

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: P368063

Luminaire Tested: **MSA-SA3D-727-U-SLR-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P368063
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-25)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: MSA-SA3D-727-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: 12143 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

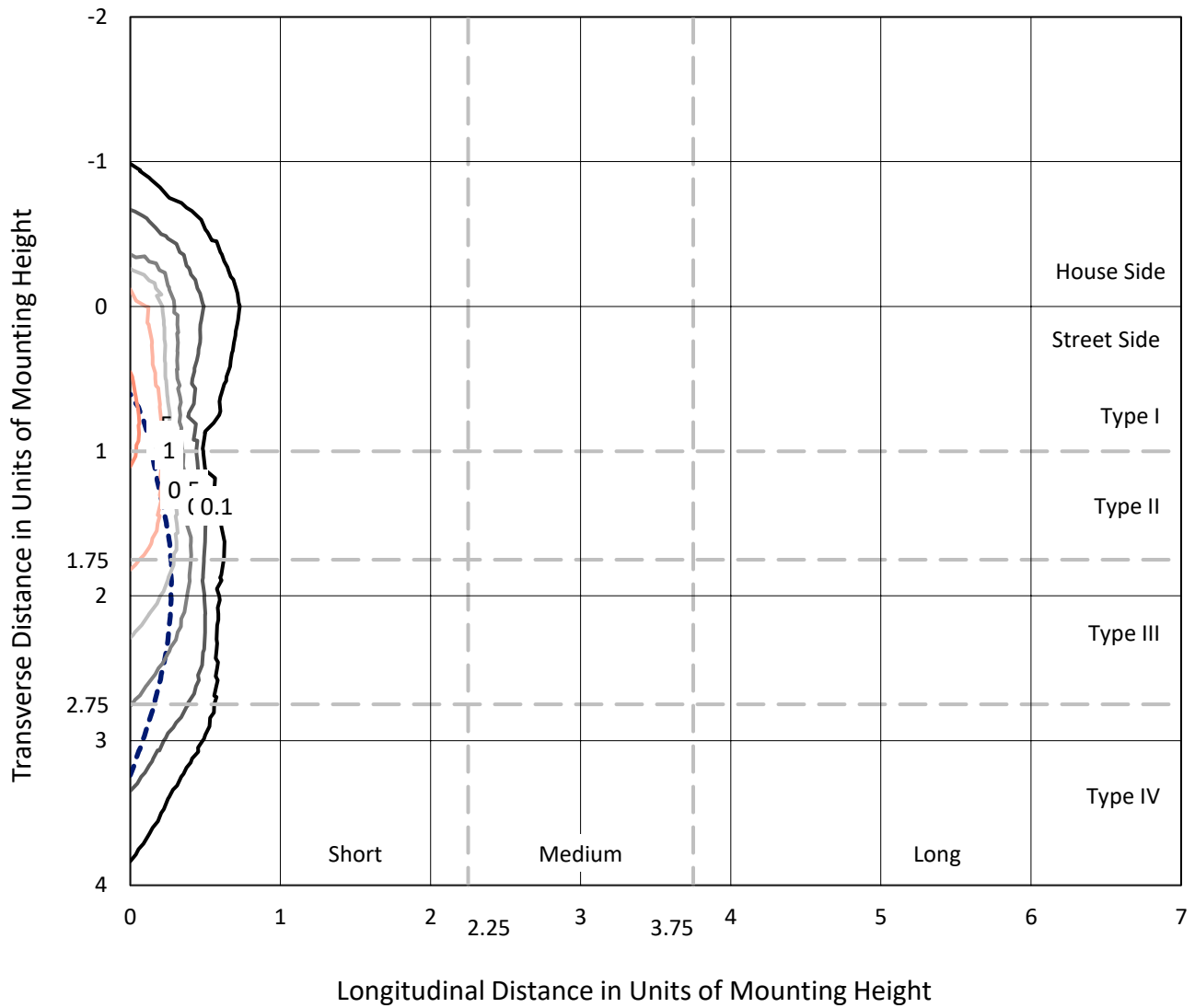
Input Watts (W): 192
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P368063
 CATALOG NUMBER: MSA-SA3D-727-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination

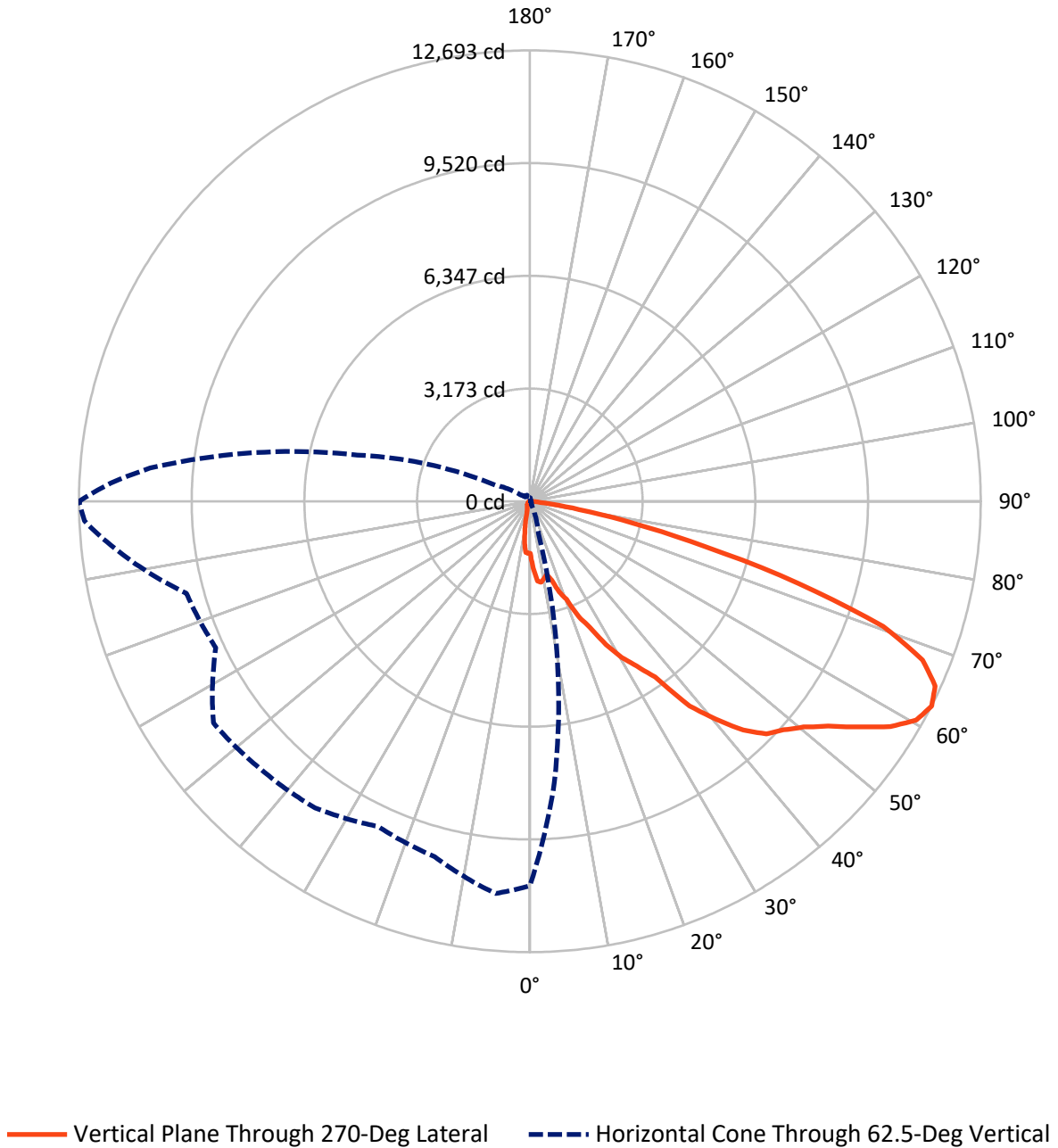
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P368063
CATALOG NUMBER: MSA-SA3D-727-U-SLR-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P368063
 CATALOG NUMBER: MSA-SA3D-727-U-SLR-HSS

