

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: P596378

Luminaire Tested: **MSA-SA3D-722-U-SLR**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P596378
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-SA3D-722-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: 12535 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

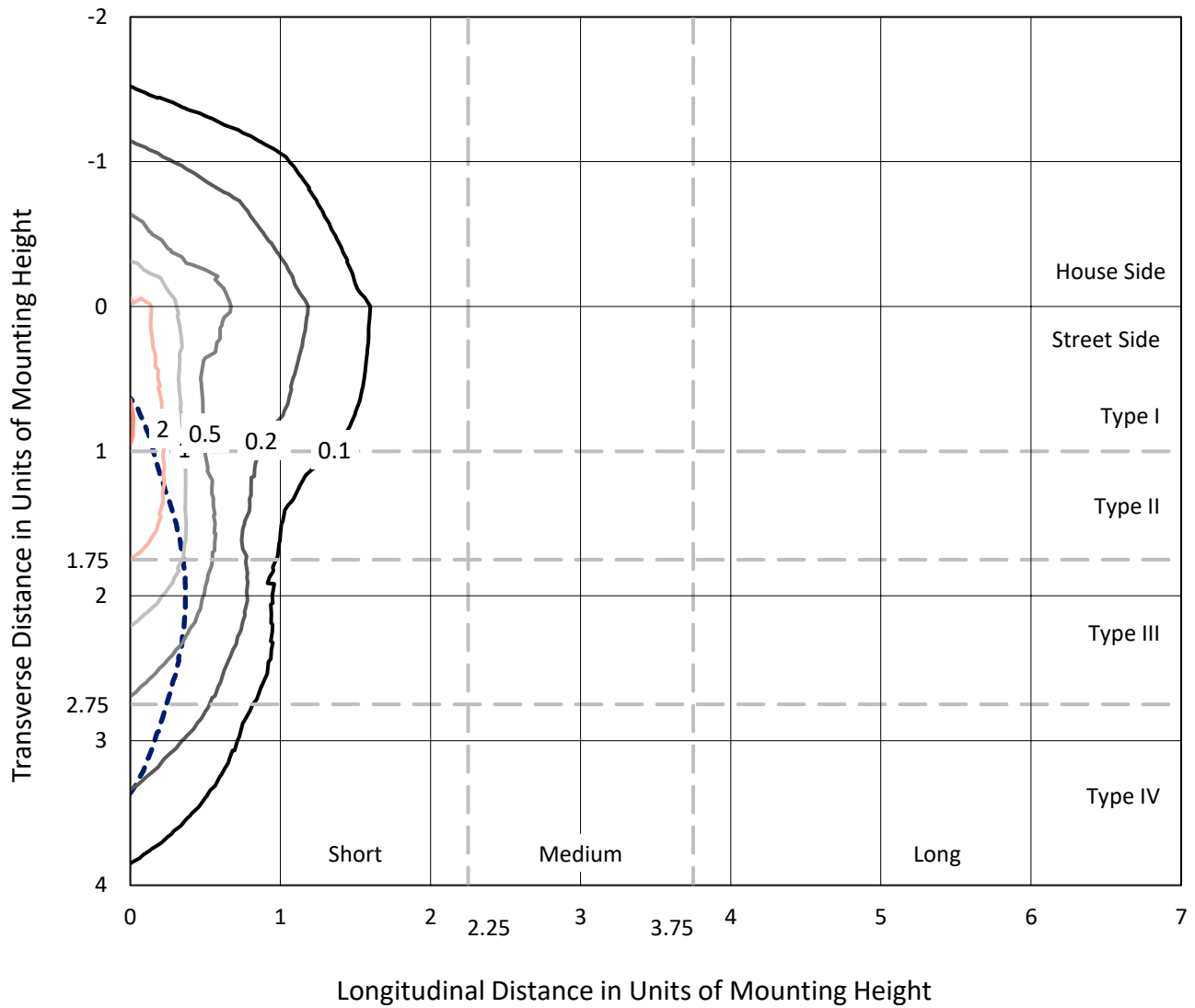
Input Watts (W): 192
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

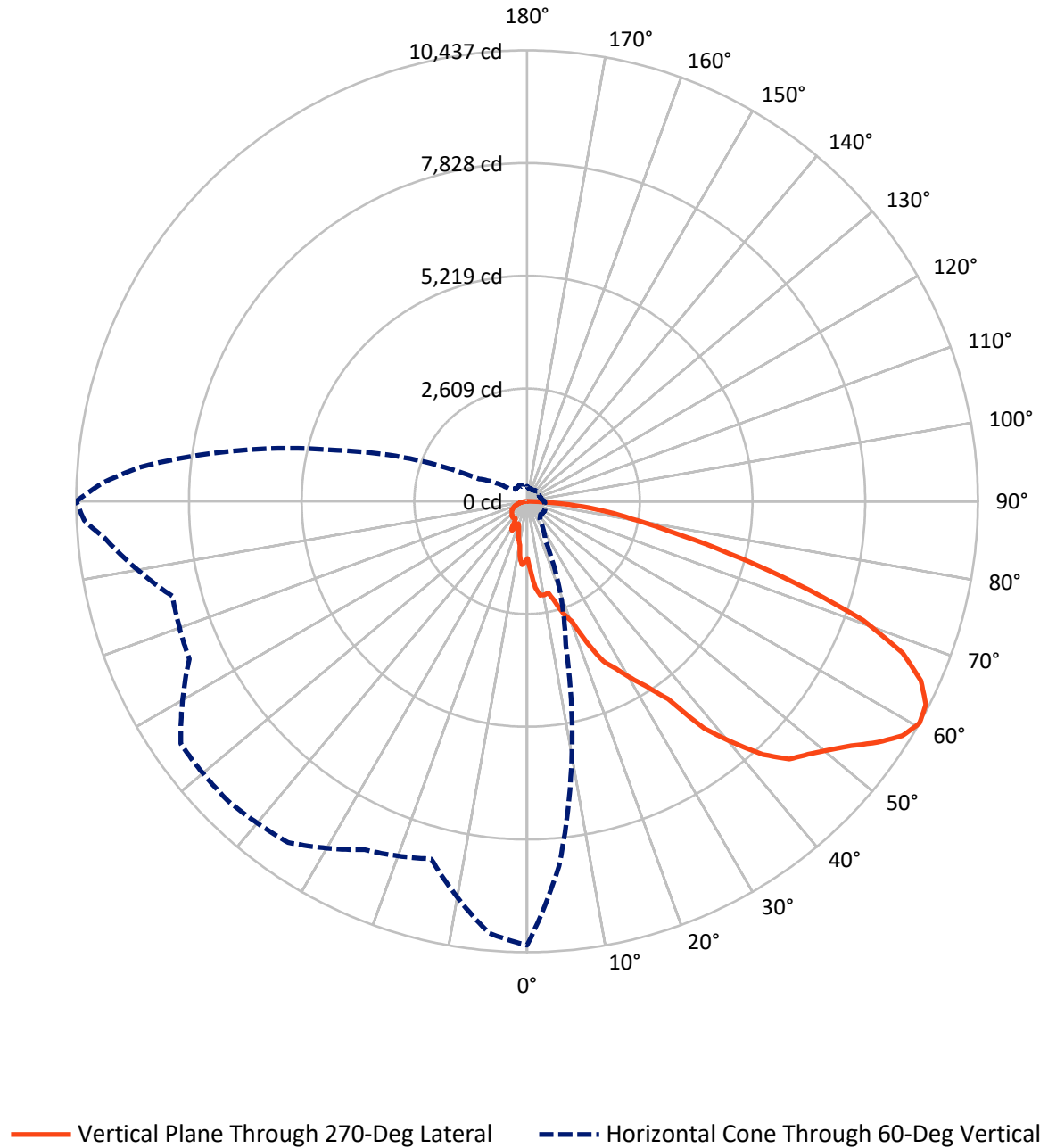
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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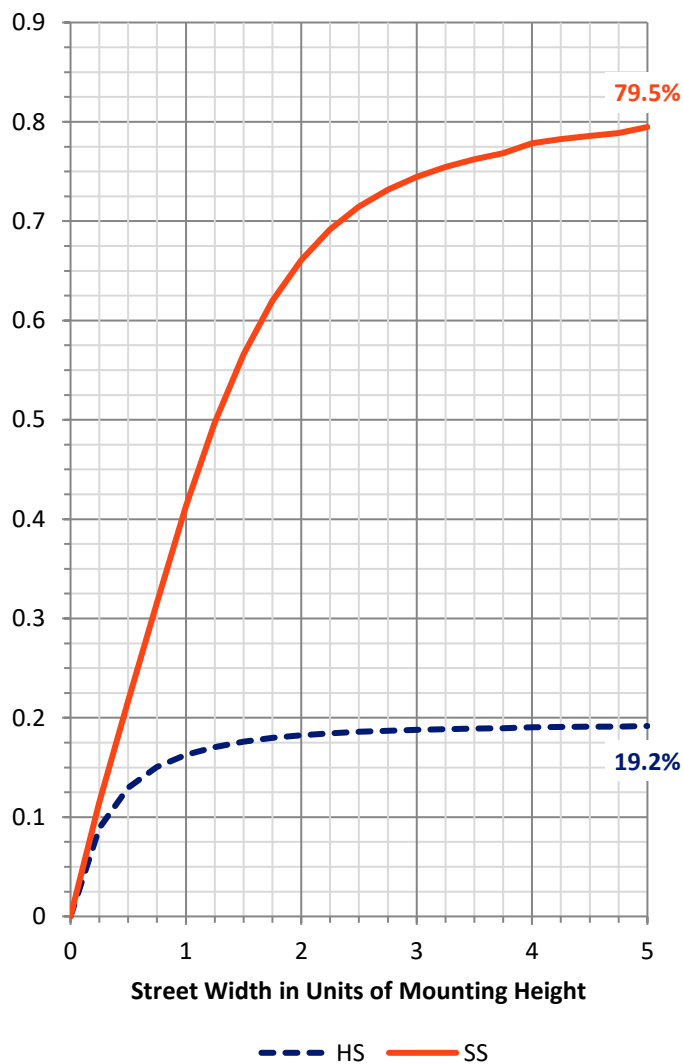
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2427.8	0.0	2427.8
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	10107.2	0.0	10107.2
	% Fixture	80.6	0.0	80.6
Total	Lumens	12535.0	0.0	12535.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.6	1.2
10°-20°	440.4	3.5
20°-30°	777.5	6.2
30°-40°	1211.0	9.7
40°-50°	1993.7	15.9
50°-60°	2845.6	22.7
60°-70°	3017.4	24.1
70°-80°	1666.6	13.3
80°-90°	431.2	3.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	12535.0	100.0
0°-180°	12535.0	100.0

