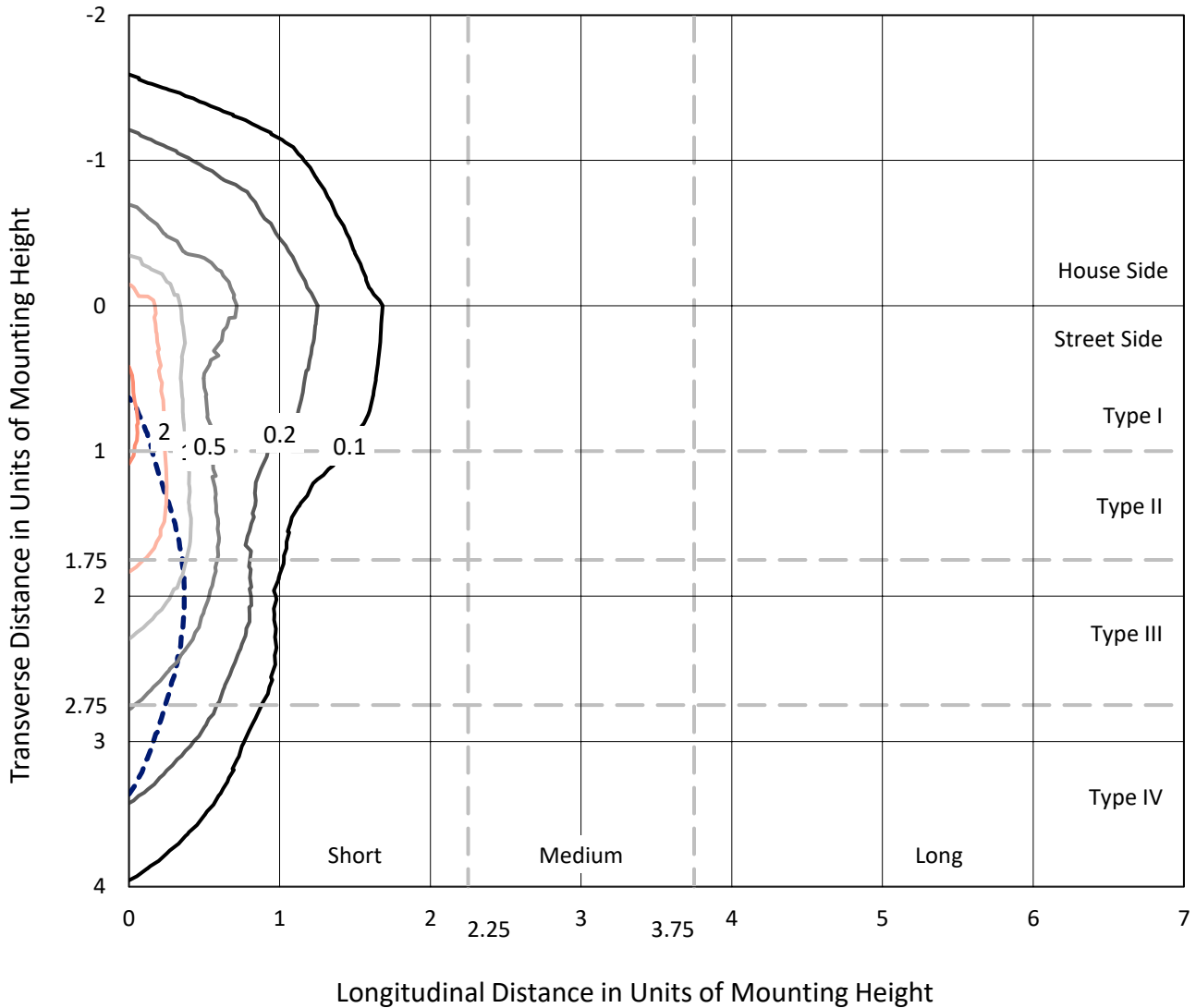
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

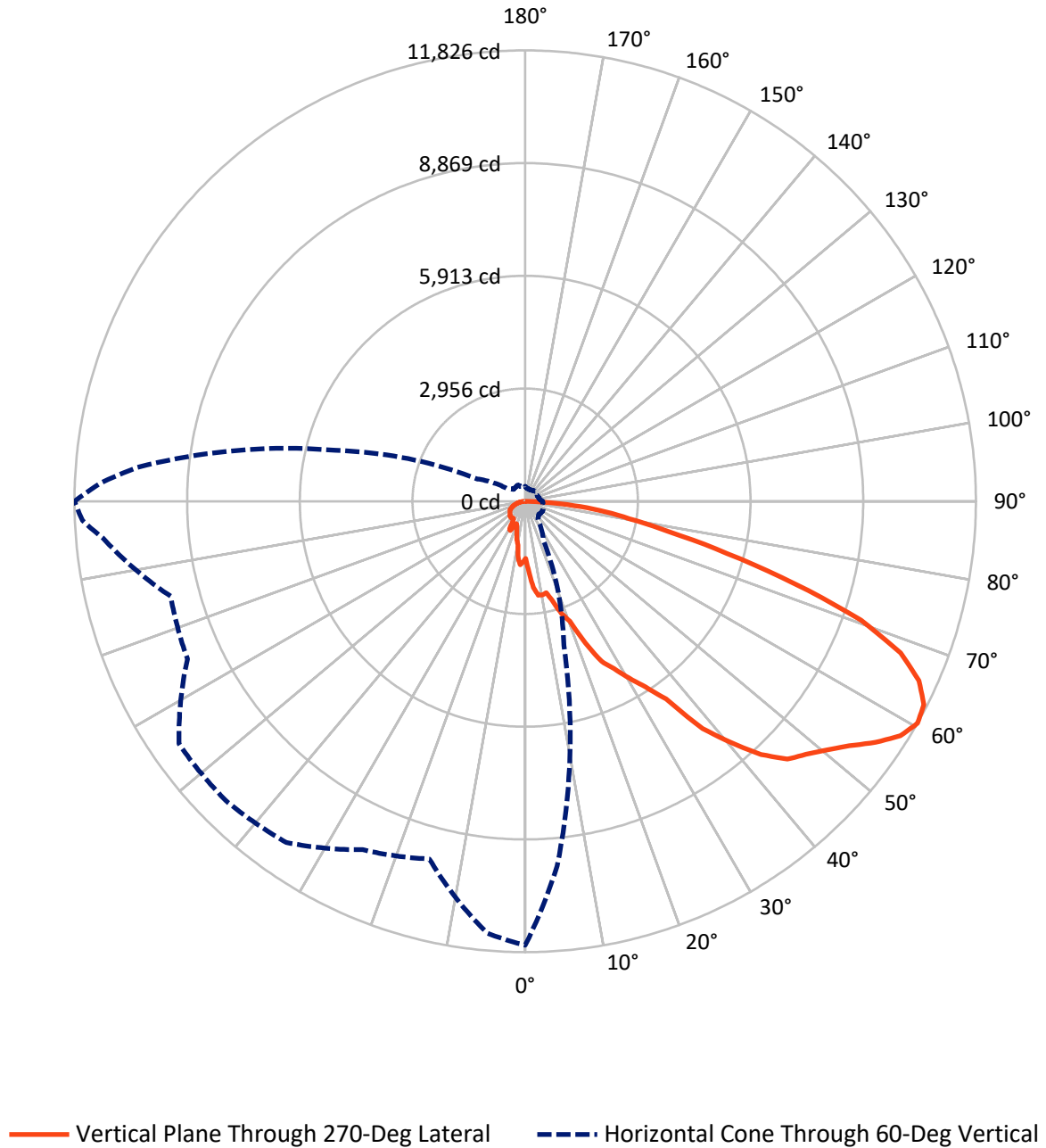
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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	2750.8	0.0	2750.8
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	11452.2	0.0	11452.2
	% Fixture	80.6	0.0	80.6
Total	Lumens	14203.0	0.0	14203.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.7	1.2
10°-20°	499.0	3.5
20°-30°	881.0	6.2
30°-40°	1372.1	9.7
40°-50°	2259.0	15.9
50°-60°	3224.3	22.7
60°-70°	3418.9	24.1
70°-80°	1888.4	13.3
80°-90°	488.6	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°	14203.0	100.0
0°-180°	14203.0	100.0

