

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: P596466

Luminaire Tested: **MSA-SA4D-722-U-SLR**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P596466  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-24)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: MSA-SA4D-722-U-SLR  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (4) 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: 16567 lumens  
Efficiency: N/A  
Efficacy: 64.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G3

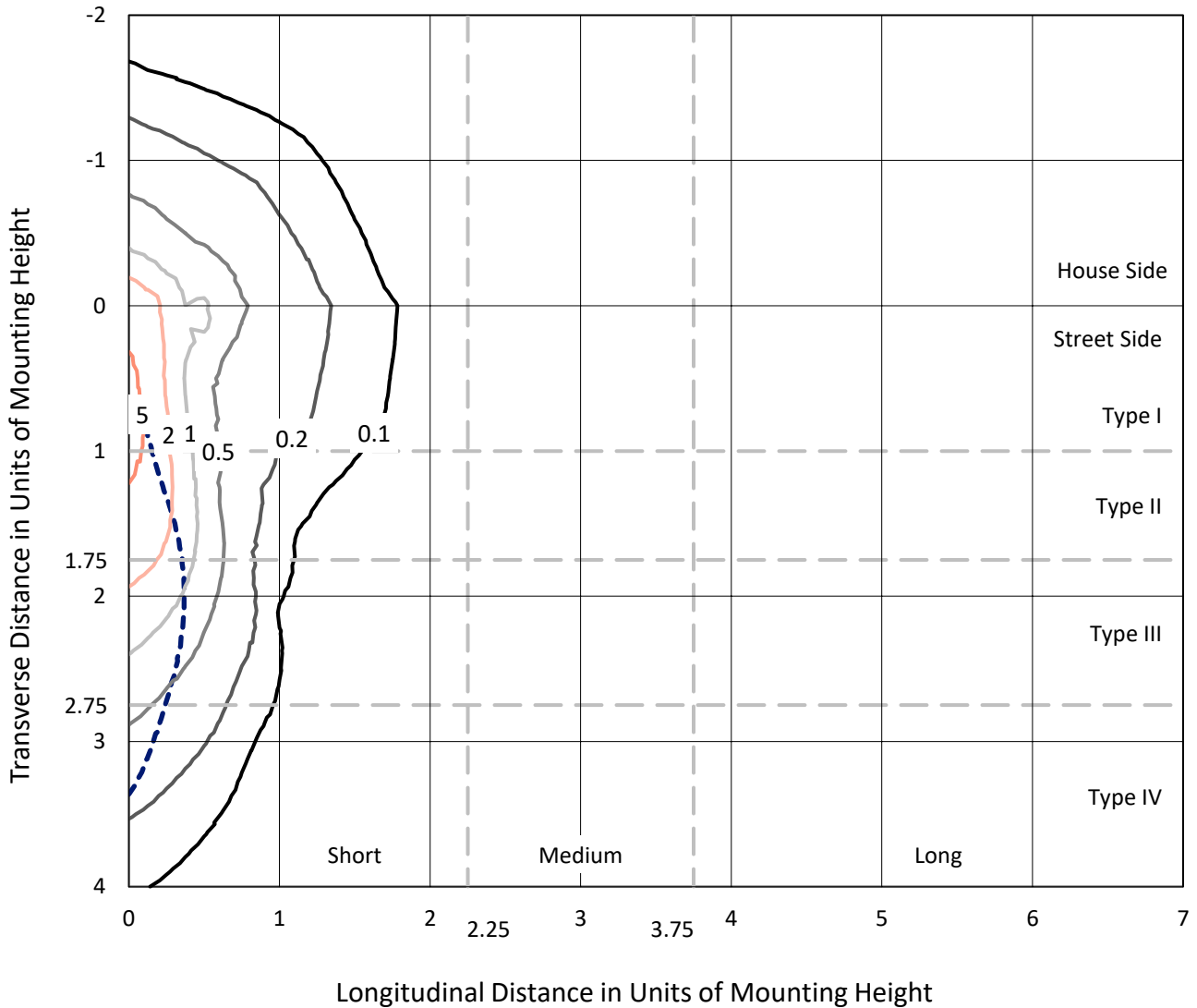
Input Watts (W): 259  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

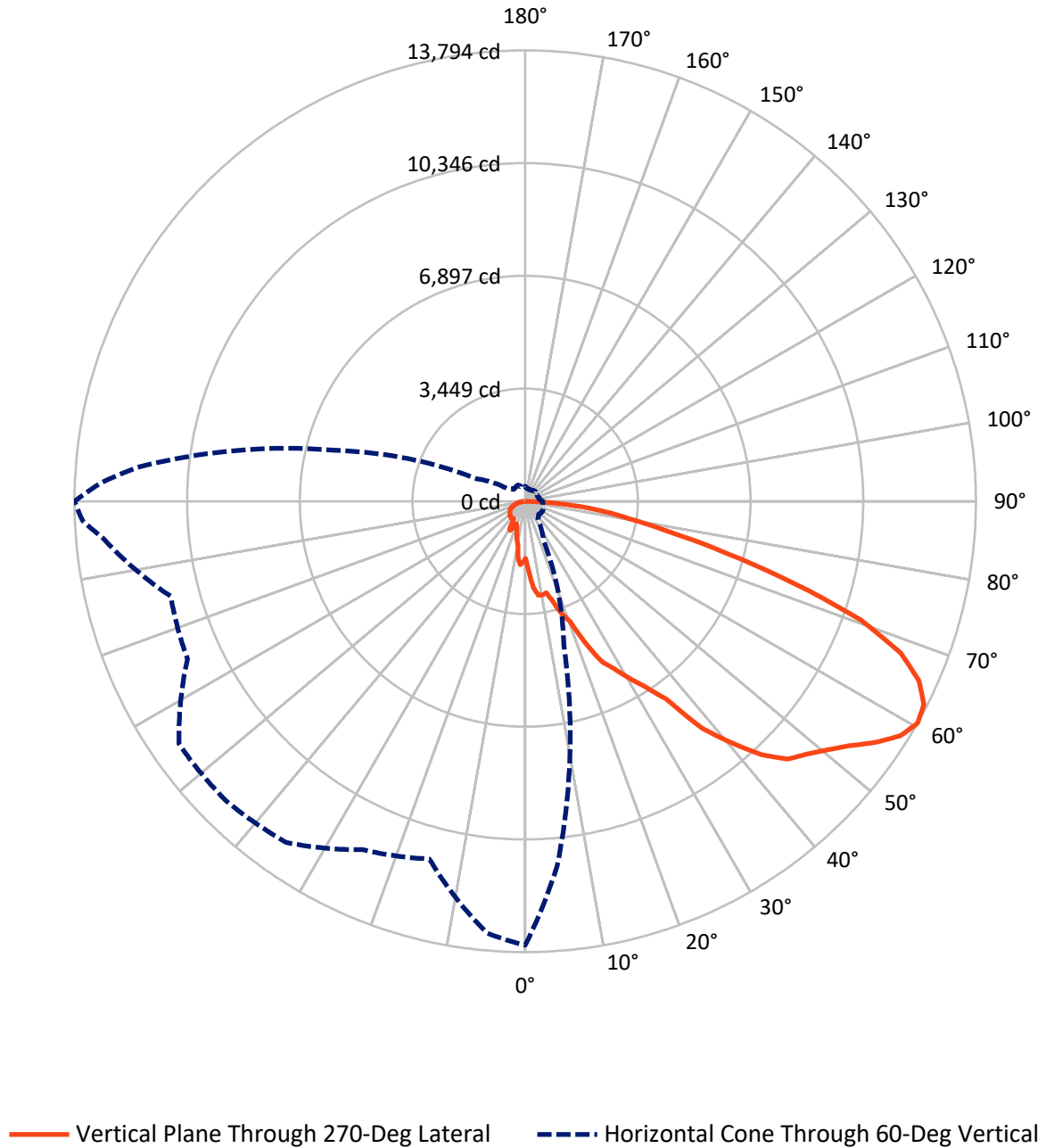
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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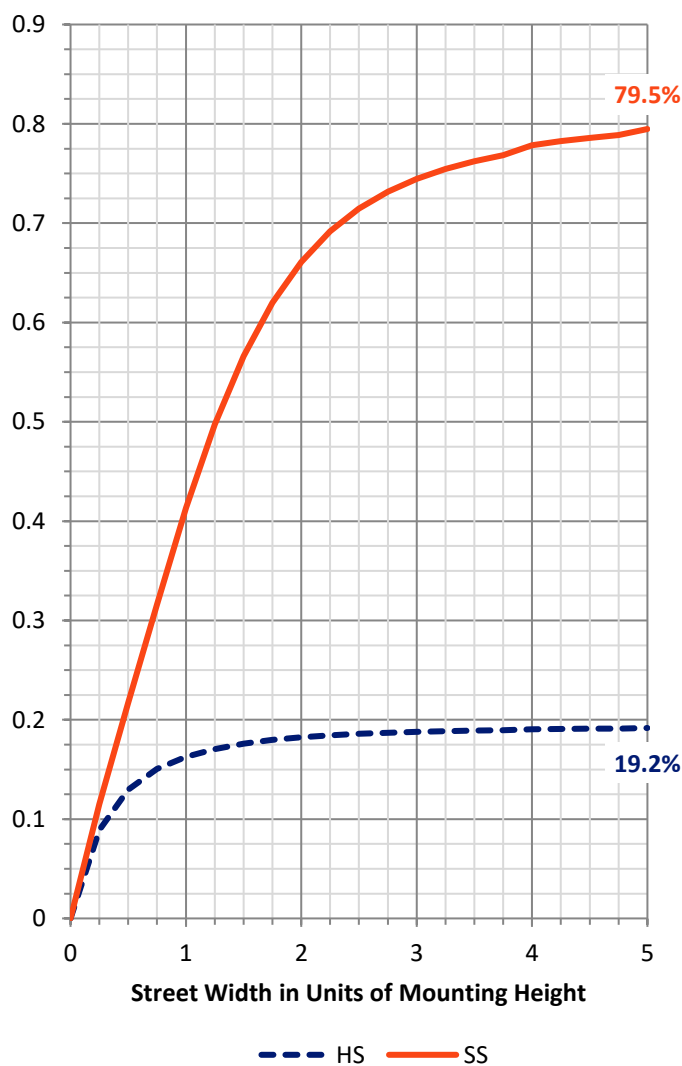
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3208.7	0.0	3208.7
	% Fixture	19.4	0.0	19.4
<b>Street Side</b>	Lumens	13358.3	0.0	13358.3
	% Fixture	80.6	0.0	80.6
<b>Total</b>	Lumens	16567.0	0.0	16567.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	200.3	1.2
10°-20°	582.1	3.5
20°-30°	1027.6	6.2
30°-40°	1600.5	9.7
40°-50°	2635.0	15.9
50°-60°	3761.0	22.7
60°-70°	3988.0	24.1
70°-80°	2202.7	13.3
80°-90°	569.9	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°	16567.0	100.0
0°-180°	16567.0	100.0

