

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: P366633

Luminaire Tested: **MSA-SA1A-730-U-SLR-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P366633
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-SA1A-730-U-SLR-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) 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: 2685 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

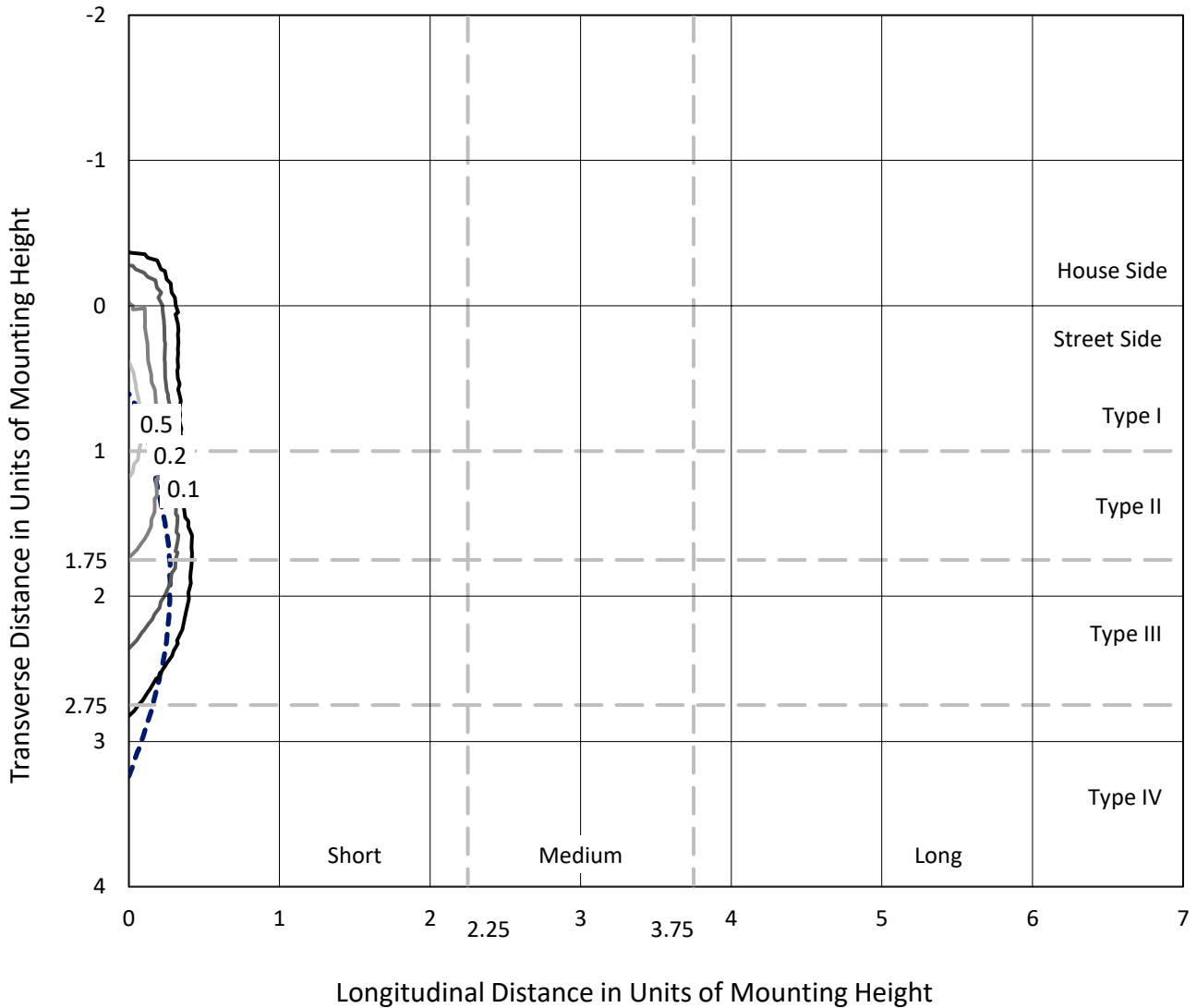
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P366633
 CATALOG NUMBER: MSA-SA1A-730-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination

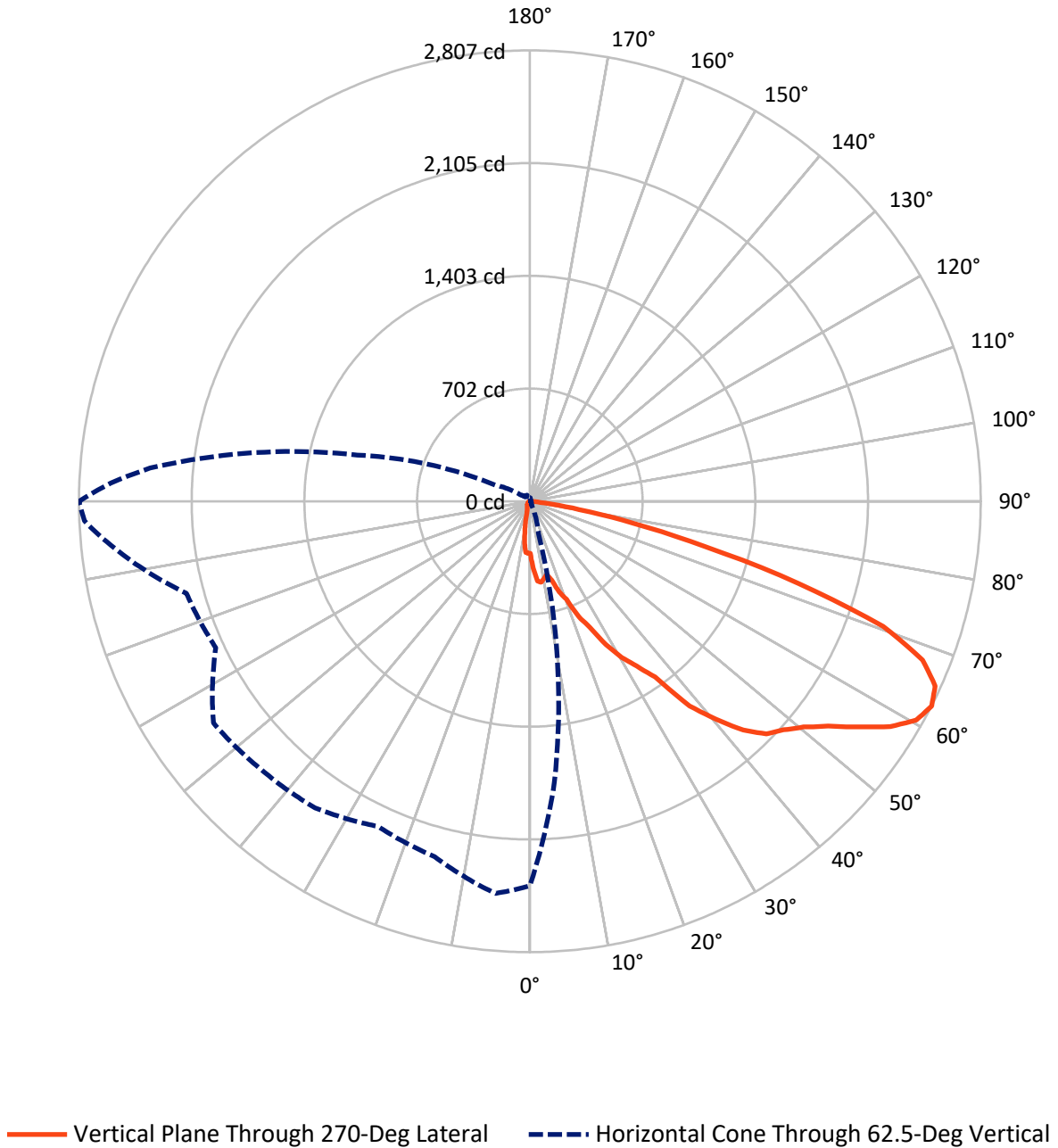
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P366633
CATALOG NUMBER: MSA-SA1A-730-U-SLR-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P366633
 CATALOG NUMBER: MSA-SA1A-730-U-SLR-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	448.4	0.0	448.4
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	2236.6	0.0	2236.6
	% Fixture	83.3	0.0	83.3
Total	Lumens	2685.0	0.0	2685.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.2	1.3
10°-20°	94.4	3.5
20°-30°	152.6	5.7
30°-40°	255.6	9.5
40°-50°	417.9	15.6
50°-60°	618.6	23.0
60°-70°	710.2	26.5
70°-80°	351.2	13.1
80°-90°	48.2	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°	2685.0	100.0
0°-180°	2685.0	100.0

Coefficient of Utilization

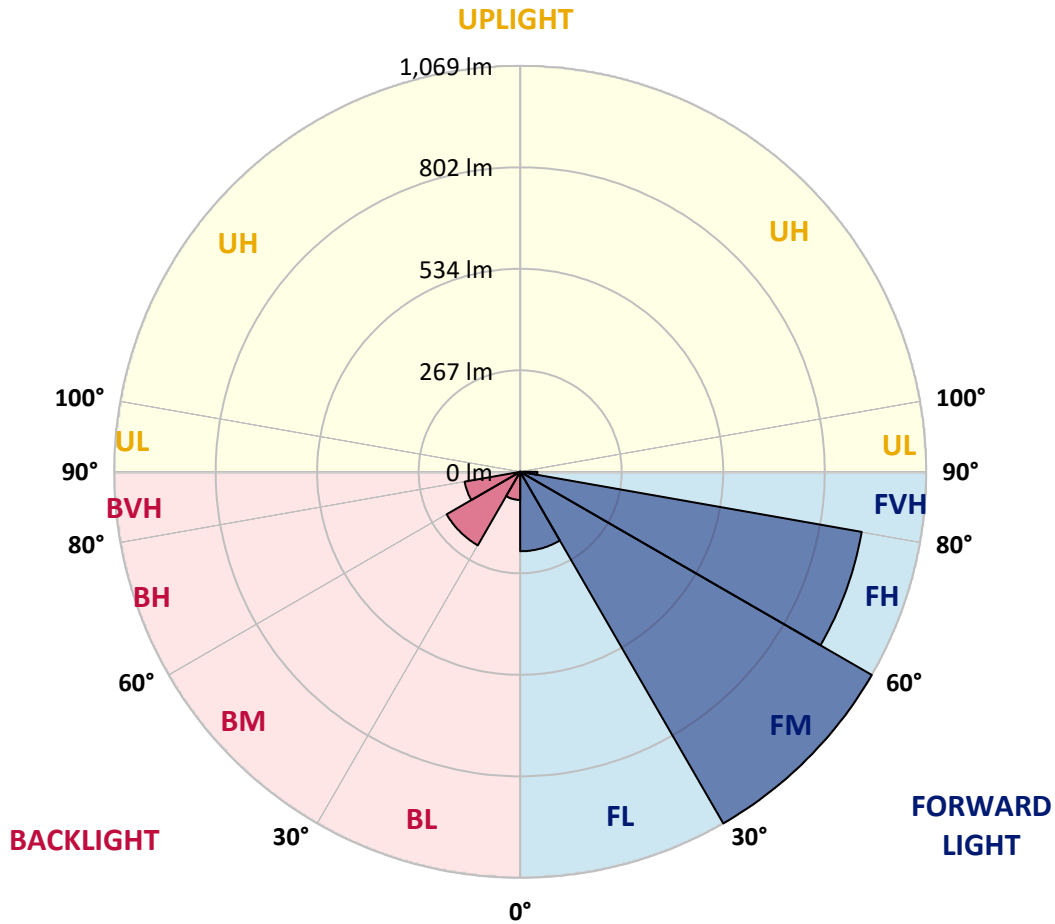


REPORT NUMBER: P366633
 CATALOG NUMBER: MSA-SA1A-730-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	209.2	7.8			
FM (30°-60°)	1068.8	39.8			
FH (60°-80°)	913.0	34.0			G1/1800
FVH (80°-90°)	45.7	1.7			G1/100
BL (0°-30°)	74.0	2.8	B0/110		
BM (30°-60°)	223.4	8.3	B1/1000		
BH (60°-80°)	148.3	5.5	B1/500		G1/500
BVH (80°-90°)	2.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type IV Short





REPORT NUMBER: P366633

CATALOG NUMBER: MSA-SA1A-730-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6
2.5°	429.0	434.4	439.6	429.6	419.7	409.7	399.8	390.9	382.0	373.0	364.1
5°	552.1	542.3	532.5	519.0	505.5	492.1	478.6	472.3	466.0	459.8	453.5
7.5°	594.9	577.5	559.9	547.9	536.1	524.2	512.3	493.4	474.5	455.6	436.7
10°	561.2	542.7	524.1	513.6	503.2	492.8	482.4	459.0	435.4	412.0	388.4
12.5°	576.7	556.7	536.6	515.2	493.8	472.3	450.9	433.0	414.9	397.0	379.0
15°	587.4	564.5	541.4	516.9	492.4	467.9	443.4	422.3	401.3	380.2	359.1
17.5°	650.3	617.4	584.5	546.9	509.2	471.6	433.9	409.4	385.1	360.6	336.1
20°	731.1	684.5	637.6	586.7	535.7	484.7	433.8	403.3	372.8	342.4	311.9
22.5°	825.1	766.8	708.3	645.4	582.7	519.8	456.9	413.1	369.3	325.5	281.8
25°	919.7	867.0	814.4	729.8	645.1	560.3	475.7	420.1	364.4	308.9	253.2
27.5°	1090.5	996.4	902.3	794.5	686.9	579.2	471.4	407.7	344.1	280.2	216.6
30°	1202.2	1129.8	1057.3	915.0	772.8	630.4	488.1	407.4	326.8	246.0	165.3
32.5°	1335.9	1229.9	1123.9	969.4	815.0	660.6	506.1	411.4	316.5	221.8	126.9
35°	1486.0	1370.7	1255.5	1059.9	864.3	668.5	472.9	381.1	289.3	197.4	105.6
37.5°	1751.2	1558.4	1365.5	1137.5	909.3	681.2	453.0	361.4	269.5	177.8	86.0
40°	1901.8	1717.7	1533.6	1248.6	963.6	678.6	393.7	312.2	231.0	149.5	68.1
42.5°	2097.8	1864.2	1630.5	1312.0	993.5	675.0	356.5	281.2	205.9	130.4	55.1
45°	2213.9	1949.3	1684.7	1339.5	994.4	649.3	304.1	238.9	173.7	108.5	43.3
47.5°	2287.2	2021.8	1756.4	1385.9	1015.5	645.0	274.4	214.4	154.4	94.4	34.4
50°	2324.4	2058.3	1792.0	1411.2	1030.4	649.4	268.6	208.9	149.1	89.4	29.5
52.5°	2363.1	2106.5	1849.7	1454.9	1060.2	665.5	270.8	209.8	149.1	88.2	27.2
55°	2441.4	2188.2	1934.9	1517.7	1100.5	683.2	266.0	206.0	146.0	85.9	25.9
57.5°	2537.5	2266.9	1996.1	1563.6	1131.1	698.5	266.0	205.7	145.4	84.9	24.6
60°	2519.3	2225.6	1931.7	1512.0	1092.3	672.5	252.8	195.4	138.2	80.8	23.4
62.5°	2394.2	2075.4	1756.4	1368.6	980.6	592.8	204.8	159.0	113.3	67.3	21.6
65°	2247.3	1908.9	1570.3	1213.4	856.3	499.4	142.3	111.7	81.0	50.4	19.6
67.5°	2070.4	1709.5	1348.6	1031.1	713.8	396.4	79.0	63.7	48.4	32.9	17.6
70°	1763.3	1390.8	1018.1	774.1	530.3	286.4	42.4	35.8	29.2	22.7	16.1
72.5°	1323.8	982.5	641.1	487.0	333.0	178.9	24.8	22.3	19.7	17.3	14.7
75°	900.7	645.0	389.2	296.3	203.6	110.7	17.8	16.5	15.2	13.9	12.6
77.5°	612.4	442.9	273.5	208.8	144.0	79.3	14.5	13.8	13.0	12.1	11.3
80°	382.3	261.7	141.1	108.7	76.1	43.6	11.0	10.6	10.1	9.5	9.0
82.5°	267.4	159.9	52.5	41.0	29.5	17.9	6.4	6.6	6.7	6.7	6.9
85°	112.2	60.6	9.0	7.7	6.3	4.9	3.5	3.8	4.3	4.6	4.9
87.5°	2.0	1.1	0.0	0.3	0.8	1.1	1.4	1.8	2.1	2.6	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366633
