

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: P596729

Luminaire Tested: **MSA-SA3D-827-U-SLR-HSS**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P596729
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-25)
Test Lab: INNOVATIONS CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: MSA-SA3D-827-U-SLR-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10674 lumens
Efficiency: N/A
Efficacy: 55.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

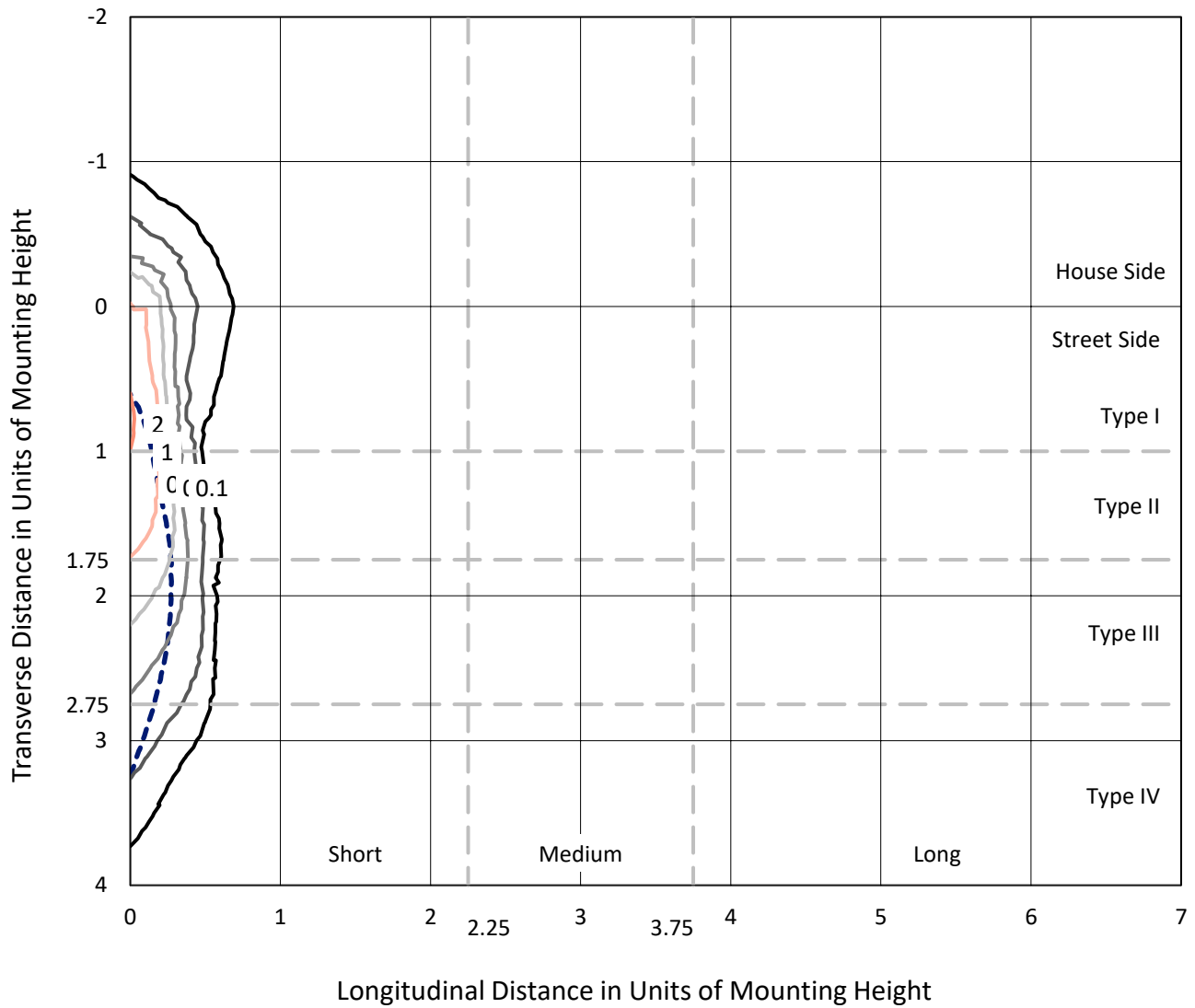
Input Watts (W): 192
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

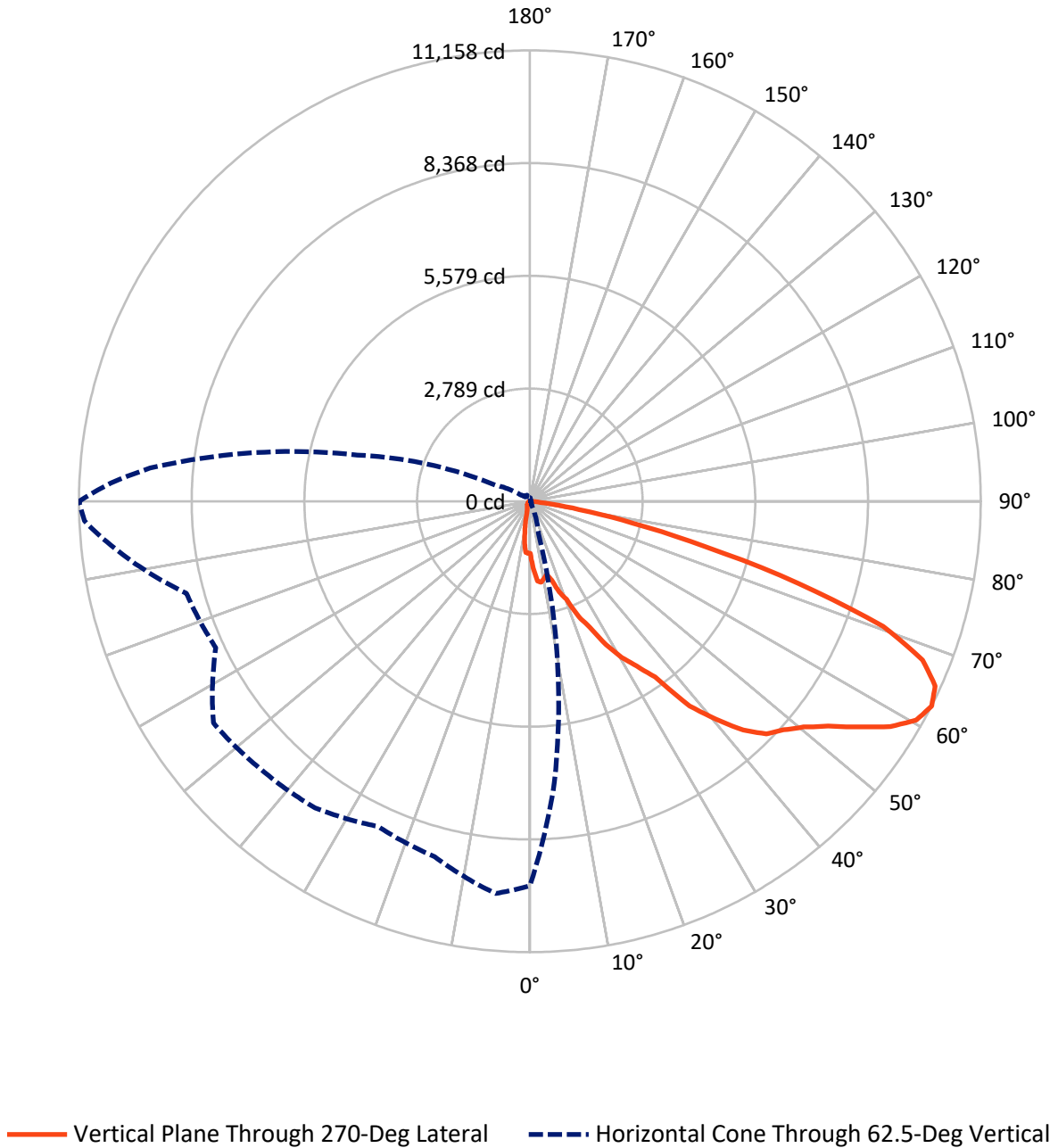
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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	1782.4	0.0	1782.4
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	8891.6	0.0	8891.6
	% Fixture	83.3	0.0	83.3
Total	Lumens	10674.0	0.0	10674.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.7	1.3
10°-20°	375.4	3.5
20°-30°	606.8	5.7
30°-40°	1016.3	9.5
40°-50°	1661.3	15.6
50°-60°	2459.4	23.0
60°-70°	2823.4	26.5
70°-80°	1396.0	13.1
80°-90°	191.7	1.8
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°	10674.0	100.0
0°-180°	10674.0	100.0

