

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: P367821

Luminaire Tested: **MSA-SA3B-730-U-SLR-HSS**

Issue Date: 12/2/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P367821  
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-SA3B-730-U-SLR-HSS  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9766 lumens  
Efficiency: N/A  
Efficacy: 77.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G2

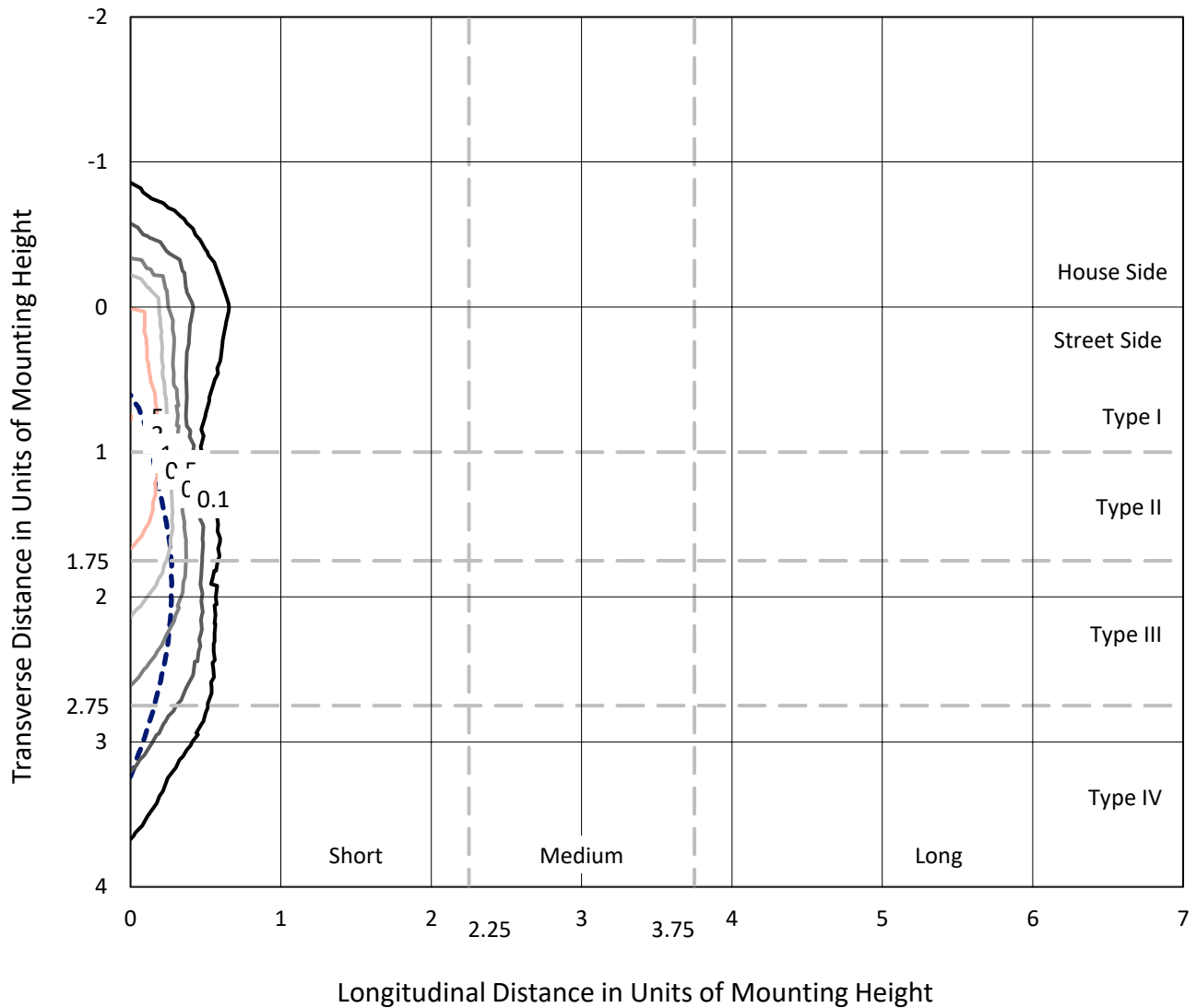
Input Watts (W): 126  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

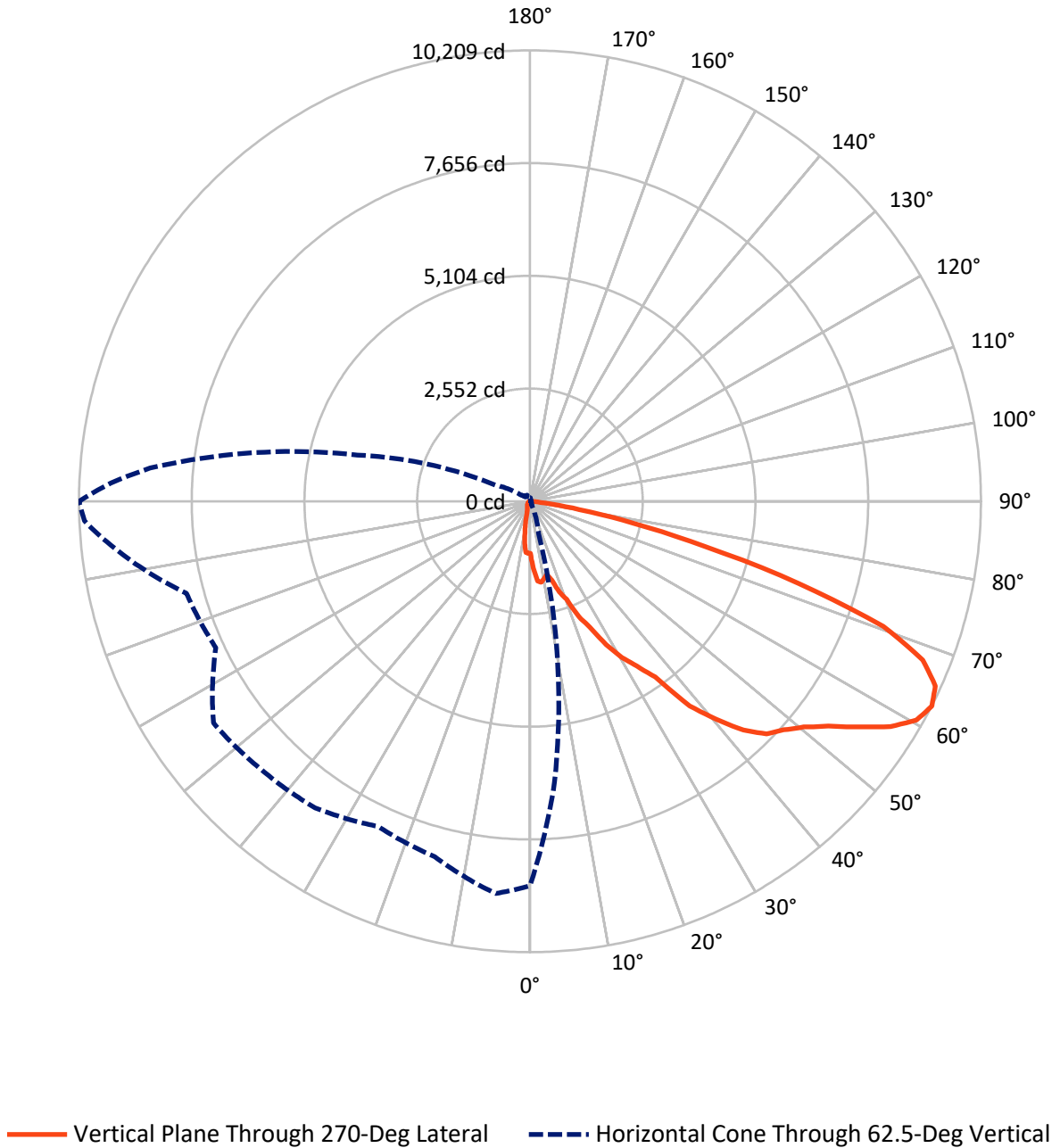
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot





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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1630.8	0.0	1630.8
	% Fixture	16.7	0.0	16.7
<b>Street Side</b>	Lumens	8135.2	0.0	8135.2
	% Fixture	83.3	0.0	83.3
<b>Total</b>	Lumens	9766.0	0.0	9766.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.5	1.3
10°-20°	343.5	3.5
20°-30°	555.2	5.7
30°-40°	929.8	9.5
40°-50°	1520.0	15.6
50°-60°	2250.2	23.0
60°-70°	2583.2	26.5
70°-80°	1277.2	13.1
80°-90°	175.4	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°	9766.0	100.0
0°-180°	9766.0	100.0

**Coefficient of Utilization**

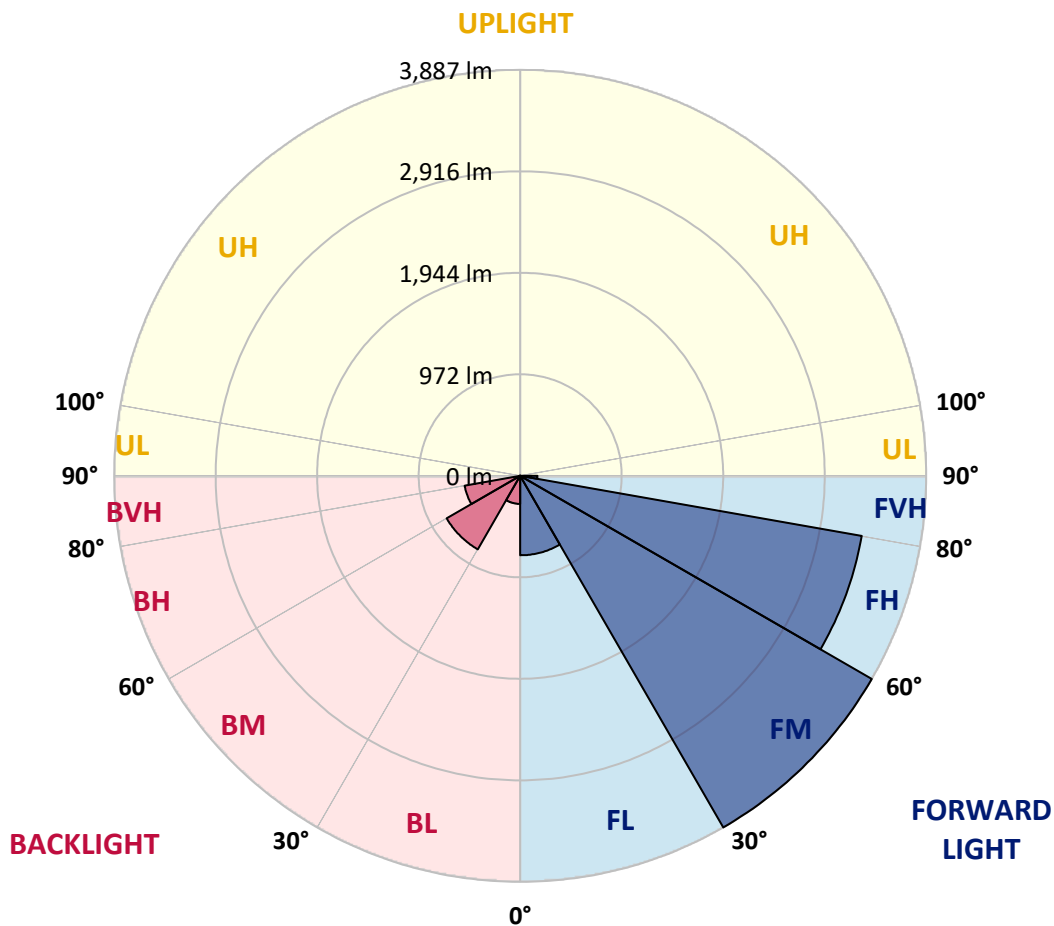


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	760.8	7.8			
FM (30°-60°)	3887.4	39.8			
FH (60°-80°)	3320.9	34.0			G2/5000
FVH (80°-90°)	166.1	1.7			G2/225
BL (0°-30°)	269.3	2.8	B1/500		
BM (30°-60°)	812.6	8.3	B1/1000		
BH (60°-80°)	539.6	5.5	B2/1000		G2/1000
BVH (80°-90°)	9.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8
2.5°	1560.4	1579.9	1598.8	1562.6	1526.5	1490.3	1454.1	1421.8	1389.5	1356.7	1324.4
5°	2008.0	1972.4	1936.7	1887.7	1838.8	1789.8	1740.8	1718.0	1695.1	1672.3	1649.5
7.5°	2163.9	2100.4	2036.4	1993.0	1950.1	1906.7	1863.3	1794.8	1725.7	1657.3	1588.2
10°	2041.4	1974.0	1906.1	1868.3	1830.4	1792.6	1754.7	1669.5	1583.8	1498.6	1412.9
12.5°	2097.6	2024.7	1951.8	1873.8	1795.9	1718.0	1640.0	1574.9	1509.2	1444.1	1378.4
15°	2136.6	2053.1	1969.0	1880.0	1790.9	1701.8	1612.7	1535.9	1459.6	1382.8	1306.0
17.5°	2365.4	2245.7	2126.0	1989.1	1852.1	1715.2	1578.2	1489.2	1400.6	1311.6	1222.5
20°	2659.3	2489.5	2319.2	2133.8	1948.4	1763.0	1577.7	1466.9	1356.1	1245.3	1134.5
22.5°	3001.1	2789.0	2576.4	2347.6	2119.3	1890.5	1661.7	1502.5	1343.3	1184.1	1024.9
25°	3345.2	3153.7	2962.2	2654.3	2346.5	2038.1	1730.2	1528.1	1325.5	1123.4	920.8
27.5°	3966.4	3624.1	3281.7	2889.8	2498.4	2106.5	1714.6	1483.0	1251.4	1019.3	787.7
30°	4372.8	4109.5	3845.6	3327.9	2810.7	2293.0	1775.3	1481.9	1188.5	894.6	601.2
