

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: P368108

Luminaire Tested: **MSA-SA3D-740-U-SLR**

Issue Date: 12/2/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P368108  
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-740-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: 17051 lumens  
Efficiency: N/A  
Efficacy: 88.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G3

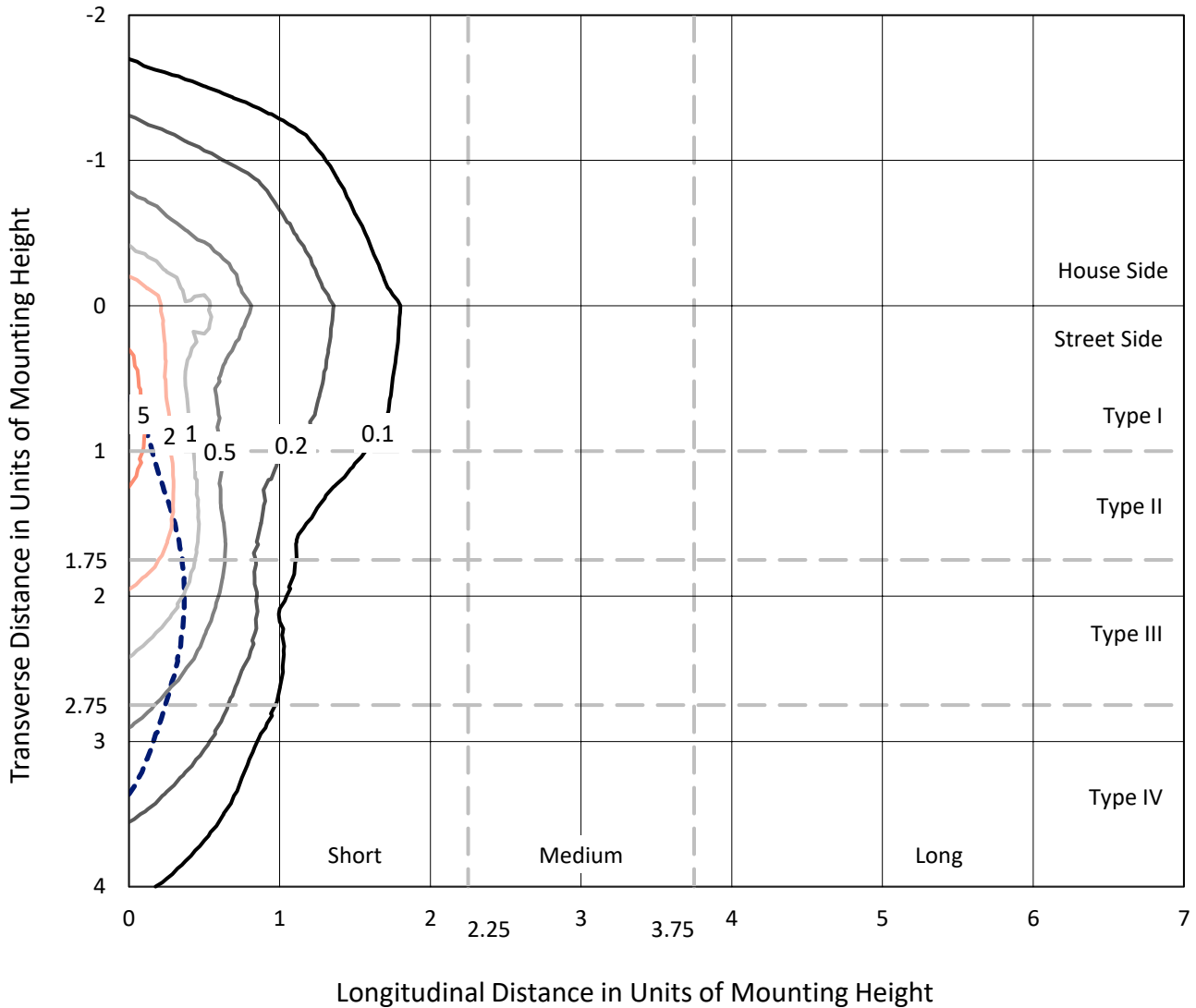
Input Watts (W): 192  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

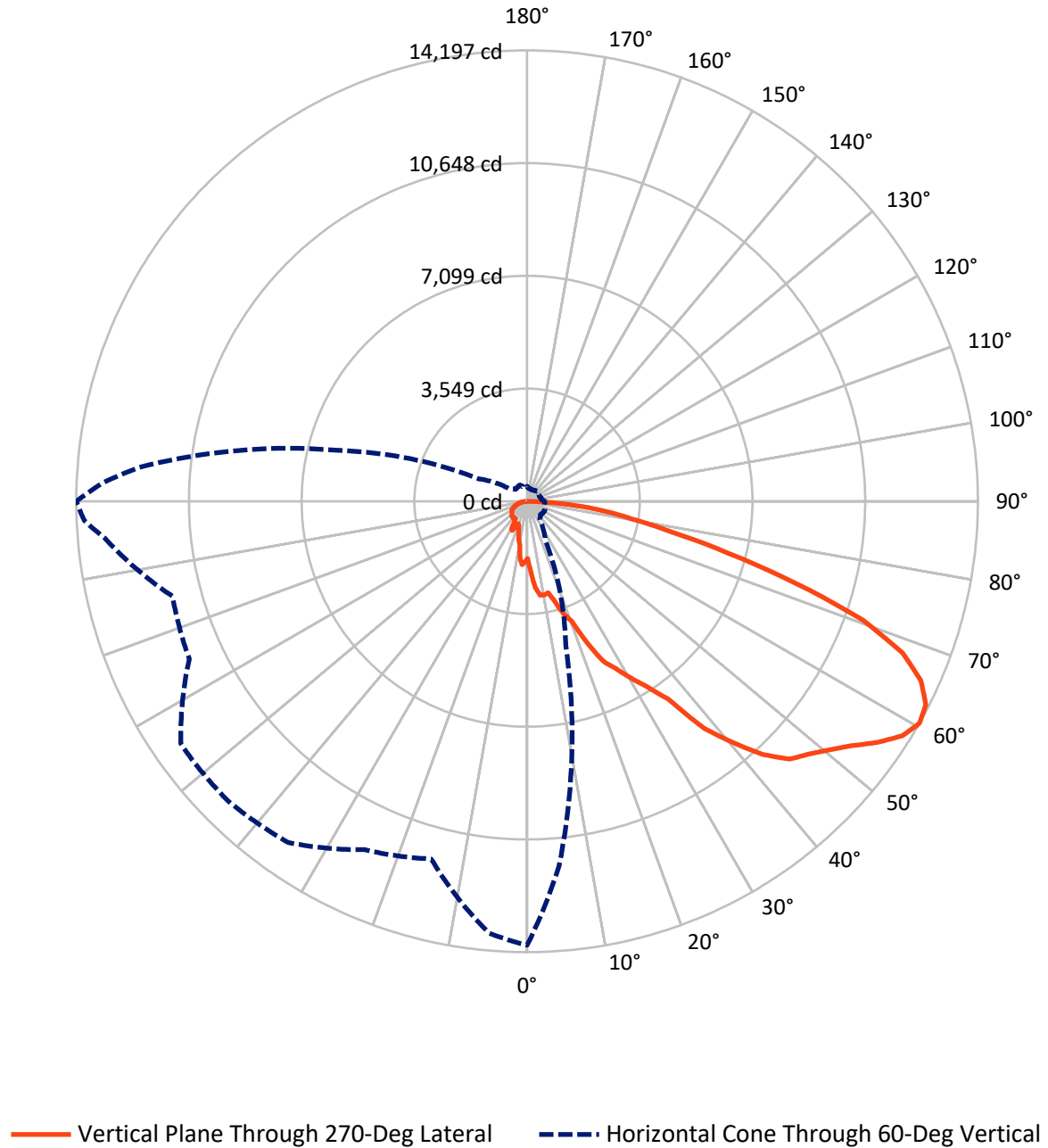
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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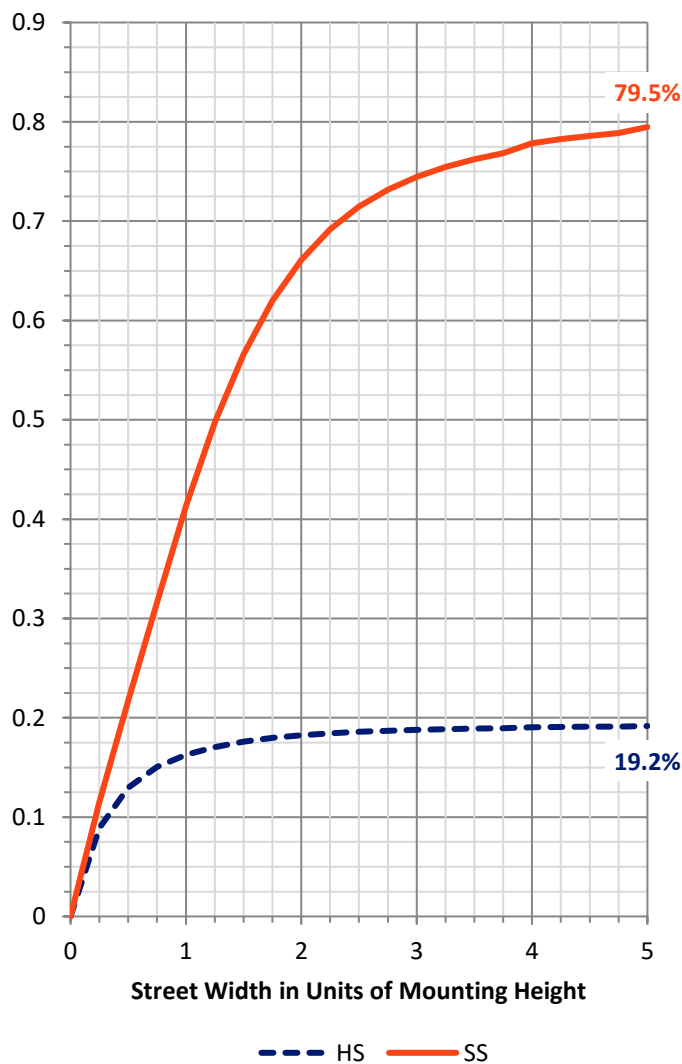
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3302.4	0.0	3302.4
	% Fixture	19.4	0.0	19.4
<b>Street Side</b>	Lumens	13748.6	0.0	13748.6
	% Fixture	80.6	0.0	80.6
<b>Total</b>	Lumens	17051.0	0.0	17051.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	206.2	1.2
10°-20°	599.1	3.5
20°-30°	1057.7	6.2
30°-40°	1647.2	9.7
40°-50°	2711.9	15.9
50°-60°	3870.8	22.7
60°-70°	4104.5	24.1
70°-80°	2267.0	13.3
80°-90°	586.6	3.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	17051.0	100.0
0°-180°	17051.0	100.0