Coefficient of Utilization



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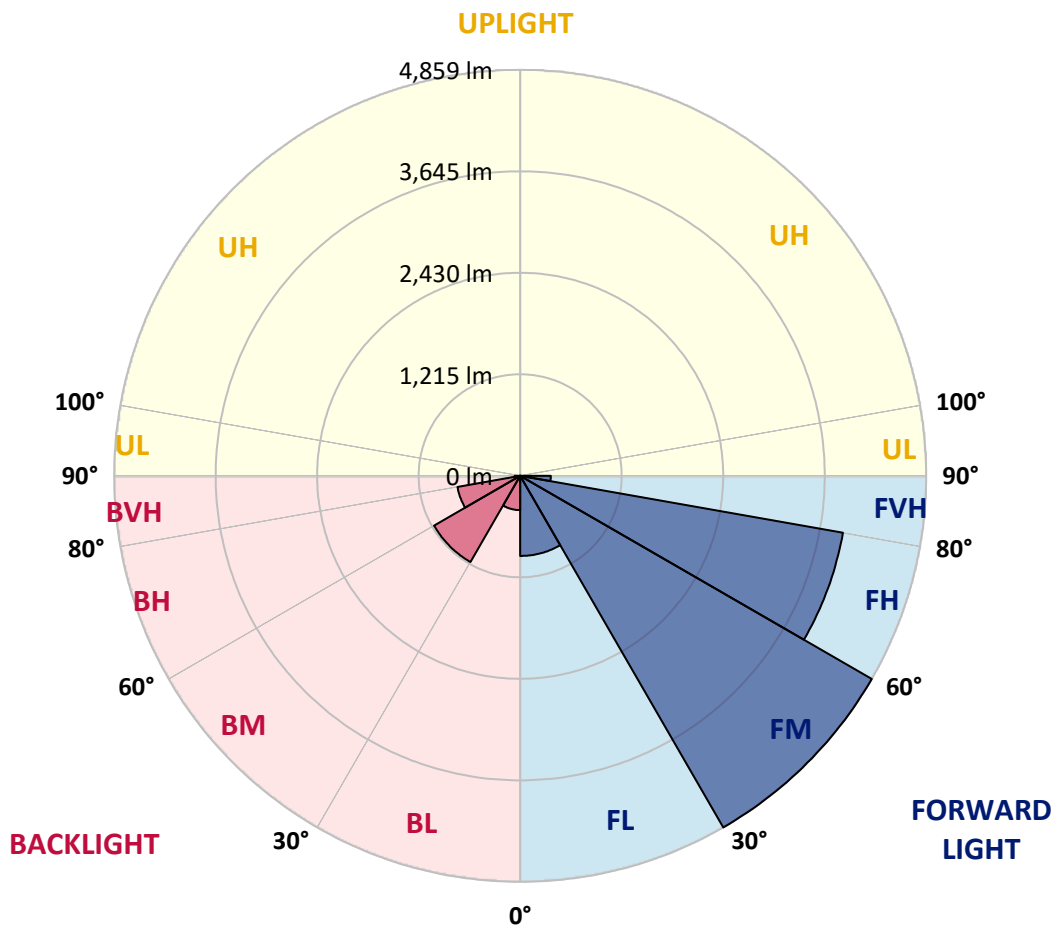
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	959.1	7.7			
FM (30°-60°)	4859.4	38.8			
FH (60°-80°)	3922.2	31.3			G2/5000
FVH (80°-90°)	366.5	2.9			G3/500
BL (0°-30°)	410.4	3.3	B1/500		
BM (30°-60°)	1190.9	9.5	B2/2500		
BH (60°-80°)	761.8	6.1	B2/1000		G2/1000
BVH (80°-90°)	64.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1
2.5°	1770.5	1781.5	1791.8	1771.1	1750.4	1729.2	1708.5	1677.4	1645.8	1614.8	1583.1
5°	2126.5	2086.3	2045.5	2029.1	2013.3	1996.9	1980.4	1965.2	1950.0	1934.2	1919.0
7.5°	2237.8	2180.6	2122.8	2098.5	2074.1	2049.2	2024.9	1970.1	1915.3	1860.0	1805.2
10°	2115.5	2055.9	1995.6	1971.9	1947.6	1923.9	1899.5	1832.6	1766.3	1699.3	1632.4
12.5°	2214.1	2153.2	2091.8	2016.3	1940.9	1864.8	1789.4	1752.3	1715.2	1677.4	1640.3
15°	2309.0	2226.8	2144.1	2068.7	1993.2	1917.2	1841.7	1767.5	1693.3	1619.0	1544.8
17.5°	2655.8	2518.9	2382.0	2245.7	2108.8	1972.5	1835.6	1749.8	1663.4	1577.7	1491.3
20°	3078.6	2888.2	2697.2	2490.3	2282.8	2076.0	1868.5	1760.2	1652.5	1544.2	1435.9
22.5°	3581.8	3341.5	3101.2	2840.1	2579.1	2317.5	2056.5	1899.5	1742.5	1585.0	1428.0
25°	3981.6	3750.4	3519.2	3188.2	2857.2	2526.2	2195.2	2016.9	1838.7	1659.8	1481.5
27.5°	4369.7	4001.6	3632.9	3253.9	2875.4	2496.4	2117.3	1952.4	1787.6	1622.7	1457.8
30°	4697.7	4405.6	4113.6	3618.9	3124.3	2629.0	2134.4	1931.8	1729.2	1526.5	1323.9
32.5°	5177.7	4761.0	4343.6	3827.6	3311.7	2795.7	2279.8	2020.6	1761.4	1502.2	1243.0
35°	5739.3	5306.1	4872.9	4234.7	3597.0	2958.8	2320.5	2046.1	1771.1	1496.7	1221.7
37.5°	6786.4	6022.8	5258.7	4562.0	3865.3	3168.1	2471.4	2152.6	1833.8	1514.4	1195.6
40°	7363.8	6658.0	5952.3	5084.0	4215.8	3347.0	2478.7	2152.6	1825.9	1499.8	1173.1
42.5°	8133.5	7240.9	6347.7	5408.9	4470.7	3531.9	2593.1	2231.7	1870.3	1508.3	1146.9
45°	8602.6	7607.8	6612.4	5609.1	4605.8	3602.5	2599.2	2232.3	1865.4	1498.6	1131.7
47.5°	8905.0	7949.7	6993.9	5913.9	4834.0	3753.4	2673.4	2284.0	1894.0	1504.6	1114.6
50°	9191.5	8245.4	7298.7	6177.4	5056.7	3935.3	2814.0	2388.7	1963.4	1537.5	1112.2
52.5°	9543.2	8671.9	7800.1	6597.2	5393.7	4190.9	2987.4	2524.4	2061.4	1598.3	1135.3
55°	10054.9	9196.4	8337.3	7046.2	5754.5	4463.4	3171.7	2657.6	2144.1	1630.0	1115.9
57.5°	10386.5	9515.8	8645.2	7328.5	6011.9	4694.6	3378.0	2808.5	2239.0	1668.9	1099.4
60°	10276.4	9378.3	8479.7	7224.5	5969.3	4714.1	3458.9	2843.8	2229.3	1614.2	999.0
62.5°	9789.6	8835.0	7880.4	6756.0	5632.2	4507.8	3383.5	2758.0	2133.2	1507.7	882.2
65°	9109.4	8122.5	7135.0	6120.8	5106.5	4092.3	3078.0	2510.4	1942.1	1374.4	806.2
67.5°	8274.6	7245.8	6216.3	5318.3	4420.2	3521.6	2623.5	2149.0	1675.0	1200.4	725.9
70°	7227.5	6216.3	5205.1	4428.1	3651.2	2874.2	2097.3	1740.1	1383.6	1026.4	669.3
72.5°	5809.3	4936.8	4064.3	3452.8	2841.4	2229.9	1618.4	1370.2	1122.6	874.3	626.1
75°	4131.8	3618.9	3106.0	2630.2	2154.4	1678.0	1202.3	1041.6	881.0	720.4	559.8
77.5°	2936.3	2633.9	2331.5	1958.5	1585.6	1212.6	839.6	745.3	651.6	557.3	463.0
80°	2170.9	1918.4	1665.9	1384.8	1103.7	822.6	541.5	495.3	449.6	403.4	357.1
82.5°	1429.2	1315.4	1201.0	978.4	755.7	533.0	310.3	293.3	276.2	259.2	242.2
85°	640.1	676.0	711.3	575.0	438.1	301.8	164.9	157.0	149.1	141.2	133.2
87.5°	61.5	90.7	119.9	102.8	85.2	68.1	50.5	49.9	49.9	49.3	48.7
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



