

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: P367030

Luminaire Tested: **MSA-SA1D-730-U-SLR**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367030
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-24)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: MSA-SA1D-730-U-SLR
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS
EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5350 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

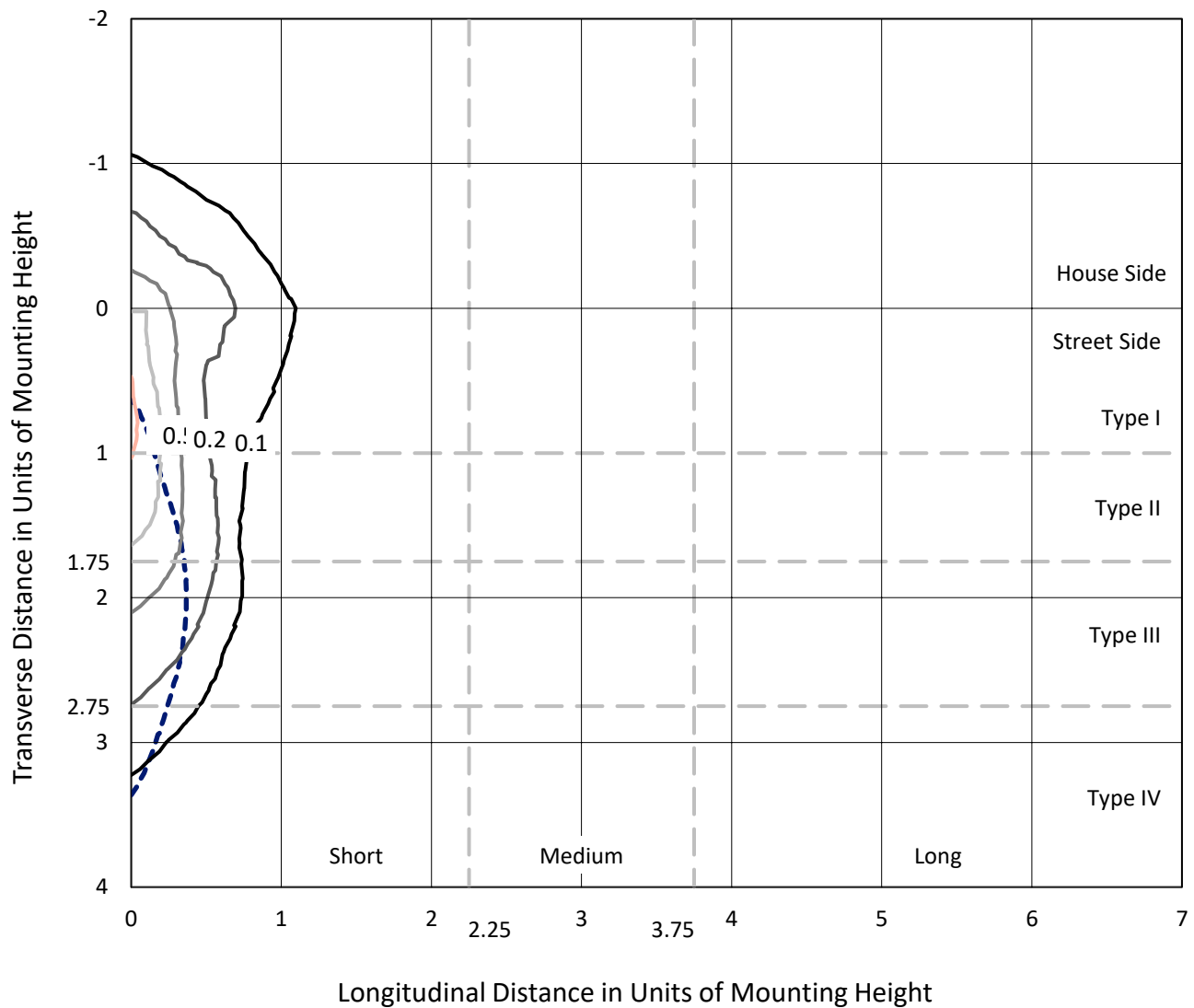


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Iso-Footcandle Lines of Horizontal Illumination

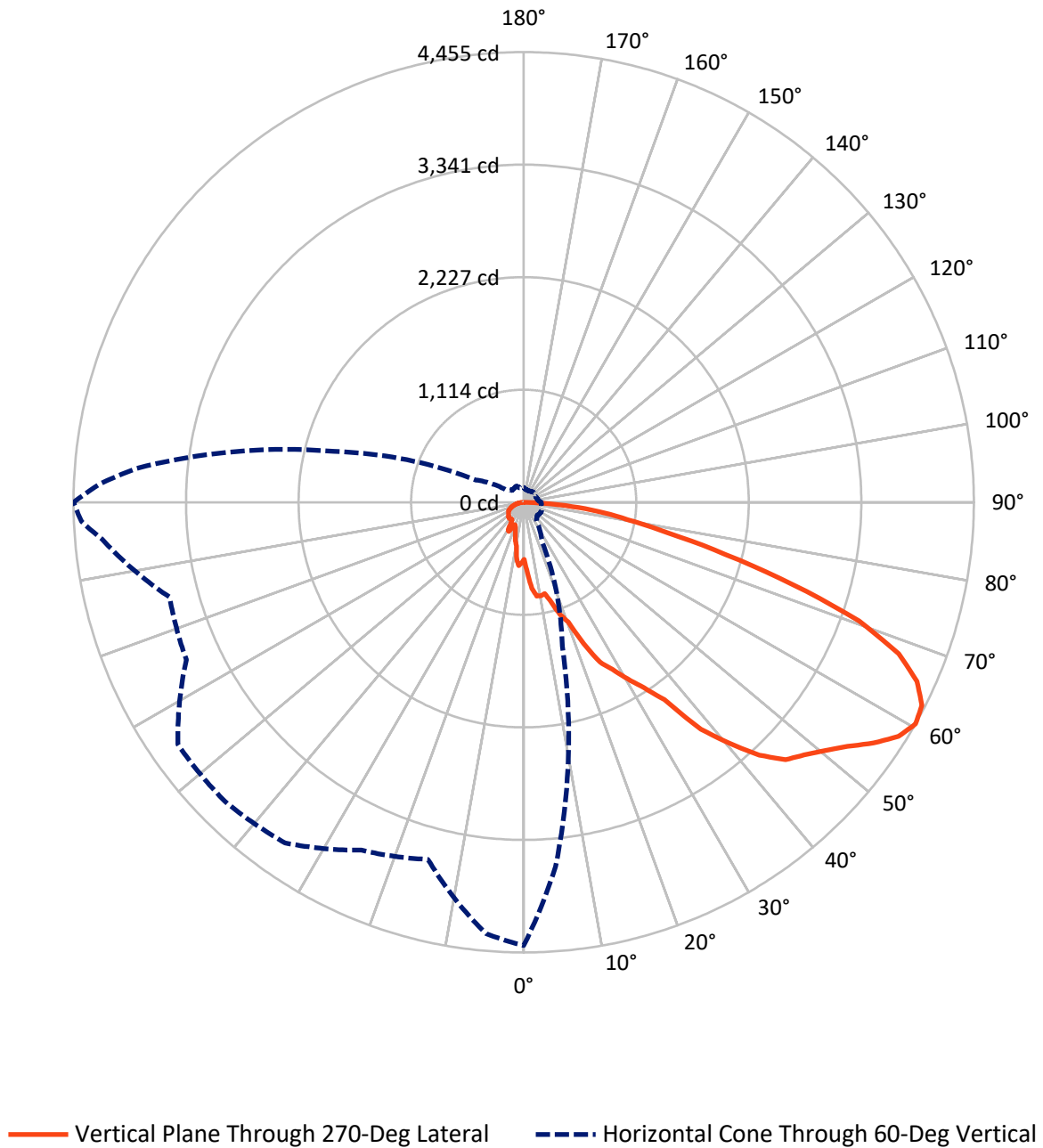
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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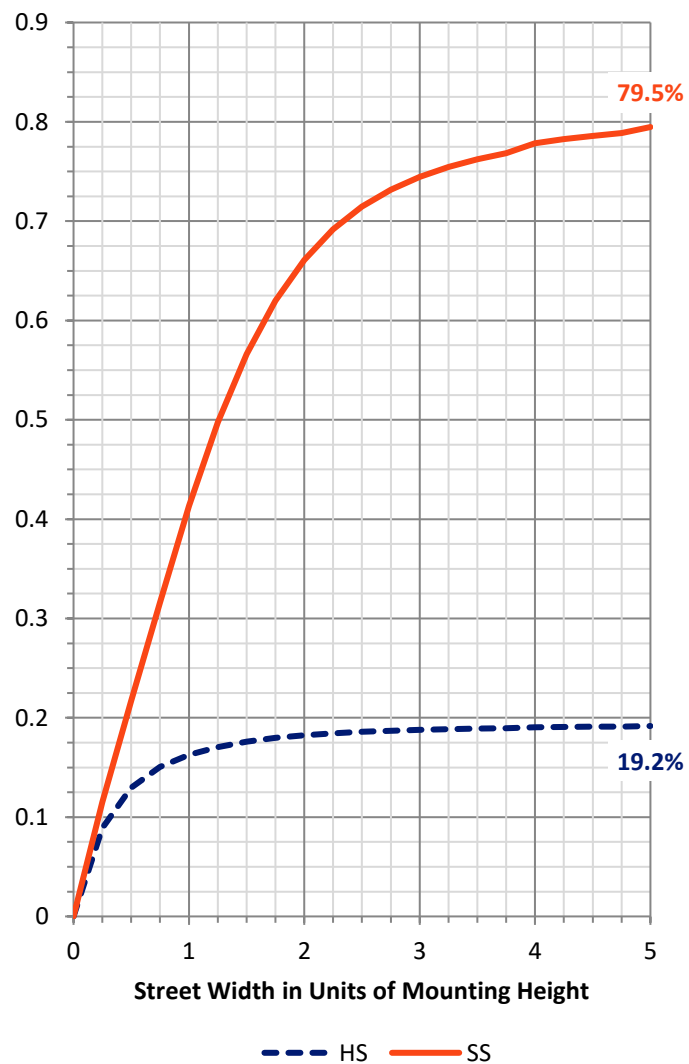
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1036.2	0.0	1036.2
	% Fixture	19.4	0.0	19.4
Street Side	Lumens	4313.8	0.0	4313.8
	% Fixture	80.6	0.0	80.6
Total	Lumens	5350.0	0.0	5350.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.7	1.2
10°-20°	188.0	3.5
20°-30°	331.9	6.2
30°-40°	516.8	9.7
40°-50°	850.9	15.9
50°-60°	1214.5	22.7
60°-70°	1287.8	24.1
70°-80°	711.3	13.3
80°-90°	184.0	3.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5350.0	100.0
0°-180°	5350.0	100.0