 CATALOG NUMBER: MSA-SA1A-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: P366633
 CATALOG NUMBER: MSA-SA1A-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°	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6
2.5°	366.4	368.7	370.8	373.1	371.3	369.6	367.8	366.0	363.2	360.6	357.8
5°	445.8	438.2	430.5	422.9	411.3	399.6	387.8	376.2	374.8	373.5	371.9
7.5°	418.8	400.8	382.8	364.9	348.0	331.2	314.4	297.5	292.3	287.3	282.1
10°	374.7	360.9	347.0	333.2	321.1	308.9	296.8	284.5	271.8	259.1	246.3
12.5°	364.6	350.2	335.6	321.3	310.2	299.2	288.2	277.2	262.9	248.7	234.5
15°	343.5	327.8	312.2	296.6	281.9	267.2	252.4	237.7	220.6	203.4	186.3
17.5°	317.6	299.2	280.7	262.2	242.9	223.6	204.3	185.0	165.3	145.7	126.0
20°	286.8	261.7	236.5	211.4	187.5	163.6	139.6	115.7	103.3	91.1	78.7
22.5°	249.3	216.7	184.3	151.7	132.1	112.3	92.8	73.0	67.6	62.3	56.9
25°	216.3	179.4	142.5	105.6	93.2	80.8	68.4	56.0	53.6	51.0	48.5
27.5°	181.8	147.2	112.5	77.8	70.7	63.5	56.5	49.3	47.6	46.1	44.4
30°	139.4	113.6	87.5	61.7	57.1	52.5	47.8	43.2	42.4	41.5	40.7
32.5°	108.1	89.1	70.3	51.3	48.7	46.1	43.5	40.9	39.6	38.4	37.0
35°	90.3	75.1	59.8	44.5	42.7	40.7	38.9	36.9	35.7	34.3	33.1
37.5°	74.8	63.8	52.7	41.5	39.5	37.5	35.4	33.4	32.4	31.5	30.6
40°	61.7	55.3	48.8	42.4	39.5	36.6	33.7	30.8	30.0	29.2	28.5
42.5°	51.0	46.8	42.5	38.4	36.3	34.3	32.1	30.0	28.9	27.7	26.6
45°	41.2	38.9	36.7	34.4	34.6	34.7	34.7	34.9	32.1	29.2	26.5
47.5°	33.4	32.3	31.1	30.0	31.2	32.4	33.5	34.7	31.8	28.9	25.9
50°	28.6	27.9	26.9	26.0	27.2	28.6	29.8	31.1	29.8	28.8	27.5
52.5°	26.2	25.1	24.0	23.0	23.4	24.0	24.5	24.9	24.9	24.9	24.9
55°	24.6	23.6	22.3	21.1	20.7	20.1	19.6	19.0	18.2	17.6	16.8
57.5°	23.4	22.2	20.8	19.6	18.8	17.9	17.1	16.2	15.5	14.5	13.8
60°	22.2	21.0	19.6	18.4	17.6	16.8	15.9	15.2	14.2	13.5	12.6
62.5°	20.5	19.4	18.4	17.3	16.5	15.9	15.2	14.4	13.5	12.6	11.5
65°	18.7	17.9	17.0	16.1	15.3	14.5	13.8	13.0	12.1	11.3	10.4
67.5°	17.0	16.2	15.6	14.8	13.9	13.2	12.2	11.3	10.7	10.1	9.3
70°	15.6	15.0	14.5	13.9	13.0	12.2	11.3	10.4	9.9	9.3	8.9
72.5°	14.2	13.8	13.2	12.7	11.9	11.2	10.4	9.6	9.2	8.7	8.3
75°	12.2	11.9	11.6	11.3	10.6	9.8	8.9	8.1	8.0	7.8	7.7
77.5°	11.0	10.9	10.6	10.3	9.5	8.7	8.0	7.2	7.3	7.5	7.5
80°	9.0	9.0	8.9	8.9	8.3	7.7	6.9	6.3	6.6	7.0	7.3
82.5°	6.9	6.9	6.9	6.9	6.3	5.7	5.1	4.4	4.9	5.2	5.7
85°	4.7	4.6	4.4	4.3	3.8	3.5	3.1	2.6	3.2	3.7	4.3
87.5°	2.9	3.1	3.1	3.1	2.8	2.3	2.0	1.5	1.8	2.0	2.3
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: P366633
 CATALOG NUMBER: MSA-SA1A-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: P366633
 CATALOG NUMBER: MSA-SA1A-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6
2.5°	355.1	350.5	345.9	341.2	336.6	325.9	315.1	304.4	293.7	301.7	309.5
5°	370.5	361.7	352.6	343.8	334.7	330.7	326.9	322.9	319.0	319.6	320.3
7.5°	276.9	271.1	265.2	259.3	253.5	252.2	251.2	249.9	248.7	251.3	253.8
10°	233.6	225.4	217.2	209.1	200.8	196.4	191.9	187.5	183.1	182.6	182.0
12.5°	220.2	207.8	195.6	183.2	170.8	161.2	151.5	141.9	132.2	133.0	133.8
15°	169.1	156.7	144.5	132.1	119.7	111.9	103.9	96.1	88.2	85.9	83.6
17.5°	106.2	97.0	87.9	78.5	69.3	66.7	64.3	61.7	59.1	58.3	57.5
20°	66.3	62.3	58.3	54.2	50.2	49.6	49.0	48.4	47.8	48.2	48.7
22.5°	51.6	49.9	48.1	46.4	44.5	43.9	43.3	42.7	42.1	42.5	42.9
25°	45.9	44.7	43.5	42.2	41.0	40.4	39.6	39.0	38.3	38.6	39.0
27.5°	42.7	41.6	40.6	39.5	38.4	37.3	36.4	35.4	34.3	34.9	35.4
30°	39.8	38.6	37.5	36.3	35.0	34.0	32.9	31.7	30.6	31.2	31.8
32.5°	35.8	34.7	33.5	32.4	31.2	30.6	30.0	29.2	28.6	29.1	29.4
35°	31.7	30.8	30.0	29.1	28.2	27.5	27.1	26.5	25.9	26.0	26.3
37.5°	29.7	28.6	27.5	26.5	25.4	25.1	24.8	24.3	24.0	24.0	24.0
40°	27.7	26.6	25.6	24.3	23.3	22.8	22.3	21.9	21.4	21.4	21.4
42.5°	25.4	24.3	23.3	22.2	21.1	20.7	20.1	19.6	19.0	19.0	19.0
45°	23.6	22.5	21.6	20.5	19.4	18.7	17.9	17.0	16.2	16.1	15.9
47.5°	23.0	21.4	19.9	18.4	16.8	16.1	15.3	14.4	13.6	13.5	13.3
50°	26.3	23.3	20.2	17.1	14.1	13.5	12.9	12.2	11.6	11.3	11.2
52.5°	24.9	21.7	18.5	15.3	12.1	11.6	11.2	10.7	10.3	9.9	9.6
55°	16.1	14.7	13.5	12.1	10.7	10.4	10.1	9.6	9.3	9.0	8.7
57.5°	12.9	12.1	11.5	10.7	9.9	9.6	9.3	8.9	8.6	8.1	7.8
60°	11.6	11.0	10.4	9.8	9.2	8.9	8.6	8.3	8.0	7.5	7.2
62.5°	10.6	10.1	9.6	9.2	8.7	8.4	8.1	7.8	7.5	7.0	6.6
65°	9.5	9.2	8.9	8.6	8.3	8.0	7.7	7.2	6.9	6.4	6.0
67.5°	8.7	8.6	8.4	8.3	8.1	7.8	7.3	7.0	6.6	6.1	5.5
70°	8.3	8.3	8.3	8.1	8.1	7.8	7.3	7.0	6.6	6.0	5.5
72.5°	7.8	8.0	8.1	8.1	8.3	7.8	7.3	6.9	6.4	5.8	5.4
75°	7.5	7.7	7.8	7.8	8.0	7.7	7.3	6.9	6.6	6.0	5.4