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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°	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1
2.5°	1591.6	1600.2	1608.7	1617.2	1608.1	1599.0	1589.2	1580.1	1568.5	1557.0	1544.8
5°	1893.4	1867.3	1841.7	1815.6	1776.6	1737.7	1698.1	1659.2	1654.3	1648.8	1644.0
7.5°	1757.1	1709.7	1661.6	1613.6	1552.7	1492.5	1431.6	1370.8	1352.5	1334.3	1316.0
10°	1600.2	1567.3	1535.1	1502.2	1464.5	1426.8	1388.4	1350.7	1300.8	1250.3	1200.4
12.5°	1586.8	1533.2	1479.1	1425.5	1402.4	1379.3	1356.2	1333.1	1289.3	1245.5	1201.0
15°	1501.6	1457.8	1414.6	1370.8	1337.3	1303.9	1270.4	1236.9	1201.6	1165.7	1130.5
17.5°	1441.4	1391.5	1341.6	1291.7	1253.4	1215.0	1176.1	1137.8	1095.2	1052.0	1009.4
20°	1378.7	1322.1	1264.9	1207.7	1159.1	1111.0	1062.3	1013.6	966.8	920.6	873.7
22.5°	1353.1	1278.3	1203.5	1128.6	1077.5	1025.8	974.7	923.0	879.8	836.6	793.4
25°	1392.1	1303.3	1213.8	1124.4	1055.6	986.3	917.5	848.1	812.3	776.4	739.8
27.5°	1346.5	1234.5	1123.2	1011.2	937.6	863.4	789.7	715.5	710.0	704.6	698.5
30°	1206.5	1089.1	971.7	854.2	786.7	718.6	651.0	582.9	570.1	556.7	543.9
32.5°	1123.2	1003.3	883.4	763.6	703.3	642.5	582.3	521.4	506.8	492.2	477.6
35°	1091.5	961.3	831.1	700.9	649.2	597.5	545.8	494.0	483.7	474.0	463.6
37.5°	1066.0	937.0	807.4	677.8	627.9	578.0	527.5	477.6	469.7	461.8	453.9
40°	1041.6	910.8	779.4	648.0	603.6	559.8	515.3	470.9	466.1	461.2	455.7
42.5°	1019.7	892.6	764.8	637.6	598.1	559.1	519.6	480.1	475.2	470.3	465.4
45°	1007.6	883.4	759.3	635.2	606.6	578.0	548.8	520.2	508.6	497.1	484.9
47.5°	998.4	882.2	766.0	649.8	620.0	590.2	560.4	530.5	520.2	509.9	498.9
50°	1000.3	888.9	777.0	665.0	629.1	592.6	556.7	520.2	519.0	517.8	516.6
52.5°	1016.7	898.6	780.0	661.4	622.4	583.5	543.9	505.0	512.9	520.2	528.1
55°	993.0	870.1	746.5	623.6	586.5	550.0	512.9	475.8	486.1	495.9	506.2
57.5°	966.2	832.9	699.7	566.4	538.5	510.5	481.9	453.9	464.8	476.4	487.4
60°	877.4	755.7	634.0	512.3	493.4	474.6	455.7	436.9	441.7	446.6	451.5
62.5°	780.0	677.2	575.0	472.1	457.5	442.3	427.7	412.5	412.5	413.1	413.1
65°	717.9	629.7	541.5	453.3	436.9	420.4	403.4	387.0	384.5	382.1	379.7
67.5°	655.9	586.5	516.6	446.6	422.9	399.7	376.0	352.3	349.2	346.8	343.8
70°	607.2	545.2	483.1	421.0	394.3	368.1	341.3	314.6	312.1	310.3	307.9
72.5°	567.7	509.9	451.5	393.0	365.1	336.5	308.5	279.9	278.1	276.2	273.8
75°	508.0	456.9	405.2	353.5	326.1	299.3	272.0	244.6	242.2	240.3	237.9
77.5°	420.4	377.2	334.6	291.4	270.1	249.5	228.2	206.9	205.6	204.4	202.6
80°	323.7	290.2	256.1	222.7	208.7	194.1	180.1	165.5	164.9	164.3	163.1
82.5°	222.1	202.0	181.9	161.8	151.5	140.5	130.2	119.3	119.9	120.5	121.1
85°	126.6	119.3	112.6	105.3	96.7	88.8	80.3	71.8	73.6	75.4	76.7
87.5°	46.2	43.8	41.4	38.9	34.7	31.0	26.8	22.5	23.7	25.6	26.8
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: P596378
 CATALOG NUMBER: MSA-SA3D-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: P596378
 CATALOG NUMBER: MSA-SA3D-722-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1
2.5°	1533.2	1515.0	1496.7	1478.5	1460.2	1422.5	1385.4	1347.7	1309.9	1333.1	1356.8
5°	1638.5	1607.5	1575.8	1544.8	1513.2	1495.5	1477.9	1460.2	1442.6	1451.7	1461.4
7.5°	1297.8	1279.5	1260.7	1242.4	1223.6	1215.6	1208.3	1200.4	1192.5	1215.0	1237.5
10°	1149.9	1124.4	1098.8	1072.7	1047.1	1031.9	1016.7	1001.5	986.3	992.3	998.4
12.5°	1157.2	1119.5	1081.8	1044.1	1006.3	983.8	961.3	938.8	916.3	921.8	927.2
15°	1094.6	1055.6	1016.7	977.7	938.8	912.6	885.9	859.7	832.9	823.8	814.1
17.5°	966.2	923.6	881.0	838.4	795.8	778.2	760.5	742.9	725.2	715.5	705.8
20°	826.9	787.3	747.8	708.2	668.7	656.5	644.3	631.5	619.4	613.3	606.6
22.5°	750.2	725.9	700.9	676.6	651.6	637.6	624.2	610.3	596.3	589.6	582.3
25°	704.0	708.8	714.3	719.2	724.0	717.9	711.3	705.2	698.5	700.9	702.7
27.5°	693.0	703.3	714.3	724.6	735.0	740.5	745.9	751.4	756.9	758.7	760.5
30°	530.5	536.0	540.9	546.4	551.2	566.4	581.7	596.3	611.5	635.2	659.5
32.5°	463.0	461.2	459.4	456.9	455.1	458.8	462.4	465.4	469.1	477.6	486.7
35°	453.3	449.0	444.2	439.9	435.0	436.9	438.7	440.5	442.3	449.0	455.7
37.5°	446.0	444.2	442.9	441.1	439.3	443.5	447.2	451.5	455.1	460.6	466.1
40°	450.8	450.2	449.6	448.4	447.8	450.2	452.7	455.1	457.5	464.8	472.1
42.5°	460.6	460.6	460.0	460.0	459.4	461.8	463.6	466.1	467.9	472.1	476.4
45°	473.4	472.1	471.5	470.3	469.1	468.5	468.5	467.9	467.3	469.7	472.7
47.5°	488.6	484.3	479.4	475.2	470.3	469.1	467.3	466.1	464.2	465.4	466.7
50°	515.3	503.8	492.8	481.3	469.7	466.7	463.6	460.6	457.5	456.9	456.9
52.5°	535.4	518.4	501.3	484.3	467.3	461.8	456.3	450.8	445.4	444.2	443.5
55°	515.9	503.2	491.0	478.2	465.4	457.5	449.0	441.1	432.6	430.8	428.9
57.5°	498.3	490.4	482.5	474.6	466.7	458.8	450.2	442.3	433.8	429.6	425.3
60°	456.3	456.3	456.9	456.9	456.9	448.4	439.9	431.4	422.9	418.6	414.9
62.5°	413.1	419.8	425.9	432.6	438.7	427.1	414.9	403.4	391.2	388.2	385.7
65°	377.2	379.1	381.5	383.3	385.1	376.0	366.9	357.8	348.6	346.8	344.4
67.5°	340.7	340.1	339.5	338.3	337.7	332.2	326.1	320.6	314.6	312.1	309.7
70°	305.4	304.8	304.2	303.0	302.4	297.5	292.7	287.8	282.9	281.1	279.3
72.5°	272.0	271.4	270.1	269.5	268.3	264.1	260.4	256.1	251.9	249.5	247.0
75°	235.5	234.2	233.0	231.8	230.6	226.9	223.3	219.0	215.4	213.0	210.5
77.5°	201.4	199.6	197.7	195.3	193.5	190.4	186.8	183.7	180.1	177.1	174.6
80°	162.5	161.2	160.0	158.2	157.0	153.9	150.9	147.2	144.2	140.5	137.5
82.5°	121.7	121.1	119.9	119.3	118.0	115.0	112.0	108.9	105.9	102.2	98.6
85°	78.5	77.9	77.3	76.7	76.1	73.6	71.8	69.4	66.9	63.3	60.2
87.5°	28.0	26.8	26.2	24.9	23.7	23.1	21.9	21.3	20.1	18.3	16.4
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: P596378
 CATALOG NUMBER: MSA-SA3D-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: P596378

