

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: P368086

Luminaire Tested: **MSA-SA3D-730-U-SLR**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P368086
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-SA3D-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: 15529 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

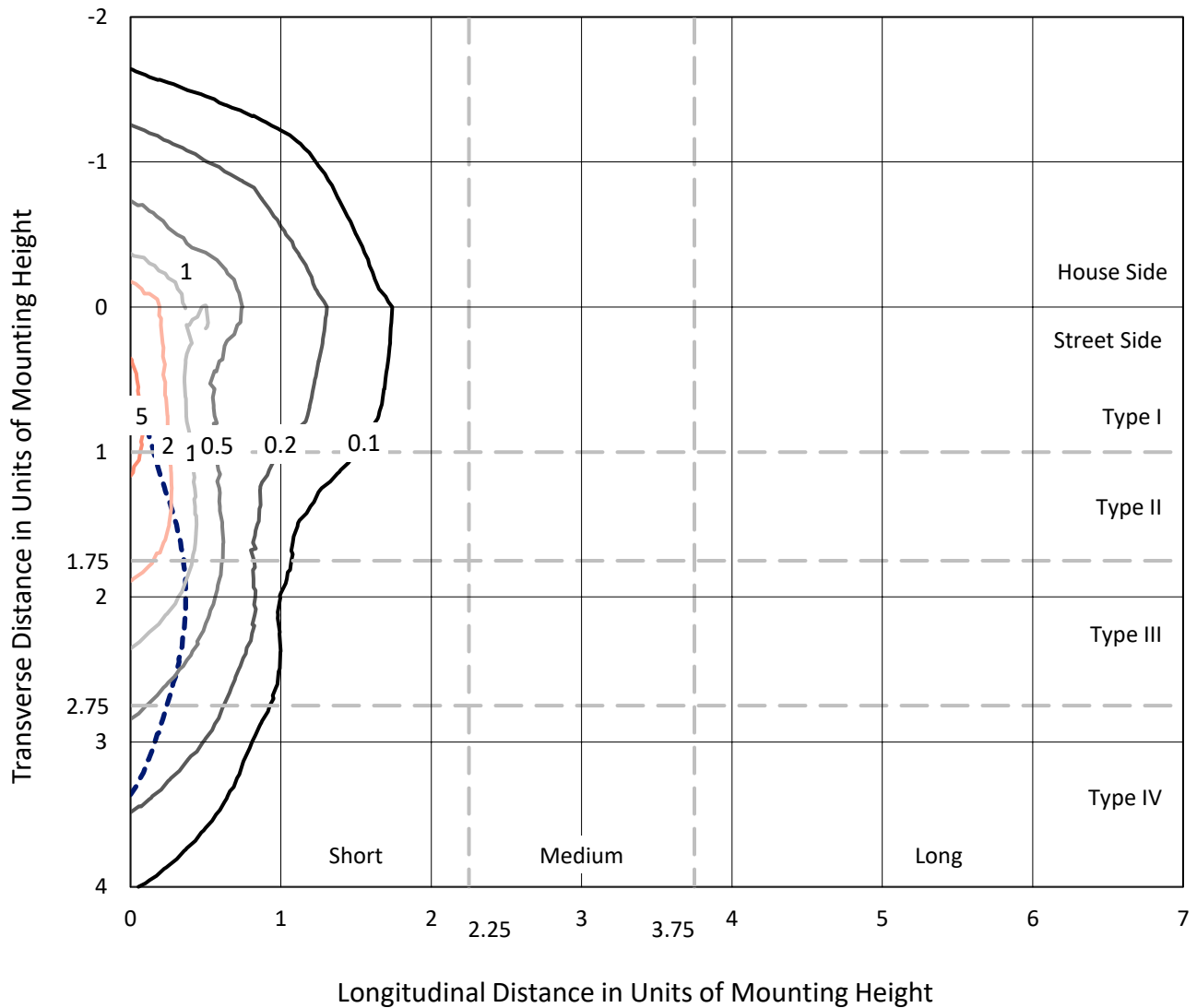
Input Watts (W): 192
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

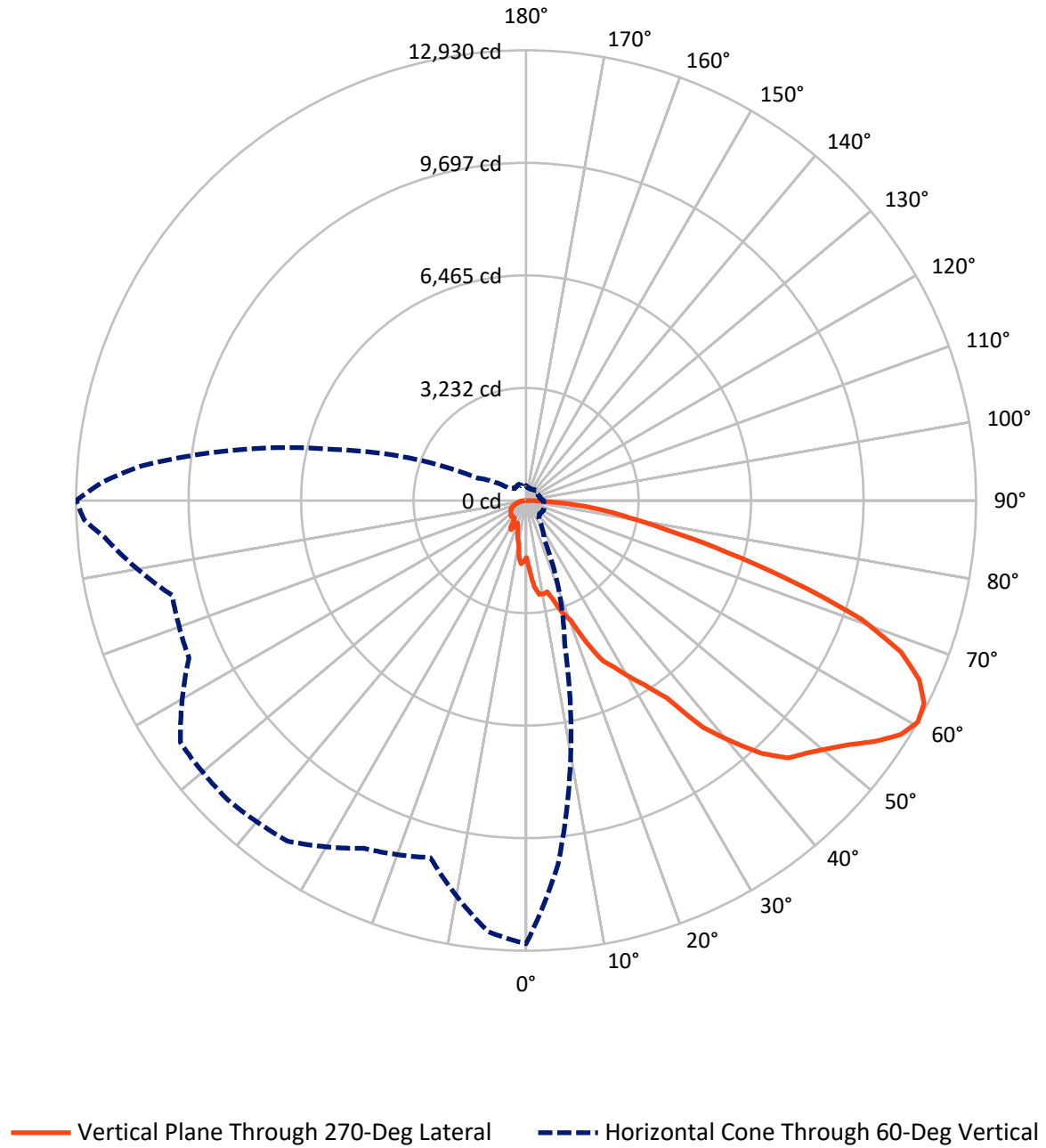
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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	3007.6	0.0	3007.6
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	12521.4	0.0	12521.4
	% Fixture	80.6	0.0	80.6
Total	Lumens	15529.0	0.0	15529.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.8	1.2
10°-20°	545.6	3.5
20°-30°	963.2	6.2
30°-40°	1500.2	9.7
40°-50°	2469.9	15.9
50°-60°	3525.3	22.7
60°-70°	3738.1	24.1
70°-80°	2064.7	13.3
80°-90°	534.2	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°	15529.0	100.0
0°-180°	15529.0	100.0

