

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: P368085

Luminaire Tested: **MSA-SA3D-730-U-SLR-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P368085
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-730-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: 13223 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

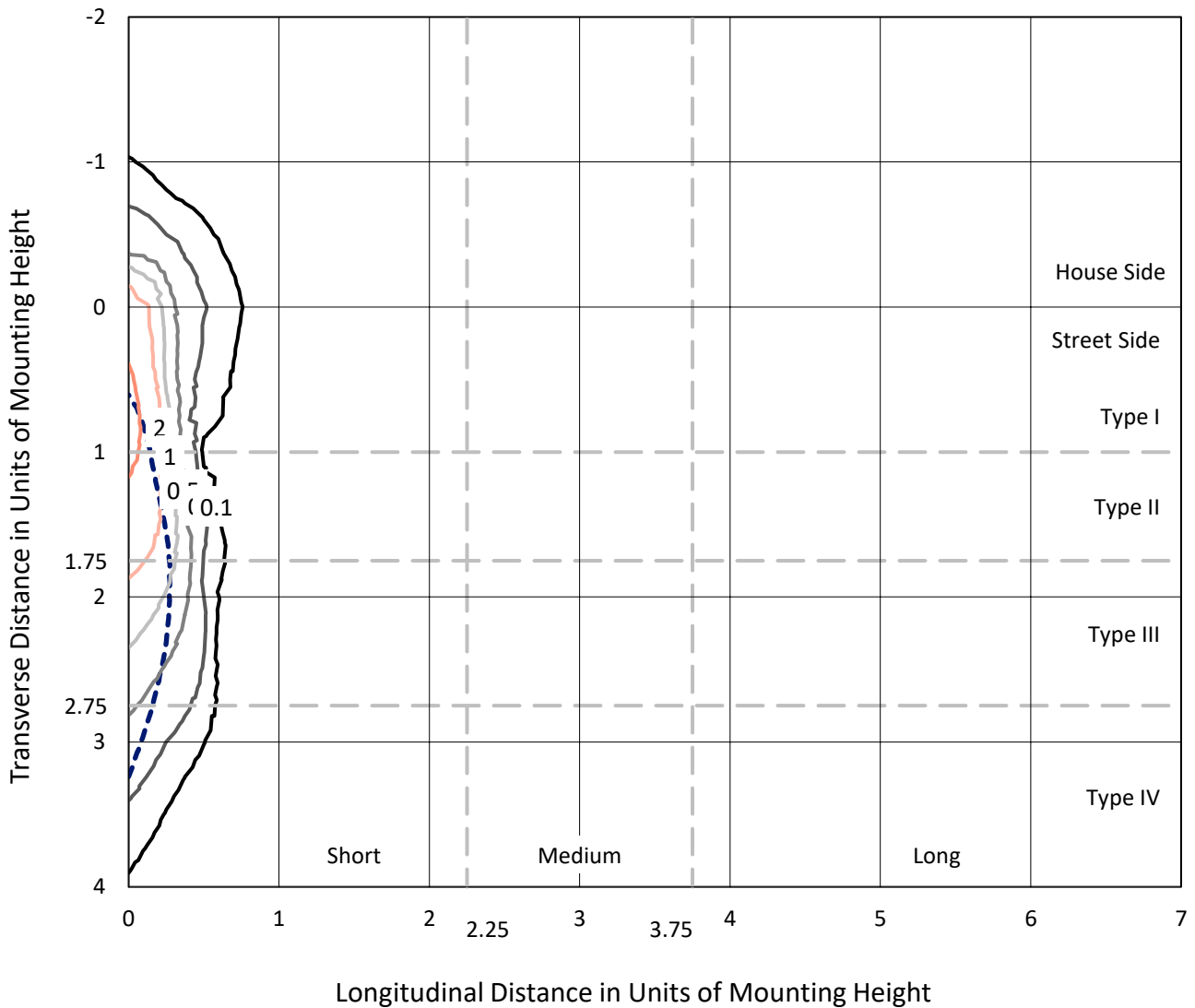
Input Watts (W): 192
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P368085
 CATALOG NUMBER: MSA-SA3D-730-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination

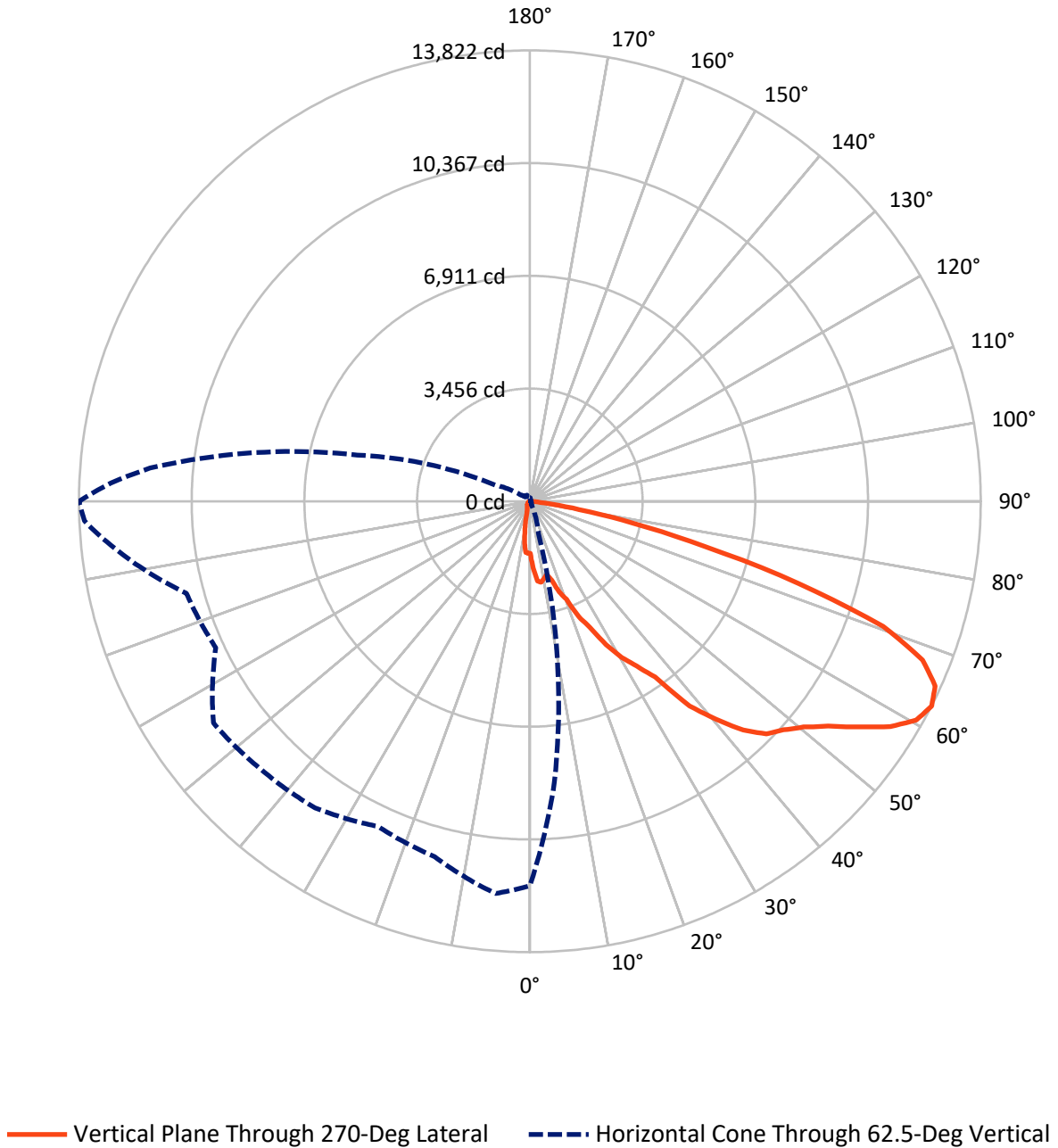
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P368085
CATALOG NUMBER: MSA-SA3D-730-U-SLR-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P368085
 CATALOG NUMBER: MSA-SA3D-730-U-SLR-HSS

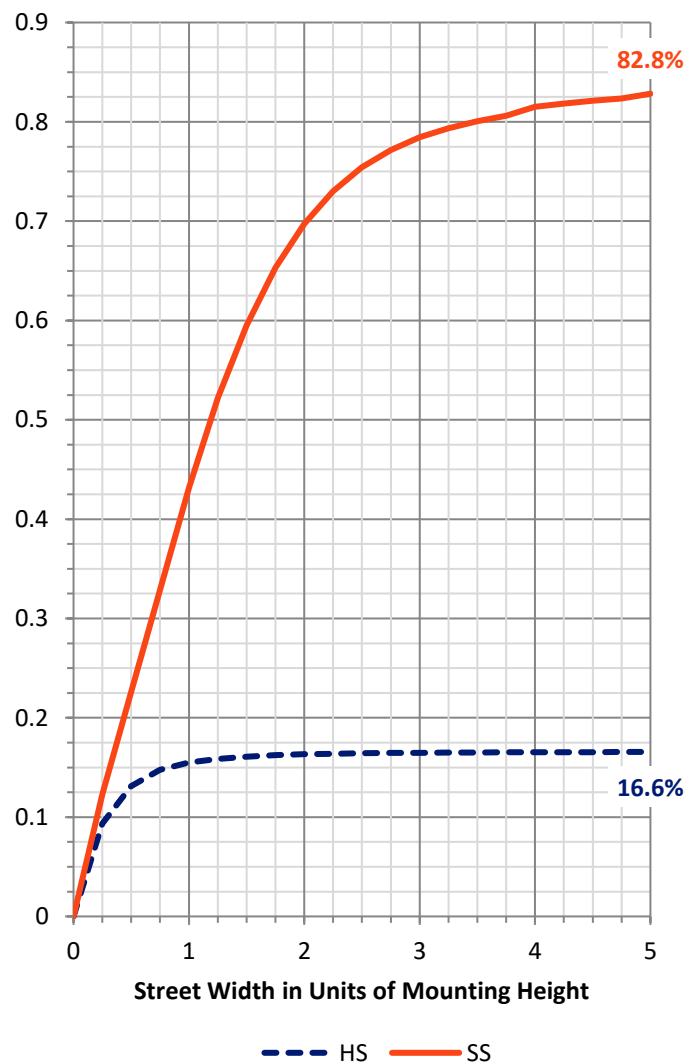
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2208.1	0.0	2208.1
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	11014.9	0.0	11014.9
	% Fixture	83.3	0.0	83.3
Total	Lumens	13223.0	0.0	13223.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.0	1.3
10°-20°	465.1	3.5
20°-30°	751.7	5.7
30°-40°	1259.0	9.5
40°-50°	2058.1	15.6
50°-60°	3046.7	23.0
60°-70°	3497.6	26.5
70°-80°	1729.4	13.1
80°-90°	237.5	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°	13223.0	100.0
0°-180°	13223.0	100.0



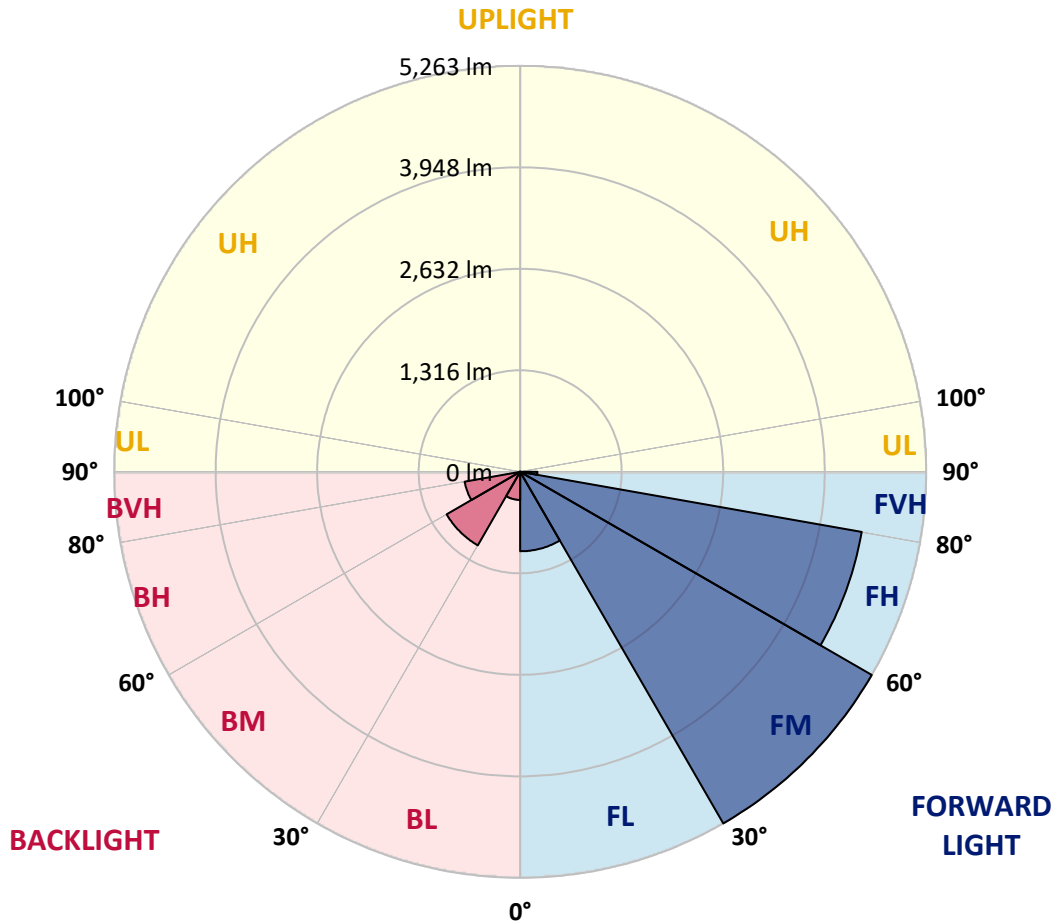
REPORT NUMBER: P368085
 CATALOG NUMBER: MSA-SA3D-730-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1030.2	7.8			
FM (30°-60°)	5263.4	39.8			
FH (60°-80°)	4496.4	34.0			G2/5000
FVH (80°-90°)	224.9	1.7			G2/225
BL (0°-30°)	364.6	2.8	B1/500		
BM (30°-60°)	1100.3	8.3	B2/2500		
BH (60°-80°)	730.6	5.5	B2/1000		G2/1000
BVH (80°-90°)	12.6	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: P368085

CATALOG NUMBER: MSA-SA3D-730-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4
2.5°	2112.8	2139.2	2164.8	2115.8	2066.8	2017.8	1968.8	1925.1	1881.4	1836.9	1793.2
5°	2718.8	2670.5	2622.3	2556.0	2489.6	2423.3	2357.0	2326.1	2295.2	2264.3	2233.4
7.5°	2929.8	2843.9	2757.2	2698.4	2640.4	2581.6	2522.8	2430.1	2336.6	2243.9	2150.5
10°	2764.0	2672.8	2580.8	2529.6	2478.3	2427.1	2375.8	2260.5	2144.4	2029.1	1913.0
12.5°	2840.1	2741.4	2642.7	2537.1	2431.6	2326.1	2220.6	2132.4	2043.4	1955.2	1866.3
15°	2892.9	2779.8	2666.0	2545.4	2424.8	2304.2	2183.6	2079.6	1976.3	1872.3	1768.3
17.5°	3202.7	3040.6	2878.6	2693.2	2507.7	2322.3	2136.9	2016.3	1896.4	1775.8	1655.2
20°	3600.7	3370.8	3140.1	2889.1	2638.1	2387.1	2136.1	1986.1	1836.1	1686.1	1536.1
22.5°	4063.5	3776.3	3488.4	3178.6	2869.5	2559.7	2250.0	2034.4	1818.8	1603.2	1387.7
25°	4529.3	4270.0	4010.7	3593.9	3177.1	2759.5	2342.7	2069.1	1794.7	1521.1	1246.7
27.5°	5370.5	4906.9	4443.4	3912.7	3382.8	2852.2	2321.6	2008.0	1694.4	1380.1	1066.6
30°	5920.7	5564.2	5206.9	4505.9	3805.7	3104.7	2403.7	2006.5	1609.3	1211.3	814.1
32.5°	6578.8	6057.2	5534.8	4774.3	4013.7	3253.2	2492.7	2026.1	1558.8	1092.2	624.9
35°	7318.2	6750.6	6183.0	5219.7	4256.4	3292.4	2329.1	1876.8	1424.6	972.3	520.1
37.5°	8624.4	7674.7	6725.0	5601.9	4478.0	3355.0	2231.1	1779.6	1327.4	875.9	423.6
40°	9366.1	8459.4	7552.6	6149.1	4745.6	3342.1	1938.7	1537.7	1137.4	736.4	335.4
42.5°	10330.9	9180.7	8029.7	6461.2	4892.6	3324.0	1755.5	1384.6	1013.8	642.2	271.4
45°	10903.0	9599.8	8296.6	6596.8	4897.1	3197.4	1497.7	1176.6	855.5	534.4	213.3
47.5°	11264.1	9957.1	8650.1	6825.2	5001.1	3176.3	1351.5	1056.0	760.5	465.1	169.6
50°	11447.2	10136.5	8824.9	6949.6	5074.3	3198.2	1322.8	1028.9	734.2	440.2	145.5
52.5°	11637.9	10373.9	9109.1	7165.2	5221.2	3277.3	1333.4	1033.4	734.2	434.2	134.2
55°	12023.1	10776.4	9528.9	7474.2	5419.5	3364.8	1310.0	1014.6	719.1	422.9	127.4
57.5°	12496.5	11163.8	9830.4	7700.3	5570.2	3440.1	1310.0	1013.0	716.1	418.3	121.4
60°	12406.8	10960.3	9513.1	7446.3	5379.5	3312.0	1245.2	962.5	680.6	398.0	115.3
62.5°	11791.0	10220.9	8650.1	6740.1	4829.3	2919.3	1008.5	783.1	557.8	331.7	106.3
65°	11067.4	9400.8	7733.5	5975.8	4217.2	2459.5	701.0	550.2	398.7	248.0	96.5
67.5°	10196.0	8418.7	6641.3	5078.0	3515.5	1952.2	388.9	313.6	238.2	162.1	86.7
70°	8684.0	6849.4	5014.0	3812.5	2611.8	1410.3	208.8	176.4	144.0	111.6	79.1
72.5°	6519.2	4838.3	3157.5	2398.4	1640.2	881.1	122.1	110.0	97.2	85.2	72.4
75°	4435.8	3176.3	1916.8	1459.3	1002.5	545.0	87.4	81.4	74.6	68.6	61.8
77.5°	3015.8	2181.4	1347.0	1028.1	709.3	390.4	71.6	67.8	64.1	59.5	55.8
80°	1882.9	1288.9	695.0	535.2	374.6	214.8	54.3	52.0	49.7	46.7	44.5
82.5°	1316.8	787.7	258.5	202.0	145.5	88.2	31.7	32.4	33.2	33.2	33.9
85°	552.5	298.5	44.5	37.7	30.9	24.1	17.3	18.8	21.1	22.6	24.1
87.5°	9.8	5.3	0.0	1.5	3.8	5.3	6.8	9.0	10.6	12.8	14.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368085
 CATALOG NUMBER: MSA-SA3D-730-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: P368085
 CATALOG NUMBER: MSA-SA3D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4