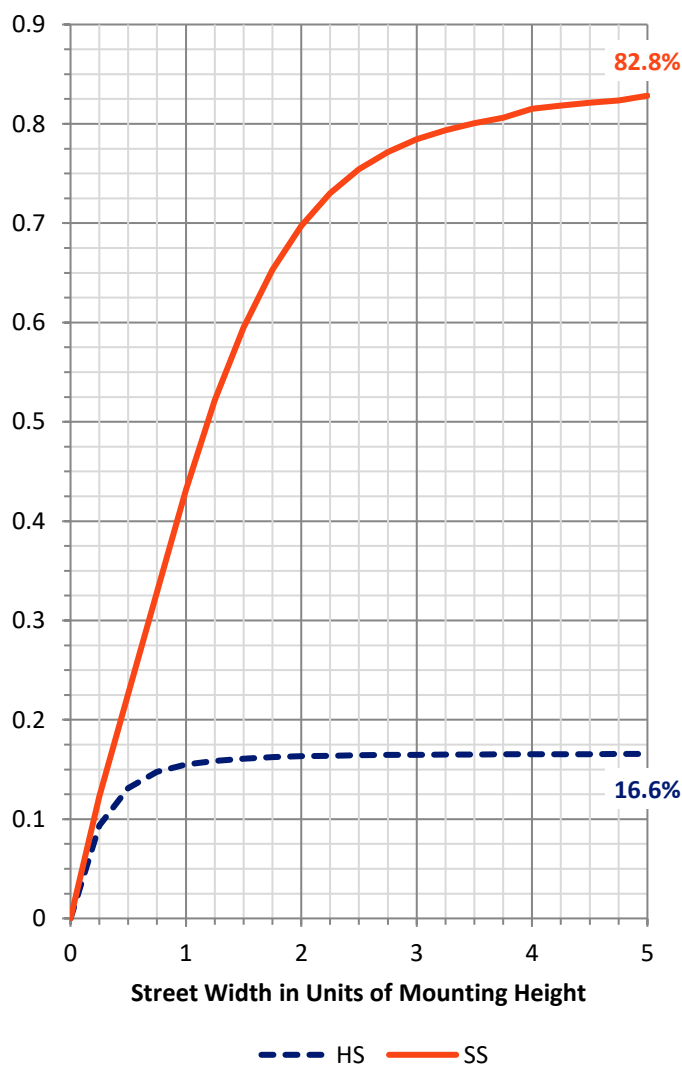
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2027.7	0.0	2027.7
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	10115.3	0.0	10115.3
	% Fixture	83.3	0.0	83.3
Total	Lumens	12143.0	0.0	12143.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.5	1.3
10°-20°	427.1	3.5
20°-30°	690.3	5.7
30°-40°	1156.1	9.5
40°-50°	1890.0	15.6
50°-60°	2797.8	23.0
60°-70°	3212.0	26.5
70°-80°	1588.1	13.1
80°-90°	218.1	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°	12143.0	100.0
0°-180°	12143.0	100.0

Coefficient of Utilization

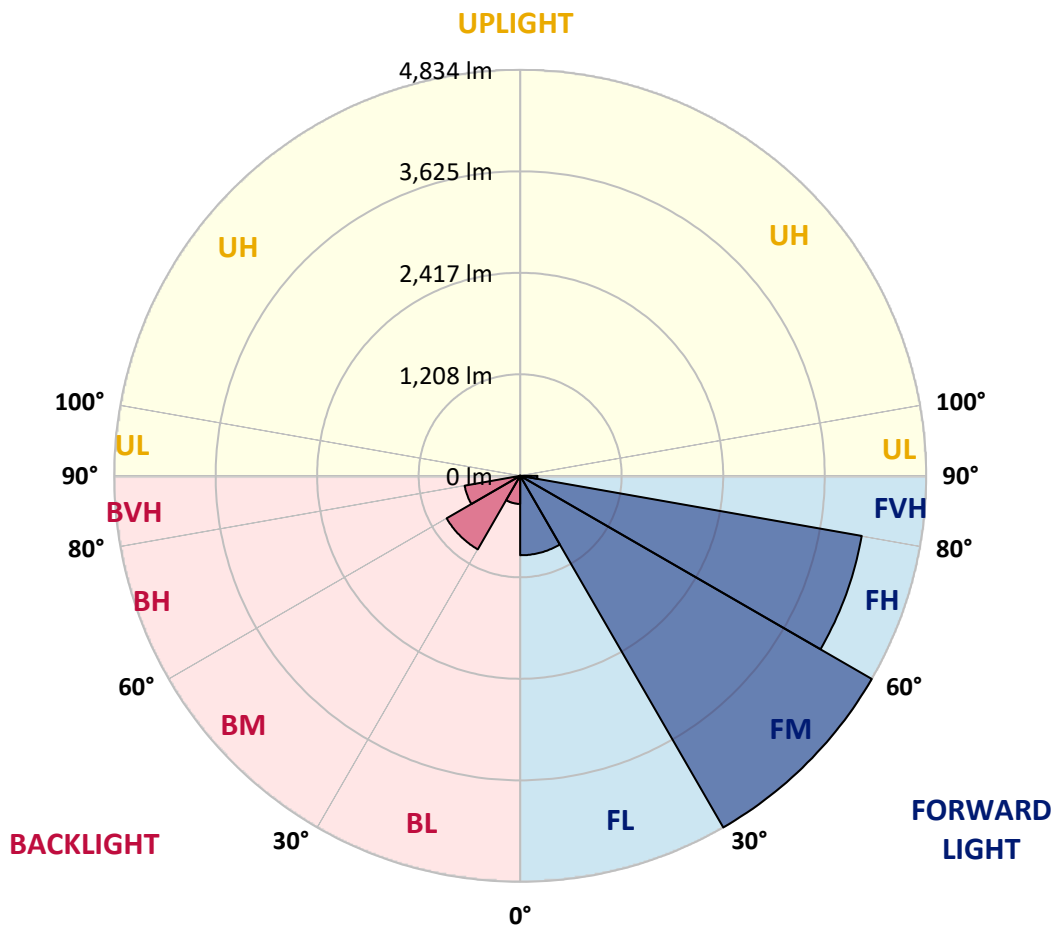


REPORT NUMBER: P368063
 CATALOG NUMBER: MSA-SA3D-727-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	946.0	7.8			
FM (30°-60°)	4833.5	39.8			
FH (60°-80°)	4129.2	34.0			G2/5000
FVH (80°-90°)	206.5	1.7			G2/225
BL (0°-30°)	334.8	2.8	B1/500		
BM (30°-60°)	1010.4	8.3	B2/2500		
BH (60°-80°)	670.9	5.5	B2/1000		G2/1000
BVH (80°-90°)	11.6	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





REPORT NUMBER: P368063

CATALOG NUMBER: MSA-SA3D-727-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3
2.5°	1940.2	1964.4	1988.0	1943.0	1898.0	1853.0	1808.0	1767.9	1727.7	1686.9	1646.7
5°	2496.7	2452.4	2408.1	2347.2	2286.3	2225.4	2164.5	2136.1	2107.7	2079.3	2051.0
7.5°	2690.5	2611.6	2532.0	2478.0	2424.7	2370.7	2316.8	2231.6	2145.8	2060.6	1974.8
10°	2538.3	2454.5	2370.1	2323.0	2275.9	2228.8	2181.8	2075.9	1969.3	1863.4	1756.8
12.5°	2608.2	2517.5	2426.8	2329.9	2233.0	2136.1	2039.2	1958.2	1876.5	1795.5	1713.9
15°	2656.6	2552.8	2448.3	2337.5	2226.8	2116.0	2005.3	1909.8	1814.9	1719.4	1623.9
17.5°	2941.1	2792.3	2643.5	2473.2	2302.9	2132.6	1962.4	1851.6	1741.5	1630.8	1520.0
20°	3306.6	3095.5	2883.7	2653.2	2422.7	2192.2	1961.7	1823.9	1686.2	1548.4	1410.7
22.5°	3731.6	3467.9	3203.5	2919.0	2635.2	2350.7	2066.2	1868.2	1670.3	1472.3	1274.3
25°	4159.4	3921.3	3683.1	3300.4	2917.6	2534.1	2151.3	1900.1	1648.1	1396.8	1144.9
27.5°	4931.8	4506.2	4080.5	3593.2	3106.5	2619.2	2131.9	1844.0	1556.0	1267.4	979.4
30°	5437.1	5109.7	4781.6	4137.9	3494.9	2851.1	2207.4	1842.6	1477.8	1112.3	747.6
32.5°	6041.4	5562.4	5082.7	4384.3	3685.9	2987.5	2289.1	1860.6	1431.4	1003.0	573.8
35°	6720.5	6199.2	5678.0	4793.4	3908.8	3023.5	2138.9	1723.6	1308.2	892.9	477.6
37.5°	7920.0	7047.9	6175.7	5144.4	4112.3	3080.9	2048.9	1634.3	1218.9	804.3	389.0
40°	8601.1	7768.4	6935.7	5646.9	4358.0	3069.2	1780.3	1412.1	1044.5	676.3	308.0
42.5°	9487.1	8430.9	7373.9	5933.4	4493.0	3052.6	1612.1	1271.6	931.0	589.7	249.2
45°	10012.5	8815.7	7618.9	6058.0	4497.2	2936.3	1375.4	1080.5	785.6	490.8	195.9
47.5°	10344.1	9143.8	7943.6	6267.8	4592.7	2916.9	1241.1	969.8	698.4	427.1	155.7
50°	10512.3	9308.6	8104.2	6382.0	4659.8	2937.0	1214.8	944.8	674.2	404.2	133.6
52.5°	10687.4	9526.6	8365.1	6580.0	4794.8	3009.6	1224.5	949.0	674.2	398.7	123.2
55°	11041.1	9896.2	8750.7	6863.8	4976.8	3089.9	1203.0	931.7	660.3	388.3	117.0
57.5°	11475.8	10252.0	9027.5	7071.4	5115.3	3159.2	1203.0	930.3	657.6	384.2	111.4
60°	11393.4	10065.1	8736.1	6838.1	4940.2	3041.5	1143.5	883.9	625.0	365.5	105.9
62.5°	10827.9	9386.1	7943.6	6189.6	4434.9	2680.8	926.1	719.2	512.2	304.6	97.6
65°	10163.4	8633.0	7101.9	5487.7	3872.8	2258.6	643.7	505.3	366.2	227.7	88.6
67.5°	9363.2	7731.1	6098.9	4663.3	3228.4	1792.8	357.2	288.0	218.7	148.8	79.6
70°	7974.7	6289.9	4604.4	3501.1	2398.4	1295.1	191.7	162.0	132.2	102.4	72.7
72.5°	5986.7	4443.2	2899.6	2202.5	1506.2	809.2	112.1	101.1	89.3	78.2	66.5
75°	4073.5	2916.9	1760.2	1340.1	920.6	500.5	80.3	74.8	68.5	63.0	56.8
77.5°	2769.4	2003.2	1236.9	944.1	651.4	358.6	65.8	62.3	58.8	54.7	51.2
80°	1729.1	1183.6	638.2	491.5	344.0	197.3	49.8	47.8	45.7	42.9	40.8
82.5°	1209.3	723.3	237.4	185.5	133.6	81.0	29.1	29.8	30.5	30.5	31.1
85°	507.4	274.1	40.8	34.6	28.4	22.2	15.9	17.3	19.4	20.8	22.2
87.5°	9.0	4.8	0.0	1.4	3.5	4.8	6.2	8.3	9.7	11.8	13.2
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: P368063
 CATALOG NUMBER: MSA-SA3D-727-U-SLR-HSS

