

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: P368042

Luminaire Tested: **MSA-SA3C-830-U-SLR**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P368042
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-830-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: 12393 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

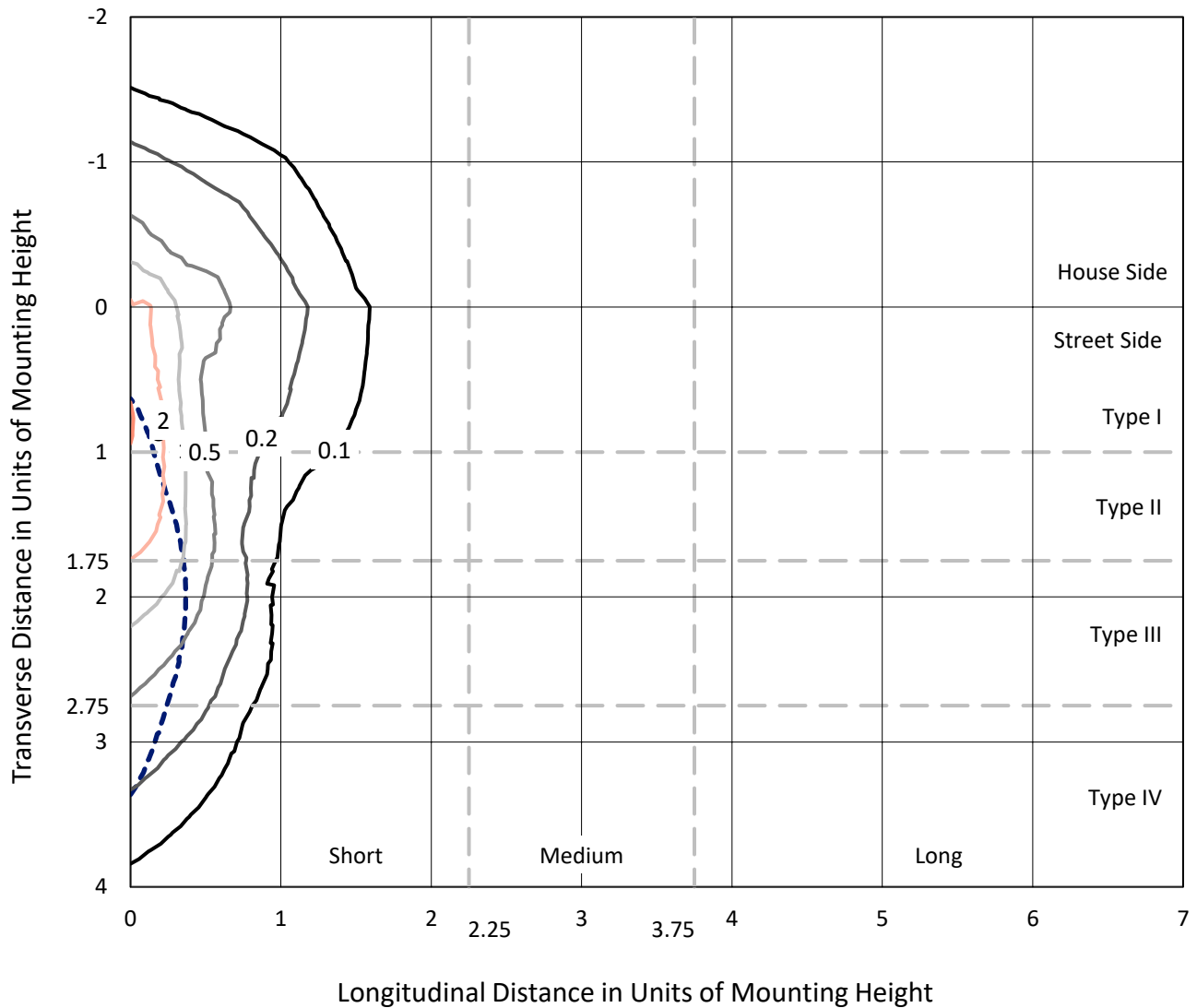
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P368042
 CATALOG NUMBER: MSA-SA3C-830-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

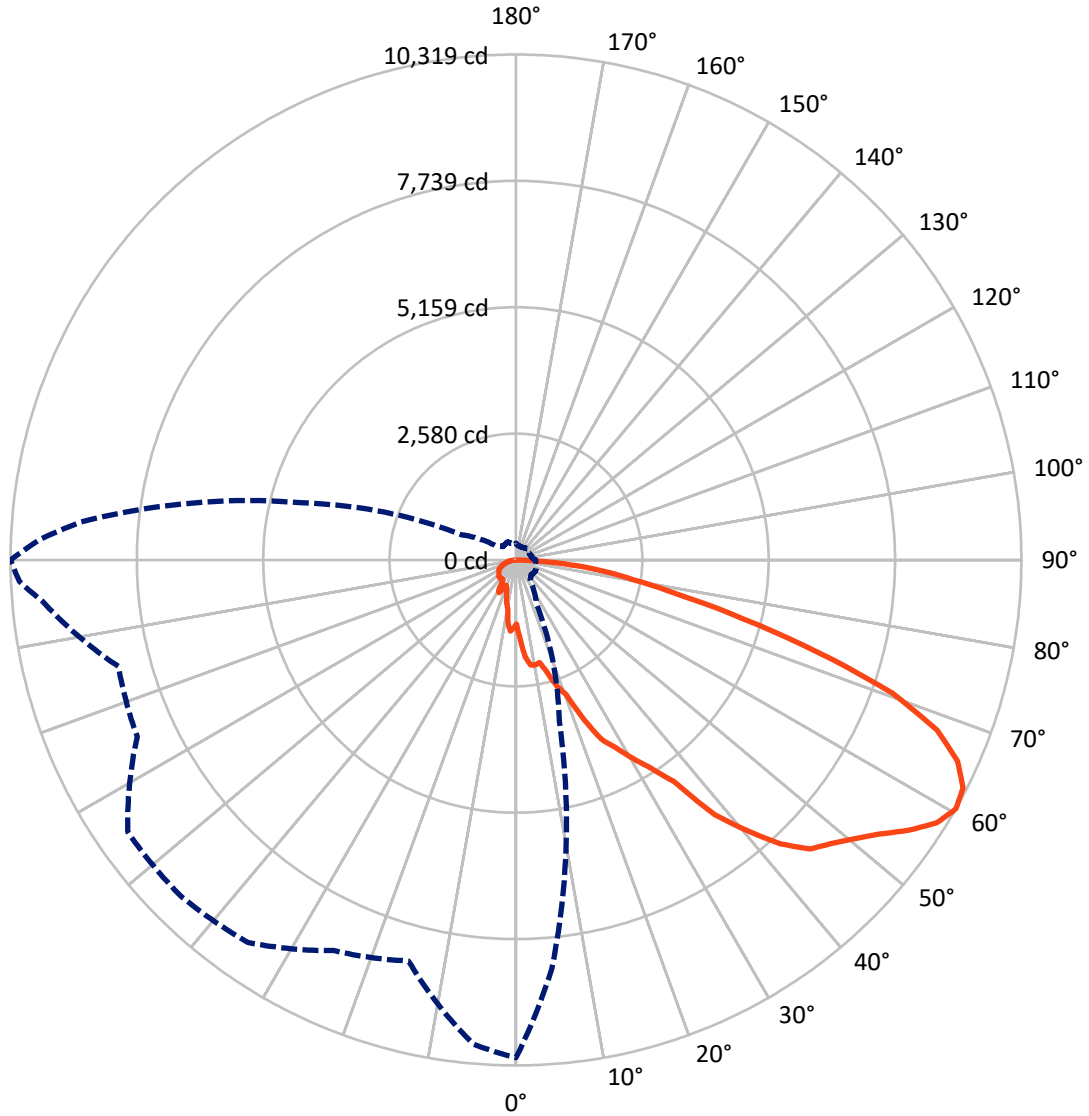
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P368042
CATALOG NUMBER: MSA-SA3C-830-U-SLR

Luminous Intensity Polar Plot



— Vertical Plane Through 270-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P368042

CATALOG NUMBER: MSA-SA3C-830-U-SLR

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2400.3	0.0	2400.3
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	9992.7	0.0	9992.7
	% Fixture	80.6	0.0	80.6
Total	Lumens	12393.0	0.0	12393.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.8	1.2
10°-20°	435.5	3.5
20°-30°	768.7	6.2
30°-40°	1197.2	9.7
40°-50°	1971.1	15.9
50°-60°	2813.4	22.7
60°-70°	2983.2	24.1
70°-80°	1647.7	13.3
80°-90°	426.3	3.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	12393.0	100.0
0°-180°	12393.0	100.0