2.5°	1804.5	1815.8	1826.3	1837.6	1828.6	1820.3	1811.3	1802.2	1788.7	1775.8	1762.3
5°	2195.7	2158.0	2120.3	2082.6	2025.3	1968.0	1910.0	1852.7	1845.9	1839.2	1831.6
7.5°	2062.3	1974.1	1885.1	1796.9	1714.0	1631.1	1548.2	1465.3	1439.7	1414.8	1389.2
10°	1845.2	1777.3	1708.8	1640.9	1581.4	1521.1	1461.5	1401.2	1338.7	1276.1	1212.8
12.5°	1795.4	1724.6	1653.0	1582.1	1527.9	1473.6	1419.3	1365.0	1294.9	1224.8	1154.7
15°	1691.4	1614.5	1537.7	1460.8	1388.4	1316.1	1242.9	1170.6	1086.2	1001.7	917.3
17.5°	1564.0	1473.6	1382.4	1291.2	1196.2	1101.2	1006.3	911.3	814.1	717.6	620.3
20°	1412.5	1288.9	1164.5	1040.9	923.3	805.8	687.4	569.8	508.8	448.5	387.4
22.5°	1227.9	1067.3	907.5	747.0	650.5	553.3	456.8	359.5	333.2	306.8	280.4
25°	1065.1	883.4	701.7	520.1	459.0	398.0	336.9	275.9	263.8	251.0	238.9
27.5°	895.5	725.1	554.0	382.9	348.2	312.8	278.1	242.7	234.4	226.9	218.6
30°	686.7	559.3	431.1	303.8	281.1	258.5	235.2	212.6	208.8	204.3	200.5
32.5°	532.1	438.7	346.0	252.5	239.7	226.9	214.1	201.3	195.2	189.2	182.4
35°	444.7	370.1	294.7	219.3	210.3	200.5	191.5	181.7	175.6	168.8	162.8
37.5°	368.6	314.3	259.3	204.3	194.5	184.7	174.1	164.3	159.8	155.3	150.8
40°	303.8	272.1	240.4	208.8	194.5	180.1	165.8	151.5	147.7	144.0	140.2
42.5°	251.0	230.6	209.5	189.2	178.6	168.8	158.3	147.7	142.5	136.4	131.2
45°	202.8	191.5	180.9	169.6	170.3	171.1	171.1	171.9	158.3	144.0	130.4
47.5°	164.3	159.0	153.0	147.7	153.8	159.8	165.1	171.1	156.8	142.5	127.4
50°	141.0	137.2	132.7	128.1	134.2	141.0	147.0	153.0	147.0	141.7	135.7
52.5°	128.9	123.6	118.3	113.1	115.3	118.3	120.6	122.9	122.9	122.9	122.9
55°	121.4	116.1	110.0	104.0	101.8	98.7	96.5	93.5	89.7	86.7	82.9
57.5°	115.3	109.3	102.5	96.5	92.7	88.2	84.4	79.9	76.1	71.6	67.8
60°	109.3	103.3	96.5	90.5	86.7	82.9	78.4	74.6	70.1	66.3	61.8
62.5°	101.0	95.7	90.5	85.2	81.4	78.4	74.6	70.9	66.3	61.8	56.5
65°	92.0	88.2	83.7	79.1	75.4	71.6	67.8	64.1	59.5	55.8	51.3
67.5°	83.7	79.9	76.9	73.1	68.6	64.8	60.3	55.8	52.8	49.7	46.0
70°	76.9	73.9	71.6	68.6	64.1	60.3	55.8	51.3	49.0	46.0	43.7
72.5°	70.1	67.8	64.8	62.6	58.8	55.0	51.3	47.5	45.2	43.0	40.7
75°	60.3	58.8	57.3	55.8	52.0	48.2	43.7	39.9	39.2	38.4	37.7
77.5°	54.3	53.5	52.0	50.5	46.7	43.0	39.2	35.4	36.2	36.9	36.9
80°	44.5	44.5	43.7	43.7	40.7	37.7	33.9	30.9	32.4	34.7	36.2
82.5°	33.9	33.9	33.9	33.9	30.9	27.9	24.9	21.9	24.1	25.6	27.9
85°	23.4	22.6	21.9	21.1	18.8	17.3	15.1	12.8	15.8	18.1	21.1
87.5°	14.3	15.1	15.1	15.1	13.6	11.3	9.8	7.5	9.0	9.8	11.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368085
 CATALOG NUMBER: MSA-SA3D-730-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: P368085
 CATALOG NUMBER: MSA-SA3D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4
2.5°	1748.7	1726.1	1703.5	1680.1	1657.5	1604.7	1552.0	1499.2	1446.5	1485.6	1524.1
5°	1824.8	1781.1	1736.6	1692.9	1648.5	1628.9	1610.0	1590.4	1570.8	1573.8	1577.6
7.5°	1363.5	1334.9	1306.3	1276.9	1248.2	1242.2	1236.9	1230.9	1224.8	1237.7	1249.7
10°	1150.2	1110.3	1069.6	1029.6	988.9	967.1	945.2	923.3	901.5	899.2	896.2
12.5°	1084.7	1023.6	963.3	902.2	841.2	793.7	746.2	698.7	651.2	655.0	658.8
15°	832.9	771.8	711.5	650.5	589.4	551.0	511.8	473.4	434.2	422.9	411.5
17.5°	523.1	477.9	432.7	386.7	341.5	328.6	316.6	303.8	290.9	287.2	283.4
20°	326.4	306.8	287.2	266.8	247.2	244.2	241.2	238.2	235.2	237.4	239.7
22.5°	254.0	245.7	236.7	228.4	219.3	216.3	213.3	210.3	207.3	209.5	211.1
25°	226.1	220.1	214.1	208.0	202.0	199.0	195.2	192.2	188.4	189.9	192.2
27.5°	210.3	205.0	199.7	194.5	189.2	183.9	179.4	174.1	168.8	171.9	174.1
30°	196.0	189.9	184.7	178.6	172.6	167.3	162.1	156.0	150.8	153.8	156.8
32.5°	176.4	171.1	165.1	159.8	153.8	150.8	147.7	144.0	141.0	143.2	144.7
35°	156.0	151.5	147.7	143.2	138.7	135.7	133.4	130.4	127.4	128.1	129.6
37.5°	146.2	141.0	135.7	130.4	125.1	123.6	122.1	119.8	118.3	118.3	118.3
40°	136.4	131.2	125.9	119.8	114.6	112.3	110.0	107.8	105.5	105.5	105.5
42.5°	125.1	119.8	114.6	109.3	104.0	101.8	98.7	96.5	93.5	93.5	93.5
45°	116.1	110.8	106.3	101.0	95.7	92.0	88.2	83.7	79.9	79.1	78.4
47.5°	113.1	105.5	98.0	90.5	82.9	79.1	75.4	70.9	67.1	66.3	65.6
50°	129.6	114.6	99.5	84.4	69.3	66.3	63.3	60.3	57.3	55.8	55.0
52.5°	122.9	107.0	91.2	75.4	59.5	57.3	55.0	52.8	50.5	49.0	47.5
55°	79.1	72.4	66.3	59.5	52.8	51.3	49.7	47.5	46.0	44.5	43.0
57.5°	63.3	59.5	56.5	52.8	49.0	47.5	46.0	43.7	42.2	39.9	38.4
60°	57.3	54.3	51.3	48.2	45.2	43.7	42.2	40.7	39.2	36.9	35.4
62.5°	52.0	49.7	47.5	45.2	43.0	41.5	39.9	38.4	36.9	34.7	32.4
65°	46.7	45.2	43.7	42.2	40.7	39.2	37.7	35.4	33.9	31.7	29.4
67.5°	43.0	42.2	41.5	40.7	39.9	38.4	36.2	34.7	32.4	30.2	27.1
70°	40.7	40.7	40.7	39.9	39.9	38.4	36.2	34.7	32.4	29.4	27.1
72.5°	38.4	39.2	39.9	39.9	40.7	38.4	36.2	33.9	31.7	28.6	26.4
75°	36.9	37.7	38.4	38.4	39.2	37.7	36.2	33.9	32.4	29.4	26.4
77.5°	37.7	38.4	38.4	39.2	39.2	37.7	36.2	33.9	32.4	28.6	24.9