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



REPORT NUMBER: P368063

CATALOG NUMBER: MSA-SA3D-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3
2.5°	1657.1	1667.5	1677.2	1687.6	1679.3	1671.6	1663.3	1655.0	1642.6	1630.8	1618.3
5°	2016.3	1981.7	1947.1	1912.5	1859.9	1807.3	1754.0	1701.4	1695.2	1688.9	1682.0
7.5°	1893.8	1812.8	1731.2	1650.2	1574.0	1497.9	1421.8	1345.6	1322.1	1299.2	1275.7
10°	1694.5	1632.2	1569.2	1506.9	1452.2	1396.8	1342.2	1286.8	1229.3	1171.9	1113.7
12.5°	1648.8	1583.7	1518.0	1452.9	1403.1	1353.2	1303.4	1253.6	1189.2	1124.8	1060.4
15°	1553.3	1482.7	1412.1	1341.5	1275.0	1208.6	1141.4	1075.0	997.4	919.9	842.4
17.5°	1436.3	1353.2	1269.5	1185.7	1098.5	1011.3	924.1	836.9	747.6	659.0	569.7
20°	1297.2	1183.6	1069.4	955.9	847.9	740.0	631.3	523.3	467.2	411.9	355.8
22.5°	1127.6	980.1	833.4	686.0	597.4	508.1	419.5	330.2	305.9	281.7	257.5
25°	978.1	811.2	644.4	477.6	421.5	365.5	309.4	253.3	242.3	230.5	219.4
27.5°	822.3	665.9	508.8	351.6	319.8	287.3	255.4	222.9	215.3	208.3	200.7
30°	630.6	513.6	395.9	279.0	258.2	237.4	216.0	195.2	191.7	187.6	184.1
32.5°	488.7	402.9	317.7	231.9	220.1	208.3	196.6	184.8	179.3	173.7	167.5
35°	408.4	339.9	270.6	201.4	193.1	184.1	175.8	166.8	161.3	155.1	149.5
37.5°	338.5	288.6	238.1	187.6	178.6	169.6	159.9	150.9	146.7	142.6	138.4
40°	279.0	249.9	220.8	191.7	178.6	165.4	152.3	139.1	135.7	132.2	128.7
42.5°	230.5	211.8	192.4	173.7	164.0	155.1	145.4	135.7	130.8	125.3	120.4
45°	186.2	175.8	166.1	155.7	156.4	157.1	157.1	157.8	145.4	132.2	119.7
47.5°	150.9	146.1	140.5	135.7	141.2	146.7	151.6	157.1	144.0	130.8	117.0
50°	129.4	126.0	121.8	117.7	123.2	129.4	135.0	140.5	135.0	130.1	124.6
52.5°	118.4	113.5	108.7	103.8	105.9	108.7	110.8	112.8	112.8	112.8	112.8
55°	111.4	106.6	101.1	95.5	93.4	90.7	88.6	85.8	82.4	79.6	76.1
57.5°	105.9	100.4	94.1	88.6	85.1	81.0	77.5	73.4	69.9	65.8	62.3
60°	100.4	94.8	88.6	83.1	79.6	76.1	72.0	68.5	64.4	60.9	56.8
62.5°	92.8	87.9	83.1	78.2	74.8	72.0	68.5	65.1	60.9	56.8	51.9
65°	84.4	81.0	76.8	72.7	69.2	65.8	62.3	58.8	54.7	51.2	47.1
67.5°	76.8	73.4	70.6	67.1	63.0	59.5	55.4	51.2	48.5	45.7	42.2
70°	70.6	67.8	65.8	63.0	58.8	55.4	51.2	47.1	45.0	42.2	40.1
72.5°	64.4	62.3	59.5	57.5	54.0	50.5	47.1	43.6	41.5	39.5	37.4
75°	55.4	54.0	52.6	51.2	47.8	44.3	40.1	36.7	36.0	35.3	34.6
77.5°	49.8	49.1	47.8	46.4	42.9	39.5	36.0	32.5	33.2	33.9	33.9
80°	40.8	40.8	40.1	40.1	37.4	34.6	31.1	28.4	29.8	31.8	33.2
82.5°	31.1	31.1	31.1	31.1	28.4	25.6	22.8	20.1	22.2	23.5	25.6
85°	21.5	20.8	20.1	19.4	17.3	15.9	13.8	11.8	14.5	16.6	19.4
87.5°	13.2	13.8	13.8	13.8	12.5	10.4	9.0	6.9	8.3	9.0	10.4
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: P368063
 CATALOG NUMBER: MSA-SA3D-727-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: P368063