Coefficient of Utilization

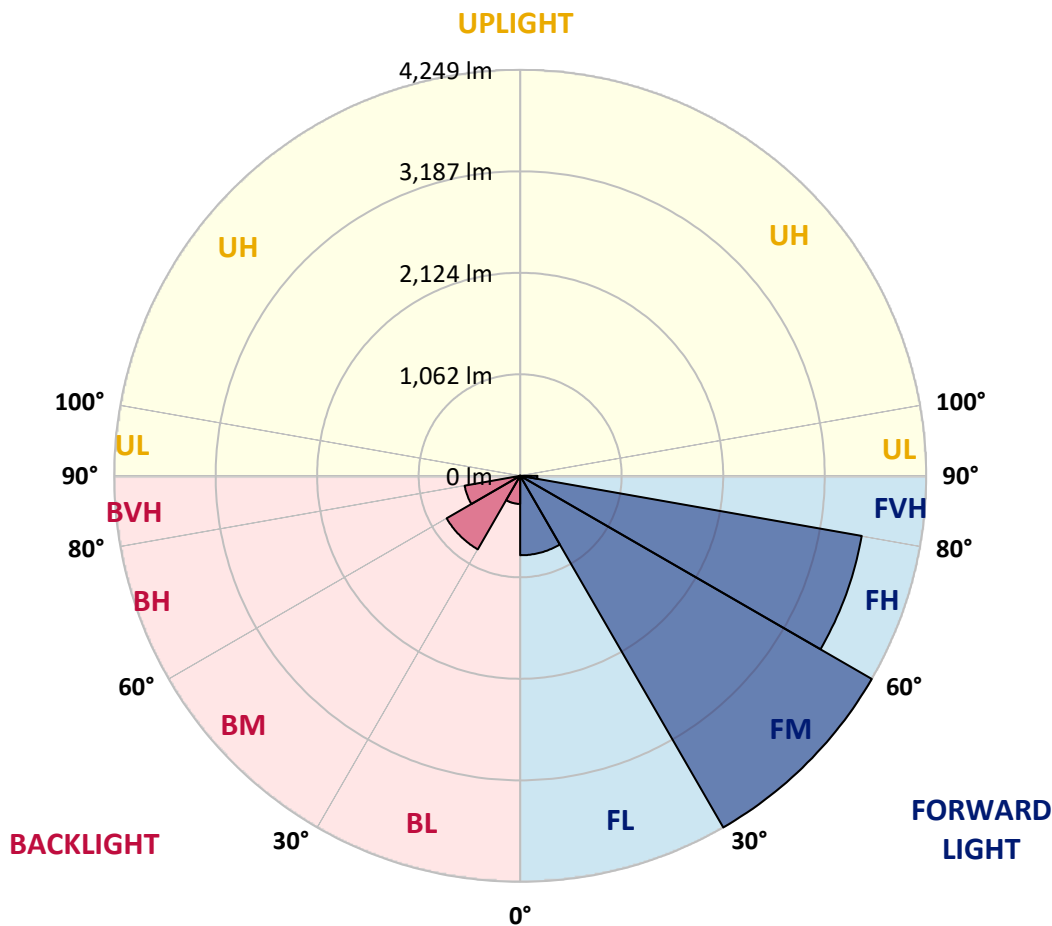


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	831.6	7.8			
FM (30°-60°)	4248.8	39.8			
FH (60°-80°)	3629.7	34.0			G2/5000
FVH (80°-90°)	181.5	1.7			G2/225
BL (0°-30°)	294.3	2.8	B1/500		
BM (30°-60°)	888.2	8.3	B1/1000		
BH (60°-80°)	589.7	5.5	B2/1000		G2/1000
BVH (80°-90°)	10.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 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°	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3
2.5°	1705.5	1726.8	1747.5	1707.9	1668.4	1628.8	1589.3	1554.0	1518.7	1482.8	1447.5
5°	2194.7	2155.7	2116.8	2063.3	2009.7	1956.2	1902.6	1877.7	1852.7	1827.8	1802.8
7.5°	2365.1	2295.7	2225.7	2178.3	2131.4	2083.9	2036.5	1961.6	1886.2	1811.4	1735.9
10°	2231.2	2157.6	2083.3	2042.0	2000.6	1959.2	1917.8	1824.7	1731.0	1638.0	1544.3
12.5°	2292.6	2212.9	2133.2	2048.0	1962.9	1877.7	1792.5	1721.3	1649.5	1578.3	1506.5
15°	2335.2	2244.0	2152.1	2054.7	1957.4	1860.0	1762.7	1678.7	1595.4	1511.4	1427.4
17.5°	2585.3	2454.5	2323.7	2174.0	2024.3	1874.6	1725.0	1627.6	1530.9	1433.5	1336.2
20°	2906.6	2721.0	2534.8	2332.2	2129.6	1927.0	1724.4	1603.3	1482.2	1361.1	1240.0
22.5°	3280.2	3048.3	2815.9	2565.8	2316.4	2066.3	1816.2	1642.2	1468.2	1294.2	1120.2
25°	3656.2	3446.9	3237.6	2901.1	2564.6	2227.5	1891.1	1670.2	1448.7	1227.9	1006.4
27.5°	4335.2	3961.0	3586.8	3158.5	2730.7	2302.4	1874.0	1620.9	1367.8	1114.1	861.0
30°	4779.4	4491.6	4203.2	3637.3	3072.1	2506.2	1940.4	1619.7	1299.0	977.8	657.1
32.5°	5310.6	4889.5	4467.9	3853.9	3240.0	2626.1	2012.1	1635.5	1258.3	881.6	504.4
35°	5907.5	5449.3	4991.1	4213.5	3435.9	2657.7	1880.1	1515.0	1150.0	784.9	419.8
37.5°	6961.9	6195.3	5428.6	4522.0	3614.8	2708.2	1801.0	1436.6	1071.5	707.0	341.9
40°	7560.6	6828.7	6096.7	4963.7	3830.8	2697.9	1564.9	1241.2	918.2	594.5	270.8
42.5°	8339.4	7410.9	6481.8	5215.6	3949.5	2683.3	1417.1	1117.7	818.4	518.4	219.0
45°	8801.3	7749.2	6697.2	5325.2	3953.1	2581.1	1209.0	949.8	690.6	431.4	172.2
47.5°	9092.7	8037.6	6982.6	5509.5	4037.1	2564.0	1091.0	852.4	613.9	375.4	136.9
50°	9240.6	8182.5	7123.8	5609.9	4096.1	2581.7	1067.8	830.5	592.6	355.3	117.4
52.5°	9394.5	8374.1	7353.1	5783.9	4214.7	2645.5	1076.4	834.2	592.6	350.5	108.3
55°	9705.4	8699.0	7692.0	6033.4	4374.8	2716.1	1057.5	819.0	580.5	341.3	102.8
57.5°	10087.5	9011.8	7935.4	6215.9	4496.5	2777.0	1057.5	817.8	578.0	337.7	98.0
60°	10015.1	8847.5	7679.3	6010.9	4342.5	2673.5	1005.2	777.0	549.4	321.3	93.1
62.5°	9518.0	8250.6	6982.6	5440.8	3898.4	2356.5	814.1	632.2	450.3	267.7	85.8
65°	8933.9	7588.6	6242.7	4823.8	3404.3	1985.4	565.9	444.2	321.9	200.2	77.9
67.5°	8230.5	6795.8	5361.1	4099.1	2837.8	1575.9	314.0	253.1	192.3	130.8	70.0
70°	7010.0	5529.0	4047.4	3077.5	2108.3	1138.4	168.5	142.4	116.2	90.1	63.9
72.5°	5262.5	3905.7	2548.8	1936.1	1324.0	711.3	98.6	88.8	78.5	68.8	58.4
75°	3580.7	2564.0	1547.3	1178.0	809.2	439.9	70.6	65.7	60.2	55.4	49.9
77.5°	2434.4	1760.9	1087.3	829.9	572.6	315.2	57.8	54.8	51.7	48.1	45.0
80°	1519.9	1040.5	561.0	432.0	302.4	173.4	43.8	42.0	40.2	37.7	35.9
82.5°	1063.0	635.8	208.7	163.1	117.4	71.2	25.6	26.2	26.8	26.8	27.4
85°	446.0	240.9	35.9	30.4	24.9	19.5	14.0	15.2	17.0	18.3	19.5
87.5°	7.9	4.3	0.0	1.2	3.0	4.3	5.5	7.3	8.5	10.3	11.6
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