Coefficient of Utilization



REPORT NUMBER: P368042

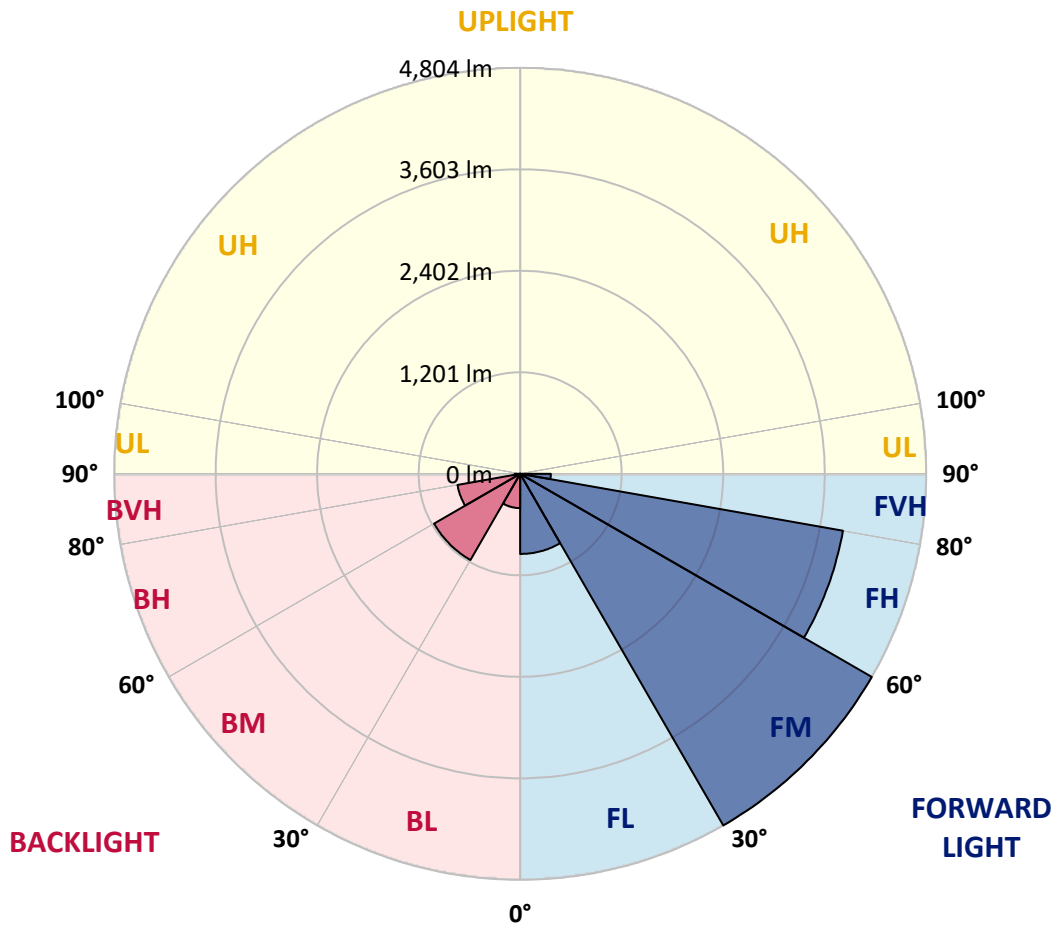
CATALOG NUMBER: MSA-SA3C-830-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	948.3	7.7			
FM (30°-60°)	4804.3	38.8			
FH (60°-80°)	3877.8	31.3			G2/5000
FVH (80°-90°)	362.3	2.9			G3/500
BL (0°-30°)	405.8	3.3	B1/500		
BM (30°-60°)	1177.4	9.5	B2/2500		
BH (60°-80°)	753.1	6.1	B2/1000		G2/1000
BVH (80°-90°)	64.0	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





REPORT NUMBER: P368042

CATALOG NUMBER: MSA-SA3C-830-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1
2.5°	1750.5	1761.3	1771.5	1751.1	1730.6	1709.6	1689.1	1658.4	1627.2	1596.5	1565.2
5°	2102.4	2062.7	2022.4	2006.1	1990.5	1974.2	1958.0	1943.0	1927.9	1912.3	1897.2
7.5°	2212.5	2155.9	2098.8	2074.7	2050.6	2026.0	2001.9	1947.8	1893.6	1838.9	1784.8
10°	2091.5	2032.6	1973.0	1949.6	1925.5	1902.1	1878.0	1811.8	1746.3	1680.1	1613.9
12.5°	2189.0	2128.8	2068.1	1993.5	1918.9	1843.7	1769.1	1732.4	1695.7	1658.4	1621.7
15°	2282.8	2201.6	2119.8	2045.2	1970.6	1895.4	1820.9	1747.5	1674.1	1600.7	1527.3
17.5°	2625.7	2490.4	2355.0	2220.3	2084.9	1950.2	1814.8	1730.0	1644.6	1559.8	1474.4
20°	3043.8	2855.5	2666.6	2462.1	2257.0	2052.4	1847.3	1740.2	1633.8	1526.7	1419.6
22.5°	3541.2	3303.6	3066.0	2808.0	2549.9	2291.3	2033.2	1878.0	1722.8	1567.0	1411.8
25°	3936.5	3707.9	3479.3	3152.1	2824.8	2497.6	2170.3	1994.1	1817.8	1641.0	1464.7
27.5°	4320.2	3956.3	3591.8	3217.0	2842.9	2468.1	2093.3	1930.3	1767.3	1604.3	1441.3
30°	4644.5	4355.7	4067.0	3577.9	3088.9	2599.2	2110.2	1909.9	1709.6	1509.3	1308.9
32.5°	5119.1	4707.0	4294.4	3784.3	3274.2	2764.1	2254.0	1997.7	1741.4	1485.2	1228.9
35°	5674.3	5246.0	4817.7	4186.7	3556.3	2925.3	2294.3	2023.0	1751.1	1479.8	1207.9
37.5°	6709.5	5954.6	5199.1	4510.3	3821.6	3132.2	2443.4	2128.2	1813.0	1497.2	1182.0
40°	7280.4	6582.6	5884.8	5026.4	4168.0	3309.1	2450.7	2128.2	1805.2	1482.8	1159.8
42.5°	8041.3	7158.9	6275.8	5347.7	4420.1	3491.9	2563.7	2206.4	1849.1	1491.2	1133.9
45°	8505.1	7521.6	6537.5	5545.6	4553.6	3561.7	2569.8	2207.0	1844.3	1481.6	1118.9
47.5°	8804.1	7859.7	6914.7	5846.9	4779.2	3710.9	2643.2	2258.2	1872.6	1487.6	1102.0
50°	9087.4	8152.0	7216.0	6107.4	4999.4	3890.7	2782.1	2361.6	1941.2	1520.1	1099.6
52.5°	9435.1	8573.7	7711.7	6522.5	5332.6	4143.4	2953.5	2495.8	2038.0	1580.2	1122.5
55°	9941.0	9092.2	8242.9	6966.4	5689.3	4412.9	3135.8	2627.5	2119.8	1611.5	1103.2
57.5°	10268.8	9408.0	8547.2	7245.5	5943.8	4641.5	3339.7	2776.7	2213.7	1650.0	1087.0
60°	10159.9	9272.1	8383.6	7142.6	5901.7	4660.7	3419.7	2811.6	2204.0	1595.9	987.7
62.5°	9678.7	8734.9	7791.1	6679.5	5568.4	4456.8	3345.1	2726.8	2109.0	1490.6	872.2
65°	9006.2	8030.5	7054.2	6051.5	5048.7	4045.9	3043.2	2481.9	1920.1	1358.9	797.0
67.5°	8180.9	7163.7	6145.9	5258.0	4370.2	3481.7	2593.8	2124.6	1656.0	1186.8	717.6
70°	7145.7	6145.9	5146.1	4378.0	3609.8	2841.7	2073.5	1720.4	1367.9	1014.8	661.7
72.5°	5743.5	4880.9	4018.3	3413.7	2809.2	2204.6	1600.1	1354.7	1109.8	864.4	619.0
75°	4085.0	3577.9	3070.8	2600.4	2130.0	1659.0	1188.6	1029.8	871.0	712.2	553.4
77.5°	2903.0	2604.1	2305.1	1936.3	1567.6	1198.9	830.1	736.9	644.2	551.0	457.8
80°	2146.3	1896.6	1647.0	1369.1	1091.2	813.3	535.4	489.7	444.5	398.8	353.1
82.5°	1413.0	1300.5	1187.4	967.3	747.1	526.9	306.8	289.9	273.1	256.3	239.4
85°	632.8	668.3	703.2	568.5	433.1	298.4	163.0	155.2	147.4	139.6	131.7
87.5°	60.8	89.6	118.5	101.7	84.2	67.4	49.9	49.3	49.3	48.7	48.1
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: P368042
 CATALOG NUMBER: MSA-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P368042