**Coefficient of Utilization**



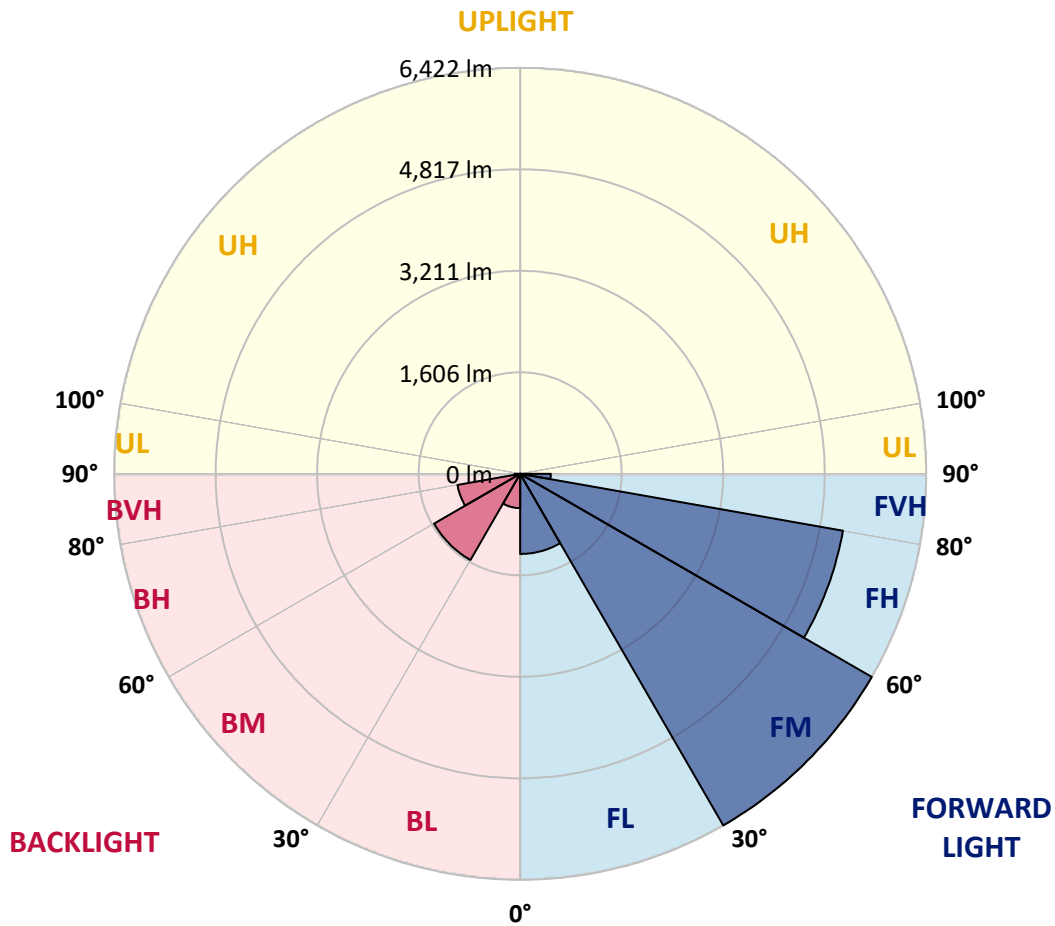
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1267.6	7.7			
FM (30°-60°)	6422.4	38.8			
FH (60°-80°)	5183.9	31.3			G3/7500
FVH (80°-90°)	484.4	2.9			G3/500
BL (0°-30°)	542.4	3.3	B2/1000		
BM (30°-60°)	1574.0	9.5	B2/2500		
BH (60°-80°)	1006.8	6.1	B3/2500		G3/2500
BVH (80°-90°)	85.5	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°	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4
2.5°	2340.0	2354.5	2368.2	2340.8	2313.5	2285.4	2258.0	2217.0	2175.2	2134.2	2092.4
5°	2810.5	2757.4	2703.5	2681.8	2660.9	2639.2	2617.5	2597.4	2577.3	2556.3	2536.2
7.5°	2957.6	2882.0	2805.6	2773.5	2741.3	2708.3	2676.2	2603.8	2531.4	2458.2	2385.9
10°	2796.0	2717.2	2637.6	2606.2	2574.0	2542.7	2510.5	2422.1	2334.4	2246.0	2157.5
12.5°	2926.2	2845.8	2764.6	2664.9	2565.2	2464.7	2365.0	2315.9	2266.9	2217.0	2167.9
15°	3051.7	2943.1	2833.8	2734.1	2634.3	2533.8	2434.1	2336.0	2237.9	2139.8	2041.7
17.5°	3510.1	3329.1	3148.2	2968.1	2787.1	2607.0	2426.1	2312.7	2198.5	2085.1	1970.9
20°	4068.9	3817.2	3564.7	3291.3	3017.1	2743.7	2469.5	2326.4	2184.0	2040.9	1897.8
22.5°	4733.9	4416.3	4098.7	3753.7	3408.7	3063.0	2718.0	2510.5	2303.0	2094.8	1887.3
25°	5262.3	4956.7	4651.1	4213.7	3776.2	3338.8	2901.3	2665.7	2430.1	2193.7	1958.1
27.5°	5775.3	5288.8	4801.5	4300.5	3800.3	3299.4	2798.4	2580.5	2362.6	2144.6	1926.7
30°	6208.7	5822.7	5436.8	4783.0	4129.2	3474.7	2820.9	2553.1	2285.4	2017.6	1749.8
32.5°	6843.2	6292.4	5740.7	5058.8	4376.9	3695.0	3013.1	2670.5	2328.0	1985.4	1642.8
35°	7585.4	7012.9	6440.3	5596.8	4754.0	3910.5	3067.0	2704.3	2340.8	1978.2	1614.7
37.5°	8969.3	7960.1	6950.1	6029.4	5108.7	4187.1	3266.4	2845.0	2423.7	2001.5	1580.1
40°	9732.5	8799.7	7866.9	6719.4	5571.9	4423.5	3276.0	2845.0	2413.2	1982.2	1550.4
42.5°	10749.7	9570.0	8389.5	7148.8	5908.8	4668.0	3427.2	2949.6	2471.9	1993.5	1515.8
45°	11369.7	10054.9	8739.3	7413.3	6087.3	4761.3	3435.3	2950.4	2465.5	1980.6	1495.7
47.5°	11769.3	10506.8	9243.5	7816.2	6388.9	4960.7	3533.4	3018.7	2503.3	1988.6	1473.2
50°	12148.1	10897.6	9646.4	8164.4	6683.2	5201.1	3719.1	3157.0	2594.9	2032.1	1470.0
52.5°	12612.9	11461.3	10309.0	8719.2	7128.7	5538.9	3948.3	3336.4	2724.4	2112.5	1500.5
55°	13289.1	12154.5	11019.1	9312.7	7605.5	5899.1	4192.0	3512.5	2833.8	2154.3	1474.8
57.5°	13727.4	12576.7	11426.0	9685.8	7945.7	6204.7	4464.6	3711.9	2959.2	2205.7	1453.1
60°	13581.9	12394.9	11207.2	9548.3	7889.4	6230.4	4571.5	3758.5	2946.4	2133.4	1320.4
62.5°	12938.5	11676.9	10415.2	8929.1	7443.9	5957.8	4471.8	3645.1	2819.3	1992.6	1166.0
65°	12039.5	10735.2	9430.1	8089.6	6749.1	5408.6	4068.1	3317.9	2566.8	1816.5	1065.5
67.5°	10936.2	9576.5	8215.9	7028.9	5842.0	4654.3	3467.4	2840.2	2213.8	1586.6	959.3
70°	9552.3	8215.9	6879.4	5852.5	4825.6	3798.7	2771.9	2299.8	1828.6	1356.6	884.5
72.5°	7677.9	6524.8	5371.6	4563.5	3755.3	2947.2	2139.0	1810.9	1483.6	1155.5	827.5
75°	5460.9	4783.0	4105.1	3476.3	2847.4	2217.8	1589.0	1376.7	1164.4	952.1	739.8
77.5°	3880.8	3481.1	3081.4	2588.5	2095.6	1602.6	1109.7	985.1	861.2	736.6	611.9
80°	2869.2	2535.4	2201.7	1830.2	1458.7	1087.2	715.7	654.6	594.3	533.1	472.0
82.5°	1888.9	1738.5	1587.4	1293.1	998.7	704.4	410.1	387.6	365.1	342.6	320.0
85°	846.0	893.4	940.0	759.9	579.0	398.9	217.9	207.5	197.0	186.6	176.1
87.5°	81.2	119.8	158.4	135.9	112.6	90.1	66.7	65.9	65.9	65.1	64.3
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°	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4
2.5°	2103.6	2114.9	2126.1	2137.4	2125.3	2113.3	2100.4	2088.3	2073.1	2057.8	2041.7
5°	2502.5	2467.9	2434.1	2399.5	2348.1	2296.6	2244.3	2192.9	2186.4	2179.2	2172.8
7.5°	2322.3	2259.6	2196.1	2132.6	2052.2	1972.5	1892.1	1811.7	1787.6	1763.5	1739.3
10°	2114.9	2071.5	2028.8	1985.4	1935.6	1885.7	1835.0	1785.2	1719.2	1652.5	1586.6
12.5°	2097.2	2026.4	1954.9	1884.1	1853.5	1823.0	1792.4	1761.9	1704.0	1646.1	1587.4
15°	1984.6	1926.7	1869.6	1811.7	1767.5	1723.3	1679.0	1634.8	1588.2	1540.7	1494.1
17.5°	1905.0	1839.1	1773.1	1707.2	1656.5	1605.9	1554.4	1503.7	1447.4	1390.4	1334.1
20°	1822.2	1747.4	1671.8	1596.2	1531.9	1468.4	1404.0	1339.7	1277.8	1216.7	1154.7
22.5°	1788.4	1689.5	1590.6	1491.7	1424.1	1355.8	1288.2	1219.9	1162.8	1105.7	1048.6
25°	1839.9	1722.5	1604.3	1486.0	1395.2	1303.5	1212.6	1121.0	1073.5	1026.1	977.8
27.5°	1779.6	1631.6	1484.4	1336.5	1239.2	1141.1	1043.8	945.7	938.4	931.2	923.1
30°	1594.6	1439.4	1284.2	1129.0	1039.7	949.7	860.4	770.4	753.5	735.8	718.9
32.5°	1484.4	1326.0	1167.6	1009.2	929.6	849.2	769.6	689.1	669.8	650.5	631.2
35°	1442.6	1270.5	1098.4	926.4	858.0	789.7	721.3	653.0	639.3	626.4	612.8
37.5°	1408.8	1238.4	1067.1	895.8	829.9	763.9	697.2	631.2	620.8	610.3	599.9
40°	1376.7	1203.8	1030.1	856.4	797.7	739.8	681.1	622.4	616.0	609.5	602.3
42.5°	1347.7	1179.7	1010.8	842.7	790.5	739.0	686.7	634.5	628.0	621.6	615.2
45°	1331.6	1167.6	1003.6	839.5	801.7	763.9	725.3	687.5	672.3	657.0	640.9
47.5°	1319.6	1166.0	1012.4	858.8	819.4	780.0	740.6	701.2	687.5	673.9	659.4
50°	1322.0	1174.8	1026.9	878.9	831.5	783.2	735.8	687.5	685.9	684.3	682.7
52.5°	1343.7	1187.7	1030.9	874.1	822.6	771.2	718.9	667.4	677.9	687.5	698.0
55°	1312.3	1149.9	986.7	824.2	775.2	726.9	677.9	628.8	642.5	655.4	669.0
57.5°	1277.0	1100.9	924.8	748.7	711.7	674.7	636.9	599.9	614.4	629.6	644.1
60°	1159.6	998.7	837.9	677.1	652.2	627.2	602.3	577.4	583.8	590.2	596.7
62.5°	1030.9	895.0	759.9	624.0	604.7	584.6	565.3	545.2	545.2	546.0	546.0
65°	948.9	832.3	715.7	599.1	577.4	555.7	533.1	511.4	508.2	505.0	501.8
67.5°	866.9	775.2	682.7	590.2	558.9	528.3	497.0	465.6	461.6	458.4	454.3
70°	802.5	720.5	638.5	556.5	521.1	486.5	451.1	415.7	412.5	410.1	406.9
72.5°	750.3	673.9	596.7	519.5	482.5	444.7	407.7	369.9	367.5	365.1	361.9
75°	671.5	603.9	535.6	467.2	431.0	395.6	359.4	323.3	320.0	317.6	314.4
77.5°	555.7	498.6	442.3	385.2	357.0	329.7	301.6	273.4	271.8	270.2	267.8
80°	427.8	383.6	338.5	294.3	275.8	256.5	238.0	218.7	217.9	217.1	215.5
82.5°	293.5	267.0	240.4	213.9	200.2	185.8	172.1	157.6	158.4	159.2	160.0
85°	167.3	157.6	148.8	139.1	127.9	117.4	106.1	94.9	97.3	99.7	101.3
87.5°	61.1	57.9	54.7	51.5	45.8	41.0	35.4	29.8	31.4	33.8	35.4
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: P596466  
 CATALOG NUMBER: MSA-SA4D-722-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: P596466