Coefficient of Utilization

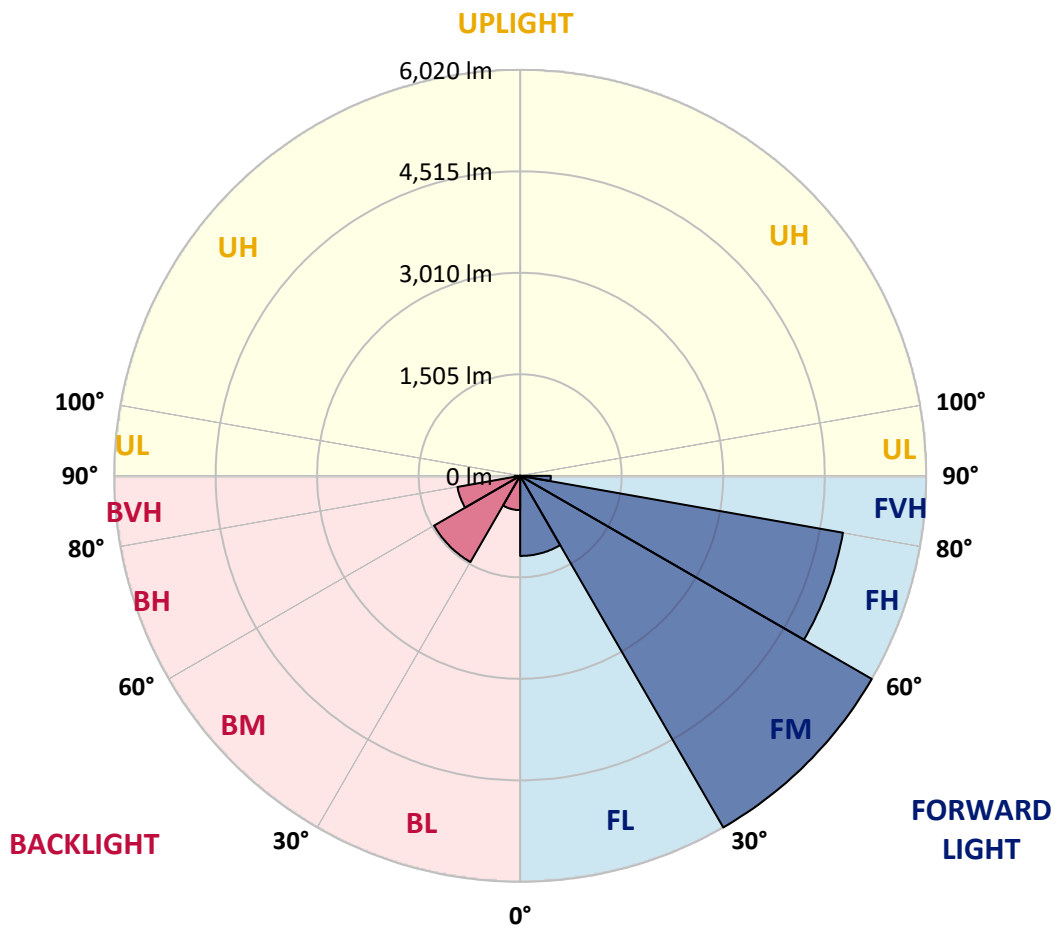


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1188.2	7.7			
FM (30°-60°)	6020.0	38.8			
FH (60°-80°)	4859.1	31.3			G2/5000
FVH (80°-90°)	454.0	2.9			G3/500
BL (0°-30°)	508.4	3.3	B2/1000		
BM (30°-60°)	1475.3	9.5	B2/2500		
BH (60°-80°)	943.7	6.1	B2/1000		G2/1000
BVH (80°-90°)	80.2	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°	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9
2.5°	2193.4	2207.0	2219.8	2194.2	2168.5	2142.2	2116.5	2078.1	2038.9	2000.5	1961.3
5°	2634.4	2584.6	2534.1	2513.8	2494.2	2473.8	2453.5	2434.6	2415.8	2396.2	2377.3
7.5°	2772.3	2701.4	2629.8	2599.7	2569.5	2538.6	2508.5	2440.7	2372.8	2304.2	2236.4
10°	2620.8	2546.9	2472.3	2442.9	2412.8	2383.4	2353.2	2270.3	2188.1	2105.2	2022.3
12.5°	2742.9	2667.5	2591.4	2497.9	2404.5	2310.3	2216.8	2170.8	2124.8	2078.1	2032.1
15°	2860.5	2758.7	2656.2	2562.8	2469.3	2375.1	2281.6	2189.7	2097.7	2005.7	1913.8
17.5°	3290.1	3120.5	2950.9	2782.1	2612.5	2443.7	2274.1	2167.8	2060.8	1954.5	1847.4
20°	3814.0	3578.1	3341.4	3085.1	2828.1	2571.8	2314.8	2180.6	2047.2	1913.0	1778.9
22.5°	4437.3	4139.6	3841.9	3518.5	3195.2	2871.0	2547.7	2353.2	2158.7	1963.5	1769.1
25°	4932.6	4646.1	4359.7	3949.7	3539.6	3129.6	2719.5	2498.7	2277.8	2056.2	1835.4
27.5°	5413.5	4957.4	4500.7	4031.1	3562.2	3092.6	2623.1	2418.8	2214.5	2010.3	1806.0
30°	5819.7	5457.9	5096.1	4483.3	3870.5	3257.0	2644.2	2393.2	2142.2	1891.2	1640.2
32.5°	6414.4	5898.1	5381.0	4741.9	4102.7	3463.5	2824.3	2503.2	2182.1	1861.0	1539.9
35°	7110.1	6573.5	6036.8	5246.1	4456.2	3665.5	2874.8	2534.9	2194.2	1854.2	1513.5
37.5°	8407.4	7461.4	6514.7	5651.6	4788.6	3924.8	3061.7	2666.8	2271.8	1876.1	1481.1
40°	9122.7	8248.3	7374.0	6298.4	5222.8	4146.4	3070.8	2666.8	2262.0	1858.0	1453.2
42.5°	10076.2	8970.4	7863.9	6700.9	5538.6	4375.5	3212.5	2764.8	2317.0	1868.6	1420.8
45°	10657.3	9424.9	8191.8	6948.8	5705.9	4463.0	3220.0	2765.5	2311.0	1856.5	1402.0
47.5°	11031.9	9848.5	8664.4	7326.5	5988.6	4649.9	3312.0	2829.6	2346.4	1864.0	1380.9
50°	11386.9	10214.9	9042.0	7652.9	6264.4	4875.3	3486.1	2959.2	2432.4	1904.7	1377.9
52.5°	11822.6	10743.2	9663.1	8172.9	6682.0	5191.8	3700.9	3127.3	2553.7	1980.1	1406.5
55°	12456.5	11393.0	10328.7	8729.2	7129.0	5529.5	3929.3	3292.4	2656.2	2019.3	1382.4
57.5°	12867.3	11788.7	10710.1	9079.0	7447.8	5816.0	4184.8	3479.3	2773.8	2067.5	1362.0
60°	12730.9	11618.3	10505.1	8950.1	7395.1	5840.1	4285.1	3523.0	2761.8	1999.7	1237.7
62.5°	12127.9	10945.2	9762.6	8369.7	6977.5	5584.6	4191.6	3416.8	2642.7	1867.8	1092.9
65°	11285.2	10062.6	8839.3	7582.8	6326.2	5069.7	3813.2	3110.0	2406.0	1702.7	998.7
67.5°	10251.0	8976.4	7701.1	6588.6	5476.0	4362.7	3250.2	2662.3	2075.1	1487.2	899.2
70°	8953.8	7701.1	6448.4	5485.8	4523.3	3560.7	2598.2	2155.7	1714.0	1271.6	829.1
72.5°	7196.8	6115.9	5035.1	4277.5	3520.0	2762.5	2005.0	1697.5	1390.7	1083.1	775.6
75°	5118.7	4483.3	3847.9	3258.5	2669.0	2078.9	1489.4	1290.4	1091.4	892.4	693.5
77.5°	3637.6	3263.0	2888.4	2426.3	1964.3	1502.2	1040.2	923.3	807.3	690.4	573.6
80°	2689.4	2376.6	2063.8	1715.5	1367.3	1019.1	670.8	613.6	557.0	499.7	442.5
82.5°	1770.6	1629.6	1487.9	1212.0	936.2	660.3	384.4	363.3	342.2	321.1	300.0
85°	792.9	837.4	881.1	712.3	542.7	373.9	204.3	194.5	184.7	174.9	165.1
87.5°	76.1	112.3	148.5	127.4	105.5	84.4	62.6	61.8	61.8	61.1	60.3
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