80°	37.7	36.9	36.2	34.7	33.9	30.9	27.9	24.1	21.1	16.6	12.8
82.5°	29.4	27.9	27.1	25.6	24.1	21.1	18.1	15.1	12.1	9.0	6.0
85°	23.4	21.9	21.1	19.6	18.1	15.8	12.8	10.6	7.5	6.0	3.8
87.5°	12.1	11.3	9.8	9.0	7.5	6.0	3.8	2.3	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: P368085
 CATALOG NUMBER: MSA-SA3D-730-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: P368085
 CATALOG NUMBER: MSA-SA3D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4
2.5°	1563.3	1601.7	1596.4	1591.2	1616.0	1640.9	1622.8	1605.5	1587.4	1569.3	1531.6
5°	1580.6	1583.6	1578.4	1572.3	1573.1	1573.8	1561.8	1549.7	1537.7	1525.6	1523.3
7.5°	1262.5	1274.6	1291.2	1307.0	1307.8	1307.8	1298.7	1289.7	1279.9	1270.8	1275.3
10°	894.0	890.9	895.5	900.0	899.2	897.7	921.8	946.0	969.3	993.4	976.1
12.5°	661.8	665.6	646.7	627.9	634.7	640.7	644.5	648.2	652.0	655.8	666.3
15°	400.2	388.9	375.4	361.8	368.6	374.6	381.4	387.4	394.2	400.2	407.0
17.5°	278.9	275.1	269.1	262.3	263.1	263.8	264.6	265.3	265.3	266.1	267.6
20°	242.0	244.2	239.7	234.4	232.9	230.6	229.1	227.6	225.4	223.9	221.6
22.5°	213.3	214.8	215.6	215.6	212.6	208.8	205.8	203.5	200.5	197.5	196.0
25°	193.7	195.2	193.7	191.5	189.9	188.4	186.9	184.7	183.2	180.9	180.1
27.5°	177.1	179.4	179.4	178.6	177.1	174.9	171.1	168.1	164.3	160.5	161.3
30°	159.8	162.8	162.8	162.1	161.3	160.5	156.8	153.0	149.2	145.5	147.0
32.5°	147.0	148.5	147.7	147.0	147.0	146.2	143.2	141.0	137.9	134.9	134.9
35°	130.4	131.2	131.2	131.2	131.2	130.4	128.1	125.9	123.6	121.4	122.1
37.5°	118.3	118.3	120.6	122.1	120.6	119.1	117.6	115.3	113.8	111.6	111.6
40°	104.8	104.8	107.0	108.5	107.0	105.5	104.8	103.3	102.5	101.0	101.0
42.5°	92.7	92.7	95.0	96.5	96.5	95.7	94.2	92.7	91.2	89.7	90.5
45°	77.6	76.9	80.7	83.7	82.2	80.7	80.7	79.9	79.9	79.1	79.9
47.5°	64.1	63.3	66.3	69.3	68.6	67.1	67.1	67.1	67.1	67.1	67.8
50°	53.5	52.0	55.0	57.3	56.5	55.0	55.0	55.8	55.8	55.8	56.5
52.5°	46.0	44.5	46.7	48.2	47.5	46.7	46.7	47.5	47.5	47.5	48.2
55°	40.7	39.2	41.5	43.0	42.2	40.7	41.5	41.5	42.2	42.2	42.2
57.5°	36.2	33.9	35.4	36.9	36.9	36.2	36.9	36.9	37.7	37.7	37.7
60°	33.2	30.9	32.4	33.2	33.2	32.4	33.2	33.2	33.9	33.9	33.9
62.5°	29.4	27.1	28.6	29.4	29.4	28.6	29.4	29.4	30.2	30.2	30.2
65°	26.4	24.1	24.9	25.6	25.6	25.6	26.4	26.4	27.1	27.1	27.1
67.5°	24.9	21.9	22.6	23.4	23.4	23.4	24.1	24.1	24.9	24.9	25.6
70°	24.1	21.1	21.9	21.9	22.6	22.6	22.6	23.4	23.4	23.4	23.4
72.5°	23.4	20.4	20.4	20.4	21.1	21.1	21.1	21.9	21.9	21.9	21.9
75°	23.4	20.4	19.6	18.8	19.6	19.6	19.6	20.4	20.4	20.4	20.4
77.5°	20.4	16.6	15.1	12.8	15.1	16.6	17.3	17.3	18.1	18.1	18.1
80°	8.3	3.8	2.3	0.0	0.8	1.5	2.3	3.0	3.8	4.5	5.3
82.5°	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.3	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: P368085
 CATALOG NUMBER: MSA-SA3D-730-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: P368085
 CATALOG NUMBER: MSA-SA3D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4
2.5°	1493.9	1456.3	1418.6	1436.7	1454.7	1472.8	1490.9	1489.4	1487.2	1485.6	1483.4
5°	1521.8	1519.6	1517.3	1506.8	1497.0	1486.4	1475.8	1473.6	1470.6	1468.3	1465.3
7.5°	1279.9	1283.6	1288.2	1276.1	1264.0	1252.0	1239.9	1209.0	1178.1	1146.5	1115.6
10°	958.8	940.7	923.3	921.8	920.3	918.8	917.3	914.3	911.3	907.5	904.5
12.5°	677.6	688.2	698.7	695.0	691.2	686.7	682.9	688.2	694.2	699.5	704.8
15°	413.1	419.8	425.9	439.4	453.0	466.6	480.1	485.4	491.4	496.7	502.0
17.5°	269.1	269.8	271.4	286.4	300.7	315.8	330.1	339.9	349.7	358.8	368.6
20°	219.3	217.1	214.8	223.1	231.4	239.7	248.0	257.0	266.1	275.1	284.2
22.5°	195.2	193.7	192.2	195.2	198.2	200.5	203.5	210.3	217.8	224.6	231.4
25°	179.4	177.9	177.1	178.6	180.1	181.7	183.2	186.9	190.7	194.5	198.2
27.5°	161.3	162.1	162.1	163.6	164.3	165.8	166.6	168.1	170.3	171.9	173.4
30°	147.7	149.2	150.0	151.5	152.3	153.8	154.5	153.8	153.0	152.3	151.5
32.5°	134.9	134.2	134.2	135.7	136.4	137.9	138.7	140.2	141.7	142.5	144.0
35°	122.1	122.9	122.9	122.9	123.6	123.6	123.6	125.1	127.4	128.9	130.4
37.5°	110.8	110.8	110.0	112.3	113.8	116.1	117.6	119.1	121.4	122.9	124.4
40°	101.0	101.0	101.0	102.5	104.0	104.8	106.3	110.0	113.8	117.6	121.4
42.5°	90.5	91.2	91.2	92.7	94.2	95.0	96.5	99.5	101.8	104.8	107.0
45°	80.7	81.4	82.2	83.7	84.4	85.9	86.7	88.2	88.9	90.5	91.2
47.5°	69.3	70.1	70.9	72.4	73.1	74.6	75.4	74.6	74.6	73.9	73.1
50°	58.0	58.8	59.5	61.8	63.3	65.6	67.1	65.6	64.1	61.8	60.3
52.5°	49.0	49.0	49.7	51.3	52.8	53.5	55.0	54.3	53.5	52.8	52.0
55°	42.2	42.2	42.2	43.0	43.7	44.5	45.2	46.0	46.0	46.7	46.7
57.5°	37.7	36.9	36.9	37.7	38.4	38.4	39.2	39.9	39.9	40.7	40.7
60°	33.9	33.2	33.2	33.9	34.7	35.4	36.2	36.2	36.2	35.4	35.4
62.5°	30.2	30.2	30.2	30.9	30.9	31.7	31.7	31.7	32.4	32.4	32.4
65°	27.9	27.9	27.9	27.9	27.9	27.1	27.1	27.9	27.9	28.6	28.6
67.5°	25.6	26.4	26.4	25.6	24.9	24.1	23.4	24.1	24.1	24.9	24.9
70°	23.4	23.4	23.4	22.6	21.9	21.1	20.4	20.4	20.4	19.6	19.6
72.5°	21.9	21.1	21.1	20.4	18.8	18.1	16.6	15.8	15.8	15.1	14.3