77.5°	7.7	7.8	7.8	8.0	8.0	7.7	7.3	6.9	6.6	5.8	5.1
80°	7.7	7.5	7.3	7.0	6.9	6.3	5.7	4.9	4.3	3.4	2.6
82.5°	6.0	5.7	5.5	5.2	4.9	4.3	3.7	3.1	2.4	1.8	1.2
85°	4.7	4.4	4.3	4.0	3.7	3.2	2.6	2.1	1.5	1.2	0.8
87.5°	2.4	2.3	2.0	1.8	1.5	1.2	0.8	0.5	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: P366633
 CATALOG NUMBER: MSA-SA1A-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: P366633
 CATALOG NUMBER: MSA-SA1A-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°	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6
2.5°	317.4	325.2	324.2	323.1	328.1	333.2	329.5	326.0	322.3	318.7	311.0
5°	321.0	321.6	320.5	319.3	319.4	319.6	317.1	314.7	312.2	309.8	309.3
7.5°	256.4	258.8	262.2	265.4	265.5	265.5	263.7	261.9	259.9	258.0	259.0
10°	181.5	180.9	181.8	182.7	182.6	182.3	187.2	192.1	196.8	201.7	198.2
12.5°	134.4	135.1	131.3	127.5	128.9	130.1	130.9	131.6	132.4	133.2	135.3
15°	81.3	79.0	76.2	73.5	74.8	76.1	77.4	78.7	80.0	81.3	82.6
17.5°	56.6	55.9	54.6	53.3	53.4	53.6	53.7	53.9	53.9	54.0	54.3
20°	49.1	49.6	48.7	47.6	47.3	46.8	46.5	46.2	45.8	45.5	45.0
22.5°	43.3	43.6	43.8	43.8	43.2	42.4	41.8	41.3	40.7	40.1	39.8
25°	39.3	39.6	39.3	38.9	38.6	38.3	38.0	37.5	37.2	36.7	36.6
27.5°	36.0	36.4	36.4	36.3	36.0	35.5	34.7	34.1	33.4	32.6	32.8
30°	32.4	33.1	33.1	32.9	32.8	32.6	31.8	31.1	30.3	29.5	29.8
32.5°	29.8	30.2	30.0	29.8	29.8	29.7	29.1	28.6	28.0	27.4	27.4
35°	26.5	26.6	26.6	26.6	26.6	26.5	26.0	25.6	25.1	24.6	24.8
37.5°	24.0	24.0	24.5	24.8	24.5	24.2	23.9	23.4	23.1	22.7	22.7
40°	21.3	21.3	21.7	22.0	21.7	21.4	21.3	21.0	20.8	20.5	20.5
42.5°	18.8	18.8	19.3	19.6	19.6	19.4	19.1	18.8	18.5	18.2	18.4
45°	15.8	15.6	16.4	17.0	16.7	16.4	16.4	16.2	16.2	16.1	16.2
47.5°	13.0	12.9	13.5	14.1	13.9	13.6	13.6	13.6	13.6	13.6	13.8
50°	10.9	10.6	11.2	11.6	11.5	11.2	11.2	11.3	11.3	11.3	11.5
52.5°	9.3	9.0	9.5	9.8	9.6	9.5	9.5	9.6	9.6	9.6	9.8
55°	8.3	8.0	8.4	8.7	8.6	8.3	8.4	8.4	8.6	8.6	8.6
57.5°	7.3	6.9	7.2	7.5	7.5	7.3	7.5	7.5	7.7	7.7	7.7
60°	6.7	6.3	6.6	6.7	6.7	6.6	6.7	6.7	6.9	6.9	6.9
62.5°	6.0	5.5	5.8	6.0	6.0	5.8	6.0	6.0	6.1	6.1	6.1
65°	5.4	4.9	5.1	5.2	5.2	5.2	5.4	5.4	5.5	5.5	5.5
67.5°	5.1	4.4	4.6	4.7	4.7	4.7	4.9	4.9	5.1	5.1	5.2
70°	4.9	4.3	4.4	4.4	4.6	4.6	4.6	4.7	4.7	4.7	4.7
72.5°	4.7	4.1	4.1	4.1	4.3	4.3	4.3	4.4	4.4	4.4	4.4
75°	4.7	4.1	4.0	3.8	4.0	4.0	4.0	4.1	4.1	4.1	4.1
77.5°	4.1	3.4	3.1	2.6	3.1	3.4	3.5	3.5	3.7	3.7	3.7
80°	1.7	0.8	0.5	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1
82.5°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.5	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: P366633
 CATALOG NUMBER: MSA-SA1A-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: P366633
 CATALOG NUMBER: MSA-SA1A-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6
2.5°	303.4	295.7	288.0	291.7	295.4	299.1	302.7	302.4	302.0	301.7	301.2
5°	309.0	308.6	308.1	306.0	304.0	301.8	299.7	299.2	298.6	298.1	297.5
7.5°	259.9	260.7	261.6	259.1	256.7	254.2	251.8	245.5	239.2	232.8	226.5
10°	194.7	191.0	187.5	187.2	186.9	186.6	186.3	185.7	185.0	184.3	183.7
12.5°	137.6	139.7	141.9	141.1	140.4	139.4	138.7	139.7	141.0	142.0	143.1
15°	83.9	85.3	86.5	89.2	92.0	94.7	97.5	98.6	99.8	100.9	101.9
17.5°	54.6	54.8	55.1	58.2	61.1	64.1	67.0	69.0	71.0	72.9	74.8
20°	44.5	44.1	43.6	45.3	47.0	48.7	50.4	52.2	54.0	55.9	57.7
22.5°	39.6	39.3	39.0	39.6	40.3	40.7	41.3	42.7	44.2	45.6	47.0
25°	36.4	36.1	36.0	36.3	36.6	36.9	37.2	38.0	38.7	39.5	40.3
27.5°	32.8	32.9	32.9	33.2	33.4	33.7	33.8	34.1	34.6	34.9	35.2
30°	30.0	30.3	30.5	30.8	30.9	31.2	31.4	31.2	31.1	30.9	30.8
32.5°	27.4	27.2	27.2	27.5	27.7	28.0	28.2	28.5	28.8	28.9	29.2
35°	24.8	24.9	24.9	24.9	25.1	25.1	25.1	25.4	25.9	26.2	26.5
37.5°	22.5	22.5	22.3	22.8	23.1	23.6	23.9	24.2	24.6	24.9	25.3
40°	20.5	20.5	20.5	20.8	21.1	21.3	21.6	22.3	23.1	23.9	24.6
42.5°	18.4	18.5	18.5	18.8	19.1	19.3	19.6	20.2	20.7	21.3	21.7
45°	16.4	16.5	16.7	17.0	17.1	17.4	17.6	17.9	18.1	18.4	18.5
47.5°	14.1	14.2	14.4	14.7	14.8	15.2	15.3	15.2	15.2	15.0	14.8
50°	11.8	11.9	12.1	12.6	12.9	13.3	13.6	13.3	13.0	12.6	12.2
52.5°	9.9	9.9	10.1	10.4	10.7	10.9	11.2	11.0	10.9	10.7	10.6
55°	8.6	8.6	8.6	8.7	8.9	9.0	9.2	9.3	9.3	9.5	9.5
57.5°	7.7	7.5	7.5	7.7	7.8	7.8	8.0	8.1	8.1	8.3	8.3
60°	6.9	6.7	6.7	6.9	7.0	7.2	7.3	7.3	7.3	7.2	7.2
62.5°	6.1	6.1	6.1	6.3	6.3	6.4	6.4	6.4	6.6	6.6	6.6
65°	5.7	5.7	5.7	5.7	5.7	5.5	5.5	5.7	5.7	5.8	5.8
67.5°	5.2	5.4	5.4	5.2	5.1	4.9	4.7	4.9	4.9	5.1	5.1
70°	4.7	4.7	4.7	4.6	4.4	4.3	4.1	4.1	4.1	4.0	4.0
72.5°	4.4	4.3	4.3	4.1	3.8	3.7	3.4	3.2	3.2	3.1	2.9