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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°	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9
2.5°	1971.8	1982.4	1992.9	2003.5	1992.2	1980.9	1968.8	1957.5	1943.2	1928.9	1913.8
5°	2345.7	2313.3	2281.6	2249.2	2201.0	2152.7	2103.7	2055.5	2049.5	2042.7	2036.6
7.5°	2176.8	2118.0	2058.5	1999.0	1923.6	1849.0	1773.6	1698.2	1675.6	1653.0	1630.4
10°	1982.4	1941.7	1901.7	1861.0	1814.3	1767.6	1720.1	1673.3	1611.5	1549.0	1487.2
12.5°	1965.8	1899.5	1832.4	1766.0	1737.4	1708.8	1680.1	1651.5	1597.2	1542.9	1487.9
15°	1860.3	1806.0	1752.5	1698.2	1656.7	1615.3	1573.8	1532.4	1488.7	1444.2	1400.5
17.5°	1785.6	1723.8	1662.0	1600.2	1552.7	1505.2	1457.0	1409.5	1356.8	1303.2	1250.5
20°	1708.0	1637.9	1567.1	1496.2	1435.9	1376.4	1316.1	1255.8	1197.7	1140.4	1082.4
22.5°	1676.3	1583.6	1490.9	1398.2	1334.9	1270.8	1207.5	1143.4	1089.9	1036.4	982.9
25°	1724.6	1614.5	1503.7	1392.9	1307.8	1221.8	1136.7	1050.7	1006.3	961.8	916.6
27.5°	1668.1	1529.4	1391.4	1252.7	1161.5	1069.6	978.4	886.4	879.6	872.8	865.3
30°	1494.7	1349.2	1203.7	1058.3	974.6	890.2	806.5	722.1	706.3	689.7	673.9
32.5°	1391.4	1242.9	1094.4	946.0	871.3	796.0	721.3	646.0	627.9	609.8	591.7
35°	1352.2	1190.9	1029.6	868.3	804.3	740.2	676.1	612.0	599.2	587.2	574.4
37.5°	1320.6	1160.8	1000.2	839.7	777.9	716.1	653.5	591.7	581.9	572.1	562.3
40°	1290.4	1128.4	965.6	802.7	747.7	693.5	638.4	583.4	577.4	571.3	564.6
42.5°	1263.3	1105.8	947.5	789.9	740.9	692.7	643.7	594.7	588.7	582.7	576.6
45°	1248.2	1094.4	940.7	786.9	751.5	716.1	679.9	644.5	630.1	615.8	600.7
47.5°	1236.9	1092.9	949.0	805.0	768.1	731.1	694.2	657.3	644.5	631.6	618.1
50°	1239.2	1101.2	962.5	823.9	779.4	734.2	689.7	644.5	643.0	641.4	639.9
52.5°	1259.5	1113.3	966.3	819.3	771.1	722.8	673.9	625.6	635.4	644.5	654.3
55°	1230.1	1077.9	924.9	772.6	726.6	681.4	635.4	589.4	602.2	614.3	627.1
57.5°	1197.0	1031.9	866.8	701.7	667.1	632.4	597.0	562.3	575.9	590.2	603.8
60°	1086.9	936.2	785.4	634.7	611.3	587.9	564.6	541.2	547.2	553.3	559.3
62.5°	966.3	838.9	712.3	584.9	566.8	548.0	529.9	511.0	511.0	511.8	511.8
65°	889.4	780.1	670.8	561.5	541.2	520.8	499.7	479.4	476.4	473.4	470.3
67.5°	812.5	726.6	639.9	553.3	523.9	495.2	465.8	436.4	432.7	429.6	425.9
70°	752.2	675.4	598.5	521.6	488.4	456.0	422.9	389.7	386.7	384.4	381.4
72.5°	703.3	631.6	559.3	486.9	452.3	416.8	382.2	346.7	344.5	342.2	339.2
75°	629.4	566.1	502.0	437.9	404.0	370.8	336.9	303.0	300.0	297.7	294.7
77.5°	520.8	467.3	414.6	361.0	334.7	309.0	282.7	256.3	254.8	253.3	251.0
80°	401.0	359.5	317.3	275.9	258.5	240.4	223.1	205.0	204.3	203.5	202.0
82.5°	275.1	250.2	225.4	200.5	187.7	174.1	161.3	147.7	148.5	149.2	150.0
85°	156.8	147.7	139.4	130.4	119.8	110.0	99.5	88.9	91.2	93.5	95.0
87.5°	57.3	54.3	51.3	48.2	43.0	38.4	33.2	27.9	29.4	31.7	33.2
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: P368086
 CATALOG NUMBER: MSA-SA3D-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: P368086
 CATALOG NUMBER: MSA-SA3D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9
2.5°	1899.5	1876.8	1854.2	1831.6	1809.0	1762.3	1716.3	1669.6	1622.8	1651.5	1680.9
5°	2029.9	1991.4	1952.2	1913.8	1874.6	1852.7	1830.9	1809.0	1787.1	1798.5	1810.5
7.5°	1607.8	1585.1	1561.8	1539.2	1515.8	1506.0	1497.0	1487.2	1477.4	1505.2	1533.1
10°	1424.6	1392.9	1361.3	1328.9	1297.2	1278.4	1259.5	1240.7	1221.8	1229.4	1236.9
12.5°	1433.6	1386.9	1340.2	1293.4	1246.7	1218.8	1190.9	1163.0	1135.2	1141.9	1148.7
15°	1356.0	1307.8	1259.5	1211.3	1163.0	1130.6	1097.5	1065.1	1031.9	1020.6	1008.5
17.5°	1197.0	1144.2	1091.4	1038.7	985.9	964.0	942.2	920.3	898.5	886.4	874.4
20°	1024.3	975.4	926.4	877.4	828.4	813.3	798.2	782.4	767.3	759.8	751.5
22.5°	929.4	899.2	868.3	838.2	807.3	789.9	773.4	756.0	738.7	730.4	721.3
25°	872.1	878.1	884.9	890.9	897.0	889.4	881.1	873.6	865.3	868.3	870.6
27.5°	858.5	871.3	884.9	897.7	910.5	917.3	924.1	930.9	937.7	939.9	942.2
30°	657.3	664.1	670.1	676.9	682.9	701.7	720.6	738.7	757.5	786.9	817.1
32.5°	573.6	571.3	569.1	566.1	563.8	568.3	572.9	576.6	581.1	591.7	603.0
35°	561.5	556.3	550.2	545.0	538.9	541.2	543.5	545.7	548.0	556.3	564.6
37.5°	552.5	550.2	548.7	546.5	544.2	549.5	554.0	559.3	563.8	570.6	577.4
40°	558.5	557.8	557.0	555.5	554.8	557.8	560.8	563.8	566.8	575.9	584.9
42.5°	570.6	570.6	569.8	569.8	569.1	572.1	574.4	577.4	579.6	584.9	590.2
45°	586.4	584.9	584.2	582.7	581.1	580.4	580.4	579.6	578.9	581.9	585.7
47.5°	605.3	600.0	594.0	588.7	582.7	581.1	578.9	577.4	575.1	576.6	578.1
50°	638.4	624.1	610.5	596.2	581.9	578.1	574.4	570.6	566.8	566.1	566.1
52.5°	663.3	642.2	621.1	600.0	578.9	572.1	565.3	558.5	551.7	550.2	549.5
55°	639.2	623.4	608.3	592.4	576.6	566.8	556.3	546.5	535.9	533.7	531.4
57.5°	617.3	607.5	597.7	587.9	578.1	568.3	557.8	548.0	537.4	532.1	526.9
60°	565.3	565.3	566.1	566.1	566.1	555.5	545.0	534.4	523.9	518.6	514.1
62.5°	511.8	520.1	527.6	535.9	543.5	529.1	514.1	499.7	484.7	480.9	477.9
65°	467.3	469.6	472.6	474.9	477.1	465.8	454.5	443.2	431.9	429.6	426.6
67.5°	422.1	421.3	420.6	419.1	418.3	411.5	404.0	397.2	389.7	386.7	383.7
70°	378.4	377.6	376.9	375.4	374.6	368.6	362.6	356.5	350.5	348.2	346.0
72.5°	336.9	336.2	334.7	333.9	332.4	327.1	322.6	317.3	312.1	309.0	306.0
75°	291.7	290.2	288.7	287.2	285.7	281.1	276.6	271.4	266.8	263.8	260.8
77.5°	249.5	247.2	245.0	242.0	239.7	235.9	231.4	227.6	223.1	219.3	216.3
80°	201.3	199.7	198.2	196.0	194.5	190.7	186.9	182.4	178.6	174.1	170.3
82.5°	150.8	150.0	148.5	147.7	146.2	142.5	138.7	134.9	131.2	126.6	122.1
85°	97.2	96.5	95.7	95.0	94.2	91.2	88.9	85.9	82.9	78.4	74.6
87.5°	34.7	33.2	32.4	30.9	29.4	28.6	27.1	26.4	24.9	22.6	20.4
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: P368086
 CATALOG NUMBER: MSA-SA3D-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: P368086