75°	20.4	19.6	19.6	18.1	16.6	15.1	13.6	12.8	11.3	10.6	9.0
77.5°	18.1	18.1	18.1	15.8	14.3	12.1	9.8	8.3	6.8	4.5	3.0
80°	6.0	6.8	7.5	6.8	6.8	6.0	5.3	3.8	3.0	1.5	0.0
82.5°	0.8	0.8	0.8	0.8	0.8	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: P368085
 CATALOG NUMBER: MSA-SA3D-730-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: P368085

CATALOG NUMBER: MSA-SA3D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4
2.5°	1491.7	1500.0	1508.3	1516.6	1517.3	1518.1	1518.8	1519.6	1500.7	1481.1	1462.3
5°	1480.4	1496.2	1511.3	1526.3	1518.1	1509.8	1501.5	1493.2	1492.4	1492.4	1491.7
7.5°	1117.8	1119.3	1121.6	1123.1	1126.1	1129.1	1131.4	1134.4	1146.5	1158.5	1169.8
10°	894.7	884.9	874.4	864.6	857.0	848.7	841.2	832.9	838.9	845.7	851.7
12.5°	696.5	688.2	679.1	670.8	667.8	664.8	661.0	658.0	677.6	697.2	716.1
15°	500.5	499.0	496.7	495.2	505.0	514.8	524.6	534.4	551.0	566.8	583.4
17.5°	372.4	376.1	379.9	383.7	389.7	395.7	401.0	407.0	419.1	431.9	444.0
20°	288.7	294.0	298.5	303.0	301.5	300.0	297.7	296.2	306.0	315.8	324.9
22.5°	235.9	239.7	244.2	248.0	248.7	249.5	250.2	251.0	257.0	262.3	268.3
25°	202.0	206.5	210.3	214.1	214.8	215.6	216.3	217.1	224.6	232.2	238.9
27.5°	178.6	183.2	188.4	193.0	194.5	196.0	197.5	199.0	203.5	207.3	211.8
30°	157.5	163.6	169.6	175.6	177.9	180.1	182.4	184.7	189.2	194.5	199.0
32.5°	147.0	150.8	153.8	156.8	162.1	166.6	171.9	176.4	181.7	187.7	193.0
35°	134.9	138.7	143.2	147.0	150.8	154.5	157.5	161.3	164.3	167.3	169.6
37.5°	127.4	131.2	134.2	137.2	138.7	140.2	141.0	142.5	144.0	145.5	146.2
40°	121.4	120.6	120.6	119.8	121.4	123.6	125.1	126.6	131.2	134.9	139.4
42.5°	105.5	103.3	101.8	99.5	103.3	106.3	110.0	113.1	119.1	125.1	131.2
45°	89.7	88.2	85.9	84.4	89.7	95.0	100.2	105.5	112.3	118.3	125.1
47.5°	73.9	74.6	74.6	75.4	80.7	85.9	90.5	95.7	102.5	109.3	116.1
50°	61.8	63.3	64.8	66.3	71.6	76.1	81.4	85.9	93.5	100.2	107.8
52.5°	54.3	56.5	58.0	60.3	64.8	70.1	74.6	79.1	85.9	92.7	99.5
55°	49.0	52.0	54.3	56.5	60.3	64.1	67.8	71.6	78.4	85.2	91.2
57.5°	43.0	45.2	47.5	49.7	53.5	57.3	60.3	64.1	70.1	76.9	82.9
60°	37.7	39.2	41.5	43.0	46.0	49.7	52.8	55.8	61.8	67.8	73.1
62.5°	33.2	34.7	35.4	36.2	39.2	42.2	45.2	48.2	53.5	59.5	64.8
65°	29.4	30.2	30.2	30.9	33.2	36.2	38.4	40.7	46.7	52.0	58.0
67.5°	24.9	25.6	25.6	25.6	27.9	30.2	32.4	34.7	39.9	46.0	51.3
70°	19.6	20.4	20.4	20.4	22.6	25.6	27.9	30.2	34.7	39.2	43.7
72.5°	15.1	15.1	15.8	15.8	18.1	21.1	23.4	25.6	29.4	33.2	36.9
75°	9.8	10.6	10.6	11.3	13.6	16.6	18.8	21.1	24.9	28.6	31.7
77.5°	3.8	5.3	6.0	6.8	9.0	11.3	13.6	15.8	18.8	22.6	25.6
80°	0.0	0.8	0.8	0.8	2.3	3.0	4.5	5.3	7.5	10.6	12.8
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: P368085
 CATALOG NUMBER: MSA-SA3D-730-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: P368085
 CATALOG NUMBER: MSA-SA3D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4
2.5°	1442.7	1484.1	1525.6	1567.1	1608.5	1659.8	1711.0	1718.6	1726.1	1717.0	1708.8
5°	1490.9	1511.3	1530.9	1551.2	1570.8	1629.6	1687.7	1688.4	1688.4	1689.2	1689.2
7.5°	1181.9	1199.2	1216.6	1233.1	1250.5	1288.9	1327.4	1341.7	1355.2	1352.2	1349.2
10°	857.8	880.4	902.2	924.9	946.7	982.1	1017.6	1031.1	1043.9	1085.4	1127.6
12.5°	735.7	757.5	779.4	800.5	822.3	858.5	894.7	921.1	946.7	972.3	998.0
15°	599.2	616.6	634.7	652.0	669.3	685.9	702.5	734.9	766.6	792.2	817.8
17.5°	456.0	463.6	470.3	477.9	484.7	492.2	499.7	513.3	526.1	548.7	570.6
20°	334.7	340.7	346.7	352.0	358.0	365.6	373.1	382.9	392.0	397.2	401.8
22.5°	273.6	282.7	291.7	300.0	309.0	314.3	319.6	322.6	325.6	327.9	330.1
25°	246.5	254.8	262.3	270.6	278.1	280.4	282.7	288.7	294.7	294.7	294.7
27.5°	215.6	226.9	238.9	250.2	261.6	264.6	266.8	269.1	270.6	267.6	263.8
30°	203.5	214.8	226.1	236.7	248.0	252.5	256.3	258.5	260.8	257.0	253.3
32.5°	198.2	208.8	218.6	229.1	238.9	245.0	250.2	256.3	261.6	262.3	263.8
35°	172.6	179.4	186.9	193.7	200.5	203.5	206.5	208.8	210.3	210.3	210.3
37.5°	147.7	156.8	166.6	175.6	184.7	191.5	198.2	199.0	199.0	200.5	202.8
40°	143.2	152.3	161.3	169.6	178.6	186.2	193.0	193.7	194.5	196.0	197.5
42.5°	137.2	147.0	156.8	166.6	176.4	183.9	190.7	190.7	189.9	192.2	193.7
45°	131.2	141.0	150.0	159.8	168.8	178.6	187.7	185.4	182.4	186.2	189.2
47.5°	122.9	133.4	144.0	153.8	164.3	173.4	181.7	180.1	177.9	181.7	185.4
50°	114.6	125.1	135.7	146.2	156.8	166.6	175.6	174.1	172.6	177.1	180.9
52.5°	106.3	116.8	128.1	138.7	149.2	157.5	165.1	164.3	163.6	168.1	173.4
55°	98.0	107.8	118.3	128.1	137.9	147.0	155.3	153.8	152.3	156.0	159.8
57.5°	88.9	98.7	107.8	117.6	126.6	134.2	141.0	138.7	136.4	141.0	145.5
60°	79.1	88.2	97.2	105.5	114.6	120.6	125.9	124.4	122.1	126.6	131.2
62.5°	70.1	78.4	86.7	94.2	102.5	107.0	111.6	110.0	108.5	113.1	118.3
65°	63.3	70.1	76.1	82.9	88.9	93.5	98.0	95.7	93.5	98.7	103.3
67.5°	56.5	61.8	67.8	73.1	78.4	82.2	85.9	84.4	82.2	85.9	89.7
70°	48.2	53.5	58.8	63.3	68.6	72.4	76.1	73.9	70.9	74.6	78.4