**Coefficient of Utilization**



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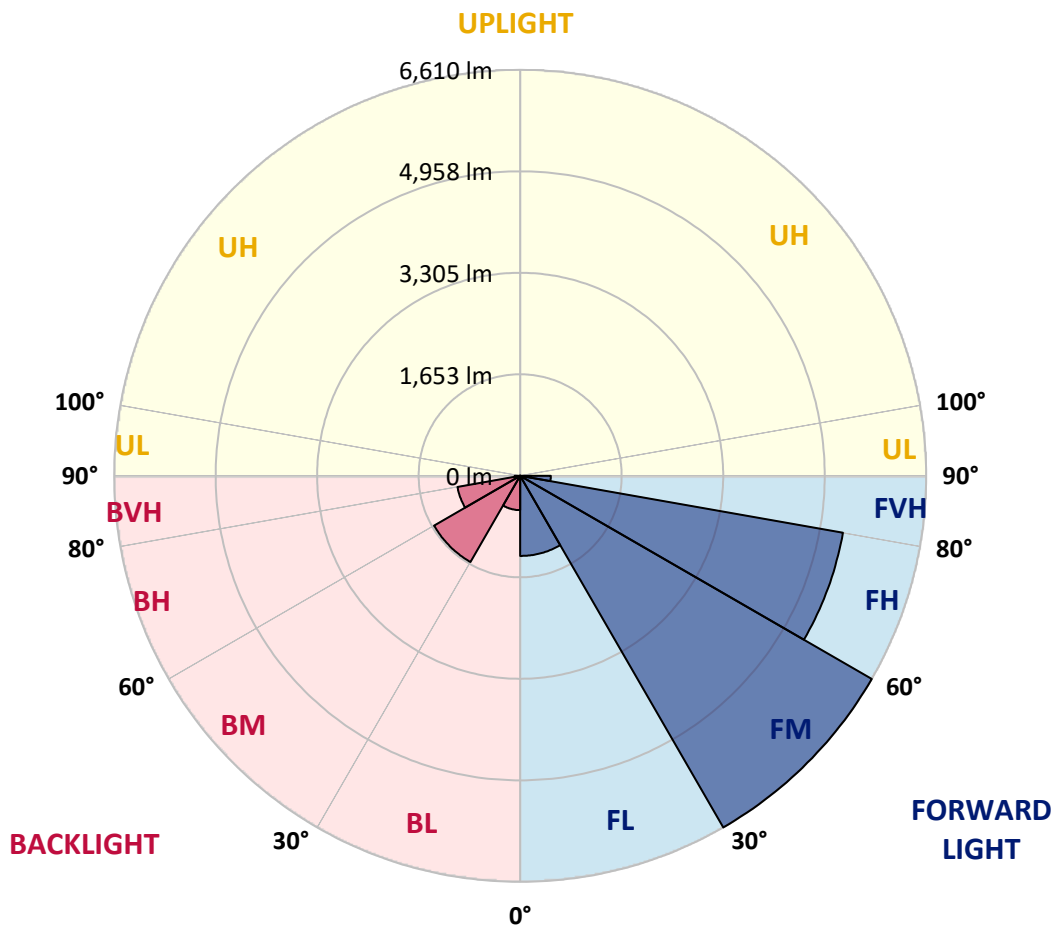
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1304.7	7.7			
FM (30°-60°)	6610.1	38.8			
FH (60°-80°)	5335.3	31.3			G3/7500
FVH (80°-90°)	498.5	2.9			G3/500
BL (0°-30°)	558.3	3.3	B2/1000		
BM (30°-60°)	1619.9	9.5	B2/2500		
BH (60°-80°)	1036.2	6.1	B3/2500		G3/2500
BVH (80°-90°)	88.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-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°	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4
2.5°	2408.4	2423.3	2437.4	2409.2	2381.1	2352.1	2324.0	2281.8	2238.7	2196.5	2153.5
5°	2892.6	2837.9	2782.5	2760.1	2738.6	2716.3	2693.9	2673.2	2652.5	2631.0	2610.3
7.5°	3044.0	2966.2	2887.6	2854.5	2821.4	2787.5	2754.3	2679.9	2605.4	2530.1	2455.6
10°	2877.7	2796.6	2714.6	2682.3	2649.2	2617.0	2583.9	2492.8	2402.6	2311.6	2220.5
12.5°	3011.7	2929.0	2845.4	2742.8	2640.1	2536.7	2434.1	2383.6	2333.1	2281.8	2231.3
15°	3140.8	3029.1	2916.6	2813.9	2711.3	2607.9	2505.2	2404.3	2303.3	2202.3	2101.3
17.5°	3612.6	3426.4	3240.2	3054.8	2868.6	2683.2	2497.0	2380.3	2262.7	2146.0	2028.5
20°	4187.8	3928.8	3668.9	3387.5	3105.3	2823.9	2541.6	2394.3	2247.8	2100.5	1953.2
22.5°	4872.2	4545.3	4218.4	3863.4	3508.3	3152.4	2797.4	2583.9	2370.3	2156.0	1942.4
25°	5416.0	5101.5	4787.0	4336.8	3886.5	3436.3	2986.1	2743.6	2501.1	2257.8	2015.3
27.5°	5944.0	5443.3	4941.8	4426.2	3911.4	3395.8	2880.1	2655.9	2431.6	2207.3	1983.0
30°	6390.1	5992.9	5595.6	4922.7	4249.9	3576.2	2903.3	2627.7	2352.1	2076.5	1800.9
32.5°	7043.1	6476.2	5908.4	5206.6	4504.8	3803.0	3101.1	2748.6	2396.0	2043.4	1690.8
35°	7807.0	7217.7	6628.5	5760.3	4892.9	4024.8	3156.6	2783.3	2409.2	2036.0	1661.9
37.5°	9231.4	8192.7	7153.2	6205.6	5257.9	4309.5	3361.8	2928.1	2494.5	2060.0	1626.3
40°	10016.8	9056.7	8096.7	6915.7	5734.6	4552.8	3371.8	2928.1	2483.7	2040.1	1595.7
42.5°	11063.7	9849.6	8634.6	7357.6	6081.4	4804.4	3527.4	3035.7	2544.1	2051.7	1560.1
45°	11701.8	10348.7	8994.7	7629.9	6265.1	4900.4	3535.6	3036.6	2537.5	2038.4	1539.4
47.5°	12113.2	10813.8	9513.6	8044.5	6575.5	5105.6	3636.6	3106.9	2576.4	2046.7	1516.2
50°	12503.0	11216.0	9928.2	8402.9	6878.4	5353.1	3827.8	3249.3	2670.8	2091.4	1512.9
52.5°	12981.3	11796.2	10610.2	8974.0	7336.9	5700.7	4063.7	3433.8	2804.0	2174.2	1544.4
55°	13677.4	12509.6	11341.0	9584.8	7827.7	6071.5	4314.4	3615.1	2916.6	2217.2	1517.9
57.5°	14128.4	12944.1	11759.8	9968.8	8177.8	6386.0	4595.0	3820.3	3045.7	2270.2	1495.5
60°	13978.6	12757.1	11534.7	9827.3	8119.9	6412.5	4705.1	3868.3	3032.4	2195.7	1359.0
62.5°	13316.5	12018.0	10719.4	9190.0	7661.4	6131.9	4602.4	3751.6	2901.7	2050.9	1200.1
65°	12391.2	11048.8	9705.6	8325.9	6946.3	5566.6	4187.0	3414.8	2641.8	1869.6	1096.6
67.5°	11255.7	9856.2	8455.9	7234.3	6012.7	4790.3	3568.7	2923.2	2278.5	1632.9	987.4
70°	9831.4	8455.9	7080.4	6023.5	4966.6	3909.7	2852.8	2367.0	1882.0	1396.2	910.4
72.5°	7902.2	6715.4	5528.6	4696.8	3865.0	3033.3	2201.5	1863.8	1527.0	1189.3	851.6
75°	5620.4	4922.7	4225.0	3577.8	2930.6	2282.6	1635.4	1416.9	1198.4	979.9	761.4
77.5°	3994.1	3582.8	3171.5	2664.1	2156.8	1649.5	1142.1	1013.8	886.4	758.1	629.8
80°	2953.0	2609.5	2266.0	1883.7	1501.3	1119.0	736.6	673.7	611.6	548.7	485.8
82.5°	1944.1	1789.3	1633.7	1330.8	1027.9	725.0	422.1	398.9	375.7	352.6	329.4
85°	870.7	919.5	967.5	782.1	595.9	410.5	224.3	213.5	202.8	192.0	181.3
87.5°	83.6	123.3	163.0	139.9	115.9	92.7	68.7	67.9	67.9	67.0	66.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