CATALOG NUMBER: MSA-SA3D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9
2.5°	1709.5	1738.2	1738.9	1738.9	1752.5	1765.3	1738.9	1712.5	1685.4	1659.0	1632.6
5°	1821.8	1833.1	1830.1	1826.3	1809.8	1793.2	1775.8	1758.5	1741.2	1723.8	1724.6
7.5°	1561.0	1588.9	1611.5	1633.4	1612.3	1591.2	1579.9	1568.6	1557.3	1545.9	1544.4
10°	1243.7	1251.2	1260.3	1268.6	1255.8	1242.2	1264.8	1287.4	1309.3	1331.9	1307.0
12.5°	1155.5	1162.3	1146.5	1129.9	1124.6	1119.3	1114.0	1108.0	1102.7	1096.7	1093.7
15°	997.2	985.2	973.1	960.3	957.3	953.5	949.7	945.2	941.4	936.9	923.3
17.5°	862.3	850.2	829.9	808.8	800.5	791.4	789.2	786.9	783.9	781.6	768.8
20°	744.0	735.7	730.4	724.4	716.1	707.8	699.5	691.2	682.1	673.9	661.8
22.5°	713.1	704.0	697.2	689.7	688.2	686.7	671.6	655.8	640.7	624.9	618.1
25°	873.6	875.9	834.4	792.2	788.4	784.7	757.5	729.6	702.5	674.6	651.2
27.5°	943.7	946.0	944.5	942.9	930.9	918.1	872.1	825.4	779.4	732.6	699.5
30°	846.5	875.9	887.2	898.5	890.2	881.1	832.9	785.4	737.2	688.9	667.1
32.5°	613.6	624.1	643.0	661.0	670.8	679.9	664.8	649.7	634.7	619.6	615.8
35°	572.1	580.4	584.2	587.9	581.9	575.9	564.6	553.3	541.2	529.9	527.6
37.5°	583.4	590.2	597.7	605.3	588.7	571.3	558.5	546.5	533.7	520.8	510.3
40°	594.0	603.0	607.5	612.0	595.5	578.9	563.1	548.0	532.1	516.3	505.8
42.5°	595.5	600.7	609.0	617.3	594.0	569.8	555.5	540.4	526.1	511.0	500.5
45°	588.7	591.7	599.2	606.8	579.6	551.7	538.9	525.4	512.6	499.0	489.9
47.5°	578.9	580.4	586.4	591.7	563.1	533.7	521.6	509.5	496.7	484.7	475.6
50°	565.3	564.6	569.1	572.9	543.5	514.1	502.0	490.7	478.6	466.6	459.0
52.5°	548.0	546.5	551.0	554.8	523.9	493.0	482.4	472.6	462.1	451.5	445.5
55°	528.4	526.1	529.9	533.7	503.5	472.6	463.6	453.8	444.7	434.9	429.6
57.5°	520.8	515.6	517.8	520.1	486.2	452.3	443.2	434.2	425.1	416.1	412.3
60°	508.8	503.5	505.8	507.3	471.1	434.2	425.9	416.8	408.5	399.5	395.7
62.5°	474.1	470.3	473.4	476.4	444.0	410.8	403.3	396.5	388.9	381.4	376.1
65°	424.4	421.3	427.4	433.4	405.5	377.6	373.1	368.6	363.3	358.8	353.5
67.5°	380.6	377.6	383.7	389.7	369.3	349.0	344.5	339.9	335.4	330.9	327.9
70°	343.7	341.4	346.7	352.0	334.7	317.3	312.8	309.0	304.5	300.0	297.7
72.5°	302.3	299.2	306.0	312.1	297.7	282.7	278.9	274.4	270.6	266.1	264.6
75°	257.8	254.8	260.8	266.1	256.3	245.7	242.0	238.2	234.4	230.6	229.9
77.5°	212.6	208.8	214.8	220.1	214.1	207.3	204.3	200.5	197.5	193.7	193.7
80°	165.8	161.3	165.8	169.6	167.3	165.1	162.8	159.8	157.5	154.5	155.3
82.5°	117.6	113.1	115.3	117.6	119.1	120.6	120.6	120.6	120.6	120.6	120.6
85°	70.1	65.6	66.3	67.1	69.3	71.6	72.4	73.1	73.9	74.6	75.4
87.5°	18.1	15.8	14.3	12.1	14.3	15.8	17.3	18.1	19.6	20.4	20.4
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: P368086
 CATALOG NUMBER: MSA-SA3D-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



REPORT NUMBER: P368086

CATALOG NUMBER: MSA-SA3D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9
2.5°	1606.2	1579.1	1552.7	1569.3	1585.1	1601.7	1617.6	1618.3	1618.3	1619.1	1619.1
5°	1726.1	1726.8	1727.6	1711.8	1696.7	1680.9	1665.0	1656.7	1648.5	1639.4	1631.1
7.5°	1542.2	1540.7	1538.4	1523.3	1508.3	1493.2	1478.1	1441.9	1405.0	1368.8	1331.9
10°	1281.4	1256.5	1230.9	1224.8	1219.6	1213.5	1207.5	1197.7	1188.7	1178.9	1169.1
12.5°	1090.7	1087.7	1084.7	1068.8	1053.0	1036.4	1020.6	1020.6	1020.6	1020.6	1020.6
15°	909.0	895.5	881.1	873.6	865.3	857.8	849.5	845.7	841.9	838.2	834.4
17.5°	755.3	742.4	728.9	727.4	725.9	724.4	722.8	719.1	715.3	711.5	707.8
20°	649.7	637.7	625.6	630.1	634.7	638.4	643.0	639.2	635.4	630.9	627.1
22.5°	610.5	603.8	596.2	592.4	588.7	584.2	580.4	580.4	581.1	581.1	581.1
25°	628.6	605.3	581.9	570.6	559.3	547.2	535.9	531.4	527.6	523.1	518.6
27.5°	666.3	632.4	599.2	579.6	560.0	540.4	520.8	512.6	503.5	495.2	486.2
30°	644.5	622.6	600.0	577.4	554.8	532.1	509.5	499.0	488.4	477.1	466.6
32.5°	612.0	607.5	603.8	582.7	561.5	539.7	518.6	514.1	510.3	505.8	501.2
35°	524.6	522.4	519.3	514.1	508.8	503.5	498.2	492.2	486.2	480.1	474.1
37.5°	500.5	489.9	479.4	477.1	474.9	472.6	470.3	468.1	465.8	462.8	460.5
40°	495.2	484.7	474.1	470.3	466.6	462.1	458.3	459.0	460.5	461.3	462.1
42.5°	489.2	478.6	467.3	464.3	461.3	458.3	455.3	456.0	457.5	458.3	459.0
45°	481.6	472.6	463.6	458.3	453.8	448.5	443.2	447.7	452.3	456.0	460.5
47.5°	466.6	456.8	447.7	444.7	441.7	437.9	434.9	439.4	444.0	447.7	452.3
50°	450.7	443.2	434.9	434.2	433.4	431.9	431.1	434.2	437.2	440.2	443.2
52.5°	438.7	432.7	425.9	425.9	425.1	425.1	424.4	427.4	430.4	432.7	435.7
55°	425.1	419.8	414.6	415.3	416.8	417.6	418.3	421.3	425.1	428.1	431.1
57.5°	407.8	404.0	399.5	402.5	404.8	407.8	410.0	412.3	415.3	417.6	419.8
60°	391.2	387.4	382.9	385.9	389.7	392.7	395.7	398.0	400.2	402.5	404.8
62.5°	370.8	364.8	359.5	364.1	367.8	372.4	376.1	377.6	379.9	381.4	382.9
65°	349.0	343.7	338.4	341.4	344.5	346.7	349.7	352.0	354.3	356.5	358.8
67.5°	324.1	321.1	317.3	319.6	321.9	324.1	326.4	327.1	327.1	327.9	327.9
70°	294.7	292.5	289.4	290.9	293.2	294.7	296.2	296.2	296.2	295.5	295.5
72.5°	263.8	262.3	260.8	261.6	263.1	263.8	264.6	263.8	263.1	262.3	261.6
75°	229.1	228.4	227.6	228.4	229.9	230.6	231.4	230.6	229.1	228.4	226.9
77.5°	194.5	194.5	194.5	194.5	195.2	195.2	195.2	193.7	192.2	190.7	189.2
80°	156.0	156.8	157.5	157.5	157.5	157.5	157.5	156.0	154.5	152.3	150.8
82.5°	120.6	120.6	120.6	120.6	121.4	121.4	121.4	117.6	114.6	110.8	107.0
85°	75.4	76.1	76.1	76.9	77.6	77.6	78.4	73.1	68.6	63.3	58.0
87.5°	20.4	20.4	20.4	20.4	20.4	19.6	19.6	15.1	9.8	5.3	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: P368086
 CATALOG NUMBER: MSA-SA3D-730-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: P368086

CATALOG NUMBER: MSA-SA3D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9
2.5°	1623.6	1628.1	1631.9	1636.4	1637.2	1637.9	1637.9	1638.7	1622.8	1607.0	1590.4
5°	1642.4	1653.0	1664.3	1674.8	1672.6	1670.3	1668.1	1665.8	1661.3	1657.5	1653.0
7.5°	1323.6	1316.1	1307.8	1299.5	1306.3	1313.0	1319.8	1326.6	1329.6	1332.6	1334.9
10°	1150.2	1131.4	1112.5	1093.7	1083.1	1071.8	1061.3	1050.0	1048.5	1047.7	1046.2
12.5°	1001.0	980.6	961.0	940.7	934.7	927.9	921.8	915.1	921.1	927.1	932.4
15°	826.1	818.6	810.3	802.0	808.8	815.6	822.3	829.1	835.2	840.4	846.5
17.5°	704.0	701.0	697.2	693.5	699.5	706.3	712.3	718.3	731.9	745.5	759.0
20°	624.1	621.8	618.8	615.8	613.6	610.5	608.3	605.3	624.9	643.7	663.3
22.5°	576.6	572.1	567.6	563.1	563.8	564.6	564.6	565.3	581.1	597.7	613.6
25°	517.1	515.6	514.1	512.6	517.1	521.6	525.4	529.9	544.2	558.5	572.1
27.5°	486.9	487.7	488.4	489.2	495.2	502.0	508.0	514.1	523.9	533.7	543.5
30°	470.3	474.9	478.6	482.4	484.7	486.9	489.2	491.4	501.2	510.3	520.1
32.5°	495.2	489.2	482.4	476.4	479.4	483.2	486.2	489.2	498.2	507.3	516.3
35°	471.8	468.8	466.6	463.6	467.3	471.1	474.1	477.9	486.2	493.7	502.0
37.5°	459.8	459.0	458.3	457.5	459.8	462.1	463.6	465.8	473.4	480.9	487.7
40°	459.0	455.3	452.3	448.5	450.7	453.0	454.5	456.8	465.8	474.9	483.9
42.5°	454.5	450.0	444.7	440.2	442.5	445.5	447.7	450.0	459.8	468.8	478.6
45°	453.8	447.0	439.4	432.7	435.7	438.7	441.7	444.7	452.3	459.8	466.6
47.5°	445.5	438.7	431.9	425.1	426.6	428.1	428.9	430.4	437.2	443.2	450.0
50°	438.7	433.4	428.9	423.6	421.3	419.8	417.6	415.3	420.6	425.9	431.1
52.5°	430.4	425.1	419.1	413.8	410.8	407.8	404.8	401.8	406.3	410.0	414.6
55°	425.1	418.3	412.3	405.5	401.8	398.0	394.2	390.4	393.5	395.7	398.7
57.5°	413.8	407.8	401.0	395.0	390.4	385.9	380.6	376.1	377.6	379.1	380.6
60°	398.7	392.0	385.9	379.1	373.9	368.6	362.6	357.3	358.0	359.5	360.3
62.5°	376.9	370.8	364.1	358.0	352.0	346.7	340.7	334.7	336.2	336.9	338.4
65°	352.8	346.0	339.9	333.2	327.9	322.6	316.6	311.3	312.8	314.3	315.1
67.5°	323.4	318.1	313.6	308.3	303.8	298.5	294.0	288.7	289.4	290.2	290.9
70°	291.7	287.2	283.4	278.9	275.1	271.4	267.6	263.8	263.8	264.6	264.6
72.5°	257.8	254.0	250.2	246.5	242.7	239.7	235.9	232.2	233.7	235.2	235.9
75°	223.1	220.1	216.3	212.6	209.5	206.5	202.8	199.7	201.3	202.8	203.5
77.5°	186.9	184.7	181.7	179.4	176.4	173.4	169.6	166.6	168.1	169.6	170.3
80°	149.2	147.7	145.5	144.0	141.0	137.9	134.9	131.9	132.7	132.7	133.4
82.5°	107.8	108.5	108.5	109.3	107.0	104.0	101.8	98.7	98.7	98.7	98.0
85°	60.3	63.3	65.6	67.8	65.6	63.3	61.1	58.8	58.0	58.0	57.3
87.5°	2.3	3.8	6.0	7.5	6.8	6.0	4.5	3.8	4.5	5.3	5.3
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: P368086
 CATALOG NUMBER: MSA-SA3D-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: P368086