72.5°	40.7	45.2	49.7	53.5	58.0	61.1	64.1	61.8	59.5	62.6	65.6
75°	35.4	39.2	43.0	46.0	49.7	51.3	52.8	52.0	50.5	53.5	55.8
77.5°	28.6	31.7	35.4	38.4	41.5	41.5	41.5	42.2	42.2	45.2	49.0
80°	15.1	18.1	21.1	23.4	26.4	26.4	25.6	27.1	27.9	31.7	35.4
82.5°	0.0	2.3	4.5	6.8	9.0	8.3	6.8	7.5	7.5	9.0	10.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5
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: P368085
 CATALOG NUMBER: MSA-SA3D-730-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: P368085

CATALOG NUMBER: MSA-SA3D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4
2.5°	1699.7	1690.7	1684.6	1679.4	1673.3	1667.3	1674.8	1682.4	1689.2	1696.7	1719.3
5°	1689.9	1689.9	1684.6	1679.4	1674.1	1668.8	1680.1	1690.7	1702.0	1712.5	1711.8
7.5°	1345.4	1342.4	1374.1	1405.0	1436.7	1467.6	1475.8	1484.1	1491.7	1500.0	1497.7
10°	1169.1	1210.5	1224.1	1237.7	1251.2	1264.8	1281.4	1298.0	1314.5	1331.1	1337.2
12.5°	1023.6	1049.2	1092.9	1135.9	1179.6	1222.6	1244.4	1267.1	1288.9	1310.8	1353.7
15°	843.4	869.1	906.8	944.5	982.1	1019.8	1054.5	1089.9	1124.6	1159.3	1211.3
17.5°	593.2	615.1	643.7	672.3	700.2	728.9	782.4	835.9	889.4	942.9	998.0
20°	407.0	411.5	425.1	439.4	453.0	466.6	514.8	563.8	612.0	660.3	732.6
22.5°	331.7	333.9	340.7	347.5	353.5	360.3	385.2	410.8	435.7	460.5	519.3
25°	294.0	294.0	298.5	303.0	307.5	312.1	325.6	339.2	352.0	365.6	403.3
27.5°	260.8	257.0	263.8	270.6	277.4	284.2	294.0	304.5	314.3	324.1	349.7
30°	249.5	245.7	254.0	262.3	270.6	278.9	288.7	298.5	307.5	317.3	334.7
32.5°	264.6	265.3	268.3	271.4	273.6	276.6	281.1	286.4	290.9	295.5	310.5
35°	210.3	210.3	215.6	220.8	225.4	230.6	238.9	247.2	255.5	263.8	279.6
37.5°	204.3	205.8	210.3	215.6	220.1	224.6	235.2	246.5	257.0	267.6	280.4
40°	198.2	199.7	205.8	211.8	217.8	223.9	234.4	244.2	254.8	264.6	276.6
42.5°	196.0	197.5	205.0	213.3	220.8	228.4	237.4	246.5	254.8	263.8	280.4
45°	193.0	196.0	205.0	214.8	223.9	232.9	241.2	249.5	257.8	266.1	286.4
47.5°	188.4	192.2	202.8	212.6	223.1	232.9	248.7	265.3	281.1	297.0	306.8
50°	185.4	189.2	200.5	211.8	223.1	234.4	260.0	285.7	310.5	336.2	330.9
52.5°	177.9	182.4	196.7	211.1	225.4	239.7	262.3	284.9	307.5	330.1	319.6
55°	163.6	167.3	183.9	200.5	216.3	232.9	249.5	266.1	281.9	298.5	286.4
57.5°	149.2	153.8	169.6	185.4	200.5	216.3	224.6	232.9	241.2	249.5	245.0
60°	135.7	140.2	161.3	182.4	203.5	224.6	217.1	209.5	201.3	193.7	199.0
62.5°	122.9	127.4	147.7	167.3	187.7	207.3	196.7	186.2	175.6	165.1	173.4
65°	108.5	113.1	120.6	128.9	136.4	144.0	143.2	141.7	141.0	139.4	148.5
67.5°	93.5	97.2	101.0	105.5	109.3	113.1	115.3	118.3	120.6	122.9	130.4
70°	81.4	85.2	89.7	93.5	98.0	101.8	103.3	104.8	105.5	107.0	113.8
72.5°	67.8	70.9	76.9	82.9	88.2	94.2	95.0	95.0	95.7	95.7	101.0
75°	58.8	61.1	65.6	70.1	73.9	78.4	80.7	82.9	84.4	86.7	89.7
77.5°	52.0	55.0	56.5	57.3	58.8	59.5	61.1	62.6	64.1	65.6	66.3
80°	38.4	42.2	43.7	44.5	46.0	46.7	46.7	46.0	46.0	45.2	46.0
82.5°	12.1	13.6	15.8	18.1	20.4	22.6	23.4	24.1	24.1	24.9	24.1
85°	2.3	3.0	4.5	6.0	6.8	8.3	7.5	6.0	5.3	3.8	3.0
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: P368085
 CATALOG NUMBER: MSA-SA3D-730-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: P368085

CATALOG NUMBER: MSA-SA3D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4
2.5°	1741.9	1763.8	1786.4	1777.3	1768.3	1759.3	1750.2	1751.7	1754.0	1755.5	1757.0
5°	1711.0	1709.5	1708.8	1734.4	1760.8	1786.4	1812.0	1839.9	1868.6	1896.4	1924.3
7.5°	1495.4	1492.4	1490.2	1523.3	1556.5	1589.7	1622.8	1661.3	1700.5	1738.9	1777.3
10°	1343.2	1349.2	1355.2	1368.8	1383.1	1396.7	1410.3	1447.2	1484.1	1520.3	1557.3
12.5°	1396.7	1438.9	1481.9	1490.2	1497.7	1506.0	1513.5	1518.8	1524.1	1529.4	1534.6
15°	1264.0	1316.1	1368.1	1389.9	1411.0	1432.9	1454.0	1509.8	1564.8	1620.6	1675.6
17.5°	1053.0	1107.3	1162.3	1227.9	1293.4	1359.0	1424.6	1484.9	1545.2	1605.5	1665.8
20°	805.8	878.1	950.5	1033.4	1117.1	1200.0	1282.9	1343.2	1402.7	1463.0	1522.6
22.5°	578.9	637.7	696.5	796.7	896.2	996.5	1096.0	1200.7	1306.3	1411.0	1515.8
25°	440.9	477.9	515.6	614.3	713.1	811.0	909.8	1053.7	1197.7	1341.7	1485.6
27.5°	374.6	400.2	425.1	514.1	603.0	691.2	780.1	951.2	1122.3	1293.4	1464.5
30°	352.8	370.1	387.4	462.8	538.9	614.3	689.7	863.0	1036.4	1209.8	1383.1
32.5°	325.6	339.9	355.0	421.3	487.7	553.3	619.6	789.2	958.8	1127.6	1297.2
35°	294.7	310.5	325.6	392.0	458.3	523.9	590.2	765.8	941.4	1117.1	1292.7
37.5°	292.5	305.3	317.3	394.2	471.8	548.7	625.6	801.2	976.9	1151.7	1327.4
40°	289.4	301.5	313.6	392.0	469.6	548.0	625.6	809.5	993.4	1177.4	1361.3
42.5°	297.0	312.8	329.4	398.7	468.1	536.7	606.0	799.7	993.4	1186.4	1380.1
45°	307.5	327.9	348.2	411.5	474.9	538.2	601.5	811.8	1022.1	1231.6	1441.9
47.5°	317.3	327.1	336.9	397.2	456.8	517.1	576.6	791.4	1006.3	1221.1	1435.9
50°	326.4	321.1	315.8	382.2	448.5	514.1	580.4	785.4	989.7	1194.7	1399.0
52.5°	308.3	297.7	286.4	357.3	428.1	498.2	569.1	775.6	982.1	1188.7	1395.2