CATALOG NUMBER: MSA-SA3D-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3
2.5°	1605.9	1585.1	1564.3	1542.9	1522.1	1473.7	1425.2	1376.8	1328.3	1364.3	1399.6
5°	1675.8	1635.6	1594.8	1554.7	1513.8	1495.8	1478.5	1460.5	1442.5	1445.3	1448.8
7.5°	1252.2	1225.9	1199.6	1172.6	1146.3	1140.7	1135.9	1130.3	1124.8	1136.6	1147.7
10°	1056.3	1019.6	982.2	945.5	908.2	888.1	868.0	847.9	827.9	825.8	823.0
12.5°	996.1	940.0	884.6	828.6	772.5	728.9	685.3	641.7	598.1	601.5	605.0
15°	764.9	708.8	653.4	597.4	541.3	506.0	470.0	434.7	398.7	388.3	377.9
17.5°	480.4	438.8	397.3	355.1	313.6	301.8	290.7	279.0	267.2	263.7	260.3
20°	299.7	281.7	263.7	245.0	227.0	224.3	221.5	218.7	216.0	218.0	220.1
22.5°	233.3	225.7	217.3	209.7	201.4	198.7	195.9	193.1	190.4	192.4	193.8
25°	207.7	202.1	196.6	191.0	185.5	182.7	179.3	176.5	173.0	174.4	176.5
27.5°	193.1	188.3	183.4	178.6	173.7	168.9	164.7	159.9	155.1	157.8	159.9
30°	180.0	174.4	169.6	164.0	158.5	153.7	148.8	143.3	138.4	141.2	144.0
32.5°	162.0	157.1	151.6	146.7	141.2	138.4	135.7	132.2	129.4	131.5	132.9
35°	143.3	139.1	135.7	131.5	127.4	124.6	122.5	119.7	117.0	117.7	119.1
37.5°	134.3	129.4	124.6	119.7	114.9	113.5	112.1	110.1	108.7	108.7	108.7
40°	125.3	120.4	115.6	110.1	105.2	103.1	101.1	99.0	96.9	96.9	96.9
42.5°	114.9	110.1	105.2	100.4	95.5	93.4	90.7	88.6	85.8	85.8	85.8
45°	106.6	101.8	97.6	92.8	87.9	84.4	81.0	76.8	73.4	72.7	72.0
47.5°	103.8	96.9	90.0	83.1	76.1	72.7	69.2	65.1	61.6	60.9	60.2
50°	119.1	105.2	91.4	77.5	63.7	60.9	58.1	55.4	52.6	51.2	50.5
52.5°	112.8	98.3	83.8	69.2	54.7	52.6	50.5	48.5	46.4	45.0	43.6
55°	72.7	66.5	60.9	54.7	48.5	47.1	45.7	43.6	42.2	40.8	39.5
57.5°	58.1	54.7	51.9	48.5	45.0	43.6	42.2	40.1	38.8	36.7	35.3
60°	52.6	49.8	47.1	44.3	41.5	40.1	38.8	37.4	36.0	33.9	32.5
62.5°	47.8	45.7	43.6	41.5	39.5	38.1	36.7	35.3	33.9	31.8	29.8
65°	42.9	41.5	40.1	38.8	37.4	36.0	34.6	32.5	31.1	29.1	27.0
67.5°	39.5	38.8	38.1	37.4	36.7	35.3	33.2	31.8	29.8	27.7	24.9
70°	37.4	37.4	37.4	36.7	36.7	35.3	33.2	31.8	29.8	27.0	24.9
72.5°	35.3	36.0	36.7	36.7	37.4	35.3	33.2	31.1	29.1	26.3	24.2
75°	33.9	34.6	35.3	35.3	36.0	34.6	33.2	31.1	29.8	27.0	24.2
77.5°	34.6	35.3	35.3	36.0	36.0	34.6	33.2	31.1	29.8	26.3	22.8
80°	34.6	33.9	33.2	31.8	31.1	28.4	25.6	22.2	19.4	15.2	11.8
82.5°	27.0	25.6	24.9	23.5	22.2	19.4	16.6	13.8	11.1	8.3	5.5
85°	21.5	20.1	19.4	18.0	16.6	14.5	11.8	9.7	6.9	5.5	3.5
87.5°	11.1	10.4	9.0	8.3	6.9	5.5	3.5	2.1	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: P368063
 CATALOG NUMBER: MSA-SA3D-727-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: P368063
 CATALOG NUMBER: MSA-SA3D-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3
2.5°	1435.6	1470.9	1466.1	1461.2	1484.1	1506.9	1490.3	1474.4	1457.8	1441.1	1406.5
5°	1451.5	1454.3	1449.4	1443.9	1444.6	1445.3	1434.2	1423.1	1412.1	1401.0	1398.9
7.5°	1159.4	1170.5	1185.7	1200.3	1200.9	1200.9	1192.6	1184.3	1175.3	1167.0	1171.2
10°	820.9	818.2	822.3	826.5	825.8	824.4	846.5	868.7	890.2	912.3	896.4
12.5°	607.7	611.2	593.9	576.6	582.8	588.4	591.8	595.3	598.7	602.2	611.9
15°	367.6	357.2	344.7	332.3	338.5	344.0	350.2	355.8	362.0	367.6	373.8
17.5°	256.1	252.6	247.1	240.9	241.6	242.3	243.0	243.7	243.7	244.3	245.7
20°	222.2	224.3	220.1	215.3	213.9	211.8	210.4	209.0	207.0	205.6	203.5
22.5°	195.9	197.3	198.0	198.0	195.2	191.7	189.0	186.9	184.1	181.4	180.0
25°	177.9	179.3	177.9	175.8	174.4	173.0	171.7	169.6	168.2	166.1	165.4
27.5°	162.7	164.7	164.7	164.0	162.7	160.6	157.1	154.4	150.9	147.4	148.1
30°	146.7	149.5	149.5	148.8	148.1	147.4	144.0	140.5	137.1	133.6	135.0
32.5°	135.0	136.4	135.7	135.0	135.0	134.3	131.5	129.4	126.7	123.9	123.9
35°	119.7	120.4	120.4	120.4	120.4	119.7	117.7	115.6	113.5	111.4	112.1
37.5°	108.7	108.7	110.8	112.1	110.8	109.4	108.0	105.9	104.5	102.4	102.4
40°	96.2	96.2	98.3	99.7	98.3	96.9	96.2	94.8	94.1	92.8	92.8
42.5°	85.1	85.1	87.2	88.6	88.6	87.9	86.5	85.1	83.8	82.4	83.1
45°	71.3	70.6	74.1	76.8	75.4	74.1	74.1	73.4	73.4	72.7	73.4
47.5°	58.8	58.1	60.9	63.7	63.0	61.6	61.6	61.6	61.6	61.6	62.3
50°	49.1	47.8	50.5	52.6	51.9	50.5	50.5	51.2	51.2	51.2	51.9
52.5°	42.2	40.8	42.9	44.3	43.6	42.9	42.9	43.6	43.6	43.6	44.3
55°	37.4	36.0	38.1	39.5	38.8	37.4	38.1	38.1	38.8	38.8	38.8
57.5°	33.2	31.1	32.5	33.9	33.9	33.2	33.9	33.9	34.6	34.6	34.6
60°	30.5	28.4	29.8	30.5	30.5	29.8	30.5	30.5	31.1	31.1	31.1
62.5°	27.0	24.9	26.3	27.0	27.0	26.3	27.0	27.0	27.7	27.7	27.7
65°	24.2	22.2	22.8	23.5	23.5	23.5	24.2	24.2	24.9	24.9	24.9
67.5°	22.8	20.1	20.8	21.5	21.5	21.5	22.2	22.2	22.8	22.8	23.5
70°	22.2	19.4	20.1	20.1	20.8	20.8	20.8	21.5	21.5	21.5	21.5
72.5°	21.5	18.7	18.7	18.7	19.4	19.4	19.4	20.1	20.1	20.1	20.1
75°	21.5	18.7	18.0	17.3	18.0	18.0	18.0	18.7	18.7	18.7	18.7
77.5°	18.7	15.2	13.8	11.8	13.8	15.2	15.9	15.9	16.6	16.6	16.6
80°	7.6	3.5	2.1	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.8
82.5°	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.1	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: P368063
 CATALOG NUMBER: MSA-SA3D-727-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: P368063
 CATALOG NUMBER: MSA-SA3D-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3
2.5°	1371.9	1337.3	1302.7	1319.3	1335.9	1352.5	1369.2	1367.8	1365.7	1364.3	1362.2
5°	1397.5	1395.5	1393.4	1383.7	1374.7	1365.0	1355.3	1353.2	1350.5	1348.4	1345.6
7.5°	1175.3	1178.8	1183.0	1171.9	1160.8	1149.7	1138.7	1110.3	1081.9	1052.8	1024.4
10°	880.5	863.9	847.9	846.5	845.2	843.8	842.4	839.6	836.9	833.4	830.6
12.5°	622.3	632.0	641.7	638.2	634.7	630.6	627.1	632.0	637.5	642.4	647.2
15°	379.3	385.5	391.1	403.5	416.0	428.5	440.9	445.8	451.3	456.2	461.0
17.5°	247.1	247.8	249.2	263.0	276.2	290.0	303.2	312.2	321.2	329.5	338.5
20°	201.4	199.4	197.3	204.9	212.5	220.1	227.7	236.0	244.3	252.6	261.0
22.5°	179.3	177.9	176.5	179.3	182.0	184.1	186.9	193.1	200.0	206.3	212.5
25°	164.7	163.4	162.7	164.0	165.4	166.8	168.2	171.7	175.1	178.6	182.0
27.5°	148.1	148.8	148.8	150.2	150.9	152.3	153.0	154.4	156.4	157.8	159.2
30°	135.7	137.1	137.7	139.1	139.8	141.2	141.9	141.2	140.5	139.8	139.1
32.5°	123.9	123.2	123.2	124.6	125.3	126.7	127.4	128.7	130.1	130.8	132.2
35°	112.1	112.8	112.8	112.8	113.5	113.5	113.5	114.9	117.0	118.4	119.7
37.5°	101.8	101.8	101.1	103.1	104.5	106.6	108.0	109.4	111.4	112.8	114.2
40°	92.8	92.8	92.8	94.1	95.5	96.2	97.6	101.1	104.5	108.0	111.4
42.5°	83.1	83.8	83.8	85.1	86.5	87.2	88.6	91.4	93.4	96.2	98.3
45°	74.1	74.8	75.4	76.8	77.5	78.9	79.6	81.0	81.7	83.1	83.8
47.5°	63.7	64.4	65.1	66.5	67.1	68.5	69.2	68.5	68.5	67.8	67.1
50°	53.3	54.0	54.7	56.8	58.1	60.2	61.6	60.2	58.8	56.8	55.4
52.5°	45.0	45.0	45.7	47.1	48.5	49.1	50.5	49.8	49.1	48.5	47.8
55°	38.8	38.8	38.8	39.5	40.1	40.8	41.5	42.2	42.2	42.9	42.9
57.5°	34.6	33.9	33.9	34.6	35.3	35.3	36.0	36.7	36.7	37.4	37.4
60°	31.1	30.5	30.5	31.1	31.8	32.5	33.2	33.2	33.2	32.5	32.5
62.5°	27.7	27.7	27.7	28.4	28.4	29.1	29.1	29.1	29.8	29.8	29.8
65°	25.6	25.6	25.6	25.6	25.6	24.9	24.9	25.6	25.6	26.3	26.3
67.5°	23.5	24.2	24.2	23.5	22.8	22.2	21.5	22.2	22.2	22.8	22.8
70°	21.5	21.5	21.5	20.8	20.1	19.4	18.7	18.7	18.7	18.0	18.0
72.5°	20.1	19.4	19.4	18.7	17.3	16.6	15.2	14.5	14.5	13.8	13.2
75°	18.7	18.0	18.0	16.6	15.2	13.8	12.5	11.8	10.4	9.7	8.3
77.5°	16.6	16.6	16.6	14.5	13.2	11.1	9.0	7.6	6.2	4.2	2.8
80°	5.5	6.2	6.9	6.2	6.2	5.5	4.8	3.5	2.8	1.4	0.0
82.5°	0.7	0.7	0.7	0.7	0.7	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: P368063
 CATALOG NUMBER: MSA-SA3D-727-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: P368063
 CATALOG NUMBER: MSA-SA3D-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3
2.5°	1369.8	1377.5	1385.1	1392.7	1393.4	1394.1	1394.8	1395.5	1378.1	1360.2	1342.8
5°	1359.5	1374.0	1387.8	1401.7	1394.1	1386.5	1378.8	1371.2	1370.5	1370.5	1369.8
7.5°	1026.5	1027.9	1030.0	1031.4	1034.1	1036.9	1039.0	1041.7	1052.8	1063.9	1074.3
10°	821.6	812.6	802.9	793.9	787.0	779.4	772.5	764.9	770.4	776.6	782.2
12.5°	639.6	632.0	623.7	616.0	613.3	610.5	607.1	604.3	622.3	640.3	657.6
15°	459.6	458.2	456.2	454.8	463.8	472.8	481.8	490.8	506.0	520.5	535.8
17.5°	341.9	345.4	348.9	352.3	357.9	363.4	368.2	373.8	384.9	396.6	407.7
20°	265.1	270.0	274.1	278.3	276.9	275.5	273.4	272.0	281.0	290.0	298.3
22.5°	216.7	220.1	224.3	227.7	228.4	229.1	229.8	230.5	236.0	240.9	246.4
25°	185.5	189.7	193.1	196.6	197.3	198.0	198.7	199.4	206.3	213.2	219.4
27.5°	164.0	168.2	173.0	177.2	178.6	180.0	181.4	182.7	186.9	190.4	194.5
30°	144.7	150.2	155.7	161.3	163.4	165.4	167.5	169.6	173.7	178.6	182.7
32.5°	135.0	138.4	141.2	144.0	148.8	153.0	157.8	162.0	166.8	172.4	177.2
35°	123.9	127.4	131.5	135.0	138.4	141.9	144.7	148.1	150.9	153.7	155.7
37.5°	117.0	120.4	123.2	126.0	127.4	128.7	129.4	130.8	132.2	133.6	134.3
40°	111.4	110.8	110.8	110.1	111.4	113.5	114.9	116.3	120.4	123.9	128.1
42.5°	96.9	94.8	93.4	91.4	94.8	97.6	101.1	103.8	109.4	114.9	120.4
45°	82.4	81.0	78.9	77.5	82.4	87.2	92.1	96.9	103.1	108.7	114.9
47.5°	67.8	68.5	68.5	69.2	74.1	78.9	83.1	87.9	94.1	100.4	106.6
50°	56.8	58.1	59.5	60.9	65.8	69.9	74.8	78.9	85.8	92.1	99.0
52.5°	49.8	51.9	53.3	55.4	59.5	64.4	68.5	72.7	78.9	85.1	91.4
55°	45.0	47.8	49.8	51.9	55.4	58.8	62.3	65.8	72.0	78.2	83.8
57.5°	39.5	41.5	43.6	45.7	49.1	52.6	55.4	58.8	64.4	70.6	76.1
60°	34.6	36.0	38.1	39.5	42.2	45.7	48.5	51.2	56.8	62.3	67.1
62.5°	30.5	31.8	32.5	33.2	36.0	38.8	41.5	44.3	49.1	54.7	59.5
65°	27.0	27.7	27.7	28.4	30.5	33.2	35.3	37.4	42.9	47.8	53.3
67.5°	22.8	23.5	23.5	23.5	25.6	27.7	29.8	31.8	36.7	42.2	47.1
70°	18.0	18.7	18.7	18.7	20.8	23.5	25.6	27.7	31.8	36.0	40.1
72.5°	13.8	13.8	14.5	14.5	16.6	19.4	21.5	23.5	27.0	30.5	33.9
75°	9.0	9.7	9.7	10.4	12.5	15.2	17.3	19.4	22.8	26.3	29.1
77.5°	3.5	4.8	5.5	6.2	8.3	10.4	12.5	14.5	17.3	20.8	23.5
80°	0.0	0.7	0.7	0.7	2.1	2.8	4.2	4.8	6.9	9.7	11.8
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: P368063
 CATALOG NUMBER: MSA-SA3D-727-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: P368063
 CATALOG NUMBER: MSA-SA3D-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3
2.5°	1324.9	1362.9	1401.0	1439.1	1477.1	1524.2	1571.3	1578.2	1585.1	1576.8	1569.2
5°	1369.2	1387.8	1405.8	1424.5	1442.5	1496.5	1549.8	1550.5	1550.5	1551.2	1551.2
7.5°	1085.4	1101.3	1117.2	1132.4	1148.3	1183.6	1218.9	1232.1	1244.6	1241.8	1239.0
10°	787.7	808.5	828.6	849.3	869.4	901.9	934.5	946.9	958.7	996.8	1035.5
12.5°	675.6	695.7	715.7	735.1	755.2	788.4	821.6	845.9	869.4	892.9	916.5
15°	550.3	566.2	582.8	598.7	614.7	629.9	645.1	674.9	704.0	727.5	751.0
17.5°	418.8	425.7	431.9	438.8	445.1	452.0	458.9	471.4	483.1	503.9	524.0
20°	307.3	312.9	318.4	323.3	328.8	335.7	342.6	351.6	359.9	364.8	368.9
22.5°	251.3	259.6	267.9	275.5	283.8	288.6	293.5	296.3	299.0	301.1	303.2
25°	226.3	234.0	240.9	248.5	255.4	257.5	259.6	265.1	270.6	270.6	270.6
27.5°	198.0	208.3	219.4	229.8	240.2	243.0	245.0	247.1	248.5	245.7	242.3
30°	186.9	197.3	207.7	217.3	227.7	231.9	235.3	237.4	239.5	236.0	232.6
32.5°	182.0	191.7	200.7	210.4	219.4	225.0	229.8	235.3	240.2	240.9	242.3
35°	158.5	164.7	171.7	177.9	184.1	186.9	189.7	191.7	193.1	193.1	193.1
37.5°	135.7	144.0	153.0	161.3	169.6	175.8	182.0	182.7	182.7	184.1	186.2
40°	131.5	139.8	148.1	155.7	164.0	171.0	177.2	177.9	178.6	180.0	181.4
42.5°	126.0	135.0	144.0	153.0	162.0	168.9	175.1	175.1	174.4	176.5	177.9
45°	120.4	129.4	137.7	146.7	155.1	164.0	172.4	170.3	167.5	171.0	173.7
47.5°	112.8	122.5	132.2	141.2	150.9	159.2	166.8	165.4	163.4	166.8	170.3
50°	105.2	114.9	124.6	134.3	144.0	153.0	161.3	159.9	158.5	162.7	166.1
52.5°	97.6	107.3	117.7	127.4	137.1	144.7	151.6	150.9	150.2	154.4	159.2
55°	90.0	99.0	108.7	117.7	126.7	135.0	142.6	141.2	139.8	143.3	146.7
57.5°	81.7	90.7	99.0	108.0	116.3	123.2	129.4	127.4	125.3	129.4	133.6
60°	72.7	81.0	89.3	96.9	105.2	110.8	115.6	114.2	112.1	116.3	120.4
62.5°	64.4	72.0	79.6	86.5	94.1	98.3	102.4	101.1	99.7	103.8	108.7
65°	58.1	64.4	69.9	76.1	81.7	85.8	90.0	87.9	85.8	90.7	94.8
67.5°	51.9	56.8	62.3	67.1	72.0	75.4	78.9	77.5	75.4	78.9	82.4
70°	44.3	49.1	54.0	58.1	63.0	66.5	69.9	67.8	65.1	68.5	72.0
72.5°	37.4	41.5	45.7	49.1	53.3	56.1	58.8	56.8	54.7	57.5	60.2
75°	32.5	36.0	39.5	42.2	45.7	47.1	48.5	47.8	46.4	49.1	51.2
77.5°	26.3	29.1	32.5	35.3	38.1	38.1	38.1	38.8	38.8	41.5	45.0
80°	13.8	16.6	19.4	21.5	24.2	24.2	23.5	24.9	25.6	29.1	32.5
82.5°	0.0	2.1	4.2	6.2	8.3	7.6	6.2	6.9	6.9	8.3	9.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4
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: P368063
 CATALOG NUMBER: MSA-SA3D-727-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: P368063