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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°	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3
2.5°	1456.6	1465.8	1474.3	1483.4	1476.1	1469.4	1462.1	1454.8	1443.9	1433.5	1422.6
5°	1772.4	1742.0	1711.6	1681.2	1634.9	1588.7	1541.8	1495.6	1490.1	1484.6	1478.5
7.5°	1664.7	1593.5	1521.7	1450.5	1383.6	1316.7	1249.8	1182.8	1162.1	1142.1	1121.4
10°	1489.5	1434.7	1379.4	1324.6	1276.5	1227.9	1179.8	1131.1	1080.6	1030.1	979.0
12.5°	1449.3	1392.1	1334.3	1277.1	1233.3	1189.5	1145.7	1101.9	1045.3	988.7	932.1
15°	1365.4	1303.3	1241.2	1179.2	1120.8	1062.4	1003.3	944.9	876.8	808.6	740.5
17.5°	1262.5	1189.5	1115.9	1042.3	965.6	888.9	812.3	735.6	657.1	579.2	500.8
20°	1140.2	1040.5	940.1	840.3	745.4	650.4	554.9	460.0	410.7	362.0	312.7
22.5°	991.2	861.6	732.6	603.0	525.1	446.6	368.7	290.2	268.9	247.6	226.3
25°	859.7	713.1	566.5	419.8	370.5	321.3	272.0	222.7	213.0	202.6	192.9
27.5°	722.8	585.3	447.2	309.1	281.1	252.5	224.5	195.9	189.2	183.1	176.5
30°	554.3	451.5	348.0	245.2	227.0	208.7	189.8	171.6	168.5	164.9	161.8
32.5°	429.6	354.1	279.3	203.8	193.5	183.1	172.8	162.5	157.6	152.7	147.2
35°	359.0	298.7	237.9	177.1	169.8	161.8	154.5	146.6	141.8	136.3	131.4
37.5°	297.5	253.7	209.3	164.9	157.0	149.1	140.6	132.6	129.0	125.3	121.7
40°	245.2	219.7	194.1	168.5	157.0	145.4	133.9	122.3	119.3	116.2	113.2
42.5°	202.6	186.2	169.1	152.7	144.2	136.3	127.8	119.3	115.0	110.1	105.9
45°	163.7	154.5	146.0	136.9	137.5	138.1	138.1	138.7	127.8	116.2	105.3
47.5°	132.6	128.4	123.5	119.3	124.1	129.0	133.3	138.1	126.6	115.0	102.8
50°	113.8	110.7	107.1	103.4	108.3	113.8	118.6	123.5	118.6	114.4	109.5
52.5°	104.0	99.8	95.5	91.3	93.1	95.5	97.4	99.2	99.2	99.2	99.2
55°	98.0	93.7	88.8	84.0	82.1	79.7	77.9	75.4	72.4	70.0	66.9
57.5°	93.1	88.2	82.7	77.9	74.8	71.2	68.1	64.5	61.5	57.8	54.8
60°	88.2	83.4	77.9	73.0	70.0	66.9	63.3	60.2	56.6	53.5	49.9
62.5°	81.5	77.3	73.0	68.8	65.7	63.3	60.2	57.2	53.5	49.9	45.6
65°	74.2	71.2	67.5	63.9	60.8	57.8	54.8	51.7	48.1	45.0	41.4
67.5°	67.5	64.5	62.1	59.0	55.4	52.3	48.7	45.0	42.6	40.2	37.1
70°	62.1	59.6	57.8	55.4	51.7	48.7	45.0	41.4	39.5	37.1	35.3
72.5°	56.6	54.8	52.3	50.5	47.5	44.4	41.4	38.3	36.5	34.7	32.9
75°	48.7	47.5	46.2	45.0	42.0	38.9	35.3	32.2	31.6	31.0	30.4
77.5°	43.8	43.2	42.0	40.8	37.7	34.7	31.6	28.6	29.2	29.8	29.8
80°	35.9	35.9	35.3	35.3	32.9	30.4	27.4	24.9	26.2	28.0	29.2
82.5°	27.4	27.4	27.4	27.4	24.9	22.5	20.1	17.6	19.5	20.7	22.5
85°	18.9	18.3	17.6	17.0	15.2	14.0	12.2	10.3	12.8	14.6	17.0
87.5°	11.6	12.2	12.2	12.2	11.0	9.1	7.9	6.1	7.3	7.9	9.1
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



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 CATALOG NUMBER: MSA-SA3D-827-U-SLR-HSS

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: P596729
 CATALOG NUMBER: MSA-SA3D-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3
2.5°	1411.6	1393.4	1375.1	1356.2	1338.0	1295.4	1252.8	1210.2	1167.6	1199.3	1230.3
5°	1473.1	1437.8	1401.9	1366.6	1330.7	1314.9	1299.7	1283.8	1268.0	1270.4	1273.5
7.5°	1100.7	1077.6	1054.4	1030.7	1007.6	1002.7	998.5	993.6	988.7	999.1	1008.8
10°	928.5	896.2	863.4	831.1	798.3	780.6	763.0	745.4	727.7	725.9	723.4
12.5°	875.6	826.3	777.6	728.3	679.0	640.7	602.4	564.0	525.7	528.7	531.8
15°	672.3	623.1	574.4	525.1	475.8	444.8	413.1	382.1	350.5	341.3	332.2
17.5°	422.3	385.8	349.3	312.1	275.6	265.3	255.5	245.2	234.9	231.8	228.8
20°	263.5	247.6	231.8	215.4	199.6	197.1	194.7	192.3	189.8	191.7	193.5
22.5°	205.0	198.4	191.1	184.4	177.1	174.6	172.2	169.8	167.3	169.1	170.4
25°	182.5	177.7	172.8	167.9	163.1	160.6	157.6	155.2	152.1	153.3	155.2
27.5°	169.8	165.5	161.2	157.0	152.7	148.5	144.8	140.6	136.3	138.7	140.6
30°	158.2	153.3	149.1	144.2	139.3	135.1	130.8	125.9	121.7	124.1	126.6
32.5°	142.4	138.1	133.3	129.0	124.1	121.7	119.3	116.2	113.8	115.6	116.8
35°	125.9	122.3	119.3	115.6	112.0	109.5	107.7	105.3	102.8	103.4	104.7
37.5°	118.0	113.8	109.5	105.3	101.0	99.8	98.6	96.7	95.5	95.5	95.5
40°	110.1	105.9	101.6	96.7	92.5	90.7	88.8	87.0	85.2	85.2	85.2
42.5°	101.0	96.7	92.5	88.2	84.0	82.1	79.7	77.9	75.4	75.4	75.4
45°	93.7	89.4	85.8	81.5	77.3	74.2	71.2	67.5	64.5	63.9	63.3
47.5°	91.3	85.2	79.1	73.0	66.9	63.9	60.8	57.2	54.2	53.5	52.9
50°	104.7	92.5	80.3	68.1	56.0	53.5	51.1	48.7	46.2	45.0	44.4
52.5°	99.2	86.4	73.6	60.8	48.1	46.2	44.4	42.6	40.8	39.5	38.3
55°	63.9	58.4	53.5	48.1	42.6	41.4	40.2	38.3	37.1	35.9	34.7
57.5°	51.1	48.1	45.6	42.6	39.5	38.3	37.1	35.3	34.1	32.2	31.0
60°	46.2	43.8	41.4	38.9	36.5	35.3	34.1	32.9	31.6	29.8	28.6
62.5°	42.0	40.2	38.3	36.5	34.7	33.5	32.2	31.0	29.8	28.0	26.2
65°	37.7	36.5	35.3	34.1	32.9	31.6	30.4	28.6	27.4	25.6	23.7
67.5°	34.7	34.1	33.5	32.9	32.2	31.0	29.2	28.0	26.2	24.3	21.9
70°	32.9	32.9	32.9	32.2	32.2	31.0	29.2	28.0	26.2	23.7	21.9
72.5°	31.0	31.6	32.2	32.2	32.9	31.0	29.2	27.4	25.6	23.1	21.3
75°	29.8	30.4	31.0	31.0	31.6	30.4	29.2	27.4	26.2	23.7	21.3
77.5°	30.4	31.0	31.0	31.6	31.6	30.4	29.2	27.4	26.2	23.1	20.1
80°	30.4	29.8	29.2	28.0	27.4	24.9	22.5	19.5	17.0	13.4	10.3
82.5°	23.7	22.5	21.9	20.7	19.5	17.0	14.6	12.2	9.7	7.3	4.9
85°	18.9	17.6	17.0	15.8	14.6	12.8	10.3	8.5	6.1	4.9	3.0
87.5°	9.7	9.1	7.9	7.3	6.1	4.9	3.0	1.8	0.0	0.0	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: P596729
 CATALOG NUMBER: MSA-SA3D-827-U-SLR-HSS