CATALOG NUMBER: MSA-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1
2.5°	1573.6	1582.0	1590.5	1598.9	1589.9	1580.8	1571.2	1562.2	1550.8	1539.3	1527.3
5°	1872.0	1846.1	1820.9	1795.0	1756.5	1718.0	1678.9	1640.4	1635.6	1630.2	1625.4
7.5°	1737.2	1690.3	1642.8	1595.3	1535.1	1475.6	1415.4	1355.3	1337.2	1319.2	1301.1
10°	1582.0	1549.6	1517.7	1485.2	1447.9	1410.6	1372.7	1335.4	1286.1	1236.2	1186.8
12.5°	1568.8	1515.9	1462.3	1409.4	1386.5	1363.7	1340.8	1318.0	1274.7	1231.3	1187.4
15°	1484.6	1441.3	1398.6	1355.3	1322.2	1289.1	1256.0	1222.9	1188.0	1152.5	1117.7
17.5°	1425.0	1375.7	1326.4	1277.1	1239.2	1201.3	1162.8	1124.9	1082.8	1040.1	997.9
20°	1363.1	1307.1	1250.6	1194.0	1145.9	1098.4	1050.3	1002.2	955.8	910.1	863.8
22.5°	1337.8	1263.8	1189.8	1115.8	1065.3	1014.2	963.7	912.5	869.8	827.1	784.4
25°	1376.3	1288.5	1200.1	1111.6	1043.7	975.1	907.1	838.5	803.1	767.6	731.5
27.5°	1331.2	1220.5	1110.4	999.8	927.0	853.6	780.8	707.4	702.0	696.6	690.6
30°	1192.8	1076.8	960.7	844.6	777.8	710.4	643.6	576.3	563.6	550.4	537.8
32.5°	1110.4	991.9	873.4	754.9	695.4	635.2	575.7	515.5	501.1	486.6	472.2
35°	1079.2	950.4	821.7	693.0	641.8	590.7	539.6	488.4	478.2	468.6	458.4
37.5°	1053.9	926.4	798.2	670.1	620.8	571.5	521.5	472.2	464.4	456.6	448.7
40°	1029.8	900.5	770.6	640.6	596.7	553.4	509.5	465.6	460.8	456.0	450.6
42.5°	1008.2	882.5	756.1	630.4	591.3	552.8	513.7	474.6	469.8	465.0	460.2
45°	996.1	873.4	750.7	628.0	599.7	571.5	542.6	514.3	502.9	491.5	479.4
47.5°	987.1	872.2	757.3	642.4	613.0	583.5	554.0	524.5	514.3	504.1	493.3
50°	988.9	878.8	768.2	657.5	622.0	585.9	550.4	514.3	513.1	511.9	510.7
52.5°	1005.2	888.5	771.2	653.9	615.4	576.9	537.8	499.3	507.1	514.3	522.1
55°	981.7	860.2	738.1	616.6	579.9	543.8	507.1	470.4	480.6	490.3	500.5
57.5°	955.2	823.5	691.8	560.0	532.4	504.7	476.4	448.7	459.6	471.0	481.8
60°	867.4	747.1	626.8	506.5	487.8	469.2	450.6	431.9	436.7	441.5	446.3
62.5°	771.2	669.5	568.5	466.8	452.4	437.3	422.9	407.8	407.8	408.4	408.4
65°	709.8	622.6	535.4	448.1	431.9	415.7	398.8	382.6	380.2	377.8	375.4
67.5°	648.5	579.9	510.7	441.5	418.1	395.2	371.7	348.3	345.3	342.9	339.9
70°	600.3	539.0	477.6	416.3	389.8	363.9	337.5	311.0	308.6	306.8	304.4
72.5°	561.2	504.1	446.3	388.6	360.9	332.6	305.0	276.7	274.9	273.1	270.7
75°	502.3	451.8	400.6	349.5	322.4	296.0	268.9	241.8	239.4	237.6	235.2
77.5°	415.7	373.0	330.8	288.1	267.1	246.6	225.6	204.5	203.3	202.1	200.3
80°	320.0	286.9	253.2	220.2	206.3	191.9	178.1	163.6	163.0	162.4	161.2
82.5°	219.6	199.7	179.9	160.0	149.8	139.0	128.7	117.9	118.5	119.1	119.7
85°	125.1	117.9	111.3	104.1	95.6	87.8	79.4	71.0	72.8	74.6	75.8
87.5°	45.7	43.3	40.9	38.5	34.3	30.7	26.5	22.3	23.5	25.3	26.5
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: P368042
 CATALOG NUMBER: MSA-SA3C-830-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: P368042

CATALOG NUMBER: MSA-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1
2.5°	1515.9	1497.8	1479.8	1461.7	1443.7	1406.4	1369.7	1332.4	1295.1	1318.0	1341.4
5°	1619.9	1589.3	1558.0	1527.3	1496.0	1478.6	1461.1	1443.7	1426.2	1435.3	1444.9
7.5°	1283.1	1265.0	1246.4	1228.3	1209.7	1201.9	1194.7	1186.8	1179.0	1201.3	1223.5
10°	1136.9	1111.6	1086.4	1060.5	1035.2	1020.2	1005.2	990.1	975.1	981.1	987.1
12.5°	1144.1	1106.8	1069.5	1032.2	994.9	972.7	950.4	928.2	905.9	911.3	916.7
15°	1082.2	1043.7	1005.2	966.7	928.2	902.3	875.8	850.0	823.5	814.5	804.9
17.5°	955.2	913.1	871.0	828.9	786.8	769.4	751.9	734.5	717.0	707.4	697.8
20°	817.5	778.4	739.3	700.2	661.1	649.1	637.0	624.4	612.4	606.3	599.7
22.5°	741.7	717.6	693.0	668.9	644.2	630.4	617.2	603.3	589.5	582.9	575.7
25°	696.0	700.8	706.2	711.0	715.8	709.8	703.2	697.2	690.6	693.0	694.8
27.5°	685.1	695.4	706.2	716.4	726.7	732.1	737.5	742.9	748.3	750.1	751.9
30°	524.5	530.0	534.8	540.2	545.0	560.0	575.1	589.5	604.5	628.0	652.1
32.5°	457.8	456.0	454.2	451.8	449.9	453.6	457.2	460.2	463.8	472.2	481.2
35°	448.1	443.9	439.1	434.9	430.1	431.9	433.7	435.5	437.3	443.9	450.6
37.5°	440.9	439.1	437.9	436.1	434.3	438.5	442.1	446.3	449.9	455.4	460.8
40°	445.7	445.1	444.5	443.3	442.7	445.1	447.5	449.9	452.4	459.6	466.8
42.5°	455.4	455.4	454.8	454.8	454.2	456.6	458.4	460.8	462.6	466.8	471.0
45°	468.0	466.8	466.2	465.0	463.8	463.2	463.2	462.6	462.0	464.4	467.4
47.5°	483.0	478.8	474.0	469.8	465.0	463.8	462.0	460.8	459.0	460.2	461.4
50°	509.5	498.1	487.2	475.8	464.4	461.4	458.4	455.4	452.4	451.8	451.8
52.5°	529.4	512.5	495.7	478.8	462.0	456.6	451.2	445.7	440.3	439.1	438.5
55°	510.1	497.5	485.4	472.8	460.2	452.4	443.9	436.1	427.7	425.9	424.1
57.5°	492.7	484.8	477.0	469.2	461.4	453.6	445.1	437.3	428.9	424.7	420.5
60°	451.2	451.2	451.8	451.8	451.8	443.3	434.9	426.5	418.1	413.9	410.2
62.5°	408.4	415.1	421.1	427.7	433.7	422.3	410.2	398.8	386.8	383.8	381.4
65°	373.0	374.8	377.2	379.0	380.8	371.7	362.7	353.7	344.7	342.9	340.5
67.5°	336.9	336.3	335.7	334.5	333.9	328.4	322.4	317.0	311.0	308.6	306.2
70°	302.0	301.4	300.8	299.6	299.0	294.2	289.3	284.5	279.7	277.9	276.1
72.5°	268.9	268.3	267.1	266.5	265.3	261.1	257.5	253.2	249.0	246.6	244.2
75°	232.8	231.6	230.4	229.2	228.0	224.4	220.8	216.6	212.9	210.5	208.1
77.5°	199.1	197.3	195.5	193.1	191.3	188.3	184.7	181.7	178.1	175.0	172.6
80°	160.6	159.4	158.2	156.4	155.2	152.2	149.2	145.6	142.6	139.0	135.9
82.5°	120.3	119.7	118.5	117.9	116.7	113.7	110.7	107.7	104.7	101.1	97.4
85°	77.6	77.0	76.4	75.8	75.2	72.8	71.0	68.6	66.2	62.6	59.6
87.5°	27.7	26.5	25.9	24.7	23.5	22.9	21.7	21.1	19.9	18.0	16.2
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: P368042
 CATALOG NUMBER: MSA-SA3C-830-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: P368042