Coefficient of Utilization



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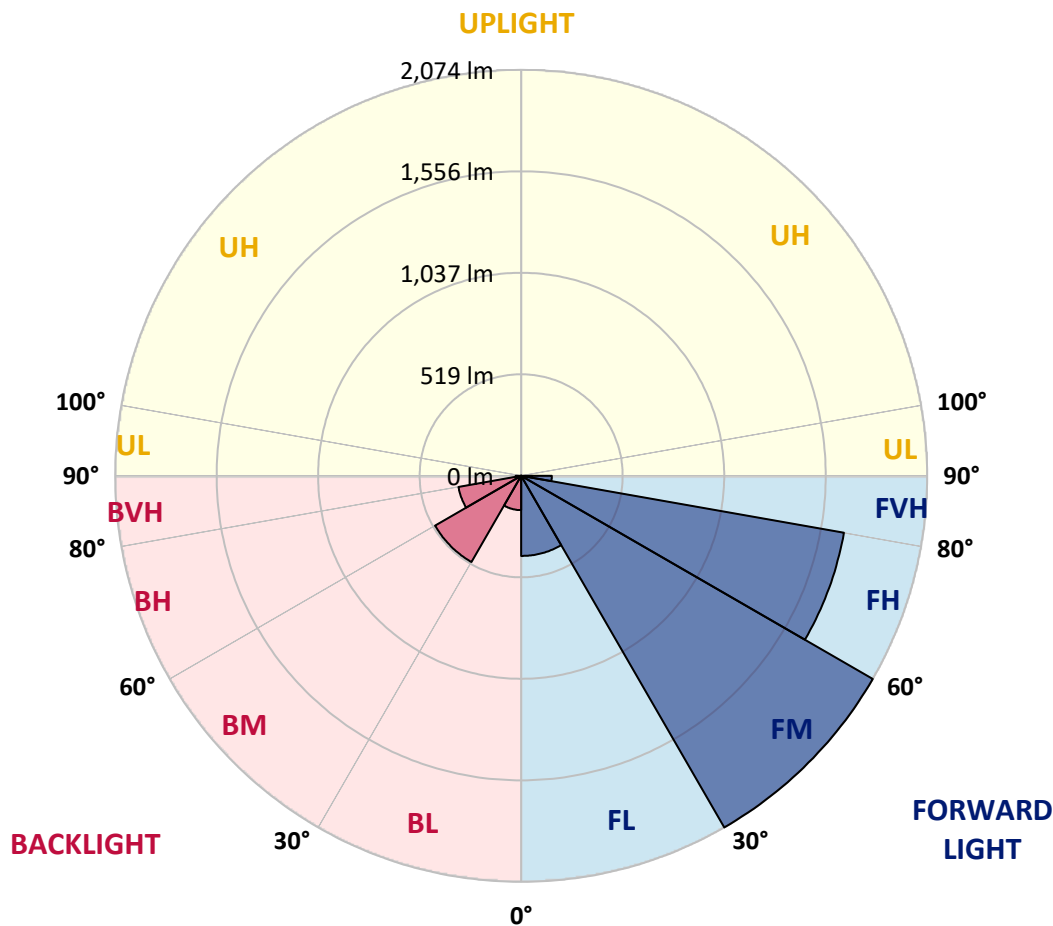
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	409.4	7.7			
FM	(30°-60°)	2074.0	38.8			
FH	(60°-80°)	1674.0	31.3			G1/1800
FVH	(80°-90°)	156.4	2.9			G2/225
BL	(0°-30°)	175.2	3.3	B1/500		
BM	(30°-60°)	508.3	9.5	B1/1000		
BH	(60°-80°)	325.1	6.1	B1/500		G1/500
BVH	(80°-90°)	27.6	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3
2.5°	755.7	760.3	764.8	755.9	747.1	738.0	729.2	715.9	702.4	689.2	675.7
5°	907.6	890.4	873.0	866.0	859.3	852.3	845.3	838.8	832.3	825.5	819.0
7.5°	955.1	930.7	906.0	895.6	885.3	874.6	864.2	840.8	817.5	793.8	770.5
10°	902.9	877.5	851.8	841.6	831.2	821.1	810.7	782.2	753.9	725.3	696.7
12.5°	945.0	919.0	892.8	860.6	828.4	795.9	763.7	747.9	732.0	715.9	700.1
15°	985.5	950.4	915.1	882.9	850.7	818.3	786.1	754.4	722.7	691.0	659.3
17.5°	1133.5	1075.1	1016.6	958.5	900.1	841.9	783.5	746.8	710.0	673.4	636.5
20°	1314.0	1232.7	1151.2	1062.9	974.3	886.0	797.5	751.3	705.3	659.1	612.8
22.5°	1528.7	1426.2	1323.6	1212.2	1100.8	989.1	877.7	810.7	743.7	676.5	609.5
25°	1699.3	1600.7	1502.0	1360.7	1219.5	1078.2	936.9	860.8	784.8	708.4	632.3
27.5°	1865.0	1707.9	1550.6	1388.8	1227.2	1065.5	903.7	833.3	762.9	692.6	622.2
30°	2005.0	1880.3	1755.7	1544.6	1333.5	1122.1	911.0	824.5	738.0	651.5	565.1
32.5°	2209.9	2032.0	1853.9	1633.6	1413.4	1193.2	973.0	862.4	751.8	641.2	530.5
35°	2449.6	2264.7	2079.8	1807.4	1535.2	1262.8	990.4	873.3	755.9	638.8	521.4
37.5°	2896.5	2570.6	2244.4	1947.1	1649.7	1352.2	1054.8	918.7	782.7	646.3	510.3
40°	3142.9	2841.7	2540.5	2169.9	1799.3	1428.5	1057.9	918.7	779.3	640.1	500.7
42.5°	3471.4	3090.5	2709.2	2308.6	1908.1	1507.4	1106.8	952.5	798.3	643.7	489.5
45°	3671.6	3247.0	2822.2	2394.0	1965.8	1537.6	1109.4	952.8	796.2	639.6	483.0
47.5°	3800.7	3393.0	2985.0	2524.1	2063.2	1602.0	1141.0	974.8	808.4	642.2	475.7
50°	3923.0	3519.2	3115.1	2636.5	2158.2	1679.6	1201.0	1019.5	838.0	656.2	474.7
52.5°	4073.1	3701.2	3329.1	2815.7	2302.1	1788.7	1275.0	1077.4	879.8	682.2	484.6
55°	4291.5	3925.1	3558.4	3007.4	2456.1	1905.0	1353.7	1134.3	915.1	695.7	476.3
57.5°	4433.0	4061.4	3689.8	3127.9	2565.9	2003.7	1441.7	1198.7	955.6	712.3	469.2
60°	4386.0	4002.7	3619.2	3083.4	2547.7	2012.0	1476.3	1213.7	951.5	688.9	426.4
62.5°	4178.3	3770.8	3363.4	2883.5	2403.9	1924.0	1444.1	1177.1	910.4	643.5	376.5
65°	3887.9	3466.7	3045.3	2612.4	2179.5	1746.6	1313.7	1071.4	828.9	586.6	344.1
67.5°	3531.7	3092.5	2653.2	2269.9	1886.6	1503.0	1119.7	917.2	714.9	512.3	309.8
70°	3084.7	2653.2	2221.6	1890.0	1558.3	1226.7	895.1	742.7	590.5	438.1	285.6
72.5°	2479.4	2107.0	1734.7	1473.7	1212.7	951.7	690.7	584.8	479.1	373.2	267.2
75°	1763.5	1544.6	1325.7	1122.6	919.5	716.2	513.1	444.6	376.0	307.5	238.9
77.5°	1253.2	1124.2	995.1	835.9	676.7	517.5	358.4	318.1	278.1	237.9	197.6
80°	926.5	818.8	711.0	591.0	471.1	351.1	231.1	211.4	191.9	172.2	152.4
82.5°	610.0	561.4	512.6	417.6	322.5	227.5	132.4	125.2	117.9	110.6	103.4
85°	273.2	288.5	303.6	245.4	187.0	128.8	70.4	67.0	63.6	60.2	56.9
87.5°	26.2	38.7	51.2	43.9	36.4	29.1	21.6	21.3	21.3	21.0	20.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3
2.5°	679.3	683.0	686.6	690.2	686.3	682.4	678.3	674.4	669.5	664.5	659.3
5°	808.1	797.0	786.1	774.9	758.3	741.6	724.8	708.1	706.1	703.7	701.7
7.5°	750.0	729.7	709.2	688.7	662.7	637.0	611.0	585.1	577.3	569.5	561.7
10°	683.0	668.9	655.2	641.2	625.1	609.0	592.6	576.5	555.2	533.6	512.3
12.5°	677.2	654.4	631.3	608.4	598.6	588.7	578.8	569.0	550.3	531.6	512.6
15°	640.9	622.2	603.8	585.1	570.8	556.5	542.2	527.9	512.9	497.5	482.5
17.5°	615.2	593.9	572.6	551.3	534.9	518.6	502.0	485.6	467.4	449.0	430.8
20°	588.4	564.3	539.9	515.5	494.7	474.2	453.4	432.6	412.6	392.9	372.9
22.5°	577.5	545.6	513.6	481.7	459.9	437.8	416.0	393.9	375.5	357.1	338.6
25°	594.1	556.2	518.1	479.9	450.5	420.9	391.6	362.0	346.7	331.4	315.8
27.5°	574.7	526.9	479.4	431.6	400.2	368.5	337.1	305.4	303.0	300.7	298.1
30°	514.9	464.8	414.7	364.6	335.8	306.7	277.9	248.8	243.3	237.6	232.2
32.5°	479.4	428.2	377.1	325.9	300.2	274.2	248.5	222.5	216.3	210.1	203.8
35°	465.9	410.3	354.7	299.2	277.1	255.0	232.9	210.9	206.4	202.3	197.9
37.5°	455.0	399.9	344.6	289.3	268.0	246.7	225.1	203.8	200.5	197.1	193.7
40°	444.6	388.7	332.7	276.6	257.6	238.9	219.9	201.0	198.9	196.8	194.5
42.5°	435.2	381.0	326.4	272.1	255.3	238.6	221.8	204.9	202.8	200.7	198.7
45°	430.0	377.1	324.1	271.1	258.9	246.7	234.2	222.0	217.1	212.2	207.0
47.5°	426.1	376.5	326.9	277.3	264.6	251.9	239.2	226.4	222.0	217.6	212.9
50°	426.9	379.4	331.6	283.8	268.5	252.9	237.6	222.0	221.5	221.0	220.5
52.5°	433.9	383.5	332.9	282.3	265.7	249.0	232.2	215.5	218.9	222.0	225.4
55°	423.8	371.3	318.6	266.2	250.3	234.8	218.9	203.1	207.5	211.6	216.1
57.5°	412.4	355.5	298.6	241.8	229.8	217.9	205.7	193.7	198.4	203.3	208.0
60°	374.5	322.5	270.6	218.7	210.6	202.6	194.5	186.5	188.5	190.6	192.7
62.5°	332.9	289.0	245.4	201.5	195.3	188.8	182.6	176.1	176.1	176.3	176.3
65°	306.4	268.8	231.1	193.5	186.5	179.4	172.2	165.2	164.1	163.1	162.0
67.5°	279.9	250.3	220.5	190.6	180.5	170.6	160.5	150.4	149.1	148.0	146.7
70°	259.2	232.7	206.2	179.7	168.3	157.1	145.7	134.3	133.2	132.4	131.4
72.5°	242.3	217.6	192.7	167.8	155.8	143.6	131.7	119.5	118.7	117.9	116.9
75°	216.8	195.0	172.9	150.9	139.2	127.8	116.1	104.4	103.4	102.6	101.5
77.5°	179.4	161.0	142.8	124.4	115.3	106.5	97.4	88.3	87.8	87.3	86.5
80°	138.1	123.9	109.3	95.0	89.1	82.8	76.9	70.6	70.4	70.1	69.6
82.5°	94.8	86.2	77.6	69.1	64.7	60.0	55.6	50.9	51.2	51.4	51.7
85°	54.0	50.9	48.0	44.9	41.3	37.9	34.3	30.6	31.4	32.2	32.7
87.5°	19.7	18.7	17.7	16.6	14.8	13.2	11.4	9.6	10.1	10.9	11.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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: P367030