Coefficient of Utilization



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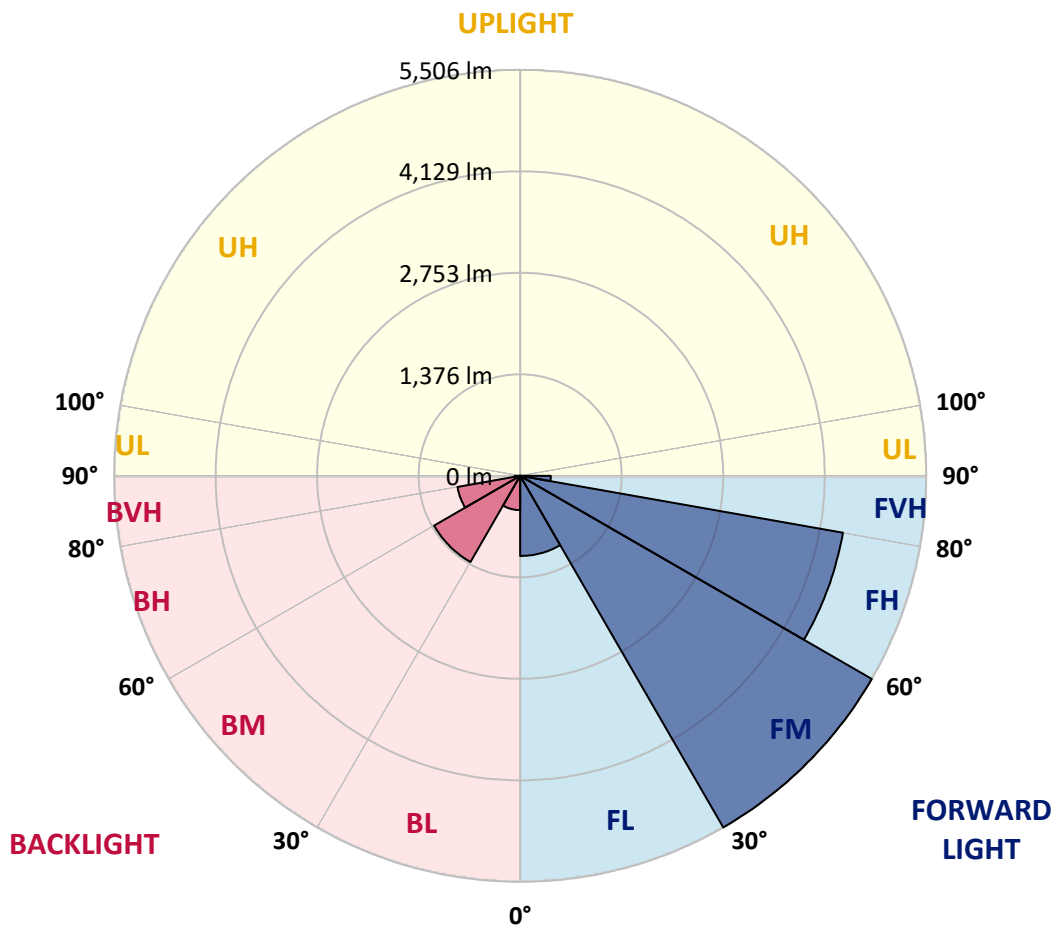
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1086.8	7.7			
FM (30°-60°)	5506.0	38.8			
FH (60°-80°)	4444.2	31.3			G2/5000
FVH (80°-90°)	415.3	2.9			G3/500
BL (0°-30°)	465.0	3.3	B1/500		
BM (30°-60°)	1349.4	9.5	B2/2500		
BH (60°-80°)	863.1	6.1	B2/1000		G2/1000
BVH (80°-90°)	73.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0
2.5°	2006.1	2018.5	2030.3	2006.8	1983.4	1959.2	1935.8	1900.7	1864.8	1829.6	1793.8
5°	2409.4	2363.9	2317.7	2299.1	2281.2	2262.6	2244.0	2226.7	2209.5	2191.6	2174.3
7.5°	2535.6	2470.8	2405.3	2377.7	2350.1	2321.9	2294.3	2232.2	2170.2	2107.5	2045.4
10°	2397.0	2329.5	2261.2	2234.3	2206.7	2179.9	2152.3	2076.4	2001.3	1925.5	1849.6
12.5°	2508.7	2439.8	2370.1	2284.6	2199.2	2113.0	2027.5	1985.4	1943.4	1900.7	1858.6
15°	2616.2	2523.2	2429.4	2343.9	2258.4	2172.3	2086.8	2002.7	1918.6	1834.5	1750.4
17.5°	3009.2	2854.1	2699.0	2544.5	2389.4	2235.0	2079.9	1982.7	1884.8	1787.6	1689.7
20°	3488.3	3272.5	3056.1	2821.7	2586.6	2352.2	2117.1	1994.4	1872.4	1749.7	1627.0
22.5°	4058.4	3786.1	3513.8	3218.1	2922.3	2625.9	2330.1	2152.3	1974.4	1795.9	1618.0
25°	4511.4	4249.4	3987.4	3612.4	3237.4	2862.4	2487.3	2285.3	2083.3	1880.7	1678.7
27.5°	4951.2	4534.1	4116.4	3686.9	3258.1	2828.6	2399.1	2212.3	2025.4	1838.6	1651.8
30°	5322.8	4991.9	4661.0	4100.5	3540.0	2978.9	2418.4	2188.8	1959.2	1729.7	1500.1
32.5°	5866.7	5394.5	4921.6	4337.0	3752.4	3167.8	2583.1	2289.5	1995.8	1702.1	1408.4
35°	6503.0	6012.2	5521.3	4798.2	4075.7	3352.5	2629.3	2318.4	2006.8	1695.9	1384.3
37.5°	7689.5	6824.3	5958.4	5169.1	4379.7	3589.7	2800.3	2439.1	2077.8	1715.9	1354.7
40°	8343.7	7544.0	6744.3	5760.5	4776.8	3792.3	2808.6	2439.1	2068.9	1699.3	1329.1
42.5°	9215.8	8204.4	7192.4	6128.7	5065.6	4001.9	2938.2	2528.7	2119.2	1709.0	1299.5
45°	9747.3	8620.1	7492.3	6355.5	5218.7	4081.9	2945.1	2529.4	2113.7	1698.0	1282.3
47.5°	10089.9	9007.6	7924.5	6700.9	5477.2	4252.9	3029.2	2588.0	2146.1	1704.9	1263.0
50°	10414.6	9342.6	8269.9	6999.4	5729.5	4459.0	3188.4	2706.5	2224.7	1742.1	1260.2
52.5°	10813.1	9825.9	8838.0	7475.1	6111.4	4748.5	3384.9	2860.3	2335.7	1811.0	1286.4
55°	11392.9	10420.1	9446.7	7983.8	6520.3	5057.4	3593.8	3011.3	2429.4	1846.9	1264.3
57.5°	11768.6	10782.1	9795.6	8303.7	6811.9	5319.3	3827.5	3182.2	2537.0	1891.0	1245.7
60°	11643.8	10626.3	9608.0	8185.8	6763.6	5341.4	3919.2	3222.2	2525.9	1829.0	1132.0
62.5°	11092.3	10010.6	8929.0	7655.0	6381.7	5107.7	3833.7	3125.0	2417.0	1708.3	999.6
65°	10321.6	9203.4	8084.5	6935.3	5786.1	4636.8	3487.6	2844.4	2200.5	1557.3	913.4
67.5°	9375.7	8210.0	7043.5	6026.0	5008.4	3990.2	2972.7	2434.9	1897.9	1360.2	822.4
70°	8189.3	7043.5	5897.7	5017.4	4137.0	3256.7	2376.3	1971.7	1567.7	1163.0	758.3
72.5°	6582.3	5593.7	4605.1	3912.3	3219.5	2526.6	1833.8	1552.5	1271.9	990.7	709.4
75°	4681.7	4100.5	3519.3	2980.2	2441.1	1901.3	1362.2	1180.2	998.2	816.2	634.2
77.5°	3327.0	2984.4	2641.7	2219.1	1796.6	1374.0	951.4	844.5	738.3	631.5	524.6
80°	2459.7	2173.6	1887.6	1569.1	1250.6	932.1	613.6	561.2	509.5	457.1	404.7
82.5°	1619.4	1490.5	1360.9	1108.5	856.2	603.9	351.6	332.3	313.0	293.7	274.4
85°	725.2	765.9	805.9	651.5	496.4	341.9	186.8	177.9	168.9	159.9	151.0
87.5°	69.6	102.7	135.8	116.5	96.5	77.2	57.2	56.5	56.5	55.8	55.2
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