CATALOG NUMBER: MSA-SA4D-722-U-SLR

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4
2.5°	2026.4	2002.3	1978.2	1954.0	1929.9	1880.1	1831.0	1781.2	1731.3	1761.9	1793.2
5°	2165.5	2124.5	2082.7	2041.7	1999.9	1976.6	1953.2	1929.9	1906.6	1918.7	1931.5
7.5°	1715.2	1691.1	1666.2	1642.0	1617.1	1606.7	1597.0	1586.6	1576.1	1605.9	1635.6
10°	1519.8	1486.0	1452.3	1417.7	1383.9	1363.8	1343.7	1323.6	1303.5	1311.5	1319.6
12.5°	1529.5	1479.6	1429.8	1379.9	1330.0	1300.3	1270.5	1240.8	1211.0	1218.3	1225.5
15°	1446.6	1395.2	1343.7	1292.2	1240.8	1206.2	1170.8	1136.2	1100.9	1088.8	1075.9
17.5°	1277.0	1220.7	1164.4	1108.1	1051.8	1028.5	1005.2	981.8	958.5	945.7	932.8
20°	1092.8	1040.6	988.3	936.0	883.7	867.7	851.6	834.7	818.6	810.6	801.7
22.5°	991.5	959.3	926.4	894.2	861.2	842.7	825.0	806.5	788.1	779.2	769.6
25°	930.4	936.8	944.1	950.5	956.9	948.9	940.0	932.0	923.1	926.4	928.8
27.5°	915.9	929.6	944.1	957.7	971.4	978.6	985.9	993.1	1000.3	1002.8	1005.2
30°	701.2	708.4	714.9	722.1	728.5	748.7	768.8	788.1	808.2	839.5	871.7
32.5°	611.9	609.5	607.1	603.9	601.5	606.3	611.1	615.2	620.0	631.2	643.3
35°	599.1	593.5	587.0	581.4	575.0	577.4	579.8	582.2	584.6	593.5	602.3
37.5°	589.4	587.0	585.4	583.0	580.6	586.2	591.0	596.7	601.5	608.7	616.0
40°	595.9	595.1	594.3	592.6	591.8	595.1	598.3	601.5	604.7	614.4	624.0
42.5°	608.7	608.7	607.9	607.9	607.1	610.3	612.8	616.0	618.4	624.0	629.6
45°	625.6	624.0	623.2	621.6	620.0	619.2	619.2	618.4	617.6	620.8	624.8
47.5°	645.7	640.1	633.7	628.0	621.6	620.0	617.6	616.0	613.6	615.2	616.8
50°	681.1	665.8	651.3	636.1	620.8	616.8	612.8	608.7	604.7	603.9	603.9
52.5°	707.6	685.1	662.6	640.1	617.6	610.3	603.1	595.9	588.6	587.0	586.2
55°	681.9	665.0	648.9	632.1	615.2	604.7	593.5	583.0	571.7	569.3	566.9
57.5°	658.6	648.1	637.7	627.2	616.8	606.3	595.1	584.6	573.3	567.7	562.1
60°	603.1	603.1	603.9	603.9	603.9	592.6	581.4	570.1	558.9	553.2	548.4
62.5°	546.0	554.9	562.9	571.7	579.8	564.5	548.4	533.1	517.1	513.0	509.8
65°	498.6	501.0	504.2	506.6	509.0	497.0	484.9	472.8	460.8	458.4	455.1
67.5°	450.3	449.5	448.7	447.1	446.3	439.1	431.0	423.8	415.7	412.5	409.3
70°	403.7	402.9	402.1	400.5	399.7	393.2	386.8	380.4	373.9	371.5	369.1
72.5°	359.4	358.6	357.0	356.2	354.6	349.0	344.2	338.5	332.9	329.7	326.5
75°	311.2	309.6	308.0	306.4	304.8	299.9	295.1	289.5	284.7	281.4	278.2
77.5°	266.2	263.8	261.3	258.1	255.7	251.7	246.9	242.8	238.0	234.0	230.8
80°	214.7	213.1	211.5	209.1	207.5	203.4	199.4	194.6	190.6	185.8	181.7
82.5°	160.8	160.0	158.4	157.6	156.0	152.0	148.0	143.9	139.9	135.1	130.3
85°	103.7	102.9	102.1	101.3	100.5	97.3	94.9	91.7	88.5	83.6	79.6
87.5°	37.0	35.4	34.6	33.0	31.4	30.6	28.9	28.1	26.5	24.1	21.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596466  
 CATALOG NUMBER: MSA-SA4D-722-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: P596466