CATALOG NUMBER: MSA-SA3D-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3
2.5°	1560.9	1552.6	1547.0	1542.2	1536.7	1531.1	1538.0	1545.0	1551.2	1558.1	1578.9
5°	1551.9	1551.9	1547.0	1542.2	1537.4	1532.5	1542.9	1552.6	1563.0	1572.7	1572.0
7.5°	1235.6	1232.8	1261.9	1290.2	1319.3	1347.7	1355.3	1362.9	1369.8	1377.5	1375.4
10°	1073.6	1111.7	1124.1	1136.6	1149.0	1161.5	1176.7	1192.0	1207.2	1222.4	1227.9
12.5°	940.0	963.5	1003.7	1043.1	1083.3	1122.7	1142.8	1163.6	1183.6	1203.7	1243.2
15°	774.6	798.1	832.7	867.3	901.9	936.5	968.4	1000.9	1032.7	1064.6	1112.3
17.5°	544.8	564.8	591.1	617.4	643.0	669.3	718.5	767.6	816.8	865.9	916.5
20°	373.8	377.9	390.4	403.5	416.0	428.5	472.8	517.8	562.1	606.4	672.8
22.5°	304.6	306.6	312.9	319.1	324.6	330.9	353.7	377.2	400.1	422.9	476.9
25°	270.0	270.0	274.1	278.3	282.4	286.6	299.0	311.5	323.3	335.7	370.3
27.5°	239.5	236.0	242.3	248.5	254.7	261.0	270.0	279.6	288.6	297.6	321.2
30°	229.1	225.7	233.3	240.9	248.5	256.1	265.1	274.1	282.4	291.4	307.3
32.5°	243.0	243.7	246.4	249.2	251.3	254.0	258.2	263.0	267.2	271.3	285.2
35°	193.1	193.1	198.0	202.8	207.0	211.8	219.4	227.0	234.7	242.3	256.8
37.5°	187.6	189.0	193.1	198.0	202.1	206.3	216.0	226.3	236.0	245.7	257.5
40°	182.0	183.4	189.0	194.5	200.0	205.6	215.3	224.3	234.0	243.0	254.0
42.5°	180.0	181.4	188.3	195.9	202.8	209.7	218.0	226.3	234.0	242.3	257.5
45°	177.2	180.0	188.3	197.3	205.6	213.9	221.5	229.1	236.7	244.3	263.0
47.5°	173.0	176.5	186.2	195.2	204.9	213.9	228.4	243.7	258.2	272.7	281.7
50°	170.3	173.7	184.1	194.5	204.9	215.3	238.8	262.3	285.2	308.7	303.9
52.5°	163.4	167.5	180.7	193.8	207.0	220.1	240.9	261.6	282.4	303.2	293.5
55°	150.2	153.7	168.9	184.1	198.7	213.9	229.1	244.3	258.9	274.1	263.0
57.5°	137.1	141.2	155.7	170.3	184.1	198.7	206.3	213.9	221.5	229.1	225.0
60°	124.6	128.7	148.1	167.5	186.9	206.3	199.4	192.4	184.8	177.9	182.7
62.5°	112.8	117.0	135.7	153.7	172.4	190.4	180.7	171.0	161.3	151.6	159.2
65°	99.7	103.8	110.8	118.4	125.3	132.2	131.5	130.1	129.4	128.1	136.4
67.5°	85.8	89.3	92.8	96.9	100.4	103.8	105.9	108.7	110.8	112.8	119.7
70°	74.8	78.2	82.4	85.8	90.0	93.4	94.8	96.2	96.9	98.3	104.5
72.5°	62.3	65.1	70.6	76.1	81.0	86.5	87.2	87.2	87.9	87.9	92.8
75°	54.0	56.1	60.2	64.4	67.8	72.0	74.1	76.1	77.5	79.6	82.4
77.5°	47.8	50.5	51.9	52.6	54.0	54.7	56.1	57.5	58.8	60.2	60.9
80°	35.3	38.8	40.1	40.8	42.2	42.9	42.9	42.2	42.2	41.5	42.2
82.5°	11.1	12.5	14.5	16.6	18.7	20.8	21.5	22.2	22.2	22.8	22.2
85°	2.1	2.8	4.2	5.5	6.2	7.6	6.9	5.5	4.8	3.5	2.8
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: P368063
 CATALOG NUMBER: MSA-SA3D-727-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: P368063