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: P596729
 CATALOG NUMBER: MSA-SA3D-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3
2.5°	1261.9	1293.0	1288.7	1284.4	1304.5	1324.6	1310.0	1296.0	1281.4	1266.8	1236.4
5°	1275.9	1278.4	1274.1	1269.2	1269.8	1270.4	1260.7	1251.0	1241.2	1231.5	1229.7
7.5°	1019.2	1028.9	1042.3	1055.1	1055.7	1055.7	1048.4	1041.1	1033.2	1025.8	1029.5
10°	721.6	719.2	722.8	726.5	725.9	724.7	744.1	763.6	782.5	801.9	787.9
12.5°	534.2	537.3	522.1	506.8	512.3	517.2	520.2	523.3	526.3	529.4	537.9
15°	323.1	314.0	303.0	292.1	297.5	302.4	307.9	312.7	318.2	323.1	328.6
17.5°	225.1	222.1	217.2	211.7	212.3	213.0	213.6	214.2	214.2	214.8	216.0
20°	195.3	197.1	193.5	189.2	188.0	186.2	185.0	183.8	181.9	180.7	178.9
22.5°	172.2	173.4	174.0	174.0	171.6	168.5	166.1	164.3	161.8	159.4	158.2
25°	156.4	157.6	156.4	154.5	153.3	152.1	150.9	149.1	147.9	146.0	145.4
27.5°	143.0	144.8	144.8	144.2	143.0	141.2	138.1	135.7	132.6	129.6	130.2
30°	129.0	131.4	131.4	130.8	130.2	129.6	126.6	123.5	120.5	117.4	118.6
32.5°	118.6	119.9	119.3	118.6	118.6	118.0	115.6	113.8	111.3	108.9	108.9
35°	105.3	105.9	105.9	105.9	105.9	105.3	103.4	101.6	99.8	98.0	98.6
37.5°	95.5	95.5	97.4	98.6	97.4	96.1	94.9	93.1	91.9	90.1	90.1
40°	84.6	84.6	86.4	87.6	86.4	85.2	84.6	83.4	82.7	81.5	81.5
42.5°	74.8	74.8	76.7	77.9	77.9	77.3	76.1	74.8	73.6	72.4	73.0
45°	62.7	62.1	65.1	67.5	66.3	65.1	65.1	64.5	64.5	63.9	64.5
47.5°	51.7	51.1	53.5	56.0	55.4	54.2	54.2	54.2	54.2	54.2	54.8
50°	43.2	42.0	44.4	46.2	45.6	44.4	44.4	45.0	45.0	45.0	45.6
52.5°	37.1	35.9	37.7	38.9	38.3	37.7	37.7	38.3	38.3	38.3	38.9
55°	32.9	31.6	33.5	34.7	34.1	32.9	33.5	33.5	34.1	34.1	34.1
57.5°	29.2	27.4	28.6	29.8	29.8	29.2	29.8	29.8	30.4	30.4	30.4
60°	26.8	24.9	26.2	26.8	26.8	26.2	26.8	26.8	27.4	27.4	27.4
62.5°	23.7	21.9	23.1	23.7	23.7	23.1	23.7	23.7	24.3	24.3	24.3
65°	21.3	19.5	20.1	20.7	20.7	20.7	21.3	21.3	21.9	21.9	21.9
67.5°	20.1	17.6	18.3	18.9	18.9	18.9	19.5	19.5	20.1	20.1	20.7
70°	19.5	17.0	17.6	17.6	18.3	18.3	18.3	18.9	18.9	18.9	18.9
72.5°	18.9	16.4	16.4	16.4	17.0	17.0	17.0	17.6	17.6	17.6	17.6
75°	18.9	16.4	15.8	15.2	15.8	15.8	15.8	16.4	16.4	16.4	16.4
77.5°	16.4	13.4	12.2	10.3	12.2	13.4	14.0	14.0	14.6	14.6	14.6
80°	6.7	3.0	1.8	0.0	0.6	1.2	1.8	2.4	3.0	3.7	4.3
82.5°	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P596729
 CATALOG NUMBER: MSA-SA3D-827-U-SLR-HSS

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: P596729
 CATALOG NUMBER: MSA-SA3D-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3
2.5°	1206.0	1175.5	1145.1	1159.7	1174.3	1188.9	1203.5	1202.3	1200.5	1199.3	1197.4
5°	1228.5	1226.6	1224.8	1216.3	1208.4	1199.9	1191.3	1189.5	1187.1	1185.3	1182.8
7.5°	1033.2	1036.2	1039.8	1030.1	1020.4	1010.6	1000.9	976.0	951.0	925.5	900.5
10°	774.0	759.3	745.4	744.1	742.9	741.7	740.5	738.1	735.6	732.6	730.1
12.5°	547.0	555.5	564.0	561.0	558.0	554.3	551.3	555.5	560.4	564.6	568.9
15°	333.4	338.9	343.8	354.7	365.7	376.6	387.6	391.8	396.7	401.0	405.2
17.5°	217.2	217.8	219.0	231.2	242.8	254.9	266.5	274.4	282.3	289.6	297.5
20°	177.1	175.2	173.4	180.1	186.8	193.5	200.2	207.5	214.8	222.1	229.4
22.5°	157.6	156.4	155.2	157.6	160.0	161.8	164.3	169.8	175.8	181.3	186.8
25°	144.8	143.6	143.0	144.2	145.4	146.6	147.9	150.9	153.9	157.0	160.0
27.5°	130.2	130.8	130.8	132.0	132.6	133.9	134.5	135.7	137.5	138.7	139.9
30°	119.3	120.5	121.1	122.3	122.9	124.1	124.7	124.1	123.5	122.9	122.3
32.5°	108.9	108.3	108.3	109.5	110.1	111.3	112.0	113.2	114.4	115.0	116.2
35°	98.6	99.2	99.2	99.2	99.8	99.8	99.8	101.0	102.8	104.0	105.3
37.5°	89.4	89.4	88.8	90.7	91.9	93.7	94.9	96.1	98.0	99.2	100.4
40°	81.5	81.5	81.5	82.7	84.0	84.6	85.8	88.8	91.9	94.9	98.0
42.5°	73.0	73.6	73.6	74.8	76.1	76.7	77.9	80.3	82.1	84.6	86.4
45°	65.1	65.7	66.3	67.5	68.1	69.4	70.0	71.2	71.8	73.0	73.6
47.5°	56.0	56.6	57.2	58.4	59.0	60.2	60.8	60.2	60.2	59.6	59.0
50°	46.9	47.5	48.1	49.9	51.1	52.9	54.2	52.9	51.7	49.9	48.7
52.5°	39.5	39.5	40.2	41.4	42.6	43.2	44.4	43.8	43.2	42.6	42.0
55°	34.1	34.1	34.1	34.7	35.3	35.9	36.5	37.1	37.1	37.7	37.7
57.5°	30.4	29.8	29.8	30.4	31.0	31.0	31.6	32.2	32.2	32.9	32.9
60°	27.4	26.8	26.8	27.4	28.0	28.6	29.2	29.2	29.2	28.6	28.6
62.5°	24.3	24.3	24.3	24.9	24.9	25.6	25.6	25.6	26.2	26.2	26.2
65°	22.5	22.5	22.5	22.5	22.5	21.9	21.9	22.5	22.5	23.1	23.1
67.5°	20.7	21.3	21.3	20.7	20.1	19.5	18.9	19.5	19.5	20.1	20.1
70°	18.9	18.9	18.9	18.3	17.6	17.0	16.4	16.4	16.4	15.8	15.8
72.5°	17.6	17.0	17.0	16.4	15.2	14.6	13.4	12.8	12.8	12.2	11.6
75°	16.4	15.8	15.8	14.6	13.4	12.2	11.0	10.3	9.1	8.5	7.3
77.5°	14.6	14.6	14.6	12.8	11.6	9.7	7.9	6.7	5.5	3.7	2.4
80°	4.9	5.5	6.1	5.5	5.5	4.9	4.3	3.0	2.4	1.2	0.0
82.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P596729
 CATALOG NUMBER: MSA-SA3D-827-U-SLR-HSS

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: P596729
 CATALOG NUMBER: MSA-SA3D-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3
2.5°	1204.1	1210.8	1217.5	1224.2	1224.8	1225.4	1226.0	1226.6	1211.4	1195.6	1180.4
5°	1195.0	1207.8	1219.9	1232.1	1225.4	1218.7	1212.0	1205.3	1204.7	1204.7	1204.1
7.5°	902.3	903.6	905.4	906.6	909.0	911.5	913.3	915.7	925.5	935.2	944.3
10°	722.2	714.3	705.8	697.9	691.8	685.1	679.0	672.3	677.2	682.7	687.6
12.5°	562.2	555.5	548.2	541.5	539.1	536.7	533.6	531.2	547.0	562.8	578.0
15°	404.0	402.8	401.0	399.8	407.7	415.6	423.5	431.4	444.8	457.6	470.9
17.5°	300.6	303.6	306.7	309.7	314.6	319.4	323.7	328.6	338.3	348.6	358.4
20°	233.0	237.3	240.9	244.6	243.4	242.2	240.3	239.1	247.0	254.9	262.2
22.5°	190.4	193.5	197.1	200.2	200.8	201.4	202.0	202.6	207.5	211.7	216.6
25°	163.1	166.7	169.8	172.8	173.4	174.0	174.6	175.2	181.3	187.4	192.9
27.5°	144.2	147.9	152.1	155.8	157.0	158.2	159.4	160.6	164.3	167.3	171.0
30°	127.2	132.0	136.9	141.8	143.6	145.4	147.2	149.1	152.7	157.0	160.6
32.5°	118.6	121.7	124.1	126.6	130.8	134.5	138.7	142.4	146.6	151.5	155.8
35°	108.9	112.0	115.6	118.6	121.7	124.7	127.2	130.2	132.6	135.1	136.9
37.5°	102.8	105.9	108.3	110.7	112.0	113.2	113.8	115.0	116.2	117.4	118.0
40°	98.0	97.4	97.4	96.7	98.0	99.8	101.0	102.2	105.9	108.9	112.6
42.5°	85.2	83.4	82.1	80.3	83.4	85.8	88.8	91.3	96.1	101.0	105.9
45°	72.4	71.2	69.4	68.1	72.4	76.7	80.9	85.2	90.7	95.5	101.0
47.5°	59.6	60.2	60.2	60.8	65.1	69.4	73.0	77.3	82.7	88.2	93.7
50°	49.9	51.1	52.3	53.5	57.8	61.5	65.7	69.4	75.4	80.9	87.0
52.5°	43.8	45.6	46.9	48.7	52.3	56.6	60.2	63.9	69.4	74.8	80.3
55°	39.5	42.0	43.8	45.6	48.7	51.7	54.8	57.8	63.3	68.8	73.6
57.5°	34.7	36.5	38.3	40.2	43.2	46.2	48.7	51.7	56.6	62.1	66.9
60°	30.4	31.6	33.5	34.7	37.1	40.2	42.6	45.0	49.9	54.8	59.0
62.5°	26.8	28.0	28.6	29.2	31.6	34.1	36.5	38.9	43.2	48.1	52.3
65°	23.7	24.3	24.3	24.9	26.8	29.2	31.0	32.9	37.7	42.0	46.9
67.5°	20.1	20.7	20.7	20.7	22.5	24.3	26.2	28.0	32.2	37.1	41.4
70°	15.8	16.4	16.4	16.4	18.3	20.7	22.5	24.3	28.0	31.6	35.3
72.5°	12.2	12.2	12.8	12.8	14.6	17.0	18.9	20.7	23.7	26.8	29.8
75°	7.9	8.5	8.5	9.1	11.0	13.4	15.2	17.0	20.1	23.1	25.6
77.5°	3.0	4.3	4.9	5.5	7.3	9.1	11.0	12.8	15.2	18.3	20.7
80°	0.0	0.6	0.6	0.6	1.8	2.4	3.7	4.3	6.1	8.5	10.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P596729
 CATALOG NUMBER: MSA-SA3D-827-U-SLR-HSS