CATALOG NUMBER: MSA-SA3D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9
2.5°	1574.6	1587.4	1600.2	1613.0	1625.8	1645.4	1665.0	1685.4	1705.7	1694.4	1682.4
5°	1648.5	1656.0	1664.3	1671.8	1679.4	1701.2	1722.3	1748.7	1774.3	1771.3	1767.6
7.5°	1337.9	1348.5	1359.0	1368.8	1379.4	1412.5	1445.7	1473.6	1501.5	1497.7	1493.2
10°	1044.7	1066.6	1089.2	1111.0	1132.9	1160.0	1186.4	1209.8	1233.1	1272.3	1310.8
12.5°	938.4	972.3	1006.3	1040.2	1074.1	1093.7	1112.5	1142.7	1172.8	1193.9	1215.8
15°	851.7	883.4	915.1	946.7	978.4	979.9	981.4	1013.0	1044.7	1062.8	1080.1
17.5°	772.6	789.9	807.3	823.9	841.2	835.2	829.1	844.2	858.5	866.1	874.4
20°	682.1	694.2	706.3	718.3	730.4	738.7	746.2	755.3	763.6	756.0	747.7
22.5°	629.4	647.5	666.3	684.4	702.5	707.8	712.3	707.0	701.7	699.5	697.2
25°	586.4	608.3	630.9	652.7	674.6	685.2	695.7	700.2	704.0	695.7	687.4
27.5°	553.3	579.6	605.3	631.6	657.3	676.1	695.0	700.2	704.8	698.7	691.9
30°	529.1	557.8	586.4	615.1	643.7	672.3	700.2	725.1	749.2	747.0	744.7
32.5°	525.4	545.0	564.6	584.2	603.8	621.8	639.2	640.7	641.4	635.4	628.6
35°	509.5	522.4	535.2	548.0	560.8	572.1	582.7	581.1	579.6	573.6	567.6
37.5°	495.2	508.0	521.6	534.4	547.2	566.8	585.7	581.9	577.4	571.3	565.3
40°	493.0	507.3	521.6	535.2	549.5	567.6	585.7	581.9	578.1	570.6	563.1
42.5°	487.7	502.0	515.6	529.9	543.5	565.3	586.4	579.6	572.1	566.1	560.0
45°	474.1	486.9	499.7	512.6	525.4	548.7	572.1	563.8	555.5	553.3	550.2
47.5°	456.0	468.8	481.6	494.5	507.3	530.6	553.3	546.5	538.9	538.2	536.7
50°	436.4	448.5	461.3	473.4	485.4	508.8	531.4	525.4	519.3	520.1	520.1
52.5°	418.3	429.6	440.2	451.5	462.1	485.4	508.0	503.5	498.2	499.7	500.5
55°	401.0	410.0	419.1	428.1	437.2	459.8	482.4	475.6	468.8	471.1	473.4
57.5°	382.2	389.7	397.2	404.0	411.5	434.2	456.0	448.5	440.2	444.0	447.0
60°	361.0	367.8	374.6	380.6	387.4	407.8	427.4	420.6	413.1	418.3	422.9
62.5°	339.2	344.5	349.7	355.0	360.3	379.1	398.0	392.7	387.4	393.5	398.7
65°	316.6	320.3	324.9	328.6	332.4	350.5	367.8	364.1	360.3	365.6	370.8
67.5°	291.7	294.7	298.5	301.5	304.5	321.1	337.7	333.9	329.4	333.9	337.7
70°	264.6	267.6	269.8	272.9	275.1	290.2	305.3	300.0	294.0	298.5	302.3
72.5°	237.4	238.9	241.2	242.7	244.2	255.5	266.8	262.3	257.8	262.3	266.1
75°	205.0	206.5	208.0	209.5	211.1	220.8	229.9	224.6	218.6	223.1	227.6
77.5°	171.9	172.6	174.1	174.9	175.6	182.4	188.4	183.2	177.1	182.4	187.7
80°	133.4	134.2	134.9	134.9	135.7	137.9	140.2	136.4	131.9	138.7	145.5
82.5°	98.0	97.2	97.2	96.5	95.7	95.7	95.0	92.7	89.7	95.7	101.8
85°	56.5	55.8	54.3	53.5	52.0	49.7	47.5	46.7	46.0	51.3	56.5
87.5°	6.0	5.3	3.8	3.0	1.5	0.8	0.0	0.0	0.0	3.0	6.8
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: P368086
 CATALOG NUMBER: MSA-SA3D-730-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: P368086

CATALOG NUMBER: MSA-SA3D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9
2.5°	1671.1	1659.0	1647.7	1636.4	1625.1	1613.8	1634.9	1656.0	1677.1	1698.2	1717.0
5°	1764.5	1760.8	1751.0	1741.9	1732.1	1722.3	1727.6	1733.6	1738.9	1744.2	1755.5
7.5°	1489.4	1484.9	1506.0	1526.3	1547.5	1567.8	1573.1	1577.6	1582.9	1587.4	1584.4
10°	1350.0	1388.4	1398.2	1407.3	1417.1	1426.1	1441.2	1456.3	1470.6	1485.6	1493.9
12.5°	1236.9	1258.0	1292.7	1328.1	1362.8	1397.5	1420.1	1442.7	1465.3	1487.9	1534.6
15°	1098.2	1115.6	1141.9	1168.3	1194.7	1221.1	1253.5	1286.7	1319.1	1351.5	1402.7
17.5°	881.9	889.4	909.0	928.6	947.5	967.1	1010.8	1053.7	1097.5	1140.4	1199.2
20°	740.2	731.9	731.9	732.6	732.6	732.6	776.4	819.3	863.0	906.0	983.6
22.5°	694.2	691.9	683.7	674.6	666.3	657.3	679.9	703.3	725.9	748.5	811.8
25°	678.4	670.1	659.5	649.0	638.4	627.9	642.2	656.5	670.8	685.2	734.9
27.5°	685.9	679.1	684.4	688.9	694.2	698.7	703.3	707.8	712.3	716.8	734.2
30°	742.4	740.2	748.5	756.0	764.3	771.8	761.3	751.5	740.9	730.4	736.4
32.5°	622.6	615.8	612.8	609.8	606.8	603.8	603.0	602.2	600.7	600.0	613.6
35°	561.5	555.5	551.0	546.5	541.2	536.7	538.9	540.4	542.7	544.2	559.3
37.5°	559.3	553.3	548.0	542.7	536.7	531.4	533.7	536.7	538.9	541.2	552.5
40°	555.5	548.0	545.0	541.9	538.9	535.9	537.4	538.9	539.7	541.2	549.5
42.5°	553.3	547.2	545.7	544.2	542.7	541.2	542.7	544.2	545.0	546.5	556.3
45°	548.0	545.0	546.5	548.0	549.5	551.0	551.0	551.0	551.0	551.0	561.5
47.5°	535.9	534.4	538.9	543.5	548.0	552.5	560.0	567.6	574.4	581.9	584.2
50°	520.8	520.8	528.4	535.9	542.7	550.2	568.3	585.7	603.8	621.1	609.8
52.5°	502.0	502.8	514.1	524.6	535.9	546.5	563.1	579.6	595.5	612.0	595.5
55°	474.9	477.1	491.4	505.0	519.3	532.9	545.7	558.5	571.3	584.2	566.8
57.5°	450.7	453.8	468.8	483.2	498.2	512.6	520.1	528.4	535.9	543.5	532.1
60°	428.1	432.7	452.3	471.8	490.7	510.3	504.3	498.2	491.4	485.4	484.7
62.5°	404.8	410.0	428.1	446.2	463.6	481.6	472.6	463.6	453.8	444.7	448.5
65°	375.4	380.6	388.9	397.2	404.8	413.1	412.3	412.3	411.5	410.8	418.3
67.5°	342.2	346.0	351.2	355.8	361.0	365.6	368.6	372.4	375.4	378.4	387.4
70°	306.8	310.5	315.8	320.3	325.6	330.1	333.9	337.7	340.7	344.5	353.5
72.5°	270.6	274.4	279.6	284.9	289.4	294.7	297.7	300.7	303.0	306.0	313.6
75°	232.2	236.7	242.0	246.5	251.8	256.3	258.5	260.8	263.1	265.3	272.1
77.5°	193.0	198.2	203.5	208.8	214.1	219.3	220.1	220.8	221.6	222.4	228.4
80°	151.5	158.3	163.6	168.8	174.1	179.4	179.4	179.4	179.4	179.4	182.4
82.5°	107.8	113.8	119.8	125.1	131.2	136.4	136.4	135.7	135.7	134.9	134.9
85°	61.8	67.1	70.9	75.4	79.1	82.9	82.9	82.9	82.2	82.2	80.7
87.5°	9.8	12.8	14.3	16.6	18.1	19.6	18.8	18.8	18.1	17.3	15.1
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: P368086
 CATALOG NUMBER: MSA-SA3D-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: P368086