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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°	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0
2.5°	1803.4	1813.1	1822.7	1832.4	1822.1	1811.7	1800.7	1790.3	1777.2	1764.2	1750.4
5°	2145.4	2115.7	2086.8	2057.1	2013.0	1968.9	1924.1	1880.0	1874.5	1868.2	1862.7
7.5°	1991.0	1937.2	1882.7	1828.3	1759.3	1691.1	1622.1	1553.2	1532.5	1511.8	1491.2
10°	1813.1	1775.9	1739.3	1702.1	1659.4	1616.6	1573.2	1530.4	1473.9	1416.7	1360.2
12.5°	1797.9	1737.3	1675.9	1615.2	1589.0	1562.8	1536.7	1510.5	1460.8	1411.2	1360.9
15°	1701.4	1651.8	1602.8	1553.2	1515.3	1477.4	1439.4	1401.5	1361.5	1320.9	1280.9
17.5°	1633.2	1576.6	1520.1	1463.6	1420.1	1376.7	1332.6	1289.2	1240.9	1192.0	1143.7
20°	1562.2	1498.0	1433.2	1368.4	1313.3	1258.8	1203.7	1148.5	1095.4	1043.0	990.0
22.5°	1533.2	1448.4	1363.6	1278.8	1220.9	1162.3	1104.4	1045.8	996.9	947.9	899.0
25°	1577.3	1476.7	1375.3	1274.0	1196.1	1117.5	1039.6	961.0	920.3	879.7	838.3
27.5°	1525.6	1398.8	1272.6	1145.8	1062.4	978.2	894.8	810.7	804.5	798.3	791.4
30°	1367.1	1234.0	1101.0	967.9	891.4	814.2	737.6	660.4	646.0	630.8	616.3
32.5°	1272.6	1136.8	1001.0	865.2	796.9	728.0	659.7	590.8	574.3	557.7	541.2
35°	1236.8	1089.2	941.7	794.2	735.6	677.0	618.4	559.8	548.1	537.0	525.3
37.5°	1207.8	1061.7	914.8	768.0	711.5	654.9	597.7	541.2	532.2	523.2	514.3
40°	1180.2	1032.0	883.1	734.2	683.9	634.2	583.9	533.6	528.1	522.6	516.4
42.5°	1155.4	1011.3	866.6	722.5	677.7	633.6	588.7	543.9	538.4	532.9	527.4
45°	1141.6	1001.0	860.4	719.7	687.3	654.9	621.8	589.4	576.3	563.2	549.4
47.5°	1131.3	999.6	867.9	736.3	702.5	668.7	634.9	601.1	589.4	577.7	565.3
50°	1133.4	1007.2	880.4	753.5	712.8	671.5	630.8	589.4	588.1	586.7	585.3
52.5°	1152.0	1018.2	883.8	749.4	705.2	661.1	616.3	572.2	581.2	589.4	598.4
55°	1125.1	985.8	845.9	706.6	664.6	623.2	581.2	539.1	550.8	561.9	573.6
57.5°	1094.8	943.8	792.8	641.8	610.1	578.4	546.0	514.3	526.7	539.8	552.2
60°	994.1	856.2	718.3	580.5	559.1	537.7	516.4	495.0	500.5	506.0	511.5
62.5°	883.8	767.3	651.5	535.0	518.4	501.2	484.6	467.4	467.4	468.1	468.1
65°	813.5	713.5	613.6	513.6	495.0	476.4	457.1	438.5	435.7	432.9	430.2
67.5°	743.2	664.6	585.3	506.0	479.1	452.9	426.0	399.2	395.7	393.0	389.5
70°	688.0	617.7	547.4	477.1	446.7	417.1	386.7	356.4	353.7	351.6	348.8
72.5°	643.2	577.7	511.5	445.3	413.6	381.2	349.5	317.1	315.1	313.0	310.2
75°	575.6	517.7	459.1	400.5	369.5	339.2	308.2	277.1	274.4	272.3	269.6
77.5°	476.4	427.4	379.2	330.2	306.1	282.7	258.5	234.4	233.0	231.6	229.6
80°	366.8	328.8	290.2	252.3	236.5	219.9	204.1	187.5	186.8	186.1	184.8
82.5°	251.6	228.9	206.1	183.4	171.7	159.2	147.5	135.1	135.8	136.5	137.2
85°	143.4	135.1	127.5	119.3	109.6	100.7	91.0	81.3	83.4	85.5	86.9
87.5°	52.4	49.6	46.9	44.1	39.3	35.2	30.3	25.5	26.9	29.0	30.3
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: P367954
 CATALOG NUMBER: MSA-SA3C-730-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: P367954

CATALOG NUMBER: MSA-SA3C-730-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0
2.5°	1737.3	1716.6	1695.9	1675.2	1654.5	1611.8	1569.7	1527.0	1484.3	1510.5	1537.3
5°	1856.5	1821.4	1785.5	1750.4	1714.5	1694.5	1674.5	1654.5	1634.5	1644.9	1655.9
7.5°	1470.5	1449.8	1428.4	1407.7	1386.4	1377.4	1369.1	1360.2	1351.2	1376.7	1402.2
10°	1302.9	1274.0	1245.0	1215.4	1186.4	1169.2	1152.0	1134.7	1117.5	1124.4	1131.3
12.5°	1311.2	1268.5	1225.7	1183.0	1140.3	1114.7	1089.2	1063.7	1038.2	1044.4	1050.6
15°	1240.2	1196.1	1152.0	1107.9	1063.7	1034.1	1003.8	974.1	943.8	933.4	922.4
17.5°	1094.8	1046.5	998.2	950.0	901.7	881.7	861.7	841.7	821.8	810.7	799.7
20°	936.9	892.1	847.3	802.5	757.6	743.9	730.1	715.6	701.8	694.9	687.3
22.5°	850.0	822.4	794.2	766.6	738.3	722.5	707.3	691.5	675.6	668.0	659.7
25°	797.6	803.1	809.3	814.9	820.4	813.5	805.9	799.0	791.4	794.2	796.2
27.5°	785.2	796.9	809.3	821.1	832.8	839.0	845.2	851.4	857.6	859.7	861.7
30°	601.1	607.4	612.9	619.1	624.6	641.8	659.1	675.6	692.8	719.7	747.3
32.5°	524.6	522.6	520.5	517.7	515.7	519.8	523.9	527.4	531.5	541.2	551.5
35°	513.6	508.8	503.3	498.4	492.9	495.0	497.1	499.1	501.2	508.8	516.4
37.5°	505.3	503.3	501.9	499.8	497.7	502.6	506.7	511.5	515.7	521.9	528.1
40°	510.8	510.1	509.5	508.1	507.4	510.1	512.9	515.7	518.4	526.7	535.0
42.5°	521.9	521.9	521.2	521.2	520.5	523.2	525.3	528.1	530.1	535.0	539.8
45°	536.3	535.0	534.3	532.9	531.5	530.8	530.8	530.1	529.5	532.2	535.7
47.5°	553.6	548.8	543.2	538.4	532.9	531.5	529.5	528.1	526.0	527.4	528.8
50°	583.9	570.8	558.4	545.3	532.2	528.8	525.3	521.9	518.4	517.7	517.7
52.5°	606.7	587.4	568.1	548.8	529.5	523.2	517.0	510.8	504.6	503.3	502.6
55°	584.6	570.1	556.3	541.9	527.4	518.4	508.8	499.8	490.2	488.1	486.0
57.5°	564.6	555.6	546.7	537.7	528.8	519.8	510.1	501.2	491.5	486.7	481.9
60°	517.0	517.0	517.7	517.7	517.7	508.1	498.4	488.8	479.1	474.3	470.2
62.5°	468.1	475.7	482.6	490.2	497.1	484.0	470.2	457.1	443.3	439.8	437.1
65°	427.4	429.5	432.2	434.3	436.4	426.0	415.7	405.4	395.0	393.0	390.2
67.5°	386.1	385.4	384.7	383.3	382.6	376.4	369.5	363.3	356.4	353.7	350.9
70°	346.1	345.4	344.7	343.3	342.6	337.1	331.6	326.1	320.6	318.5	316.4
72.5°	308.2	307.5	306.1	305.4	304.0	299.2	295.1	290.2	285.4	282.7	279.9
75°	266.8	265.4	264.0	262.7	261.3	257.1	253.0	248.2	244.0	241.3	238.5
77.5°	228.2	226.1	224.1	221.3	219.2	215.8	211.6	208.2	204.1	200.6	197.9
80°	184.1	182.7	181.3	179.2	177.9	174.4	171.0	166.8	163.4	159.2	155.8
82.5°	137.9	137.2	135.8	135.1	133.7	130.3	126.8	123.4	120.0	115.8	111.7
85°	88.9	88.2	87.6	86.9	86.2	83.4	81.3	78.6	75.8	71.7	68.2
87.5°	31.7	30.3	29.6	28.3	26.9	26.2	24.8	24.1	22.7	20.7	18.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367954
 CATALOG NUMBER: MSA-SA3C-730-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: P367954