CATALOG NUMBER: MSA-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1
2.5°	1364.3	1387.1	1387.7	1387.7	1398.6	1408.8	1387.7	1366.7	1345.0	1324.0	1302.9
5°	1453.9	1462.9	1460.5	1457.5	1444.3	1431.1	1417.2	1403.4	1389.5	1375.7	1376.3
7.5°	1245.8	1268.0	1286.1	1303.5	1286.7	1269.8	1260.8	1251.8	1242.8	1233.8	1232.5
10°	992.5	998.6	1005.8	1012.4	1002.2	991.3	1009.4	1027.4	1044.9	1062.9	1043.1
12.5°	922.2	927.6	914.9	901.7	897.5	893.3	889.1	884.3	880.0	875.2	872.8
15°	795.8	786.2	776.6	766.4	764.0	760.9	757.9	754.3	751.3	747.7	736.9
17.5°	688.2	678.5	662.3	645.4	638.8	631.6	629.8	628.0	625.6	623.8	613.6
20°	593.7	587.1	582.9	578.1	571.5	564.8	558.2	551.6	544.4	537.8	528.1
22.5°	569.1	561.8	556.4	550.4	549.2	548.0	536.0	523.3	511.3	498.7	493.3
25°	697.2	699.0	665.9	632.2	629.2	626.2	604.5	582.3	560.6	538.4	519.7
27.5°	753.1	754.9	753.7	752.5	742.9	732.7	696.0	658.7	622.0	584.7	558.2
30°	675.5	699.0	708.0	717.0	710.4	703.2	664.7	626.8	588.3	549.8	532.4
32.5°	489.7	498.1	513.1	527.5	535.4	542.6	530.6	518.5	506.5	494.5	491.5
35°	456.6	463.2	466.2	469.2	464.4	459.6	450.6	441.5	431.9	422.9	421.1
37.5°	465.6	471.0	477.0	483.0	469.8	456.0	445.7	436.1	425.9	415.7	407.2
40°	474.0	481.2	484.8	488.4	475.2	462.0	449.3	437.3	424.7	412.1	403.6
42.5°	475.2	479.4	486.0	492.7	474.0	454.8	443.3	431.3	419.9	407.8	399.4
45°	469.8	472.2	478.2	484.2	462.6	440.3	430.1	419.3	409.0	398.2	391.0
47.5°	462.0	463.2	468.0	472.2	449.3	425.9	416.3	406.6	396.4	386.8	379.6
50°	451.2	450.6	454.2	457.2	433.7	410.2	400.6	391.6	382.0	372.4	366.3
52.5°	437.3	436.1	439.7	442.7	418.1	393.4	385.0	377.2	368.7	360.3	355.5
55°	421.7	419.9	422.9	425.9	401.8	377.2	369.9	362.1	354.9	347.1	342.9
57.5°	415.7	411.5	413.3	415.1	388.0	360.9	353.7	346.5	339.3	332.0	329.0
60°	406.0	401.8	403.6	404.8	376.0	346.5	339.9	332.6	326.0	318.8	315.8
62.5°	378.4	375.4	377.8	380.2	354.3	327.8	321.8	316.4	310.4	304.4	300.2
65°	338.7	336.3	341.1	345.9	323.6	301.4	297.8	294.2	289.9	286.3	282.1
67.5°	303.8	301.4	306.2	311.0	294.8	278.5	274.9	271.3	267.7	264.1	261.7
70°	274.3	272.5	276.7	280.9	267.1	253.2	249.6	246.6	243.0	239.4	237.6
72.5°	241.2	238.8	244.2	249.0	237.6	225.6	222.6	219.0	216.0	212.3	211.1
75°	205.7	203.3	208.1	212.3	204.5	196.1	193.1	190.1	187.1	184.1	183.5
77.5°	169.6	166.6	171.4	175.6	170.8	165.4	163.0	160.0	157.6	154.6	154.6
80°	132.3	128.7	132.3	135.3	133.5	131.7	129.9	127.5	125.7	123.3	123.9
82.5°	93.8	90.2	92.0	93.8	95.0	96.2	96.2	96.2	96.2	96.2	96.2
85°	55.9	52.3	52.9	53.5	55.3	57.1	57.7	58.3	59.0	59.6	60.2
87.5°	14.4	12.6	11.4	9.6	11.4	12.6	13.8	14.4	15.6	16.2	16.2
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: P368042
 CATALOG NUMBER: MSA-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368042
 CATALOG NUMBER: MSA-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1
2.5°	1281.9	1260.2	1239.2	1252.4	1265.0	1278.3	1290.9	1291.5	1291.5	1292.1	1292.1
5°	1377.5	1378.1	1378.7	1366.1	1354.1	1341.4	1328.8	1322.2	1315.6	1308.3	1301.7
7.5°	1230.7	1229.5	1227.7	1215.7	1203.7	1191.6	1179.6	1150.7	1121.3	1092.4	1062.9
10°	1022.6	1002.8	982.3	977.5	973.3	968.5	963.7	955.8	948.6	940.8	933.0
12.5°	870.4	868.0	865.6	853.0	840.3	827.1	814.5	814.5	814.5	814.5	814.5
15°	725.5	714.6	703.2	697.2	690.6	684.5	677.9	674.9	671.9	668.9	665.9
17.5°	602.7	592.5	581.7	580.5	579.3	578.1	576.9	573.9	570.9	567.9	564.8
20°	518.5	508.9	499.3	502.9	506.5	509.5	513.1	510.1	507.1	503.5	500.5
22.5°	487.2	481.8	475.8	472.8	469.8	466.2	463.2	463.2	463.8	463.8	463.8
25°	501.7	483.0	464.4	455.4	446.3	436.7	427.7	424.1	421.1	417.5	413.9
27.5°	531.8	504.7	478.2	462.6	446.9	431.3	415.7	409.0	401.8	395.2	388.0
30°	514.3	496.9	478.8	460.8	442.7	424.7	406.6	398.2	389.8	380.8	372.4
32.5°	488.4	484.8	481.8	465.0	448.1	430.7	413.9	410.2	407.2	403.6	400.0
35°	418.7	416.9	414.5	410.2	406.0	401.8	397.6	392.8	388.0	383.2	378.4
37.5°	399.4	391.0	382.6	380.8	379.0	377.2	375.4	373.6	371.7	369.3	367.5
40°	395.2	386.8	378.4	375.4	372.4	368.7	365.7	366.3	367.5	368.1	368.7
42.5°	390.4	382.0	373.0	370.5	368.1	365.7	363.3	363.9	365.1	365.7	366.3
45°	384.4	377.2	369.9	365.7	362.1	357.9	353.7	357.3	360.9	363.9	367.5
47.5°	372.4	364.5	357.3	354.9	352.5	349.5	347.1	350.7	354.3	357.3	360.9
50°	359.7	353.7	347.1	346.5	345.9	344.7	344.1	346.5	348.9	351.3	353.7
52.5°	350.1	345.3	339.9	339.9	339.3	339.3	338.7	341.1	343.5	345.3	347.7
55°	339.3	335.1	330.8	331.4	332.6	333.3	333.9	336.3	339.3	341.7	344.1
57.5°	325.4	322.4	318.8	321.2	323.0	325.4	327.2	329.0	331.4	333.3	335.1
60°	312.2	309.2	305.6	308.0	311.0	313.4	315.8	317.6	319.4	321.2	323.0
62.5°	296.0	291.1	286.9	290.5	293.5	297.2	300.2	301.4	303.2	304.4	305.6
65°	278.5	274.3	270.1	272.5	274.9	276.7	279.1	280.9	282.7	284.5	286.3
67.5°	258.7	256.3	253.2	255.1	256.9	258.7	260.5	261.1	261.1	261.7	261.7
70°	235.2	233.4	231.0	232.2	234.0	235.2	236.4	236.4	236.4	235.8	235.8
72.5°	210.5	209.3	208.1	208.7	209.9	210.5	211.1	210.5	209.9	209.3	208.7
75°	182.9	182.3	181.7	182.3	183.5	184.1	184.7	184.1	182.9	182.3	181.1
77.5°	155.2	155.2	155.2	155.2	155.8	155.8	155.8	154.6	153.4	152.2	151.0
80°	124.5	125.1	125.7	125.7	125.7	125.7	125.7	124.5	123.3	121.5	120.3
82.5°	96.2	96.2	96.2	96.2	96.8	96.8	96.8	93.8	91.4	88.4	85.4
85°	60.2	60.8	60.8	61.4	62.0	62.0	62.6	58.3	54.7	50.5	46.3
87.5°	16.2	16.2	16.2	16.2	16.2	15.6	15.6	12.0	7.8	4.2	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: P368042
 CATALOG NUMBER: MSA-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368042