55°	274.4	262.3	250.2	320.3	389.7	459.8	529.1	734.9	940.7	1146.5	1352.2
57.5°	239.7	235.2	229.9	283.4	336.9	389.7	443.2	671.6	900.7	1129.1	1357.5
60°	204.3	208.8	214.1	252.5	290.9	328.6	367.1	590.9	814.1	1037.9	1261.0
62.5°	180.9	189.2	196.7	229.1	262.3	294.7	327.1	538.2	749.2	960.3	1171.3
65°	158.3	167.3	176.4	214.8	254.0	292.5	330.9	509.5	688.2	866.8	1045.5
67.5°	137.9	144.7	152.3	202.8	253.3	303.8	354.3	500.5	646.0	792.2	937.7
70°	120.6	126.6	133.4	192.2	251.0	309.8	368.6	493.0	618.1	742.4	866.8
72.5°	106.3	111.6	116.8	176.4	235.9	295.5	355.0	465.8	575.9	686.7	796.7
75°	92.7	95.0	98.0	148.5	198.2	248.7	298.5	372.4	447.0	520.8	594.7
77.5°	67.1	67.1	67.8	82.9	97.2	112.3	126.6	172.6	218.6	263.8	309.8
80°	46.0	46.7	46.7	52.8	58.0	64.1	69.3	79.1	88.2	98.0	107.0
82.5°	23.4	21.9	21.1	27.1	33.2	39.2	45.2	47.5	49.0	51.3	52.8
85°	2.3	0.8	0.0	3.8	7.5	11.3	15.1	18.1	21.1	24.1	27.1
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: P368085
 CATALOG NUMBER: MSA-SA3D-730-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: P368085

CATALOG NUMBER: MSA-SA3D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4
2.5°	1751.0	1744.9	1738.9	1732.9	1769.8	1807.5	1844.4	1881.4	1986.1	2054.7	2047.2
5°	1951.5	1978.6	2005.7	2032.9	2076.6	2121.1	2164.8	2208.5	2363.8	2458.7	2472.3
7.5°	1819.6	1861.0	1903.2	1944.7	2029.1	2112.8	2197.2	2280.9	2408.2	2507.0	2562.8
10°	1604.7	1652.2	1699.0	1746.4	1841.4	1937.1	2032.1	2127.1	2270.3	2406.7	2476.8
12.5°	1609.3	1683.9	1758.5	1833.1	1916.0	1999.0	2081.1	2164.0	2251.5	2297.4	2396.2
15°	1734.4	1793.2	1852.0	1910.8	2019.3	2127.8	2235.6	2344.2	2396.2	2507.0	2622.3
17.5°	1780.4	1895.7	2010.3	2124.8	2260.5	2395.4	2531.1	2666.0	2764.0	2917.8	3036.9
20°	1695.2	1867.8	2039.7	2212.3	2398.4	2584.6	2770.8	2957.0	3064.0	3210.2	3394.1
22.5°	1699.0	1882.1	2064.5	2247.7	2504.7	2761.0	3018.0	3274.3	3561.5	3843.4	3933.1
25°	1725.3	1965.0	2204.0	2443.7	2740.6	3037.6	3334.6	3631.6	3978.3	4274.5	4393.6
27.5°	1734.4	2004.2	2273.3	2543.2	2965.3	3387.4	3809.5	4231.6	4645.4	4980.0	5107.4
30°	1712.5	2042.7	2372.1	2701.5	3219.3	3737.1	4254.9	4772.8	5165.5	5555.2	5713.4
32.5°	1717.8	2138.4	2559.0	2979.6	3589.4	4199.9	4809.7	5419.5	5670.5	6021.7	6300.6
35°	1754.0	2215.3	2675.8	3137.1	3811.7	4486.3	5160.9	5835.6	6247.1	6617.9	6854.6
37.5°	1838.4	2349.4	2859.7	3370.8	4199.9	5029.8	5858.9	6688.0	7325.0	7961.9	8070.4
40°	1901.0	2440.7	2980.3	3520.0	4482.6	5445.1	6407.7	7370.2	8090.8	8782.0	8855.8
42.5°	1971.8	2562.8	3154.5	3745.4	4821.8	5898.1	6974.5	8050.8	8885.2	9590.0	9639.0
45°	2049.5	2657.7	3265.3	3872.8	5000.4	6127.3	7254.9	8381.7	9356.3	10174.9	9990.2
47.5°	2086.4	2736.9	3387.4	4037.9	5246.9	6455.1	7664.2	8872.4	9746.8	10468.9	10253.3
50°	2115.0	2830.3	3546.4	4261.7	5529.5	6797.3	8065.2	9333.0	10209.6	10875.9	10538.2
52.5°	2195.7	2995.4	3795.9	4595.6	5944.1	7291.8	8640.3	9988.0	10836.0	11448.0	10974.6
55°	2274.1	3195.2	4117.0	5038.1	6488.3	7939.3	9389.5	10839.7	11683.9	12208.5	11565.6
57.5°	2372.8	3388.9	4404.2	5419.5	6970.7	8521.9	10072.4	11623.6	12449.0	13028.6	12360.8
60°	2347.2	3432.6	4518.7	5604.2	7184.0	8763.9	10343.7	11923.6	12904.2	13616.5	13163.5
62.5°	2247.7	3324.0	4399.7	5476.0	7028.0	8579.2	10131.2	11682.4	12857.5	13822.3	13670.1
65°	2046.4	3046.7	4047.7	5047.9	6529.8	8012.4	9494.3	10976.1	12426.4	13654.2	13708.5
67.5°	1781.9	2626.1	3469.5	4313.7	5696.1	7078.5	8460.1	9842.5	11554.3	12986.4	13147.7
70°	1501.5	2135.4	2770.0	3403.9	4620.5	5837.1	7052.9	8269.4	10049.0	11490.2	11794.7
72.5°	1203.7	1611.5	2018.6	2425.6	3303.7	4181.1	5059.2	5936.6	7502.1	8620.7	9152.1
75°	780.1	965.6	1151.0	1336.4	1921.3	2505.5	3090.4	3674.5	4714.0	5537.8	6138.6
77.5°	347.5	385.2	422.1	459.8	911.3	1362.8	1814.3	2265.8	2717.3	3214.8	3355.7
80°	124.4	141.0	158.3	174.9	396.5	618.8	840.4	1062.0	1280.6	1537.7	1600.2
82.5°	52.0	52.0	51.3	50.5	129.6	208.8	287.9	367.1	424.4	487.7	499.7
85°	21.1	15.8	9.8	3.8	16.6	30.2	43.0	55.8	89.7	81.4	150.8
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: P368085
 CATALOG NUMBER: MSA-SA3D-730-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: P368085

CATALOG NUMBER: MSA-SA3D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4
2.5°	2018.6	2017.0	2015.5	2014.0	2012.5	1985.4	1959.0	1931.9	1905.5	1938.7	1971.8
5°	2450.5	2489.6	2528.8	2568.8	2608.0	2619.3	2630.6	2641.9	2653.2	2677.3	2701.5
7.5°	2609.5	2675.8	2741.4	2807.7	2873.3	2934.4	2994.7	3055.7	3116.8	3101.7	3086.6
10°	2554.5	2674.3	2794.2	2914.8	3034.6	3061.0	3087.4	3114.5	3140.9	3209.5	3278.1
12.5°	2494.9	2638.9	2782.9	2926.8	3070.8	3150.7	3229.8	3309.7	3389.6	3459.0	3528.3
15°	2777.6	2869.5	2961.5	3054.2	3146.2	3216.3	3285.6	3355.7	3425.1	3473.3	3520.8
17.5°	3149.2	3194.4	3239.6	3285.6	3330.8	3385.9	3440.9	3495.9	3550.9	3579.6	3608.2
20°	3541.9	3561.5	3581.1	3600.7	3620.3	3576.6	3532.8	3489.1	3445.4	3472.5	3498.9