CATALOG NUMBER: MSA-SA3C-730-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0
2.5°	1563.5	1589.7	1590.4	1590.4	1602.8	1614.6	1590.4	1566.3	1541.5	1517.3	1493.2
5°	1666.3	1676.6	1673.8	1670.4	1655.2	1640.1	1624.2	1608.3	1592.5	1576.6	1577.3
7.5°	1427.7	1453.2	1473.9	1493.9	1474.6	1455.3	1445.0	1434.6	1424.3	1413.9	1412.6
10°	1137.5	1144.4	1152.7	1160.2	1148.5	1136.1	1156.8	1177.5	1197.5	1218.2	1195.4
12.5°	1056.8	1063.0	1048.6	1033.4	1028.6	1023.7	1018.9	1013.4	1008.6	1003.1	1000.3
15°	912.1	901.0	890.0	878.3	875.5	872.1	868.6	864.5	861.0	856.9	844.5
17.5°	788.7	777.6	759.0	739.7	732.1	723.9	721.8	719.7	717.0	714.9	703.2
20°	680.4	672.8	668.0	662.5	654.9	647.3	639.8	632.2	623.9	616.3	605.3
22.5°	652.2	643.9	637.7	630.8	629.4	628.0	614.2	599.8	586.0	571.5	565.3
25°	799.0	801.1	763.2	724.5	721.1	717.7	692.8	667.3	642.5	617.0	595.6
27.5°	863.1	865.2	863.8	862.4	851.4	839.7	797.6	754.9	712.8	670.1	639.8
30°	774.2	801.1	811.4	821.8	814.2	805.9	761.8	718.3	674.2	630.1	610.1
32.5°	561.2	570.8	588.1	604.6	613.6	621.8	608.0	594.3	580.5	566.7	563.2
35°	523.2	530.8	534.3	537.7	532.2	526.7	516.4	506.0	495.0	484.6	482.6
37.5°	533.6	539.8	546.7	553.6	538.4	522.6	510.8	499.8	488.1	476.4	466.7
40°	543.2	551.5	555.6	559.8	544.6	529.5	515.0	501.2	486.7	472.2	462.6
42.5°	544.6	549.4	557.0	564.6	543.2	521.2	508.1	494.3	481.2	467.4	457.8
45°	538.4	541.2	548.1	555.0	530.1	504.6	492.9	480.5	468.8	456.4	448.1
47.5°	529.5	530.8	536.3	541.2	515.0	488.1	477.1	466.0	454.3	443.3	435.0
50°	517.0	516.4	520.5	523.9	497.1	470.2	459.1	448.8	437.8	426.7	419.8
52.5°	501.2	499.8	503.9	507.4	479.1	450.9	441.2	432.2	422.6	412.9	407.4
55°	483.3	481.2	484.6	488.1	460.5	432.2	424.0	415.0	406.7	397.8	393.0
57.5°	476.4	471.5	473.6	475.7	444.7	413.6	405.4	397.1	388.8	380.5	377.1
60°	465.3	460.5	462.6	464.0	430.9	397.1	389.5	381.2	373.6	365.4	361.9
62.5°	433.6	430.2	432.9	435.7	406.1	375.7	368.8	362.6	355.7	348.8	344.0
65°	388.1	385.4	390.9	396.4	370.9	345.4	341.2	337.1	332.3	328.2	323.3
67.5°	348.1	345.4	350.9	356.4	337.8	319.2	315.1	310.9	306.8	302.6	299.9
70°	314.4	312.3	317.1	321.9	306.1	290.2	286.1	282.7	278.5	274.4	272.3
72.5°	276.4	273.7	279.9	285.4	272.3	258.5	255.1	250.9	247.5	243.4	242.0
75°	235.8	233.0	238.5	243.4	234.4	224.7	221.3	217.8	214.4	211.0	210.3
77.5°	194.4	191.0	196.5	201.3	195.8	189.6	186.8	183.4	180.6	177.2	177.2
80°	151.7	147.5	151.7	155.1	153.0	151.0	148.9	146.2	144.1	141.3	142.0
82.5°	107.5	103.4	105.5	107.5	108.9	110.3	110.3	110.3	110.3	110.3	110.3
85°	64.1	60.0	60.7	61.4	63.4	65.5	66.2	66.9	67.6	68.2	68.9
87.5°	16.5	14.5	13.1	11.0	13.1	14.5	15.9	16.5	17.9	18.6	18.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367954
 CATALOG NUMBER: MSA-SA3C-730-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



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 CATALOG NUMBER: MSA-SA3C-730-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0
2.5°	1469.1	1444.3	1420.1	1435.3	1449.8	1465.0	1479.4	1480.1	1480.1	1480.8	1480.8
5°	1578.7	1579.4	1580.1	1565.6	1551.8	1537.3	1522.9	1515.3	1507.7	1499.4	1491.8
7.5°	1410.5	1409.1	1407.0	1393.3	1379.5	1365.7	1351.9	1318.8	1285.0	1251.9	1218.2
10°	1172.0	1149.2	1125.8	1120.3	1115.4	1109.9	1104.4	1095.4	1087.2	1078.2	1069.2
12.5°	997.5	994.8	992.0	977.6	963.1	947.9	933.4	933.4	933.4	933.4	933.4
15°	831.4	819.0	805.9	799.0	791.4	784.5	776.9	773.5	770.0	766.6	763.2
17.5°	690.8	679.0	666.6	665.3	663.9	662.5	661.1	657.7	654.2	650.8	647.3
20°	594.3	583.2	572.2	576.3	580.5	583.9	588.1	584.6	581.2	577.0	573.6
22.5°	558.4	552.2	545.3	541.9	538.4	534.3	530.8	530.8	531.5	531.5	531.5
25°	575.0	553.6	532.2	521.9	511.5	500.5	490.2	486.0	482.6	478.4	474.3
27.5°	609.4	578.4	548.1	530.1	512.2	494.3	476.4	468.8	460.5	452.9	444.7
30°	589.4	569.4	548.8	528.1	507.4	486.7	466.0	456.4	446.7	436.4	426.7
32.5°	559.8	555.6	552.2	532.9	513.6	493.6	474.3	470.2	466.7	462.6	458.4
35°	479.8	477.7	475.0	470.2	465.3	460.5	455.7	450.2	444.7	439.1	433.6
37.5°	457.8	448.1	438.5	436.4	434.3	432.2	430.2	428.1	426.0	423.3	421.2
40°	452.9	443.3	433.6	430.2	426.7	422.6	419.1	419.8	421.2	421.9	422.6
42.5°	447.4	437.8	427.4	424.7	421.9	419.1	416.4	417.1	418.5	419.1	419.8
45°	440.5	432.2	424.0	419.1	415.0	410.2	405.4	409.5	413.6	417.1	421.2
47.5°	426.7	417.8	409.5	406.7	404.0	400.5	397.8	401.9	406.1	409.5	413.6
50°	412.3	405.4	397.8	397.1	396.4	395.0	394.3	397.1	399.8	402.6	405.4
52.5°	401.2	395.7	389.5	389.5	388.8	388.8	388.1	390.9	393.6	395.7	398.5
55°	388.8	384.0	379.2	379.9	381.2	381.9	382.6	385.4	388.8	391.6	394.3
57.5°	373.0	369.5	365.4	368.1	370.2	373.0	375.0	377.1	379.9	381.9	384.0
60°	357.8	354.3	350.2	353.0	356.4	359.2	361.9	364.0	366.1	368.1	370.2
62.5°	339.2	333.7	328.8	333.0	336.4	340.6	344.0	345.4	347.5	348.8	350.2
65°	319.2	314.4	309.5	312.3	315.1	317.1	319.9	321.9	324.0	326.1	328.2
67.5°	296.4	293.7	290.2	292.3	294.4	296.4	298.5	299.2	299.2	299.9	299.9
70°	269.6	267.5	264.7	266.1	268.2	269.6	270.9	270.9	270.9	270.2	270.2
72.5°	241.3	239.9	238.5	239.2	240.6	241.3	242.0	241.3	240.6	239.9	239.2
75°	209.6	208.9	208.2	208.9	210.3	211.0	211.6	211.0	209.6	208.9	207.5
77.5°	177.9	177.9	177.9	177.9	178.6	178.6	178.6	177.2	175.8	174.4	173.0
80°	142.7	143.4	144.1	144.1	144.1	144.1	144.1	142.7	141.3	139.3	137.9
82.5°	110.3	110.3	110.3	110.3	111.0	111.0	111.0	107.5	104.8	101.3	97.9
85°	68.9	69.6	69.6	70.3	71.0	71.0	71.7	66.9	62.7	57.9	53.1
87.5°	18.6	18.6	18.6	18.6	18.6	17.9	17.9	13.8	9.0	4.8	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



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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