CATALOG NUMBER: MSA-SA3D-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3
2.5°	1599.6	1619.7	1640.5	1632.2	1623.9	1615.6	1607.3	1608.6	1610.7	1612.1	1613.5
5°	1571.3	1569.9	1569.2	1592.7	1617.0	1640.5	1664.0	1689.6	1715.9	1741.5	1767.2
7.5°	1373.3	1370.5	1368.5	1398.9	1429.4	1459.8	1490.3	1525.6	1561.6	1596.9	1632.2
10°	1233.5	1239.0	1244.6	1257.0	1270.2	1282.6	1295.1	1329.0	1362.9	1396.1	1430.1
12.5°	1282.6	1321.4	1360.8	1368.5	1375.4	1383.0	1389.9	1394.8	1399.6	1404.5	1409.3
15°	1160.8	1208.6	1256.3	1276.4	1295.8	1315.9	1335.2	1386.5	1437.0	1488.2	1538.7
17.5°	967.0	1016.8	1067.4	1127.6	1187.8	1248.0	1308.2	1363.6	1419.0	1474.4	1529.7
20°	740.0	806.4	872.9	949.0	1025.8	1102.0	1178.1	1233.5	1288.2	1343.5	1398.2
22.5°	531.6	585.6	639.6	731.6	823.0	915.1	1006.4	1102.7	1199.6	1295.8	1392.0
25°	404.9	438.8	473.5	564.1	654.8	744.8	835.5	967.7	1099.9	1232.1	1364.3
27.5°	344.0	367.6	390.4	472.1	553.8	634.7	716.4	873.5	1030.7	1187.8	1344.9
30°	323.9	339.9	355.8	425.0	494.9	564.1	633.4	792.6	951.8	1111.0	1270.2
32.5°	299.0	312.2	326.0	386.9	447.8	508.1	569.0	724.7	880.5	1035.5	1191.3
35°	270.6	285.2	299.0	359.9	420.9	481.1	542.0	703.3	864.5	1025.8	1187.1
37.5°	268.6	280.3	291.4	362.0	433.3	503.9	574.5	735.8	897.1	1057.7	1218.9
40°	265.8	276.9	288.0	359.9	431.2	503.2	574.5	743.4	912.3	1081.2	1250.1
42.5°	272.7	287.3	302.5	366.2	429.8	492.8	556.5	734.4	912.3	1089.5	1267.4
45°	282.4	301.1	319.8	377.9	436.1	494.2	552.4	745.5	938.6	1131.0	1324.2
47.5°	291.4	300.4	309.4	364.8	419.5	474.8	529.5	726.8	924.1	1121.3	1318.6
50°	299.7	294.9	290.0	350.9	411.9	472.1	533.0	721.3	908.8	1097.1	1284.7
52.5°	283.1	273.4	263.0	328.1	393.2	457.5	522.6	712.3	901.9	1091.6	1281.2
55°	252.0	240.9	229.8	294.2	357.9	422.2	485.9	674.9	863.9	1052.8	1241.8
57.5°	220.1	216.0	211.1	260.3	309.4	357.9	407.0	616.7	827.2	1036.9	1246.6
60°	187.6	191.7	196.6	231.9	267.2	301.8	337.1	542.7	747.6	953.1	1158.0
62.5°	166.1	173.7	180.7	210.4	240.9	270.6	300.4	494.2	688.0	881.8	1075.7
65°	145.4	153.7	162.0	197.3	233.3	268.6	303.9	467.9	632.0	796.0	960.1
67.5°	126.7	132.9	139.8	186.2	232.6	279.0	325.3	459.6	593.2	727.5	861.1
70°	110.8	116.3	122.5	176.5	230.5	284.5	338.5	452.7	567.6	681.8	796.0
72.5°	97.6	102.4	107.3	162.0	216.7	271.3	326.0	427.8	528.8	630.6	731.6
75°	85.1	87.2	90.0	136.4	182.0	228.4	274.1	341.9	410.5	478.3	546.1
77.5°	61.6	61.6	62.3	76.1	89.3	103.1	116.3	158.5	200.7	242.3	284.5
80°	42.2	42.9	42.9	48.5	53.3	58.8	63.7	72.7	81.0	90.0	98.3
82.5°	21.5	20.1	19.4	24.9	30.5	36.0	41.5	43.6	45.0	47.1	48.5
85°	2.1	0.7	0.0	3.5	6.9	10.4	13.8	16.6	19.4	22.2	24.9
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: P368063
 CATALOG NUMBER: MSA-SA3D-727-U-SLR-HSS

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: P368063

CATALOG NUMBER: MSA-SA3D-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3
2.5°	1608.0	1602.4	1596.9	1591.3	1625.3	1659.9	1693.8	1727.7	1823.9	1886.9	1880.0
5°	1792.1	1817.0	1841.9	1866.8	1907.0	1947.8	1988.0	2028.1	2170.7	2257.9	2270.4
7.5°	1670.9	1709.0	1747.8	1785.8	1863.4	1940.2	2017.7	2094.6	2211.5	2302.2	2353.4
10°	1473.7	1517.3	1560.2	1603.8	1691.0	1778.9	1866.1	1953.4	2084.9	2210.2	2274.5
12.5°	1477.8	1546.4	1614.9	1683.4	1759.5	1835.7	1911.1	1987.3	2067.6	2109.8	2200.5
15°	1592.7	1646.7	1700.7	1754.7	1854.4	1954.1	2053.0	2152.7	2200.5	2302.2	2408.1
17.5°	1635.0	1740.9	1846.1	1951.3	2075.9	2199.8	2324.4	2448.3	2538.3	2679.5	2788.8
20°	1556.7	1715.2	1873.1	2031.6	2202.5	2373.5	2544.5	2715.5	2813.7	2948.0	3116.9
22.5°	1560.2	1728.4	1895.9	2064.1	2300.1	2535.5	2771.5	3006.9	3270.6	3529.5	3611.8
25°	1584.4	1804.5	2024.0	2244.1	2516.8	2789.5	3062.2	3335.0	3653.4	3925.4	4034.8
27.5°	1592.7	1840.5	2087.6	2335.4	2723.1	3110.7	3498.3	3886.0	4266.0	4573.3	4690.3
30°	1572.7	1875.8	2178.3	2480.8	2956.3	3431.9	3907.4	4382.9	4743.6	5101.4	5246.8
32.5°	1577.5	1963.7	2350.0	2736.2	3296.2	3856.9	4416.9	4976.8	5207.3	5529.9	5786.0
35°	1610.7	2034.3	2457.3	2880.9	3500.4	4119.9	4739.4	5358.9	5736.9	6077.4	6294.8
37.5°	1688.2	2157.6	2626.2	3095.5	3856.9	4619.0	5380.4	6141.8	6726.7	7311.6	7411.3
40°	1745.7	2241.3	2736.9	3232.5	4116.5	5000.4	5884.3	6768.2	7430.0	8064.7	8132.5
42.5°	1810.8	2353.4	2896.8	3439.5	4427.9	5416.4	6404.8	7393.3	8159.5	8806.7	8851.7
45°	1882.1	2440.7	2998.6	3556.5	4592.0	5626.8	6662.3	7697.1	8592.1	9343.9	9174.3
47.5°	1916.0	2513.3	3110.7	3708.1	4818.3	5927.9	7038.2	8147.8	8950.7	9613.8	9415.9
50°	1942.3	2599.2	3256.8	3913.6	5077.9	6242.2	7406.4	8570.7	9375.7	9987.6	9677.5
52.5°	2016.3	2750.8	3485.9	4220.3	5458.6	6696.2	7934.6	9172.2	9950.9	10513.0	10078.3
55°	2088.3	2934.2	3780.7	4626.6	5958.4	7290.8	8622.6	9954.4	10729.6	11211.4	10621.0
57.5°	2179.0	3112.1	4044.5	4976.8	6401.4	7825.9	9249.7	10674.3	11432.2	11964.5	11351.2
60°	2155.5	3152.2	4149.7	5146.4	6597.3	8048.1	9498.9	10949.7	11850.3	12504.4	12088.4
62.5°	2064.1	3052.6	4040.3	5028.8	6454.0	7878.5	9303.7	10728.2	11807.4	12693.4	12553.5
65°	1879.3	2797.8	3717.1	4635.6	5996.4	7358.0	8718.8	10079.7	11411.4	12539.0	12588.8
67.5°	1636.3	2411.6	3186.1	3961.4	5230.9	6500.4	7769.1	9038.6	10610.6	11925.7	12073.9
70°	1378.8	1961.0	2543.8	3125.9	4243.1	5360.3	6476.8	7594.0	9228.3	10551.7	10831.4
72.5°	1105.4	1479.9	1853.7	2227.5	3033.9	3839.6	4646.0	5451.7	6889.4	7916.6	8404.6
75°	716.4	886.7	1057.0	1227.3	1764.4	2300.8	2838.0	3374.4	4329.0	5085.5	5637.2
77.5°	319.1	353.7	387.6	422.2	836.9	1251.5	1666.1	2080.7	2495.3	2952.2	3081.6
80°	114.2	129.4	145.4	160.6	364.1	568.3	771.8	975.3	1176.0	1412.1	1469.5
82.5°	47.8	47.8	47.1	46.4	119.1	191.7	264.4	337.1	389.7	447.8	458.9
85°	19.4	14.5	9.0	3.5	15.2	27.7	39.5	51.2	82.4	74.8	138.4
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: P368063
 CATALOG NUMBER: MSA-SA3D-727-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: P368063