75°	4.1	4.0	4.0	3.7	3.4	3.1	2.8	2.6	2.3	2.1	1.8
77.5°	3.7	3.7	3.7	3.2	2.9	2.4	2.0	1.7	1.4	0.9	0.6
80°	1.2	1.4	1.5	1.4	1.4	1.2	1.1	0.8	0.6	0.3	0.0
82.5°	0.2	0.2	0.2	0.2	0.2	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: P366633
 CATALOG NUMBER: MSA-SA1A-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: P366633
 CATALOG NUMBER: MSA-SA1A-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°	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6
2.5°	302.9	304.6	306.3	307.9	308.1	308.2	308.4	308.6	304.7	300.8	296.9
5°	300.6	303.8	306.9	309.9	308.2	306.6	304.9	303.2	303.0	303.0	302.9
7.5°	227.0	227.3	227.7	228.0	228.7	229.3	229.7	230.3	232.8	235.2	237.5
10°	181.7	179.7	177.5	175.6	174.0	172.3	170.8	169.1	170.3	171.7	173.0
12.5°	141.4	139.7	137.9	136.2	135.6	135.0	134.2	133.6	137.6	141.6	145.4
15°	101.6	101.3	100.9	100.6	102.5	104.5	106.5	108.5	111.9	115.1	118.5
17.5°	75.6	76.4	77.1	77.9	79.1	80.4	81.4	82.6	85.1	87.7	90.1
20°	58.6	59.7	60.6	61.5	61.2	60.9	60.5	60.2	62.1	64.1	66.0
22.5°	47.9	48.7	49.6	50.4	50.5	50.7	50.8	51.0	52.2	53.3	54.5
25°	41.0	41.9	42.7	43.5	43.6	43.8	43.9	44.1	45.6	47.1	48.5
27.5°	36.3	37.2	38.3	39.2	39.5	39.8	40.1	40.4	41.3	42.1	43.0
30°	32.0	33.2	34.4	35.7	36.1	36.6	37.0	37.5	38.4	39.5	40.4
32.5°	29.8	30.6	31.2	31.8	32.9	33.8	34.9	35.8	36.9	38.1	39.2
35°	27.4	28.2	29.1	29.8	30.6	31.4	32.0	32.8	33.4	34.0	34.4
37.5°	25.9	26.6	27.2	27.9	28.2	28.5	28.6	28.9	29.2	29.5	29.7
40°	24.6	24.5	24.5	24.3	24.6	25.1	25.4	25.7	26.6	27.4	28.3
42.5°	21.4	21.0	20.7	20.2	21.0	21.6	22.3	23.0	24.2	25.4	26.6
45°	18.2	17.9	17.4	17.1	18.2	19.3	20.4	21.4	22.8	24.0	25.4
47.5°	15.0	15.2	15.2	15.3	16.4	17.4	18.4	19.4	20.8	22.2	23.6
50°	12.6	12.9	13.2	13.5	14.5	15.5	16.5	17.4	19.0	20.4	21.9
52.5°	11.0	11.5	11.8	12.2	13.2	14.2	15.2	16.1	17.4	18.8	20.2
55°	9.9	10.6	11.0	11.5	12.2	13.0	13.8	14.5	15.9	17.3	18.5
57.5°	8.7	9.2	9.6	10.1	10.9	11.6	12.2	13.0	14.2	15.6	16.8
60°	7.7	8.0	8.4	8.7	9.3	10.1	10.7	11.3	12.6	13.8	14.8
62.5°	6.7	7.0	7.2	7.3	8.0	8.6	9.2	9.8	10.9	12.1	13.2
65°	6.0	6.1	6.1	6.3	6.7	7.3	7.8	8.3	9.5	10.6	11.8
67.5°	5.1	5.2	5.2	5.2	5.7	6.1	6.6	7.0	8.1	9.3	10.4
70°	4.0	4.1	4.1	4.1	4.6	5.2	5.7	6.1	7.0	8.0	8.9
72.5°	3.1	3.1	3.2	3.2	3.7	4.3	4.7	5.2	6.0	6.7	7.5
75°	2.0	2.1	2.1	2.3	2.8	3.4	3.8	4.3	5.1	5.8	6.4
77.5°	0.8	1.1	1.2	1.4	1.8	2.3	2.8	3.2	3.8	4.6	5.2
80°	0.0	0.2	0.2	0.2	0.5	0.6	0.9	1.1	1.5	2.1	2.6
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: P366633
 CATALOG NUMBER: MSA-SA1A-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: P366633
 CATALOG NUMBER: MSA-SA1A-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6
2.5°	292.9	301.4	309.8	318.2	326.6	337.0	347.4	349.0	350.5	348.7	347.0
5°	302.7	306.9	310.9	315.0	319.0	330.9	342.7	342.8	342.8	343.0	343.0
7.5°	240.0	243.5	247.0	250.4	253.9	261.7	269.5	272.4	275.2	274.6	274.0
10°	174.2	178.8	183.2	187.8	192.2	199.4	206.6	209.4	212.0	220.4	229.0
12.5°	149.4	153.8	158.3	162.5	167.0	174.3	181.7	187.0	192.2	197.4	202.6
15°	121.7	125.2	128.9	132.4	135.9	139.3	142.6	149.2	155.7	160.9	166.1
17.5°	92.6	94.1	95.5	97.0	98.4	99.9	101.5	104.2	106.8	111.4	115.9
20°	68.0	69.2	70.4	71.5	72.7	74.2	75.8	77.8	79.6	80.7	81.6
22.5°	55.6	57.4	59.2	60.9	62.8	63.8	64.9	65.5	66.1	66.6	67.0
25°	50.0	51.7	53.3	54.9	56.5	56.9	57.4	58.6	59.8	59.8	59.8
27.5°	43.8	46.1	48.5	50.8	53.1	53.7	54.2	54.6	54.9	54.3	53.6
30°	41.3	43.6	45.9	48.1	50.4	51.3	52.0	52.5	53.0	52.2	51.4
32.5°	40.3	42.4	44.4	46.5	48.5	49.7	50.8	52.0	53.1	53.3	53.6
35°	35.0	36.4	38.0	39.3	40.7	41.3	41.9	42.4	42.7	42.7	42.7
37.5°	30.0	31.8	33.8	35.7	37.5	38.9	40.3	40.4	40.4	40.7	41.2
40°	29.1	30.9	32.8	34.4	36.3	37.8	39.2	39.3	39.5	39.8	40.1
42.5°	27.9	29.8	31.8	33.8	35.8	37.3	38.7	38.7	38.6	39.0	39.3
45°	26.6	28.6	30.5	32.4	34.3	36.3	38.1	37.7	37.0	37.8	38.4
47.5°	24.9	27.1	29.2	31.2	33.4	35.2	36.9	36.6	36.1	36.9	37.7
50°	23.3	25.4	27.5	29.7	31.8	33.8	35.7	35.4	35.0	36.0	36.7
52.5°	21.6	23.7	26.0	28.2	30.3	32.0	33.5	33.4	33.2	34.1	35.2
55°	19.9	21.9	24.0	26.0	28.0	29.8	31.5	31.2	30.9	31.7	32.4
57.5°	18.1	20.1	21.9	23.9	25.7	27.2	28.6	28.2	27.7	28.6	29.5
60°	16.1	17.9	19.7	21.4	23.3	24.5	25.6	25.3	24.8	25.7	26.6
62.5°	14.2	15.9	17.6	19.1	20.8	21.7	22.7	22.3	22.0	23.0	24.0
65°	12.9	14.2	15.5	16.8	18.1	19.0	19.9	19.4	19.0	20.1	21.0
67.5°	11.5	12.6	13.8	14.8	15.9	16.7	17.4	17.1	16.7	17.4	18.2
70°	9.8	10.9	11.9	12.9	13.9	14.7	15.5	15.0	14.4	15.2	15.9
72.5°	8.3	9.2	10.1	10.9	11.8	12.4	13.0	12.6	12.1	12.7	13.3