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CATALOG NUMBER: MSA-SA3C-730-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0
2.5°	1484.9	1489.1	1492.5	1496.7	1497.4	1498.0	1498.0	1498.7	1484.3	1469.8	1454.6
5°	1502.2	1511.8	1522.2	1531.8	1529.8	1527.7	1525.6	1523.6	1519.4	1516.0	1511.8
7.5°	1210.6	1203.7	1196.1	1188.5	1194.7	1200.9	1207.1	1213.3	1216.1	1218.8	1220.9
10°	1052.0	1034.8	1017.5	1000.3	990.7	980.3	970.7	960.3	958.9	958.3	956.9
12.5°	915.5	896.9	879.0	860.4	854.8	848.6	843.1	836.9	842.4	848.0	852.8
15°	755.6	748.7	741.1	733.5	739.7	745.9	752.1	758.3	763.8	768.7	774.2
17.5°	643.9	641.1	637.7	634.2	639.8	646.0	651.5	657.0	669.4	681.8	694.2
20°	570.8	568.7	566.0	563.2	561.2	558.4	556.3	553.6	571.5	588.7	606.7
22.5°	527.4	523.2	519.1	515.0	515.7	516.4	516.4	517.0	531.5	546.7	561.2
25°	472.9	471.5	470.2	468.8	472.9	477.1	480.5	484.6	497.7	510.8	523.2
27.5°	445.3	446.0	446.7	447.4	452.9	459.1	464.6	470.2	479.1	488.1	497.1
30°	430.2	434.3	437.8	441.2	443.3	445.3	447.4	449.5	458.4	466.7	475.7
32.5°	452.9	447.4	441.2	435.7	438.5	441.9	444.7	447.4	455.7	464.0	472.2
35°	431.6	428.8	426.7	424.0	427.4	430.9	433.6	437.1	444.7	451.6	459.1
37.5°	420.5	419.8	419.1	418.5	420.5	422.6	424.0	426.0	432.9	439.8	446.0
40°	419.8	416.4	413.6	410.2	412.3	414.3	415.7	417.8	426.0	434.3	442.6
42.5°	415.7	411.6	406.7	402.6	404.7	407.4	409.5	411.6	420.5	428.8	437.8
45°	415.0	408.8	401.9	395.7	398.5	401.2	404.0	406.7	413.6	420.5	426.7
47.5°	407.4	401.2	395.0	388.8	390.2	391.6	392.3	393.6	399.8	405.4	411.6
50°	401.2	396.4	392.3	387.4	385.4	384.0	381.9	379.9	384.7	389.5	394.3
52.5°	393.6	388.8	383.3	378.5	375.7	373.0	370.2	367.4	371.6	375.0	379.2
55°	388.8	382.6	377.1	370.9	367.4	364.0	360.6	357.1	359.9	361.9	364.7
57.5°	378.5	373.0	366.8	361.2	357.1	353.0	348.1	344.0	345.4	346.8	348.1
60°	364.7	358.5	353.0	346.8	341.9	337.1	331.6	326.8	327.5	328.8	329.5
62.5°	344.7	339.2	333.0	327.5	321.9	317.1	311.6	306.1	307.5	308.2	309.5
65°	322.6	316.4	310.9	304.7	299.9	295.1	289.5	284.7	286.1	287.5	288.2
67.5°	295.7	290.9	286.8	282.0	277.8	273.0	268.9	264.0	264.7	265.4	266.1
70°	266.8	262.7	259.2	255.1	251.6	248.2	244.7	241.3	241.3	242.0	242.0
72.5°	235.8	232.3	228.9	225.4	222.0	219.2	215.8	212.3	213.7	215.1	215.8
75°	204.1	201.3	197.9	194.4	191.7	188.9	185.4	182.7	184.1	185.4	186.1
77.5°	171.0	168.9	166.1	164.1	161.3	158.6	155.1	152.4	153.7	155.1	155.8
80°	136.5	135.1	133.1	131.7	128.9	126.2	123.4	120.6	121.3	121.3	122.0
82.5°	98.6	99.3	99.3	100.0	97.9	95.1	93.1	90.3	90.3	90.3	89.6
85°	55.2	57.9	60.0	62.0	60.0	57.9	55.8	53.8	53.1	53.1	52.4
87.5°	2.1	3.4	5.5	6.9	6.2	5.5	4.1	3.4	4.1	4.8	4.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367954
 CATALOG NUMBER: MSA-SA3C-730-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: P367954
 CATALOG NUMBER: MSA-SA3C-730-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0
2.5°	1440.1	1451.9	1463.6	1475.3	1487.0	1504.9	1522.9	1541.5	1560.1	1549.8	1538.7
5°	1507.7	1514.6	1522.2	1529.1	1536.0	1556.0	1575.3	1599.4	1622.8	1620.1	1616.6
7.5°	1223.7	1233.3	1243.0	1251.9	1261.6	1291.9	1322.3	1347.8	1373.3	1369.8	1365.7
10°	955.5	975.5	996.2	1016.2	1036.2	1061.0	1085.1	1106.5	1127.8	1163.7	1198.9
12.5°	858.3	889.3	920.3	951.4	982.4	1000.3	1017.5	1045.1	1072.7	1092.0	1112.0
15°	779.0	808.0	836.9	865.9	894.8	896.2	897.6	926.5	955.5	972.0	987.9
17.5°	706.6	722.5	738.3	753.5	769.4	763.8	758.3	772.1	785.2	792.1	799.7
20°	623.9	634.9	646.0	657.0	668.0	675.6	682.5	690.8	698.4	691.5	683.9
22.5°	575.6	592.2	609.4	626.0	642.5	647.3	651.5	646.6	641.8	639.8	637.7
25°	536.3	556.3	577.0	597.0	617.0	626.7	636.3	640.4	643.9	636.3	628.7
27.5°	506.0	530.1	553.6	577.7	601.1	618.4	635.6	640.4	644.6	639.1	632.9
30°	484.0	510.1	536.3	562.5	588.7	614.9	640.4	663.2	685.3	683.2	681.1
32.5°	480.5	498.4	516.4	534.3	552.2	568.7	584.6	586.0	586.7	581.2	575.0
35°	466.0	477.7	489.5	501.2	512.9	523.2	532.9	531.5	530.1	524.6	519.1
37.5°	452.9	464.6	477.1	488.8	500.5	518.4	535.7	532.2	528.1	522.6	517.0
40°	450.9	464.0	477.1	489.5	502.6	519.1	535.7	532.2	528.8	521.9	515.0
42.5°	446.0	459.1	471.5	484.6	497.1	517.0	536.3	530.1	523.2	517.7	512.2
45°	433.6	445.3	457.1	468.8	480.5	501.9	523.2	515.7	508.1	506.0	503.3
47.5°	417.1	428.8	440.5	452.2	464.0	485.3	506.0	499.8	492.9	492.2	490.8
50°	399.2	410.2	421.9	432.9	444.0	465.3	486.0	480.5	475.0	475.7	475.7
52.5°	382.6	393.0	402.6	412.9	422.6	444.0	464.6	460.5	455.7	457.1	457.8
55°	366.8	375.0	383.3	391.6	399.8	420.5	441.2	435.0	428.8	430.9	432.9
57.5°	349.5	356.4	363.3	369.5	376.4	397.1	417.1	410.2	402.6	406.1	408.8
60°	330.2	336.4	342.6	348.1	354.3	373.0	390.9	384.7	377.8	382.6	386.7
62.5°	310.2	315.1	319.9	324.7	329.5	346.8	364.0	359.2	354.3	359.9	364.7
65°	289.5	293.0	297.1	300.6	304.0	320.6	336.4	333.0	329.5	334.4	339.2
67.5°	266.8	269.6	273.0	275.8	278.5	293.7	308.8	305.4	301.3	305.4	308.8
70°	242.0	244.7	246.8	249.6	251.6	265.4	279.2	274.4	268.9	273.0	276.4
72.5°	217.2	218.5	220.6	222.0	223.4	233.7	244.0	239.9	235.8	239.9	243.4
75°	187.5	188.9	190.3	191.7	193.0	202.0	210.3	205.4	199.9	204.1	208.2
77.5°	157.2	157.9	159.2	159.9	160.6	166.8	172.3	167.5	162.0	166.8	171.7
80°	122.0	122.7	123.4	123.4	124.1	126.2	128.2	124.8	120.6	126.8	133.1
82.5°	89.6	88.9	88.9	88.2	87.6	87.6	86.9	84.8	82.0	87.6	93.1
85°	51.7	51.0	49.6	48.9	47.6	45.5	43.4	42.7	42.1	46.9	51.7
87.5°	5.5	4.8	3.4	2.8	1.4	0.7	0.0	0.0	0.0	2.8	6.2
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: P367954
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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: P367954

CATALOG NUMBER: MSA-SA3C-730-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0
2.5°	1528.4	1517.3	1507.0	1496.7	1486.3	1476.0	1495.3	1514.6	1533.9	1553.2	1570.4
5°	1613.9	1610.4	1601.5	1593.2	1584.2	1575.3	1580.1	1585.6	1590.4	1595.3	1605.6
7.5°	1362.2	1358.1	1377.4	1396.0	1415.3	1433.9	1438.8	1442.9	1447.7	1451.9	1449.1
10°	1234.7	1269.9	1278.8	1287.1	1296.1	1304.3	1318.1	1331.9	1345.0	1358.8	1366.4
12.5°	1131.3	1150.6	1182.3	1214.7	1246.4	1278.1	1298.8	1319.5	1340.2	1360.9	1403.6
15°	1004.4	1020.3	1044.4	1068.6	1092.7	1116.8	1146.5	1176.8	1206.4	1236.1	1283.0
17.5°	806.6	813.5	831.4	849.3	866.6	884.5	924.5	963.8	1003.8	1043.0	1096.8
20°	677.0	669.4	669.4	670.1	670.1	670.1	710.1	749.4	789.4	828.6	899.7
22.5°	634.9	632.9	625.3	617.0	609.4	601.1	621.8	643.2	663.9	684.6	742.5
25°	620.5	612.9	603.2	593.6	583.9	574.3	587.4	600.5	613.6	626.7	672.2
27.5°	627.3	621.1	626.0	630.1	634.9	639.1	643.2	647.3	651.5	655.6	671.5
30°	679.0	677.0	684.6	691.5	699.0	705.9	696.3	687.3	677.7	668.0	673.5
32.5°	569.4	563.2	560.5	557.7	555.0	552.2	551.5	550.8	549.4	548.8	561.2
35°	513.6	508.1	503.9	499.8	495.0	490.8	492.9	494.3	496.4	497.7	511.5
37.5°	511.5	506.0	501.2	496.4	490.8	486.0	488.1	490.8	492.9	495.0	505.3
40°	508.1	501.2	498.4	495.7	492.9	490.2	491.5	492.9	493.6	495.0	502.6
42.5°	506.0	500.5	499.1	497.7	496.4	495.0	496.4	497.7	498.4	499.8	508.8
45°	501.2	498.4	499.8	501.2	502.6	503.9	503.9	503.9	503.9	503.9	513.6
47.5°	490.2	488.8	492.9	497.1	501.2	505.3	512.2	519.1	525.3	532.2	534.3
50°	476.4	476.4	483.3	490.2	496.4	503.3	519.8	535.7	552.2	568.1	557.7
52.5°	459.1	459.8	470.2	479.8	490.2	499.8	515.0	530.1	544.6	559.8	544.6
55°	434.3	436.4	449.5	461.9	475.0	487.4	499.1	510.8	522.6	534.3	518.4
57.5°	412.3	415.0	428.8	441.9	455.7	468.8	475.7	483.3	490.2	497.1	486.7
60°	391.6	395.7	413.6	431.6	448.8	466.7	461.2	455.7	449.5	444.0	443.3
62.5°	370.2	375.0	391.6	408.1	424.0	440.5	432.2	424.0	415.0	406.7	410.2
65°	343.3	348.1	355.7	363.3	370.2	377.8	377.1	377.1	376.4	375.7	382.6
67.5°	313.0	316.4	321.3	325.4	330.2	334.4	337.1	340.6	343.3	346.1	354.3
70°	280.6	284.0	288.9	293.0	297.8	302.0	305.4	308.8	311.6	315.1	323.3
72.5°	247.5	250.9	255.8	260.6	264.7	269.6	272.3	275.1	277.1	279.9	286.8
75°	212.3	216.5	221.3	225.4	230.3	234.4	236.5	238.5	240.6	242.7	248.9
77.5°	176.5	181.3	186.1	191.0	195.8	200.6	201.3	202.0	202.7	203.4	208.9
80°	138.6	144.8	149.6	154.4	159.2	164.1	164.1	164.1	164.1	164.1	166.8
82.5°	98.6	104.1	109.6	114.4	120.0	124.8	124.8	124.1	124.1	123.4	123.4
85°	56.5	61.4	64.8	68.9	72.4	75.8	75.8	75.8	75.1	75.1	73.8
87.5°	9.0	11.7	13.1	15.2	16.5	17.9	17.2	17.2	16.5	15.9	13.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367954
 CATALOG NUMBER: MSA-SA3C-730-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: P367954