CATALOG NUMBER: MSA-SA4D-722-U-SLR

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4
2.5°	1823.8	1854.3	1855.1	1855.1	1869.6	1883.3	1855.1	1827.0	1798.0	1769.9	1741.8
5°	1943.6	1955.7	1952.4	1948.4	1930.7	1913.0	1894.5	1876.0	1857.6	1839.1	1839.9
7.5°	1665.4	1695.1	1719.2	1742.6	1720.0	1697.5	1685.5	1673.4	1661.3	1649.3	1647.7
10°	1326.8	1334.9	1344.5	1353.4	1339.7	1325.2	1349.3	1373.5	1396.8	1420.9	1394.4
12.5°	1232.7	1240.0	1223.1	1205.4	1199.8	1194.1	1188.5	1182.1	1176.5	1170.0	1166.8
15°	1063.9	1051.0	1038.1	1024.5	1021.3	1017.2	1013.2	1008.4	1004.4	999.5	985.1
17.5°	919.9	907.1	885.4	862.8	854.0	844.3	841.9	839.5	836.3	833.9	820.2
20°	793.7	784.8	779.2	772.8	763.9	755.1	746.2	737.4	727.7	718.9	706.0
22.5°	760.7	751.1	743.8	735.8	734.2	732.6	716.5	699.6	683.5	666.6	659.4
25°	932.0	934.4	890.2	845.1	841.1	837.1	808.2	778.4	749.5	719.7	694.8
27.5°	1006.8	1009.2	1007.6	1006.0	993.1	979.4	930.4	880.5	831.5	781.6	746.2
30°	903.0	934.4	946.5	958.5	949.7	940.0	888.6	837.9	786.4	735.0	711.7
32.5°	654.6	665.8	685.9	705.2	715.7	725.3	709.2	693.2	677.1	661.0	657.0
35°	610.3	619.2	623.2	627.2	620.8	614.4	602.3	590.2	577.4	565.3	562.9
37.5°	622.4	629.6	637.7	645.7	628.0	609.5	595.9	583.0	569.3	555.7	544.4
40°	633.7	643.3	648.1	653.0	635.3	617.6	600.7	584.6	567.7	550.8	539.6
42.5°	635.3	640.9	649.7	658.6	633.7	607.9	592.6	576.6	561.3	545.2	533.9
45°	628.0	631.2	639.3	647.3	618.4	588.6	575.0	560.5	546.8	532.3	522.7
47.5°	617.6	619.2	625.6	631.2	600.7	569.3	556.5	543.6	529.9	517.1	507.4
50°	603.1	602.3	607.1	611.1	579.8	548.4	535.6	523.5	510.6	497.8	489.7
52.5°	584.6	583.0	587.8	591.8	558.9	525.9	514.6	504.2	492.9	481.7	475.2
55°	563.7	561.3	565.3	569.3	537.2	504.2	494.5	484.1	474.4	464.0	458.4
57.5°	555.7	550.0	552.4	554.9	518.7	482.5	472.8	463.2	453.5	443.9	439.9
60°	542.8	537.2	539.6	541.2	502.6	463.2	454.3	444.7	435.8	426.2	422.2
62.5°	505.8	501.8	505.0	508.2	473.6	438.3	430.2	423.0	414.9	406.9	401.3
65°	452.7	449.5	455.9	462.4	432.6	402.9	398.0	393.2	387.6	382.8	377.1
67.5°	406.1	402.9	409.3	415.7	394.0	372.3	367.5	362.7	357.8	353.0	349.8
70°	366.7	364.3	369.9	375.5	357.0	338.5	333.7	329.7	324.9	320.0	317.6
72.5°	322.5	319.2	326.5	332.9	317.6	301.6	297.5	292.7	288.7	283.9	282.3
75°	275.0	271.8	278.2	283.9	273.4	262.1	258.1	254.1	250.1	246.1	245.3
77.5°	226.8	222.7	229.2	234.8	228.4	221.1	217.9	213.9	210.7	206.7	206.7
80°	176.9	172.1	176.9	180.9	178.5	176.1	173.7	170.5	168.1	164.8	165.7
82.5°	125.4	120.6	123.0	125.4	127.1	128.7	128.7	128.7	128.7	128.7	128.7
85°	74.8	70.0	70.8	71.6	74.0	76.4	77.2	78.0	78.8	79.6	80.4
87.5°	19.3	16.9	15.3	12.9	15.3	16.9	18.5	19.3	20.9	21.7	21.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P596466  
 CATALOG NUMBER: MSA-SA4D-722-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: P596466  
 CATALOG NUMBER: MSA-SA4D-722-U-SLR

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4
2.5°	1713.6	1684.7	1656.5	1674.2	1691.1	1708.8	1725.7	1726.5	1726.5	1727.3	1727.3
5°	1841.5	1842.3	1843.1	1826.2	1810.1	1793.2	1776.3	1767.5	1758.6	1749.0	1740.1
7.5°	1645.3	1643.7	1641.2	1625.2	1609.1	1593.0	1576.9	1538.3	1498.9	1460.3	1420.9
10°	1367.0	1340.5	1313.2	1306.7	1301.1	1294.7	1288.2	1277.8	1268.1	1257.7	1247.2
12.5°	1163.6	1160.4	1157.2	1140.3	1123.4	1105.7	1088.8	1088.8	1088.8	1088.8	1088.8
15°	969.8	955.3	940.0	932.0	923.1	915.1	906.3	902.2	898.2	894.2	890.2
17.5°	805.7	792.1	777.6	776.0	774.4	772.8	771.2	767.1	763.1	759.1	755.1
20°	693.2	680.3	667.4	672.3	677.1	681.1	685.9	681.9	677.9	673.1	669.0
22.5°	651.3	644.1	636.1	632.1	628.0	623.2	619.2	619.2	620.0	620.0	620.0
25°	670.6	645.7	620.8	608.7	596.7	583.8	571.7	566.9	562.9	558.1	553.2
27.5°	710.9	674.7	639.3	618.4	597.5	576.6	555.7	546.8	537.2	528.3	518.7
30°	687.5	664.2	640.1	616.0	591.8	567.7	543.6	532.3	521.1	509.0	497.8
32.5°	653.0	648.1	644.1	621.6	599.1	575.8	553.2	548.4	544.4	539.6	534.8
35°	559.7	557.3	554.0	548.4	542.8	537.2	531.5	525.1	518.7	512.2	505.8
37.5°	533.9	522.7	511.4	509.0	506.6	504.2	501.8	499.4	497.0	493.7	491.3
40°	528.3	517.1	505.8	501.8	497.8	492.9	488.9	489.7	491.3	492.1	492.9
42.5°	521.9	510.6	498.6	495.3	492.1	488.9	485.7	486.5	488.1	488.9	489.7
45°	513.8	504.2	494.5	488.9	484.1	478.5	472.8	477.7	482.5	486.5	491.3
47.5°	497.8	487.3	477.7	474.4	471.2	467.2	464.0	468.8	473.6	477.7	482.5
50°	480.9	472.8	464.0	463.2	462.4	460.8	460.0	463.2	466.4	469.6	472.8
52.5°	468.0	461.6	454.3	454.3	453.5	453.5	452.7	455.9	459.2	461.6	464.8
55°	453.5	447.9	442.3	443.1	444.7	445.5	446.3	449.5	453.5	456.7	460.0
57.5°	435.0	431.0	426.2	429.4	431.8	435.0	437.4	439.9	443.1	445.5	447.9
60°	417.3	413.3	408.5	411.7	415.7	419.0	422.2	424.6	427.0	429.4	431.8
62.5°	395.6	389.2	383.6	388.4	392.4	397.2	401.3	402.9	405.3	406.9	408.5
65°	372.3	366.7	361.1	364.3	367.5	369.9	373.1	375.5	377.9	380.4	382.8
67.5°	345.8	342.6	338.5	341.0	343.4	345.8	348.2	349.0	349.0	349.8	349.8
70°	314.4	312.0	308.8	310.4	312.8	314.4	316.0	316.0	316.0	315.2	315.2
72.5°	281.4	279.8	278.2	279.0	280.6	281.4	282.3	281.4	280.6	279.8	279.0
75°	244.5	243.7	242.8	243.7	245.3	246.1	246.9	246.1	244.5	243.7	242.0
77.5°	207.5	207.5	207.5	207.5	208.3	208.3	208.3	206.7	205.1	203.4	201.8
80°	166.5	167.3	168.1	168.1	168.1	168.1	168.1	166.5	164.8	162.4	160.8
82.5°	128.7	128.7	128.7	128.7	129.5	129.5	129.5	125.4	122.2	118.2	114.2
85°	80.4	81.2	81.2	82.0	82.8	82.8	83.6	78.0	73.2	67.5	61.9
87.5°	21.7	21.7	21.7	21.7	21.7	20.9	20.9	16.1	10.5	5.6	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: P596466  
 CATALOG NUMBER: MSA-SA4D-722-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: P596466