CATALOG NUMBER: MSA-SA1D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3
2.5°	654.4	646.6	638.8	631.0	623.2	607.1	591.3	575.2	559.1	569.0	579.1
5°	699.3	686.1	672.6	659.3	645.8	638.3	630.8	623.2	615.7	619.6	623.8
7.5°	553.9	546.1	538.1	530.3	522.2	518.8	515.7	512.3	509.0	518.6	528.2
10°	490.8	479.9	469.0	457.8	446.9	440.4	433.9	427.4	420.9	423.5	426.1
12.5°	493.9	477.8	461.7	445.6	429.5	419.9	410.3	400.7	391.1	393.4	395.8
15°	467.2	450.5	433.9	417.3	400.7	389.5	378.1	366.9	355.5	351.6	347.5
17.5°	412.4	394.2	376.0	357.8	339.7	332.1	324.6	317.1	309.5	305.4	301.2
20°	352.9	336.0	319.1	302.3	285.4	280.2	275.0	269.5	264.4	261.8	258.9
22.5°	320.2	309.8	299.2	288.8	278.1	272.1	266.4	260.5	254.5	251.6	248.5
25°	300.5	302.5	304.9	306.9	309.0	306.4	303.6	301.0	298.1	299.2	299.9
27.5°	295.8	300.2	304.9	309.3	313.7	316.0	318.4	320.7	323.0	323.8	324.6
30°	226.4	228.8	230.9	233.2	235.3	241.8	248.3	254.5	261.0	271.1	281.5
32.5°	197.6	196.8	196.1	195.0	194.2	195.8	197.4	198.7	200.2	203.8	207.7
35°	193.5	191.6	189.6	187.7	185.7	186.5	187.2	188.0	188.8	191.6	194.5
37.5°	190.3	189.6	189.0	188.3	187.5	189.3	190.9	192.7	194.2	196.6	198.9
40°	192.4	192.2	191.9	191.4	191.1	192.2	193.2	194.2	195.3	198.4	201.5
42.5°	196.6	196.6	196.3	196.3	196.1	197.1	197.9	198.9	199.7	201.5	203.3
45°	202.0	201.5	201.3	200.7	200.2	200.0	200.0	199.7	199.4	200.5	201.8
47.5°	208.5	206.7	204.6	202.8	200.7	200.2	199.4	198.9	198.1	198.7	199.2
50°	219.9	215.0	210.3	205.4	200.5	199.2	197.9	196.6	195.3	195.0	195.0
52.5°	228.5	221.2	214.0	206.7	199.4	197.1	194.8	192.4	190.1	189.6	189.3
55°	220.2	214.8	209.6	204.1	198.7	195.3	191.6	188.3	184.6	183.9	183.1
57.5°	212.7	209.3	205.9	202.6	199.2	195.8	192.2	188.8	185.2	183.3	181.5
60°	194.8	194.8	195.0	195.0	195.0	191.4	187.7	184.1	180.5	178.7	177.1
62.5°	176.3	179.2	181.8	184.6	187.2	182.3	177.1	172.2	167.0	165.7	164.6
65°	161.0	161.8	162.8	163.6	164.4	160.5	156.6	152.7	148.8	148.0	147.0
67.5°	145.4	145.2	144.9	144.4	144.1	141.8	139.2	136.9	134.3	133.2	132.2
70°	130.4	130.1	129.8	129.3	129.1	127.0	124.9	122.8	120.8	120.0	119.2
72.5°	116.1	115.8	115.3	115.0	114.5	112.7	111.1	109.3	107.5	106.5	105.4
75°	100.5	100.0	99.5	98.9	98.4	96.9	95.3	93.5	91.9	90.9	89.8
77.5°	86.0	85.2	84.4	83.4	82.6	81.3	79.7	78.4	76.9	75.6	74.5
80°	69.3	68.8	68.3	67.5	67.0	65.7	64.4	62.8	61.5	60.0	58.7
82.5°	51.9	51.7	51.2	50.9	50.4	49.1	47.8	46.5	45.2	43.6	42.1
85°	33.5	33.2	33.0	32.7	32.5	31.4	30.6	29.6	28.6	27.0	25.7
87.5°	11.9	11.4	11.2	10.6	10.1	9.9	9.3	9.1	8.6	7.8	7.0
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: P367030

CATALOG NUMBER: MSA-SA1D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P367030