32.5°	4858.8	4473.6	4087.8	3526.1	2964.4	2402.7	1841.0	1496.4	1151.2	806.6	461.5
35°	5404.9	4985.7	4566.6	3855.1	3143.6	2431.6	1720.2	1386.2	1052.1	718.1	384.1
37.5°	6369.7	5668.2	4966.8	4137.3	3307.3	2477.8	1647.8	1314.4	980.3	646.9	312.9
40°	6917.5	6247.8	5578.1	4541.5	3504.9	2468.4	1431.8	1135.7	840.0	543.9	247.7
42.5°	7630.0	6780.5	5930.4	4772.0	3613.5	2455.0	1296.5	1022.6	748.8	474.3	200.4
45°	8052.6	7090.0	6127.5	4872.2	3616.8	2361.5	1106.1	869.0	631.8	394.7	157.5
47.5°	8319.2	7353.9	6388.6	5040.9	3693.7	2345.9	998.2	779.9	561.7	343.5	125.3
50°	8454.5	7486.4	6517.8	5132.7	3747.7	2362.0	977.0	759.9	542.2	325.1	107.4
52.5°	8595.3	7661.8	6727.6	5291.9	3856.2	2420.5	984.8	763.2	542.2	320.7	99.1
55°	8879.8	7959.0	7037.7	5520.2	4002.6	2485.1	967.5	749.3	531.1	312.3	94.1
57.5°	9229.4	8245.2	7260.4	5687.2	4114.0	2540.7	967.5	748.2	528.9	309.0	89.6
60°	9163.2	8094.9	7026.0	5499.6	3973.1	2446.1	919.7	710.9	502.7	293.9	85.2
62.5°	8708.3	7548.8	6388.6	4977.9	3566.7	2156.1	744.9	578.4	412.0	244.9	78.5
65°	8173.9	6943.1	5711.7	4413.5	3114.7	1816.5	517.7	406.4	294.5	183.2	71.3
67.5°	7530.4	6217.7	4905.0	3750.4	2596.4	1441.8	287.3	231.6	175.9	119.7	64.0
70°	6413.7	5058.7	3703.1	2815.8	1928.9	1041.6	154.2	130.3	106.3	82.4	58.5
72.5°	4814.8	3573.4	2332.0	1771.4	1211.4	650.8	90.2	81.3	71.8	62.9	53.4
75°	3276.1	2345.9	1415.7	1077.8	740.4	402.5	64.6	60.1	55.1	50.7	45.6
77.5°	2227.3	1611.1	994.8	759.3	523.8	288.4	52.9	50.1	47.3	44.0	41.2
80°	1390.6	951.9	513.3	395.3	276.7	158.7	40.1	38.4	36.7	34.5	32.8
82.5°	972.5	581.7	190.9	149.2	107.4	65.1	23.4	23.9	24.5	24.5	25.1
85°	408.1	220.5	32.8	27.8	22.8	17.8	12.8	13.9	15.6	16.7	17.8
87.5°	7.2	3.9	0.0	1.1	2.8	3.9	5.0	6.7	7.8	9.5	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



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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°	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8
2.5°	1332.7	1341.1	1348.9	1357.2	1350.5	1344.4	1337.7	1331.1	1321.0	1311.6	1301.5
5°	1621.6	1593.8	1566.0	1538.1	1495.8	1453.5	1410.7	1368.4	1363.3	1358.3	1352.8
7.5°	1523.1	1458.0	1392.3	1327.2	1265.9	1204.7	1143.4	1082.2	1063.3	1044.9	1026.0
10°	1362.8	1312.7	1262.0	1211.9	1167.9	1123.4	1079.4	1034.9	988.7	942.5	895.7
12.5°	1326.0	1273.7	1220.8	1168.5	1128.4	1088.3	1048.3	1008.2	956.4	904.6	852.9
15°	1249.2	1192.4	1135.7	1078.9	1025.4	972.0	918.0	864.5	802.2	739.8	677.5
17.5°	1155.1	1088.3	1021.0	953.6	883.5	813.3	743.2	673.0	601.2	530.0	458.2
20°	1043.2	951.9	860.1	768.8	681.9	595.1	507.7	420.9	375.8	331.2	286.1