CATALOG NUMBER: MSA-SA3D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9
2.5°	1735.9	1754.7	1773.6	1770.6	1767.6	1764.5	1761.5	1772.8	1783.4	1794.7	1805.2
5°	1766.0	1777.3	1787.9	1796.2	1804.5	1812.8	1821.1	1859.5	1897.2	1935.6	1973.3
7.5°	1581.4	1577.6	1574.6	1610.0	1646.2	1681.6	1717.0	1766.0	1815.0	1864.0	1913.0
10°	1502.2	1510.5	1518.8	1533.1	1548.2	1562.5	1576.9	1625.1	1673.3	1721.6	1769.8
12.5°	1580.6	1627.4	1673.3	1684.6	1696.7	1708.0	1719.3	1729.1	1738.9	1748.0	1757.8
15°	1454.0	1505.2	1556.5	1585.9	1615.3	1643.9	1673.3	1747.2	1820.3	1894.2	1967.3
17.5°	1257.3	1316.1	1374.1	1446.5	1518.8	1591.2	1663.5	1731.4	1799.2	1866.3	1934.1
20°	1061.3	1138.2	1215.8	1294.9	1373.3	1452.5	1530.9	1597.2	1663.5	1729.1	1795.4
22.5°	874.4	937.7	1000.2	1096.7	1192.4	1288.9	1384.6	1508.3	1631.1	1754.7	1877.6
25°	783.9	833.7	882.6	982.1	1081.6	1180.4	1279.9	1440.4	1600.2	1760.8	1920.6
27.5°	752.2	769.6	786.9	877.4	967.1	1057.5	1147.2	1320.6	1493.9	1666.5	1839.9
30°	742.4	748.5	754.5	825.4	896.2	967.1	1037.9	1209.0	1380.9	1552.0	1723.1
32.5°	626.4	639.9	652.7	722.1	790.7	860.0	928.6	1101.2	1273.1	1445.7	1617.6
35°	574.4	589.4	604.5	672.3	740.2	807.3	875.1	1056.8	1239.2	1420.8	1602.5
37.5°	563.8	575.1	586.4	663.3	740.2	817.1	894.0	1077.9	1261.8	1445.7	1629.6
40°	558.5	566.8	575.1	649.7	725.1	799.7	874.4	1067.3	1259.5	1452.5	1644.7
42.5°	565.3	575.1	584.2	652.0	719.1	786.9	854.0	1053.7	1252.7	1452.5	1651.5
45°	571.3	581.9	591.7	655.0	718.3	781.6	845.0	1058.3	1270.8	1484.1	1696.7
47.5°	585.7	587.9	589.4	644.5	698.7	753.8	808.0	1025.1	1242.2	1458.5	1675.6
50°	597.7	586.4	574.4	631.6	688.2	745.5	802.0	1007.8	1213.5	1418.6	1624.3
52.5°	578.9	561.5	545.0	606.8	668.6	729.6	791.4	997.2	1203.7	1409.5	1615.3
55°	550.2	532.9	515.6	578.1	640.7	703.3	765.8	970.8	1176.6	1381.6	1586.6
57.5°	521.6	510.3	499.0	550.2	602.2	653.5	704.8	927.1	1148.7	1371.1	1592.7
60°	483.9	482.4	481.6	521.6	562.3	602.2	642.2	860.0	1077.1	1294.9	1512.0
62.5°	451.5	455.3	458.3	490.7	523.1	554.8	587.2	797.5	1008.5	1218.8	1429.1
65°	426.6	434.2	441.7	478.6	515.6	551.7	588.7	765.1	941.4	1117.8	1294.2
67.5°	396.5	405.5	414.6	462.8	511.0	559.3	607.5	753.0	898.5	1043.9	1189.4
70°	361.8	370.8	379.1	440.9	502.0	563.8	624.9	753.8	883.4	1012.3	1141.2
72.5°	321.1	328.6	336.2	402.5	468.8	535.2	601.5	710.8	820.1	928.6	1037.9
75°	279.6	286.4	293.2	350.5	407.8	465.1	522.4	606.8	690.4	774.9	858.5
77.5°	233.7	239.7	245.0	283.4	321.9	360.3	398.7	463.6	527.6	592.4	656.5
80°	185.4	188.4	191.5	214.1	235.9	258.5	280.4	323.4	366.3	408.5	451.5
82.5°	135.7	135.7	135.7	150.0	165.1	179.4	193.7	215.6	236.7	258.5	279.6
85°	79.1	76.9	75.4	85.2	95.0	104.8	114.6	123.6	132.7	141.7	150.8
87.5°	12.8	9.8	7.5	13.6	19.6	25.6	31.7	34.7	38.4	41.5	44.5
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: P368086
 CATALOG NUMBER: MSA-SA3D-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: P368086

CATALOG NUMBER: MSA-SA3D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9
2.5°	1779.6	1754.7	1729.1	1703.5	1741.2	1778.9	1816.5	1854.2	1954.5	2014.0	2017.8
5°	2005.0	2036.6	2068.3	2100.0	2131.6	2163.3	2194.2	2225.8	2388.6	2488.9	2507.7
7.5°	1965.0	2017.8	2069.8	2121.8	2211.5	2301.2	2390.9	2480.6	2618.5	2718.0	2783.6
10°	1834.6	1899.5	1964.3	2029.1	2135.4	2242.4	2348.7	2455.0	2601.2	2732.4	2794.9
12.5°	1861.0	1964.3	2066.8	2170.1	2262.0	2354.7	2446.7	2538.6	2639.6	2689.4	2803.2
15°	2038.9	2110.5	2182.1	2253.7	2392.4	2530.3	2669.0	2807.0	2864.3	2978.1	3080.6
17.5°	2066.0	2197.2	2329.1	2460.2	2629.8	2799.4	2969.0	3138.6	3244.9	3391.9	3515.5
20°	1981.6	2167.0	2353.2	2538.6	2757.2	2976.6	3195.2	3413.7	3548.7	3672.3	3863.7
22.5°	2082.6	2287.6	2491.9	2696.9	2987.1	3276.6	3566.8	3856.2	4138.1	4414.0	4543.6
25°	2194.2	2468.5	2742.2	3015.8	3378.3	3740.1	4102.7	4464.5	4827.0	5085.6	5234.8
27.5°	2115.8	2390.9	2666.8	2941.9	3390.4	3839.6	4288.1	4736.6	5124.8	5436.1	5564.2
30°	2060.8	2398.4	2736.1	3073.8	3599.9	4126.0	4652.2	5178.3	5537.1	5884.5	6073.0
32.5°	2051.0	2484.4	2917.0	3350.4	3963.2	4575.3	5188.1	5800.1	6038.3	6346.6	6600.6
35°	2078.1	2554.5	3030.1	3505.7	4208.2	4910.7	5612.4	6314.9	6653.4	6958.6	7181.0
37.5°	2161.0	2692.4	3223.0	3754.4	4600.9	5448.1	6294.6	7141.1	7708.6	8267.2	8366.7
40°	2207.7	2771.5	3334.6	3897.7	4882.1	5866.5	6850.9	7835.3	8488.0	9100.8	9142.3
42.5°	2262.8	2874.1	3484.6	4095.9	5187.3	6279.5	7370.9	8462.4	9270.4	9929.2	9948.8
45°	2326.1	2954.7	3584.1	4212.7	5352.4	6491.3	7631.0	8769.9	9746.8	10547.3	10352.0
47.5°	2351.0	3027.1	3702.4	4377.8	5592.8	6807.1	8022.2	9236.5	10113.1	10841.2	10654.3
50°	2360.8	3097.9	3834.3	4570.8	5829.5	7089.0	8347.8	9606.6	10498.3	11208.3	10921.9
52.5°	2421.8	3228.3	4034.8	4841.4	6152.9	7464.4	8775.9	10087.5	10964.8	11647.0	11291.2
55°	2504.0	3421.3	4337.8	5255.2	6612.7	7969.4	9326.9	10683.7	11564.1	12198.7	11757.8
57.5°	2580.1	3568.3	4555.7	5543.1	6949.6	8356.9	9763.4	11169.9	12061.6	12689.4	12262.0
60°	2543.2	3574.3	4605.4	5636.6	7018.9	8400.6	9783.0	11164.6	12176.9	12929.9	12711.3
62.5°	2431.6	3434.1	4435.8	5438.3	6750.6	8062.1	9374.4	10686.0	11870.9	12836.4	12826.6
65°	2216.8	3139.4	4061.2	4983.8	6198.1	7413.2	8627.5	9841.7	11238.5	12411.3	12487.4
67.5°	1955.2	2721.0	3486.9	4252.7	5396.1	6539.6	7683.0	8826.4	10319.6	11613.8	11679.4
70°	1702.0	2263.5	2824.3	3385.1	4389.1	5393.1	6396.3	7400.3	8908.6	10217.9	10278.2
72.5°	1405.0	1772.1	2138.4	2505.5	3318.8	4132.1	4944.6	5757.9	7082.3	8089.3	8429.2
75°	1076.4	1294.2	1512.0	1729.9	2387.9	3045.9	3703.2	4361.2	5241.6	5984.8	6367.7
77.5°	769.6	882.6	995.7	1108.8	1668.1	2227.3	2785.9	3345.2	3808.0	4229.3	4487.8
80°	505.0	557.8	611.3	664.1	1129.1	1594.2	2058.5	2523.6	2805.5	3031.6	3162.0
82.5°	306.0	332.4	358.0	384.4	761.3	1138.2	1514.3	1891.2	2052.5	2160.3	2276.3
85°	165.1	179.4	193.7	208.0	450.0	691.2	933.1	1174.3	1190.2	1203.0	1375.6
87.5°	48.2	52.8	56.5	60.3	99.5	139.4	178.6	217.8	135.7	84.4	173.4
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: P368086
 CATALOG NUMBER: MSA-SA3D-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: P368086