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: P596729
 CATALOG NUMBER: MSA-SA3D-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3
2.5°	1164.6	1198.0	1231.5	1265.0	1298.4	1339.8	1381.2	1387.3	1393.4	1386.1	1379.4
5°	1203.5	1219.9	1235.8	1252.2	1268.0	1315.5	1362.3	1362.9	1362.9	1363.5	1363.5
7.5°	954.1	968.0	982.0	995.4	1009.4	1040.5	1071.5	1083.0	1094.0	1091.6	1089.1
10°	692.4	710.7	728.3	746.6	764.2	792.8	821.4	832.4	842.7	876.2	910.2
12.5°	593.8	611.5	629.1	646.2	663.8	693.0	722.2	743.5	764.2	784.9	805.6
15°	483.7	497.7	512.3	526.3	540.3	553.7	567.1	593.2	618.8	639.5	660.2
17.5°	368.1	374.2	379.7	385.8	391.2	397.3	403.4	414.4	424.7	443.0	460.6
20°	270.2	275.0	279.9	284.1	289.0	295.1	301.2	309.1	316.4	320.7	324.3
22.5°	220.9	228.2	235.5	242.2	249.5	253.7	258.0	260.4	262.9	264.7	266.5
25°	199.0	205.7	211.7	218.4	224.5	226.3	228.2	233.0	237.9	237.9	237.9
27.5°	174.0	183.1	192.9	202.0	211.1	213.6	215.4	217.2	218.4	216.0	213.0
30°	164.3	173.4	182.5	191.1	200.2	203.8	206.9	208.7	210.5	207.5	204.4
32.5°	160.0	168.5	176.5	185.0	192.9	197.7	202.0	206.9	211.1	211.7	213.0
35°	139.3	144.8	150.9	156.4	161.8	164.3	166.7	168.5	169.8	169.8	169.8
37.5°	119.3	126.6	134.5	141.8	149.1	154.5	160.0	160.6	160.6	161.8	163.7
40°	115.6	122.9	130.2	136.9	144.2	150.3	155.8	156.4	157.0	158.2	159.4
42.5°	110.7	118.6	126.6	134.5	142.4	148.5	153.9	153.9	153.3	155.2	156.4
45°	105.9	113.8	121.1	129.0	136.3	144.2	151.5	149.7	147.2	150.3	152.7
47.5°	99.2	107.7	116.2	124.1	132.6	139.9	146.6	145.4	143.6	146.6	149.7
50°	92.5	101.0	109.5	118.0	126.6	134.5	141.8	140.6	139.3	143.0	146.0
52.5°	85.8	94.3	103.4	112.0	120.5	127.2	133.3	132.6	132.0	135.7	139.9
55°	79.1	87.0	95.5	103.4	111.3	118.6	125.3	124.1	122.9	125.9	129.0
57.5°	71.8	79.7	87.0	94.9	102.2	108.3	113.8	112.0	110.1	113.8	117.4
60°	63.9	71.2	78.5	85.2	92.5	97.4	101.6	100.4	98.6	102.2	105.9
62.5°	56.6	63.3	70.0	76.1	82.7	86.4	90.1	88.8	87.6	91.3	95.5
65°	51.1	56.6	61.5	66.9	71.8	75.4	79.1	77.3	75.4	79.7	83.4
67.5°	45.6	49.9	54.8	59.0	63.3	66.3	69.4	68.1	66.3	69.4	72.4
70°	38.9	43.2	47.5	51.1	55.4	58.4	61.5	59.6	57.2	60.2	63.3
72.5°	32.9	36.5	40.2	43.2	46.9	49.3	51.7	49.9	48.1	50.5	52.9
75°	28.6	31.6	34.7	37.1	40.2	41.4	42.6	42.0	40.8	43.2	45.0
77.5°	23.1	25.6	28.6	31.0	33.5	33.5	33.5	34.1	34.1	36.5	39.5
80°	12.2	14.6	17.0	18.9	21.3	21.3	20.7	21.9	22.5	25.6	28.6
82.5°	0.0	1.8	3.7	5.5	7.3	6.7	5.5	6.1	6.1	7.3	8.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P596729
 CATALOG NUMBER: MSA-SA3D-827-U-SLR-HSS

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: P596729
 CATALOG NUMBER: MSA-SA3D-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3
2.5°	1372.1	1364.8	1359.9	1355.6	1350.8	1345.9	1352.0	1358.1	1363.5	1369.6	1387.9
5°	1364.1	1364.1	1359.9	1355.6	1351.4	1347.1	1356.2	1364.8	1373.9	1382.4	1381.8
7.5°	1086.1	1083.7	1109.2	1134.2	1159.7	1184.7	1191.3	1198.0	1204.1	1210.8	1209.0
10°	943.7	977.2	988.1	999.1	1010.0	1021.0	1034.4	1047.8	1061.1	1074.5	1079.4
12.5°	826.3	847.0	882.3	916.9	952.2	986.9	1004.6	1022.8	1040.5	1058.1	1092.8
15°	680.9	701.5	732.0	762.4	792.8	823.2	851.2	879.8	907.8	935.8	977.8
17.5°	478.9	496.5	519.6	542.7	565.3	588.4	631.6	674.8	718.0	761.2	805.6
20°	328.6	332.2	343.2	354.7	365.7	376.6	415.6	455.1	494.1	533.0	591.4
22.5°	267.7	269.5	275.0	280.5	285.4	290.8	310.9	331.6	351.7	371.8	419.2
25°	237.3	237.3	240.9	244.6	248.2	251.9	262.9	273.8	284.1	295.1	325.5
27.5°	210.5	207.5	213.0	218.4	223.9	229.4	237.3	245.8	253.7	261.6	282.3
30°	201.4	198.4	205.0	211.7	218.4	225.1	233.0	240.9	248.2	256.2	270.2
32.5°	213.6	214.2	216.6	219.0	220.9	223.3	227.0	231.2	234.9	238.5	250.7
35°	169.8	169.8	174.0	178.3	181.9	186.2	192.9	199.6	206.3	213.0	225.7
37.5°	164.9	166.1	169.8	174.0	177.7	181.3	189.8	199.0	207.5	216.0	226.3
40°	160.0	161.2	166.1	171.0	175.8	180.7	189.2	197.1	205.7	213.6	223.3
42.5°	158.2	159.4	165.5	172.2	178.3	184.4	191.7	199.0	205.7	213.0	226.3
45°	155.8	158.2	165.5	173.4	180.7	188.0	194.7	201.4	208.1	214.8	231.2
47.5°	152.1	155.2	163.7	171.6	180.1	188.0	200.8	214.2	227.0	239.7	247.6
50°	149.7	152.7	161.8	171.0	180.1	189.2	209.9	230.6	250.7	271.4	267.1
52.5°	143.6	147.2	158.8	170.4	181.9	193.5	211.7	230.0	248.2	266.5	258.0
55°	132.0	135.1	148.5	161.8	174.6	188.0	201.4	214.8	227.6	240.9	231.2
57.5°	120.5	124.1	136.9	149.7	161.8	174.6	181.3	188.0	194.7	201.4	197.7
60°	109.5	113.2	130.2	147.2	164.3	181.3	175.2	169.1	162.5	156.4	160.6
62.5°	99.2	102.8	119.3	135.1	151.5	167.3	158.8	150.3	141.8	133.3	139.9
65°	87.6	91.3	97.4	104.0	110.1	116.2	115.6	114.4	113.8	112.6	119.9
67.5°	75.4	78.5	81.5	85.2	88.2	91.3	93.1	95.5	97.4	99.2	105.3
70°	65.7	68.8	72.4	75.4	79.1	82.1	83.4	84.6	85.2	86.4	91.9
72.5°	54.8	57.2	62.1	66.9	71.2	76.1	76.7	76.7	77.3	77.3	81.5
75°	47.5	49.3	52.9	56.6	59.6	63.3	65.1	66.9	68.1	70.0	72.4
77.5°	42.0	44.4	45.6	46.2	47.5	48.1	49.3	50.5	51.7	52.9	53.5
80°	31.0	34.1	35.3	35.9	37.1	37.7	37.7	37.1	37.1	36.5	37.1
82.5°	9.7	11.0	12.8	14.6	16.4	18.3	18.9	19.5	19.5	20.1	19.5
85°	1.8	2.4	3.7	4.9	5.5	6.7	6.1	4.9	4.3	3.0	2.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P596729
 CATALOG NUMBER: MSA-SA3D-827-U-SLR-HSS