22.5°	906.9	788.3	670.3	551.7	480.4	408.6	337.4	265.5	246.1	226.6	207.1
25°	786.6	652.4	518.3	384.1	339.0	293.9	248.8	203.7	194.8	185.4	176.5
27.5°	661.4	535.5	409.2	282.8	257.2	231.0	205.4	179.3	173.1	167.6	161.4
30°	507.1	413.1	318.4	224.3	207.6	190.9	173.7	157.0	154.2	150.9	148.1
32.5°	393.0	324.0	255.5	186.5	177.0	167.6	158.1	148.6	144.2	139.7	134.7
35°	328.4	273.3	217.7	162.0	155.3	148.1	141.4	134.2	129.7	124.7	120.2
37.5°	272.2	232.1	191.5	150.9	143.6	136.4	128.6	121.4	118.0	114.7	111.3
40°	224.3	201.0	177.6	154.2	143.6	133.0	122.5	111.9	109.1	106.3	103.5
42.5°	185.4	170.3	154.8	139.7	131.9	124.7	116.9	109.1	105.2	100.8	96.9
45°	149.8	141.4	133.6	125.3	125.8	126.4	126.4	126.9	116.9	106.3	96.3
47.5°	121.4	117.5	113.0	109.1	113.6	118.0	121.9	126.4	115.8	105.2	94.1
50°	104.1	101.3	98.0	94.6	99.1	104.1	108.6	113.0	108.6	104.7	100.2
52.5°	95.2	91.3	87.4	83.5	85.2	87.4	89.1	90.7	90.7	90.7	90.7
55°	89.6	85.7	81.3	76.8	75.2	72.9	71.3	69.0	66.2	64.0	61.2
57.5°	85.2	80.7	75.7	71.3	68.5	65.1	62.3	59.0	56.2	52.9	50.1
60°	80.7	76.3	71.3	66.8	64.0	61.2	57.9	55.1	51.8	49.0	45.6
62.5°	74.6	70.7	66.8	62.9	60.1	57.9	55.1	52.3	49.0	45.6	41.8
65°	67.9	65.1	61.8	58.5	55.7	52.9	50.1	47.3	44.0	41.2	37.9
67.5°	61.8	59.0	56.8	54.0	50.7	47.9	44.5	41.2	39.0	36.7	34.0
70°	56.8	54.6	52.9	50.7	47.3	44.5	41.2	37.9	36.2	34.0	32.3
72.5°	51.8	50.1	47.9	46.2	43.4	40.6	37.9	35.1	33.4	31.7	30.1
75°	44.5	43.4	42.3	41.2	38.4	35.6	32.3	29.5	28.9	28.4	27.8
77.5°	40.1	39.5	38.4	37.3	34.5	31.7	28.9	26.2	26.7	27.3	27.3
80°	32.8	32.8	32.3	32.3	30.1	27.8	25.1	22.8	23.9	25.6	26.7
82.5°	25.1	25.1	25.1	25.1	22.8	20.6	18.4	16.1	17.8	18.9	20.6
85°	17.3	16.7	16.1	15.6	13.9	12.8	11.1	9.5	11.7	13.4	15.6
87.5°	10.6	11.1	11.1	11.1	10.0	8.4	7.2	5.6	6.7	7.2	8.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367821  
 CATALOG NUMBER: MSA-SA3B-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: P367821  
 CATALOG NUMBER: MSA-SA3B-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8
2.5°	1291.5	1274.8	1258.1	1240.9	1224.2	1185.2	1146.2	1107.3	1068.3	1097.2	1125.6
5°	1347.8	1315.5	1282.6	1250.3	1217.5	1203.0	1189.1	1174.6	1160.1	1162.4	1165.2
7.5°	1007.1	985.9	964.7	943.0	921.9	917.4	913.5	909.1	904.6	914.1	923.0
10°	849.5	820.0	789.9	760.4	730.4	714.2	698.1	681.9	665.8	664.1	661.9
12.5°	801.1	756.0	711.5	666.4	621.3	586.2	551.1	516.1	481.0	483.8	486.5
15°	615.1	570.1	525.5	480.4	435.3	406.9	378.0	349.6	320.7	312.3	304.0
17.5°	386.3	352.9	319.5	285.6	252.2	242.7	233.8	224.3	214.9	212.1	209.3
20°	241.0	226.6	212.1	197.1	182.6	180.4	178.1	175.9	173.7	175.4	177.0