22.5°	3936.1	3942.9	3950.4	3957.2	3964.0	3862.2	3760.5	3658.7	3557.0	3514.0	3471.0
25°	4542.9	4493.1	4443.4	4393.6	4343.9	4223.3	4102.7	3982.1	3861.5	3755.2	3648.9
27.5°	5200.1	5031.3	4863.2	4694.4	4526.3	4405.7	4285.1	4164.5	4043.9	3884.1	3724.3
30°	5862.7	5590.6	5319.2	5047.1	4775.8	4632.6	4489.4	4345.4	4202.2	4042.4	3883.3
32.5°	6470.2	6143.1	5816.0	5488.1	5160.9	4919.7	4678.5	4437.3	4196.1	4084.6	3973.0
35°	6973.7	6587.0	6200.4	5812.9	5426.3	5187.3	4948.4	4709.4	4470.5	4304.7	4139.6
37.5°	7834.5	7399.6	6964.7	6529.8	6094.8	5768.5	5442.8	5116.5	4790.1	4679.3	4568.5
40°	8628.2	8080.2	7532.3	6984.3	6436.3	6162.7	5889.8	5616.2	5343.4	5161.7	4980.8
42.5°	9259.1	8681.7	8105.1	7527.7	6950.4	6679.8	6409.9	6139.3	5868.7	5747.4	5626.8
45°	9395.5	8851.3	8307.9	7763.7	7219.4	7061.9	6905.1	6747.6	6590.8	6507.1	6424.2
47.5°	9664.6	9074.4	8485.0	7894.8	7304.6	7233.8	7162.9	7091.3	7020.5	7060.4	7100.4
50°	9815.4	9213.1	8610.9	8008.6	7406.4	7426.7	7446.3	7466.7	7487.0	7770.4	8053.1
52.5°	10107.8	9499.5	8891.3	8283.0	7674.7	7802.8	7930.2	8058.4	8185.8	8576.2	8965.9
55°	10630.2	10032.5	9434.7	8836.2	8238.5	8407.4	8576.2	8745.8	8914.6	9329.2	9743.0
57.5°	11404.3	10811.1	10218.6	9625.4	9033.0	9201.1	9369.1	9537.2	9705.3	10079.9	10453.8
60°	12378.9	11769.9	11161.6	10552.5	9944.3	10007.6	10070.1	10133.5	10196.8	10599.3	11001.0
62.5°	13137.9	12577.9	12018.6	11458.6	10899.3	10829.2	10759.8	10689.7	10620.4	10926.4	11231.7
65°	13314.3	12920.1	12526.6	12132.4	11738.2	11522.6	11307.8	11092.2	10876.7	11000.3	11123.9
67.5°	12809.3	12543.2	12277.9	12011.8	11745.7	11295.7	10845.7	10395.0	9945.0	9879.4	9813.9
70°	11637.2	11491.7	11347.0	11201.5	11056.8	10363.3	9670.6	8977.2	8284.5	8117.9	7951.3
72.5°	9183.0	9273.4	9363.9	9455.1	9545.5	8803.1	8061.4	7318.9	6576.5	6365.4	6155.1
75°	6475.5	6782.3	7089.0	7395.8	7702.6	7025.7	6349.6	5672.7	4995.9	4793.1	4591.1
77.5°	3511.0	4086.1	4661.2	5236.3	5811.4	5252.9	4695.1	4136.6	3578.1	3437.1	3296.9
80°	1664.3	1995.9	2326.8	2658.5	2990.1	2864.3	2738.4	2611.8	2485.9	2516.8	2547.7
82.5°	510.3	750.0	989.7	1229.4	1469.1	1487.9	1506.0	1524.8	1543.7	1590.4	1636.4
85°	171.1	234.4	297.7	361.0	424.4	535.9	647.5	759.8	871.3	799.0	727.4
87.5°	0.0	2.3	3.8	6.0	7.5	23.4	39.2	55.0	70.9	61.1	52.0
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: P368085
 CATALOG NUMBER: MSA-SA3D-730-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: P368085

CATALOG NUMBER: MSA-SA3D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4
2.5°	2005.7	2038.9	2039.7	2041.2	2041.9	2042.7	2046.4	2050.2	2054.7	2058.5	2033.6
5°	2726.3	2750.4	2706.0	2661.5	2616.3	2571.8	2611.8	2651.7	2691.7	2731.6	2714.3
7.5°	3070.8	3055.7	3050.4	3045.9	3040.6	3036.1	3051.2	3066.3	3081.3	3096.4	3094.9
10°	3346.7	3415.3	3431.8	3448.4	3465.8	3482.3	3447.7	3413.0	3378.3	3343.6	3329.3
12.5°	3597.7	3667.0	3722.0	3777.1	3832.8	3887.9	3838.1	3789.1	3739.4	3690.4	3643.6
15°	3569.0	3616.5	3661.7	3707.0	3752.2	3797.4	3780.8	3765.0	3748.4	3731.8	3724.3
17.5°	3637.6	3666.3	3655.7	3645.1	3633.8	3623.3	3618.0	3613.5	3608.2	3602.9	3584.8
20°	3526.1	3553.2	3546.4	3540.4	3533.6	3526.8	3522.3	3517.8	3513.2	3508.7	3494.4
22.5°	3428.1	3385.1	3373.8	3363.2	3351.9	3341.4	3342.9	3344.4	3345.2	3346.7	3411.5
25°	3542.6	3436.4	3394.9	3353.4	3311.2	3269.8	3288.6	3306.7	3325.6	3344.4	3437.9
27.5°	3563.7	3403.9	3337.6	3271.3	3205.0	3138.6	3206.5	3274.3	3342.1	3410.0	3561.5
30°	3723.5	3564.5	3471.8	3379.8	3287.1	3195.2	3281.8	3368.5	3455.2	3541.9	3706.2
32.5°	3860.7	3749.2	3682.8	3616.5	3550.2	3483.8	3487.6	3490.6	3494.4	3498.2	3729.6
35°	3973.8	3808.7	3748.4	3688.9	3628.6	3569.0	3658.7	3748.4	3838.1	3927.8	4135.8
37.5°	4457.7	4346.9	4236.1	4126.0	4015.2	3905.2	3976.8	4048.4	4120.8	4192.4	4422.3
40°	4799.1	4618.2	4589.6	4561.7	4533.1	4505.2	4542.1	4578.3	4615.2	4652.2	4853.4
42.5°	5505.4	5384.1	5306.4	5229.5	5151.9	5075.0	5104.4	5133.8	5164.0	5193.4	5384.1
45°	6340.6	6256.9	6205.6	6154.4	6102.4	6051.1	6006.7	5962.9	5918.5	5874.7	6068.5
47.5°	7140.3	7180.2	7293.3	7405.6	7518.7	7631.0	7539.0	7447.1	7354.4	7262.4	7263.2
50°	8336.5	8619.2	8676.4	8733.0	8790.3	8846.8	8650.8	8454.8	8258.1	8062.1	8038.8
52.5°	9356.3	9746.0	9766.4	9786.7	9807.8	9828.2	9749.0	9669.9	9590.0	9510.9	9300.6
55°	10157.6	10571.4	10599.3	10626.4	10654.3	10681.4	10612.1	10543.5	10474.1	10404.8	10192.2
57.5°	10828.4	11202.3	11218.9	11234.7	11251.3	11267.9	11273.1	11278.4	11284.4	11289.7	11002.5
60°	11403.5	11806.0	11772.9	11740.5	11707.3	11674.9	11625.1	11575.4	11525.6	11475.9	11290.5
62.5°	11537.7	11843.7	11792.5	11742.0	11690.7	11640.2	11598.0	11556.5	11514.3	11472.1	11353.8
65°	11247.5	11371.1	11318.4	11265.6	11212.1	11159.3	11132.2	11105.8	11078.7	11051.5	11036.4
67.5°	9747.5	9682.0	9744.5	9807.1	9869.6	9932.2	10017.4	10102.5	10188.5	10273.7	10223.9
70°	7784.0	7617.4	7686.8	7755.4	7824.7	7893.3	8022.2	8151.1	8280.7	8409.6	8374.9