CATALOG NUMBER: MSA-SA4D-722-U-SLR

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4
2.5°	1732.1	1736.9	1741.0	1745.8	1746.6	1747.4	1747.4	1748.2	1731.3	1714.4	1696.7
5°	1752.2	1763.5	1775.5	1786.8	1784.4	1782.0	1779.6	1777.1	1772.3	1768.3	1763.5
7.5°	1412.1	1404.0	1395.2	1386.3	1393.6	1400.8	1408.0	1415.3	1418.5	1421.7	1424.1
10°	1227.1	1207.0	1186.9	1166.8	1155.5	1143.5	1132.2	1120.2	1118.6	1117.7	1116.1
12.5°	1067.9	1046.2	1025.3	1003.6	997.1	989.9	983.5	976.2	982.7	989.1	994.7
15°	881.3	873.3	864.4	855.6	862.8	870.1	877.3	884.5	891.0	896.6	903.0
17.5°	751.1	747.8	743.8	739.8	746.2	753.5	759.9	766.3	780.8	795.3	809.8
20°	665.8	663.4	660.2	657.0	654.6	651.3	648.9	645.7	666.6	686.7	707.6
22.5°	615.2	610.3	605.5	600.7	601.5	602.3	602.3	603.1	620.0	637.7	654.6
25°	551.6	550.0	548.4	546.8	551.6	556.5	560.5	565.3	580.6	595.9	610.3
27.5°	519.5	520.3	521.1	521.9	528.3	535.6	542.0	548.4	558.9	569.3	579.8
30°	501.8	506.6	510.6	514.6	517.1	519.5	521.9	524.3	534.8	544.4	554.9
32.5°	528.3	521.9	514.6	508.2	511.4	515.5	518.7	521.9	531.5	541.2	550.8
35°	503.4	500.2	497.8	494.5	498.6	502.6	505.8	509.8	518.7	526.7	535.6
37.5°	490.5	489.7	488.9	488.1	490.5	492.9	494.5	497.0	505.0	513.0	520.3
40°	489.7	485.7	482.5	478.5	480.9	483.3	484.9	487.3	497.0	506.6	516.3
42.5°	484.9	480.1	474.4	469.6	472.0	475.2	477.7	480.1	490.5	500.2	510.6
45°	484.1	476.9	468.8	461.6	464.8	468.0	471.2	474.4	482.5	490.5	497.8
47.5°	475.2	468.0	460.8	453.5	455.1	456.7	457.6	459.2	466.4	472.8	480.1
50°	468.0	462.4	457.6	451.9	449.5	447.9	445.5	443.1	448.7	454.3	460.0
52.5°	459.2	453.5	447.1	441.5	438.3	435.0	431.8	428.6	433.4	437.4	442.3
55°	453.5	446.3	439.9	432.6	428.6	424.6	420.6	416.5	419.8	422.2	425.4
57.5°	441.5	435.0	427.8	421.4	416.5	411.7	406.1	401.3	402.9	404.5	406.1
60°	425.4	418.2	411.7	404.5	398.9	393.2	386.8	381.2	382.0	383.6	384.4
62.5°	402.1	395.6	388.4	382.0	375.5	369.9	363.5	357.0	358.6	359.4	361.1
65°	376.3	369.1	362.7	355.4	349.8	344.2	337.7	332.1	333.7	335.3	336.1
67.5°	345.0	339.3	334.5	328.9	324.1	318.4	313.6	308.0	308.8	309.6	310.4
70°	311.2	306.4	302.4	297.5	293.5	289.5	285.5	281.4	281.4	282.3	282.3
72.5°	275.0	271.0	267.0	263.0	258.9	255.7	251.7	247.7	249.3	250.9	251.7
75°	238.0	234.8	230.8	226.8	223.5	220.3	216.3	213.1	214.7	216.3	217.1
77.5°	199.4	197.0	193.8	191.4	188.2	185.0	180.9	177.7	179.3	180.9	181.7
80°	159.2	157.6	155.2	153.6	150.4	147.2	143.9	140.7	141.5	141.5	142.3
82.5°	115.0	115.8	115.8	116.6	114.2	111.0	108.6	105.3	105.3	105.3	104.5
85°	64.3	67.5	70.0	72.4	70.0	67.5	65.1	62.7	61.9	61.9	61.1
87.5°	2.4	4.0	6.4	8.0	7.2	6.4	4.8	4.0	4.8	5.6	5.6
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: P596466  
 CATALOG NUMBER: MSA-SA4D-722-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: P596466

CATALOG NUMBER: MSA-SA4D-722-U-SLR

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4
2.5°	1679.8	1693.5	1707.2	1720.9	1734.5	1755.4	1776.3	1798.0	1819.8	1807.7	1794.8
5°	1758.6	1766.7	1775.5	1783.6	1791.6	1814.9	1837.4	1865.6	1892.9	1889.7	1885.7
7.5°	1427.3	1438.6	1449.9	1460.3	1471.6	1507.0	1542.3	1572.1	1601.8	1597.8	1593.0
10°	1114.5	1137.9	1162.0	1185.3	1208.6	1237.6	1265.7	1290.6	1315.6	1357.4	1398.4
12.5°	1001.1	1037.3	1073.5	1109.7	1145.9	1166.8	1186.9	1219.1	1251.2	1273.8	1297.1
15°	908.7	942.4	976.2	1010.0	1043.8	1045.4	1047.0	1080.8	1114.5	1133.8	1152.3
17.5°	824.2	842.7	861.2	878.9	897.4	891.0	884.5	900.6	915.9	924.0	932.8
20°	727.7	740.6	753.5	766.3	779.2	788.1	796.1	805.7	814.6	806.5	797.7
22.5°	671.5	690.8	710.9	730.2	749.5	755.1	759.9	754.3	748.7	746.2	743.8
25°	625.6	648.9	673.1	696.4	719.7	731.0	742.2	747.0	751.1	742.2	733.4
27.5°	590.2	618.4	645.7	673.9	701.2	721.3	741.4	747.0	751.9	745.4	738.2
30°	564.5	595.1	625.6	656.2	686.7	717.3	747.0	773.6	799.3	796.9	794.5
32.5°	560.5	581.4	602.3	623.2	644.1	663.4	681.9	683.5	684.3	677.9	670.6
35°	543.6	557.3	570.9	584.6	598.3	610.3	621.6	620.0	618.4	611.9	605.5
37.5°	528.3	542.0	556.5	570.1	583.8	604.7	624.8	620.8	616.0	609.5	603.1
40°	525.9	541.2	556.5	570.9	586.2	605.5	624.8	620.8	616.8	608.7	600.7
42.5°	520.3	535.6	550.0	565.3	579.8	603.1	625.6	618.4	610.3	603.9	597.5
45°	505.8	519.5	533.1	546.8	560.5	585.4	610.3	601.5	592.6	590.2	587.0
47.5°	486.5	500.2	513.8	527.5	541.2	566.1	590.2	583.0	575.0	574.2	572.5
50°	465.6	478.5	492.1	505.0	517.9	542.8	566.9	560.5	554.0	554.9	554.9
52.5°	446.3	458.4	469.6	481.7	492.9	517.9	542.0	537.2	531.5	533.1	533.9
55°	427.8	437.4	447.1	456.7	466.4	490.5	514.6	507.4	500.2	502.6	505.0
57.5°	407.7	415.7	423.8	431.0	439.1	463.2	486.5	478.5	469.6	473.6	476.9
60°	385.2	392.4	399.7	406.1	413.3	435.0	455.9	448.7	440.7	446.3	451.1
62.5°	361.9	367.5	373.1	378.7	384.4	404.5	424.6	419.0	413.3	419.8	425.4
65°	337.7	341.8	346.6	350.6	354.6	373.9	392.4	388.4	384.4	390.0	395.6
67.5°	311.2	314.4	318.4	321.7	324.9	342.6	360.3	356.2	351.4	356.2	360.3
70°	282.3	285.5	287.9	291.1	293.5	309.6	325.7	320.0	313.6	318.4	322.5
72.5°	253.3	254.9	257.3	258.9	260.5	272.6	284.7	279.8	275.0	279.8	283.9
75°	218.7	220.3	221.9	223.5	225.2	235.6	245.3	239.6	233.2	238.0	242.8
77.5°	183.3	184.1	185.8	186.6	187.4	194.6	201.0	195.4	189.0	194.6	200.2
80°	142.3	143.1	143.9	143.9	144.7	147.2	149.6	145.5	140.7	148.0	155.2
82.5°	104.5	103.7	103.7	102.9	102.1	102.1	101.3	98.9	95.7	102.1	108.6
85°	60.3	59.5	57.9	57.1	55.5	53.1	50.7	49.9	49.1	54.7	60.3
87.5°	6.4	5.6	4.0	3.2	1.6	0.8	0.0	0.0	0.0	3.2	7.2
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: P596466  
 CATALOG NUMBER: MSA-SA4D-722-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: P596466