CATALOG NUMBER: MSA-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1
2.5°	1295.7	1299.3	1302.3	1305.9	1306.5	1307.1	1307.1	1307.7	1295.1	1282.5	1269.2
5°	1310.7	1319.2	1328.2	1336.6	1334.8	1333.0	1331.2	1329.4	1325.8	1322.8	1319.2
7.5°	1056.3	1050.3	1043.7	1037.0	1042.5	1047.9	1053.3	1058.7	1061.1	1063.5	1065.3
10°	917.9	902.9	887.9	872.8	864.4	855.4	847.0	837.9	836.7	836.1	834.9
12.5°	798.8	782.6	767.0	750.7	745.9	740.5	735.7	730.3	735.1	739.9	744.1
15°	659.3	653.3	646.7	640.0	645.4	650.9	656.3	661.7	666.5	670.7	675.5
17.5°	561.8	559.4	556.4	553.4	558.2	563.6	568.5	573.3	584.1	594.9	605.7
20°	498.1	496.3	493.9	491.5	489.7	487.2	485.4	483.0	498.7	513.7	529.4
22.5°	460.2	456.6	453.0	449.3	449.9	450.6	450.6	451.2	463.8	477.0	489.7
25°	412.7	411.5	410.2	409.0	412.7	416.3	419.3	422.9	434.3	445.7	456.6
27.5°	388.6	389.2	389.8	390.4	395.2	400.6	405.4	410.2	418.1	425.9	433.7
30°	375.4	379.0	382.0	385.0	386.8	388.6	390.4	392.2	400.0	407.2	415.1
32.5°	395.2	390.4	385.0	380.2	382.6	385.6	388.0	390.4	397.6	404.8	412.1
35°	376.6	374.2	372.4	369.9	373.0	376.0	378.4	381.4	388.0	394.0	400.6
37.5°	366.9	366.3	365.7	365.1	366.9	368.7	369.9	371.7	377.8	383.8	389.2
40°	366.3	363.3	360.9	357.9	359.7	361.5	362.7	364.5	371.7	379.0	386.2
42.5°	362.7	359.1	354.9	351.3	353.1	355.5	357.3	359.1	366.9	374.2	382.0
45°	362.1	356.7	350.7	345.3	347.7	350.1	352.5	354.9	360.9	366.9	372.4
47.5°	355.5	350.1	344.7	339.3	340.5	341.7	342.3	343.5	348.9	353.7	359.1
50°	350.1	345.9	342.3	338.1	336.3	335.1	333.3	331.4	335.7	339.9	344.1
52.5°	343.5	339.3	334.5	330.2	327.8	325.4	323.0	320.6	324.2	327.2	330.8
55°	339.3	333.9	329.0	323.6	320.6	317.6	314.6	311.6	314.0	315.8	318.2
57.5°	330.2	325.4	320.0	315.2	311.6	308.0	303.8	300.2	301.4	302.6	303.8
60°	318.2	312.8	308.0	302.6	298.4	294.2	289.3	285.1	285.7	286.9	287.5
62.5°	300.8	296.0	290.5	285.7	280.9	276.7	271.9	267.1	268.3	268.9	270.1
65°	281.5	276.1	271.3	265.9	261.7	257.5	252.6	248.4	249.6	250.8	251.4
67.5°	258.1	253.8	250.2	246.0	242.4	238.2	234.6	230.4	231.0	231.6	232.2
70°	232.8	229.2	226.2	222.6	219.6	216.6	213.5	210.5	210.5	211.1	211.1
72.5°	205.7	202.7	199.7	196.7	193.7	191.3	188.3	185.3	186.5	187.7	188.3
75°	178.1	175.6	172.6	169.6	167.2	164.8	161.8	159.4	160.6	161.8	162.4
77.5°	149.2	147.4	145.0	143.2	140.8	138.4	135.3	132.9	134.1	135.3	135.9
80°	119.1	117.9	116.1	114.9	112.5	110.1	107.7	105.3	105.9	105.9	106.5
82.5°	86.0	86.6	86.6	87.2	85.4	83.0	81.2	78.8	78.8	78.8	78.2
85°	48.1	50.5	52.3	54.1	52.3	50.5	48.7	46.9	46.3	46.3	45.7
87.5°	1.8	3.0	4.8	6.0	5.4	4.8	3.6	3.0	3.6	4.2	4.2
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: P368042
 CATALOG NUMBER: MSA-SA3C-830-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: P368042
 CATALOG NUMBER: MSA-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1
2.5°	1256.6	1266.8	1277.1	1287.3	1297.5	1313.2	1328.8	1345.0	1361.3	1352.3	1342.6
5°	1315.6	1321.6	1328.2	1334.2	1340.2	1357.7	1374.5	1395.6	1416.0	1413.6	1410.6
7.5°	1067.7	1076.1	1084.6	1092.4	1100.8	1127.3	1153.7	1176.0	1198.3	1195.3	1191.6
10°	833.7	851.2	869.2	886.7	904.1	925.8	946.8	965.5	984.1	1015.4	1046.1
12.5°	748.9	776.0	803.1	830.1	857.2	872.8	887.9	911.9	936.0	952.8	970.3
15°	679.7	705.0	730.3	755.5	780.8	782.0	783.2	808.5	833.7	848.2	862.0
17.5°	616.6	630.4	644.2	657.5	671.3	666.5	661.7	673.7	685.1	691.2	697.8
20°	544.4	554.0	563.6	573.3	582.9	589.5	595.5	602.7	609.4	603.3	596.7
22.5°	502.3	516.7	531.8	546.2	560.6	564.8	568.5	564.2	560.0	558.2	556.4
25°	468.0	485.4	503.5	520.9	538.4	546.8	555.2	558.8	561.8	555.2	548.6
27.5°	441.5	462.6	483.0	504.1	524.5	539.6	554.6	558.8	562.4	557.6	552.2
30°	422.3	445.1	468.0	490.9	513.7	536.6	558.8	578.7	597.9	596.1	594.3
32.5°	419.3	434.9	450.6	466.2	481.8	496.3	510.1	511.3	511.9	507.1	501.7
35°	406.6	416.9	427.1	437.3	447.5	456.6	465.0	463.8	462.6	457.8	453.0
37.5°	395.2	405.4	416.3	426.5	436.7	452.4	467.4	464.4	460.8	456.0	451.2
40°	393.4	404.8	416.3	427.1	438.5	453.0	467.4	464.4	461.4	455.4	449.3
42.5°	389.2	400.6	411.5	422.9	433.7	451.2	468.0	462.6	456.6	451.8	446.9
45°	378.4	388.6	398.8	409.0	419.3	437.9	456.6	449.9	443.3	441.5	439.1
47.5°	363.9	374.2	384.4	394.6	404.8	423.5	441.5	436.1	430.1	429.5	428.3
50°	348.3	357.9	368.1	377.8	387.4	406.0	424.1	419.3	414.5	415.1	415.1
52.5°	333.9	342.9	351.3	360.3	368.7	387.4	405.4	401.8	397.6	398.8	399.4
55°	320.0	327.2	334.5	341.7	348.9	366.9	385.0	379.6	374.2	376.0	377.8
57.5°	305.0	311.0	317.0	322.4	328.4	346.5	363.9	357.9	351.3	354.3	356.7
60°	288.1	293.5	299.0	303.8	309.2	325.4	341.1	335.7	329.6	333.9	337.5
62.5°	270.7	274.9	279.1	283.3	287.5	302.6	317.6	313.4	309.2	314.0	318.2
65°	252.6	255.7	259.3	262.3	265.3	279.7	293.5	290.5	287.5	291.7	296.0
67.5°	232.8	235.2	238.2	240.6	243.0	256.3	269.5	266.5	262.9	266.5	269.5
70°	211.1	213.5	215.4	217.8	219.6	231.6	243.6	239.4	234.6	238.2	241.2
72.5°	189.5	190.7	192.5	193.7	194.9	203.9	212.9	209.3	205.7	209.3	212.3
75°	163.6	164.8	166.0	167.2	168.4	176.3	183.5	179.3	174.4	178.1	181.7
77.5°	137.2	137.8	139.0	139.6	140.2	145.6	150.4	146.2	141.4	145.6	149.8
80°	106.5	107.1	107.7	107.7	108.3	110.1	111.9	108.9	105.3	110.7	116.1
82.5°	78.2	77.6	77.6	77.0	76.4	76.4	75.8	74.0	71.6	76.4	81.2
85°	45.1	44.5	43.3	42.7	41.5	39.7	37.9	37.3	36.7	40.9	45.1
87.5°	4.8	4.2	3.0	2.4	1.2	0.6	0.0	0.0	0.0	2.4	5.4
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: P368042
 CATALOG NUMBER: MSA-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368042

CATALOG NUMBER: MSA-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1
2.5°	1333.6	1324.0	1315.0	1305.9	1296.9	1287.9	1304.7	1321.6	1338.4	1355.3	1370.3
5°	1408.2	1405.2	1397.4	1390.2	1382.3	1374.5	1378.7	1383.5	1387.7	1392.0	1401.0
7.5°	1188.6	1185.0	1201.9	1218.1	1235.0	1251.2	1255.4	1259.0	1263.2	1266.8	1264.4
10°	1077.4	1108.0	1115.8	1123.1	1130.9	1138.1	1150.1	1162.2	1173.6	1185.6	1192.2
12.5°	987.1	1004.0	1031.6	1059.9	1087.6	1115.2	1133.3	1151.3	1169.4	1187.4	1224.7
15°	876.4	890.3	911.3	932.4	953.4	974.5	1000.4	1026.8	1052.7	1078.6	1119.5
17.5°	703.8	709.8	725.5	741.1	756.1	771.8	806.7	840.9	875.8	910.1	957.0
20°	590.7	584.1	584.1	584.7	584.7	584.7	619.6	653.9	688.8	723.0	785.0
22.5°	554.0	552.2	545.6	538.4	531.8	524.5	542.6	561.2	579.3	597.3	647.9
25°	541.4	534.8	526.3	517.9	509.5	501.1	512.5	523.9	535.4	546.8	586.5
27.5°	547.4	542.0	546.2	549.8	554.0	557.6	561.2	564.8	568.5	572.1	585.9
30°	592.5	590.7	597.3	603.3	610.0	616.0	607.6	599.7	591.3	582.9	587.7
32.5°	496.9	491.5	489.0	486.6	484.2	481.8	481.2	480.6	479.4	478.8	489.7
35°	448.1	443.3	439.7	436.1	431.9	428.3	430.1	431.3	433.1	434.3	446.3
37.5°	446.3	441.5	437.3	433.1	428.3	424.1	425.9	428.3	430.1	431.9	440.9
40°	443.3	437.3	434.9	432.5	430.1	427.7	428.9	430.1	430.7	431.9	438.5
42.5°	441.5	436.7	435.5	434.3	433.1	431.9	433.1	434.3	434.9	436.1	443.9
45°	437.3	434.9	436.1	437.3	438.5	439.7	439.7	439.7	439.7	439.7	448.1
47.5°	427.7	426.5	430.1	433.7	437.3	440.9	446.9	453.0	458.4	464.4	466.2
50°	415.7	415.7	421.7	427.7	433.1	439.1	453.6	467.4	481.8	495.7	486.6
52.5°	400.6	401.2	410.2	418.7	427.7	436.1	449.3	462.6	475.2	488.4	475.2
55°	379.0	380.8	392.2	403.0	414.5	425.3	435.5	445.7	456.0	466.2	452.4
57.5°	359.7	362.1	374.2	385.6	397.6	409.0	415.1	421.7	427.7	433.7	424.7
60°	341.7	345.3	360.9	376.6	391.6	407.2	402.4	397.6	392.2	387.4	386.8
62.5°	323.0	327.2	341.7	356.1	369.9	384.4	377.2	369.9	362.1	354.9	357.9
65°	299.6	303.8	310.4	317.0	323.0	329.6	329.0	329.0	328.4	327.8	333.9
67.5°	273.1	276.1	280.3	283.9	288.1	291.7	294.2	297.2	299.6	302.0	309.2
70°	244.8	247.8	252.0	255.7	259.9	263.5	266.5	269.5	271.9	274.9	282.1
72.5°	216.0	219.0	223.2	227.4	231.0	235.2	237.6	240.0	241.8	244.2	250.2
75°	185.3	188.9	193.1	196.7	200.9	204.5	206.3	208.1	209.9	211.7	217.2
77.5°	154.0	158.2	162.4	166.6	170.8	175.0	175.6	176.3	176.9	177.5	182.3
80°	120.9	126.3	130.5	134.7	139.0	143.2	143.2	143.2	143.2	143.2	145.6
82.5°	86.0	90.8	95.6	99.9	104.7	108.9	108.9	108.3	108.3	107.7	107.7
85°	49.3	53.5	56.5	60.2	63.2	66.2	66.2	66.2	65.6	65.6	64.4
87.5°	7.8	10.2	11.4	13.2	14.4	15.6	15.0	15.0	14.4	13.8	12.0
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: P368042
 CATALOG NUMBER: MSA-SA3C-830-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: P368042