22.5°	187.6	181.5	174.8	168.7	162.0	159.8	157.5	155.3	153.1	154.8	155.9
25°	167.0	162.6	158.1	153.6	149.2	147.0	144.2	142.0	139.2	140.3	142.0
27.5°	155.3	151.4	147.5	143.6	139.7	135.8	132.5	128.6	124.7	126.9	128.6
30°	144.7	140.3	136.4	131.9	127.5	123.6	119.7	115.2	111.3	113.6	115.8
32.5°	130.3	126.4	121.9	118.0	113.6	111.3	109.1	106.3	104.1	105.8	106.9
35°	115.2	111.9	109.1	105.8	102.4	100.2	98.5	96.3	94.1	94.6	95.8
37.5°	108.0	104.1	100.2	96.3	92.4	91.3	90.2	88.5	87.4	87.4	87.4
40°	100.8	96.9	93.0	88.5	84.6	82.9	81.3	79.6	77.9	77.9	77.9
42.5°	92.4	88.5	84.6	80.7	76.8	75.2	72.9	71.3	69.0	69.0	69.0
45°	85.7	81.8	78.5	74.6	70.7	67.9	65.1	61.8	59.0	58.5	57.9
47.5°	83.5	77.9	72.4	66.8	61.2	58.5	55.7	52.3	49.5	49.0	48.4
50°	95.8	84.6	73.5	62.3	51.2	49.0	46.8	44.5	42.3	41.2	40.6
52.5°	90.7	79.1	67.4	55.7	44.0	42.3	40.6	39.0	37.3	36.2	35.1
55°	58.5	53.4	49.0	44.0	39.0	37.9	36.7	35.1	34.0	32.8	31.7
57.5°	46.8	44.0	41.8	39.0	36.2	35.1	34.0	32.3	31.2	29.5	28.4
60°	42.3	40.1	37.9	35.6	33.4	32.3	31.2	30.1	28.9	27.3	26.2
62.5°	38.4	36.7	35.1	33.4	31.7	30.6	29.5	28.4	27.3	25.6	23.9
65°	34.5	33.4	32.3	31.2	30.1	28.9	27.8	26.2	25.1	23.4	21.7
67.5°	31.7	31.2	30.6	30.1	29.5	28.4	26.7	25.6	23.9	22.3	20.0
70°	30.1	30.1	30.1	29.5	29.5	28.4	26.7	25.6	23.9	21.7	20.0
72.5°	28.4	28.9	29.5	29.5	30.1	28.4	26.7	25.1	23.4	21.2	19.5
75°	27.3	27.8	28.4	28.4	28.9	27.8	26.7	25.1	23.9	21.7	19.5
77.5°	27.8	28.4	28.4	28.9	28.9	27.8	26.7	25.1	23.9	21.2	18.4
80°	27.8	27.3	26.7	25.6	25.1	22.8	20.6	17.8	15.6	12.2	9.5
82.5°	21.7	20.6	20.0	18.9	17.8	15.6	13.4	11.1	8.9	6.7	4.5
85°	17.3	16.1	15.6	14.5	13.4	11.7	9.5	7.8	5.6	4.5	2.8
87.5°	8.9	8.4	7.2	6.7	5.6	4.5	2.8	1.7	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: P367821  
 CATALOG NUMBER: MSA-SA3B-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: P367821  
 CATALOG NUMBER: MSA-SA3B-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°	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8
2.5°	1154.6	1183.0	1179.1	1175.2	1193.5	1211.9	1198.6	1185.8	1172.4	1159.0	1131.2
5°	1167.4	1169.6	1165.7	1161.3	1161.8	1162.4	1153.5	1144.6	1135.7	1126.7	1125.1
7.5°	932.5	941.4	953.6	965.3	965.9	965.9	959.2	952.5	945.3	938.6	941.9
10°	660.2	658.0	661.4	664.7	664.1	663.0	680.8	698.6	715.9	733.7	720.9
12.5°	488.8	491.6	477.6	463.7	468.7	473.2	476.0	478.8	481.5	484.3	492.1
15°	295.6	287.3	277.2	267.2	272.2	276.7	281.7	286.1	291.2	295.6	300.6
17.5°	206.0	203.2	198.7	193.7	194.3	194.8	195.4	196.0	196.0	196.5	197.6
20°	178.7	180.4	177.0	173.1	172.0	170.3	169.2	168.1	166.5	165.3	163.7