CATALOG NUMBER: MSA-SA4D-722-U-SLR

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4
2.5°	1782.8	1769.9	1757.8	1745.8	1733.7	1721.7	1744.2	1766.7	1789.2	1811.7	1831.8
5°	1882.5	1878.5	1868.0	1858.4	1847.9	1837.4	1843.1	1849.5	1855.1	1860.8	1872.8
7.5°	1589.0	1584.1	1606.7	1628.4	1650.9	1672.6	1678.2	1683.1	1688.7	1693.5	1690.3
10°	1440.2	1481.2	1491.7	1501.3	1511.8	1521.4	1537.5	1553.6	1568.9	1585.0	1593.8
12.5°	1319.6	1342.1	1379.1	1416.9	1453.9	1490.9	1515.0	1539.1	1563.2	1587.4	1637.2
15°	1171.6	1190.1	1218.3	1246.4	1274.6	1302.7	1337.3	1372.7	1407.2	1441.8	1496.5
17.5°	940.8	948.9	969.8	990.7	1010.8	1031.7	1078.3	1124.2	1170.8	1216.7	1279.4
20°	789.7	780.8	780.8	781.6	781.6	781.6	828.3	874.1	920.7	966.6	1049.4
22.5°	740.6	738.2	729.4	719.7	710.9	701.2	725.3	750.3	774.4	798.5	866.1
25°	723.7	714.9	703.6	692.4	681.1	669.8	685.1	700.4	715.7	731.0	784.0
27.5°	731.8	724.5	730.2	735.0	740.6	745.4	750.3	755.1	759.9	764.7	783.2
30°	792.1	789.7	798.5	806.5	815.4	823.4	812.2	801.7	790.5	779.2	785.6
32.5°	664.2	657.0	653.8	650.5	647.3	644.1	643.3	642.5	640.9	640.1	654.6
35°	599.1	592.6	587.8	583.0	577.4	572.5	575.0	576.6	579.0	580.6	596.7
37.5°	596.7	590.2	584.6	579.0	572.5	566.9	569.3	572.5	575.0	577.4	589.4
40°	592.6	584.6	581.4	578.2	575.0	571.7	573.3	575.0	575.8	577.4	586.2
42.5°	590.2	583.8	582.2	580.6	579.0	577.4	579.0	580.6	581.4	583.0	593.5
45°	584.6	581.4	583.0	584.6	586.2	587.8	587.8	587.8	587.8	587.8	599.1
47.5°	571.7	570.1	575.0	579.8	584.6	589.4	597.5	605.5	612.8	620.8	623.2
50°	555.7	555.7	563.7	571.7	579.0	587.0	606.3	624.8	644.1	662.6	650.5
52.5°	535.6	536.4	548.4	559.7	571.7	583.0	600.7	618.4	635.3	653.0	635.3
55°	506.6	509.0	524.3	538.8	554.0	568.5	582.2	595.9	609.5	623.2	604.7
57.5°	480.9	484.1	500.2	515.5	531.5	546.8	554.9	563.7	571.7	579.8	567.7
60°	456.7	461.6	482.5	503.4	523.5	544.4	538.0	531.5	524.3	517.9	517.1
62.5°	431.8	437.4	456.7	476.0	494.5	513.8	504.2	494.5	484.1	474.4	478.5
65°	400.5	406.1	414.9	423.8	431.8	440.7	439.9	439.9	439.1	438.3	446.3
67.5°	365.1	369.1	374.7	379.6	385.2	390.0	393.2	397.2	400.5	403.7	413.3
70°	327.3	331.3	336.9	341.8	347.4	352.2	356.2	360.3	363.5	367.5	377.1
72.5°	288.7	292.7	298.3	304.0	308.8	314.4	317.6	320.9	323.3	326.5	334.5
75°	247.7	252.5	258.1	263.0	268.6	273.4	275.8	278.2	280.6	283.1	290.3
77.5°	205.9	211.5	217.1	222.7	228.4	234.0	234.8	235.6	236.4	237.2	243.7
80°	161.6	168.9	174.5	180.1	185.8	191.4	191.4	191.4	191.4	191.4	194.6
82.5°	115.0	121.4	127.9	133.5	139.9	145.5	145.5	144.7	144.7	143.9	143.9
85°	65.9	71.6	75.6	80.4	84.4	88.5	88.5	88.5	87.7	87.7	86.0
87.5°	10.5	13.7	15.3	17.7	19.3	20.9	20.1	20.1	19.3	18.5	16.1
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: P596466  
 CATALOG NUMBER: MSA-SA4D-722-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: P596466  
 CATALOG NUMBER: MSA-SA4D-722-U-SLR

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4
2.5°	1851.9	1872.0	1892.1	1888.9	1885.7	1882.5	1879.3	1891.3	1902.6	1914.6	1925.9
5°	1884.1	1896.2	1907.4	1916.3	1925.1	1933.9	1942.8	1983.8	2024.0	2065.0	2105.2
7.5°	1687.1	1683.1	1679.8	1717.6	1756.2	1794.0	1831.8	1884.1	1936.4	1988.6	2040.9
10°	1602.6	1611.5	1620.3	1635.6	1651.7	1667.0	1682.3	1733.7	1785.2	1836.6	1888.1
12.5°	1686.3	1736.1	1785.2	1797.2	1810.1	1822.2	1834.2	1844.7	1855.1	1864.8	1875.2
15°	1551.2	1605.9	1660.5	1691.9	1723.3	1753.8	1785.2	1864.0	1942.0	2020.8	2098.8
17.5°	1341.3	1404.0	1465.9	1543.1	1620.3	1697.5	1774.7	1847.1	1919.5	1991.0	2063.4
20°	1132.2	1214.2	1297.1	1381.5	1465.1	1549.6	1633.2	1704.0	1774.7	1844.7	1915.5
22.5°	932.8	1000.3	1067.1	1170.0	1272.1	1375.1	1477.2	1609.1	1740.1	1872.0	2003.1
25°	836.3	889.4	941.6	1047.8	1153.9	1259.3	1365.4	1536.7	1707.2	1878.5	2048.9
27.5°	802.5	821.0	839.5	936.0	1031.7	1128.2	1223.9	1408.8	1593.8	1777.9	1962.9
30°	792.1	798.5	804.9	880.5	956.1	1031.7	1107.3	1289.8	1473.2	1655.7	1838.3
32.5°	668.2	682.7	696.4	770.4	843.5	917.5	990.7	1174.8	1358.2	1542.3	1725.7
35°	612.8	628.8	644.9	717.3	789.7	861.2	933.6	1127.4	1322.0	1515.8	1709.6
37.5°	601.5	613.6	625.6	707.6	789.7	871.7	953.7	1149.9	1346.1	1542.3	1738.5
40°	595.9	604.7	613.6	693.2	773.6	853.2	932.8	1138.7	1343.7	1549.6	1754.6
42.5°	603.1	613.6	623.2	695.6	767.1	839.5	911.1	1124.2	1336.5	1549.6	1761.9
45°	609.5	620.8	631.2	698.8	766.3	833.9	901.4	1129.0	1355.8	1583.3	1810.1
47.5°	624.8	627.2	628.8	687.5	745.4	804.1	862.0	1093.6	1325.2	1556.0	1787.6
50°	637.7	625.6	612.8	673.9	734.2	795.3	855.6	1075.1	1294.7	1513.4	1732.9
52.5°	617.6	599.1	581.4	647.3	713.3	778.4	844.3	1063.9	1284.2	1503.7	1723.3
55°	587.0	568.5	550.0	616.8	683.5	750.3	817.0	1035.7	1255.3	1474.0	1692.7
57.5°	556.5	544.4	532.3	587.0	642.5	697.2	751.9	989.1	1225.5	1462.7	1699.1
60°	516.3	514.6	513.8	556.5	599.9	642.5	685.1	917.5	1149.1	1381.5	1613.1
62.5°	481.7	485.7	488.9	523.5	558.1	591.8	626.4	850.8	1075.9	1300.3	1524.6
65°	455.1	463.2	471.2	510.6	550.0	588.6	628.0	816.2	1004.4	1192.5	1380.7
67.5°	423.0	432.6	442.3	493.7	545.2	596.7	648.1	803.3	958.5	1113.7	1268.9
70°	386.0	395.6	404.5	470.4	535.6	601.5	666.6	804.1	942.4	1080.0	1217.5
72.5°	342.6	350.6	358.6	429.4	500.2	570.9	641.7	758.3	874.9	990.7	1107.3
75°	298.3	305.6	312.8	373.9	435.0	496.2	557.3	647.3	736.6	826.7	915.9
77.5°	249.3	255.7	261.3	302.4	343.4	384.4	425.4	494.5	562.9	632.1	700.4
80°	197.8	201.0	204.3	228.4	251.7	275.8	299.1	345.0	390.8	435.8	481.7
82.5°	144.7	144.7	144.7	160.0	176.1	191.4	206.7	230.0	252.5	275.8	298.3
85°	84.4	82.0	80.4	90.9	101.3	111.8	122.2	131.9	141.5	151.2	160.8
87.5°	13.7	10.5	8.0	14.5	20.9	27.3	33.8	37.0	41.0	44.2	47.4
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: P596466  
 CATALOG NUMBER: MSA-SA4D-722-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: P596466

CATALOG NUMBER: MSA-SA4D-722-U-SLR

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4
2.5°	1898.6	1872.0	1844.7	1817.3	1857.6	1897.8	1938.0	1978.2	2085.1	2148.7	2152.7
5°	2139.0	2172.8	2206.5	2240.3	2274.1	2307.9	2340.8	2374.6	2548.3	2655.3	2675.4
7.5°	2096.4	2152.7	2208.2	2263.6	2359.3	2455.0	2550.7	2646.4	2793.6	2899.7	2969.7
10°	1957.3	2026.4	2095.6	2164.7	2278.1	2392.3	2505.7	2619.1	2775.1	2915.0	2981.7
12.5°	1985.4	2095.6	2204.9	2315.1	2413.2	2512.1	2610.2	2708.3	2816.1	2869.2	2990.6
15°	2175.2	2251.6	2328.0	2404.4	2552.3	2699.5	2847.4	2994.6	3055.7	3177.1	3286.5
17.5°	2204.1	2344.1	2484.8	2624.7	2805.6	2986.6	3167.5	3348.4	3461.8	3618.6	3750.5
20°	2114.1	2311.9	2510.5	2708.3	2941.5	3175.5	3408.7	3641.9	3785.9	3917.7	4122.0
22.5°	2221.8	2440.6	2658.5	2877.2	3186.8	3495.6	3805.2	4114.0	4414.7	4709.0	4847.3
25°	2340.8	2633.5	2925.4	3217.3	3604.1	3990.1	4376.9	4762.9	5149.7	5425.5	5584.7
27.5°	2257.2	2550.7	2845.0	3138.5	3617.0	4096.3	4574.7	5053.2	5467.3	5799.4	5936.1
30°	2198.5	2558.8	2919.0	3279.3	3840.6	4401.8	4963.1	5524.4	5907.2	6277.9	6478.9
32.5°	2188.1	2650.4	3112.0	3574.4	4228.1	4881.1	5534.9	6187.8	6441.9	6770.8	7041.8
35°	2217.0	2725.2	3232.6	3740.0	4489.5	5238.9	5987.6	6737.0	7098.1	7423.8	7661.0
37.5°	2305.5	2872.4	3438.5	4005.4	4908.4	5812.3	6715.3	7618.4	8223.9	8819.8	8925.9
40°	2355.3	2956.8	3557.5	4158.2	5208.4	6258.6	7308.8	8359.0	9055.4	9709.1	9753.4
42.5°	2414.0	3066.2	3717.5	4369.7	5534.1	6699.3	7863.6	9028.0	9890.1	10592.9	10613.8
45°	2481.6	3152.2	3823.7	4494.3	5710.2	6925.2	8141.1	9356.1	10398.3	11252.3	11044.0
47.5°	2508.1	3229.4	3949.9	4670.4	5966.7	7262.1	8558.4	9853.9	10789.1	11565.9	11366.5
50°	2518.6	3305.0	4090.6	4876.3	6219.2	7562.9	8905.8	10248.7	11200.0	11957.5	11651.9
52.5°	2583.7	3444.1	4304.5	5165.0	6564.2	7963.4	9362.6	10761.7	11697.8	12425.5	12046.0
55°	2671.3	3650.0	4627.8	5606.4	7054.7	8502.1	9950.4	11397.8	12337.0	13014.1	12543.7
57.5°	2752.6	3806.8	4860.2	5913.6	7414.1	8915.5	10416.0	11916.5	12867.8	13537.6	13081.7
60°	2713.2	3813.2	4913.3	6013.3	7488.1	8962.1	10436.9	11910.9	12990.8	13794.1	13560.9
62.5°	2594.1	3663.6	4732.3	5801.8	7201.8	8601.0	10001.0	11400.2	12664.3	13694.4	13684.0
65°	2365.0	3349.2	4332.7	5316.9	6612.4	7908.7	9204.1	10499.6	11989.7	13240.9	13322.1
67.5°	2085.9	2902.9	3719.9	4536.9	5756.8	6976.7	8196.6	9416.4	11009.4	12390.1	12460.1
70°	1815.7	2414.8	3013.1	3611.4	4682.5	5753.6	6823.9	7895.0	9504.1	10900.9	10965.2
72.5°	1498.9	1890.5	2281.3	2672.9	3540.6	4408.3	5275.1	6142.8	7555.7	8630.0	8992.6
75°	1148.3	1380.7	1613.1	1845.5	2547.5	3249.5	3950.7	4652.7	5592.0	6384.8	6793.3
77.5°	821.0	941.6	1062.3	1182.9	1779.6	2376.2	2972.1	3568.8	4062.5	4512.0	4787.8
80°	538.8	595.1	652.2	708.4	1204.6	1700.7	2196.1	2692.2	2993.0	3234.2	3373.3
82.5°	326.5	354.6	382.0	410.1	812.2	1214.2	1615.5	2017.6	2189.7	2304.7	2428.5
85°	176.1	191.4	206.7	221.9	480.1	737.4	995.5	1252.8	1269.7	1283.4	1467.5
87.5°	51.5	56.3	60.3	64.3	106.1	148.8	190.6	232.4	144.7	90.1	185.0
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: P596466  
 CATALOG NUMBER: MSA-SA4D-722-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: P596466