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





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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4
2.5°	2165.1	2176.7	2188.2	2199.8	2187.4	2175.0	2161.8	2149.4	2133.6	2117.9	2101.3
5°	2575.6	2540.0	2505.2	2469.6	2416.7	2363.7	2309.9	2256.9	2250.3	2242.9	2236.3
7.5°	2390.2	2325.6	2260.3	2194.9	2112.1	2030.2	1947.4	1864.6	1839.8	1815.0	1790.2
10°	2176.7	2132.0	2088.1	2043.4	1992.1	1940.8	1888.6	1837.3	1769.5	1700.8	1632.9
12.5°	2158.5	2085.6	2012.0	1939.1	1907.7	1876.2	1844.8	1813.3	1753.7	1694.2	1633.7
15°	2042.6	1983.0	1924.2	1864.6	1819.1	1773.6	1728.1	1682.6	1634.6	1585.7	1537.7
17.5°	1960.7	1892.8	1824.9	1757.1	1704.9	1652.8	1599.8	1547.7	1489.7	1431.0	1373.0
20°	1875.4	1798.4	1720.6	1642.8	1576.6	1511.2	1445.0	1378.8	1315.1	1252.2	1188.5
22.5°	1840.6	1738.8	1637.0	1535.3	1465.7	1395.4	1325.9	1255.5	1196.8	1138.0	1079.2
25°	1893.6	1772.8	1651.1	1529.5	1435.9	1341.6	1248.1	1153.7	1104.9	1056.1	1006.4
27.5°	1831.5	1679.3	1527.8	1375.5	1275.4	1174.4	1074.3	973.3	965.8	958.4	950.1
30°	1641.2	1481.5	1321.7	1162.0	1070.1	977.4	885.6	792.9	775.5	757.3	739.9
32.5°	1527.8	1364.8	1201.7	1038.7	956.7	874.0	792.0	709.3	689.4	669.6	649.7
35°	1484.8	1307.7	1130.5	953.4	883.1	812.7	742.4	672.0	658.0	644.7	630.7
37.5°	1450.0	1274.5	1098.3	922.0	854.1	786.2	717.6	649.7	638.9	628.2	617.4
40°	1416.9	1239.0	1060.2	881.4	821.0	761.4	701.0	640.6	634.0	627.3	619.9
42.5°	1387.1	1214.1	1040.3	867.4	813.6	760.6	706.8	653.0	646.4	639.8	633.1
45°	1370.6	1201.7	1032.9	864.0	825.1	786.2	746.5	707.6	691.9	676.2	659.6
47.5°	1358.1	1200.1	1042.0	883.9	843.4	802.8	762.2	721.7	707.6	693.6	678.7
50°	1360.6	1209.2	1056.9	904.6	855.8	806.1	757.3	707.6	706.0	704.3	702.7
52.5°	1383.0	1222.4	1061.0	899.6	846.7	793.7	739.9	686.9	697.7	707.6	718.4
55°	1350.7	1183.5	1015.5	848.3	797.8	748.2	697.7	647.2	661.3	674.5	688.6
57.5°	1314.3	1133.0	951.8	770.5	732.5	694.4	655.5	617.4	632.3	648.0	662.9
60°	1193.4	1027.9	862.4	696.9	671.2	645.5	619.9	594.2	600.9	607.5	614.1
62.5°	1061.0	921.2	782.1	642.2	622.4	601.7	581.8	561.1	561.1	562.0	562.0
65°	976.6	856.6	736.6	616.6	594.2	571.9	548.7	526.4	523.1	519.8	516.4
67.5°	892.2	797.8	702.7	607.5	575.2	543.8	511.5	479.2	475.1	471.7	467.6
70°	826.0	741.6	657.1	572.7	536.3	500.7	464.3	427.9	424.6	422.1	418.8
72.5°	772.2	693.6	614.1	534.6	496.6	457.7	419.6	380.7	378.2	375.7	372.4
75°	691.1	621.5	551.2	480.9	443.6	407.2	369.9	332.7	329.4	326.9	323.6
77.5°	571.9	513.1	455.2	396.4	367.5	339.3	310.4	281.4	279.7	278.1	275.6
80°	440.3	394.8	348.4	302.9	283.9	264.0	245.0	225.1	224.3	223.5	221.8
82.5°	302.1	274.8	247.5	220.1	206.1	191.2	177.1	162.2	163.0	163.9	164.7
85°	172.1	162.2	153.1	143.2	131.6	120.8	109.2	97.7	100.1	102.6	104.3
87.5°	62.9	59.6	56.3	53.0	47.2	42.2	36.4	30.6	32.3	34.8	36.4
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: P368108  
 CATALOG NUMBER: MSA-SA3D-740-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: P368108

CATALOG NUMBER: MSA-SA3D-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4
2.5°	2085.6	2060.8	2036.0	2011.1	1986.3	1935.0	1884.5	1833.2	1781.9	1813.3	1845.6
5°	2228.8	2186.6	2143.6	2101.3	2058.3	2034.3	2010.3	1986.3	1962.3	1974.7	1988.0
7.5°	1765.3	1740.5	1714.8	1690.0	1664.4	1653.6	1643.7	1632.9	1622.2	1652.8	1683.4
10°	1564.2	1529.5	1494.7	1459.1	1424.3	1403.7	1383.0	1362.3	1341.6	1349.9	1358.1
12.5°	1574.1	1522.8	1471.5	1420.2	1368.9	1338.3	1307.7	1277.0	1246.4	1253.9	1261.3
15°	1488.9	1435.9	1383.0	1330.0	1277.0	1241.4	1205.0	1169.4	1133.0	1120.6	1107.4
17.5°	1314.3	1256.3	1198.4	1140.5	1082.5	1058.5	1034.5	1010.5	986.5	973.3	960.0
20°	1124.7	1071.0	1017.2	963.4	909.6	893.0	876.5	859.1	842.5	834.2	825.1
22.5°	1020.5	987.4	953.4	920.3	886.4	867.4	849.1	830.1	811.1	802.0	792.0
25°	957.6	964.2	971.6	978.3	984.9	976.6	967.5	959.2	950.1	953.4	955.9
27.5°	942.7	956.7	971.6	985.7	999.8	1007.2	1014.7	1022.1	1029.6	1032.1	1034.5
30°	721.7	729.1	735.8	743.2	749.8	770.5	791.2	811.1	831.8	864.0	897.1
32.5°	629.8	627.3	624.9	621.5	619.1	624.0	629.0	633.1	638.1	649.7	662.1
35°	616.6	610.8	604.2	598.4	591.8	594.2	596.7	599.2	601.7	610.8	619.9
37.5°	606.7	604.2	602.5	600.0	597.5	603.3	608.3	614.1	619.1	626.5	634.0
40°	613.3	612.4	611.6	610.0	609.1	612.4	615.8	619.1	622.4	632.3	642.2
42.5°	626.5	626.5	625.7	625.7	624.9	628.2	630.7	634.0	636.4	642.2	648.0
45°	643.9	642.2	641.4	639.8	638.1	637.3	637.3	636.4	635.6	638.9	643.1
47.5°	664.6	658.8	652.2	646.4	639.8	638.1	635.6	634.0	631.5	633.1	634.8
50°	701.0	685.3	670.4	654.7	638.9	634.8	630.7	626.5	622.4	621.5	621.5
52.5°	728.3	705.1	682.0	658.8	635.6	628.2	620.7	613.3	605.8	604.2	603.3
55°	701.8	684.4	667.9	650.5	633.1	622.4	610.8	600.0	588.4	586.0	583.5
57.5°	677.8	667.1	656.3	645.5	634.8	624.0	612.4	601.7	590.1	584.3	578.5
60°	620.7	620.7	621.5	621.5	621.5	610.0	598.4	586.8	575.2	569.4	564.4
62.5°	562.0	571.1	579.3	588.4	596.7	581.0	564.4	548.7	532.2	528.0	524.7
65°	513.1	515.6	518.9	521.4	523.9	511.5	499.1	486.6	474.2	471.7	468.4
67.5°	463.5	462.6	461.8	460.2	459.3	451.9	443.6	436.2	427.9	424.6	421.3
70°	415.5	414.6	413.8	412.2	411.3	404.7	398.1	391.5	384.8	382.4	379.9
72.5°	369.9	369.1	367.5	366.6	365.0	359.2	354.2	348.4	342.6	339.3	336.0
75°	320.3	318.6	317.0	315.3	313.7	308.7	303.7	297.9	293.0	289.7	286.4
77.5°	273.9	271.5	269.0	265.7	263.2	259.0	254.1	249.9	245.0	240.8	237.5
80°	221.0	219.3	217.7	215.2	213.5	209.4	205.3	200.3	196.1	191.2	187.0
82.5°	165.5	164.7	163.0	162.2	160.6	156.4	152.3	148.1	144.0	139.0	134.1
85°	106.8	105.9	105.1	104.3	103.5	100.1	97.7	94.3	91.0	86.1	81.9
87.5°	38.1	36.4	35.6	33.9	32.3	31.4	29.8	29.0	27.3	24.8	22.3
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: P368108  
 CATALOG NUMBER: MSA-SA3D-740-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: P368108