22.5°	157.5	158.7	159.2	159.2	157.0	154.2	152.0	150.3	148.1	145.9	144.7
25°	143.1	144.2	143.1	141.4	140.3	139.2	138.1	136.4	135.3	133.6	133.0
27.5°	130.8	132.5	132.5	131.9	130.8	129.2	126.4	124.1	121.4	118.6	119.1
30°	118.0	120.2	120.2	119.7	119.1	118.6	115.8	113.0	110.2	107.4	108.6
32.5°	108.6	109.7	109.1	108.6	108.6	108.0	105.8	104.1	101.9	99.6	99.6
35°	96.3	96.9	96.9	96.9	96.9	96.3	94.6	93.0	91.3	89.6	90.2
37.5°	87.4	87.4	89.1	90.2	89.1	88.0	86.8	85.2	84.1	82.4	82.4
40°	77.4	77.4	79.1	80.2	79.1	77.9	77.4	76.3	75.7	74.6	74.6
42.5°	68.5	68.5	70.1	71.3	71.3	70.7	69.6	68.5	67.4	66.2	66.8
45°	57.3	56.8	59.6	61.8	60.7	59.6	59.6	59.0	59.0	58.5	59.0
47.5°	47.3	46.8	49.0	51.2	50.7	49.5	49.5	49.5	49.5	49.5	50.1
50°	39.5	38.4	40.6	42.3	41.8	40.6	40.6	41.2	41.2	41.2	41.8
52.5°	34.0	32.8	34.5	35.6	35.1	34.5	34.5	35.1	35.1	35.1	35.6
55°	30.1	28.9	30.6	31.7	31.2	30.1	30.6	30.6	31.2	31.2	31.2
57.5°	26.7	25.1	26.2	27.3	27.3	26.7	27.3	27.3	27.8	27.8	27.8
60°	24.5	22.8	23.9	24.5	24.5	23.9	24.5	24.5	25.1	25.1	25.1
62.5°	21.7	20.0	21.2	21.7	21.7	21.2	21.7	21.7	22.3	22.3	22.3
65°	19.5	17.8	18.4	18.9	18.9	18.9	19.5	19.5	20.0	20.0	20.0
67.5°	18.4	16.1	16.7	17.3	17.3	17.3	17.8	17.8	18.4	18.4	18.9
70°	17.8	15.6	16.1	16.1	16.7	16.7	16.7	17.3	17.3	17.3	17.3
72.5°	17.3	15.0	15.0	15.0	15.6	15.6	15.6	16.1	16.1	16.1	16.1
75°	17.3	15.0	14.5	13.9	14.5	14.5	14.5	15.0	15.0	15.0	15.0
77.5°	15.0	12.2	11.1	9.5	11.1	12.2	12.8	12.8	13.4	13.4	13.4
80°	6.1	2.8	1.7	0.0	0.6	1.1	1.7	2.2	2.8	3.3	3.9
82.5°	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.7	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: P367821  
 CATALOG NUMBER: MSA-SA3B-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: P367821  
 CATALOG NUMBER: MSA-SA3B-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8
2.5°	1103.4	1075.5	1047.7	1061.1	1074.4	1087.8	1101.1	1100.0	1098.4	1097.2	1095.6
5°	1124.0	1122.3	1120.6	1112.8	1105.6	1097.8	1090.0	1088.3	1086.1	1084.4	1082.2
7.5°	945.3	948.0	951.4	942.5	933.6	924.7	915.8	892.9	870.1	846.7	823.9
10°	708.1	694.8	681.9	680.8	679.7	678.6	677.5	675.3	673.0	670.3	668.0
12.5°	500.5	508.3	516.1	513.3	510.5	507.1	504.4	508.3	512.7	516.6	520.5
15°	305.1	310.1	314.5	324.6	334.6	344.6	354.6	358.5	363.0	366.9	370.8
17.5°	198.7	199.3	200.4	211.5	222.1	233.3	243.8	251.1	258.3	265.0	272.2
20°	162.0	160.3	158.7	164.8	170.9	177.0	183.2	189.8	196.5	203.2	209.9
22.5°	144.2	143.1	142.0	144.2	146.4	148.1	150.3	155.3	160.9	165.9	170.9
25°	132.5	131.4	130.8	131.9	133.0	134.2	135.3	138.1	140.8	143.6	146.4
27.5°	119.1	119.7	119.7	120.8	121.4	122.5	123.0	124.1	125.8	126.9	128.0