CATALOG NUMBER: MSA-SA3C-730-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0
2.5°	1587.7	1604.9	1622.1	1619.4	1616.6	1613.9	1611.1	1621.4	1631.1	1641.4	1651.1
5°	1615.2	1625.6	1635.2	1642.8	1650.4	1658.0	1665.6	1700.7	1735.2	1770.4	1804.8
7.5°	1446.3	1442.9	1440.1	1472.5	1505.6	1538.0	1570.4	1615.2	1660.1	1704.9	1749.7
10°	1374.0	1381.5	1389.1	1402.2	1416.0	1429.1	1442.2	1486.3	1530.4	1574.6	1618.7
12.5°	1445.7	1488.4	1530.4	1540.8	1551.8	1562.2	1572.5	1581.5	1590.4	1598.7	1607.7
15°	1329.8	1376.7	1423.6	1450.5	1477.4	1503.6	1530.4	1598.0	1664.9	1732.4	1799.3
17.5°	1149.9	1203.7	1256.8	1322.9	1389.1	1455.3	1521.5	1583.5	1645.6	1706.9	1769.0
20°	970.7	1041.0	1112.0	1184.4	1256.1	1328.5	1400.2	1460.8	1521.5	1581.5	1642.1
22.5°	799.7	857.6	914.8	1003.1	1090.6	1178.9	1266.4	1379.5	1491.8	1604.9	1717.3
25°	717.0	762.5	807.3	898.3	989.3	1079.6	1170.6	1317.4	1463.6	1610.4	1756.6
27.5°	688.0	703.9	719.7	802.5	884.5	967.2	1049.3	1207.8	1366.4	1524.2	1682.8
30°	679.0	684.6	690.1	754.9	819.7	884.5	949.3	1105.8	1263.0	1419.5	1575.9
32.5°	572.9	585.3	597.0	660.4	723.2	786.6	849.3	1007.2	1164.4	1322.3	1479.4
35°	525.3	539.1	552.9	614.9	677.0	738.3	800.4	966.5	1133.4	1299.5	1465.6
37.5°	515.7	526.0	536.3	606.7	677.0	747.3	817.6	985.8	1154.0	1322.3	1490.5
40°	510.8	518.4	526.0	594.3	663.2	731.4	799.7	976.2	1152.0	1328.5	1504.3
42.5°	517.0	526.0	534.3	596.3	657.7	719.7	781.1	963.8	1145.8	1328.5	1510.5
45°	522.6	532.2	541.2	599.1	657.0	714.9	772.8	967.9	1162.3	1357.4	1551.8
47.5°	535.7	537.7	539.1	589.4	639.1	689.4	739.0	937.6	1136.1	1334.0	1532.5
50°	546.7	536.3	525.3	577.7	629.4	681.8	733.5	921.7	1109.9	1297.4	1485.6
52.5°	529.5	513.6	498.4	555.0	611.5	667.3	723.9	912.1	1101.0	1289.2	1477.4
55°	503.3	487.4	471.5	528.8	586.0	643.2	700.4	887.9	1076.1	1263.7	1451.2
57.5°	477.1	466.7	456.4	503.3	550.8	597.7	644.6	848.0	1050.6	1254.0	1456.7
60°	442.6	441.2	440.5	477.1	514.3	550.8	587.4	786.6	985.1	1184.4	1382.9
62.5°	412.9	416.4	419.1	448.8	478.4	507.4	537.0	729.4	922.4	1114.7	1307.1
65°	390.2	397.1	404.0	437.8	471.5	504.6	538.4	699.7	861.0	1022.4	1183.7
67.5°	362.6	370.9	379.2	423.3	467.4	511.5	555.6	688.7	821.8	954.8	1087.9
70°	330.9	339.2	346.8	403.3	459.1	515.7	571.5	689.4	808.0	925.9	1043.7
72.5°	293.7	300.6	307.5	368.1	428.8	489.5	550.1	650.1	750.1	849.3	949.3
75°	255.8	262.0	268.2	320.6	373.0	425.4	477.7	555.0	631.5	708.7	785.2
77.5°	213.7	219.2	224.1	259.2	294.4	329.5	364.7	424.0	482.6	541.9	600.5
80°	169.6	172.3	175.1	195.8	215.8	236.5	256.5	295.7	335.0	373.6	412.9
82.5°	124.1	124.1	124.1	137.2	151.0	164.1	177.2	197.2	216.5	236.5	255.8
85°	72.4	70.3	68.9	77.9	86.9	95.8	104.8	113.1	121.3	129.6	137.9
87.5°	11.7	9.0	6.9	12.4	17.9	23.4	29.0	31.7	35.2	37.9	40.7
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: P367954
 CATALOG NUMBER: MSA-SA3C-730-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: P367954

CATALOG NUMBER: MSA-SA3C-730-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0
2.5°	1627.7	1604.9	1581.5	1558.0	1592.5	1627.0	1661.4	1695.9	1787.6	1842.1	1845.5
5°	1833.8	1862.7	1891.7	1920.6	1949.6	1978.6	2006.8	2035.8	2184.7	2276.4	2293.6
7.5°	1797.2	1845.5	1893.1	1940.6	2022.7	2104.7	2186.7	2268.8	2394.9	2485.9	2545.9
10°	1678.0	1737.3	1796.6	1855.8	1953.0	2050.9	2148.1	2245.3	2379.1	2499.0	2556.3
12.5°	1702.1	1796.6	1890.3	1984.8	2068.9	2153.7	2237.8	2321.9	2414.2	2459.7	2563.8
15°	1864.8	1930.3	1995.8	2061.3	2188.1	2314.3	2441.1	2567.3	2619.7	2723.8	2817.5
17.5°	1889.6	2009.6	2130.2	2250.2	2405.3	2560.4	2715.5	2870.6	2967.8	3102.3	3215.3
20°	1812.4	1982.0	2152.3	2321.9	2521.8	2722.4	2922.3	3122.3	3245.7	3358.7	3533.8
22.5°	1904.8	2092.3	2279.1	2466.6	2732.1	2996.8	3262.2	3526.9	3784.8	4037.1	4155.6
25°	2006.8	2257.8	2508.0	2758.3	3089.8	3420.8	3752.4	4083.3	4414.9	4651.3	4787.8
27.5°	1935.1	2186.7	2439.1	2690.7	3100.9	3511.8	3921.9	4332.1	4687.2	4971.9	5089.1
30°	1884.8	2193.6	2502.5	2811.3	3292.5	3773.7	4254.9	4736.1	5064.3	5382.1	5554.4
32.5°	1875.8	2272.2	2667.9	3064.3	3624.8	4184.6	4745.1	5304.9	5522.7	5804.7	6037.0
35°	1900.7	2336.3	2771.4	3206.4	3848.9	4491.4	5133.2	5775.7	6085.3	6364.5	6567.8
37.5°	1976.5	2462.5	2947.8	3433.9	4208.0	4982.9	5757.1	6531.3	7050.4	7561.2	7652.2
40°	2019.2	2534.9	3049.9	3564.8	4465.2	5365.5	6265.9	7166.2	7763.2	8323.7	8361.6
42.5°	2069.6	2628.6	3187.1	3746.1	4744.4	5743.3	6741.6	7739.8	8478.8	9081.3	9099.3
45°	2127.5	2702.4	3278.1	3853.0	4895.4	5937.0	6979.4	8021.1	8914.5	9646.6	9468.1
47.5°	2150.2	2768.6	3386.3	4004.0	5115.3	6225.9	7337.2	8447.8	9249.6	9915.5	9744.5
50°	2159.2	2833.4	3506.9	4180.5	5331.7	6483.7	7635.0	8786.3	9601.8	10251.2	9989.3
52.5°	2215.0	2952.7	3690.3	4428.0	5627.5	6827.0	8026.6	9226.1	10028.6	10652.5	10327.1
55°	2290.2	3129.1	3967.4	4806.4	6048.0	7288.9	8530.5	9771.4	10576.6	11157.1	10753.8
57.5°	2359.8	3263.6	4166.7	5069.8	6356.2	7643.3	8929.7	10216.1	11031.6	11605.9	11215.0
60°	2326.0	3269.1	4212.2	5155.3	6419.6	7683.3	8947.6	10211.3	11137.1	11825.8	11625.9
62.5°	2224.0	3140.9	4057.1	4974.0	6174.2	7373.7	8574.0	9773.5	10857.2	11740.3	11731.4
65°	2027.5	2871.3	3714.4	4558.3	5668.9	6780.2	7890.8	9001.4	10278.8	11351.5	11421.1
67.5°	1788.3	2488.7	3189.1	3889.5	4935.3	5981.2	7027.0	8072.8	9438.4	10622.1	10682.1
70°	1556.6	2070.2	2583.1	3096.1	4014.3	4932.6	5850.2	6768.4	8147.9	9345.4	9400.5
72.5°	1285.0	1620.8	1955.8	2291.5	3035.4	3779.2	4522.4	5266.3	6477.5	7398.5	7709.5
75°	984.5	1183.7	1382.9	1582.2	2184.0	2785.8	3387.0	3988.8	4794.0	5473.8	5824.0
77.5°	703.9	807.3	910.7	1014.1	1525.6	2037.1	2548.0	3059.5	3482.8	3868.2	4104.6
80°	461.9	510.1	559.1	607.4	1032.7	1458.1	1882.7	2308.1	2565.9	2772.7	2892.0
82.5°	279.9	304.0	327.5	351.6	696.3	1041.0	1385.0	1729.7	1877.2	1975.8	2082.0
85°	151.0	164.1	177.2	190.3	411.6	632.2	853.5	1074.1	1088.5	1100.3	1258.1
87.5°	44.1	48.3	51.7	55.2	91.0	127.5	163.4	199.2	124.1	77.2	158.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367954
 CATALOG NUMBER: MSA-SA3C-730-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: P367954