CATALOG NUMBER: MSA-SA3D-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4
2.5°	1877.1	1908.5	1909.3	1909.3	1924.2	1938.3	1909.3	1880.4	1850.6	1821.6	1792.6
5°	2000.4	2012.8	2009.5	2005.3	1987.1	1968.9	1949.9	1930.9	1911.8	1892.8	1893.6
7.5°	1714.0	1744.6	1769.5	1793.5	1770.3	1747.1	1734.7	1722.3	1709.9	1697.5	1695.8
10°	1365.6	1373.9	1383.8	1392.9	1378.8	1363.9	1388.8	1413.6	1437.6	1462.4	1435.1
12.5°	1268.8	1276.2	1258.8	1240.6	1234.8	1229.0	1223.2	1216.6	1210.8	1204.2	1200.9
15°	1095.0	1081.7	1068.5	1054.4	1051.1	1046.9	1042.8	1037.8	1033.7	1028.7	1013.8
17.5°	946.8	933.6	911.2	888.0	878.9	869.0	866.5	864.0	860.7	858.3	844.2
20°	816.9	807.8	802.0	795.4	786.2	777.1	768.0	758.9	749.0	739.9	726.7
22.5°	782.9	773.0	765.6	757.3	755.6	754.0	737.4	720.0	703.5	686.1	678.7
25°	959.2	961.7	916.2	869.8	865.7	861.6	831.8	801.1	771.3	740.7	715.1
27.5°	1036.2	1038.7	1037.0	1035.4	1022.1	1008.1	957.6	906.3	855.8	804.5	768.0
30°	929.4	961.7	974.1	986.5	977.4	967.5	914.5	862.4	809.4	756.5	732.5
32.5°	673.7	685.3	706.0	725.8	736.6	746.5	730.0	713.4	696.9	680.3	676.2
35°	628.2	637.3	641.4	645.5	638.9	632.3	619.9	607.5	594.2	581.8	579.3
37.5°	640.6	648.0	656.3	664.6	646.4	627.3	613.3	600.0	586.0	571.9	560.3
40°	652.2	662.1	667.1	672.0	653.8	635.6	618.2	601.7	584.3	566.9	555.3
42.5°	653.8	659.6	668.7	677.8	652.2	625.7	610.0	593.4	577.7	561.1	549.5
45°	646.4	649.7	658.0	666.2	636.4	605.8	591.8	576.9	562.8	547.9	538.0
47.5°	635.6	637.3	643.9	649.7	618.2	586.0	572.7	559.5	545.4	532.2	522.2
50°	620.7	619.9	624.9	629.0	596.7	564.4	551.2	538.8	525.5	512.3	504.0
52.5°	601.7	600.0	605.0	609.1	575.2	541.3	529.7	518.9	507.3	495.7	489.1
55°	580.2	577.7	581.8	586.0	552.9	518.9	509.0	498.2	488.3	477.5	471.7
57.5°	571.9	566.1	568.6	571.1	533.8	496.6	486.6	476.7	466.8	456.9	452.7
60°	558.6	552.9	555.3	557.0	517.3	476.7	467.6	457.7	448.6	438.6	434.5
62.5°	520.6	516.4	519.8	523.1	487.5	451.1	442.8	435.3	427.1	418.8	413.0
65°	466.0	462.6	469.3	475.9	445.3	414.6	409.7	404.7	398.9	394.0	388.2
67.5°	418.0	414.6	421.3	427.9	405.5	383.2	378.2	373.3	368.3	363.3	360.0
70°	377.4	374.9	380.7	386.5	367.5	348.4	343.5	339.3	334.4	329.4	326.9
72.5°	331.9	328.6	336.0	342.6	326.9	310.4	306.2	301.3	297.1	292.2	290.5
75°	283.0	279.7	286.4	292.2	281.4	269.8	265.7	261.5	257.4	253.3	252.4
77.5°	233.4	229.3	235.9	241.7	235.0	227.6	224.3	220.1	216.8	212.7	212.7
80°	182.1	177.1	182.1	186.2	183.7	181.3	178.8	175.5	173.0	169.7	170.5
82.5°	129.1	124.1	126.6	129.1	130.8	132.4	132.4	132.4	132.4	132.4	132.4
85°	77.0	72.0	72.8	73.7	76.1	78.6	79.5	80.3	81.1	81.9	82.8
87.5°	19.9	17.4	15.7	13.2	15.7	17.4	19.0	19.9	21.5	22.3	22.3
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: P368108  
 CATALOG NUMBER: MSA-SA3D-740-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: P368108  
 CATALOG NUMBER: MSA-SA3D-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4
2.5°	1763.7	1733.9	1704.9	1723.1	1740.5	1758.7	1776.1	1776.9	1776.9	1777.7	1777.7
5°	1895.3	1896.1	1896.9	1879.5	1863.0	1845.6	1828.2	1819.1	1810.0	1800.1	1791.0
7.5°	1693.3	1691.7	1689.2	1672.6	1656.1	1639.5	1623.0	1583.3	1542.7	1503.0	1462.4
10°	1407.0	1379.7	1351.5	1344.9	1339.1	1332.5	1325.9	1315.1	1305.2	1294.4	1283.7
12.5°	1197.6	1194.3	1191.0	1173.6	1156.2	1138.0	1120.6	1120.6	1120.6	1120.6	1120.6
15°	998.1	983.2	967.5	959.2	950.1	941.8	932.7	928.6	924.5	920.3	916.2
17.5°	829.3	815.2	800.3	798.7	797.0	795.4	793.7	789.6	785.4	781.3	777.1
20°	713.4	700.2	686.9	691.9	696.9	701.0	706.0	701.8	697.7	692.7	688.6
22.5°	670.4	662.9	654.7	650.5	646.4	641.4	637.3	637.3	638.1	638.1	638.1
25°	690.2	664.6	638.9	626.5	614.1	600.9	588.4	583.5	579.3	574.4	569.4
27.5°	731.6	694.4	658.0	636.4	614.9	593.4	571.9	562.8	552.9	543.8	533.8
30°	707.6	683.6	658.8	634.0	609.1	584.3	559.5	547.9	536.3	523.9	512.3
32.5°	672.0	667.1	662.9	639.8	616.6	592.6	569.4	564.4	560.3	555.3	550.4
35°	576.0	573.5	570.2	564.4	558.6	552.9	547.1	540.4	533.8	527.2	520.6
37.5°	549.5	538.0	526.4	523.9	521.4	518.9	516.4	514.0	511.5	508.2	505.7
40°	543.8	532.2	520.6	516.4	512.3	507.3	503.2	504.0	505.7	506.5	507.3
42.5°	537.1	525.5	513.1	509.8	506.5	503.2	499.9	500.7	502.4	503.2	504.0
45°	528.9	518.9	509.0	503.2	498.2	492.4	486.6	491.6	496.6	500.7	505.7
47.5°	512.3	501.5	491.6	488.3	485.0	480.9	477.5	482.5	487.5	491.6	496.6
50°	494.9	486.6	477.5	476.7	475.9	474.2	473.4	476.7	480.0	483.3	486.6
52.5°	481.7	475.1	467.6	467.6	466.8	466.8	466.0	469.3	472.6	475.1	478.4
55°	466.8	461.0	455.2	456.0	457.7	458.5	459.3	462.6	466.8	470.1	473.4
57.5°	447.7	443.6	438.6	442.0	444.4	447.7	450.2	452.7	456.0	458.5	461.0
60°	429.5	425.4	420.4	423.7	427.9	431.2	434.5	437.0	439.5	442.0	444.4
62.5°	407.2	400.6	394.8	399.7	403.9	408.8	413.0	414.6	417.1	418.8	420.4
65°	383.2	377.4	371.6	374.9	378.2	380.7	384.0	386.5	389.0	391.5	394.0
67.5°	355.9	352.6	348.4	350.9	353.4	355.9	358.4	359.2	359.2	360.0	360.0
70°	323.6	321.1	317.8	319.5	321.9	323.6	325.3	325.3	325.3	324.4	324.4
72.5°	289.7	288.0	286.4	287.2	288.8	289.7	290.5	289.7	288.8	288.0	287.2
75°	251.6	250.8	249.9	250.8	252.4	253.3	254.1	253.3	251.6	250.8	249.1
77.5°	213.5	213.5	213.5	213.5	214.4	214.4	214.4	212.7	211.0	209.4	207.7
80°	171.3	172.1	173.0	173.0	173.0	173.0	173.0	171.3	169.7	167.2	165.5
82.5°	132.4	132.4	132.4	132.4	133.2	133.2	133.2	129.1	125.8	121.7	117.5
85°	82.8	83.6	83.6	84.4	85.2	85.2	86.1	80.3	75.3	69.5	63.7
87.5°	22.3	22.3	22.3	22.3	22.3	21.5	21.5	16.6	10.8	5.8	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368108  
 CATALOG NUMBER: MSA-SA3D-740-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: P368108