75°	7.2	8.0	8.7	9.3	10.1	10.4	10.7	10.6	10.3	10.9	11.3
77.5°	5.8	6.4	7.2	7.8	8.4	8.4	8.4	8.6	8.6	9.2	9.9
80°	3.1	3.7	4.3	4.7	5.4	5.4	5.2	5.5	5.7	6.4	7.2
82.5°	0.0	0.5	0.9	1.4	1.8	1.7	1.4	1.5	1.5	1.8	2.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3
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: P366633
 CATALOG NUMBER: MSA-SA1A-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: P366633
 CATALOG NUMBER: MSA-SA1A-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°	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6
2.5°	345.1	343.3	342.1	341.0	339.8	338.6	340.1	341.6	343.0	344.5	349.1
5°	343.1	343.1	342.1	341.0	339.9	338.9	341.2	343.3	345.6	347.7	347.6
7.5°	273.2	272.6	279.0	285.3	291.7	298.0	299.7	301.4	302.9	304.6	304.1
10°	237.4	245.8	248.6	251.3	254.1	256.8	260.2	263.6	266.9	270.3	271.5
12.5°	207.8	213.1	221.9	230.7	239.5	248.3	252.7	257.3	261.7	266.2	274.9
15°	171.3	176.5	184.1	191.8	199.4	207.1	214.1	221.3	228.4	235.4	246.0
17.5°	120.5	124.9	130.7	136.5	142.2	148.0	158.9	169.7	180.6	191.5	202.6
20°	82.6	83.6	86.3	89.2	92.0	94.7	104.5	114.5	124.3	134.1	148.8
22.5°	67.3	67.8	69.2	70.6	71.8	73.2	78.2	83.4	88.5	93.5	105.5
25°	59.7	59.7	60.6	61.5	62.4	63.4	66.1	68.9	71.5	74.2	81.9
27.5°	53.0	52.2	53.6	54.9	56.3	57.7	59.7	61.8	63.8	65.8	71.0
30°	50.7	49.9	51.6	53.3	54.9	56.6	58.6	60.6	62.4	64.4	68.0
32.5°	53.7	53.9	54.5	55.1	55.6	56.2	57.1	58.2	59.1	60.0	63.1
35°	42.7	42.7	43.8	44.8	45.8	46.8	48.5	50.2	51.9	53.6	56.8
37.5°	41.5	41.8	42.7	43.8	44.7	45.6	47.8	50.0	52.2	54.3	56.9
40°	40.3	40.6	41.8	43.0	44.2	45.5	47.6	49.6	51.7	53.7	56.2
42.5°	39.8	40.1	41.6	43.3	44.8	46.4	48.2	50.0	51.7	53.6	56.9
45°	39.2	39.8	41.6	43.6	45.5	47.3	49.0	50.7	52.3	54.0	58.2
47.5°	38.3	39.0	41.2	43.2	45.3	47.3	50.5	53.9	57.1	60.3	62.3
50°	37.7	38.4	40.7	43.0	45.3	47.6	52.8	58.0	63.1	68.3	67.2
52.5°	36.1	37.0	39.9	42.9	45.8	48.7	53.3	57.9	62.4	67.0	64.9
55°	33.2	34.0	37.3	40.7	43.9	47.3	50.7	54.0	57.2	60.6	58.2
57.5°	30.3	31.2	34.4	37.7	40.7	43.9	45.6	47.3	49.0	50.7	49.7
60°	27.5	28.5	32.8	37.0	41.3	45.6	44.1	42.5	40.9	39.3	40.4
62.5°	24.9	25.9	30.0	34.0	38.1	42.1	39.9	37.8	35.7	33.5	35.2
65°	22.0	23.0	24.5	26.2	27.7	29.2	29.1	28.8	28.6	28.3	30.2
67.5°	19.0	19.7	20.5	21.4	22.2	23.0	23.4	24.0	24.5	24.9	26.5
70°	16.5	17.3	18.2	19.0	19.9	20.7	21.0	21.3	21.4	21.7	23.1
72.5°	13.8	14.4	15.6	16.8	17.9	19.1	19.3	19.3	19.4	19.4	20.5
75°	11.9	12.4	13.3	14.2	15.0	15.9	16.4	16.8	17.1	17.6	18.2
77.5°	10.6	11.2	11.5	11.6	11.9	12.1	12.4	12.7	13.0	13.3	13.5
80°	7.8	8.6	8.9	9.0	9.3	9.5	9.5	9.3	9.3	9.2	9.3
82.5°	2.4	2.8	3.2	3.7	4.1	4.6	4.7	4.9	4.9	5.1	4.9
85°	0.5	0.6	0.9	1.2	1.4	1.7	1.5	1.2	1.1	0.8	0.6
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: P366633
 CATALOG NUMBER: MSA-SA1A-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: P366633
 CATALOG NUMBER: MSA-SA1A-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6
2.5°	353.7	358.1	362.7	360.9	359.1	357.2	355.4	355.7	356.2	356.5	356.8
5°	347.4	347.1	347.0	352.2	357.5	362.7	367.9	373.6	379.4	385.1	390.7
7.5°	303.7	303.0	302.6	309.3	316.1	322.8	329.5	337.3	345.3	353.1	360.9
10°	272.7	274.0	275.2	277.9	280.9	283.6	286.4	293.9	301.4	308.7	316.2
12.5°	283.6	292.2	300.9	302.6	304.1	305.8	307.3	308.4	309.5	310.5	311.6
15°	256.7	267.2	277.8	282.2	286.5	291.0	295.2	306.6	317.7	329.1	340.2
17.5°	213.8	224.8	236.0	249.3	262.6	276.0	289.3	301.5	313.8	326.0	338.2
20°	163.6	178.3	193.0	209.8	226.8	243.7	260.5	272.7	284.8	297.1	309.2
22.5°	117.5	129.5	141.4	161.8	182.0	202.3	222.5	243.8	265.2	286.5	307.8
25°	89.5	97.0	104.7	124.7	144.8	164.7	184.7	214.0	243.2	272.4	301.7
27.5°	76.1	81.3	86.3	104.4	122.4	140.4	158.4	193.2	227.9	262.6	297.4
30°	71.6	75.1	78.7	94.0	109.4	124.7	140.0	175.2	210.4	245.7	280.9
32.5°	66.1	69.0	72.1	85.6	99.0	112.3	125.8	160.2	194.7	229.0	263.4
35°	59.8	63.1	66.1	79.6	93.1	106.4	119.8	155.5	191.2	226.8	262.5
37.5°	59.4	62.0	64.4	80.0	95.8	111.4	127.0	162.7	198.4	233.9	269.5
40°	58.8	61.2	63.7	79.6	95.4	111.3	127.0	164.4	201.7	239.1	276.4
42.5°	60.3	63.5	66.9	81.0	95.0	109.0	123.1	162.4	201.7	240.9	280.2
45°	62.4	66.6	70.7	83.6	96.4	109.3	122.1	164.8	207.5	250.1	292.8
47.5°	64.4	66.4	68.4	80.7	92.8	105.0	117.1	160.7	204.3	247.9	291.6
50°	66.3	65.2	64.1	77.6	91.1	104.4	117.9	159.5	201.0	242.6	284.1
52.5°	62.6	60.5	58.2	72.5	86.9	101.2	115.6	157.5	199.4	241.4	283.3
55°	55.7	53.3	50.8	65.0	79.1	93.4	107.4	149.2	191.0	232.8	274.6