30°	109.1	110.2	110.8	111.9	112.5	113.6	114.1	113.6	113.0	112.5	111.9
32.5°	99.6	99.1	99.1	100.2	100.8	101.9	102.4	103.5	104.7	105.2	106.3
35°	90.2	90.7	90.7	90.7	91.3	91.3	91.3	92.4	94.1	95.2	96.3
37.5°	81.8	81.8	81.3	82.9	84.1	85.7	86.8	88.0	89.6	90.7	91.9
40°	74.6	74.6	74.6	75.7	76.8	77.4	78.5	81.3	84.1	86.8	89.6
42.5°	66.8	67.4	67.4	68.5	69.6	70.1	71.3	73.5	75.2	77.4	79.1
45°	59.6	60.1	60.7	61.8	62.3	63.5	64.0	65.1	65.7	66.8	67.4
47.5°	51.2	51.8	52.3	53.4	54.0	55.1	55.7	55.1	55.1	54.6	54.0
50°	42.9	43.4	44.0	45.6	46.8	48.4	49.5	48.4	47.3	45.6	44.5
52.5°	36.2	36.2	36.7	37.9	39.0	39.5	40.6	40.1	39.5	39.0	38.4
55°	31.2	31.2	31.2	31.7	32.3	32.8	33.4	34.0	34.0	34.5	34.5
57.5°	27.8	27.3	27.3	27.8	28.4	28.4	28.9	29.5	29.5	30.1	30.1
60°	25.1	24.5	24.5	25.1	25.6	26.2	26.7	26.7	26.7	26.2	26.2
62.5°	22.3	22.3	22.3	22.8	22.8	23.4	23.4	23.4	23.9	23.9	23.9
65°	20.6	20.6	20.6	20.6	20.6	20.0	20.0	20.6	20.6	21.2	21.2
67.5°	18.9	19.5	19.5	18.9	18.4	17.8	17.3	17.8	17.8	18.4	18.4
70°	17.3	17.3	17.3	16.7	16.1	15.6	15.0	15.0	15.0	14.5	14.5
72.5°	16.1	15.6	15.6	15.0	13.9	13.4	12.2	11.7	11.7	11.1	10.6
75°	15.0	14.5	14.5	13.4	12.2	11.1	10.0	9.5	8.4	7.8	6.7
77.5°	13.4	13.4	13.4	11.7	10.6	8.9	7.2	6.1	5.0	3.3	2.2
80°	4.5	5.0	5.6	5.0	5.0	4.5	3.9	2.8	2.2	1.1	0.0
82.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367821  
 CATALOG NUMBER: MSA-SA3B-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: P367821  
 CATALOG NUMBER: MSA-SA3B-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°	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8
2.5°	1101.7	1107.8	1113.9	1120.1	1120.6	1121.2	1121.7	1122.3	1108.4	1093.9	1080.0
5°	1093.3	1105.0	1116.2	1127.3	1121.2	1115.1	1108.9	1102.8	1102.3	1102.3	1101.7
7.5°	825.6	826.7	828.4	829.5	831.7	833.9	835.6	837.8	846.7	855.6	864.0
10°	660.8	653.6	645.8	638.5	633.0	626.8	621.3	615.1	619.6	624.6	629.1
12.5°	514.4	508.3	501.6	495.5	493.2	491.0	488.2	486.0	500.5	514.9	528.9
15°	369.6	368.5	366.9	365.7	373.0	380.2	387.5	394.7	406.9	418.6	430.9
17.5°	275.0	277.8	280.6	283.4	287.8	292.3	296.2	300.6	309.5	319.0	327.9
20°	213.2	217.1	220.5	223.8	222.7	221.6	219.9	218.8	226.0	233.3	239.9
22.5°	174.2	177.0	180.4	183.2	183.7	184.3	184.8	185.4	189.8	193.7	198.2
25°	149.2	152.5	155.3	158.1	158.7	159.2	159.8	160.3	165.9	171.5	176.5
27.5°	131.9	135.3	139.2	142.5	143.6	144.7	145.9	147.0	150.3	153.1	156.4
30°	116.3	120.8	125.3	129.7	131.4	133.0	134.7	136.4	139.7	143.6	147.0
32.5°	108.6	111.3	113.6	115.8	119.7	123.0	126.9	130.3	134.2	138.6	142.5
35°	99.6	102.4	105.8	108.6	111.3	114.1	116.3	119.1	121.4	123.6	125.3