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: P596729
 CATALOG NUMBER: MSA-SA3D-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3
2.5°	1406.1	1423.8	1442.0	1434.7	1427.4	1420.1	1412.8	1414.0	1415.9	1417.1	1418.3
5°	1381.2	1380.0	1379.4	1400.0	1421.3	1442.0	1462.7	1485.2	1508.4	1530.9	1553.4
7.5°	1207.2	1204.7	1202.9	1229.7	1256.5	1283.2	1310.0	1341.0	1372.7	1403.7	1434.7
10°	1084.3	1089.1	1094.0	1104.9	1116.5	1127.5	1138.4	1168.2	1198.0	1227.2	1257.1
12.5°	1127.5	1161.5	1196.2	1202.9	1209.0	1215.7	1221.8	1226.0	1230.3	1234.5	1238.8
15°	1020.4	1062.4	1104.3	1122.0	1139.0	1156.7	1173.7	1218.7	1263.1	1308.2	1352.6
17.5°	850.0	893.8	938.2	991.2	1044.1	1097.0	1150.0	1198.6	1247.3	1296.0	1344.7
20°	650.4	708.8	767.3	834.2	901.7	968.7	1035.6	1084.3	1132.3	1181.0	1229.1
22.5°	467.3	514.8	562.2	643.1	723.4	804.4	884.7	969.3	1054.4	1139.0	1223.6
25°	355.9	385.8	416.2	495.9	575.6	654.7	734.4	850.6	966.8	1083.0	1199.3
27.5°	302.4	323.1	343.2	415.0	486.8	558.0	629.7	767.9	906.0	1044.1	1182.2
30°	284.8	298.7	312.7	373.6	435.0	495.9	556.7	696.7	836.6	976.6	1116.5
32.5°	262.9	274.4	286.6	340.1	393.7	446.6	500.1	637.0	774.0	910.2	1047.1
35°	237.9	250.7	262.9	316.4	369.9	422.9	476.4	618.2	760.0	901.7	1043.5
37.5°	236.1	246.4	256.2	318.2	380.9	443.0	505.0	646.8	788.6	929.7	1071.5
40°	233.6	243.4	253.1	316.4	379.1	442.3	505.0	653.5	801.9	950.4	1098.9
42.5°	239.7	252.5	265.9	321.9	377.8	433.2	489.2	645.6	801.9	957.7	1114.1
45°	248.2	264.7	281.1	332.2	383.3	434.4	485.5	655.3	825.1	994.2	1164.0
47.5°	256.2	264.1	272.0	320.7	368.7	417.4	465.5	638.9	812.3	985.7	1159.1
50°	263.5	259.2	254.9	308.5	362.0	415.0	468.5	634.0	798.9	964.4	1129.3
52.5°	248.9	240.3	231.2	288.4	345.6	402.2	459.4	626.1	792.8	959.5	1126.2
55°	221.5	211.7	202.0	258.6	314.6	371.2	427.1	593.2	759.3	925.5	1091.6
57.5°	193.5	189.8	185.6	228.8	272.0	314.6	357.8	542.1	727.1	911.5	1095.8
60°	164.9	168.5	172.8	203.8	234.9	265.3	296.3	477.0	657.1	837.8	1017.9
62.5°	146.0	152.7	158.8	185.0	211.7	237.9	264.1	434.4	604.8	775.2	945.5
65°	127.8	135.1	142.4	173.4	205.0	236.1	267.1	411.3	555.5	699.7	843.9
67.5°	111.3	116.8	122.9	163.7	204.4	245.2	286.0	404.0	521.4	639.5	756.9
70°	97.4	102.2	107.7	155.2	202.6	250.1	297.5	397.9	498.9	599.3	699.7
72.5°	85.8	90.1	94.3	142.4	190.4	238.5	286.6	376.0	464.9	554.3	643.1
75°	74.8	76.7	79.1	119.9	160.0	200.8	240.9	300.6	360.8	420.4	480.1
77.5°	54.2	54.2	54.8	66.9	78.5	90.7	102.2	139.3	176.5	213.0	250.1
80°	37.1	37.7	37.7	42.6	46.9	51.7	56.0	63.9	71.2	79.1	86.4
82.5°	18.9	17.6	17.0	21.9	26.8	31.6	36.5	38.3	39.5	41.4	42.6
85°	1.8	0.6	0.0	3.0	6.1	9.1	12.2	14.6	17.0	19.5	21.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P596729
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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: P596729

CATALOG NUMBER: MSA-SA3D-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3
2.5°	1413.4	1408.6	1403.7	1398.8	1428.6	1459.1	1488.9	1518.7	1603.3	1658.6	1652.6
5°	1575.3	1597.2	1619.1	1641.0	1676.3	1712.2	1747.5	1782.8	1908.1	1984.8	1995.7
7.5°	1468.8	1502.3	1536.3	1569.8	1638.0	1705.5	1773.6	1841.2	1944.0	2023.7	2068.7
10°	1295.4	1333.7	1371.5	1409.8	1486.4	1563.7	1640.4	1717.1	1832.7	1942.8	1999.4
12.5°	1299.0	1359.3	1419.5	1479.8	1546.7	1613.6	1679.9	1746.9	1817.4	1854.6	1934.3
15°	1400.0	1447.5	1495.0	1542.4	1630.0	1717.7	1804.7	1892.3	1934.3	2023.7	2116.8
17.5°	1437.2	1530.3	1622.7	1715.2	1824.7	1933.7	2043.2	2152.1	2231.2	2355.3	2451.5
20°	1368.4	1507.7	1646.5	1785.8	1936.1	2086.4	2236.7	2387.0	2473.4	2591.4	2739.9
22.5°	1371.5	1519.3	1666.5	1814.4	2021.9	2228.8	2436.2	2643.1	2874.9	3102.5	3174.9
25°	1392.7	1586.2	1779.1	1972.6	2212.3	2452.1	2691.8	2931.5	3211.4	3450.5	3546.7
27.5°	1400.0	1617.9	1835.1	2052.9	2393.6	2734.4	3075.1	3415.8	3749.9	4020.0	4122.9
30°	1382.4	1648.9	1914.8	2180.7	2598.7	3016.7	3434.7	3852.7	4169.7	4484.3	4612.1
32.5°	1386.7	1726.2	2065.7	2405.2	2897.4	3390.3	3882.5	4374.8	4577.4	4860.9	5086.0
35°	1415.9	1788.2	2160.0	2532.4	3076.9	3621.5	4166.1	4710.6	5042.8	5342.2	5533.3
37.5°	1484.0	1896.5	2308.5	2721.0	3390.3	4060.2	4729.5	5398.8	5912.9	6427.1	6514.7
40°	1534.5	1970.2	2405.8	2841.5	3618.5	4395.5	5172.4	5949.4	6531.1	7089.1	7148.7
42.5°	1591.7	2068.7	2546.4	3023.4	3892.3	4761.1	5630.0	6498.9	7172.4	7741.3	7780.9
45°	1654.4	2145.4	2635.8	3126.2	4036.5	4946.1	5856.3	6766.0	7552.7	8213.5	8064.4
47.5°	1684.2	2209.3	2734.4	3259.5	4235.4	5210.8	6186.7	7162.1	7867.9	8450.8	8276.8
50°	1707.3	2284.7	2862.8	3440.2	4463.6	5487.0	6510.4	7533.8	8241.5	8779.4	8506.8
52.5°	1772.4	2418.0	3064.2	3709.7	4798.3	5886.2	6974.7	8062.6	8747.1	9241.2	8859.1
55°	1835.7	2579.2	3323.4	4066.9	5237.6	6408.8	7579.5	8750.1	9431.6	9855.1	9336.1
57.5°	1915.4	2735.6	3555.2	4374.8	5627.0	6879.2	8130.7	9382.9	10049.2	10517.1	9978.0
60°	1894.7	2770.9	3647.7	4523.8	5799.2	7074.5	8349.8	9625.1	10416.7	10991.7	10626.0
62.5°	1814.4	2683.3	3551.5	4420.4	5673.2	6925.4	8178.2	9430.4	10379.0	11157.8	11034.9
65°	1651.9	2459.4	3267.4	4074.8	5271.0	6467.8	7664.1	8860.3	10030.9	11022.1	11065.9
67.5°	1438.4	2119.8	2800.7	3482.2	4598.1	5714.0	6829.3	7945.2	9327.0	10483.0	10613.2
70°	1212.0	1723.7	2236.1	2747.8	3729.8	4711.9	5693.3	6675.3	8111.9	9275.2	9521.1
72.5°	971.7	1300.9	1629.4	1958.0	2666.8	3375.1	4083.9	4792.2	6055.9	6958.9	7387.8
75°	629.7	779.4	929.1	1078.8	1550.9	2022.5	2494.7	2966.2	3805.3	4470.3	4955.2
77.5°	280.5	310.9	340.7	371.2	735.6	1100.1	1464.5	1829.0	2193.5	2595.0	2708.8
80°	100.4	113.8	127.8	141.2	320.0	499.5	678.4	857.3	1033.8	1241.2	1291.7
82.5°	42.0	42.0	41.4	40.8	104.7	168.5	232.4	296.3	342.6	393.7	403.4
85°	17.0	12.8	7.9	3.0	13.4	24.3	34.7	45.0	72.4	65.7	121.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P596729
 CATALOG NUMBER: MSA-SA3D-827-U-SLR-HSS