57.5°	48.7	47.8	46.7	57.5	68.4	79.1	90.0	136.4	182.9	229.3	275.6
60°	41.5	42.4	43.5	51.3	59.1	66.7	74.5	120.0	165.3	210.8	256.1
62.5°	36.7	38.4	39.9	46.5	53.3	59.8	66.4	109.3	152.1	195.0	237.8
65°	32.1	34.0	35.8	43.6	51.6	59.4	67.2	103.5	139.7	176.0	212.3
67.5°	28.0	29.4	30.9	41.2	51.4	61.7	71.9	101.6	131.2	160.9	190.4
70°	24.5	25.7	27.1	39.0	51.0	62.9	74.8	100.1	125.5	150.8	176.0
72.5°	21.6	22.7	23.7	35.8	47.9	60.0	72.1	94.6	116.9	139.4	161.8
75°	18.8	19.3	19.9	30.2	40.3	50.5	60.6	75.6	90.8	105.8	120.8
77.5°	13.6	13.6	13.8	16.8	19.7	22.8	25.7	35.0	44.4	53.6	62.9
80°	9.3	9.5	9.5	10.7	11.8	13.0	14.1	16.1	17.9	19.9	21.7
82.5°	4.7	4.4	4.3	5.5	6.7	8.0	9.2	9.6	9.9	10.4	10.7
85°	0.5	0.2	0.0	0.8	1.5	2.3	3.1	3.7	4.3	4.9	5.5
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: P366633
 CATALOG NUMBER: MSA-SA1A-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: P366633

CATALOG NUMBER: MSA-SA1A-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°	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6
2.5°	355.5	354.3	353.1	351.9	359.4	367.0	374.5	382.0	403.3	417.2	415.7
5°	396.3	401.8	407.3	412.8	421.7	430.7	439.6	448.4	480.0	499.3	502.0
7.5°	369.5	377.9	386.5	394.9	412.0	429.0	446.2	463.1	489.0	509.1	520.4
10°	325.9	335.5	345.0	354.6	373.9	393.3	412.6	431.9	461.0	488.7	502.9
12.5°	326.8	341.9	357.1	372.2	389.1	405.9	422.6	439.4	457.2	466.5	486.6
15°	352.2	364.1	376.1	388.0	410.0	432.1	454.0	476.0	486.6	509.1	532.5
17.5°	361.5	384.9	408.2	431.5	459.0	486.4	514.0	541.4	561.2	592.5	616.7
20°	344.2	379.3	414.2	449.2	487.0	524.8	562.6	600.4	622.2	651.9	689.2
22.5°	345.0	382.2	419.2	456.4	508.6	560.6	612.8	664.9	723.2	780.4	798.6
25°	350.3	399.0	447.5	496.2	556.5	616.8	677.1	737.4	807.8	868.0	892.1
27.5°	352.2	407.0	461.6	516.4	602.1	687.8	773.5	859.2	943.3	1011.2	1037.1
30°	347.7	414.8	481.7	548.5	653.7	758.8	864.0	969.1	1048.9	1128.0	1160.1
32.5°	348.8	434.2	519.6	605.0	728.8	852.8	976.6	1100.5	1151.4	1222.7	1279.4
35°	356.2	449.8	543.3	637.0	774.0	911.0	1048.0	1184.9	1268.5	1343.8	1391.9
37.5°	373.3	477.1	580.7	684.5	852.8	1021.3	1189.7	1358.0	1487.4	1616.7	1638.7
40°	386.0	495.6	605.2	714.8	910.2	1105.7	1301.1	1496.6	1642.9	1783.2	1798.2
42.5°	400.4	520.4	640.5	760.5	979.1	1197.6	1416.2	1634.8	1804.2	1947.3	1957.2
45°	416.2	539.7	663.0	786.4	1015.4	1244.2	1473.1	1702.0	1899.9	2066.1	2028.6
47.5°	423.7	555.7	687.8	819.9	1065.4	1310.8	1556.2	1801.6	1979.1	2125.8	2082.0
50°	429.5	574.7	720.1	865.4	1122.8	1380.2	1637.7	1895.1	2073.1	2208.4	2139.8
52.5°	445.8	608.2	770.8	933.2	1207.0	1480.6	1754.5	2028.1	2200.3	2324.6	2228.5
55°	461.8	648.8	836.0	1023.0	1317.5	1612.1	1906.6	2201.1	2372.5	2479.0	2348.5
57.5°	481.8	688.1	894.3	1100.5	1415.4	1730.4	2045.3	2360.2	2527.8	2645.5	2509.9
60°	476.6	697.0	917.6	1138.0	1458.8	1779.6	2100.4	2421.2	2620.3	2764.9	2672.9
62.5°	456.4	675.0	893.4	1111.9	1427.1	1742.1	2057.2	2372.2	2610.8	2806.7	2775.8
65°	415.5	618.6	821.9	1025.0	1325.9	1627.0	1927.9	2228.8	2523.2	2772.6	2783.6
67.5°	361.8	533.2	704.5	875.9	1156.6	1437.3	1717.9	1998.6	2346.2	2637.0	2669.7
70°	304.9	433.6	562.5	691.2	938.2	1185.2	1432.1	1679.1	2040.5	2333.1	2395.0
72.5°	244.4	327.2	409.9	492.5	670.8	849.0	1027.3	1205.4	1523.3	1750.5	1858.4
75°	158.4	196.1	233.7	271.4	390.1	508.7	627.5	746.1	957.2	1124.5	1246.5
77.5°	70.6	78.2	85.7	93.4	185.0	276.7	368.4	460.1	551.8	652.8	681.4
80°	25.3	28.6	32.1	35.5	80.5	125.7	170.7	215.7	260.0	312.2	324.9
82.5°	10.6	10.6	10.4	10.3	26.3	42.4	58.5	74.5	86.2	99.0	101.5
85°	4.3	3.2	2.0	0.8	3.4	6.1	8.7	11.3	18.2	16.5	30.6
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: P366633
 CATALOG NUMBER: MSA-SA1A-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: P366633

CATALOG NUMBER: MSA-SA1A-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6
2.5°	409.9	409.6	409.3	409.0	408.7	403.1	397.8	392.3	386.9	393.7	400.4
5°	497.6	505.5	513.5	521.6	529.6	531.9	534.2	536.5	538.7	543.6	548.5
7.5°	529.9	543.3	556.7	570.1	583.4	595.8	608.1	620.5	632.9	629.8	626.8
10°	518.7	543.0	567.4	591.9	616.2	621.6	626.9	632.4	637.8	651.7	665.6
12.5°	506.6	535.8	565.1	594.3	623.5	639.8	655.8	672.1	688.3	702.4	716.4
15°	564.0	582.7	601.3	620.2	638.8	653.1	667.2	681.4	695.5	705.3	714.9
17.5°	639.5	648.6	657.8	667.2	676.3	687.5	698.7	709.9	721.0	726.9	732.7
20°	719.2	723.2	727.2	731.1	735.1	726.2	717.4	708.5	699.6	705.1	710.5
22.5°	799.2	800.6	802.2	803.5	804.9	784.2	763.6	742.9	722.3	713.5	704.8
25°	922.5	912.4	902.3	892.1	882.0	857.6	833.1	808.6	784.1	762.5	740.9