CATALOG NUMBER: MSA-SA3D-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3
2.5°	1853.7	1852.3	1850.9	1849.5	1848.1	1823.2	1799.0	1774.1	1749.9	1780.3	1810.8
5°	2250.3	2286.3	2322.3	2359.0	2395.0	2405.4	2415.7	2426.1	2436.5	2458.7	2480.8
7.5°	2396.4	2457.3	2517.5	2578.4	2638.6	2694.7	2750.1	2806.1	2862.2	2848.4	2834.5
10°	2345.8	2455.9	2565.9	2676.7	2786.8	2811.0	2835.2	2860.1	2884.4	2947.3	3010.3
12.5°	2291.1	2423.4	2555.6	2687.8	2820.0	2893.4	2966.0	3039.4	3112.8	3176.5	3240.1
15°	2550.7	2635.2	2719.6	2804.8	2889.2	2953.6	3017.3	3081.6	3145.3	3189.6	3233.2
17.5°	2892.0	2933.5	2975.0	3017.3	3058.8	3109.3	3159.8	3210.4	3260.9	3287.2	3313.5
20°	3252.6	3270.6	3288.6	3306.6	3324.6	3284.4	3244.3	3204.1	3164.0	3188.9	3213.1
22.5°	3614.6	3620.8	3627.8	3634.0	3640.2	3546.8	3453.3	3359.9	3266.4	3227.0	3187.5
25°	4171.8	4126.1	4080.5	4034.8	3989.1	3878.3	3767.6	3656.8	3546.1	3448.5	3350.9
27.5°	4775.4	4620.4	4466.0	4311.0	4156.6	4045.8	3935.1	3824.3	3713.6	3566.9	3420.1
30°	5383.8	5134.0	4884.8	4634.9	4385.7	4254.2	4122.7	3990.5	3859.0	3712.2	3566.2
32.5°	5941.8	5641.3	5340.9	5039.8	4739.4	4517.9	4296.4	4074.9	3853.4	3751.0	3648.5
35°	6404.1	6049.0	5694.0	5338.2	4983.1	4763.6	4544.2	4324.8	4105.4	3953.1	3801.5
37.5°	7194.6	6795.2	6395.8	5996.4	5597.0	5297.3	4998.3	4698.6	4398.9	4297.1	4195.4
40°	7923.5	7420.3	6917.0	6413.8	5910.6	5659.3	5408.8	5157.5	4906.9	4740.1	4574.0
42.5°	8502.9	7972.6	7443.1	6912.9	6382.7	6134.2	5886.4	5637.9	5389.4	5277.9	5167.2
45°	8628.1	8128.4	7629.3	7129.6	6629.8	6485.1	6341.1	6196.5	6052.5	5975.7	5899.5
47.5°	8875.3	8333.3	7792.0	7250.0	6708.0	6642.9	6577.9	6512.1	6447.1	6483.7	6520.4
50°	9013.7	8460.6	7907.6	7354.5	6801.5	6820.1	6838.1	6856.8	6875.5	7135.8	7395.4
52.5°	9282.3	8723.7	8165.1	7606.5	7047.9	7165.5	7282.5	7400.2	7517.2	7875.7	8233.6
55°	9761.9	9213.0	8664.1	8114.5	7565.6	7720.7	7875.7	8031.5	8186.5	8567.2	8947.2
57.5°	10472.8	9928.1	9384.0	8839.3	8295.2	8449.6	8603.9	8758.3	8912.6	9256.6	9600.0
60°	11367.8	10808.5	10249.9	9690.7	9132.1	9190.2	9247.7	9305.8	9363.9	9733.6	10102.5
62.5°	12064.9	11550.6	11037.0	10522.7	10009.1	9944.7	9881.0	9816.6	9752.9	10034.0	10314.3
65°	12226.8	11864.8	11503.5	11141.5	10779.5	10581.5	10384.2	10186.3	9988.3	10101.8	10215.3
67.5°	11763.1	11518.7	11275.1	11030.7	10786.4	10373.2	9959.9	9546.0	9132.7	9072.5	9012.3
70°	10686.7	10553.1	10420.2	10286.6	10153.7	9516.9	8880.8	8244.0	7607.9	7454.9	7301.9
72.5°	8432.9	8516.0	8599.1	8682.8	8765.9	8084.1	7403.0	6721.2	6039.4	5845.5	5652.4
75°	5946.6	6228.3	6510.0	6791.8	7073.5	6451.9	5831.0	5209.4	4587.8	4401.6	4216.1
77.5°	3224.2	3752.4	4280.5	4808.6	5336.8	4823.9	4311.6	3798.7	3285.8	3156.4	3027.6
80°	1528.4	1832.9	2136.8	2441.4	2745.9	2630.3	2514.7	2398.4	2282.8	2311.2	2339.6
82.5°	468.6	688.7	908.8	1129.0	1349.1	1366.4	1383.0	1400.3	1417.6	1460.5	1502.7
85°	157.1	215.3	273.4	331.6	389.7	492.1	594.6	697.7	800.2	733.7	668.0
87.5°	0.0	2.1	3.5	5.5	6.9	21.5	36.0	50.5	65.1	56.1	47.8
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: P368063
 CATALOG NUMBER: MSA-SA3D-727-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: P368063