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: P596729

CATALOG NUMBER: MSA-SA3D-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3
2.5°	1629.4	1628.2	1627.0	1625.8	1624.6	1602.7	1581.4	1559.5	1538.2	1564.9	1591.7
5°	1978.1	2009.7	2041.4	2073.6	2105.2	2114.4	2123.5	2132.6	2141.8	2161.2	2180.7
7.5°	2106.5	2160.0	2212.9	2266.5	2319.4	2368.7	2417.4	2466.7	2515.9	2503.8	2491.6
10°	2062.0	2158.8	2255.5	2352.9	2449.6	2470.9	2492.2	2514.1	2535.4	2590.8	2646.2
12.5°	2014.0	2130.2	2246.4	2362.6	2478.8	2543.3	2607.2	2671.7	2736.2	2792.2	2848.2
15°	2242.1	2316.4	2390.6	2465.4	2539.7	2596.3	2652.2	2708.8	2764.8	2803.7	2842.1
17.5°	2542.1	2578.6	2615.1	2652.2	2688.7	2733.2	2777.6	2822.0	2866.4	2889.5	2912.7
20°	2859.1	2874.9	2890.8	2906.6	2922.4	2887.1	2851.8	2816.5	2781.2	2803.1	2824.4
22.5°	3177.3	3182.8	3188.9	3194.4	3199.8	3117.7	3035.6	2953.4	2871.3	2836.6	2801.9
25°	3667.1	3627.0	3586.8	3546.7	3506.5	3409.2	3311.8	3214.5	3117.1	3031.3	2945.5
27.5°	4197.7	4061.4	3925.7	3789.4	3653.8	3556.4	3459.0	3361.7	3264.3	3135.4	3006.4
30°	4732.5	4512.9	4293.8	4074.2	3855.2	3739.5	3623.9	3507.7	3392.1	3263.1	3134.7
32.5°	5222.9	4958.9	4694.8	4430.1	4166.1	3971.4	3776.7	3582.0	3387.3	3297.2	3207.1
35°	5629.4	5317.3	5005.1	4692.4	4380.2	4187.4	3994.5	3801.6	3608.7	3474.9	3341.6
37.5°	6324.2	5973.2	5622.1	5271.0	4919.9	4656.5	4393.6	4130.2	3866.7	3777.3	3687.8
40°	6964.9	6522.6	6080.3	5637.9	5195.6	4974.7	4754.4	4533.6	4313.3	4166.7	4020.6
42.5°	7474.2	7008.1	6542.7	6076.6	5610.5	5392.1	5174.3	4955.8	4737.4	4639.4	4542.1
45°	7584.4	7145.0	6706.4	6267.1	5827.8	5700.6	5574.0	5446.9	5320.3	5252.8	5185.8
47.5°	7801.6	7325.2	6849.3	6372.9	5896.5	5839.3	5782.1	5724.3	5667.1	5699.4	5731.6
50°	7923.3	7437.1	6951.0	6464.8	5978.6	5995.1	6010.9	6027.3	6043.8	6272.5	6500.7
52.5°	8159.3	7668.3	7177.3	6686.3	6195.3	6298.7	6401.5	6505.0	6607.8	6923.0	7237.5
55°	8581.0	8098.5	7616.0	7132.9	6650.4	6786.7	6923.0	7059.9	7196.2	7530.8	7864.8
57.5°	9205.9	8727.0	8248.8	7769.9	7291.7	7427.4	7563.1	7698.7	7834.4	8136.8	8438.6
60°	9992.6	9501.0	9010.0	8518.3	8027.3	8078.4	8128.9	8180.0	8231.1	8556.0	8880.4
62.5°	10605.3	10153.2	9701.8	9249.7	8798.2	8741.6	8685.6	8629.1	8573.1	8820.1	9066.5
65°	10747.7	10429.5	10111.9	9793.6	9475.4	9301.4	9128.0	8954.0	8780.0	8879.7	8979.5
67.5°	10340.0	10125.2	9911.1	9696.3	9481.5	9118.3	8755.0	8391.2	8027.9	7975.0	7922.0
70°	9393.9	9276.5	9159.6	9042.2	8925.4	8365.6	7806.4	7246.7	6687.5	6553.0	6418.6
72.5°	7412.8	7485.8	7558.8	7632.4	7705.4	7106.1	6507.4	5908.1	5308.7	5138.4	4968.6
75°	5227.2	5474.8	5722.5	5970.1	6217.8	5671.4	5125.6	4579.2	4032.8	3869.1	3706.1
77.5°	2834.2	3298.4	3762.7	4226.9	4691.2	4240.3	3790.0	3339.2	2888.3	2774.5	2661.4
80°	1343.5	1611.2	1878.3	2146.0	2413.7	2312.1	2210.5	2108.3	2006.7	2031.6	2056.6
82.5°	411.9	605.4	798.9	992.4	1185.9	1201.1	1215.7	1230.9	1246.1	1283.8	1320.9
85°	138.1	189.2	240.3	291.4	342.6	432.6	522.7	613.3	703.4	645.0	587.2
87.5°	0.0	1.8	3.0	4.9	6.1	18.9	31.6	44.4	57.2	49.3	42.0
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: P596729
 CATALOG NUMBER: MSA-SA3D-827-U-SLR-HSS

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: P596729

CATALOG NUMBER: MSA-SA3D-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3
2.5°	1619.1	1645.9	1646.5	1647.7	1648.3	1648.9	1651.9	1655.0	1658.6	1661.7	1641.6
5°	2200.8	2220.2	2184.3	2148.4	2111.9	2076.0	2108.3	2140.5	2172.8	2205.0	2191.0
7.5°	2478.8	2466.7	2462.4	2458.8	2454.5	2450.8	2463.0	2475.2	2487.4	2499.5	2498.3
10°	2701.5	2756.9	2770.3	2783.7	2797.7	2811.0	2783.1	2755.1	2727.1	2699.1	2687.5
12.5°	2904.1	2960.1	3004.5	3049.0	3094.0	3138.4	3098.2	3058.7	3018.5	2979.0	2941.3
15°	2881.0	2919.4	2955.9	2992.4	3028.9	3065.4	3052.0	3039.2	3025.8	3012.4	3006.4
17.5°	2936.4	2959.5	2951.0	2942.5	2933.3	2924.8	2920.6	2916.9	2912.7	2908.4	2893.8
20°	2846.3	2868.2	2862.8	2857.9	2852.4	2846.9	2843.3	2839.6	2836.0	2832.3	2820.8
22.5°	2767.2	2732.6	2723.4	2714.9	2705.8	2697.3	2698.5	2699.7	2700.3	2701.5	2753.9
25°	2859.7	2773.9	2740.5	2707.0	2672.9	2639.5	2654.7	2669.3	2684.5	2699.7	2775.1
27.5°	2876.8	2747.8	2694.2	2640.7	2587.1	2533.6	2588.4	2643.1	2697.9	2752.6	2874.9
30°	3005.8	2877.4	2802.5	2728.3	2653.5	2579.2	2649.2	2719.2	2789.1	2859.1	2991.8
32.5°	3116.5	3026.4	2972.9	2919.4	2865.8	2812.3	2815.3	2817.7	2820.8	2823.8	3010.6
35°	3207.8	3074.5	3025.8	2977.8	2929.1	2881.0	2953.4	3025.8	3098.2	3170.6	3338.6
37.5°	3598.4	3508.9	3419.5	3330.7	3241.2	3152.4	3210.2	3268.0	3326.4	3384.2	3569.8
40°	3874.0	3728.0	3704.9	3682.4	3659.2	3636.7	3666.5	3695.7	3725.6	3755.4	3917.8
42.5°	4444.1	4346.2	4283.5	4221.4	4158.8	4096.7	4120.4	4144.2	4168.5	4192.2	4346.2
45°	5118.3	5050.8	5009.4	4968.0	4926.0	4884.7	4848.8	4813.5	4777.6	4742.3	4898.6
47.5°	5763.9	5796.1	5887.4	5978.0	6069.3	6160.0	6085.7	6011.5	5936.7	5862.4	5863.0
50°	6729.5	6957.6	7003.9	7049.5	7095.8	7141.4	6983.2	6825.0	6666.2	6508.0	6489.1
52.5°	7552.7	7867.3	7883.7	7900.1	7917.2	7933.6	7869.7	7805.8	7741.3	7677.4	7507.7
55°	8199.5	8533.5	8556.0	8578.0	8600.5	8622.4	8566.4	8511.0	8455.0	8399.1	8227.5
57.5°	8741.0	9042.8	9056.2	9069.0	9082.4	9095.7	9100.0	9104.3	9109.1	9113.4	8881.6
60°	9205.3	9530.2	9503.4	9477.2	9450.5	9424.3	9384.2	9344.0	9303.8	9263.7	9114.0
62.5°	9313.6	9560.6	9519.2	9478.5	9437.1	9396.3	9362.2	9328.8	9294.7	9260.6	9165.1
65°	9079.3	9179.1	9136.5	9093.9	9050.7	9008.1	8986.2	8964.9	8943.0	8921.1	8909.0
67.5°	7868.5	7815.6	7866.1	7916.6	7967.1	8017.6	8086.3	8155.1	8224.4	8293.2	8253.0
70°	6283.5	6149.0	6205.0	6260.4	6316.3	6371.7	6475.8	6579.8	6684.5	6788.5	6760.5
72.5°	4798.3	4627.9	4635.8	4643.7	4652.2	4660.1	4657.1	4654.7	4651.6	4648.6	4697.2
75°	3542.4	3378.7	3301.5	3224.2	3146.9	3069.6	3050.8	3031.9	3013.1	2994.2	3084.9
77.5°	2547.6	2434.4	2381.5	2329.2	2276.2	2223.9	2250.7	2277.4	2304.8	2331.6	2363.2
80°	2082.1	2107.1	2066.3	2026.1	1985.4	1944.6	1975.0	2004.8	2035.3	2065.7	1971.4
82.5°	1358.7	1395.8	1270.4	1145.1	1019.8	894.4	970.5	1046.5	1123.2	1199.3	1160.3
85°	528.7	470.9	401.6	332.8	263.5	194.1	252.5	310.9	369.3	427.7	466.7
87.5°	34.1	26.8	21.3	15.8	9.7	4.3	9.1	14.0	19.5	24.3	40.8
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: P596729
 CATALOG NUMBER: MSA-SA3D-827-U-SLR-HSS