CATALOG NUMBER: MSA-SA1D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3
2.5°	589.0	598.8	599.1	599.1	603.8	608.2	599.1	590.0	580.6	571.6	562.5
5°	627.6	631.5	630.5	629.2	623.5	617.8	611.8	605.8	599.9	593.9	594.1
7.5°	537.8	547.4	555.2	562.7	555.5	548.2	544.3	540.4	536.5	532.6	532.1
10°	428.5	431.1	434.2	437.0	432.6	428.0	435.7	443.5	451.1	458.9	450.3
12.5°	398.1	400.4	395.0	389.3	387.4	385.6	383.8	381.7	379.9	377.8	376.8
15°	343.6	339.4	335.2	330.8	329.8	328.5	327.2	325.6	324.3	322.8	318.1
17.5°	297.1	292.9	285.9	278.6	275.8	272.7	271.9	271.1	270.1	269.3	264.9
20°	256.3	253.4	251.6	249.6	246.7	243.8	241.0	238.1	235.0	232.2	228.0
22.5°	245.7	242.5	240.2	237.6	237.1	236.6	231.4	225.9	220.7	215.3	212.9
25°	301.0	301.7	287.5	272.9	271.6	270.3	261.0	251.4	242.0	232.4	224.4
27.5°	325.1	325.9	325.4	324.9	320.7	316.3	300.5	284.4	268.5	252.4	241.0
30°	291.6	301.7	305.6	309.5	306.7	303.6	286.9	270.6	254.0	237.3	229.8
32.5°	211.4	215.0	221.5	227.7	231.1	234.2	229.0	223.8	218.7	213.5	212.2
35°	197.1	200.0	201.3	202.6	200.5	198.4	194.5	190.6	186.5	182.6	181.8
37.5°	201.0	203.3	205.9	208.5	202.8	196.8	192.4	188.3	183.9	179.4	175.8
40°	204.6	207.7	209.3	210.9	205.1	199.4	194.0	188.8	183.3	177.9	174.2
42.5°	205.1	207.0	209.8	212.7	204.6	196.3	191.4	186.2	181.3	176.1	172.4
45°	202.8	203.8	206.4	209.0	199.7	190.1	185.7	181.0	176.6	171.9	168.8
47.5°	199.4	200.0	202.0	203.8	194.0	183.9	179.7	175.5	171.1	167.0	163.9
50°	194.8	194.5	196.1	197.4	187.2	177.1	172.9	169.1	164.9	160.7	158.1
52.5°	188.8	188.3	189.8	191.1	180.5	169.8	166.2	162.8	159.2	155.5	153.5
55°	182.0	181.3	182.6	183.9	173.5	162.8	159.7	156.3	153.2	149.8	148.0
57.5°	179.4	177.6	178.4	179.2	167.5	155.8	152.7	149.6	146.5	143.3	142.0
60°	175.3	173.5	174.2	174.8	162.3	149.6	146.7	143.6	140.7	137.6	136.3
62.5°	163.3	162.0	163.1	164.1	153.0	141.5	138.9	136.6	134.0	131.4	129.6
65°	146.2	145.2	147.2	149.3	139.7	130.1	128.5	127.0	125.2	123.6	121.8
67.5°	131.1	130.1	132.2	134.3	127.2	120.2	118.7	117.1	115.6	114.0	113.0
70°	118.4	117.6	119.5	121.3	115.3	109.3	107.8	106.5	104.9	103.4	102.6
72.5°	104.1	103.1	105.4	107.5	102.6	97.4	96.1	94.5	93.2	91.7	91.1
75°	88.8	87.8	89.8	91.7	88.3	84.7	83.4	82.1	80.8	79.5	79.2
77.5°	73.2	71.9	74.0	75.8	73.7	71.4	70.4	69.1	68.0	66.7	66.7
80°	57.1	55.6	57.1	58.4	57.6	56.9	56.1	55.1	54.3	53.2	53.5
82.5°	40.5	39.0	39.7	40.5	41.0	41.5	41.5	41.5	41.5	41.5	41.5
85°	24.2	22.6	22.9	23.1	23.9	24.7	24.9	25.2	25.4	25.7	26.0
87.5°	6.2	5.5	4.9	4.2	4.9	5.5	6.0	6.2	6.8	7.0	7.0
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: P367030

CATALOG NUMBER: MSA-SA1D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P367030

CATALOG NUMBER: MSA-SA1D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3
2.5°	553.4	544.0	534.9	540.7	546.1	551.8	557.3	557.5	557.5	557.8	557.8
5°	594.7	594.9	595.2	589.7	584.5	579.1	573.6	570.8	567.9	564.8	561.9
7.5°	531.3	530.8	530.0	524.8	519.6	514.4	509.2	496.8	484.0	471.6	458.9
10°	441.5	432.9	424.1	422.0	420.2	418.1	416.0	412.6	409.5	406.1	402.8
12.5°	375.8	374.7	373.7	368.2	362.8	357.1	351.6	351.6	351.6	351.6	351.6
15°	313.2	308.5	303.6	301.0	298.1	295.5	292.7	291.4	290.1	288.8	287.5
17.5°	260.2	255.8	251.1	250.6	250.1	249.6	249.0	247.7	246.4	245.1	243.8
20°	223.8	219.7	215.5	217.1	218.7	219.9	221.5	220.2	218.9	217.4	216.1
22.5°	210.3	208.0	205.4	204.1	202.8	201.3	200.0	200.0	200.2	200.2	200.2
25°	216.6	208.5	200.5	196.6	192.7	188.5	184.6	183.1	181.8	180.2	178.7
27.5°	229.6	217.9	206.4	199.7	192.9	186.2	179.4	176.6	173.5	170.6	167.5
30°	222.0	214.5	206.7	198.9	191.1	183.3	175.5	171.9	168.3	164.4	160.7
32.5°	210.9	209.3	208.0	200.7	193.5	185.9	178.7	177.1	175.8	174.2	172.7
35°	180.7	180.0	178.9	177.1	175.3	173.5	171.6	169.6	167.5	165.4	163.3
37.5°	172.4	168.8	165.2	164.4	163.6	162.8	162.0	161.3	160.5	159.4	158.7
40°	170.6	167.0	163.3	162.0	160.7	159.2	157.9	158.1	158.7	158.9	159.2
42.5°	168.5	164.9	161.0	160.0	158.9	157.9	156.8	157.1	157.6	157.9	158.1
45°	165.9	162.8	159.7	157.9	156.3	154.5	152.7	154.3	155.8	157.1	158.7
47.5°	160.7	157.4	154.3	153.2	152.2	150.9	149.8	151.4	153.0	154.3	155.8
50°	155.3	152.7	149.8	149.6	149.3	148.8	148.5	149.6	150.6	151.7	152.7
52.5°	151.1	149.1	146.7	146.7	146.5	146.5	146.2	147.2	148.3	149.1	150.1
55°	146.5	144.6	142.8	143.1	143.6	143.9	144.1	145.2	146.5	147.5	148.5
57.5°	140.5	139.2	137.6	138.7	139.4	140.5	141.3	142.0	143.1	143.9	144.6
60°	134.8	133.5	131.9	133.0	134.3	135.3	136.3	137.1	137.9	138.7	139.4
62.5°	127.8	125.7	123.9	125.4	126.7	128.3	129.6	130.1	130.9	131.4	131.9
65°	120.2	118.4	116.6	117.6	118.7	119.5	120.5	121.3	122.0	122.8	123.6
67.5°	111.7	110.6	109.3	110.1	110.9	111.7	112.4	112.7	112.7	113.0	113.0
70°	101.5	100.8	99.7	100.2	101.0	101.5	102.1	102.1	102.1	101.8	101.8
72.5°	90.9	90.4	89.8	90.1	90.6	90.9	91.1	90.9	90.6	90.4	90.1
75°	78.9	78.7	78.4	78.7	79.2	79.5	79.7	79.5	78.9	78.7	78.2
77.5°	67.0	67.0	67.0	67.0	67.3	67.3	67.3	66.7	66.2	65.7	65.2
80°	53.8	54.0	54.3	54.3	54.3	54.3	54.3	53.8	53.2	52.5	51.9
82.5°	41.5	41.5	41.5	41.5	41.8	41.8	41.8	40.5	39.5	38.2	36.9
85°	26.0	26.2	26.2	26.5	26.7	26.7	27.0	25.2	23.6	21.8	20.0
87.5°	7.0	7.0	7.0	7.0	7.0	6.8	6.8	5.2	3.4	1.8	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: P367030