CATALOG NUMBER: MSA-SA3D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9
2.5°	1995.9	1986.1	1976.3	1965.8	1956.0	1914.5	1873.8	1832.4	1790.9	1830.9	1870.1
5°	2485.9	2516.0	2545.4	2575.6	2605.7	2608.0	2609.5	2611.8	2613.3	2620.8	2628.3
7.5°	2838.6	2892.1	2944.9	2998.4	3051.9	3093.4	3134.9	3177.1	3218.5	3180.8	3143.1
10°	2868.8	2981.8	3094.9	3208.0	3321.0	3341.4	3361.0	3381.3	3401.7	3428.8	3455.2
12.5°	2898.9	3036.9	3174.1	3312.0	3449.9	3510.2	3569.8	3630.1	3689.6	3719.0	3747.7
15°	3217.8	3299.2	3379.8	3461.2	3541.9	3583.3	3624.0	3665.5	3707.0	3731.8	3755.9
17.5°	3627.8	3658.0	3687.4	3717.5	3747.7	3775.5	3803.4	3831.3	3859.2	3863.7	3868.3
20°	4001.7	4007.7	4013.0	4019.0	4024.3	3965.5	3907.5	3848.7	3789.9	3800.4	3810.2
22.5°	4562.5	4529.3	4496.9	4463.7	4431.3	4320.5	4210.5	4099.7	3989.6	3942.1	3895.4
25°	5406.7	5322.2	5237.8	5153.4	5069.0	4892.6	4717.0	4540.6	4365.0	4261.7	4159.2
27.5°	5678.8	5494.9	5311.7	5127.8	4943.9	4810.5	4677.8	4544.4	4411.7	4248.2	4084.6
30°	6229.0	5938.8	5649.4	5359.2	5069.0	4940.1	4811.2	4681.6	4552.7	4385.3	4218.8
32.5°	6716.7	6415.2	6113.7	5811.4	5509.9	5265.7	5021.5	4777.3	4533.1	4420.0	4306.9
35°	7281.3	6902.1	6523.0	6143.8	5764.7	5555.2	5346.4	5136.8	4928.0	4756.9	4586.6
37.5°	8103.6	7700.3	7297.1	6893.1	6489.8	6206.4	5923.7	5640.3	5357.7	5263.5	5170.0
40°	8887.5	8411.1	7935.5	7459.1	6983.5	6766.4	6549.4	6331.5	6114.4	5955.4	5796.4
42.5°	9544.0	9072.9	8602.6	8131.5	7661.1	7502.9	7345.3	7187.0	7029.5	6898.3	6767.2
45°	9769.4	9385.0	9001.3	8616.9	8232.5	8176.7	8121.7	8065.9	8010.9	7913.7	7816.4
47.5°	10131.9	9740.0	9348.8	8956.8	8564.9	8585.2	8605.6	8626.7	8647.1	8652.3	8656.9
50°	10345.3	9972.9	9601.3	9228.9	8857.3	8956.1	9054.1	9152.8	9251.6	9475.4	9698.5
52.5°	10656.6	10291.0	9926.2	9560.6	9195.0	9362.4	9528.9	9696.3	9862.9	10176.4	10490.0
55°	11047.0	10697.3	10348.3	9998.5	9649.5	9812.4	9974.4	10137.2	10299.3	10648.3	10997.3
57.5°	11564.8	11190.2	10816.4	10441.7	10067.9	10217.9	10367.1	10517.1	10666.4	10998.0	11329.7
60°	12154.3	11747.2	11340.2	10932.4	10525.4	10566.9	10607.6	10649.0	10689.7	11049.3	11408.0
62.5°	12443.7	12066.8	11690.7	11313.8	10937.0	10821.6	10706.3	10590.2	10474.9	10796.8	11117.9
65°	12192.7	11933.4	11674.9	11415.6	11156.3	10952.8	10750.0	10546.5	10343.0	10544.2	10744.7
67.5°	11393.7	11246.7	11100.5	10953.5	10806.6	10465.1	10123.7	9781.4	9440.0	9453.6	9466.4
70°	10098.8	10059.6	10021.1	9981.9	9942.8	9429.4	8916.9	8403.6	7890.3	7811.9	7733.5
72.5°	8457.9	8483.5	8508.4	8534.0	8559.6	8007.9	7456.1	6904.4	6352.6	6222.2	6091.8
75°	6550.9	6692.6	6834.3	6976.7	7118.4	6590.8	6063.2	5534.8	5007.2	4846.6	4686.1
77.5°	4628.8	4893.4	5157.2	5421.7	5686.3	5209.2	4732.8	4255.7	3778.6	3674.5	3570.5
80°	3227.6	3357.2	3486.9	3616.5	3746.2	3506.5	3266.8	3027.1	2787.4	2816.0	2843.9
82.5°	2351.0	2381.1	2410.5	2440.7	2470.8	2372.8	2274.8	2176.1	2078.1	2152.7	2227.3
85°	1506.0	1613.8	1720.8	1828.6	1935.6	1827.1	1718.6	1609.3	1500.7	1550.5	1600.2
87.5°	336.9	532.9	728.9	925.6	1121.6	1016.1	911.3	805.8	700.2	652.7	606.0
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: P368086
 CATALOG NUMBER: MSA-SA3D-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: P368086