CATALOG NUMBER: MSA-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1
2.5°	1385.3	1400.4	1415.4	1413.0	1410.6	1408.2	1405.8	1414.8	1423.2	1432.3	1440.7
5°	1409.4	1418.4	1426.8	1433.5	1440.1	1446.7	1453.3	1484.0	1514.1	1544.7	1574.8
7.5°	1262.0	1259.0	1256.6	1284.9	1313.8	1342.0	1370.3	1409.4	1448.5	1487.6	1526.7
10°	1198.9	1205.5	1212.1	1223.5	1235.6	1247.0	1258.4	1296.9	1335.4	1373.9	1412.4
12.5°	1261.4	1298.7	1335.4	1344.4	1354.1	1363.1	1372.1	1379.9	1387.7	1395.0	1402.8
15°	1160.4	1201.3	1242.2	1265.6	1289.1	1312.0	1335.4	1394.4	1452.7	1511.7	1570.0
17.5°	1003.4	1050.3	1096.6	1154.3	1212.1	1269.8	1327.6	1381.7	1435.9	1489.4	1543.5
20°	847.0	908.3	970.3	1033.4	1096.0	1159.2	1221.7	1274.7	1327.6	1379.9	1432.9
22.5°	697.8	748.3	798.2	875.2	951.6	1028.6	1105.0	1203.7	1301.7	1400.4	1498.4
25°	625.6	665.3	704.4	783.8	863.2	942.0	1021.4	1149.5	1277.1	1405.2	1532.7
27.5°	600.3	614.2	628.0	700.2	771.8	844.0	915.5	1053.9	1192.2	1330.0	1468.4
30°	592.5	597.3	602.1	658.7	715.2	771.8	828.3	964.9	1102.0	1238.6	1375.1
32.5°	499.9	510.7	520.9	576.3	631.0	686.4	741.1	878.8	1016.0	1153.7	1290.9
35°	458.4	470.4	482.4	536.6	590.7	644.2	698.4	843.4	988.9	1133.9	1278.9
37.5°	449.9	459.0	468.0	529.4	590.7	652.1	713.4	860.2	1007.0	1153.7	1300.5
40°	445.7	452.4	459.0	518.5	578.7	638.2	697.8	851.8	1005.2	1159.2	1312.6
42.5°	451.2	459.0	466.2	520.3	573.9	628.0	681.5	840.9	999.8	1159.2	1318.0
45°	456.0	464.4	472.2	522.7	573.3	623.8	674.3	844.6	1014.2	1184.4	1354.1
47.5°	467.4	469.2	470.4	514.3	557.6	601.5	644.8	818.1	991.3	1164.0	1337.2
50°	477.0	468.0	458.4	504.1	549.2	594.9	640.0	804.3	968.5	1132.1	1296.3
52.5°	462.0	448.1	434.9	484.2	533.6	582.3	631.6	795.8	960.7	1124.9	1289.1
55°	439.1	425.3	411.5	461.4	511.3	561.2	611.2	774.8	939.0	1102.6	1266.2
57.5°	416.3	407.2	398.2	439.1	480.6	521.5	562.4	739.9	916.7	1094.2	1271.0
60°	386.2	385.0	384.4	416.3	448.7	480.6	512.5	686.4	859.6	1033.4	1206.7
62.5°	360.3	363.3	365.7	391.6	417.5	442.7	468.6	636.4	804.9	972.7	1140.5
65°	340.5	346.5	352.5	382.0	411.5	440.3	469.8	610.6	751.3	892.1	1032.8
67.5°	316.4	323.6	330.8	369.3	407.8	446.3	484.8	600.9	717.0	833.1	949.2
70°	288.7	296.0	302.6	351.9	400.6	449.9	498.7	601.5	705.0	807.9	910.7
72.5°	256.3	262.3	268.3	321.2	374.2	427.1	480.0	567.2	654.5	741.1	828.3
75°	223.2	228.6	234.0	279.7	325.4	371.1	416.9	484.2	551.0	618.4	685.1
77.5°	186.5	191.3	195.5	226.2	256.9	287.5	318.2	369.9	421.1	472.8	523.9
80°	148.0	150.4	152.8	170.8	188.3	206.3	223.8	258.1	292.3	326.0	360.3
82.5°	108.3	108.3	108.3	119.7	131.7	143.2	154.6	172.0	188.9	206.3	223.2
85°	63.2	61.4	60.2	68.0	75.8	83.6	91.4	98.7	105.9	113.1	120.3
87.5°	10.2	7.8	6.0	10.8	15.6	20.5	25.3	27.7	30.7	33.1	35.5
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: P368042
 CATALOG NUMBER: MSA-SA3C-830-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: P368042

CATALOG NUMBER: MSA-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1
2.5°	1420.2	1400.4	1379.9	1359.5	1389.5	1419.6	1449.7	1479.8	1559.8	1607.3	1610.3
5°	1600.1	1625.4	1650.6	1675.9	1701.1	1726.4	1751.1	1776.3	1906.3	1986.3	2001.3
7.5°	1568.2	1610.3	1651.8	1693.3	1764.9	1836.5	1908.1	1979.7	2089.7	2169.1	2221.5
10°	1464.1	1515.9	1567.6	1619.3	1704.2	1789.6	1874.4	1959.2	2075.9	2180.6	2230.5
12.5°	1485.2	1567.6	1649.4	1731.8	1805.2	1879.2	1952.6	2026.0	2106.6	2146.3	2237.1
15°	1627.2	1684.3	1741.4	1798.6	1909.3	2019.4	2130.0	2240.1	2285.8	2376.7	2458.5
17.5°	1648.8	1753.5	1858.7	1963.4	2098.8	2234.1	2369.5	2504.8	2589.6	2706.9	2805.6
20°	1581.4	1729.4	1878.0	2026.0	2200.4	2375.5	2549.9	2724.4	2832.0	2930.7	3083.5
22.5°	1662.0	1825.7	1988.7	2152.3	2383.9	2614.9	2846.5	3077.5	3302.4	3522.6	3626.1
25°	1751.1	1970.0	2188.4	2406.7	2696.1	2984.8	3274.2	3562.9	3852.2	4058.6	4177.7
27.5°	1688.5	1908.1	2128.2	2347.8	2705.7	3064.2	3422.1	3780.1	4089.8	4338.3	4440.5
30°	1644.6	1914.1	2183.6	2453.1	2872.9	3292.8	3712.7	4132.6	4418.9	4696.2	4846.6
32.5°	1636.8	1982.7	2327.9	2673.8	3162.9	3651.3	4140.4	4628.8	4818.9	5064.9	5267.7
35°	1658.4	2038.6	2418.2	2797.7	3358.4	3919.0	4479.0	5039.7	5309.8	5553.4	5730.8
37.5°	1724.6	2148.7	2572.2	2996.3	3671.8	4347.9	5023.4	5699.0	6151.9	6597.7	6677.1
40°	1761.9	2211.8	2661.2	3110.5	3896.2	4681.8	5467.4	6253.0	6773.9	7262.9	7296.0
42.5°	1805.8	2293.7	2780.9	3268.7	4139.8	5011.4	5882.4	6753.4	7398.3	7924.0	7939.7
45°	1856.3	2358.0	2860.3	3362.0	4271.5	5180.4	6090.0	6998.9	7778.5	8417.3	8261.5
47.5°	1876.2	2415.8	2954.7	3493.7	4463.4	5432.5	6402.2	7371.2	8070.8	8651.9	8502.7
50°	1884.0	2472.3	3060.0	3647.7	4652.3	5657.4	6662.0	7666.6	8378.2	8944.8	8716.3
52.5°	1932.7	2576.4	3220.0	3863.7	4910.3	5957.0	7003.7	8050.4	8750.5	9294.9	9011.0
55°	1998.3	2730.4	3461.8	4193.9	5277.3	6360.0	7443.4	8526.2	9228.8	9735.3	9383.4
57.5°	2059.1	2847.7	3635.7	4423.7	5546.2	6669.2	7791.7	8914.2	9625.8	10126.9	9785.8
60°	2029.6	2852.5	3675.4	4498.3	5601.5	6704.1	7807.3	8910.0	9717.8	10318.8	10144.3
62.5°	1940.6	2740.6	3540.0	4340.1	5387.4	6434.0	7481.3	8528.0	9473.6	10244.2	10236.3
65°	1769.1	2505.4	3241.1	3977.4	4946.4	5916.1	6885.2	7854.3	8968.9	9904.9	9965.7
67.5°	1560.4	2171.5	2782.7	3393.9	4306.4	5218.9	6131.5	7044.0	8235.6	9268.5	9320.8
70°	1358.3	1806.4	2254.0	2701.5	3502.7	4304.0	5104.6	5905.9	7109.6	8154.4	8202.5
72.5°	1121.3	1414.2	1706.6	1999.5	2648.6	3297.6	3946.1	4595.1	5652.0	6455.7	6727.0
75°	859.0	1032.8	1206.7	1380.5	1905.7	2430.8	2955.3	3480.5	4183.1	4776.2	5081.8
77.5°	614.2	704.4	794.6	884.9	1331.2	1777.5	2223.3	2669.6	3039.0	3375.2	3581.5
80°	403.0	445.1	487.8	530.0	901.1	1272.2	1642.8	2013.9	2238.9	2419.4	2523.4
82.5°	244.2	265.3	285.7	306.8	607.6	908.3	1208.5	1509.3	1638.0	1724.0	1816.6
85°	131.7	143.2	154.6	166.0	359.1	551.6	744.7	937.2	949.8	960.1	1097.8
87.5°	38.5	42.1	45.1	48.1	79.4	111.3	142.6	173.8	108.3	67.4	138.4
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: P368042
 CATALOG NUMBER: MSA-SA3C-830-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: P368042