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: P596729

CATALOG NUMBER: MSA-SA3D-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3
2.5°	1622.1	1602.1	1582.6	1544.3	1505.9	1467.6	1429.3	1482.8	1536.3	1589.9	1643.4
5°	2177.6	2163.7	2150.3	2153.9	2157.6	2161.8	2165.5	2173.4	2181.3	2188.6	2196.5
7.5°	2497.7	2496.5	2495.3	2467.3	2439.3	2410.7	2382.7	2396.7	2410.7	2424.7	2438.7
10°	2676.6	2665.0	2653.5	2592.0	2530.6	2468.5	2407.0	2380.3	2352.9	2326.1	2299.3
12.5°	2903.5	2865.2	2827.5	2761.8	2696.7	2630.9	2565.2	2540.9	2515.9	2491.6	2466.7
15°	3000.9	2994.8	2989.3	2942.5	2895.0	2848.2	2800.7	2717.3	2633.4	2550.0	2466.7
17.5°	2879.2	2864.0	2849.4	2923.6	2997.2	3071.5	3145.7	3059.3	2972.9	2886.5	2800.1
20°	2809.2	2797.7	2786.1	2924.2	3061.7	3199.8	3337.4	3299.0	3260.1	3221.8	3183.4
22.5°	2806.2	2859.1	2911.4	3032.5	3153.0	3274.1	3394.6	3460.9	3527.8	3594.1	3660.4
25°	2850.6	2926.7	3002.1	3202.9	3403.7	3605.1	3805.9	3881.9	3957.4	4033.4	4108.9
27.5°	2996.6	3118.9	3240.6	3415.8	3591.1	3766.9	3942.2	4108.3	4275.0	4441.1	4607.2
30°	3123.8	3256.4	3389.1	3597.8	3805.9	4014.6	4222.7	4430.7	4638.8	4846.9	5055.0
32.5°	3197.4	3384.8	3571.6	3825.3	4078.5	4332.2	4585.9	4814.1	5042.2	5269.8	5498.0
35°	3506.5	3675.0	3843.0	4123.5	4404.0	4685.1	4965.6	5247.9	5530.2	5811.9	6094.3
37.5°	3755.4	3941.6	4127.1	4433.8	4739.8	5046.5	5353.2	5743.2	6133.8	6523.8	6913.8
40°	4080.3	4242.7	4405.2	4692.4	4979.0	5266.1	5553.3	6048.0	6542.7	7036.7	7531.4
42.5°	4499.5	4653.4	4807.4	5114.6	5421.9	5729.2	6036.4	6584.1	7131.7	7678.7	8226.3
45°	5055.0	5212.0	5368.4	5613.0	5857.6	6102.2	6346.8	6929.0	7510.7	8093.0	8674.7
47.5°	5863.6	5864.3	5864.9	6041.3	6217.8	6394.8	6571.3	7157.8	7743.8	8330.3	8916.3
50°	6470.3	6450.8	6431.9	6523.2	6613.9	6705.1	6796.4	7336.1	7876.4	8416.1	8955.8
52.5°	7338.5	7168.8	6999.6	7053.8	7107.3	7161.5	7215.0	7672.0	8129.5	8586.5	9043.4
55°	8056.5	7884.9	7713.3	7693.3	7673.2	7653.1	7633.0	8053.5	8473.9	8894.3	9314.8
57.5°	8650.4	8418.5	8187.3	8141.1	8095.5	8049.2	8003.0	8446.5	8889.5	9333.0	9776.0
60°	8964.9	8815.2	8665.6	8635.8	8605.3	8575.5	8545.1	8909.0	9272.8	9636.7	10000.5
62.5°	9070.2	8974.7	8879.7	8935.7	8991.7	9048.3	9104.3	9264.3	9423.7	9583.7	9743.1
65°	8897.4	8885.2	8873.1	8988.0	9102.4	9217.4	9332.4	9292.9	9252.7	9213.2	9173.6
67.5°	8213.5	8173.3	8133.8	8386.3	8638.2	8890.7	9143.2	8951.5	8759.3	8567.6	8375.9
70°	6732.5	6703.9	6675.9	7039.8	7403.6	7768.1	8132.0	7899.5	7667.1	7434.7	7202.2
72.5°	4745.3	4794.0	4842.7	5271.6	5700.0	6128.9	6557.3	6323.0	6088.8	5854.5	5620.3
75°	3174.9	3265.6	3356.2	3798.0	4239.7	4682.0	5123.8	4848.8	4573.7	4298.7	4023.7
77.5°	2394.9	2426.5	2458.1	2737.4	3016.7	3296.6	3575.9	3348.9	3121.4	2894.4	2666.8
80°	1877.1	1782.2	1687.8	1779.7	1871.6	1963.5	2055.4	1919.7	1784.0	1648.9	1513.2
82.5°	1121.4	1082.4	1043.5	1093.4	1142.7	1192.6	1242.5	1184.0	1125.0	1066.6	1007.6
85°	505.0	544.0	582.3	632.8	682.7	733.2	783.7	702.2	620.6	539.1	457.6
87.5°	56.6	73.0	89.4	110.7	132.0	153.3	174.6	136.3	97.4	59.0	20.7
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: P596729
 CATALOG NUMBER: MSA-SA3D-827-U-SLR-HSS

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: P596729
 CATALOG NUMBER: MSA-SA3D-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1286.3	1286.3
2.5°	1674.5	1705.5
5°	2195.9	2194.7
7.5°	2402.2	2365.1
10°	2265.3	2231.2
12.5°	2379.7	2292.6
15°	2401.0	2335.2
17.5°	2693.0	2585.3
20°	3045.3	2906.6
22.5°	3470.6	3280.2
25°	3882.5	3656.2
27.5°	4471.5	4335.2
30°	4917.5	4779.4
32.5°	5404.3	5310.6
35°	6001.2	5907.5
37.5°	6938.2	6961.9
40°	7546.0	7560.6
42.5°	8282.9	8339.4
45°	8738.0	8801.3
47.5°	9004.5	9092.7
50°	9098.2	9240.6
52.5°	9219.3	9394.5
55°	9510.1	9705.4
57.5°	9931.8	10087.5
60°	10007.8	10015.1
62.5°	9630.6	9518.0
65°	9053.8	8933.9
67.5°	8303.5	8230.5
70°	7106.1	7010.0
72.5°	5441.4	5262.5
75°	3802.2	3580.7
77.5°	2550.6	2434.4
80°	1516.9	1519.9
82.5°	1035.6	1063.0
85°	452.1	446.0
87.5°	14.6	7.9
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: P596729
CATALOG NUMBER: MSA-SA3D-827-U-SLR-HSS

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)