CATALOG NUMBER: MSA-SA1D-730-U-SLR

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: P367030

CATALOG NUMBER: MSA-SA1D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3
2.5°	559.4	560.9	562.2	563.8	564.0	564.3	564.3	564.5	559.1	553.6	547.9
5°	565.8	569.5	573.4	577.0	576.2	575.5	574.7	573.9	572.3	571.0	569.5
7.5°	456.0	453.4	450.5	447.7	450.0	452.4	454.7	457.0	458.1	459.1	459.9
10°	396.3	389.8	383.3	376.8	373.2	369.3	365.6	361.7	361.2	361.0	360.4
12.5°	344.9	337.8	331.1	324.1	322.0	319.7	317.6	315.3	317.3	319.4	321.2
15°	284.6	282.0	279.2	276.3	278.6	281.0	283.3	285.6	287.7	289.5	291.6
17.5°	242.5	241.5	240.2	238.9	241.0	243.3	245.4	247.5	252.1	256.8	261.5
20°	215.0	214.2	213.2	212.2	211.4	210.3	209.6	208.5	215.3	221.8	228.5
22.5°	198.7	197.1	195.5	194.0	194.2	194.5	194.5	194.8	200.2	205.9	211.4
25°	178.1	177.6	177.1	176.6	178.1	179.7	181.0	182.6	187.5	192.4	197.1
27.5°	167.8	168.0	168.3	168.5	170.6	172.9	175.0	177.1	180.5	183.9	187.2
30°	162.0	163.6	164.9	166.2	167.0	167.8	168.5	169.3	172.7	175.8	179.2
32.5°	170.6	168.5	166.2	164.1	165.2	166.5	167.5	168.5	171.6	174.8	177.9
35°	162.6	161.5	160.7	159.7	161.0	162.3	163.3	164.6	167.5	170.1	172.9
37.5°	158.4	158.1	157.9	157.6	158.4	159.2	159.7	160.5	163.1	165.7	168.0
40°	158.1	156.8	155.8	154.5	155.3	156.1	156.6	157.4	160.5	163.6	166.7
42.5°	156.6	155.0	153.2	151.7	152.4	153.5	154.3	155.0	158.4	161.5	164.9
45°	156.3	154.0	151.4	149.1	150.1	151.1	152.2	153.2	155.8	158.4	160.7
47.5°	153.5	151.1	148.8	146.5	147.0	147.5	147.8	148.3	150.6	152.7	155.0
50°	151.1	149.3	147.8	145.9	145.2	144.6	143.9	143.1	144.9	146.7	148.5
52.5°	148.3	146.5	144.4	142.6	141.5	140.5	139.4	138.4	140.0	141.3	142.8
55°	146.5	144.1	142.0	139.7	138.4	137.1	135.8	134.5	135.6	136.3	137.4
57.5°	142.6	140.5	138.1	136.1	134.5	133.0	131.1	129.6	130.1	130.6	131.1
60°	137.4	135.0	133.0	130.6	128.8	127.0	124.9	123.1	123.3	123.9	124.1
62.5°	129.8	127.8	125.4	123.3	121.3	119.5	117.4	115.3	115.8	116.1	116.6
65°	121.5	119.2	117.1	114.8	113.0	111.1	109.1	107.2	107.8	108.3	108.5
67.5°	111.4	109.6	108.0	106.2	104.7	102.8	101.3	99.5	99.7	100.0	100.2
70°	100.5	98.9	97.6	96.1	94.8	93.5	92.2	90.9	90.9	91.1	91.1
72.5°	88.8	87.5	86.2	84.9	83.6	82.6	81.3	80.0	80.5	81.0	81.3
75°	76.9	75.8	74.5	73.2	72.2	71.2	69.9	68.8	69.3	69.9	70.1
77.5°	64.4	63.6	62.6	61.8	60.8	59.7	58.4	57.4	57.9	58.4	58.7
80°	51.4	50.9	50.1	49.6	48.6	47.5	46.5	45.4	45.7	45.7	46.0
82.5°	37.1	37.4	37.4	37.7	36.9	35.8	35.1	34.0	34.0	34.0	33.8
85°	20.8	21.8	22.6	23.4	22.6	21.8	21.0	20.3	20.0	20.0	19.7
87.5°	0.8	1.3	2.1	2.6	2.3	2.1	1.6	1.3	1.6	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367030

CATALOG NUMBER: MSA-SA1D-730-U-SLR

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P367030

CATALOG NUMBER: MSA-SA1D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3
2.5°	542.5	546.9	551.3	555.7	560.1	566.9	573.6	580.6	587.7	583.8	579.6
5°	567.9	570.5	573.4	576.0	578.6	586.1	593.4	602.5	611.3	610.2	609.0
7.5°	460.9	464.6	468.2	471.6	475.2	486.6	498.1	507.7	517.3	516.0	514.4
10°	359.9	367.4	375.2	382.8	390.3	399.6	408.7	416.8	424.8	438.3	451.6
12.5°	323.3	335.0	346.7	358.4	370.0	376.8	383.3	393.7	404.1	411.3	418.9
15°	293.4	304.3	315.3	326.2	337.1	337.6	338.1	349.0	359.9	366.1	372.1
17.5°	266.2	272.1	278.1	283.8	289.8	287.7	285.6	290.8	295.8	298.4	301.2
20°	235.0	239.2	243.3	247.5	251.6	254.5	257.1	260.2	263.1	260.5	257.6
22.5°	216.8	223.1	229.6	235.8	242.0	243.8	245.4	243.6	241.8	241.0	240.2
25°	202.0	209.6	217.4	224.9	232.4	236.0	239.7	241.2	242.5	239.7	236.8
27.5°	190.6	199.7	208.5	217.6	226.4	232.9	239.4	241.2	242.8	240.7	238.4
30°	182.3	192.2	202.0	211.9	221.8	231.6	241.2	249.8	258.1	257.3	256.6
32.5°	181.0	187.7	194.5	201.3	208.0	214.2	220.2	220.7	221.0	218.9	216.6
35°	175.5	180.0	184.4	188.8	193.2	197.1	200.7	200.2	199.7	197.6	195.5
37.5°	170.6	175.0	179.7	184.1	188.5	195.3	201.8	200.5	198.9	196.8	194.8
40°	169.8	174.8	179.7	184.4	189.3	195.5	201.8	200.5	199.2	196.6	194.0
42.5°	168.0	172.9	177.6	182.6	187.2	194.8	202.0	199.7	197.1	195.0	192.9
45°	163.3	167.8	172.2	176.6	181.0	189.0	197.1	194.2	191.4	190.6	189.6
47.5°	157.1	161.5	165.9	170.4	174.8	182.8	190.6	188.3	185.7	185.4	184.9
50°	150.4	154.5	158.9	163.1	167.2	175.3	183.1	181.0	178.9	179.2	179.2
52.5°	144.1	148.0	151.7	155.5	159.2	167.2	175.0	173.5	171.6	172.2	172.4
55°	138.1	141.3	144.4	147.5	150.6	158.4	166.2	163.9	161.5	162.3	163.1
57.5°	131.7	134.3	136.9	139.2	141.8	149.6	157.1	154.5	151.7	153.0	154.0
60°	124.4	126.7	129.1	131.1	133.5	140.5	147.2	144.9	142.3	144.1	145.7
62.5°	116.9	118.7	120.5	122.3	124.1	130.6	137.1	135.3	133.5	135.6	137.4
65°	109.1	110.4	111.9	113.2	114.5	120.8	126.7	125.4	124.1	125.9	127.8
67.5°	100.5	101.5	102.8	103.9	104.9	110.6	116.3	115.0	113.5	115.0	116.3
70°	91.1	92.2	93.0	94.0	94.8	100.0	105.2	103.4	101.3	102.8	104.1
72.5°	81.8	82.3	83.1	83.6	84.1	88.0	91.9	90.4	88.8	90.4	91.7
75°	70.6	71.2	71.7	72.2	72.7	76.1	79.2	77.4	75.3	76.9	78.4
77.5°	59.2	59.5	60.0	60.2	60.5	62.8	64.9	63.1	61.0	62.8	64.7
80°	46.0	46.2	46.5	46.5	46.7	47.5	48.3	47.0	45.4	47.8	50.1
82.5°	33.8	33.5	33.5	33.2	33.0	33.0	32.7	31.9	30.9	33.0	35.1
85°	19.5	19.2	18.7	18.4	17.9	17.1	16.4	16.1	15.8	17.7	19.5
87.5°	2.1	1.8	1.3	1.0	0.5	0.3	0.0	0.0	0.0	1.0	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: P367030

CATALOG NUMBER: MSA-SA1D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P367030

CATALOG NUMBER: MSA-SA1D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3
2.5°	575.7	571.6	567.7	563.8	559.9	556.0	563.2	570.5	577.8	585.1	591.6
5°	607.9	606.6	603.2	600.1	596.7	593.4	595.2	597.3	599.1	600.9	604.8
7.5°	513.1	511.6	518.8	525.9	533.1	540.1	542.0	543.5	545.3	546.9	545.8
10°	465.1	478.3	481.7	484.8	488.2	491.3	496.5	501.7	506.6	511.8	514.7
12.5°	426.1	433.4	445.4	457.6	469.5	481.4	489.2	497.0	504.8	512.6	528.7
15°	378.4	384.3	393.4	402.5	411.6	420.7	431.8	443.3	454.4	465.6	483.3
17.5°	303.8	306.4	313.2	319.9	326.4	333.2	348.2	363.0	378.1	392.9	413.2
20°	255.0	252.1	252.1	252.4	252.4	252.4	267.5	282.3	297.3	312.1	338.9
22.5°	239.2	238.4	235.5	232.4	229.6	226.4	234.2	242.3	250.1	257.9	279.7
25°	233.7	230.9	227.2	223.6	219.9	216.3	221.2	226.2	231.1	236.0	253.2
27.5°	236.3	234.0	235.8	237.3	239.2	240.7	242.3	243.8	245.4	247.0	252.9
30°	255.8	255.0	257.9	260.5	263.3	265.9	262.3	258.9	255.3	251.6	253.7
32.5°	214.5	212.2	211.1	210.1	209.0	208.0	207.7	207.5	207.0	206.7	211.4
35°	193.5	191.4	189.8	188.3	186.5	184.9	185.7	186.2	187.0	187.5	192.7
37.5°	192.7	190.6	188.8	187.0	184.9	183.1	183.9	184.9	185.7	186.5	190.3
40°	191.4	188.8	187.7	186.7	185.7	184.6	185.2	185.7	185.9	186.5	189.3
42.5°	190.6	188.5	188.0	187.5	187.0	186.5	187.0	187.5	187.7	188.3	191.6
45°	188.8	187.7	188.3	188.8	189.3	189.8	189.8	189.8	189.8	189.8	193.5
47.5°	184.6	184.1	185.7	187.2	188.8	190.3	192.9	195.5	197.9	200.5	201.3
50°	179.4	179.4	182.0	184.6	187.0	189.6	195.8	201.8	208.0	214.0	210.1
52.5°	172.9	173.2	177.1	180.7	184.6	188.3	194.0	199.7	205.1	210.9	205.1
55°	163.6	164.4	169.3	174.0	178.9	183.6	188.0	192.4	196.8	201.3	195.3
57.5°	155.3	156.3	161.5	166.5	171.6	176.6	179.2	182.0	184.6	187.2	183.3
60°	147.5	149.1	155.8	162.6	169.1	175.8	173.7	171.6	169.3	167.2	167.0
62.5°	139.4	141.3	147.5	153.7	159.7	165.9	162.8	159.7	156.3	153.2	154.5
65°	129.3	131.1	134.0	136.9	139.4	142.3	142.0	142.0	141.8	141.5	144.1
67.5°	117.9	119.2	121.0	122.6	124.4	125.9	127.0	128.3	129.3	130.4	133.5
70°	105.7	107.0	108.8	110.4	112.2	113.7	115.0	116.3	117.4	118.7	121.8
72.5°	93.2	94.5	96.3	98.2	99.7	101.5	102.6	103.6	104.4	105.4	108.0
75°	80.0	81.5	83.4	84.9	86.7	88.3	89.1	89.8	90.6	91.4	93.7
77.5°	66.5	68.3	70.1	71.9	73.7	75.6	75.8	76.1	76.3	76.6	78.7
80°	52.2	54.5	56.4	58.2	60.0	61.8	61.8	61.8	61.8	61.8	62.8
82.5°	37.1	39.2	41.3	43.1	45.2	47.0	47.0	46.7	46.7	46.5	46.5
85°	21.3	23.1	24.4	26.0	27.3	28.6	28.6	28.6	28.3	28.3	27.8
87.5°	3.4	4.4	4.9	5.7	6.2	6.8	6.5	6.5	6.2	6.0	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: P367030