CATALOG NUMBER: MSA-SA3D-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4
2.5°	1782.7	1787.7	1791.8	1796.8	1797.6	1798.4	1798.4	1799.3	1781.9	1764.5	1746.3
5°	1803.4	1815.0	1827.4	1839.0	1836.5	1834.0	1831.5	1829.1	1824.1	1820.0	1815.0
7.5°	1453.3	1445.0	1435.9	1426.8	1434.3	1441.7	1449.2	1456.6	1459.9	1463.2	1465.7
10°	1263.0	1242.3	1221.6	1200.9	1189.3	1176.9	1165.3	1152.9	1151.2	1150.4	1148.7
12.5°	1099.1	1076.7	1055.2	1032.9	1026.3	1018.8	1012.2	1004.7	1011.4	1018.0	1023.8
15°	907.1	898.8	889.7	880.6	888.0	895.5	902.9	910.4	917.0	922.8	929.4
17.5°	773.0	769.7	765.6	761.4	768.0	775.5	782.1	788.7	803.6	818.5	833.4
20°	685.3	682.8	679.5	676.2	673.7	670.4	667.9	664.6	686.1	706.8	728.3
22.5°	633.1	628.2	623.2	618.2	619.1	619.9	619.9	620.7	638.1	656.3	673.7
25°	567.8	566.1	564.4	562.8	567.8	572.7	576.9	581.8	597.5	613.3	628.2
27.5°	534.6	535.5	536.3	537.1	543.8	551.2	557.8	564.4	575.2	586.0	596.7
30°	516.4	521.4	525.5	529.7	532.2	534.6	537.1	539.6	550.4	560.3	571.1
32.5°	543.8	537.1	529.7	523.1	526.4	530.5	533.8	537.1	547.1	557.0	566.9
35°	518.1	514.8	512.3	509.0	513.1	517.3	520.6	524.7	533.8	542.1	551.2
37.5°	504.9	504.0	503.2	502.4	504.9	507.3	509.0	511.5	519.8	528.0	535.5
40°	504.0	499.9	496.6	492.4	494.9	497.4	499.1	501.5	511.5	521.4	531.3
42.5°	499.1	494.1	488.3	483.3	485.8	489.1	491.6	494.1	504.9	514.8	525.5
45°	498.2	490.8	482.5	475.1	478.4	481.7	485.0	488.3	496.6	504.9	512.3
47.5°	489.1	481.7	474.2	466.8	468.4	470.1	470.9	472.6	480.0	486.6	494.1
50°	481.7	475.9	470.9	465.1	462.6	461.0	458.5	456.0	461.8	467.6	473.4
52.5°	472.6	466.8	460.2	454.4	451.1	447.7	444.4	441.1	446.1	450.2	455.2
55°	466.8	459.3	452.7	445.3	441.1	437.0	432.8	428.7	432.0	434.5	437.8
57.5°	454.4	447.7	440.3	433.7	428.7	423.7	418.0	413.0	414.6	416.3	418.0
60°	437.8	430.4	423.7	416.3	410.5	404.7	398.1	392.3	393.1	394.8	395.6
62.5°	413.8	407.2	399.7	393.1	386.5	380.7	374.1	367.5	369.1	369.9	371.6
65°	387.3	379.9	373.3	365.8	360.0	354.2	347.6	341.8	343.5	345.1	345.9
67.5°	355.1	349.3	344.3	338.5	333.5	327.7	322.8	317.0	317.8	318.6	319.5
70°	320.3	315.3	311.2	306.2	302.1	297.9	293.8	289.7	289.7	290.5	290.5
72.5°	283.0	278.9	274.8	270.6	266.5	263.2	259.0	254.9	256.6	258.2	259.0
75°	245.0	241.7	237.5	233.4	230.1	226.8	222.6	219.3	221.0	222.6	223.5
77.5°	205.3	202.8	199.5	197.0	193.7	190.4	186.2	182.9	184.6	186.2	187.0
80°	163.9	162.2	159.7	158.1	154.8	151.5	148.1	144.8	145.7	145.7	146.5
82.5°	118.4	119.2	119.2	120.0	117.5	114.2	111.7	108.4	108.4	108.4	107.6
85°	66.2	69.5	72.0	74.5	72.0	69.5	67.0	64.6	63.7	63.7	62.9
87.5°	2.5	4.1	6.6	8.3	7.4	6.6	5.0	4.1	5.0	5.8	5.8
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: P368108  
 CATALOG NUMBER: MSA-SA3D-740-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: P368108

CATALOG NUMBER: MSA-SA3D-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4
2.5°	1728.9	1743.0	1757.1	1771.1	1785.2	1806.7	1828.2	1850.6	1872.9	1860.5	1847.3
5°	1810.0	1818.3	1827.4	1835.7	1844.0	1868.0	1891.1	1920.1	1948.2	1944.9	1940.8
7.5°	1469.0	1480.6	1492.2	1503.0	1514.6	1551.0	1587.4	1618.0	1648.6	1644.5	1639.5
10°	1147.1	1171.1	1195.9	1219.9	1243.9	1273.7	1302.7	1328.3	1354.0	1397.0	1439.2
12.5°	1030.4	1067.6	1104.9	1142.1	1179.4	1200.9	1221.6	1254.7	1287.8	1311.0	1335.0
15°	935.2	970.0	1004.7	1039.5	1074.3	1075.9	1077.6	1112.3	1147.1	1167.0	1186.0
17.5°	848.3	867.4	886.4	904.6	923.6	917.0	910.4	926.9	942.7	950.9	960.0
20°	749.0	762.2	775.5	788.7	802.0	811.1	819.4	829.3	838.4	830.1	821.0
22.5°	691.1	710.9	731.6	751.5	771.3	777.1	782.1	776.3	770.5	768.0	765.6
25°	643.9	667.9	692.7	716.7	740.7	752.3	763.9	768.9	773.0	763.9	754.8
27.5°	607.5	636.4	664.6	693.6	721.7	742.4	763.1	768.9	773.8	767.2	759.8
30°	581.0	612.4	643.9	675.3	706.8	738.2	768.9	796.2	822.7	820.2	817.7
32.5°	576.9	598.4	619.9	641.4	662.9	682.8	701.8	703.5	704.3	697.7	690.2
35°	559.5	573.5	587.6	601.7	615.8	628.2	639.8	638.1	636.4	629.8	623.2
37.5°	543.8	557.8	572.7	586.8	600.9	622.4	643.1	638.9	634.0	627.3	620.7
40°	541.3	557.0	572.7	587.6	603.3	623.2	643.1	638.9	634.8	626.5	618.2
42.5°	535.5	551.2	566.1	581.8	596.7	620.7	643.9	636.4	628.2	621.5	614.9
45°	520.6	534.6	548.7	562.8	576.9	602.5	628.2	619.1	610.0	607.5	604.2
47.5°	500.7	514.8	528.9	542.9	557.0	582.7	607.5	600.0	591.8	590.9	589.3
50°	479.2	492.4	506.5	519.8	533.0	558.6	583.5	576.9	570.2	571.1	571.1
52.5°	459.3	471.7	483.3	495.7	507.3	533.0	557.8	552.9	547.1	548.7	549.5
55°	440.3	450.2	460.2	470.1	480.0	504.9	529.7	522.2	514.8	517.3	519.8
57.5°	419.6	427.9	436.2	443.6	451.9	476.7	500.7	492.4	483.3	487.5	490.8
60°	396.4	403.9	411.3	418.0	425.4	447.7	469.3	461.8	453.5	459.3	464.3
62.5°	372.4	378.2	384.0	389.8	395.6	416.3	437.0	431.2	425.4	432.0	437.8
65°	347.6	351.7	356.7	360.8	365.0	384.8	403.9	399.7	395.6	401.4	407.2
67.5°	320.3	323.6	327.7	331.1	334.4	352.6	370.8	366.6	361.7	366.6	370.8
70°	290.5	293.8	296.3	299.6	302.1	318.6	335.2	329.4	322.8	327.7	331.9
72.5°	260.7	262.4	264.8	266.5	268.2	280.6	293.0	288.0	283.0	288.0	292.2
75°	225.1	226.8	228.4	230.1	231.7	242.5	252.4	246.6	240.0	245.0	249.9
77.5°	188.7	189.5	191.2	192.0	192.8	200.3	206.9	201.1	194.5	200.3	206.1
80°	146.5	147.3	148.1	148.1	149.0	151.5	153.9	149.8	144.8	152.3	159.7
82.5°	107.6	106.8	106.8	105.9	105.1	105.1	104.3	101.8	98.5	105.1	111.7
85°	62.1	61.2	59.6	58.8	57.1	54.6	52.1	51.3	50.5	56.3	62.1
87.5°	6.6	5.8	4.1	3.3	1.7	0.8	0.0	0.0	0.0	3.3	7.4
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: P368108  
 CATALOG NUMBER: MSA-SA3D-740-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: P368108