CATALOG NUMBER: MSA-SA3D-722-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1
2.5°	1379.9	1403.0	1403.6	1403.6	1414.6	1424.9	1403.6	1382.4	1360.4	1339.2	1317.9
5°	1470.6	1479.7	1477.3	1474.2	1460.8	1447.5	1433.5	1419.5	1405.5	1391.5	1392.1
7.5°	1260.1	1282.6	1300.8	1318.5	1301.4	1284.4	1275.3	1266.1	1257.0	1247.9	1246.7
10°	1003.9	1010.0	1017.3	1024.0	1013.6	1002.7	1020.9	1039.2	1056.8	1075.1	1055.0
12.5°	932.7	938.2	925.4	912.0	907.8	903.5	899.3	894.4	890.1	885.3	882.8
15°	805.0	795.2	785.5	775.1	772.7	769.7	766.6	763.0	759.9	756.3	745.3
17.5°	696.0	686.3	669.9	652.8	646.2	638.9	637.0	635.2	632.8	630.9	620.6
20°	600.5	593.8	589.6	584.7	578.0	571.3	564.6	557.9	550.6	543.9	534.2
22.5°	575.6	568.3	562.8	556.7	555.5	554.3	542.1	529.3	517.2	504.4	498.9
25°	705.2	707.0	673.5	639.5	636.4	633.4	611.5	589.0	567.1	544.5	525.7
27.5°	761.8	763.6	762.4	761.1	751.4	741.1	704.0	666.2	629.1	591.4	564.6
30°	683.3	707.0	716.1	725.2	718.6	711.3	672.3	634.0	595.0	556.1	538.5
32.5°	495.3	503.8	519.0	533.6	541.5	548.8	536.6	524.5	512.3	500.1	497.1
35°	461.8	468.5	471.5	474.6	469.7	464.8	455.7	446.6	436.9	427.7	425.9
37.5°	470.9	476.4	482.5	488.6	475.2	461.2	450.8	441.1	430.8	420.4	411.9
40°	479.4	486.7	490.4	494.0	480.7	467.3	454.5	442.3	429.6	416.8	408.3
42.5°	480.7	484.9	491.6	498.3	479.4	460.0	448.4	436.2	424.7	412.5	404.0
45°	475.2	477.6	483.7	489.8	467.9	445.4	435.0	424.1	413.7	402.8	395.5
47.5°	467.3	468.5	473.4	477.6	454.5	430.8	421.0	411.3	401.0	391.2	383.9
50°	456.3	455.7	459.4	462.4	438.7	414.9	405.2	396.1	386.4	376.6	370.5
52.5°	442.3	441.1	444.8	447.8	422.9	397.9	389.4	381.5	373.0	364.4	359.6
55°	426.5	424.7	427.7	430.8	406.4	381.5	374.2	366.3	359.0	351.1	346.8
57.5°	420.4	416.2	418.0	419.8	392.4	365.1	357.8	350.5	343.2	335.9	332.8
60°	410.7	406.4	408.3	409.5	380.3	350.5	343.8	336.5	329.8	322.5	319.4
62.5°	382.7	379.7	382.1	384.5	358.4	331.6	325.5	320.0	313.9	307.9	303.6
65°	342.5	340.1	345.0	349.8	327.3	304.8	301.2	297.5	293.3	289.6	285.4
67.5°	307.3	304.8	309.7	314.6	298.1	281.7	278.1	274.4	270.8	267.1	264.7
70°	277.4	275.6	279.9	284.1	270.1	256.1	252.5	249.5	245.8	242.2	240.3
72.5°	244.0	241.5	247.0	251.9	240.3	228.2	225.1	221.5	218.4	214.8	213.6
75°	208.1	205.6	210.5	214.8	206.9	198.3	195.3	192.3	189.2	186.2	185.6
77.5°	171.6	168.5	173.4	177.7	172.8	167.3	164.9	161.8	159.4	156.4	156.4
80°	133.9	130.2	133.9	136.9	135.1	133.2	131.4	129.0	127.2	124.7	125.3
82.5°	94.9	91.3	93.1	94.9	96.1	97.3	97.3	97.3	97.3	97.3	97.3
85°	56.6	52.9	53.5	54.2	56.0	57.8	58.4	59.0	59.6	60.2	60.8
87.5°	14.6	12.8	11.6	9.7	11.6	12.8	14.0	14.6	15.8	16.4	16.4
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: P596378
 CATALOG NUMBER: MSA-SA3D-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: P596378
 CATALOG NUMBER: MSA-SA3D-722-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1
2.5°	1296.6	1274.7	1253.4	1266.7	1279.5	1292.9	1305.7	1306.3	1306.3	1306.9	1306.9
5°	1393.3	1393.9	1394.5	1381.7	1369.6	1356.8	1344.0	1337.3	1330.6	1323.3	1316.6
7.5°	1244.8	1243.6	1241.8	1229.6	1217.5	1205.3	1193.1	1163.9	1134.1	1104.9	1075.1
10°	1034.3	1014.3	993.6	988.7	984.4	979.6	974.7	966.8	959.5	951.6	943.7
12.5°	880.4	878.0	875.5	862.8	850.0	836.6	823.8	823.8	823.8	823.8	823.8
15°	733.8	722.8	711.3	705.2	698.5	692.4	685.7	682.7	679.6	676.6	673.5
17.5°	609.6	599.3	588.4	587.1	585.9	584.7	583.5	580.4	577.4	574.4	571.3
20°	524.5	514.7	505.0	508.6	512.3	515.3	519.0	515.9	512.9	509.3	506.2
22.5°	492.8	487.4	481.3	478.2	475.2	471.5	468.5	468.5	469.1	469.1	469.1
25°	507.4	488.6	469.7	460.6	451.5	441.7	432.6	428.9	425.9	422.2	418.6
27.5°	537.9	510.5	483.7	467.9	452.1	436.2	420.4	413.7	406.4	399.7	392.4
30°	520.2	502.6	484.3	466.1	447.8	429.6	411.3	402.8	394.3	385.1	376.6
32.5°	494.0	490.4	487.4	470.3	453.3	435.6	418.6	414.9	411.9	408.3	404.6
35°	423.5	421.6	419.2	414.9	410.7	406.4	402.2	397.3	392.4	387.6	382.7
37.5°	404.0	395.5	387.0	385.1	383.3	381.5	379.7	377.8	376.0	373.6	371.7
40°	399.7	391.2	382.7	379.7	376.6	373.0	369.9	370.5	371.7	372.4	373.0
42.5°	394.9	386.4	377.2	374.8	372.4	369.9	367.5	368.1	369.3	369.9	370.5
45°	388.8	381.5	374.2	369.9	366.3	362.0	357.8	361.4	365.1	368.1	371.7
47.5°	376.6	368.7	361.4	359.0	356.5	353.5	351.1	354.7	358.4	361.4	365.1
50°	363.8	357.8	351.1	350.5	349.8	348.6	348.0	350.5	352.9	355.3	357.8
52.5°	354.1	349.2	343.8	343.8	343.2	343.2	342.5	345.0	347.4	349.2	351.7
55°	343.2	338.9	334.6	335.2	336.5	337.1	337.7	340.1	343.2	345.6	348.0
57.5°	329.2	326.1	322.5	324.9	326.7	329.2	331.0	332.8	335.2	337.1	338.9
60°	315.8	312.7	309.1	311.5	314.6	317.0	319.4	321.3	323.1	324.9	326.7
62.5°	299.3	294.5	290.2	293.9	296.9	300.6	303.6	304.8	306.6	307.9	309.1
65°	281.7	277.4	273.2	275.6	278.1	279.9	282.3	284.1	286.0	287.8	289.6
67.5°	261.6	259.2	256.1	258.0	259.8	261.6	263.4	264.1	264.1	264.7	264.7
70°	237.9	236.1	233.6	234.9	236.7	237.9	239.1	239.1	239.1	238.5	238.5
72.5°	213.0	211.7	210.5	211.1	212.3	213.0	213.6	213.0	212.3	211.7	211.1
75°	185.0	184.4	183.7	184.4	185.6	186.2	186.8	186.2	185.0	184.4	183.1
77.5°	157.0	157.0	157.0	157.0	157.6	157.6	157.6	156.4	155.1	153.9	152.7
80°	125.9	126.6	127.2	127.2	127.2	127.2	127.2	125.9	124.7	122.9	121.7
82.5°	97.3	97.3	97.3	97.3	98.0	98.0	98.0	94.9	92.5	89.4	86.4
85°	60.8	61.5	61.5	62.1	62.7	62.7	63.3	59.0	55.4	51.1	46.8
87.5°	16.4	16.4	16.4	16.4	16.4	15.8	15.8	12.2	7.9	4.3	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P596378