CATALOG NUMBER: MSA-SA3C-730-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0
2.5°	1825.5	1816.5	1807.6	1797.9	1789.0	1751.1	1713.8	1675.9	1638.0	1674.5	1710.4
5°	2273.6	2301.2	2328.1	2355.6	2383.2	2385.3	2386.7	2388.7	2390.1	2397.0	2403.9
7.5°	2596.2	2645.2	2693.4	2742.4	2791.3	2829.3	2867.2	2905.8	2943.7	2909.2	2874.8
10°	2623.8	2727.2	2830.6	2934.0	3037.5	3056.1	3074.0	3092.6	3111.2	3136.0	3160.2
12.5°	2651.4	2777.6	2903.0	3029.2	3155.3	3210.5	3265.0	3320.1	3374.6	3401.5	3427.7
15°	2943.0	3017.5	3091.2	3165.7	3239.4	3277.4	3314.6	3352.5	3390.4	3413.2	3435.2
17.5°	3318.0	3345.6	3372.5	3400.1	3427.7	3453.2	3478.7	3504.2	3529.7	3533.8	3538.0
20°	3660.0	3665.5	3670.3	3675.8	3680.7	3626.9	3573.8	3520.0	3466.3	3475.9	3484.9
22.5°	4172.9	4142.5	4112.9	4082.6	4052.9	3951.6	3850.9	3749.6	3648.9	3605.5	3562.8
25°	4945.0	4867.8	4790.6	4713.4	4636.2	4474.8	4314.2	4152.9	3992.3	3897.8	3804.1
27.5°	5193.9	5025.7	4858.1	4689.9	4521.7	4399.7	4278.4	4156.3	4035.0	3885.4	3735.8
30°	5697.1	5431.7	5167.0	4901.6	4636.2	4518.3	4400.4	4281.8	4163.9	4010.9	3858.5
32.5°	6143.2	5867.4	5591.6	5315.2	5039.4	4816.1	4592.7	4369.4	4146.0	4042.6	3939.2
35°	6659.5	6312.8	5966.0	5619.2	5272.5	5080.8	4889.8	4698.2	4507.2	4350.7	4194.9
37.5°	7411.6	7042.8	6674.0	6304.5	5935.7	5676.4	5417.9	5158.7	4900.2	4814.0	4728.5
40°	8128.6	7692.9	7257.9	6822.2	6387.2	6188.7	5990.1	5790.9	5592.3	5446.9	5301.4
42.5°	8729.1	8298.2	7868.0	7437.1	7007.0	6862.2	6718.1	6573.3	6429.3	6309.3	6189.4
45°	8935.2	8583.6	8232.7	7881.1	7529.5	7478.5	7428.2	7377.2	7326.8	7237.9	7149.0
47.5°	9266.8	8908.3	8550.5	8192.0	7833.5	7852.2	7870.8	7890.1	7908.7	7913.5	7917.7
50°	9461.9	9121.3	8781.5	8440.9	8101.0	8191.3	8281.0	8371.3	8461.6	8666.3	8870.4
52.5°	9746.6	9412.3	9078.6	8744.2	8409.9	8562.9	8715.3	8868.3	9020.7	9307.5	9594.3
55°	10103.7	9783.8	9464.6	9144.8	8825.6	8974.5	9122.7	9271.6	9419.8	9739.0	10058.2
57.5°	10577.3	10234.7	9892.8	9550.1	9208.2	9345.4	9481.9	9619.1	9755.6	10058.9	10362.2
60°	11116.4	10744.2	10371.9	9998.9	9626.7	9664.6	9701.8	9739.7	9776.9	10105.8	10433.9
62.5°	11381.2	11036.5	10692.5	10347.8	10003.1	9897.6	9792.1	9685.9	9580.5	9874.8	10168.5
65°	11151.6	10914.4	10678.0	10440.8	10203.7	10017.5	9832.1	9646.0	9459.8	9643.9	9827.3
67.5°	10420.8	10286.4	10152.7	10018.2	9883.8	9571.5	9259.2	8946.2	8633.9	8646.3	8658.1
70°	9236.5	9200.6	9165.5	9129.6	9093.8	8624.3	8155.5	7686.0	7216.5	7144.8	7073.1
72.5°	7735.7	7759.1	7781.8	7805.3	7828.7	7324.1	6819.5	6314.8	5810.2	5690.9	5571.7
75°	5991.5	6121.1	6250.7	6381.0	6510.6	6028.0	5545.5	5062.2	4579.6	4432.8	4285.9
77.5°	4233.5	4475.5	4716.8	4958.8	5200.8	4764.4	4328.7	3892.3	3455.9	3360.8	3265.6
80°	2952.0	3070.5	3189.1	3307.7	3426.3	3207.0	2987.8	2768.6	2549.4	2575.6	2601.1
82.5°	2150.2	2177.8	2204.7	2232.2	2259.8	2170.2	2080.6	1990.3	1900.7	1968.9	2037.1
85°	1377.4	1476.0	1573.9	1672.5	1770.4	1671.1	1571.8	1471.8	1372.6	1418.1	1463.6
87.5°	308.2	487.4	666.6	846.6	1025.8	929.3	833.5	737.0	640.4	597.0	554.3
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: P367954
 CATALOG NUMBER: MSA-SA3C-730-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: P367954