27.5°	1055.9	1021.6	987.5	953.2	919.1	894.6	870.1	845.6	821.1	788.7	756.2
30°	1190.5	1135.2	1080.1	1024.8	969.7	940.7	911.6	882.4	853.3	820.8	788.5
32.5°	1313.8	1247.4	1181.0	1114.4	1048.0	999.0	950.0	901.0	852.0	829.4	806.7
35°	1416.1	1337.5	1259.0	1180.3	1101.8	1053.3	1004.8	956.3	907.8	874.1	840.6
37.5°	1590.8	1502.5	1414.2	1325.9	1237.6	1171.3	1105.2	1038.9	972.7	950.2	927.7
40°	1752.0	1640.7	1529.5	1418.2	1306.9	1251.4	1196.0	1140.4	1085.0	1048.1	1011.4
42.5°	1880.1	1762.9	1645.8	1528.5	1411.3	1356.4	1301.6	1246.6	1191.7	1167.0	1142.5
45°	1907.8	1797.3	1687.0	1576.5	1465.9	1434.0	1402.1	1370.1	1338.3	1321.3	1304.5
47.5°	1962.5	1842.6	1722.9	1603.1	1483.2	1468.9	1454.5	1439.9	1425.5	1433.7	1441.8
50°	1993.1	1870.8	1748.5	1626.2	1503.9	1508.0	1512.0	1516.1	1520.3	1577.8	1635.2
52.5°	2052.4	1928.9	1805.4	1681.9	1558.4	1584.4	1610.3	1636.3	1662.2	1741.4	1820.6
55°	2158.5	2037.1	1915.8	1794.2	1672.9	1707.2	1741.4	1775.9	1810.2	1894.3	1978.4
57.5°	2315.7	2195.2	2074.9	1954.5	1834.2	1868.3	1902.5	1936.6	1970.7	2046.8	2122.7
60°	2513.6	2389.9	2266.4	2142.7	2019.2	2032.1	2044.8	2057.7	2070.5	2152.2	2233.8
62.5°	2667.7	2554.0	2440.4	2326.7	2213.2	2198.9	2184.8	2170.6	2156.5	2218.7	2280.7
65°	2703.5	2623.5	2543.6	2463.5	2383.5	2339.7	2296.1	2252.3	2208.6	2233.7	2258.8
67.5°	2601.0	2547.0	2493.1	2439.1	2385.0	2293.7	2202.3	2110.8	2019.4	2006.1	1992.8
70°	2363.0	2333.5	2304.1	2274.5	2245.1	2104.3	1963.7	1822.9	1682.2	1648.4	1614.6
72.5°	1864.7	1883.0	1901.4	1919.9	1938.3	1787.5	1636.9	1486.1	1335.4	1292.5	1249.8
75°	1314.9	1377.2	1439.5	1501.8	1564.1	1426.6	1289.3	1151.9	1014.4	973.3	932.2
77.5°	712.9	829.7	946.5	1063.3	1180.0	1066.6	953.4	840.0	726.5	697.9	669.5
80°	337.9	405.3	472.5	539.8	607.2	581.6	556.0	530.3	504.8	511.0	517.3
82.5°	103.6	152.3	201.0	249.6	298.3	302.1	305.8	309.6	313.5	322.9	332.3
85°	34.7	47.6	60.5	73.3	86.2	108.8	131.5	154.3	176.9	162.2	147.7
87.5°	0.0	0.5	0.8	1.2	1.5	4.7	8.0	11.2	14.4	12.4	10.6
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: P366633
 CATALOG NUMBER: MSA-SA1A-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: P366633

CATALOG NUMBER: MSA-SA1A-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°	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6
2.5°	407.3	414.0	414.2	414.5	414.6	414.8	415.5	416.3	417.2	418.0	412.9
5°	553.6	558.5	549.5	540.4	531.2	522.2	530.3	538.4	546.6	554.7	551.1
7.5°	623.5	620.5	619.4	618.5	617.4	616.5	619.6	622.6	625.7	628.7	628.4
10°	679.6	693.5	696.9	700.2	703.7	707.1	700.1	693.0	686.0	678.9	676.0
12.5°	730.5	744.6	755.8	767.0	778.3	789.4	779.3	769.4	759.3	749.3	739.9
15°	724.7	734.4	743.5	752.7	761.9	771.1	767.7	764.5	761.1	757.8	756.2
17.5°	738.6	744.5	742.3	740.2	737.9	735.7	734.7	733.7	732.7	731.6	727.9
20°	716.0	721.5	720.1	718.9	717.5	716.1	715.2	714.3	713.4	712.5	709.6
22.5°	696.1	687.4	685.1	682.9	680.6	678.5	678.8	679.1	679.3	679.6	692.7
25°	719.4	697.8	689.4	680.9	672.4	663.9	667.8	671.4	675.3	679.1	698.1
27.5°	723.6	691.2	677.7	664.3	650.8	637.3	651.1	664.9	678.6	692.4	723.2
30°	756.1	723.8	705.0	686.3	667.5	648.8	666.4	684.0	701.6	719.2	752.6
32.5°	783.9	761.3	747.8	734.4	720.9	707.4	708.2	708.8	709.6	710.3	757.3
35°	806.9	773.4	761.1	749.0	736.8	724.7	742.9	761.1	779.3	797.6	839.8
37.5°	905.2	882.7	860.2	837.8	815.3	793.0	807.5	822.1	836.7	851.3	898.0
40°	974.5	937.8	931.9	926.3	920.5	914.8	922.3	929.6	937.1	944.6	985.5
42.5°	1117.9	1093.3	1077.5	1061.9	1046.1	1030.5	1036.5	1042.4	1048.6	1054.5	1093.3
45°	1287.5	1270.5	1260.1	1249.7	1239.1	1228.7	1219.7	1210.8	1201.8	1192.9	1232.2
47.5°	1449.9	1458.0	1480.9	1503.8	1526.7	1549.5	1530.8	1512.2	1493.3	1474.7	1474.8
50°	1692.8	1750.2	1761.8	1773.3	1784.9	1796.4	1756.6	1716.8	1676.9	1637.1	1632.3
52.5°	1899.9	1979.0	1983.1	1987.2	1991.5	1995.7	1979.6	1963.5	1947.3	1931.2	1888.5
55°	2062.5	2146.6	2152.2	2157.7	2163.4	2168.9	2154.8	2140.9	2126.8	2112.8	2069.6
57.5°	2198.8	2274.7	2278.0	2281.3	2284.6	2288.0	2289.1	2290.1	2291.4	2292.4	2234.1
60°	2315.5	2397.3	2390.5	2384.0	2377.2	2370.6	2360.5	2350.4	2340.3	2330.2	2292.6
62.5°	2342.8	2404.9	2394.5	2384.3	2373.9	2363.6	2355.0	2346.6	2338.0	2329.5	2305.4
65°	2283.9	2309.0	2298.3	2287.5	2276.7	2266.0	2260.4	2255.1	2249.6	2244.1	2241.0
67.5°	1979.3	1966.0	1978.7	1991.4	2004.1	2016.8	2034.1	2051.4	2068.8	2086.1	2076.0
70°	1580.6	1546.8	1560.8	1574.8	1588.8	1602.8	1628.9	1655.1	1681.4	1707.6	1700.6