CATALOG NUMBER: MSA-SA3D-722-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1
2.5°	1310.6	1314.2	1317.2	1320.9	1321.5	1322.1	1322.1	1322.7	1309.9	1297.2	1283.8
5°	1325.8	1334.3	1343.4	1351.9	1350.1	1348.3	1346.5	1344.6	1341.0	1337.9	1334.3
7.5°	1068.4	1062.3	1055.6	1048.9	1054.4	1059.9	1065.4	1070.8	1073.3	1075.7	1077.5
10°	928.5	913.3	898.0	882.8	874.3	865.2	856.7	847.5	846.3	845.7	844.5
12.5°	808.0	791.6	775.7	759.3	754.5	749.0	744.1	738.6	743.5	748.4	752.6
15°	666.8	660.8	654.1	647.4	652.8	658.3	663.8	669.3	674.1	678.4	683.3
17.5°	568.3	565.8	562.8	559.8	564.6	570.1	575.0	579.8	590.8	601.7	612.7
20°	503.8	502.0	499.5	497.1	495.3	492.8	491.0	488.6	504.4	519.6	535.4
22.5°	465.4	461.8	458.1	454.5	455.1	455.7	455.7	456.3	469.1	482.5	495.3
25°	417.4	416.2	414.9	413.7	417.4	421.0	424.1	427.7	439.3	450.8	461.8
27.5°	393.0	393.7	394.3	394.9	399.7	405.2	410.1	414.9	422.9	430.8	438.7
30°	379.7	383.3	386.4	389.4	391.2	393.0	394.9	396.7	404.6	411.9	419.8
32.5°	399.7	394.9	389.4	384.5	387.0	390.0	392.4	394.9	402.2	409.5	416.8
35°	380.9	378.4	376.6	374.2	377.2	380.3	382.7	385.7	392.4	398.5	405.2
37.5°	371.1	370.5	369.9	369.3	371.1	373.0	374.2	376.0	382.1	388.2	393.7
40°	370.5	367.5	365.1	362.0	363.8	365.7	366.9	368.7	376.0	383.3	390.6
42.5°	366.9	363.2	359.0	355.3	357.1	359.6	361.4	363.2	371.1	378.4	386.4
45°	366.3	360.8	354.7	349.2	351.7	354.1	356.5	359.0	365.1	371.1	376.6
47.5°	359.6	354.1	348.6	343.2	344.4	345.6	346.2	347.4	352.9	357.8	363.2
50°	354.1	349.8	346.2	341.9	340.1	338.9	337.1	335.2	339.5	343.8	348.0
52.5°	347.4	343.2	338.3	334.0	331.6	329.2	326.7	324.3	327.9	331.0	334.6
55°	343.2	337.7	332.8	327.3	324.3	321.3	318.2	315.2	317.6	319.4	321.9
57.5°	334.0	329.2	323.7	318.8	315.2	311.5	307.3	303.6	304.8	306.0	307.3
60°	321.9	316.4	311.5	306.0	301.8	297.5	292.7	288.4	289.0	290.2	290.8
62.5°	304.2	299.3	293.9	289.0	284.1	279.9	275.0	270.1	271.4	272.0	273.2
65°	284.7	279.3	274.4	268.9	264.7	260.4	255.5	251.3	252.5	253.7	254.3
67.5°	261.0	256.8	253.1	248.8	245.2	240.9	237.3	233.0	233.6	234.2	234.9
70°	235.5	231.8	228.8	225.1	222.1	219.0	216.0	213.0	213.0	213.6	213.6
72.5°	208.1	205.0	202.0	199.0	195.9	193.5	190.4	187.4	188.6	189.8	190.4
75°	180.1	177.7	174.6	171.6	169.1	166.7	163.7	161.2	162.5	163.7	164.3
77.5°	150.9	149.1	146.6	144.8	142.4	139.9	136.9	134.5	135.7	136.9	137.5
80°	120.5	119.3	117.4	116.2	113.8	111.3	108.9	106.5	107.1	107.1	107.7
82.5°	87.0	87.6	87.6	88.2	86.4	84.0	82.1	79.7	79.7	79.7	79.1
85°	48.7	51.1	52.9	54.8	52.9	51.1	49.3	47.5	46.8	46.8	46.2
87.5°	1.8	3.0	4.9	6.1	5.5	4.9	3.7	3.0	3.7	4.3	4.3
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: P596378
 CATALOG NUMBER: MSA-SA3D-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: P596378

CATALOG NUMBER: MSA-SA3D-722-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1
2.5°	1271.0	1281.4	1291.7	1302.0	1312.4	1328.2	1344.0	1360.4	1376.9	1367.7	1358.0
5°	1330.6	1336.7	1343.4	1349.5	1355.6	1373.2	1390.3	1411.6	1432.2	1429.8	1426.8
7.5°	1080.0	1088.5	1097.0	1104.9	1113.4	1140.2	1167.0	1189.5	1212.0	1208.9	1205.3
10°	843.3	860.9	879.2	896.8	914.5	936.4	957.7	976.5	995.4	1027.0	1058.1
12.5°	757.5	784.9	812.3	839.6	867.0	882.8	898.0	922.4	946.7	963.8	981.4
15°	687.5	713.1	738.6	764.2	789.7	791.0	792.2	817.7	843.3	857.9	871.9
17.5°	623.6	637.6	651.6	665.0	679.0	674.1	669.3	681.4	693.0	699.1	705.8
20°	550.6	560.4	570.1	579.8	589.6	596.3	602.3	609.6	616.3	610.3	603.6
22.5°	508.0	522.6	537.9	552.5	567.1	571.3	575.0	570.7	566.4	564.6	562.8
25°	473.4	491.0	509.3	526.9	544.5	553.1	561.6	565.2	568.3	561.6	554.9
27.5°	446.6	467.9	488.6	509.9	530.5	545.8	561.0	565.2	568.9	564.0	558.5
30°	427.1	450.2	473.4	496.5	519.6	542.7	565.2	585.3	604.8	603.0	601.1
32.5°	424.1	439.9	455.7	471.5	487.4	502.0	515.9	517.2	517.8	512.9	507.4
35°	411.3	421.6	432.0	442.3	452.7	461.8	470.3	469.1	467.9	463.0	458.1
37.5°	399.7	410.1	421.0	431.4	441.7	457.5	472.7	469.7	466.1	461.2	456.3
40°	397.9	409.5	421.0	432.0	443.5	458.1	472.7	469.7	466.7	460.6	454.5
42.5°	393.7	405.2	416.2	427.7	438.7	456.3	473.4	467.9	461.8	456.9	452.1
45°	382.7	393.0	403.4	413.7	424.1	442.9	461.8	455.1	448.4	446.6	444.2
47.5°	368.1	378.4	388.8	399.1	409.5	428.3	446.6	441.1	435.0	434.4	433.2
50°	352.3	362.0	372.4	382.1	391.8	410.7	428.9	424.1	419.2	419.8	419.8
52.5°	337.7	346.8	355.3	364.4	373.0	391.8	410.1	406.4	402.2	403.4	404.0
55°	323.7	331.0	338.3	345.6	352.9	371.1	389.4	383.9	378.4	380.3	382.1
57.5°	308.5	314.6	320.6	326.1	332.2	350.5	368.1	362.0	355.3	358.4	360.8
60°	291.4	296.9	302.4	307.3	312.7	329.2	345.0	339.5	333.4	337.7	341.3
62.5°	273.8	278.1	282.3	286.6	290.8	306.0	321.3	317.0	312.7	317.6	321.9
65°	255.5	258.6	262.2	265.3	268.3	282.9	296.9	293.9	290.8	295.1	299.3
67.5°	235.5	237.9	240.9	243.4	245.8	259.2	272.6	269.5	265.9	269.5	272.6
70°	213.6	216.0	217.8	220.3	222.1	234.2	246.4	242.2	237.3	240.9	244.0
72.5°	191.7	192.9	194.7	195.9	197.1	206.3	215.4	211.7	208.1	211.7	214.8
75°	165.5	166.7	167.9	169.1	170.4	178.3	185.6	181.3	176.4	180.1	183.7
77.5°	138.7	139.3	140.5	141.2	141.8	147.2	152.1	147.8	143.0	147.2	151.5
80°	107.7	108.3	108.9	108.9	109.5	111.3	113.2	110.1	106.5	112.0	117.4
82.5°	79.1	78.5	78.5	77.9	77.3	77.3	76.7	74.8	72.4	77.3	82.1
85°	45.6	45.0	43.8	43.2	42.0	40.2	38.3	37.7	37.1	41.4	45.6
87.5°	4.9	4.3	3.0	2.4	1.2	0.6	0.0	0.0	0.0	2.4	5.5
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: P596378
 CATALOG NUMBER: MSA-SA3D-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: P596378

CATALOG NUMBER: MSA-SA3D-722-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1
2.5°	1348.9	1339.2	1330.0	1320.9	1311.8	1302.6	1319.7	1336.7	1353.8	1370.8	1386.0
5°	1424.3	1421.3	1413.4	1406.1	1398.2	1390.3	1394.5	1399.4	1403.6	1407.9	1417.0
7.5°	1202.3	1198.6	1215.6	1232.1	1249.1	1265.5	1269.8	1273.4	1277.7	1281.4	1278.9
10°	1089.7	1120.7	1128.6	1135.9	1143.8	1151.1	1163.3	1175.5	1187.0	1199.2	1205.9
12.5°	998.4	1015.5	1043.5	1072.1	1100.0	1128.0	1146.3	1164.5	1182.8	1201.0	1238.8
15°	886.5	900.5	921.8	943.1	964.4	985.7	1011.8	1038.6	1064.8	1090.9	1132.3
17.5°	711.9	717.9	733.8	749.6	764.8	780.6	815.9	850.6	885.9	920.6	968.0
20°	597.5	590.8	590.8	591.4	591.4	591.4	626.7	661.4	696.7	731.3	794.0
22.5°	560.4	558.5	551.8	544.5	537.9	530.5	548.8	567.7	585.9	604.2	655.3
25°	547.6	540.9	532.4	523.9	515.3	506.8	518.4	529.9	541.5	553.1	593.2
27.5°	553.7	548.2	552.5	556.1	560.4	564.0	567.7	571.3	575.0	578.6	592.6
30°	599.3	597.5	604.2	610.3	616.9	623.0	614.5	606.6	598.1	589.6	594.4
32.5°	502.6	497.1	494.7	492.2	489.8	487.4	486.7	486.1	484.9	484.3	495.3
35°	453.3	448.4	444.8	441.1	436.9	433.2	435.0	436.2	438.1	439.3	451.5
37.5°	451.5	446.6	442.3	438.1	433.2	428.9	430.8	433.2	435.0	436.9	446.0
40°	448.4	442.3	439.9	437.5	435.0	432.6	433.8	435.0	435.6	436.9	443.5
42.5°	446.6	441.7	440.5	439.3	438.1	436.9	438.1	439.3	439.9	441.1	449.0
45°	442.3	439.9	441.1	442.3	443.5	444.8	444.8	444.8	444.8	444.8	453.3
47.5°	432.6	431.4	435.0	438.7	442.3	446.0	452.1	458.1	463.6	469.7	471.5
50°	420.4	420.4	426.5	432.6	438.1	444.2	458.8	472.7	487.4	501.3	492.2
52.5°	405.2	405.8	414.9	423.5	432.6	441.1	454.5	467.9	480.7	494.0	480.7
55°	383.3	385.1	396.7	407.6	419.2	430.2	440.5	450.8	461.2	471.5	457.5
57.5°	363.8	366.3	378.4	390.0	402.2	413.7	419.8	426.5	432.6	438.7	429.6
60°	345.6	349.2	365.1	380.9	396.1	411.9	407.0	402.2	396.7	391.8	391.2
62.5°	326.7	331.0	345.6	360.2	374.2	388.8	381.5	374.2	366.3	359.0	362.0
65°	303.0	307.3	313.9	320.6	326.7	333.4	332.8	332.8	332.2	331.6	337.7
67.5°	276.2	279.3	283.5	287.2	291.4	295.1	297.5	300.6	303.0	305.4	312.7
70°	247.6	250.7	254.9	258.6	262.8	266.5	269.5	272.6	275.0	278.1	285.4
72.5°	218.4	221.5	225.7	230.0	233.6	237.9	240.3	242.8	244.6	247.0	253.1
75°	187.4	191.0	195.3	199.0	203.2	206.9	208.7	210.5	212.3	214.2	219.6
77.5°	155.8	160.0	164.3	168.5	172.8	177.1	177.7	178.3	178.9	179.5	184.4
80°	122.3	127.8	132.0	136.3	140.5	144.8	144.8	144.8	144.8	144.8	147.2
82.5°	87.0	91.9	96.7	101.0	105.9	110.1	110.1	109.5	109.5	108.9	108.9
85°	49.9	54.2	57.2	60.8	63.9	66.9	66.9	66.9	66.3	66.3	65.1
87.5°	7.9	10.3	11.6	13.4	14.6	15.8	15.2	15.2	14.6	14.0	12.2
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: P596378
 CATALOG NUMBER: MSA-SA3D-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: P596378