CATALOG NUMBER: MSA-SA1D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P367030

CATALOG NUMBER: MSA-SA1D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3
2.5°	598.0	604.5	611.0	610.0	609.0	607.9	606.9	610.8	614.4	618.3	621.9
5°	608.4	612.3	616.0	618.8	621.7	624.5	627.4	640.6	653.6	666.9	679.8
7.5°	544.8	543.5	542.5	554.7	567.1	579.3	591.6	608.4	625.3	642.2	659.1
10°	517.5	520.4	523.3	528.2	533.4	538.3	543.3	559.9	576.5	593.1	609.7
12.5°	544.5	560.7	576.5	580.4	584.5	588.4	592.3	595.7	599.1	602.2	605.6
15°	500.9	518.6	536.2	546.4	556.5	566.4	576.5	601.9	627.1	652.6	677.8
17.5°	433.1	453.4	473.4	498.3	523.3	548.2	573.1	596.5	619.9	643.0	666.3
20°	365.6	392.1	418.9	446.1	473.1	500.4	527.4	550.3	573.1	595.7	618.6
22.5°	301.2	323.0	344.6	377.8	410.8	444.1	477.0	519.6	561.9	604.5	646.9
25°	270.1	287.2	304.1	338.4	372.6	406.7	440.9	496.2	551.3	606.6	661.7
27.5°	259.2	265.1	271.1	302.3	333.2	364.3	395.2	455.0	514.7	574.2	633.9
30°	255.8	257.9	259.9	284.4	308.8	333.2	357.6	416.5	475.7	534.7	593.6
32.5°	215.8	220.5	224.9	248.8	272.4	296.3	319.9	379.4	438.6	498.1	557.3
35°	197.9	203.1	208.3	231.6	255.0	278.1	301.5	364.1	426.9	489.5	552.1
37.5°	194.2	198.1	202.0	228.5	255.0	281.5	308.0	371.3	434.7	498.1	561.4
40°	192.4	195.3	198.1	223.8	249.8	275.5	301.2	367.7	433.9	500.4	566.6
42.5°	194.8	198.1	201.3	224.6	247.7	271.1	294.2	363.0	431.6	500.4	569.0
45°	196.8	200.5	203.8	225.7	247.5	269.3	291.1	364.6	437.8	511.3	584.5
47.5°	201.8	202.6	203.1	222.0	240.7	259.7	278.4	353.2	428.0	502.5	577.3
50°	205.9	202.0	197.9	217.6	237.1	256.8	276.3	347.2	418.1	488.7	559.6
52.5°	199.4	193.5	187.7	209.0	230.3	251.4	272.7	343.6	414.7	485.6	556.5
55°	189.6	183.6	177.6	199.2	220.7	242.3	263.8	334.5	405.4	476.0	546.6
57.5°	179.7	175.8	171.9	189.6	207.5	225.1	242.8	319.4	395.8	472.4	548.7
60°	166.7	166.2	165.9	179.7	193.7	207.5	221.2	296.3	371.1	446.1	520.9
62.5°	155.5	156.8	157.9	169.1	180.2	191.1	202.3	274.7	347.5	419.9	492.4
65°	147.0	149.6	152.2	164.9	177.6	190.1	202.8	263.6	324.3	385.1	445.9
67.5°	136.6	139.7	142.8	159.4	176.1	192.7	209.3	259.4	309.5	359.7	409.8
70°	124.6	127.8	130.6	151.9	172.9	194.2	215.3	259.7	304.3	348.8	393.2
72.5°	110.6	113.2	115.8	138.7	161.5	184.4	207.2	244.9	282.5	319.9	357.6
75°	96.3	98.7	101.0	120.8	140.5	160.2	180.0	209.0	237.9	267.0	295.8
77.5°	80.5	82.6	84.4	97.6	110.9	124.1	137.4	159.7	181.8	204.1	226.2
80°	63.9	64.9	66.0	73.7	81.3	89.1	96.6	111.4	126.2	140.7	155.5
82.5°	46.7	46.7	46.7	51.7	56.9	61.8	66.7	74.3	81.5	89.1	96.3
85°	27.3	26.5	26.0	29.3	32.7	36.1	39.5	42.6	45.7	48.8	51.9
87.5°	4.4	3.4	2.6	4.7	6.8	8.8	10.9	11.9	13.2	14.3	15.3
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: P367030

CATALOG NUMBER: MSA-SA1D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P367030

CATALOG NUMBER: MSA-SA1D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3
2.5°	613.1	604.5	595.7	586.9	599.9	612.8	625.8	638.8	673.4	693.9	695.2
5°	690.7	701.7	712.6	723.5	734.4	745.3	755.9	766.8	822.9	857.5	864.0
7.5°	677.0	695.2	713.1	731.0	761.9	792.8	823.7	854.6	902.1	936.4	959.0
10°	632.1	654.4	676.7	699.1	735.7	772.5	809.2	845.8	896.2	941.3	962.9
12.5°	641.2	676.7	712.0	747.6	779.3	811.2	842.9	874.6	909.4	926.5	965.8
15°	702.4	727.1	751.8	776.4	824.2	871.7	919.5	967.0	986.8	1026.0	1061.3
17.5°	711.8	757.0	802.4	847.6	906.0	964.5	1022.9	1081.3	1117.9	1168.6	1211.1
20°	682.7	746.6	810.7	874.6	949.9	1025.5	1100.8	1176.1	1222.6	1265.2	1331.1
22.5°	717.5	788.1	858.5	929.1	1029.1	1128.8	1228.8	1328.5	1425.6	1520.7	1565.4
25°	755.9	850.5	944.7	1039.0	1163.9	1288.5	1413.4	1538.1	1663.0	1752.1	1803.5
27.5°	728.9	823.7	918.7	1013.5	1168.0	1322.8	1477.3	1631.8	1765.6	1872.8	1917.0
30°	710.0	826.3	942.6	1059.0	1240.2	1421.5	1602.7	1784.0	1907.6	2027.3	2092.2
32.5°	706.6	855.9	1005.0	1154.3	1365.4	1576.3	1787.4	1998.2	2080.3	2186.5	2274.0
35°	715.9	880.1	1043.9	1207.8	1449.8	1691.8	1933.6	2175.6	2292.2	2397.4	2474.0
37.5°	744.5	927.6	1110.4	1293.5	1585.1	1877.0	2168.6	2460.2	2655.8	2848.2	2882.5
40°	760.6	954.8	1148.8	1342.8	1682.0	2021.1	2360.2	2699.4	2924.3	3135.4	3149.7
42.5°	779.6	990.2	1200.5	1411.1	1787.1	2163.4	2539.4	2915.4	3193.8	3420.8	3427.5
45°	801.4	1017.9	1234.8	1451.4	1844.0	2236.4	2629.0	3021.4	3357.9	3633.7	3566.5
47.5°	809.9	1042.9	1275.6	1508.2	1926.8	2345.2	2763.8	3182.1	3484.1	3735.0	3670.6
50°	813.3	1067.3	1321.0	1574.7	2008.4	2442.3	2876.0	3309.6	3616.8	3861.4	3762.8
52.5°	834.4	1112.2	1390.1	1667.9	2119.8	2571.6	3023.5	3475.3	3777.6	4012.6	3890.0
55°	862.7	1178.7	1494.5	1810.5	2278.2	2745.6	3213.3	3680.7	3984.0	4202.7	4050.8
57.5°	888.9	1229.3	1569.5	1909.7	2394.3	2879.1	3363.6	3848.2	4155.4	4371.7	4224.5
60°	876.2	1231.4	1586.6	1941.9	2418.1	2894.1	3370.4	3846.4	4195.1	4454.6	4379.3
62.5°	837.7	1183.1	1528.2	1873.6	2325.7	2777.5	3229.6	3681.5	4089.7	4422.4	4419.0
65°	763.7	1081.6	1399.2	1717.0	2135.4	2554.0	2972.3	3390.6	3871.8	4275.9	4302.1
67.5°	673.6	937.4	1201.3	1465.1	1859.1	2253.0	2646.9	3040.9	3555.3	4001.2	4023.7
70°	586.4	779.8	973.0	1166.2	1512.1	1858.0	2203.6	2549.5	3069.2	3520.2	3541.0
72.5°	484.0	610.5	736.7	863.2	1143.4	1423.6	1703.5	1983.7	2440.0	2786.9	2904.0
75°	370.8	445.9	520.9	596.0	822.7	1049.4	1275.8	1502.5	1805.8	2061.9	2193.8
77.5°	265.1	304.1	343.0	382.0	574.7	767.4	959.8	1152.5	1311.9	1457.1	1546.1
80°	174.0	192.2	210.6	228.8	389.0	549.2	709.2	869.4	966.5	1044.4	1089.4
82.5°	105.4	114.5	123.3	132.4	262.3	392.1	521.7	651.5	707.1	744.2	784.2
85°	56.9	61.8	66.7	71.7	155.0	238.1	321.5	404.6	410.0	414.4	473.9
87.5°	16.6	18.2	19.5	20.8	34.3	48.0	61.5	75.0	46.7	29.1	59.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367030