CATALOG NUMBER: MSA-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1
2.5°	1592.9	1585.0	1577.2	1568.8	1561.0	1527.9	1495.4	1462.3	1429.3	1461.1	1492.4
5°	1983.9	2007.9	2031.4	2055.4	2079.5	2081.3	2082.5	2084.3	2085.5	2091.5	2097.6
7.5°	2265.4	2308.1	2350.2	2392.9	2435.6	2468.7	2501.8	2535.5	2568.6	2538.5	2508.4
10°	2289.4	2379.7	2469.9	2560.1	2650.4	2666.6	2682.3	2698.5	2714.7	2736.4	2757.4
12.5°	2313.5	2423.6	2533.1	2643.2	2753.2	2801.4	2848.9	2897.0	2944.5	2968.0	2990.8
15°	2568.0	2632.9	2697.3	2762.3	2826.6	2859.7	2892.2	2925.3	2958.4	2978.2	2997.5
17.5°	2895.2	2919.3	2942.7	2966.8	2990.8	3013.1	3035.4	3057.6	3079.9	3083.5	3087.1
20°	3193.6	3198.4	3202.6	3207.4	3211.6	3164.7	3118.4	3071.4	3024.5	3032.9	3040.8
22.5°	3641.1	3614.6	3588.8	3562.3	3536.4	3448.0	3360.2	3271.8	3183.9	3146.0	3108.7
25°	4314.8	4247.4	4180.1	4112.7	4045.3	3904.6	3764.4	3623.7	3483.5	3401.1	3319.3
27.5°	4532.0	4385.2	4239.0	4092.3	3945.5	3839.0	3733.1	3626.7	3520.8	3390.3	3259.7
30°	4971.1	4739.5	4508.5	4276.9	4045.3	3942.5	3839.6	3736.1	3633.3	3499.7	3366.8
32.5°	5360.3	5119.7	4879.1	4637.8	4397.2	4202.3	4007.4	3812.5	3617.6	3527.4	3437.2
35°	5810.8	5508.3	5205.7	4903.1	4600.5	4433.3	4266.7	4099.5	3932.8	3796.3	3660.3
37.5°	6467.1	6145.3	5823.5	5501.0	5179.2	4953.1	4727.5	4501.3	4275.7	4200.5	4125.9
40°	7092.7	6712.5	6333.0	5952.8	5573.2	5400.0	5226.7	5052.9	4879.7	4752.7	4625.8
42.5°	7616.7	7240.7	6865.3	6489.4	6114.0	5987.7	5862.0	5735.6	5609.9	5505.3	5400.6
45°	7796.5	7489.7	7183.5	6876.8	6570.0	6525.5	6481.6	6437.0	6393.1	6315.5	6237.9
47.5°	8085.9	7773.1	7460.9	7148.1	6835.3	6851.5	6867.7	6884.6	6900.8	6905.0	6908.6
50°	8256.1	7958.9	7662.4	7365.2	7068.7	7147.5	7225.7	7304.5	7383.3	7561.9	7740.0
52.5°	8504.5	8212.8	7921.6	7629.9	7338.1	7471.7	7604.6	7738.2	7871.1	8121.3	8371.6
55°	8816.1	8537.0	8258.5	7979.4	7700.9	7830.8	7960.1	8090.1	8219.4	8497.9	8776.4
57.5°	9229.4	8930.4	8632.0	8333.1	8034.7	8154.4	8273.5	8393.2	8512.3	8777.0	9041.7
60°	9699.8	9374.9	9050.1	8724.7	8399.9	8432.9	8465.4	8498.5	8531.0	8817.9	9104.3
62.5°	9930.8	9630.0	9329.8	9029.1	8728.3	8636.3	8544.2	8451.6	8359.6	8616.4	8872.7
65°	9730.5	9523.5	9317.2	9110.3	8903.3	8740.9	8579.1	8416.7	8254.3	8414.9	8574.9
67.5°	9092.8	8975.5	8858.8	8741.5	8624.2	8351.7	8079.2	7806.1	7533.6	7544.5	7554.7
70°	8059.4	8028.1	7997.4	7966.1	7934.9	7525.2	7116.2	6706.5	6296.9	6234.3	6171.8
72.5°	6749.8	6770.3	6790.1	6810.6	6831.0	6390.7	5950.4	5510.1	5069.7	4965.7	4861.6
75°	5228.0	5341.0	5454.1	5567.8	5680.9	5259.8	4838.8	4417.1	3996.0	3867.9	3739.8
77.5°	3694.0	3905.2	4115.7	4326.9	4538.0	4157.2	3777.0	3396.3	3015.5	2932.5	2849.5
80°	2575.8	2679.2	2782.7	2886.2	2989.6	2798.3	2607.1	2415.8	2224.5	2247.3	2269.6
82.5°	1876.2	1900.3	1923.7	1947.8	1971.8	1893.6	1815.4	1736.6	1658.4	1718.0	1777.5
85°	1201.9	1287.9	1373.3	1459.3	1544.7	1458.1	1371.5	1284.3	1197.7	1237.4	1277.1
87.5°	268.9	425.3	581.7	738.7	895.1	810.9	727.3	643.0	558.8	520.9	483.6
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: P368042
 CATALOG NUMBER: MSA-SA3C-830-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: P368042