CATALOG NUMBER: MSA-SA3C-730-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0
2.5°	1746.9	1783.5	1772.4	1762.1	1751.1	1740.0	1760.0	1780.0	1800.7	1820.7	1813.8
5°	2411.5	2418.4	2352.9	2288.1	2222.6	2157.1	2197.8	2238.5	2279.1	2319.8	2305.3
7.5°	2840.3	2805.8	2767.9	2730.0	2691.4	2653.5	2645.2	2636.9	2628.0	2619.7	2608.7
10°	3185.0	3209.1	3184.3	3160.2	3135.3	3110.5	3052.6	2994.7	2936.1	2878.2	2854.1
12.5°	3454.5	3481.4	3487.6	3493.1	3499.3	3505.6	3440.7	3376.6	3311.8	3247.0	3188.4
15°	3458.0	3480.7	3500.7	3520.0	3540.0	3559.3	3519.3	3480.0	3440.1	3400.1	3381.5
17.5°	3542.8	3546.9	3530.4	3514.5	3498.0	3482.1	3466.3	3451.1	3435.2	3420.1	3390.4
20°	3494.5	3504.2	3502.1	3500.0	3497.3	3495.2	3496.6	3497.3	3498.7	3499.3	3482.8
22.5°	3519.3	3475.9	3484.9	3493.1	3502.1	3510.4	3535.2	3560.0	3585.5	3610.3	3676.5
25°	3709.6	3615.2	3600.7	3586.9	3572.4	3558.6	3623.4	3687.6	3752.4	3817.2	3924.7
27.5°	3585.5	3435.9	3402.8	3369.7	3336.7	3303.6	3402.1	3500.0	3598.6	3697.2	3806.8
30°	3705.5	3553.1	3480.0	3407.0	3333.2	3260.1	3354.6	3448.3	3542.8	3636.5	3757.9
32.5°	3835.8	3732.4	3683.4	3635.2	3586.2	3538.0	3545.5	3553.1	3560.7	3568.3	3739.3
35°	4038.5	3882.0	3833.7	3785.4	3737.2	3688.9	3769.6	3849.6	3930.2	4010.2	4155.0
37.5°	4642.4	4556.2	4469.3	4382.5	4294.9	4208.0	4255.6	4303.2	4350.7	4398.3	4534.8
40°	5156.0	5010.5	4996.0	4982.2	4967.8	4953.3	4957.4	4960.9	4965.0	4969.1	5085.6
42.5°	6068.7	5948.8	5875.0	5801.2	5727.5	5653.7	5648.9	5644.0	5638.5	5633.7	5721.3
45°	7059.4	6970.4	6915.3	6860.1	6804.3	6749.1	6661.6	6574.0	6485.8	6398.2	6474.8
47.5°	7922.5	7927.3	8027.3	8126.5	8226.5	8326.5	8176.9	8027.3	7877.7	7728.1	7629.5
50°	9075.1	9279.2	9303.3	9326.8	9350.9	9375.0	9121.3	8868.3	8614.6	8360.9	8257.5
52.5°	9881.7	10168.5	10131.3	10094.7	10057.5	10020.3	9873.5	9727.3	9580.5	9433.6	9208.2
55°	10378.1	10697.3	10669.0	10641.4	10613.2	10584.9	10478.1	10371.2	10264.3	10157.5	9910.0
57.5°	10665.6	10968.9	10977.2	10985.4	10993.7	11002.0	10973.7	10945.5	10917.2	10888.9	10567.0
60°	10762.8	11091.6	11095.1	11097.8	11101.3	11104.0	11059.2	11014.4	10968.9	10924.1	10713.8
62.5°	10462.9	10756.6	10769.7	10782.1	10795.2	10808.3	10777.2	10746.2	10715.2	10684.2	10528.4
65°	10011.3	10195.4	10198.8	10201.6	10205.1	10208.5	10129.9	10052.0	9973.4	9894.8	9857.6
67.5°	8670.5	8682.9	8756.0	8829.0	8902.1	8975.2	8981.4	8987.6	8994.5	9000.7	8946.9
70°	7001.5	6929.8	7009.0	7088.3	7167.6	7246.9	7280.7	7314.4	7348.9	7382.7	7407.5
72.5°	5451.7	5332.4	5391.0	5449.6	5508.9	5567.5	5517.2	5466.9	5416.5	5366.2	5525.5
75°	4139.1	3992.3	3984.7	3977.8	3970.2	3963.3	3937.8	3912.3	3886.1	3860.6	4009.5
77.5°	3169.8	3074.7	3079.5	3083.6	3088.5	3092.6	3066.4	3040.9	3014.7	2988.5	3045.7
80°	2627.3	2652.8	2653.5	2654.2	2654.8	2655.5	2630.7	2606.6	2581.8	2557.0	2515.6
82.5°	2106.1	2174.3	2173.6	2173.6	2173.0	2172.3	2170.9	2169.5	2167.4	2166.1	2098.5
85°	1509.1	1554.6	1507.7	1460.8	1413.9	1367.1	1401.5	1436.0	1471.2	1505.6	1477.4
87.5°	510.8	468.1	412.3	357.1	301.3	245.4	305.4	365.4	426.0	486.0	520.5
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: P367954
 CATALOG NUMBER: MSA-SA3C-730-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: P367954

CATALOG NUMBER: MSA-SA3C-730-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0	1498.0
2.5°	1807.6	1800.7	1794.5	1751.1	1706.9	1663.5	1619.4	1699.3	1780.0	1860.0	1939.9
5°	2291.5	2277.1	2263.3	2259.8	2256.4	2252.2	2248.8	2289.5	2330.1	2370.1	2410.8
7.5°	2597.6	2586.6	2575.6	2546.6	2518.3	2489.4	2460.4	2485.3	2509.4	2534.2	2558.3
10°	2830.6	2806.5	2782.4	2719.6	2657.6	2594.9	2532.1	2513.5	2494.9	2476.3	2457.7
12.5°	3129.8	3070.5	3011.9	2940.9	2869.2	2798.2	2726.5	2716.9	2707.2	2698.3	2688.6
15°	3363.5	3344.9	3326.3	3269.8	3213.3	3156.7	3100.2	3024.4	2947.8	2872.0	2796.2
17.5°	3361.5	3331.8	3302.9	3378.7	3453.8	3529.7	3604.8	3524.2	3442.8	3362.2	3281.5
20°	3466.3	3449.0	3432.5	3572.4	3711.7	3851.6	3990.9	3946.8	3902.0	3857.8	3813.0
22.5°	3742.0	3808.2	3873.7	3993.6	4112.9	4232.9	4352.1	4402.4	4452.8	4503.1	4553.4
25°	4031.6	4139.1	4246.6	4425.2	4603.1	4781.6	4960.2	4996.0	5031.9	5067.7	5103.6
27.5°	3915.7	4025.4	4135.0	4270.1	4404.5	4539.6	4674.1	4831.3	4989.1	5146.3	5303.5
30°	3878.5	3999.8	4120.5	4305.9	4490.7	4676.1	4861.6	5078.1	5294.5	5510.3	5726.8
32.5°	3909.5	4080.5	4251.5	4502.4	4752.7	5003.6	5254.5	5482.0	5710.2	5937.7	6165.2
35°	4299.0	4443.8	4587.9	4868.5	5149.1	5429.6	5710.2	5977.0	6243.8	6509.9	6776.7
37.5°	4670.6	4807.1	4943.6	5230.4	5516.5	5803.3	6090.1	6511.3	6933.2	7354.4	7775.6
40°	5201.5	5318.0	5433.8	5679.2	5924.6	6170.0	6415.5	6923.6	7431.6	7939.7	8447.8
42.5°	5808.1	5895.7	5982.5	6236.9	6491.3	6745.7	7000.1	7553.0	8106.5	8659.4	9212.3
45°	6550.6	6627.1	6703.6	6878.7	7053.8	7229.6	7404.7	7974.9	8545.0	9115.1	9685.3
47.5°	7530.9	7432.3	7333.7	7419.9	7506.1	7592.3	7678.4	8242.4	8806.3	9369.5	9933.4
50°	8154.1	8050.7	7947.3	7954.9	7961.8	7969.4	7976.9	8502.9	9029.0	9554.3	10080.3
52.5°	8982.8	8756.6	8531.2	8529.1	8527.1	8524.3	8522.2	8980.7	9439.8	9898.3	10356.7
55°	9662.5	9415.0	9167.5	9119.3	9071.0	9022.1	8973.8	9427.4	9880.3	10334.0	10786.9
57.5°	10245.0	9922.4	9600.5	9524.6	9448.8	9373.0	9297.1	9785.9	10275.4	10764.1	11252.9
60°	10504.2	10294.0	10084.4	9991.3	9898.3	9805.2	9712.1	10128.5	10544.9	10960.6	11377.0
62.5°	10373.3	10217.5	10062.3	10083.7	10105.1	10126.5	10147.8	10385.7	10624.2	10862.0	11099.9
65°	9821.1	9783.8	9747.3	9919.6	10092.0	10264.3	10436.7	10440.1	10443.6	10447.0	10450.5
67.5°	8893.1	8839.4	8785.6	9144.1	9501.9	9860.4	10218.8	10048.6	9878.3	9708.7	9538.4
70°	7431.6	7456.5	7480.6	7968.7	8456.1	8944.2	9432.2	9185.4	8938.0	8691.2	8443.7
72.5°	5684.7	5844.7	6003.9	6509.9	7015.9	7521.9	8028.0	7746.0	7463.3	7181.4	6898.7
75°	4158.4	4307.3	4456.2	4956.0	5455.8	5956.3	6456.1	6121.1	5786.1	5451.7	5116.7
77.5°	3102.9	3160.9	3218.1	3633.8	4048.8	4464.5	4879.5	4543.1	4206.7	3870.9	3534.5
80°	2474.9	2433.5	2392.9	2623.1	2853.4	3083.6	3313.9	3075.4	2836.2	2597.6	2359.1
82.5°	2031.6	1964.1	1897.2	1982.7	2068.2	2154.3	2239.8	2048.9	1857.9	1666.9	1476.0
85°	1449.1	1420.8	1392.6	1417.4	1441.5	1466.3	1491.2	1305.0	1118.9	933.4	747.3
87.5°	554.3	588.7	623.2	662.5	701.1	740.4	779.0	610.1	441.2	273.0	104.1
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: P367954
 CATALOG NUMBER: MSA-SA3C-730-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: P367954
CATALOG NUMBER: MSA-SA3C-730-U-SLR

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1498.0	1498.0
2.5°	1973.0	2006.1
5°	2410.1	2409.4
7.5°	2547.3	2535.6
10°	2427.3	2397.0
12.5°	2599.0	2508.7
15°	2706.5	2616.2
17.5°	3145.7	3009.2
20°	3651.0	3488.3
22.5°	4305.9	4058.4
25°	4807.8	4511.4
27.5°	5127.7	4951.2
30°	5524.8	5322.8
32.5°	6016.3	5866.7
35°	6640.2	6503.0
37.5°	7732.9	7689.5
40°	8396.1	8343.7
42.5°	9214.4	9215.8
45°	9716.3	9747.3
47.5°	10012.0	10089.9
50°	10247.8	10414.6
52.5°	10584.9	10813.1
55°	11090.2	11392.9
57.5°	11510.8	11768.6
60°	11510.8	11643.8
62.5°	11096.4	11092.3
65°	10386.4	10321.6
67.5°	9457.1	9375.7
70°	8316.8	8189.3
72.5°	6740.9	6582.3
75°	4899.5	4681.7
77.5°	3431.1	3327.0
80°	2409.4	2459.7
82.5°	1547.7	1619.4
85°	736.3	725.2
87.5°	86.9	69.6
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0



REPORT NUMBER: P367954
CATALOG NUMBER: MSA-SA3C-730-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)