CATALOG NUMBER: MSA-SA1D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P367030

CATALOG NUMBER: MSA-SA1D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3
2.5°	687.6	684.3	680.9	677.2	673.9	659.6	645.6	631.3	617.0	630.8	644.3
5°	856.4	866.8	876.9	887.3	897.7	898.5	899.0	899.8	900.3	902.9	905.5
7.5°	978.0	996.4	1014.6	1033.0	1051.4	1065.7	1080.0	1094.6	1108.8	1095.9	1082.9
10°	988.3	1027.3	1066.2	1105.2	1144.2	1151.2	1157.9	1164.9	1171.9	1181.3	1190.4
12.5°	998.7	1046.3	1093.5	1141.0	1188.6	1209.3	1229.8	1250.6	1271.1	1281.3	1291.1
15°	1108.6	1136.6	1164.4	1192.5	1220.2	1234.5	1248.5	1262.8	1277.1	1285.7	1294.0
17.5°	1249.8	1260.2	1270.4	1280.7	1291.1	1300.7	1310.3	1320.0	1329.6	1331.1	1332.7
20°	1378.6	1380.7	1382.5	1384.6	1386.4	1366.2	1346.2	1325.9	1305.7	1309.3	1312.7
22.5°	1571.8	1560.4	1549.3	1537.8	1526.7	1488.5	1450.6	1412.4	1374.5	1358.1	1342.0
25°	1862.7	1833.6	1804.5	1775.4	1746.4	1685.6	1625.1	1564.3	1503.8	1468.2	1432.9
27.5°	1956.4	1893.1	1830.0	1766.6	1703.2	1657.3	1611.6	1565.6	1519.9	1463.6	1407.2
30°	2146.0	2046.0	1946.3	1846.3	1746.4	1701.9	1657.5	1612.9	1568.5	1510.8	1453.4
32.5°	2314.0	2210.1	2106.3	2002.1	1898.3	1814.1	1730.0	1645.9	1561.7	1522.8	1483.8
35°	2508.5	2377.9	2247.3	2116.7	1986.0	1913.8	1841.9	1769.7	1697.8	1638.8	1580.2
37.5°	2791.8	2652.9	2514.0	2374.8	2235.8	2138.2	2040.8	1943.2	1845.8	1813.3	1781.1
40°	3061.9	2897.8	2733.9	2569.8	2405.9	2331.2	2256.4	2181.3	2106.5	2051.7	1996.9
42.5°	3288.1	3125.8	2963.7	2801.4	2639.4	2584.9	2530.6	2476.1	2421.8	2376.6	2331.4
45°	3365.7	3233.3	3101.1	2968.7	2836.2	2817.0	2798.1	2778.8	2759.9	2726.4	2692.9
47.5°	3490.6	3355.6	3220.8	3085.8	2950.7	2957.8	2964.8	2972.0	2979.1	2980.9	2982.4
50°	3564.1	3435.8	3307.8	3179.5	3051.5	3085.5	3119.3	3153.3	3187.3	3264.4	3341.3
52.5°	3671.4	3545.4	3419.7	3293.8	3167.8	3225.5	3282.9	3340.5	3397.9	3505.9	3614.0
55°	3805.9	3685.4	3565.2	3444.7	3324.4	3380.5	3436.4	3492.4	3548.3	3668.5	3788.7
57.5°	3984.3	3855.2	3726.4	3597.4	3468.6	3520.2	3571.6	3623.3	3674.7	3789.0	3903.3
60°	4187.3	4047.1	3906.9	3766.4	3626.2	3640.5	3654.5	3668.8	3682.8	3806.7	3930.3
62.5°	4287.1	4157.2	4027.6	3897.8	3768.0	3728.2	3688.5	3648.5	3608.8	3719.7	3830.3
65°	4200.6	4111.3	4022.2	3932.9	3843.5	3773.4	3703.6	3633.4	3563.3	3632.7	3701.7
67.5°	3925.3	3874.7	3824.3	3773.7	3723.0	3605.4	3487.8	3369.9	3252.2	3256.9	3261.3
70°	3479.2	3465.7	3452.5	3438.9	3425.4	3248.6	3072.0	2895.2	2718.3	2691.3	2664.3
72.5°	2913.9	2922.7	2931.3	2940.1	2948.9	2758.8	2568.8	2378.7	2188.6	2143.7	2098.7
75°	2256.9	2305.7	2354.5	2403.6	2452.4	2270.6	2088.9	1906.8	1725.1	1669.7	1614.4
77.5°	1594.7	1685.8	1776.7	1867.9	1959.0	1794.7	1630.5	1466.2	1301.8	1265.9	1230.1
80°	1112.0	1156.6	1201.3	1245.9	1290.6	1208.0	1125.5	1042.9	960.3	970.2	979.8
82.5°	809.9	820.3	830.5	840.8	851.2	817.5	783.7	749.7	715.9	741.6	767.4
85°	518.8	556.0	592.9	630.0	666.9	629.5	592.1	554.4	517.0	534.2	551.3
87.5°	116.1	183.6	251.1	318.9	386.4	350.0	314.0	277.6	241.2	224.9	208.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367030

CATALOG NUMBER: MSA-SA1D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P367030

CATALOG NUMBER: MSA-SA1D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3
2.5°	658.0	671.8	667.6	663.7	659.6	655.4	663.0	670.5	678.3	685.8	683.2
5°	908.4	911.0	886.3	861.9	837.2	812.5	827.9	843.2	858.5	873.8	868.4
7.5°	1069.9	1056.9	1042.6	1028.3	1013.8	999.5	996.4	993.3	989.9	986.8	982.6
10°	1199.7	1208.8	1199.5	1190.4	1181.0	1171.7	1149.9	1128.1	1106.0	1084.2	1075.1
12.5°	1301.3	1311.4	1313.7	1315.8	1318.1	1320.5	1296.1	1271.9	1247.5	1223.1	1201.0
15°	1302.6	1311.1	1318.7	1325.9	1333.5	1340.7	1325.7	1310.9	1295.8	1280.7	1273.7
17.5°	1334.5	1336.1	1329.8	1323.9	1317.6	1311.6	1305.7	1300.0	1294.0	1288.3	1277.1
20°	1316.3	1320.0	1319.2	1318.4	1317.4	1316.6	1317.1	1317.4	1317.9	1318.1	1311.9
22.5°	1325.7	1309.3	1312.7	1315.8	1319.2	1322.3	1331.6	1341.0	1350.6	1359.9	1384.9
25°	1397.3	1361.8	1356.3	1351.1	1345.7	1340.5	1364.9	1389.0	1413.4	1437.9	1478.4
27.5°	1350.6	1294.2	1281.8	1269.3	1256.9	1244.4	1281.5	1318.4	1355.5	1392.7	1434.0
30°	1395.8	1338.4	1310.9	1283.3	1255.6	1228.0	1263.6	1298.9	1334.5	1369.8	1415.5
32.5°	1444.9	1405.9	1387.5	1369.3	1350.9	1332.7	1335.5	1338.4	1341.2	1344.1	1408.5
35°	1521.2	1462.3	1444.1	1425.9	1407.7	1389.5	1419.9	1450.1	1480.4	1510.6	1565.1
37.5°	1748.7	1716.2	1683.5	1650.8	1617.8	1585.1	1603.0	1620.9	1638.8	1656.8	1708.2
40°	1942.1	1887.4	1881.9	1876.7	1871.3	1865.8	1867.4	1868.7	1870.2	1871.8	1915.7
42.5°	2286.0	2240.8	2213.0	2185.2	2157.4	2129.6	2127.8	2126.0	2123.9	2122.1	2155.1
45°	2659.1	2625.6	2604.9	2584.1	2563.0	2542.3	2509.3	2476.3	2443.1	2410.1	2438.9
47.5°	2984.2	2986.1	3023.7	3061.1	3098.8	3136.4	3080.1	3023.7	2967.4	2911.0	2873.9
50°	3418.4	3495.3	3504.4	3513.2	3522.3	3531.4	3435.8	3340.5	3245.0	3149.4	3110.5
52.5°	3722.3	3830.3	3816.3	3802.5	3788.5	3774.5	3719.1	3664.1	3608.8	3553.5	3468.6
55°	3909.2	4029.5	4018.8	4008.4	3997.8	3987.1	3946.9	3906.6	3866.4	3826.1	3732.9
57.5°	4017.5	4131.8	4134.9	4138.0	4141.1	4144.2	4133.6	4122.9	4112.3	4101.7	3980.4
60°	4054.1	4178.0	4179.3	4180.3	4181.6	4182.7	4165.8	4148.9	4131.8	4114.9	4035.7
62.5°	3941.2	4051.8	4056.7	4061.4	4066.3	4071.3	4059.6	4047.9	4036.2	4024.5	3965.8
65°	3771.1	3840.4	3841.7	3842.8	3844.0	3845.3	3815.7	3786.4	3756.8	3727.2	3713.2
67.5°	3266.0	3270.7	3298.2	3325.7	3353.3	3380.8	3383.1	3385.5	3388.1	3390.4	3370.1
70°	2637.3	2610.3	2640.2	2670.0	2699.9	2729.8	2742.5	2755.2	2768.2	2780.9	2790.3
72.5°	2053.6	2008.6	2030.7	2052.8	2075.1	2097.2	2078.2	2059.3	2040.3	2021.4	2081.3
75°	1559.1	1503.8	1501.0	1498.4	1495.5	1492.9	1483.3	1473.7	1463.8	1454.2	1510.3
77.5°	1194.0	1158.2	1160.0	1161.6	1163.4	1164.9	1155.1	1145.5	1135.6	1125.7	1147.3
80°	989.6	999.3	999.5	999.8	1000.0	1000.3	990.9	981.9	972.5	963.2	947.6
82.5°	793.3	819.0	818.8	818.8	818.5	818.3	817.7	817.2	816.4	815.9	790.5
85°	568.4	585.6	567.9	550.3	532.6	514.9	527.9	540.9	554.2	567.1	556.5
87.5°	192.4	176.3	155.3	134.5	113.5	92.4	115.0	137.6	160.5	183.1	196.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367030