CATALOG NUMBER: MSA-SA3D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9
2.5°	1910.0	1950.0	1937.9	1926.6	1914.5	1902.5	1924.3	1946.2	1968.8	1990.7	1983.1
5°	2636.6	2644.2	2572.6	2501.7	2430.1	2358.5	2403.0	2447.4	2491.9	2536.4	2520.5
7.5°	3105.5	3067.8	3026.3	2984.9	2942.7	2901.2	2892.1	2883.1	2873.3	2864.3	2852.2
10°	3482.3	3508.7	3481.6	3455.2	3428.1	3400.9	3337.6	3274.3	3210.2	3146.9	3120.5
12.5°	3777.1	3806.5	3813.2	3819.3	3826.0	3832.8	3762.0	3691.9	3621.0	3550.2	3486.1
15°	3780.8	3805.7	3827.6	3848.7	3870.5	3891.6	3847.9	3804.9	3761.2	3717.5	3697.2
17.5°	3873.5	3878.1	3860.0	3842.6	3824.5	3807.2	3789.9	3773.3	3755.9	3739.4	3707.0
20°	3820.8	3831.3	3829.1	3826.8	3823.8	3821.5	3823.0	3823.8	3825.3	3826.0	3808.0
22.5°	3847.9	3800.4	3810.2	3819.3	3829.1	3838.1	3865.2	3892.4	3920.3	3947.4	4019.8
25°	4055.9	3952.7	3936.9	3921.8	3905.9	3890.9	3961.7	4031.8	4102.7	4173.5	4291.1
27.5°	3920.3	3756.7	3720.5	3684.3	3648.2	3612.0	3719.8	3826.8	3934.6	4042.4	4162.2
30°	4051.4	3884.8	3804.9	3725.0	3644.4	3564.5	3667.8	3770.3	3873.5	3976.0	4108.7
32.5°	4193.9	4080.8	4027.3	3974.5	3921.0	3868.3	3876.6	3884.8	3893.1	3901.4	4088.4
35°	4415.5	4244.4	4191.6	4138.9	4086.1	4033.3	4121.5	4209.0	4297.1	4384.6	4542.9
37.5°	5075.8	4981.6	4886.6	4791.6	4695.9	4600.9	4652.9	4704.9	4756.9	4808.9	4958.2
40°	5637.3	5478.3	5462.4	5447.4	5431.5	5415.7	5420.2	5424.0	5428.5	5433.0	5560.4
42.5°	6635.3	6504.1	6423.5	6342.8	6262.2	6181.5	6176.2	6171.0	6164.9	6159.7	6255.4
45°	7718.4	7621.2	7560.9	7500.6	7439.5	7379.2	7283.5	7187.8	7091.3	6995.6	7079.2
47.5°	8662.1	8667.4	8776.7	8885.2	8994.5	9103.8	8940.3	8776.7	8613.1	8449.6	8341.8
50°	9922.4	10145.5	10171.9	10197.5	10223.9	10250.3	9972.9	9696.3	9418.9	9141.5	9028.5
52.5°	10804.3	11117.9	11077.2	11037.2	10996.5	10955.8	10795.2	10635.5	10474.9	10314.4	10067.9
55°	11347.0	11696.0	11665.1	11634.9	11604.0	11573.1	11456.3	11339.5	11222.6	11105.8	10835.2
57.5°	11661.3	11993.0	12002.0	12011.1	12020.1	12029.1	11998.2	11967.3	11936.4	11905.5	11553.5
60°	11767.6	12127.1	12130.9	12133.9	12137.7	12140.7	12091.7	12042.7	11993.0	11944.0	11714.1
62.5°	11439.7	11760.8	11775.1	11788.7	11803.0	11817.3	11783.4	11749.5	11715.6	11681.7	11511.3
65°	10946.0	11147.2	11151.0	11154.0	11157.8	11161.6	11075.6	10990.5	10904.5	10818.6	10777.9
67.5°	9479.9	9493.5	9573.4	9653.3	9733.2	9813.1	9819.9	9826.7	9834.2	9841.0	9782.2
70°	7655.1	7576.7	7663.4	7750.1	7836.8	7923.4	7960.4	7997.3	8035.0	8071.9	8099.1
72.5°	5960.7	5830.3	5894.3	5958.4	6023.2	6087.3	6032.3	5977.3	5922.2	5867.2	6041.3
75°	4525.5	4365.0	4356.7	4349.2	4340.9	4333.3	4305.4	4277.5	4248.9	4221.0	4383.8
77.5°	3465.8	3361.7	3367.0	3371.5	3376.8	3381.3	3352.7	3324.8	3296.2	3267.5	3330.1
80°	2872.6	2900.4	2901.2	2901.9	2902.7	2903.5	2876.3	2849.9	2822.8	2795.7	2750.4
82.5°	2302.7	2377.3	2376.6	2376.6	2375.8	2375.1	2373.6	2372.1	2369.8	2368.3	2294.4
85°	1650.0	1699.7	1648.5	1597.2	1545.9	1494.7	1532.4	1570.1	1608.5	1646.2	1615.3
87.5°	558.5	511.8	450.7	390.4	329.4	268.3	333.9	399.5	465.8	531.4	569.1
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: P368086
 CATALOG NUMBER: MSA-SA3D-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: P368086

CATALOG NUMBER: MSA-SA3D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9	1637.9
2.5°	1976.3	1968.8	1962.0	1914.5	1866.3	1818.8	1770.6	1858.0	1946.2	2033.6	2121.1
5°	2505.5	2489.6	2474.6	2470.8	2467.0	2462.5	2458.7	2503.2	2547.7	2591.4	2635.9
7.5°	2840.1	2828.1	2816.0	2784.4	2753.5	2721.8	2690.1	2717.3	2743.7	2770.8	2797.2
10°	3094.9	3068.5	3042.1	2973.6	2905.7	2837.1	2768.5	2748.2	2727.8	2707.5	2687.1
12.5°	3422.0	3357.2	3293.1	3215.5	3137.1	3059.5	2981.1	2970.5	2960.0	2950.2	2939.6
15°	3677.6	3657.2	3636.9	3575.0	3513.2	3451.4	3389.6	3306.7	3223.0	3140.1	3057.2
17.5°	3675.3	3642.9	3611.2	3694.1	3776.3	3859.2	3941.4	3853.2	3764.2	3676.1	3587.9
20°	3789.9	3771.0	3752.9	3905.9	4058.2	4211.2	4363.5	4315.2	4266.2	4218.0	4169.0
22.5°	4091.4	4163.7	4235.3	4366.5	4496.9	4628.0	4758.4	4813.5	4868.5	4923.5	4978.5
25°	4407.9	4525.5	4643.1	4838.3	5032.8	5228.0	5423.3	5462.4	5501.6	5540.8	5580.0
27.5°	4281.3	4401.2	4521.0	4668.7	4815.7	4963.5	5110.4	5282.3	5454.9	5626.8	5798.6
30°	4240.6	4373.3	4505.2	4707.9	4909.9	5112.7	5315.5	5552.1	5788.8	6024.7	6261.4
32.5°	4274.5	4461.5	4648.4	4922.8	5196.4	5470.7	5745.1	5993.8	6243.3	6492.1	6740.8
35°	4700.4	4858.7	5016.2	5323.0	5629.8	5936.6	6243.3	6535.0	6826.7	7117.7	7409.4
37.5°	5106.7	5255.9	5405.2	5718.7	6031.5	6345.1	6658.7	7119.2	7580.5	8041.0	8501.6
40°	5687.1	5814.4	5941.1	6209.4	6477.8	6746.1	7014.4	7569.9	8125.5	8681.0	9236.5
42.5°	6350.4	6446.1	6541.1	6819.2	7097.3	7375.5	7653.6	8258.1	8863.4	9467.9	10072.4
45°	7162.2	7245.8	7329.5	7520.9	7712.4	7904.6	8096.1	8719.4	9342.8	9966.1	10589.5
47.5°	8234.0	8126.2	8018.4	8112.6	8206.9	8301.1	8395.3	9011.9	9628.4	10244.3	10860.8
50°	8915.4	8802.3	8689.3	8697.6	8705.1	8713.4	8721.7	9296.8	9871.9	10446.3	11021.4
52.5°	9821.4	9574.2	9327.7	9325.4	9323.2	9320.2	9317.9	9819.1	10321.1	10822.4	11323.6
55°	10564.6	10294.0	10023.4	9970.6	9917.9	9864.4	9811.6	10307.6	10802.8	11298.8	11794.0
57.5°	11201.5	10848.8	10496.8	10413.8	10330.9	10248.0	10165.1	10699.5	11234.7	11769.1	12303.5
60°	11484.9	11255.0	11025.9	10924.1	10822.4	10720.6	10618.9	11074.1	11529.4	11983.9	12439.2
62.5°	11341.7	11171.4	11001.8	11025.1	11048.5	11071.9	11095.2	11355.3	11616.1	11876.1	12136.2
65°	10738.0	10697.3	10657.3	10845.7	11034.2	11222.6	11411.1	11414.8	11418.6	11422.4	11426.1
67.5°	9723.4	9664.6	9605.8	9997.8	10389.0	10780.9	11172.9	10986.7	10800.5	10615.1	10428.9
70°	8125.5	8152.6	8179.0	8712.6	9245.5	9779.2	10312.8	10043.0	9772.4	9502.6	9232.0
72.5°	6215.4	6390.3	6564.4	7117.7	7670.9	8224.2	8777.5	8469.2	8160.1	7851.8	7542.8
75°	4546.6	4709.4	4872.3	5418.7	5965.2	6512.4	7058.9	6692.6	6326.2	5960.7	5594.4
77.5°	3392.6	3456.0	3518.5	3973.0	4426.8	4881.3	5335.1	4967.2	4599.4	4232.3	3864.5
80°	2706.0	2660.7	2616.3	2868.0	3119.8	3371.5	3623.3	3362.5	3100.9	2840.1	2579.3
82.5°	2221.3	2147.4	2074.3	2167.8	2261.3	2355.5	2448.9	2240.2	2031.4	1822.6	1613.8
85°	1584.4	1553.5	1522.6	1549.7	1576.1	1603.2	1630.4	1426.9	1223.3	1020.6	817.1
87.5°	606.0	643.7	681.4	724.4	766.6	809.5	851.7	667.1	482.4	298.5	113.8
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: P368086
 CATALOG NUMBER: MSA-SA3D-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: P368086
 CATALOG NUMBER: MSA-SA3D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1637.9	1637.9
2.5°	2157.2	2193.4
5°	2635.1	2634.4
7.5°	2785.1	2772.3
10°	2654.0	2620.8
12.5°	2841.6	2742.9
15°	2959.2	2860.5
17.5°	3439.4	3290.1
20°	3991.9	3814.0
22.5°	4707.9	4437.3
25°	5256.7	4932.6
27.5°	5606.4	5413.5
30°	6040.6	5819.7
32.5°	6578.0	6414.4
35°	7260.1	7110.1
37.5°	8454.8	8407.4
40°	9180.0	9122.7
42.5°	10074.7	10076.2
45°	10623.4	10657.3
47.5°	10946.8	11031.9
50°	11204.5	11386.9
52.5°	11573.1	11822.6
55°	12125.6	12456.5
57.5°	12585.4	12867.3
60°	12585.4	12730.9
62.5°	12132.4	12127.9
65°	11356.0	11285.2
67.5°	10340.0	10251.0
70°	9093.3	8953.8
72.5°	7370.2	7196.8
75°	5356.9	5118.7
77.5°	3751.4	3637.6
80°	2634.4	2689.4
82.5°	1692.2	1770.6
85°	805.0	792.9
87.5°	95.0	76.1
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: P368086
CATALOG NUMBER: MSA-SA3D-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)