72.5°	5944.1	5733.0	5742.8	5752.6	5763.2	5773.0	5769.2	5766.2	5762.4	5758.7	5819.0
75°	4388.3	4185.6	4089.9	3994.1	3898.4	3802.7	3779.3	3756.0	3732.6	3709.2	3821.5
77.5°	3156.0	3015.8	2950.2	2885.4	2819.8	2755.0	2788.1	2821.3	2855.2	2888.4	2927.6
80°	2579.3	2610.2	2559.7	2510.0	2459.5	2409.0	2446.7	2483.6	2521.3	2559.0	2442.2
82.5°	1683.1	1729.1	1573.8	1418.6	1263.3	1108.0	1202.2	1296.5	1391.4	1485.6	1437.4
85°	655.0	583.4	497.5	412.3	326.4	240.4	312.8	385.2	457.5	529.9	578.1
87.5°	42.2	33.2	26.4	19.6	12.1	5.3	11.3	17.3	24.1	30.2	50.5
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: P368085
 CATALOG NUMBER: MSA-SA3D-730-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: P368085

CATALOG NUMBER: MSA-SA3D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4	1593.4
2.5°	2009.5	1984.6	1960.5	1913.0	1865.5	1818.1	1770.6	1836.9	1903.2	1969.6	2035.9
5°	2697.7	2680.3	2663.8	2668.3	2672.8	2678.1	2682.6	2692.4	2702.2	2711.2	2721.0
7.5°	3094.2	3092.6	3091.1	3056.5	3021.8	2986.4	2951.7	2969.0	2986.4	3003.7	3021.0
10°	3315.8	3301.4	3287.1	3211.0	3134.9	3058.0	2981.8	2948.7	2914.8	2881.6	2848.4
12.5°	3596.9	3549.4	3502.7	3421.3	3340.6	3259.2	3177.8	3147.7	3116.8	3086.6	3055.7
15°	3717.5	3710.0	3703.2	3645.1	3586.4	3528.3	3469.5	3366.3	3262.2	3159.0	3055.7
17.5°	3566.8	3547.9	3529.8	3621.8	3713.0	3804.9	3896.9	3789.9	3682.8	3575.8	3468.8
20°	3480.1	3465.8	3451.4	3622.5	3792.9	3964.0	4134.3	4086.8	4038.6	3991.1	3943.6
22.5°	3476.3	3541.9	3606.7	3756.7	3905.9	4055.9	4205.2	4287.3	4370.3	4452.4	4534.6
25°	3531.3	3625.6	3719.0	3967.8	4216.5	4466.0	4714.7	4808.9	4902.4	4996.6	5090.1
27.5°	3712.2	3863.7	4014.5	4231.6	4448.6	4666.5	4883.6	5089.3	5295.9	5501.6	5707.4
30°	3869.8	4034.1	4198.4	4456.9	4714.7	4973.3	5231.0	5488.8	5746.6	6004.4	6262.2
32.5°	3961.0	4193.1	4424.5	4738.8	5052.4	5366.7	5681.0	5963.7	6246.3	6528.3	6810.9
35°	4343.9	4552.7	4760.7	5108.2	5455.7	5803.9	6151.4	6501.1	6850.9	7199.8	7549.6
37.5°	4652.2	4882.8	5112.7	5492.6	5871.7	6251.6	6631.5	7114.7	7598.6	8081.7	8564.9
40°	5054.7	5255.9	5457.2	5812.9	6168.0	6523.7	6879.5	7492.3	8105.1	8717.2	9330.0
42.5°	5574.0	5764.7	5955.4	6336.0	6716.7	7097.3	7478.0	8156.4	8834.7	9512.4	10190.7
45°	6262.2	6456.6	6650.4	6953.4	7256.4	7559.4	7862.4	8583.7	9304.3	10025.7	10746.3
47.5°	7263.9	7264.7	7265.4	7484.0	7702.6	7921.9	8140.5	8867.1	9593.0	10319.6	11045.5
50°	8015.4	7991.3	7967.9	8081.0	8193.3	8306.4	8419.4	9088.0	9757.3	10425.9	11094.5
52.5°	9091.0	8880.7	8671.2	8738.3	8804.6	8871.7	8938.0	9504.1	10070.9	10637.0	11203.0
55°	9980.4	9767.9	9555.3	9530.5	9505.6	9480.7	9455.8	9976.7	10497.5	11018.4	11539.2
57.5°	10716.1	10428.9	10142.5	10085.2	10028.7	9971.4	9914.1	10463.6	11012.3	11561.8	12110.5
60°	11105.8	10920.4	10734.9	10698.0	10660.3	10623.4	10585.7	11036.4	11487.2	11937.9	12388.7
62.5°	11236.2	11117.9	11000.3	11069.6	11139.0	11209.1	11278.4	11476.6	11674.1	11872.4	12069.8
65°	11022.1	11007.1	10992.0	11134.4	11276.1	11418.6	11561.1	11512.1	11462.3	11413.3	11364.3
67.5°	10174.9	10125.2	10076.2	10389.0	10701.0	11013.8	11326.6	11089.2	10851.0	10613.6	10376.2
70°	8340.3	8304.8	8270.2	8720.9	9171.7	9623.2	10073.9	9786.0	9498.0	9210.1	8922.2
72.5°	5878.5	5938.8	5999.1	6530.5	7061.2	7592.6	8123.2	7833.0	7542.8	7252.6	6962.4
75°	3933.1	4045.4	4157.7	4704.9	5252.1	5800.1	6347.4	6006.7	5666.0	5325.3	4984.6
77.5°	2966.8	3006.0	3045.2	3391.1	3737.1	4083.8	4429.8	4148.7	3866.8	3585.6	3303.7
80°	2325.3	2207.7	2090.9	2204.7	2318.5	2432.4	2546.2	2378.1	2210.0	2042.7	1874.6
82.5°	1389.2	1340.9	1292.7	1354.5	1415.5	1477.4	1539.2	1466.8	1393.7	1321.3	1248.2
85°	625.6	673.9	721.3	783.9	845.7	908.3	970.8	869.8	768.8	667.8	566.8
87.5°	70.1	90.5	110.8	137.2	163.6	189.9	216.3	168.8	120.6	73.1	25.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368085
 CATALOG NUMBER: MSA-SA3D-730-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: P368085
 CATALOG NUMBER: MSA-SA3D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	1593.4	1593.4
2.5°	2074.3	2112.8
5°	2720.3	2718.8
7.5°	2975.8	2929.8
10°	2806.2	2764.0
12.5°	2947.9	2840.1
15°	2974.3	2892.9
17.5°	3336.1	3202.7
20°	3772.5	3600.7
22.5°	4299.4	4063.5
25°	4809.7	4529.3
27.5°	5539.3	5370.5
30°	6091.8	5920.7
32.5°	6694.8	6578.8
35°	7434.3	7318.2
37.5°	8595.0	8624.4
40°	9348.0	9366.1
42.5°	10260.8	10330.9
45°	10824.6	10903.0
47.5°	11154.8	11264.1
50°	11270.9	11447.2
52.5°	11420.9	11637.9
55°	11781.2	12023.1
57.5°	12303.5	12496.5
60°	12397.7	12406.8
62.5°	11930.4	11791.0
65°	11215.8	11067.4
67.5°	10286.5	10196.0
70°	8803.1	8684.0
72.5°	6740.8	6519.2
75°	4710.2	4435.8
77.5°	3159.7	3015.8
80°	1879.1	1882.9
82.5°	1282.9	1316.8
85°	560.0	552.5
87.5°	18.1	9.8
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: P368085
CATALOG NUMBER: MSA-SA3D-730-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)