37.5°	94.1	96.9	99.1	101.3	102.4	103.5	104.1	105.2	106.3	107.4	108.0
40°	89.6	89.1	89.1	88.5	89.6	91.3	92.4	93.5	96.9	99.6	103.0
42.5°	77.9	76.3	75.2	73.5	76.3	78.5	81.3	83.5	88.0	92.4	96.9
45°	66.2	65.1	63.5	62.3	66.2	70.1	74.0	77.9	82.9	87.4	92.4
47.5°	54.6	55.1	55.1	55.7	59.6	63.5	66.8	70.7	75.7	80.7	85.7
50°	45.6	46.8	47.9	49.0	52.9	56.2	60.1	63.5	69.0	74.0	79.6
52.5°	40.1	41.8	42.9	44.5	47.9	51.8	55.1	58.5	63.5	68.5	73.5
55°	36.2	38.4	40.1	41.8	44.5	47.3	50.1	52.9	57.9	62.9	67.4
57.5°	31.7	33.4	35.1	36.7	39.5	42.3	44.5	47.3	51.8	56.8	61.2
60°	27.8	28.9	30.6	31.7	34.0	36.7	39.0	41.2	45.6	50.1	54.0
62.5°	24.5	25.6	26.2	26.7	28.9	31.2	33.4	35.6	39.5	44.0	47.9
65°	21.7	22.3	22.3	22.8	24.5	26.7	28.4	30.1	34.5	38.4	42.9
67.5°	18.4	18.9	18.9	18.9	20.6	22.3	23.9	25.6	29.5	34.0	37.9
70°	14.5	15.0	15.0	15.0	16.7	18.9	20.6	22.3	25.6	28.9	32.3
72.5°	11.1	11.1	11.7	11.7	13.4	15.6	17.3	18.9	21.7	24.5	27.3
75°	7.2	7.8	7.8	8.4	10.0	12.2	13.9	15.6	18.4	21.2	23.4
77.5°	2.8	3.9	4.5	5.0	6.7	8.4	10.0	11.7	13.9	16.7	18.9
80°	0.0	0.6	0.6	0.6	1.7	2.2	3.3	3.9	5.6	7.8	9.5
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: P367821  
 CATALOG NUMBER: MSA-SA3B-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: P367821  
 CATALOG NUMBER: MSA-SA3B-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8
2.5°	1065.5	1096.1	1126.7	1157.4	1188.0	1225.8	1263.7	1269.3	1274.8	1268.1	1262.0
5°	1101.1	1116.2	1130.6	1145.7	1160.1	1203.6	1246.4	1247.0	1247.0	1247.5	1247.5
7.5°	872.9	885.7	898.5	910.7	923.6	951.9	980.3	990.9	1000.9	998.7	996.5
10°	633.5	650.2	666.4	683.1	699.2	725.4	751.5	761.6	771.0	801.6	832.8
12.5°	543.3	559.5	575.6	591.2	607.4	634.1	660.8	680.3	699.2	718.1	737.1
15°	442.6	455.4	468.7	481.5	494.3	506.6	518.8	542.8	566.2	585.1	604.0
17.5°	336.8	342.4	347.4	352.9	358.0	363.5	369.1	379.1	388.6	405.3	421.4
20°	247.2	251.6	256.1	260.0	264.4	270.0	275.6	282.8	289.5	293.4	296.7
22.5°	202.1	208.8	215.4	221.6	228.2	232.1	236.0	238.3	240.5	242.2	243.8
25°	182.0	188.2	193.7	199.9	205.4	207.1	208.8	213.2	217.7	217.7	217.7
27.5°	159.2	167.6	176.5	184.8	193.2	195.4	197.1	198.7	199.9	197.6	194.8
30°	150.3	158.7	167.0	174.8	183.2	186.5	189.3	190.9	192.6	189.8	187.0
32.5°	146.4	154.2	161.4	169.2	176.5	180.9	184.8	189.3	193.2	193.7	194.8
35°	127.5	132.5	138.1	143.1	148.1	150.3	152.5	154.2	155.3	155.3	155.3
37.5°	109.1	115.8	123.0	129.7	136.4	141.4	146.4	147.0	147.0	148.1	149.8
40°	105.8	112.5	119.1	125.3	131.9	137.5	142.5	143.1	143.6	144.7	145.9
42.5°	101.3	108.6	115.8	123.0	130.3	135.8	140.8	140.8	140.3	142.0	143.1