CATALOG NUMBER: MSA-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1
2.5°	1524.3	1556.2	1546.5	1537.5	1527.9	1518.3	1535.7	1553.2	1571.2	1588.7	1582.6
5°	2104.2	2110.2	2053.0	1996.5	1939.4	1882.2	1917.7	1953.2	1988.7	2024.2	2011.5
7.5°	2478.3	2448.3	2415.2	2382.1	2348.4	2315.3	2308.1	2300.9	2293.1	2285.8	2276.2
10°	2779.1	2800.2	2778.5	2757.4	2735.8	2714.1	2663.6	2613.1	2561.9	2511.4	2490.4
12.5°	3014.3	3037.8	3043.2	3048.0	3053.4	3058.8	3002.3	2946.3	2889.8	2833.2	2782.1
15°	3017.3	3037.2	3054.6	3071.4	3088.9	3105.7	3070.8	3036.6	3001.7	2966.8	2950.5
17.5°	3091.3	3094.9	3080.5	3066.6	3052.2	3038.4	3024.5	3011.3	2997.5	2984.2	2958.4
20°	3049.2	3057.6	3055.8	3054.0	3051.6	3049.8	3051.0	3051.6	3052.8	3053.4	3039.0
22.5°	3070.8	3032.9	3040.8	3048.0	3055.8	3063.0	3084.7	3106.3	3128.6	3150.2	3208.0
25°	3236.9	3154.5	3141.8	3129.8	3117.2	3105.1	3161.7	3217.6	3274.2	3330.7	3424.5
27.5°	3128.6	2998.1	2969.2	2940.3	2911.4	2882.6	2968.6	3054.0	3140.0	3226.0	3321.7
30°	3233.3	3100.3	3036.6	2972.8	2908.4	2844.7	2927.1	3008.9	3091.3	3173.1	3279.0
32.5°	3346.9	3256.7	3214.0	3171.9	3129.2	3087.1	3093.7	3100.3	3106.9	3113.6	3262.7
35°	3523.8	3387.3	3345.1	3303.0	3260.9	3218.8	3289.2	3359.0	3429.4	3499.1	3625.5
37.5°	4050.7	3975.6	3899.8	3824.0	3747.6	3671.8	3713.3	3754.8	3796.3	3837.8	3956.9
40°	4498.9	4372.0	4359.3	4347.3	4334.7	4322.0	4325.6	4328.7	4332.3	4335.9	4437.5
42.5°	5295.3	5190.7	5126.3	5061.9	4997.6	4933.2	4929.0	4924.8	4920.0	4915.8	4992.2
45°	6159.7	6082.1	6034.0	5985.9	5937.2	5889.0	5812.6	5736.3	5659.3	5582.9	5649.6
47.5°	6912.9	6917.1	7004.3	7090.9	7178.1	7265.4	7134.8	7004.3	6873.8	6743.2	6657.2
50°	7918.6	8096.7	8117.7	8138.2	8159.2	8180.3	7958.9	7738.2	7516.8	7295.4	7205.2
52.5°	8622.4	8872.7	8840.2	8808.3	8775.8	8743.3	8615.2	8487.7	8359.6	8231.4	8034.7
55°	9055.5	9334.0	9309.4	9285.3	9260.7	9236.0	9142.8	9049.5	8956.3	8863.0	8647.1
57.5°	9306.4	9571.0	9578.3	9585.5	9592.7	9599.9	9575.3	9550.6	9525.9	9501.3	9220.3
60°	9391.2	9678.1	9681.1	9683.5	9686.5	9688.9	9649.8	9610.7	9571.0	9531.9	9348.5
62.5°	9129.5	9385.8	9397.2	9408.0	9419.5	9430.9	9403.8	9376.7	9349.7	9322.6	9186.7
65°	8735.5	8896.1	8899.1	8901.5	8904.5	8907.6	8839.0	8771.0	8702.4	8633.9	8601.4
67.5°	7565.5	7576.4	7640.1	7703.9	7767.6	7831.4	7836.8	7842.2	7848.2	7853.7	7806.7
70°	6109.2	6046.6	6115.8	6185.0	6254.2	6323.3	6352.8	6382.3	6412.4	6441.9	6463.5
72.5°	4756.9	4652.9	4704.0	4755.1	4806.9	4858.0	4814.1	4770.2	4726.3	4682.4	4821.3
75°	3611.6	3483.5	3476.9	3470.9	3464.2	3458.2	3436.0	3413.7	3390.9	3368.6	3498.5
77.5°	2765.9	2682.9	2687.1	2690.7	2694.9	2698.5	2675.6	2653.4	2630.5	2607.7	2657.6
80°	2292.5	2314.7	2315.3	2315.9	2316.5	2317.1	2295.5	2274.4	2252.8	2231.1	2195.0
82.5°	1837.7	1897.2	1896.6	1896.6	1896.0	1895.4	1894.2	1893.0	1891.2	1890.0	1831.1
85°	1316.8	1356.5	1315.6	1274.7	1233.8	1192.8	1222.9	1253.0	1283.7	1313.8	1289.1
87.5°	445.7	408.4	359.7	311.6	262.9	214.1	266.5	318.8	371.7	424.1	454.2
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: P368042
 CATALOG NUMBER: MSA-SA3C-830-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: P368042

CATALOG NUMBER: MSA-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1
2.5°	1577.2	1571.2	1565.8	1527.9	1489.4	1451.5	1413.0	1482.8	1553.2	1622.9	1692.7
5°	1999.5	1986.9	1974.8	1971.8	1968.8	1965.2	1962.2	1997.7	2033.2	2068.1	2103.6
7.5°	2266.6	2257.0	2247.3	2222.1	2197.4	2172.1	2146.9	2168.5	2189.6	2211.2	2232.3
10°	2469.9	2448.9	2427.8	2373.1	2318.9	2264.2	2209.4	2193.2	2177.0	2160.7	2144.5
12.5°	2731.0	2679.2	2628.1	2566.2	2503.6	2441.6	2379.1	2370.7	2362.2	2354.4	2346.0
15°	2934.9	2918.7	2902.4	2853.1	2803.8	2754.4	2705.1	2638.9	2572.2	2506.0	2439.8
17.5°	2933.1	2907.2	2882.0	2948.1	3013.7	3079.9	3145.4	3075.1	3004.1	2933.7	2863.3
20°	3024.5	3009.5	2995.0	3117.2	3238.7	3360.8	3482.3	3443.8	3404.7	3366.2	3327.1
22.5°	3265.1	3322.9	3380.0	3484.7	3588.8	3693.4	3797.5	3841.4	3885.3	3929.2	3973.1
25°	3517.8	3611.6	3705.5	3861.3	4016.5	4172.3	4328.1	4359.3	4390.6	4421.9	4453.2
27.5°	3416.7	3512.4	3608.0	3725.9	3843.2	3961.1	4078.4	4215.6	4353.3	4490.5	4627.6
30°	3384.2	3490.1	3595.4	3757.2	3918.4	4080.2	4242.0	4430.9	4619.8	4808.1	4997.0
32.5°	3411.3	3560.5	3709.7	3928.6	4147.0	4366.0	4584.9	4783.4	4982.5	5181.0	5379.5
35°	3751.2	3877.5	4003.2	4248.0	4492.9	4737.7	4982.5	5215.3	5448.1	5680.3	5913.1
37.5°	4075.4	4194.5	4313.6	4563.9	4813.5	5063.7	5314.0	5681.5	6049.7	6417.2	6784.7
40°	4538.6	4640.3	4741.3	4955.5	5169.6	5383.8	5597.9	6041.2	6484.6	6927.9	7371.2
42.5°	5067.9	5144.3	5220.1	5442.1	5664.1	5886.0	6108.0	6590.4	7073.5	7555.9	8038.3
45°	5715.8	5782.6	5849.3	6002.1	6154.9	6308.3	6461.1	6958.6	7456.0	7953.5	8451.0
47.5°	6571.2	6485.2	6399.1	6474.3	6549.5	6624.7	6699.9	7192.0	7684.0	8175.5	8667.5
50°	7115.0	7024.7	6934.5	6941.1	6947.1	6953.8	6960.4	7419.3	7878.3	8336.7	8795.7
52.5°	7838.0	7640.7	7444.0	7442.2	7440.4	7438.0	7436.2	7836.2	8236.8	8636.9	9036.9
55°	8431.1	8215.2	7999.2	7957.1	7915.0	7872.3	7830.2	8226.0	8621.2	9017.0	9412.2
57.5°	8939.4	8657.9	8377.0	8310.8	8244.7	8178.5	8112.3	8538.8	8965.9	9392.4	9818.9
60°	9165.6	8982.1	8799.3	8718.1	8636.9	8555.7	8474.4	8837.8	9201.1	9563.8	9927.2
62.5°	9051.3	8915.4	8780.0	8798.7	8817.3	8836.0	8854.6	9062.1	9270.3	9477.8	9685.3
65°	8569.5	8537.0	8505.1	8655.5	8805.9	8956.3	9106.7	9109.7	9112.7	9115.7	9118.7
67.5°	7759.8	7712.9	7666.0	7978.8	8291.0	8603.8	8916.6	8768.0	8619.4	8471.4	8322.9
70°	6484.6	6506.2	6527.3	6953.2	7378.4	7804.3	8230.2	8014.9	7798.9	7583.6	7367.6
72.5°	4960.3	5099.8	5238.8	5680.3	6121.8	6563.4	7004.9	6758.9	6512.2	6266.2	6019.6
75°	3628.5	3758.4	3888.3	4324.4	4760.6	5197.3	5633.4	5341.0	5048.7	4756.9	4464.6
77.5°	2707.5	2758.0	2808.0	3170.7	3532.8	3895.5	4257.7	3964.1	3670.6	3377.6	3084.1
80°	2159.5	2123.4	2087.9	2288.8	2489.8	2690.7	2891.6	2683.5	2474.7	2266.6	2058.5
82.5°	1772.7	1713.8	1655.4	1730.0	1804.6	1879.8	1954.4	1787.8	1621.1	1454.5	1287.9
85°	1264.4	1239.8	1215.1	1236.8	1257.8	1279.5	1301.1	1138.7	976.3	814.5	652.1
87.5°	483.6	513.7	543.8	578.1	611.8	646.1	679.7	532.4	385.0	238.2	90.8
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: P368042
 CATALOG NUMBER: MSA-SA3C-830-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: P368042
 CATALOG NUMBER: MSA-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1307.1	1307.1
2.5°	1721.6	1750.5
5°	2103.0	2102.4
7.5°	2222.7	2212.5
10°	2118.0	2091.5
12.5°	2267.8	2189.0
15°	2361.6	2282.8
17.5°	2744.8	2625.7
20°	3185.7	3043.8
22.5°	3757.2	3541.2
25°	4195.1	3936.5
27.5°	4474.2	4320.2
30°	4820.7	4644.5
32.5°	5249.6	5119.1
35°	5794.0	5674.3
37.5°	6747.4	6709.5
40°	7326.1	7280.4
42.5°	8040.1	8041.3
45°	8478.1	8505.1
47.5°	8736.1	8804.1
50°	8941.8	9087.4
52.5°	9236.0	9435.1
55°	9676.9	9941.0
57.5°	10043.9	10268.8
60°	10043.9	10159.9
62.5°	9682.3	9678.7
65°	9062.7	9006.2
67.5°	8251.9	8180.9
70°	7256.9	7145.7
72.5°	5881.8	5743.5
75°	4275.1	4085.0
77.5°	2993.8	2903.0
80°	2102.4	2146.3
82.5°	1350.4	1413.0
85°	642.4	632.8
87.5°	75.8	60.8
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: P368042
CATALOG NUMBER: MSA-SA3C-830-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)