72.5°	1207.0	1164.1	1166.1	1168.1	1170.2	1172.2	1171.5	1170.9	1170.1	1169.3	1181.6
75°	891.1	849.9	830.5	811.0	791.6	772.2	767.4	762.7	757.9	753.2	776.0
77.5°	640.8	612.4	599.1	585.9	572.6	559.4	566.1	572.9	579.8	586.5	594.5
80°	523.7	530.0	519.8	509.7	499.4	489.2	496.8	504.3	512.0	519.6	495.9
82.5°	341.8	351.1	319.6	288.0	256.5	225.0	244.1	263.3	282.5	301.7	291.9
85°	133.0	118.5	101.0	83.7	66.3	48.8	63.5	78.2	92.9	107.6	117.4
87.5°	8.6	6.7	5.4	4.0	2.4	1.1	2.3	3.5	4.9	6.1	10.3
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: P366633
 CATALOG NUMBER: MSA-SA1A-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: P366633

CATALOG NUMBER: MSA-SA1A-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6
2.5°	408.0	403.0	398.1	388.4	378.8	369.2	359.5	373.0	386.5	399.9	413.4
5°	547.8	544.3	540.9	541.8	542.7	543.8	544.7	546.7	548.7	550.5	552.5
7.5°	628.3	628.0	627.7	620.6	613.6	606.4	599.4	602.9	606.4	609.9	613.4
10°	673.3	670.4	667.5	652.0	636.5	620.9	605.5	598.7	591.9	585.1	578.4
12.5°	730.4	720.7	711.2	694.7	678.3	661.8	645.3	639.2	632.9	626.8	620.5
15°	754.9	753.3	752.0	740.2	728.2	716.4	704.5	683.5	662.4	641.4	620.5
17.5°	724.2	720.4	716.7	735.4	753.9	772.6	791.3	769.6	747.8	726.1	704.4
20°	706.6	703.7	700.8	735.6	770.2	804.9	839.5	829.9	820.1	810.4	800.8
22.5°	705.9	719.2	732.4	762.8	793.1	823.6	853.9	870.6	887.4	904.1	920.8
25°	717.1	736.2	755.2	805.7	856.2	906.8	957.3	976.5	995.5	1014.6	1033.6
27.5°	753.8	784.6	815.2	859.2	903.3	947.6	991.6	1033.4	1075.4	1117.1	1158.9
30°	785.8	819.1	852.5	905.0	957.3	1009.8	1062.2	1114.5	1166.9	1219.2	1271.6
32.5°	804.3	851.4	898.4	962.2	1025.9	1089.7	1153.6	1211.0	1268.4	1325.6	1383.0
35°	882.0	924.4	966.7	1037.2	1107.8	1178.5	1249.1	1320.1	1391.1	1462.0	1533.0
37.5°	944.6	991.5	1038.2	1115.3	1192.3	1269.4	1346.6	1444.7	1542.9	1641.0	1739.1
40°	1026.4	1067.2	1108.1	1180.3	1252.4	1324.7	1396.9	1521.4	1645.8	1770.1	1894.5
42.5°	1131.8	1170.6	1209.3	1286.6	1363.9	1441.2	1518.4	1656.2	1793.9	1931.5	2069.3
45°	1271.6	1311.1	1350.4	1411.9	1473.4	1535.0	1596.5	1743.0	1889.3	2035.8	2182.1
47.5°	1475.0	1475.1	1475.3	1519.7	1564.1	1608.6	1653.0	1800.5	1947.9	2095.5	2242.8
50°	1627.6	1622.7	1617.9	1640.9	1663.7	1686.6	1709.6	1845.4	1981.3	2117.0	2252.8
52.5°	1846.0	1803.3	1760.7	1774.3	1787.8	1801.4	1814.9	1929.9	2044.9	2159.9	2274.8
55°	2026.6	1983.4	1940.3	1935.2	1930.2	1925.1	1920.1	2025.8	2131.6	2237.3	2343.1
57.5°	2176.0	2117.6	2059.5	2047.9	2036.4	2024.7	2013.1	2124.7	2236.1	2347.7	2459.1
60°	2255.1	2217.4	2179.8	2172.3	2164.6	2157.1	2149.5	2241.0	2332.5	2424.1	2515.6
62.5°	2281.6	2257.5	2233.7	2247.7	2261.8	2276.1	2290.1	2330.4	2370.5	2410.7	2450.8
65°	2238.1	2235.0	2232.0	2260.9	2289.7	2318.6	2347.5	2337.6	2327.5	2317.5	2307.6
67.5°	2066.1	2056.0	2046.0	2109.5	2172.9	2236.4	2299.9	2251.7	2203.4	2155.1	2106.9
70°	1693.5	1686.3	1679.3	1770.8	1862.4	1954.0	2045.6	1987.1	1928.6	1870.2	1811.7
72.5°	1193.7	1205.9	1218.2	1326.1	1433.8	1541.7	1649.5	1590.5	1531.6	1472.7	1413.8
75°	798.6	821.4	844.2	955.4	1066.5	1177.7	1288.9	1219.7	1150.5	1081.3	1012.1
77.5°	602.4	610.4	618.3	688.6	758.8	829.2	899.5	842.4	785.2	728.1	670.8
80°	472.2	448.3	424.6	447.7	470.8	493.9	517.0	482.9	448.8	414.8	380.6
82.5°	282.1	272.3	262.5	275.0	287.4	300.0	312.5	297.8	283.0	268.3	253.5
85°	127.0	136.8	146.5	159.2	171.7	184.4	197.1	176.6	156.1	135.6	115.1
87.5°	14.2	18.4	22.5	27.9	33.2	38.6	43.9	34.3	24.5	14.8	5.2
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: P366633
 CATALOG NUMBER: MSA-SA1A-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: P366633
 CATALOG NUMBER: MSA-SA1A-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	323.6	323.6
2.5°	421.2	429.0
5°	552.4	552.1
7.5°	604.3	594.9
10°	569.8	561.2
12.5°	598.6	576.7
15°	603.9	587.4
17.5°	677.4	650.3
20°	766.0	731.1
22.5°	873.0	825.1
25°	976.6	919.7
27.5°	1124.8	1090.5
30°	1237.0	1202.2
32.5°	1359.4	1335.9
35°	1509.6	1486.0
37.5°	1745.3	1751.2
40°	1898.2	1901.8
42.5°	2083.5	2097.8
45°	2198.0	2213.9
47.5°	2265.0	2287.2
50°	2288.6	2324.4
52.5°	2319.1	2363.1
55°	2392.2	2441.4
57.5°	2498.3	2537.5
60°	2517.4	2519.3
62.5°	2422.5	2394.2
65°	2277.4	2247.3
67.5°	2088.7	2070.4
70°	1787.5	1763.3
72.5°	1368.8	1323.8
75°	956.4	900.7
77.5°	641.6	612.4
80°	381.6	382.3
82.5°	260.5	267.4
85°	113.7	112.2
87.5°	3.7	2.0
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: P366633
CATALOG NUMBER: MSA-SA1A-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)