CATALOG NUMBER: MSA-SA4D-722-U-SLR

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4
2.5°	2129.4	2118.9	2108.4	2097.2	2086.7	2042.5	1999.1	1954.9	1910.6	1953.2	1995.1
5°	2652.0	2684.2	2715.6	2747.7	2779.9	2782.3	2783.9	2786.3	2787.9	2796.0	2804.0
7.5°	3028.4	3085.5	3141.8	3198.9	3255.9	3300.2	3344.4	3389.4	3433.7	3393.5	3353.2
10°	3060.5	3181.2	3301.8	3422.4	3543.0	3564.7	3585.6	3607.4	3629.1	3658.0	3686.2
12.5°	3092.7	3239.9	3386.2	3533.4	3680.5	3744.9	3808.4	3872.7	3936.2	3967.6	3998.2
15°	3432.9	3519.7	3605.7	3692.6	3778.6	3822.9	3866.3	3910.5	3954.7	3981.3	4007.0
17.5°	3870.3	3902.5	3933.8	3966.0	3998.2	4027.9	4057.7	4087.4	4117.2	4122.0	4126.8
20°	4269.2	4275.6	4281.2	4287.7	4293.3	4230.6	4168.6	4105.9	4043.2	4054.5	4064.9
22.5°	4867.4	4832.1	4797.5	4762.1	4727.5	4609.3	4491.9	4373.7	4256.3	4205.6	4155.8
25°	5768.1	5678.0	5587.9	5497.9	5407.8	5219.6	5032.3	4844.1	4656.7	4546.6	4437.2
27.5°	6058.4	5862.1	5666.7	5470.5	5274.3	5132.0	4990.5	4848.1	4706.6	4532.1	4357.6
30°	6645.4	6335.8	6027.0	5717.4	5407.8	5270.3	5132.8	4994.5	4857.0	4678.5	4500.7
32.5°	7165.7	6844.0	6522.3	6199.9	5878.2	5617.7	5357.2	5096.6	4836.1	4715.5	4594.8
35°	7767.9	7363.5	6959.0	6554.5	6150.0	5926.5	5703.7	5480.2	5257.4	5074.9	4893.2
37.5°	8645.3	8215.0	7784.8	7353.8	6923.6	6621.3	6319.7	6017.3	5715.8	5615.3	5515.6
40°	9481.6	8973.3	8465.9	7957.7	7450.3	7218.7	6987.1	6754.7	6523.1	6353.5	6183.8
42.5°	10182.0	9679.4	9177.6	8675.0	8173.2	8004.4	7836.3	7667.4	7499.4	7359.4	7219.5
45°	10422.4	10012.3	9603.0	9192.9	8782.8	8723.3	8664.6	8605.1	8546.4	8442.6	8338.9
47.5°	10809.2	10391.0	9973.7	9555.5	9137.4	9159.1	9180.8	9203.3	9225.0	9230.7	9235.5
50°	11036.8	10639.5	10243.1	9845.8	9449.4	9554.7	9659.3	9764.6	9870.0	10108.8	10346.8
52.5°	11368.9	10978.9	10589.7	10199.7	9809.7	9988.2	10165.9	10344.4	10522.1	10856.6	11191.2
55°	11785.4	11412.3	11040.0	10666.9	10294.5	10468.2	10641.1	10814.8	10987.7	11360.0	11732.3
57.5°	12337.9	11938.2	11539.3	11139.7	10740.8	10900.9	11060.1	11220.1	11379.3	11733.1	12087.0
60°	12966.7	12532.5	12098.2	11663.2	11228.9	11273.2	11316.6	11360.8	11404.3	11787.8	12170.6
62.5°	13275.5	12873.4	12472.1	12070.1	11668.0	11545.0	11421.9	11298.1	11175.1	11518.4	11861.0
65°	13007.7	12731.1	12455.3	12178.6	11902.0	11684.9	11468.6	11251.5	11034.3	11249.1	11463.0
67.5°	12155.3	11998.5	11842.5	11685.7	11528.9	11164.6	10800.3	10435.3	10071.0	10085.5	10099.1
70°	10773.8	10732.0	10691.0	10649.2	10607.4	10059.7	9512.9	8965.3	8417.7	8334.1	8250.4
72.5°	9023.2	9050.5	9077.1	9104.4	9131.8	8543.1	7954.5	7365.9	6777.3	6638.1	6499.0
75°	6988.7	7139.9	7291.1	7443.1	7594.3	7031.4	6468.5	5904.8	5341.9	5170.6	4999.3
77.5°	4938.2	5220.4	5501.9	5784.1	6066.4	5557.4	5049.2	4540.1	4031.1	3920.2	3809.2
80°	3443.3	3581.6	3719.9	3858.2	3996.6	3740.8	3485.1	3229.4	2973.7	3004.3	3034.0
82.5°	2508.1	2540.3	2571.6	2603.8	2636.0	2531.4	2426.9	2321.5	2217.0	2296.6	2376.2
85°	1606.7	1721.7	1835.8	1950.8	2065.0	1949.2	1833.4	1716.8	1601.0	1654.1	1707.2
87.5°	359.4	568.5	777.6	987.5	1196.6	1084.0	972.2	859.6	747.0	696.4	646.5
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: P596466  
 CATALOG NUMBER: MSA-SA4D-722-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: P596466