CATALOG NUMBER: MSA-SA3D-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3
2.5°	1841.9	1872.4	1873.1	1874.4	1875.1	1875.8	1879.3	1882.8	1886.9	1890.4	1867.5
5°	2503.6	2525.8	2485.0	2444.1	2402.6	2361.8	2398.4	2435.1	2471.8	2508.5	2492.6
7.5°	2820.0	2806.1	2801.3	2797.1	2792.3	2788.1	2802.0	2815.8	2829.7	2843.5	2842.1
10°	3073.3	3136.3	3151.5	3166.8	3182.7	3197.9	3166.1	3134.2	3102.4	3070.6	3057.4
12.5°	3303.8	3367.5	3418.0	3468.6	3519.8	3570.3	3524.6	3479.6	3434.0	3389.0	3346.0
15°	3277.5	3321.1	3362.7	3404.2	3445.7	3487.3	3472.0	3457.5	3442.3	3427.0	3420.1
17.5°	3340.5	3366.8	3357.1	3347.4	3337.0	3327.4	3322.5	3318.4	3313.5	3308.7	3292.1
20°	3238.1	3263.0	3256.8	3251.2	3245.0	3238.8	3234.6	3230.4	3226.3	3222.1	3209.0
22.5°	3148.1	3108.6	3098.2	3088.5	3078.2	3068.5	3069.9	3071.2	3071.9	3073.3	3132.8
25°	3253.3	3155.7	3117.6	3079.6	3040.8	3002.7	3020.0	3036.6	3053.9	3071.2	3157.1
27.5°	3272.7	3125.9	3065.0	3004.1	2943.2	2882.3	2944.6	3006.9	3069.2	3131.5	3270.6
30°	3419.4	3273.4	3188.2	3103.8	3018.6	2934.2	3013.8	3093.4	3173.0	3252.6	3403.5
32.5°	3545.4	3443.0	3382.0	3321.1	3260.2	3199.3	3202.8	3205.5	3209.0	3212.5	3425.0
35°	3649.2	3497.6	3442.3	3387.6	3332.2	3277.5	3359.9	3442.3	3524.6	3607.0	3798.0
37.5°	4093.6	3991.9	3890.1	3789.0	3687.3	3586.2	3652.0	3717.7	3784.2	3850.0	4061.1
40°	4407.2	4241.0	4214.7	4189.1	4162.8	4137.2	4171.1	4204.4	4238.3	4272.2	4457.0
42.5°	5055.8	4944.3	4873.0	4802.4	4731.1	4660.5	4687.5	4714.5	4742.2	4769.2	4944.3
45°	5822.7	5745.9	5698.8	5651.7	5604.0	5556.9	5516.1	5475.9	5435.1	5394.9	5572.8
47.5°	6557.1	6593.8	6697.6	6800.8	6904.6	7007.7	6923.3	6838.8	6753.7	6669.2	6669.9
50°	7655.6	7915.2	7967.8	8019.7	8072.3	8124.2	7944.3	7764.3	7583.6	7403.7	7382.2
52.5°	8592.1	8950.0	8968.7	8987.4	9006.8	9025.5	8952.8	8880.1	8806.7	8734.0	8540.9
55°	9327.9	9708.0	9733.6	9758.5	9784.1	9809.0	9745.3	9682.3	9618.7	9555.0	9359.8
57.5°	9944.0	10287.3	10302.5	10317.1	10332.3	10347.5	10352.4	10357.2	10362.8	10367.6	10103.9
60°	10472.1	10841.8	10811.3	10781.5	10751.1	10721.3	10675.6	10630.0	10584.3	10538.6	10368.3
62.5°	10595.3	10876.4	10829.3	10782.9	10735.9	10689.5	10650.7	10612.6	10573.9	10535.1	10426.4
65°	10328.9	10442.4	10393.9	10345.5	10296.3	10247.9	10222.9	10198.7	10173.8	10148.9	10135.0
67.5°	8951.4	8891.2	8948.6	9006.1	9063.5	9121.0	9199.2	9277.4	9356.3	9434.5	9388.9
70°	7148.2	6995.3	7058.9	7121.9	7185.6	7248.6	7367.0	7485.3	7604.4	7722.8	7690.9
72.5°	5458.6	5264.8	5273.8	5282.8	5292.5	5301.5	5298.0	5295.2	5291.8	5288.3	5343.7
75°	4029.9	3843.7	3755.8	3667.9	3580.0	3492.1	3470.6	3449.2	3427.7	3406.3	3509.4
77.5°	2898.2	2769.4	2709.2	2649.7	2589.5	2530.0	2560.4	2590.9	2622.0	2652.5	2688.5
80°	2368.7	2397.1	2350.7	2305.0	2258.6	2212.2	2246.8	2280.8	2315.4	2350.0	2242.7
82.5°	1545.7	1587.9	1445.3	1302.7	1160.1	1017.5	1104.0	1190.6	1277.8	1364.3	1320.0
85°	601.5	535.8	456.8	378.6	299.7	220.8	287.3	353.7	420.2	486.6	530.9
87.5°	38.8	30.5	24.2	18.0	11.1	4.8	10.4	15.9	22.2	27.7	46.4
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: P368063
 CATALOG NUMBER: MSA-SA3D-727-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: P368063

CATALOG NUMBER: MSA-SA3D-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3	1463.3
2.5°	1845.4	1822.5	1800.4	1756.8	1713.2	1669.6	1626.0	1686.9	1747.8	1808.7	1869.6
5°	2477.3	2461.4	2446.2	2450.4	2454.5	2459.3	2463.5	2472.5	2481.5	2489.8	2498.8
7.5°	2841.4	2840.1	2838.7	2806.8	2775.0	2742.5	2710.6	2726.5	2742.5	2758.4	2774.3
10°	3044.9	3031.8	3018.6	2948.7	2878.8	2808.2	2738.3	2707.8	2676.7	2646.2	2615.8
12.5°	3303.1	3259.5	3216.6	3141.8	3067.8	2993.0	2918.3	2890.6	2862.2	2834.5	2806.1
15°	3413.9	3407.0	3400.7	3347.4	3293.4	3240.1	3186.1	3091.3	2995.8	2901.0	2806.1
17.5°	3275.4	3258.1	3241.5	3326.0	3409.7	3494.2	3578.6	3480.3	3382.0	3283.7	3185.5
20°	3195.8	3182.7	3169.5	3326.7	3483.1	3640.2	3796.7	3753.1	3708.8	3665.1	3621.5
22.5°	3192.4	3252.6	3312.1	3449.9	3586.9	3724.7	3861.7	3937.2	4013.3	4088.8	4164.2
25°	3242.9	3329.4	3415.3	3643.7	3872.1	4101.2	4329.6	4416.2	4502.0	4588.5	4674.4
27.5°	3409.0	3548.2	3686.6	3886.0	4085.3	4285.3	4484.7	4673.7	4863.3	5052.3	5241.3
30°	3553.7	3704.6	3855.5	4092.9	4329.6	4567.1	4803.8	5040.5	5277.3	5514.0	5750.7
32.5°	3637.5	3850.6	4063.2	4351.8	4639.7	4928.4	5217.0	5476.6	5736.2	5995.1	6254.6
35°	3989.1	4180.8	4371.9	4691.0	5010.1	5329.9	5649.0	5970.1	6291.3	6611.8	6933.0
37.5°	4272.2	4484.0	4695.1	5044.0	5392.2	5741.0	6089.9	6533.6	6978.0	7421.7	7865.3
40°	4641.8	4826.6	5011.5	5338.2	5664.2	5990.9	6317.6	6880.4	7443.1	8005.2	8567.9
42.5°	5118.7	5293.9	5469.0	5818.5	6168.1	6517.7	6867.2	7490.2	8113.2	8735.4	9358.4
45°	5750.7	5929.3	6107.2	6385.4	6663.7	6942.0	7220.2	7882.7	8544.4	9206.8	9868.5
47.5°	6670.6	6671.3	6672.0	6872.7	7073.5	7274.9	7475.6	8142.9	8809.5	9476.8	10143.3
50°	7360.7	7338.6	7317.1	7421.0	7524.1	7627.9	7731.8	8345.7	8960.4	9574.4	10188.3
52.5°	8348.5	8155.4	7962.9	8024.6	8085.5	8147.1	8208.0	8727.8	9248.3	9768.2	10288.0
55°	9165.3	8970.1	8774.9	8752.0	8729.2	8706.4	8683.5	9161.8	9640.1	10118.4	10596.7
57.5°	9840.9	9577.1	9314.1	9261.5	9209.6	9157.0	9104.4	9609.0	10112.9	10617.5	11121.4
60°	10198.7	10028.4	9858.2	9824.2	9789.6	9755.7	9721.1	10135.0	10549.0	10962.9	11376.8
62.5°	10318.5	10209.8	10101.8	10165.5	10229.2	10293.5	10357.2	10539.3	10720.6	10902.7	11084.0
65°	10121.9	10108.0	10094.2	10225.0	10355.2	10486.0	10616.8	10571.8	10526.1	10481.1	10436.1
67.5°	9343.9	9298.2	9253.2	9540.4	9827.0	10114.3	10401.5	10183.5	9964.8	9746.7	9528.7
70°	7659.1	7626.5	7594.7	8008.6	8422.6	8837.2	9251.1	8986.7	8722.3	8457.9	8193.4
72.5°	5398.4	5453.8	5509.1	5997.1	6484.4	6972.4	7459.7	7193.2	6926.7	6660.2	6393.8
75°	3611.8	3715.0	3818.1	4320.6	4823.2	5326.4	5828.9	5516.1	5203.2	4890.3	4577.4
77.5°	2724.5	2760.5	2796.4	3114.2	3431.9	3750.3	4068.0	3809.8	3550.9	3292.7	3033.9
80°	2135.4	2027.4	1920.1	2024.7	2129.2	2233.7	2338.2	2183.9	2029.5	1875.8	1721.5
82.5°	1275.7	1231.4	1187.1	1243.9	1299.9	1356.7	1413.5	1347.0	1279.9	1213.4	1146.3
85°	574.5	618.8	662.4	719.9	776.6	834.1	891.5	798.8	706.0	613.3	520.5
87.5°	64.4	83.1	101.8	126.0	150.2	174.4	198.7	155.1	110.8	67.1	23.5
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: P368063
 CATALOG NUMBER: MSA-SA3D-727-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: P368063
 CATALOG NUMBER: MSA-SA3D-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1463.3	1463.3
2.5°	1904.9	1940.2
5°	2498.1	2496.7
7.5°	2732.8	2690.5
10°	2577.0	2538.3
12.5°	2707.2	2608.2
15°	2731.4	2656.6
17.5°	3063.6	2941.1
20°	3464.4	3306.6
22.5°	3948.2	3731.6
25°	4416.9	4159.4
27.5°	5086.9	4931.8
30°	5594.3	5437.1
32.5°	6148.0	6041.4
35°	6827.1	6720.5
37.5°	7893.0	7920.0
40°	8584.5	8601.1
42.5°	9422.8	9487.1
45°	9940.5	10012.5
47.5°	10243.7	10344.1
50°	10350.3	10512.3
52.5°	10488.1	10687.4
55°	10818.9	11041.1
57.5°	11298.6	11475.8
60°	11385.1	11393.4
62.5°	10956.0	10827.9
65°	10299.8	10163.4
67.5°	9446.3	9363.2
70°	8084.1	7974.7
72.5°	6190.2	5986.7
75°	4325.5	4073.5
77.5°	2901.7	2769.4
80°	1725.6	1729.1
82.5°	1178.1	1209.3
85°	514.3	507.4
87.5°	16.6	9.0
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: P368063
CATALOG NUMBER: MSA-SA3D-727-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)