CATALOG NUMBER: MSA-SA3D-722-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1
2.5°	1401.2	1416.4	1431.6	1429.2	1426.8	1424.3	1421.9	1431.0	1439.5	1448.7	1457.2
5°	1425.5	1434.7	1443.2	1449.9	1456.6	1463.3	1470.0	1501.0	1531.4	1562.4	1592.9
7.5°	1276.5	1273.4	1271.0	1299.6	1328.8	1357.4	1386.0	1425.5	1465.1	1504.6	1544.2
10°	1212.6	1219.3	1226.0	1237.5	1249.7	1261.3	1272.8	1311.8	1350.7	1389.7	1428.6
12.5°	1275.9	1313.6	1350.7	1359.8	1369.6	1378.7	1387.8	1395.7	1403.6	1410.9	1418.9
15°	1173.7	1215.0	1256.4	1280.1	1303.9	1327.0	1350.7	1410.3	1469.4	1529.0	1588.0
17.5°	1014.9	1062.3	1109.2	1167.6	1226.0	1284.4	1342.8	1397.6	1452.3	1506.5	1561.2
20°	856.7	918.7	981.4	1045.3	1108.6	1172.4	1235.7	1289.3	1342.8	1395.7	1449.3
22.5°	705.8	756.9	807.4	885.3	962.5	1040.4	1117.7	1217.5	1316.6	1416.4	1515.6
25°	632.8	672.9	712.5	792.8	873.1	952.8	1033.1	1162.7	1291.7	1421.3	1550.3
27.5°	607.2	621.2	635.2	708.2	780.6	853.6	926.0	1066.0	1205.9	1345.2	1485.2
30°	599.3	604.2	609.0	666.2	723.4	780.6	837.8	975.9	1114.6	1252.8	1390.9
32.5°	505.6	516.6	526.9	582.9	638.2	694.2	749.6	888.9	1027.6	1167.0	1305.7
35°	463.6	475.8	488.0	542.7	597.5	651.6	706.4	853.0	1000.3	1146.9	1293.5
37.5°	455.1	464.2	473.4	535.4	597.5	659.5	721.6	870.1	1018.5	1167.0	1315.4
40°	450.8	457.5	464.2	524.5	585.3	645.5	705.8	861.5	1016.7	1172.4	1327.6
42.5°	456.3	464.2	471.5	526.3	580.4	635.2	689.3	850.6	1011.2	1172.4	1333.1
45°	461.2	469.7	477.6	528.7	579.8	630.9	682.0	854.2	1025.8	1198.0	1369.6
47.5°	472.7	474.6	475.8	520.2	564.0	608.4	652.2	827.5	1002.7	1177.3	1352.5
50°	482.5	473.4	463.6	509.9	555.5	601.7	647.4	813.5	979.6	1145.1	1311.2
52.5°	467.3	453.3	439.9	489.8	539.7	589.0	638.9	805.0	971.7	1137.8	1303.9
55°	444.2	430.2	416.2	466.7	517.2	567.7	618.2	783.7	949.8	1115.2	1280.7
57.5°	421.0	411.9	402.8	444.2	486.1	527.5	568.9	748.4	927.2	1106.7	1285.6
60°	390.6	389.4	388.8	421.0	453.9	486.1	518.4	694.2	869.4	1045.3	1220.5
62.5°	364.4	367.5	369.9	396.1	422.2	447.8	474.0	643.7	814.1	983.8	1153.6
65°	344.4	350.5	356.5	386.4	416.2	445.4	475.2	617.6	759.9	902.3	1044.7
67.5°	320.0	327.3	334.6	373.6	412.5	451.5	490.4	607.8	725.2	842.7	960.1
70°	292.0	299.3	306.0	355.9	405.2	455.1	504.4	608.4	713.1	817.1	921.2
72.5°	259.2	265.3	271.4	324.9	378.4	432.0	485.5	573.7	662.0	749.6	837.8
75°	225.7	231.2	236.7	282.9	329.2	375.4	421.6	489.8	557.3	625.5	693.0
77.5°	188.6	193.5	197.7	228.8	259.8	290.8	321.9	374.2	425.9	478.2	529.9
80°	149.7	152.1	154.5	172.8	190.4	208.7	226.3	261.0	295.7	329.8	364.4
82.5°	109.5	109.5	109.5	121.1	133.2	144.8	156.4	174.0	191.0	208.7	225.7
85°	63.9	62.1	60.8	68.8	76.7	84.6	92.5	99.8	107.1	114.4	121.7
87.5°	10.3	7.9	6.1	11.0	15.8	20.7	25.6	28.0	31.0	33.5	35.9
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: P596378
 CATALOG NUMBER: MSA-SA3D-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: P596378

CATALOG NUMBER: MSA-SA3D-722-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1
2.5°	1436.5	1416.4	1395.7	1375.0	1405.5	1435.9	1466.3	1496.7	1577.7	1625.7	1628.8
5°	1618.4	1644.0	1669.5	1695.1	1720.6	1746.2	1771.1	1796.7	1928.1	2009.0	2024.2
7.5°	1586.2	1628.8	1670.7	1712.7	1785.1	1857.5	1929.9	2002.3	2113.7	2194.0	2246.9
10°	1480.9	1533.2	1585.6	1637.9	1723.7	1810.1	1895.9	1981.7	2099.7	2205.6	2256.1
12.5°	1502.2	1585.6	1668.3	1751.7	1825.9	1900.7	1975.0	2049.2	2130.7	2170.9	2262.7
15°	1645.8	1703.6	1761.4	1819.2	1931.2	2042.5	2154.4	2265.8	2312.0	2403.9	2486.6
17.5°	1667.7	1773.6	1880.0	1985.9	2122.8	2259.7	2396.6	2533.5	2619.3	2737.9	2837.7
20°	1599.6	1749.2	1899.5	2049.2	2225.6	2402.7	2579.1	2755.6	2864.5	2964.3	3118.8
22.5°	1681.1	1846.6	2011.5	2177.0	2411.2	2644.8	2879.1	3112.7	3340.3	3563.0	3667.6
25°	1771.1	1992.6	2213.5	2434.3	2727.0	3019.0	3311.7	3603.7	3896.4	4105.1	4225.5
27.5°	1707.9	1929.9	2152.6	2374.7	2736.7	3099.3	3461.4	3823.4	4136.7	4388.0	4491.4
30°	1663.4	1936.0	2208.6	2481.2	2905.9	3330.5	3755.2	4179.9	4469.5	4750.0	4902.1
32.5°	1655.5	2005.4	2354.6	2704.5	3199.1	3693.2	4187.8	4681.9	4874.1	5123.0	5328.0
35°	1677.4	2062.0	2445.9	2829.8	3396.9	3963.9	4530.4	5097.4	5370.6	5617.0	5796.5
37.5°	1744.4	2173.3	2601.6	3030.6	3713.8	4397.7	5081.0	5764.3	6222.4	6673.2	6753.6
40°	1782.1	2237.2	2691.7	3146.2	3940.8	4735.4	5530.0	6324.6	6851.5	7346.2	7379.6
42.5°	1826.5	2319.9	2812.8	3306.2	4187.2	5068.8	5949.8	6830.8	7483.1	8014.8	8030.7
45°	1877.6	2385.0	2893.1	3400.5	4320.5	5239.8	6159.7	7079.1	7867.6	8513.7	8356.2
47.5°	1897.7	2443.5	2988.6	3533.8	4514.5	5494.7	6475.5	7455.7	8163.3	8751.0	8600.1
50°	1905.6	2500.6	3095.1	3689.5	4705.6	5722.3	6738.3	7754.4	8474.2	9047.3	8816.1
52.5°	1954.9	2605.9	3256.9	3907.9	4966.6	6025.3	7083.9	8142.6	8850.8	9401.4	9114.3
55°	2021.2	2761.7	3501.5	4242.0	5337.7	6432.9	7528.7	8623.9	9334.5	9846.8	9490.9
57.5°	2082.7	2880.3	3677.3	4474.4	5609.7	6745.6	7881.0	9016.3	9736.1	10242.9	9897.9
60°	2052.8	2885.2	3717.5	4549.8	5665.7	6780.9	7896.8	9012.0	9829.2	10437.0	10260.5
62.5°	1962.8	2772.0	3580.6	4389.8	5449.1	6507.8	7567.0	8625.7	9582.1	10361.5	10353.6
65°	1789.4	2534.1	3278.2	4022.9	5003.1	5983.9	6964.1	7944.3	9071.7	10018.4	10079.8
67.5°	1578.3	2196.4	2814.6	3432.8	4355.7	5278.7	6201.7	7124.7	8330.0	9374.7	9427.6
70°	1373.8	1827.1	2279.8	2732.5	3542.9	4353.3	5163.1	5973.6	7191.0	8247.9	8296.5
72.5°	1134.1	1430.4	1726.1	2022.4	2678.9	3335.4	3991.3	4647.8	5716.8	6529.7	6804.1
75°	868.8	1044.7	1220.5	1396.3	1927.5	2458.7	2989.2	3520.4	4231.0	4830.9	5140.0
77.5°	621.2	712.5	803.7	895.0	1346.5	1797.9	2248.8	2700.2	3073.8	3413.9	3622.6
80°	407.6	450.2	493.4	536.0	911.4	1286.8	1661.6	2037.0	2264.6	2447.1	2552.4
82.5°	247.0	268.3	289.0	310.3	614.5	918.7	1222.3	1526.5	1656.8	1743.8	1837.5
85°	133.2	144.8	156.4	167.9	363.2	557.9	753.2	947.9	960.7	971.1	1110.4
87.5°	38.9	42.6	45.6	48.7	80.3	112.6	144.2	175.8	109.5	68.1	139.9
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: P596378
 CATALOG NUMBER: MSA-SA3D-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: P596378