CATALOG NUMBER: MSA-SA4D-722-U-SLR

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4
2.5°	2037.7	2080.3	2067.4	2055.4	2042.5	2029.6	2053.0	2076.3	2100.4	2123.7	2115.7
5°	2812.9	2820.9	2744.5	2668.9	2592.5	2516.1	2563.6	2611.0	2658.5	2705.9	2689.0
7.5°	3313.0	3272.8	3228.6	3184.4	3139.3	3095.1	3085.5	3075.8	3065.4	3055.7	3042.8
10°	3715.1	3743.3	3714.3	3686.2	3657.2	3628.3	3560.7	3493.2	3424.8	3357.3	3329.1
12.5°	4029.5	4060.9	4068.1	4074.6	4081.8	4089.0	4013.4	3938.7	3863.1	3787.5	3719.1
15°	4033.5	4060.1	4083.4	4105.9	4129.2	4151.8	4105.1	4059.3	4012.6	3966.0	3944.3
17.5°	4132.5	4137.3	4118.0	4099.5	4080.2	4061.7	4043.2	4025.5	4007.0	3989.3	3954.7
20°	4076.2	4087.4	4085.0	4082.6	4079.4	4077.0	4078.6	4079.4	4081.0	4081.8	4062.5
22.5°	4105.1	4054.5	4064.9	4074.6	4085.0	4094.7	4123.6	4152.6	4182.3	4211.3	4288.5
25°	4327.1	4216.9	4200.0	4183.9	4167.0	4150.9	4226.5	4301.3	4376.9	4452.5	4577.9
27.5°	4182.3	4007.8	3969.2	3930.6	3892.0	3853.4	3968.4	4082.6	4197.6	4312.6	4440.4
30°	4322.2	4144.5	4059.3	3974.0	3888.0	3802.8	3912.9	4022.3	4132.5	4241.8	4383.3
32.5°	4474.2	4353.6	4296.5	4240.2	4183.1	4126.8	4135.7	4144.5	4153.4	4162.2	4361.6
35°	4710.6	4528.1	4471.8	4415.5	4359.2	4302.9	4397.0	4490.3	4584.4	4677.7	4846.5
37.5°	5415.0	5314.5	5213.2	5111.9	5009.8	4908.4	4963.9	5019.4	5074.9	5130.4	5289.6
40°	6014.1	5844.5	5827.6	5811.5	5794.6	5777.7	5782.5	5786.6	5791.4	5796.2	5932.1
42.5°	7078.8	6938.9	6852.8	6766.8	6680.8	6594.7	6589.1	6583.5	6577.0	6571.4	6673.5
45°	8234.3	8130.6	8066.3	8002.0	7936.8	7872.5	7770.4	7668.2	7565.3	7463.2	7552.4
47.5°	9241.1	9246.8	9363.4	9479.2	9595.8	9712.3	9537.9	9363.4	9188.9	9014.4	8899.4
50°	10585.6	10823.7	10851.8	10879.2	10907.3	10935.4	10639.5	10344.4	10048.5	9752.6	9631.9
52.5°	11526.5	11861.0	11817.6	11775.0	11731.5	11688.1	11516.8	11346.4	11175.1	11003.8	10740.8
55°	12105.5	12477.8	12444.8	12412.6	12379.7	12346.7	12222.1	12097.4	11972.8	11848.1	11559.4
57.5°	12440.8	12794.6	12804.3	12813.9	12823.6	12833.2	12800.2	12767.3	12734.3	12701.3	12325.8
60°	12554.2	12937.7	12941.8	12945.0	12949.0	12952.2	12899.9	12847.7	12794.6	12742.3	12497.1
62.5°	12204.4	12546.9	12562.2	12576.7	12592.0	12607.2	12571.1	12534.9	12498.7	12462.5	12280.8
65°	11677.7	11892.4	11896.4	11899.6	11903.6	11907.6	11816.0	11725.1	11633.4	11541.8	11498.3
67.5°	10113.6	10128.1	10213.3	10298.6	10383.8	10469.0	10476.3	10483.5	10491.6	10498.8	10436.1
70°	8166.8	8083.2	8175.6	8268.1	8360.6	8453.1	8492.5	8531.9	8572.1	8611.5	8640.4
72.5°	6359.1	6220.0	6288.3	6356.7	6425.8	6494.2	6435.5	6376.8	6318.1	6259.4	6445.1
75°	4828.0	4656.7	4647.9	4639.9	4631.0	4623.0	4593.2	4563.5	4532.9	4503.2	4676.9
77.5°	3697.4	3586.4	3592.1	3596.9	3602.5	3607.4	3576.8	3547.0	3516.5	3485.9	3552.7
80°	3064.6	3094.3	3095.1	3095.9	3096.7	3097.5	3068.6	3040.4	3011.5	2982.5	2934.3
82.5°	2456.6	2536.2	2535.4	2535.4	2534.6	2533.8	2532.2	2530.6	2528.2	2526.6	2447.8
85°	1760.3	1813.3	1758.6	1704.0	1649.3	1594.6	1634.8	1675.0	1716.0	1756.2	1723.3
87.5°	595.9	546.0	480.9	416.5	351.4	286.3	356.2	426.2	497.0	566.9	607.1
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: P596466  
 CATALOG NUMBER: MSA-SA4D-722-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: P596466

CATALOG NUMBER: MSA-SA4D-722-U-SLR

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4	1747.4
2.5°	2108.4	2100.4	2093.2	2042.5	1991.0	1940.4	1888.9	1982.2	2076.3	2169.6	2262.8
5°	2672.9	2656.1	2640.0	2636.0	2631.9	2627.1	2623.1	2670.5	2718.0	2764.6	2812.1
7.5°	3030.0	3017.1	3004.3	2970.5	2937.5	2903.7	2870.0	2898.9	2927.1	2956.0	2984.1
10°	3301.8	3273.6	3245.5	3172.3	3099.9	3026.8	2953.6	2931.9	2910.2	2888.5	2866.7
12.5°	3650.8	3581.6	3513.3	3430.4	3346.8	3264.0	3180.4	3169.1	3157.8	3147.4	3136.1
15°	3923.4	3901.7	3880.0	3814.0	3748.1	3682.1	3616.2	3527.7	3438.5	3350.0	3261.6
17.5°	3921.0	3886.4	3852.6	3941.1	4028.7	4117.2	4204.8	4110.7	4015.9	3921.8	3827.7
20°	4043.2	4023.1	4003.8	4167.0	4329.5	4492.7	4655.1	4603.7	4551.4	4499.9	4447.7
22.5°	4364.8	4442.0	4518.4	4658.4	4797.5	4937.4	5076.5	5135.2	5193.9	5252.6	5311.3
25°	4702.6	4828.0	4953.5	5161.7	5369.2	5577.5	5785.8	5827.6	5869.4	5911.2	5953.0
27.5°	4567.5	4695.3	4823.2	4980.8	5137.6	5295.2	5452.0	5635.4	5819.5	6002.9	6186.2
30°	4524.1	4665.6	4806.3	5022.6	5238.1	5454.5	5670.8	5923.3	6175.8	6427.5	6680.0
32.5°	4560.3	4759.7	4959.1	5251.8	5543.7	5836.4	6129.1	6394.5	6660.7	6926.0	7191.4
35°	5014.6	5183.5	5351.5	5678.8	6006.1	6333.4	6660.7	6971.9	7283.1	7593.5	7904.7
37.5°	5448.0	5607.2	5766.5	6101.0	6434.7	6769.2	7103.7	7595.1	8087.2	8578.5	9069.8
40°	6067.2	6203.1	6338.2	6624.5	6910.7	7197.0	7483.3	8075.9	8668.6	9261.2	9853.9
42.5°	6774.8	6877.0	6978.3	7275.0	7571.7	7868.5	8165.2	8810.1	9455.8	10100.7	10745.7
45°	7640.9	7730.2	7819.4	8023.7	8227.9	8433.0	8637.2	9302.2	9967.3	10632.3	11297.3
47.5°	8784.4	8669.4	8554.4	8654.9	8755.4	8855.9	8956.5	9614.2	10272.0	10929.0	11586.8
50°	9511.3	9390.7	9270.1	9278.9	9287.0	9295.8	9304.7	9918.2	10531.8	11144.5	11758.1
52.5°	10477.9	10214.1	9951.2	9948.8	9946.4	9943.1	9940.7	10475.5	11011.0	11545.8	12080.5
55°	11270.8	10982.1	10693.4	10637.1	10580.8	10523.7	10467.4	10996.6	11524.9	12054.0	12582.3
57.5°	11950.3	11573.9	11198.4	11109.9	11021.5	10933.0	10844.6	11414.7	11985.6	12555.8	13125.9
60°	12252.6	12007.4	11762.9	11654.3	11545.8	11437.2	11328.7	11814.4	12300.1	12785.0	13270.6
62.5°	12099.8	11918.1	11737.2	11762.1	11787.0	11811.9	11836.9	12114.3	12392.5	12670.0	12947.4
65°	11455.7	11412.3	11369.7	11570.7	11771.7	11972.8	12173.8	12177.8	12181.9	12185.9	12189.9
67.5°	10373.3	10310.6	10247.9	10666.1	11083.4	11501.6	11919.7	11721.1	11522.5	11324.6	11126.0
70°	8668.6	8697.5	8725.7	9295.0	9863.5	10432.9	11002.2	10714.3	10425.6	10137.7	9849.1
72.5°	6630.9	6817.5	7003.2	7593.5	8183.7	8773.9	9364.2	9035.3	8705.6	8376.7	8047.0
75°	4850.5	5024.2	5197.9	5780.9	6363.9	6947.7	7530.7	7139.9	6749.1	6359.1	5968.3
77.5°	3619.4	3687.0	3753.7	4238.6	4722.7	5207.6	5691.7	5299.3	4906.8	4515.2	4122.8
80°	2886.8	2838.6	2791.2	3059.7	3328.3	3596.9	3865.5	3587.2	3308.2	3030.0	2751.8
82.5°	2369.8	2291.0	2213.0	2312.7	2412.4	2512.9	2612.6	2389.9	2167.1	1944.4	1721.7
85°	1690.3	1657.3	1624.4	1653.3	1681.4	1710.4	1739.3	1522.2	1305.1	1088.8	871.7
87.5°	646.5	686.7	726.9	772.8	817.8	863.6	908.7	711.7	514.6	318.4	121.4
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: P596466  
 CATALOG NUMBER: MSA-SA4D-722-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: P596466  
 CATALOG NUMBER: MSA-SA4D-722-U-SLR

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	1747.4	1747.4
2.5°	2301.4	2340.0
5°	2811.3	2810.5
7.5°	2971.3	2957.6
10°	2831.4	2796.0
12.5°	3031.6	2926.2
15°	3157.0	3051.7
17.5°	3669.3	3510.1
20°	4258.7	4068.9
22.5°	5022.6	4733.9
25°	5608.0	5262.3
27.5°	5981.2	5775.3
30°	6444.3	6208.7
32.5°	7017.7	6843.2
35°	7745.4	7585.4
37.5°	9020.0	8969.3
40°	9793.6	9732.5
42.5°	10748.1	10749.7
45°	11333.5	11369.7
47.5°	11678.5	11769.3
50°	11953.5	12148.1
52.5°	12346.7	12612.9
55°	12936.1	13289.1
57.5°	13426.7	13727.4
60°	13426.7	13581.9
62.5°	12943.4	12938.5
65°	12115.1	12039.5
67.5°	11031.1	10936.2
70°	9701.1	9552.3
72.5°	7862.8	7677.9
75°	5715.0	5460.9
77.5°	4002.2	3880.8
80°	2810.5	2869.2
82.5°	1805.3	1888.9
85°	858.8	846.0
87.5°	101.3	81.2
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: P596466  
CATALOG NUMBER: MSA-SA4D-722-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)