CATALOG NUMBER: MSA-SA3D-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4
2.5°	1834.9	1821.6	1809.2	1796.8	1784.4	1772.0	1795.1	1818.3	1841.5	1864.6	1885.3
5°	1937.5	1933.3	1922.6	1912.6	1901.9	1891.1	1896.9	1903.5	1909.3	1915.1	1927.5
7.5°	1635.4	1630.4	1653.6	1675.9	1699.1	1721.5	1727.3	1732.2	1738.0	1743.0	1739.7
10°	1482.3	1524.5	1535.3	1545.2	1555.9	1565.9	1582.4	1599.0	1614.7	1631.3	1640.4
12.5°	1358.1	1381.3	1419.4	1458.3	1496.4	1534.4	1559.3	1584.1	1608.9	1633.7	1685.1
15°	1205.9	1224.9	1253.9	1282.8	1311.8	1340.8	1376.3	1412.8	1448.3	1483.9	1540.2
17.5°	968.3	976.6	998.1	1019.6	1040.3	1061.8	1109.8	1157.0	1205.0	1252.2	1316.8
20°	812.7	803.6	803.6	804.5	804.5	804.5	852.5	899.6	947.6	994.8	1080.1
22.5°	762.2	759.8	750.7	740.7	731.6	721.7	746.5	772.2	797.0	821.8	891.4
25°	744.9	735.8	724.2	712.6	701.0	689.4	705.1	720.9	736.6	752.3	806.9
27.5°	753.1	745.7	751.5	756.5	762.2	767.2	772.2	777.1	782.1	787.1	806.1
30°	815.2	812.7	821.8	830.1	839.2	847.5	835.9	825.1	813.6	802.0	808.6
32.5°	683.6	676.2	672.9	669.6	666.2	662.9	662.1	661.3	659.6	658.8	673.7
35°	616.6	610.0	605.0	600.0	594.2	589.3	591.8	593.4	595.9	597.5	614.1
37.5°	614.1	607.5	601.7	595.9	589.3	583.5	586.0	589.3	591.8	594.2	606.7
40°	610.0	601.7	598.4	595.1	591.8	588.4	590.1	591.8	592.6	594.2	603.3
42.5°	607.5	600.9	599.2	597.5	595.9	594.2	595.9	597.5	598.4	600.0	610.8
45°	601.7	598.4	600.0	601.7	603.3	605.0	605.0	605.0	605.0	605.0	616.6
47.5°	588.4	586.8	591.8	596.7	601.7	606.7	614.9	623.2	630.7	638.9	641.4
50°	571.9	571.9	580.2	588.4	595.9	604.2	624.0	643.1	662.9	682.0	669.6
52.5°	551.2	552.0	564.4	576.0	588.4	600.0	618.2	636.4	653.8	672.0	653.8
55°	521.4	523.9	539.6	554.5	570.2	585.1	599.2	613.3	627.3	641.4	622.4
57.5°	494.9	498.2	514.8	530.5	547.1	562.8	571.1	580.2	588.4	596.7	584.3
60°	470.1	475.1	496.6	518.1	538.8	560.3	553.7	547.1	539.6	533.0	532.2
62.5°	444.4	450.2	470.1	490.0	509.0	528.9	518.9	509.0	498.2	488.3	492.4
65°	412.2	418.0	427.1	436.2	444.4	453.5	452.7	452.7	451.9	451.1	459.3
67.5°	375.7	379.9	385.7	390.6	396.4	401.4	404.7	408.8	412.2	415.5	425.4
70°	336.8	341.0	346.8	351.7	357.5	362.5	366.6	370.8	374.1	378.2	388.2
72.5°	297.1	301.3	307.1	312.8	317.8	323.6	326.9	330.2	332.7	336.0	344.3
75°	254.9	259.9	265.7	270.6	276.4	281.4	283.9	286.4	288.8	291.3	298.8
77.5°	211.9	217.7	223.5	229.3	235.0	240.8	241.7	242.5	243.3	244.2	250.8
80°	166.4	173.8	179.6	185.4	191.2	197.0	197.0	197.0	197.0	197.0	200.3
82.5°	118.4	125.0	131.6	137.4	144.0	149.8	149.8	149.0	149.0	148.1	148.1
85°	67.9	73.7	77.8	82.8	86.9	91.0	91.0	91.0	90.2	90.2	88.6
87.5°	10.8	14.1	15.7	18.2	19.9	21.5	20.7	20.7	19.9	19.0	16.6
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: P368108  
 CATALOG NUMBER: MSA-SA3D-740-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: P368108

CATALOG NUMBER: MSA-SA3D-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4
2.5°	1906.0	1926.7	1947.4	1944.1	1940.8	1937.5	1934.2	1946.6	1958.2	1970.6	1982.2
5°	1939.1	1951.5	1963.1	1972.2	1981.3	1990.4	1999.5	2041.8	2083.1	2125.3	2166.7
7.5°	1736.4	1732.2	1728.9	1767.8	1807.5	1846.4	1885.3	1939.1	1992.9	2046.7	2100.5
10°	1649.5	1658.6	1667.7	1683.4	1699.9	1715.7	1731.4	1784.4	1837.3	1890.3	1943.3
12.5°	1735.5	1786.8	1837.3	1849.7	1863.0	1875.4	1887.8	1898.6	1909.3	1919.3	1930.0
15°	1596.5	1652.8	1709.1	1741.3	1773.6	1805.1	1837.3	1918.4	1998.7	2079.8	2160.1
17.5°	1380.5	1445.0	1508.8	1588.2	1667.7	1747.1	1826.6	1901.1	1975.5	2049.2	2123.7
20°	1165.3	1249.7	1335.0	1421.9	1507.9	1594.8	1680.9	1753.7	1826.6	1898.6	1971.4
22.5°	960.0	1029.6	1098.3	1204.2	1309.3	1415.2	1520.4	1656.1	1791.0	1926.7	2061.6
25°	860.7	915.4	969.2	1078.4	1187.6	1296.1	1405.3	1581.6	1757.1	1933.3	2108.8
27.5°	826.0	845.0	864.0	963.4	1061.8	1161.2	1259.7	1450.0	1640.4	1829.9	2020.2
30°	815.2	821.8	828.5	906.3	984.0	1061.8	1139.6	1327.5	1516.2	1704.1	1892.0
32.5°	687.8	702.7	716.7	792.9	868.2	944.3	1019.6	1209.2	1397.9	1587.4	1776.1
35°	630.7	647.2	663.8	738.2	812.7	886.4	960.9	1160.3	1360.6	1560.1	1759.5
37.5°	619.1	631.5	643.9	728.3	812.7	897.1	981.6	1183.5	1385.4	1587.4	1789.3
40°	613.3	622.4	631.5	713.4	796.2	878.1	960.0	1171.9	1383.0	1594.8	1805.9
42.5°	620.7	631.5	641.4	715.9	789.6	864.0	937.7	1157.0	1375.5	1594.8	1813.3
45°	627.3	638.9	649.7	719.2	788.7	858.3	927.8	1162.0	1395.4	1629.6	1863.0
47.5°	643.1	645.5	647.2	707.6	767.2	827.6	887.2	1125.6	1363.9	1601.5	1839.8
50°	656.3	643.9	630.7	693.6	755.6	818.5	880.6	1106.5	1332.5	1557.6	1783.5
52.5°	635.6	616.6	598.4	666.2	734.1	801.1	869.0	1095.0	1321.7	1547.7	1773.6
55°	604.2	585.1	566.1	634.8	703.5	772.2	840.9	1066.0	1291.9	1517.0	1742.2
57.5°	572.7	560.3	547.9	604.2	661.3	717.6	773.8	1018.0	1261.3	1505.5	1748.8
60°	531.3	529.7	528.9	572.7	617.4	661.3	705.1	944.3	1182.7	1421.9	1660.2
62.5°	495.7	499.9	503.2	538.8	574.4	609.1	644.7	875.6	1107.4	1338.3	1569.2
65°	468.4	476.7	485.0	525.5	566.1	605.8	646.4	840.0	1033.7	1227.4	1421.0
67.5°	435.3	445.3	455.2	508.2	561.1	614.1	667.1	826.8	986.5	1146.3	1306.0
70°	397.3	407.2	416.3	484.2	551.2	619.1	686.1	827.6	970.0	1111.5	1253.0
72.5°	352.6	360.8	369.1	442.0	514.8	587.6	660.4	780.5	900.5	1019.6	1139.6
75°	307.1	314.5	321.9	384.8	447.7	510.6	573.5	666.2	758.1	850.8	942.7
77.5°	256.6	263.2	269.0	311.2	353.4	395.6	437.8	509.0	579.3	650.5	720.9
80°	203.6	206.9	210.2	235.0	259.0	283.9	307.9	355.1	402.2	448.6	495.7
82.5°	149.0	149.0	149.0	164.7	181.3	197.0	212.7	236.7	259.9	283.9	307.1
85°	86.9	84.4	82.8	93.5	104.3	115.0	125.8	135.7	145.7	155.6	165.5
87.5°	14.1	10.8	8.3	14.9	21.5	28.1	34.8	38.1	42.2	45.5	48.8
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: P368108  
 CATALOG NUMBER: MSA-SA3D-740-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: P368108

CATALOG NUMBER: MSA-SA3D-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4
2.5°	1954.0	1926.7	1898.6	1870.4	1911.8	1953.2	1994.6	2036.0	2146.0	2211.4	2215.6
5°	2201.5	2236.3	2271.0	2305.8	2340.5	2375.3	2409.2	2444.0	2622.8	2732.8	2753.5
7.5°	2157.6	2215.6	2272.7	2329.8	2428.3	2526.7	2625.2	2723.7	2875.2	2984.4	3056.4
10°	2014.4	2085.6	2156.8	2228.0	2344.7	2462.2	2578.9	2695.6	2856.1	3000.2	3068.8
12.5°	2043.4	2156.8	2269.4	2382.7	2483.7	2585.5	2686.5	2787.5	2898.4	2953.0	3077.9
15°	2238.7	2317.4	2396.0	2474.6	2626.9	2778.3	2930.6	3082.1	3145.0	3270.0	3382.5
17.5°	2268.5	2412.5	2557.4	2701.4	2887.6	3073.8	3260.0	3446.2	3562.9	3724.3	3860.1
20°	2175.8	2379.4	2583.9	2787.5	3027.5	3268.3	3508.3	3748.3	3896.5	4032.2	4242.4
22.5°	2286.7	2511.9	2736.1	2961.3	3279.9	3597.7	3916.3	4234.1	4543.7	4846.6	4988.9
25°	2409.2	2710.5	3010.9	3311.3	3709.4	4106.7	4504.8	4902.0	5300.1	5584.0	5747.9
27.5°	2323.2	2625.2	2928.1	3230.2	3722.7	4215.9	4708.4	5200.8	5627.0	5968.9	6109.6
30°	2262.7	2633.5	3004.3	3375.1	3952.8	4530.4	5108.1	5685.8	6079.8	6461.3	6668.2
32.5°	2252.0	2727.9	3202.9	3678.8	4351.7	5023.7	5696.6	6368.6	6630.1	6968.6	7247.5
35°	2281.8	2804.8	3327.1	3849.3	4620.6	5392.0	6162.5	6933.9	7305.5	7640.7	7884.8
37.5°	2372.8	2956.3	3538.9	4122.4	5051.8	5982.1	6911.5	7840.9	8464.2	9077.4	9186.7
40°	2424.1	3043.2	3661.4	4279.7	5360.5	6441.4	7522.3	8603.2	9319.9	9992.8	10038.3
42.5°	2484.5	3155.7	3826.1	4497.3	5695.7	6895.0	8093.4	9291.8	10179.0	10902.3	10923.9
45°	2554.1	3244.3	3935.4	4625.6	5877.0	7127.5	8378.9	9629.5	10702.1	11581.0	11366.6
47.5°	2581.4	3323.8	4065.3	4806.9	6141.0	7474.3	8808.4	10141.8	11104.3	11903.8	11698.5
50°	2592.1	3401.6	4210.1	5018.7	6400.9	7783.8	9166.0	10548.1	11527.2	12306.8	11992.3
52.5°	2659.2	3544.7	4430.3	5315.9	6755.9	8196.0	9636.1	11076.1	12039.5	12788.5	12397.9
55°	2749.4	3756.6	4763.0	5770.2	7260.8	8750.5	10241.1	11730.8	12697.5	13394.3	12910.2
57.5°	2833.0	3918.0	5002.2	6086.4	7630.7	9175.9	10720.3	12264.6	13243.7	13933.1	13463.9
60°	2792.4	3924.6	5056.8	6189.0	7706.9	9223.9	10741.8	12258.8	13370.3	14197.1	13957.1
62.5°	2669.9	3770.7	4870.6	5971.3	7412.2	8852.3	10293.2	11733.3	13034.3	14094.5	14083.7
65°	2434.1	3447.1	4459.3	5472.3	6805.6	8139.7	9473.0	10806.3	12339.9	13627.7	13711.3
67.5°	2146.9	2987.7	3828.6	4669.5	5925.0	7180.5	8436.0	9691.5	11331.1	12752.1	12824.1
70°	1868.8	2485.4	3101.1	3716.9	4819.3	5921.7	7023.3	8125.7	9781.7	11219.3	11285.5
72.5°	1542.7	1945.8	2348.0	2751.0	3644.0	4537.1	5429.2	6322.3	7776.4	8882.1	9255.4
75°	1181.9	1421.0	1660.2	1899.4	2621.9	3344.4	4066.1	4788.7	5755.3	6571.4	6991.8
77.5°	845.0	969.2	1093.3	1217.4	1831.5	2445.6	3058.9	3673.0	4181.2	4643.8	4927.7
80°	554.5	612.4	671.2	729.1	1239.8	1750.4	2260.3	2770.9	3080.4	3328.7	3471.9
82.5°	336.0	365.0	393.1	422.1	835.9	1249.7	1662.7	2076.5	2253.6	2372.0	2499.4
85°	181.3	197.0	212.7	228.4	494.1	758.9	1024.6	1289.4	1306.8	1320.9	1510.4
87.5°	53.0	57.9	62.1	66.2	109.2	153.1	196.1	239.2	149.0	92.7	190.4
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: P368108  
 CATALOG NUMBER: MSA-SA3D-740-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: P368108