CATALOG NUMBER: MSA-SA3D-722-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1
2.5°	1611.1	1603.2	1595.3	1586.8	1578.9	1545.4	1512.6	1479.1	1445.6	1477.9	1509.5
5°	2006.6	2030.9	2054.7	2079.0	2103.3	2105.2	2106.4	2108.2	2109.4	2115.5	2121.6
7.5°	2291.3	2334.5	2377.1	2420.3	2463.5	2497.0	2530.5	2564.5	2598.0	2567.6	2537.1
10°	2315.7	2406.9	2498.2	2589.5	2680.7	2697.2	2713.0	2729.4	2745.8	2767.7	2789.0
12.5°	2340.0	2451.4	2562.1	2673.4	2784.8	2833.5	2881.5	2930.2	2978.3	3002.0	3025.1
15°	2597.4	2663.1	2728.2	2793.9	2859.0	2892.5	2925.3	2958.8	2992.3	3012.3	3031.8
17.5°	2928.4	2952.7	2976.4	3000.8	3025.1	3047.6	3070.1	3092.6	3115.2	3118.8	3122.5
20°	3230.1	3235.0	3239.3	3244.1	3248.4	3200.9	3154.1	3106.6	3059.2	3067.7	3075.6
22.5°	3682.8	3656.0	3629.9	3603.1	3577.0	3487.5	3398.7	3309.2	3220.4	3182.1	3144.4
25°	4364.3	4296.1	4228.0	4159.8	4091.7	3949.3	3807.5	3665.2	3523.4	3440.1	3357.3
27.5°	4583.9	4435.4	4287.6	4139.1	3990.7	3883.0	3775.9	3668.2	3561.1	3429.1	3297.1
30°	5028.1	4793.8	4560.2	4325.9	4091.7	3987.6	3883.6	3779.0	3674.9	3539.8	3405.4
32.5°	5421.7	5178.3	4935.0	4691.0	4447.6	4250.5	4053.4	3856.2	3659.1	3567.8	3476.6
35°	5877.4	5571.4	5265.3	4959.3	4653.3	4484.1	4315.6	4146.4	3977.9	3839.8	3702.3
37.5°	6541.2	6215.7	5890.2	5564.1	5238.6	5009.8	4781.6	4552.9	4324.7	4248.7	4173.2
40°	7174.0	6789.5	6405.5	6021.0	5637.1	5461.9	5286.6	5110.8	4935.6	4807.2	4678.8
42.5°	7703.9	7323.7	6944.0	6563.7	6184.1	6056.3	5929.1	5801.4	5674.2	5568.3	5462.5
45°	7885.8	7575.5	7265.9	6955.6	6645.3	6600.2	6555.8	6510.8	6466.4	6387.9	6309.4
47.5°	8178.5	7862.1	7546.3	7230.0	6913.6	6930.0	6946.4	6963.5	6979.9	6984.2	6987.8
50°	8350.7	8050.1	7750.2	7449.6	7149.6	7229.4	7308.4	7388.2	7467.9	7648.6	7828.7
52.5°	8602.0	8306.9	8012.4	7717.3	7422.2	7557.3	7691.8	7826.8	7961.3	8214.4	8467.5
55°	8917.1	8634.8	8353.1	8070.8	7789.1	7920.5	8051.3	8182.8	8313.6	8595.3	8877.0
57.5°	9335.1	9032.7	8731.0	8428.6	8126.8	8247.9	8368.3	8489.4	8609.9	8877.6	9145.3
60°	9810.9	9482.4	9153.8	8824.7	8496.1	8529.6	8562.4	8595.9	8628.7	8919.0	9208.6
62.5°	10044.6	9740.3	9436.7	9132.5	8828.3	8735.2	8642.1	8548.4	8455.3	8715.1	8974.3
65°	9841.9	9632.6	9424.0	9214.7	9005.4	8841.1	8677.4	8513.1	8348.9	8511.3	8673.2
67.5°	9197.0	9078.4	8960.3	8841.7	8723.0	8447.4	8171.8	7895.6	7620.0	7630.9	7641.3
70°	8151.7	8120.1	8089.1	8057.4	8025.8	7611.4	7197.7	6783.4	6369.0	6305.8	6242.5
72.5°	6827.2	6847.9	6867.9	6888.6	6909.3	6463.9	6018.6	5573.2	5127.8	5022.6	4917.3
75°	5287.9	5402.2	5516.6	5631.6	5746.0	5320.1	4894.2	4467.7	4041.8	3912.2	3782.6
77.5°	3736.4	3949.9	4162.9	4376.4	4590.0	4204.9	3820.3	3435.2	3050.1	2966.1	2882.1
80°	2605.3	2709.9	2814.6	2919.2	3023.9	2830.4	2636.9	2443.5	2250.0	2273.1	2295.6
82.5°	1897.7	1922.0	1945.8	1970.1	1994.4	1915.3	1836.2	1756.5	1677.4	1737.7	1797.9
85°	1215.6	1302.6	1389.0	1476.0	1562.4	1474.8	1387.2	1299.0	1211.4	1251.5	1291.7
87.5°	272.0	430.2	588.4	747.2	905.3	820.2	735.6	650.4	565.2	526.9	489.2
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: P596378
 CATALOG NUMBER: MSA-SA3D-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: P596378