CATALOG NUMBER: MSA-SA1D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P367030

CATALOG NUMBER: MSA-SA1D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3	564.3
2.5°	680.9	678.3	675.9	659.6	643.0	626.6	610.0	640.1	670.5	700.6	730.7
5°	863.2	857.7	852.5	851.2	849.9	848.4	847.1	862.4	877.7	892.8	908.1
7.5°	978.5	974.3	970.2	959.3	948.6	937.7	926.8	936.1	945.2	954.6	963.7
10°	1066.2	1057.2	1048.1	1024.4	1001.1	977.4	953.8	946.8	939.8	932.8	925.8
12.5°	1178.9	1156.6	1134.5	1107.8	1080.8	1054.0	1027.0	1023.4	1019.8	1016.4	1012.8
15°	1267.0	1260.0	1253.0	1231.7	1210.4	1189.1	1167.8	1139.2	1110.4	1081.8	1053.3
17.5°	1266.2	1255.0	1244.1	1272.7	1301.0	1329.6	1357.9	1327.5	1296.8	1266.5	1236.1
20°	1305.7	1299.2	1292.9	1345.7	1398.1	1450.8	1503.3	1486.7	1469.8	1453.2	1436.3
22.5°	1409.5	1434.5	1459.1	1504.3	1549.3	1594.4	1639.4	1658.3	1677.3	1696.2	1715.2
25°	1518.6	1559.1	1599.6	1666.9	1733.9	1801.1	1868.4	1881.9	1895.4	1908.9	1922.4
27.5°	1475.0	1516.3	1557.6	1608.5	1659.1	1710.0	1760.6	1819.8	1879.3	1938.5	1997.7
30°	1461.0	1506.7	1552.1	1622.0	1691.6	1761.4	1831.3	1912.8	1994.3	2075.6	2157.2
32.5°	1472.6	1537.0	1601.4	1696.0	1790.2	1884.8	1979.3	2065.0	2150.9	2236.6	2322.3
35°	1619.4	1673.9	1728.2	1833.9	1939.6	2045.2	2150.9	2251.4	2351.9	2452.2	2552.7
37.5°	1759.3	1810.8	1862.2	1970.2	2078.0	2186.0	2294.0	2452.7	2611.6	2770.3	2928.9
40°	1959.3	2003.2	2046.8	2139.2	2231.7	2324.1	2416.6	2608.0	2799.4	2990.7	3182.1
42.5°	2187.8	2220.8	2253.5	2349.3	2445.2	2541.0	2636.8	2845.1	3053.6	3261.8	3470.1
45°	2467.5	2496.3	2525.1	2591.1	2657.1	2723.3	2789.2	3004.0	3218.7	3433.5	3648.3
47.5°	2836.7	2799.6	2762.5	2794.9	2827.4	2859.9	2892.3	3104.7	3317.2	3529.3	3741.7
50°	3071.5	3032.5	2993.6	2996.5	2999.0	3001.9	3004.8	3202.9	3401.0	3598.9	3797.0
52.5°	3383.6	3298.5	3213.5	3212.8	3212.0	3210.9	3210.2	3382.9	3555.8	3728.5	3901.2
55°	3639.7	3546.5	3453.2	3435.1	3416.9	3398.4	3380.3	3551.1	3721.7	3892.6	4063.2
57.5°	3859.1	3737.6	3616.3	3587.7	3559.2	3530.6	3502.1	3686.2	3870.5	4054.7	4238.8
60°	3956.8	3877.5	3798.6	3763.5	3728.5	3693.4	3658.4	3815.2	3972.1	4128.7	4285.5
62.5°	3907.4	3848.7	3790.3	3798.3	3806.4	3814.4	3822.5	3912.1	4001.9	4091.5	4181.1
65°	3699.4	3685.4	3671.6	3736.5	3801.5	3866.4	3931.3	3932.6	3933.9	3935.2	3936.5
67.5°	3349.9	3329.6	3309.4	3444.4	3579.2	3714.2	3849.2	3785.1	3721.0	3657.1	3592.9
70°	2799.4	2808.7	2817.8	3001.6	3185.2	3369.1	3552.9	3460.0	3366.8	3273.8	3180.6
72.5°	2141.3	2201.6	2261.6	2452.2	2642.8	2833.4	3024.0	2917.8	2811.3	2705.1	2598.6
75°	1566.4	1622.5	1678.6	1866.8	2055.1	2243.6	2431.9	2305.7	2179.5	2053.6	1927.3
77.5°	1168.8	1190.6	1212.2	1368.8	1525.1	1681.7	1838.0	1711.3	1584.6	1458.1	1331.4
80°	932.3	916.7	901.4	988.1	1074.8	1161.6	1248.3	1158.4	1068.3	978.5	888.6
82.5°	765.3	739.8	714.6	746.8	779.0	811.5	843.7	771.8	699.8	627.9	556.0
85°	545.8	535.2	524.6	533.9	543.0	552.3	561.7	491.6	421.5	351.6	281.5
87.5°	208.8	221.8	234.8	249.6	264.1	278.9	293.4	229.8	166.2	102.8	39.2
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

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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	564.3	564.3
2.5°	743.2	755.7
5°	907.8	907.6
7.5°	959.5	955.1
10°	914.3	902.9
12.5°	979.0	945.0
15°	1019.5	985.5
17.5°	1184.9	1133.5
20°	1375.3	1314.0
22.5°	1622.0	1528.7
25°	1811.0	1699.3
27.5°	1931.5	1865.0
30°	2081.1	2005.0
32.5°	2266.2	2209.9
35°	2501.2	2449.6
37.5°	2912.8	2896.5
40°	3162.6	3142.9
42.5°	3470.9	3471.4
45°	3659.9	3671.6
47.5°	3771.3	3800.7
50°	3860.1	3923.0
52.5°	3987.1	4073.1
55°	4177.5	4291.5
57.5°	4335.9	4433.0
60°	4335.9	4386.0
62.5°	4179.8	4178.3
65°	3912.3	3887.9
67.5°	3562.3	3531.7
70°	3132.8	3084.7
72.5°	2539.2	2479.4
75°	1845.5	1763.5
77.5°	1292.4	1253.2
80°	907.6	926.5
82.5°	583.0	610.0
85°	277.3	273.2
87.5°	32.7	26.2
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

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CATALOG NUMBER: MSA-SA1D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	0.0	0.0
115°	0.0	0.0
117.5°	0.0	0.0
120°	0.0	0.0
122.5°	0.0	0.0
125°	0.0	0.0
127.5°	0.0	0.0
130°	0.0	0.0
132.5°	0.0	0.0
135°	0.0	0.0
137.5°	0.0	0.0
140°	0.0	0.0
142.5°	0.0	0.0
145°	0.0	0.0
147.5°	0.0	0.0
150°	0.0	0.0
152.5°	0.0	0.0
155°	0.0	0.0
157.5°	0.0	0.0
160°	0.0	0.0
162.5°	0.0	0.0
165°	0.0	0.0
167.5°	0.0	0.0
170°	0.0	0.0
172.5°	0.0	0.0
175°	0.0	0.0
177.5°	0.0	0.0
180°	0.0	0.0

(END OF REPORT)