CATALOG NUMBER: MSA-SA3D-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4
2.5°	2191.6	2180.8	2170.0	2158.5	2147.7	2102.2	2057.5	2012.0	1966.4	2010.3	2053.3
5°	2729.5	2762.6	2794.9	2828.0	2861.1	2863.6	2865.2	2867.7	2869.4	2877.7	2885.9
7.5°	3116.8	3175.6	3233.5	3292.3	3351.1	3396.6	3442.1	3488.5	3534.0	3492.6	3451.2
10°	3150.0	3274.1	3398.2	3522.4	3646.5	3668.9	3690.4	3712.7	3735.1	3764.9	3793.8
12.5°	3183.1	3334.5	3485.1	3636.6	3788.1	3854.3	3919.6	3985.9	4051.2	4083.5	4115.0
15°	3533.1	3622.5	3711.1	3800.5	3889.0	3934.5	3979.2	4024.8	4070.3	4097.6	4124.1
17.5°	3983.4	4016.5	4048.8	4081.9	4115.0	4145.6	4176.2	4206.8	4237.5	4242.4	4247.4
20°	4393.9	4400.5	4406.3	4412.9	4418.7	4354.2	4290.4	4225.9	4161.3	4172.9	4183.7
22.5°	5009.6	4973.2	4937.6	4901.2	4865.6	4744.0	4623.1	4501.5	4380.6	4328.5	4277.2
25°	5936.6	5843.9	5751.2	5658.5	5565.8	5372.1	5179.3	4985.6	4792.8	4679.4	4566.9
27.5°	6235.4	6033.4	5832.3	5630.4	5428.4	5281.9	5136.3	4989.8	4844.1	4664.5	4484.9
30°	6839.5	6520.9	6203.1	5884.4	5565.8	5424.3	5282.8	5140.4	4998.9	4815.1	4632.2
32.5°	7375.0	7043.9	6712.9	6381.0	6050.0	5781.8	5513.7	5245.5	4977.4	4853.2	4729.1
35°	7994.9	7578.6	7162.3	6746.0	6329.7	6099.6	5870.4	5640.3	5411.0	5223.2	5036.1
37.5°	8897.8	8455.0	8012.3	7568.7	7125.9	6814.7	6504.3	6193.1	5882.8	5779.3	5676.7
40°	9758.6	9235.5	8713.3	8190.2	7668.0	7429.6	7191.3	6952.1	6713.7	6539.1	6364.5
42.5°	10479.4	9962.2	9445.7	8928.5	8412.0	8238.2	8065.2	7891.4	7718.5	7574.5	7430.4
45°	10726.9	10304.8	9883.5	9461.4	9039.4	8978.1	8917.7	8856.4	8796.0	8689.3	8582.5
47.5°	11125.0	10694.6	10265.1	9834.7	9404.3	9426.7	9449.0	9472.2	9494.6	9500.3	9505.3
50°	11359.2	10950.3	10542.3	10133.5	9725.5	9833.9	9941.5	10049.9	10158.3	10404.1	10649.1
52.5°	11701.0	11299.6	10899.0	10497.6	10096.2	10280.0	10462.9	10646.6	10829.5	11173.8	11518.1
55°	12129.7	11745.7	11362.5	10978.5	10595.3	10774.1	10952.0	11130.8	11308.7	11691.9	12075.1
57.5°	12698.3	12287.0	11876.5	11465.1	11054.6	11219.3	11383.2	11547.9	11711.8	12075.9	12440.1
60°	13345.5	12898.6	12451.7	12003.9	11557.0	11602.5	11647.2	11692.7	11737.4	12132.2	12526.2
62.5°	13663.3	13249.5	12836.5	12422.7	12008.9	11882.3	11755.6	11628.2	11501.5	11854.9	12207.5
65°	13387.7	13103.0	12819.1	12534.4	12249.7	12026.3	11803.6	11580.2	11356.7	11577.7	11797.8
67.5°	12510.4	12349.0	12188.5	12027.1	11865.7	11490.8	11115.9	10740.1	10365.2	10380.1	10394.2
70°	11088.6	11045.5	11003.3	10960.3	10917.2	10353.6	9790.8	9227.2	8663.6	8577.5	8491.5
72.5°	9286.8	9315.0	9342.3	9370.4	9398.5	8792.7	8186.9	7581.1	6975.3	6832.1	6688.9
75°	7192.9	7348.5	7504.1	7660.5	7816.1	7236.8	6657.4	6077.3	5497.9	5321.6	5145.4
77.5°	5082.5	5373.0	5662.6	5953.1	6243.6	5719.7	5196.7	4672.8	4148.9	4034.7	3920.5
80°	3543.9	3686.3	3828.6	3971.0	4113.3	3850.1	3586.9	3323.8	3060.6	3092.0	3122.6
82.5°	2581.4	2614.5	2646.8	2679.9	2713.0	2605.4	2497.8	2389.4	2281.8	2363.7	2445.6
85°	1653.6	1772.0	1889.5	2007.8	2125.3	2006.2	1887.0	1767.0	1647.8	1702.4	1757.1
87.5°	369.9	585.1	800.3	1016.3	1231.5	1115.6	1000.6	884.7	768.9	716.7	665.4
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: P368108  
 CATALOG NUMBER: MSA-SA3D-740-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: P368108