CATALOG NUMBER: MSA-SA3D-722-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1
2.5°	1541.8	1574.0	1564.3	1555.1	1545.4	1535.7	1553.3	1571.0	1589.2	1606.9	1600.8
5°	2128.3	2134.4	2076.6	2019.4	1961.6	1903.8	1939.7	1975.6	2011.5	2047.4	2034.6
7.5°	2506.7	2476.3	2442.8	2409.4	2375.3	2341.8	2334.5	2327.2	2319.3	2312.0	2302.3
10°	2810.9	2832.2	2810.3	2789.0	2767.1	2745.2	2694.1	2643.0	2591.3	2540.2	2518.9
12.5°	3048.8	3072.6	3078.0	3082.9	3088.4	3093.9	3036.7	2980.1	2922.9	2865.7	2814.0
15°	3051.9	3072.0	3089.6	3106.6	3124.3	3141.3	3106.0	3071.3	3036.1	3000.8	2984.3
17.5°	3126.7	3130.4	3115.8	3101.8	3087.2	3073.2	3059.2	3045.8	3031.8	3018.4	2992.3
20°	3084.1	3092.6	3090.8	3089.0	3086.6	3084.7	3086.0	3086.6	3087.8	3088.4	3073.8
22.5°	3106.0	3067.7	3075.6	3082.9	3090.8	3098.1	3120.0	3141.9	3164.4	3186.3	3244.8
25°	3274.0	3190.6	3177.8	3165.7	3152.9	3140.7	3197.9	3254.5	3311.7	3368.9	3463.8
27.5°	3164.4	3032.4	3003.2	2974.0	2944.8	2915.6	3002.6	3089.0	3176.0	3263.0	3359.7
30°	3270.3	3135.8	3071.3	3006.9	2941.8	2877.3	2960.6	3043.4	3126.7	3209.5	3316.5
32.5°	3385.3	3294.0	3250.8	3208.2	3165.0	3122.5	3129.1	3135.8	3142.5	3149.2	3300.1
35°	3564.2	3426.1	3383.5	3340.9	3298.3	3255.7	3326.9	3397.5	3468.7	3539.2	3667.0
37.5°	4097.2	4021.1	3944.4	3867.8	3790.5	3713.8	3755.8	3797.8	3839.8	3881.8	4002.2
40°	4550.4	4422.1	4409.3	4397.1	4384.3	4371.6	4375.2	4378.3	4381.9	4385.6	4488.4
42.5°	5356.0	5250.1	5185.0	5119.9	5054.8	4989.7	4985.5	4981.2	4976.3	4972.1	5049.4
45°	6230.3	6151.8	6103.1	6054.5	6005.2	5956.5	5879.2	5802.0	5724.1	5646.8	5714.4
47.5°	6992.1	6996.3	7084.5	7172.2	7260.4	7348.6	7216.6	7084.5	6952.5	6820.5	6733.5
50°	8009.4	8189.5	8210.7	8231.4	8252.7	8274.0	8050.1	7826.8	7602.9	7379.0	7287.8
52.5°	8721.2	8974.3	8941.5	8909.2	8876.4	8843.5	8713.9	8584.9	8455.3	8325.7	8126.8
55°	9159.3	9441.0	9416.0	9391.7	9366.8	9341.8	9247.5	9153.2	9058.9	8964.6	8746.2
57.5°	9413.0	9680.7	9688.0	9695.3	9702.6	9709.9	9685.0	9660.0	9635.1	9610.1	9326.0
60°	9498.8	9789.0	9792.1	9794.5	9797.5	9800.0	9760.4	9720.9	9680.7	9641.2	9455.6
62.5°	9234.1	9493.3	9504.9	9515.8	9527.4	9538.9	9511.6	9484.2	9456.8	9429.4	9291.9
65°	8835.6	8998.1	9001.1	9003.5	9006.6	9009.6	8940.3	8871.5	8802.1	8732.8	8699.9
67.5°	7652.2	7663.2	7727.7	7792.1	7856.6	7921.1	7926.6	7932.1	7938.2	7943.6	7896.2
70°	6179.2	6115.9	6185.9	6255.9	6325.8	6395.8	6425.6	6455.4	6485.9	6515.7	6537.6
72.5°	4811.5	4706.2	4757.9	4809.6	4862.0	4913.7	4869.3	4824.8	4780.4	4736.0	4876.6
75°	3653.0	3523.4	3516.7	3510.6	3503.9	3497.9	3475.3	3452.8	3429.7	3407.2	3538.6
77.5°	2797.6	2713.6	2717.9	2721.5	2725.8	2729.4	2706.3	2683.8	2660.7	2637.5	2688.0
80°	2318.7	2341.2	2341.8	2342.5	2343.1	2343.7	2321.8	2300.5	2278.6	2256.7	2220.2
82.5°	1858.7	1919.0	1918.4	1918.4	1917.8	1917.2	1915.9	1914.7	1912.9	1911.7	1852.1
85°	1331.9	1372.0	1330.6	1289.3	1247.9	1206.5	1236.9	1267.4	1298.4	1328.8	1303.9
87.5°	450.8	413.1	363.8	315.2	265.9	216.6	269.5	322.5	376.0	428.9	459.4
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: P596378
 CATALOG NUMBER: MSA-SA3D-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



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CATALOG NUMBER: MSA-SA3D-722-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1	1322.1
2.5°	1595.3	1589.2	1583.7	1545.4	1506.5	1468.1	1429.2	1499.8	1571.0	1641.5	1712.1
5°	2022.4	2009.6	1997.5	1994.4	1991.4	1987.7	1984.7	2020.6	2056.5	2091.8	2127.7
7.5°	2292.6	2282.8	2273.1	2247.5	2222.6	2197.0	2171.5	2193.4	2214.7	2236.6	2257.9
10°	2498.2	2476.9	2455.6	2400.3	2345.5	2290.1	2234.8	2218.3	2201.9	2185.5	2169.0
12.5°	2762.3	2709.9	2658.2	2595.6	2532.3	2469.6	2406.3	2397.8	2389.3	2381.4	2372.9
15°	2968.5	2952.1	2935.7	2885.8	2835.9	2786.0	2736.1	2669.2	2601.6	2534.7	2467.8
17.5°	2966.7	2940.5	2915.0	2981.9	3048.2	3115.2	3181.5	3110.3	3038.5	2967.3	2896.1
20°	3059.2	3044.0	3029.4	3152.9	3275.8	3399.3	3522.2	3483.3	3443.7	3404.8	3365.2
22.5°	3302.6	3361.0	3418.8	3524.6	3629.9	3735.8	3841.0	3885.4	3929.8	3974.3	4018.7
25°	3558.1	3653.0	3747.9	3905.5	4062.5	4220.1	4377.6	4409.3	4440.9	4472.6	4504.2
27.5°	3455.9	3552.6	3649.4	3768.6	3887.3	4006.5	4125.1	4263.9	4403.2	4541.9	4680.6
30°	3423.0	3530.1	3636.6	3800.2	3963.3	4127.0	4290.6	4481.7	4672.7	4863.2	5054.2
32.5°	3450.4	3601.3	3752.2	3973.6	4194.5	4416.0	4637.4	4838.2	5039.6	5240.4	5441.2
35°	3794.2	3921.9	4049.1	4296.7	4544.4	4792.0	5039.6	5275.1	5510.5	5745.4	5980.9
37.5°	4122.1	4242.6	4363.0	4616.1	4868.6	5121.8	5374.9	5746.6	6119.0	6490.7	6862.5
40°	4590.6	4693.4	4795.6	5012.2	5228.8	5445.4	5662.0	6110.5	6558.9	7007.3	7455.7
42.5°	5126.0	5203.3	5279.9	5504.5	5729.0	5953.5	6178.0	6665.9	7154.5	7642.5	8130.4
45°	5781.3	5848.8	5916.4	6070.9	6225.4	6380.6	6535.1	7038.3	7541.5	8044.6	8547.8
47.5°	6646.5	6559.5	6472.5	6548.5	6624.6	6700.6	6776.7	7274.4	7772.1	8269.2	8766.9
50°	7196.5	7105.2	7014.0	7020.7	7026.7	7033.4	7040.1	7504.4	7968.6	8432.2	8896.4
52.5°	7927.8	7728.3	7529.3	7527.5	7525.7	7523.2	7521.4	7926.0	8331.2	8735.8	9140.4
55°	8527.7	8309.3	8090.9	8048.3	8005.7	7962.5	7919.9	8320.3	8720.0	9120.3	9520.1
57.5°	9041.9	8757.1	8473.0	8406.1	8339.1	8272.2	8205.3	8636.6	9068.6	9500.0	9931.4
60°	9270.6	9085.1	8900.1	8818.0	8735.8	8653.7	8571.5	8939.0	9306.5	9673.4	10040.9
62.5°	9155.0	9017.5	8880.6	8899.5	8918.3	8937.2	8956.1	9166.0	9376.5	9586.4	9796.3
65°	8667.7	8634.8	8602.6	8754.7	8906.8	9058.9	9211.0	9214.0	9217.1	9220.1	9223.2
67.5°	7848.7	7801.3	7753.8	8070.2	8386.0	8702.4	9018.7	8868.5	8718.2	8568.5	8418.2
70°	6558.9	6580.8	6602.1	7032.8	7463.0	7893.8	8324.5	8106.7	7888.3	7670.5	7452.0
72.5°	5017.1	5158.3	5298.8	5745.4	6192.0	6638.6	7085.2	6836.3	6586.9	6338.0	6088.5
75°	3670.0	3801.5	3932.9	4374.0	4815.1	5256.8	5697.9	5402.2	5106.5	4811.5	4515.8
77.5°	2738.5	2789.6	2840.1	3207.0	3573.3	3940.2	4306.5	4009.5	3712.6	3416.3	3119.4
80°	2184.3	2147.8	2111.9	2315.1	2518.3	2721.5	2924.7	2714.2	2503.1	2292.6	2082.0
82.5°	1793.0	1733.4	1674.4	1749.8	1825.3	1901.3	1976.8	1808.3	1639.7	1471.2	1302.6
85°	1278.9	1254.0	1229.0	1250.9	1272.2	1294.1	1316.0	1151.8	987.5	823.8	659.5
87.5°	489.2	519.6	550.0	584.7	618.8	653.5	687.5	538.5	389.4	240.9	91.9
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: P596378
 CATALOG NUMBER: MSA-SA3D-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



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 CATALOG NUMBER: MSA-SA3D-722-U-SLR

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1322.1	1322.1
2.5°	1741.3	1770.5
5°	2127.1	2126.5
7.5°	2248.1	2237.8
10°	2142.3	2115.5
12.5°	2293.8	2214.1
15°	2388.7	2309.0
17.5°	2776.3	2655.8
20°	3222.2	3078.6
22.5°	3800.2	3581.8
25°	4243.2	3981.6
27.5°	4525.5	4369.7
30°	4875.9	4697.7
32.5°	5309.8	5177.7
35°	5860.4	5739.3
37.5°	6824.7	6786.4
40°	7410.1	7363.8
42.5°	8132.3	8133.5
45°	8575.2	8602.6
47.5°	8836.2	8905.0
50°	9044.3	9191.5
52.5°	9341.8	9543.2
55°	9787.8	10054.9
57.5°	10158.9	10386.5
60°	10158.9	10276.4
62.5°	9793.3	9789.6
65°	9166.6	9109.4
67.5°	8346.4	8274.6
70°	7340.1	7227.5
72.5°	5949.2	5809.3
75°	4324.1	4131.8
77.5°	3028.2	2936.3
80°	2126.5	2170.9
82.5°	1365.9	1429.2
85°	649.8	640.1
87.5°	76.7	61.5
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: P596378
CATALOG NUMBER: MSA-SA3D-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)