CATALOG NUMBER: MSA-SA3D-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4
2.5°	2097.2	2141.1	2127.8	2115.4	2102.2	2088.9	2112.9	2136.9	2161.8	2185.8	2177.5
5°	2895.0	2903.3	2824.7	2746.9	2668.3	2589.6	2638.5	2687.3	2736.1	2785.0	2767.6
7.5°	3409.8	3368.4	3322.9	3277.4	3231.1	3185.5	3175.6	3165.7	3154.9	3145.0	3131.7
10°	3823.6	3852.6	3822.8	3793.8	3764.1	3734.3	3664.7	3595.2	3524.9	3455.3	3426.4
12.5°	4147.2	4179.5	4187.0	4193.6	4201.0	4208.5	4130.7	4053.7	3975.9	3898.1	3827.8
15°	4151.4	4178.7	4202.7	4225.9	4249.9	4273.0	4225.0	4177.9	4129.9	4081.9	4059.5
17.5°	4253.2	4258.1	4238.3	4219.2	4199.4	4180.3	4161.3	4143.1	4124.1	4105.9	4070.3
20°	4195.2	4206.8	4204.4	4201.9	4198.6	4196.1	4197.7	4198.6	4200.2	4201.0	4181.2
22.5°	4225.0	4172.9	4183.7	4193.6	4204.4	4214.3	4244.1	4273.9	4304.5	4334.3	4413.7
25°	4453.5	4340.1	4322.7	4306.1	4288.8	4272.2	4350.0	4427.0	4504.8	4582.6	4711.7
27.5°	4304.5	4124.9	4085.2	4045.4	4005.7	3966.0	4084.3	4201.9	4320.2	4438.6	4570.2
30°	4448.5	4265.6	4177.9	4090.1	4001.6	3913.9	4027.2	4139.8	4253.2	4365.7	4511.4
32.5°	4604.9	4480.8	4422.0	4364.1	4305.3	4247.4	4256.5	4265.6	4274.7	4283.8	4489.1
35°	4848.2	4660.4	4602.4	4544.5	4486.6	4428.6	4525.5	4621.5	4718.3	4814.3	4988.1
37.5°	5573.2	5469.8	5365.5	5261.2	5156.1	5051.8	5108.9	5166.1	5223.2	5280.3	5444.1
40°	6189.8	6015.2	5997.8	5981.3	5963.9	5946.5	5951.5	5955.6	5960.6	5965.5	6105.4
42.5°	7285.6	7141.6	7053.0	6964.5	6875.9	6787.4	6781.6	6775.8	6769.2	6763.4	6868.5
45°	8474.9	8368.1	8301.9	8235.7	8168.7	8102.5	7997.4	7892.3	7786.3	7681.2	7773.1
47.5°	9511.1	9516.9	9636.9	9756.1	9876.1	9996.1	9816.5	9636.9	9457.3	9277.7	9159.4
50°	10894.9	11139.9	11168.8	11197.0	11225.9	11254.9	10950.3	10646.6	10342.0	10037.5	9913.3
52.5°	11863.2	12207.5	12162.8	12119.0	12074.3	12029.6	11853.3	11677.8	11501.5	11325.3	11054.6
55°	12459.1	12842.3	12808.4	12775.3	12741.3	12707.4	12579.1	12450.8	12322.6	12194.3	11897.2
57.5°	12804.2	13168.4	13178.3	13188.3	13198.2	13208.1	13174.2	13140.3	13106.3	13072.4	12685.9
60°	12920.9	13315.7	13319.8	13323.2	13327.3	13330.6	13276.8	13223.0	13168.4	13114.6	12862.2
62.5°	12560.9	12913.5	12929.2	12944.1	12959.8	12975.6	12938.3	12901.1	12863.8	12826.6	12639.5
65°	12018.8	12239.8	12243.9	12247.2	12251.4	12255.5	12161.2	12067.6	11973.3	11878.9	11834.3
67.5°	10409.1	10424.0	10511.7	10599.4	10687.2	10774.9	10782.3	10789.8	10798.1	10805.5	10741.0
70°	8405.4	8319.3	8414.5	8509.7	8604.9	8700.0	8740.6	8781.1	8822.5	8863.1	8892.9
72.5°	6544.9	6401.7	6472.1	6542.4	6613.6	6683.9	6623.5	6563.1	6502.7	6442.3	6633.4
75°	4969.1	4792.8	4783.7	4775.4	4766.3	4758.0	4727.4	4696.8	4665.3	4634.7	4813.5
77.5°	3805.4	3691.2	3697.0	3702.0	3707.8	3712.7	3681.3	3650.7	3619.2	3587.8	3656.5
80°	3154.1	3184.7	3185.5	3186.4	3187.2	3188.0	3158.2	3129.3	3099.5	3069.7	3020.0
82.5°	2528.4	2610.3	2609.5	2609.5	2608.7	2607.9	2606.2	2604.5	2602.1	2600.4	2519.3
85°	1811.7	1866.3	1810.0	1753.7	1697.5	1641.2	1682.6	1723.9	1766.2	1807.5	1773.6
87.5°	613.3	562.0	494.9	428.7	361.7	294.6	366.6	438.6	511.5	583.5	624.9
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: P368108  
 CATALOG NUMBER: MSA-SA3D-740-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: P368108

CATALOG NUMBER: MSA-SA3D-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4	1798.4
2.5°	2170.0	2161.8	2154.3	2102.2	2049.2	1997.1	1944.1	2040.1	2136.9	2232.9	2328.9
5°	2751.0	2733.7	2717.1	2713.0	2708.8	2703.9	2699.7	2748.6	2797.4	2845.4	2894.2
7.5°	3118.5	3105.3	3092.0	3057.3	3023.3	2988.6	2953.8	2983.6	3012.6	3042.4	3071.3
10°	3398.2	3369.3	3340.3	3265.0	3190.5	3115.2	3039.9	3017.5	2995.2	2972.8	2950.5
12.5°	3757.4	3686.3	3615.9	3530.7	3444.6	3359.3	3273.3	3261.7	3250.1	3239.3	3227.7
15°	4038.0	4015.7	3993.3	3925.4	3857.6	3789.7	3721.8	3630.8	3538.9	3447.9	3356.9
17.5°	4035.5	3999.9	3965.2	4056.2	4146.4	4237.5	4327.7	4230.8	4133.2	4036.3	3939.5
20°	4161.3	4140.6	4120.8	4288.8	4456.0	4624.0	4791.1	4738.2	4684.4	4631.4	4577.6
22.5°	4492.4	4571.8	4650.4	4794.5	4937.6	5081.6	5224.8	5285.2	5345.7	5406.1	5466.5
25°	4840.0	4969.1	5098.2	5312.5	5526.1	5740.4	5954.8	5997.8	6040.9	6083.9	6126.9
27.5°	4700.9	4832.5	4964.1	5126.3	5287.7	5449.9	5611.3	5800.0	5989.5	6178.2	6366.9
30°	4656.2	4801.9	4946.7	5169.4	5391.2	5613.8	5836.4	6096.3	6356.2	6615.2	6875.1
32.5°	4693.5	4898.7	5104.0	5405.2	5705.7	6006.9	6308.2	6581.3	6855.2	7128.4	7401.5
35°	5161.1	5334.9	5507.9	5844.7	6181.6	6518.4	6855.2	7175.5	7495.8	7815.3	8135.6
37.5°	5607.2	5771.1	5934.9	6279.2	6622.7	6967.0	7311.3	7816.9	8323.5	8829.1	9334.8
40°	6244.5	6384.3	6523.4	6818.0	7112.6	7407.3	7701.9	8311.9	8921.8	9531.8	10141.8
42.5°	6972.8	7077.9	7182.2	7487.6	7792.9	8098.3	8403.7	9067.5	9732.1	10395.8	11059.6
45°	7864.1	7956.0	8047.9	8258.1	8468.3	8679.3	8889.6	9574.0	10258.5	10942.9	11627.3
47.5°	9041.0	8922.7	8804.3	8907.8	9011.2	9114.7	9218.1	9895.1	10572.1	11248.3	11925.3
50°	9789.2	9665.0	9540.9	9550.0	9558.3	9567.4	9576.5	10208.0	10839.4	11470.1	12101.6
52.5°	10784.0	10512.5	10241.9	10239.4	10236.9	10233.6	10231.1	10781.5	11332.7	11883.1	12433.5
55°	11600.0	11302.9	11005.8	10947.9	10889.9	10831.2	10773.2	11317.8	11861.6	12406.1	12949.9
57.5°	12299.4	11912.1	11525.6	11434.5	11343.5	11252.4	11161.4	11748.2	12335.8	12922.6	13509.4
60°	12610.6	12358.1	12106.5	11994.8	11883.1	11771.4	11659.6	12159.5	12659.4	13158.5	13658.3
62.5°	12453.3	12266.3	12080.1	12105.7	12131.4	12157.0	12182.7	12468.2	12754.6	13040.1	13325.6
65°	11790.4	11745.7	11701.8	11908.7	12115.6	12322.6	12529.5	12533.6	12537.7	12541.9	12546.0
67.5°	10676.4	10611.8	10547.3	10977.7	11407.2	11837.6	12267.9	12063.5	11859.1	11655.5	11451.1
70°	8921.8	8951.6	8980.6	9566.6	10151.7	10737.6	11323.6	11027.3	10730.2	10433.9	10136.8
72.5°	6824.6	7016.6	7207.8	7815.3	8422.8	9030.3	9637.7	9299.2	8959.9	8621.4	8282.1
75°	4992.3	5171.0	5349.8	5949.8	6549.8	7150.7	7750.7	7348.5	6946.3	6544.9	6142.7
77.5°	3725.2	3794.7	3863.4	4362.4	4860.7	5359.7	5858.0	5454.1	5050.2	4647.1	4243.2
80°	2971.2	2921.5	2872.7	3149.1	3425.6	3702.0	3978.4	3692.0	3404.9	3118.5	2832.1
82.5°	2439.0	2357.9	2277.6	2380.3	2482.9	2586.3	2689.0	2459.7	2230.5	2001.2	1772.0
85°	1739.7	1705.7	1671.8	1701.6	1730.6	1760.4	1790.2	1566.7	1343.2	1120.6	897.1
87.5°	665.4	706.8	748.2	795.4	841.7	888.9	935.2	732.5	529.7	327.7	125.0
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: P368108  
 CATALOG NUMBER: MSA-SA3D-740-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: P368108  
 CATALOG NUMBER: MSA-SA3D-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	1798.4	1798.4
2.5°	2368.7	2408.4
5°	2893.4	2892.6
7.5°	3058.1	3044.0
10°	2914.1	2877.7
12.5°	3120.2	3011.7
15°	3249.3	3140.8
17.5°	3776.5	3612.6
20°	4383.1	4187.8
22.5°	5169.4	4872.2
25°	5771.9	5416.0
27.5°	6155.9	5944.0
30°	6632.6	6390.1
32.5°	7222.7	7043.1
35°	7971.7	7807.0
37.5°	9283.5	9231.4
40°	10079.7	10016.8
42.5°	11062.1	11063.7
45°	11664.6	11701.8
47.5°	12019.6	12113.2
50°	12302.7	12503.0
52.5°	12707.4	12981.3
55°	13314.1	13677.4
57.5°	13818.9	14128.4
60°	13818.9	13978.6
62.5°	13321.5	13316.5
65°	12469.0	12391.2
67.5°	11353.4	11255.7
70°	9984.5	9831.4
72.5°	8092.5	7902.2
75°	5882.0	5620.4
77.5°	4119.1	3994.1
80°	2892.6	2953.0
82.5°	1858.0	1944.1
85°	883.9	870.7
87.5°	104.3	83.6
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0



REPORT NUMBER: P368108  
CATALOG NUMBER: MSA-SA3D-740-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)