45°	96.9	104.1	110.8	118.0	124.7	131.9	138.6	136.9	134.7	137.5	139.7
47.5°	90.7	98.5	106.3	113.6	121.4	128.0	134.2	133.0	131.4	134.2	136.9
50°	84.6	92.4	100.2	108.0	115.8	123.0	129.7	128.6	127.5	130.8	133.6
52.5°	78.5	86.3	94.6	102.4	110.2	116.3	121.9	121.4	120.8	124.1	128.0
55°	72.4	79.6	87.4	94.6	101.9	108.6	114.7	113.6	112.5	115.2	118.0
57.5°	65.7	72.9	79.6	86.8	93.5	99.1	104.1	102.4	100.8	104.1	107.4
60°	58.5	65.1	71.8	77.9	84.6	89.1	93.0	91.9	90.2	93.5	96.9
62.5°	51.8	57.9	64.0	69.6	75.7	79.1	82.4	81.3	80.2	83.5	87.4
65°	46.8	51.8	56.2	61.2	65.7	69.0	72.4	70.7	69.0	72.9	76.3
67.5°	41.8	45.6	50.1	54.0	57.9	60.7	63.5	62.3	60.7	63.5	66.2
70°	35.6	39.5	43.4	46.8	50.7	53.4	56.2	54.6	52.3	55.1	57.9
72.5°	30.1	33.4	36.7	39.5	42.9	45.1	47.3	45.6	44.0	46.2	48.4
75°	26.2	28.9	31.7	34.0	36.7	37.9	39.0	38.4	37.3	39.5	41.2
77.5°	21.2	23.4	26.2	28.4	30.6	30.6	30.6	31.2	31.2	33.4	36.2
80°	11.1	13.4	15.6	17.3	19.5	19.5	18.9	20.0	20.6	23.4	26.2
82.5°	0.0	1.7	3.3	5.0	6.7	6.1	5.0	5.6	5.6	6.7	7.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367821  
 CATALOG NUMBER: MSA-SA3B-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: P367821

CATALOG NUMBER: MSA-SA3B-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°	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8
2.5°	1255.3	1248.7	1244.2	1240.3	1235.9	1231.4	1237.0	1242.5	1247.5	1253.1	1269.8
5°	1248.1	1248.1	1244.2	1240.3	1236.4	1232.5	1240.9	1248.7	1257.0	1264.8	1264.2
7.5°	993.7	991.5	1014.9	1037.7	1061.1	1083.9	1090.0	1096.1	1101.7	1107.8	1106.1
10°	863.4	894.0	904.1	914.1	924.1	934.1	946.4	958.6	970.9	983.1	987.6
12.5°	756.0	774.9	807.2	838.9	871.2	903.0	919.1	935.8	951.9	968.1	999.8
15°	622.9	641.9	669.7	697.5	725.4	753.2	778.8	805.0	830.6	856.2	894.6
17.5°	438.1	454.3	475.4	496.6	517.2	538.3	577.8	617.4	656.9	696.4	737.1
20°	300.6	304.0	314.0	324.6	334.6	344.6	380.2	416.4	452.0	487.7	541.1
22.5°	244.9	246.6	251.6	256.6	261.1	266.1	284.5	303.4	321.8	340.1	383.6
25°	217.1	217.1	220.5	223.8	227.1	230.5	240.5	250.5	260.0	270.0	297.8
27.5°	192.6	189.8	194.8	199.9	204.9	209.9	217.1	224.9	232.1	239.4	258.3
30°	184.3	181.5	187.6	193.7	199.9	206.0	213.2	220.5	227.1	234.4	247.2
32.5°	195.4	196.0	198.2	200.4	202.1	204.3	207.6	211.5	214.9	218.2	229.4
35°	155.3	155.3	159.2	163.1	166.5	170.3	176.5	182.6	188.7	194.8	206.5
37.5°	150.9	152.0	155.3	159.2	162.6	165.9	173.7	182.0	189.8	197.6	207.1
40°	146.4	147.5	152.0	156.4	160.9	165.3	173.1	180.4	188.2	195.4	204.3
42.5°	144.7	145.9	151.4	157.5	163.1	168.7	175.4	182.0	188.2	194.8	207.1
45°	142.5	144.7	151.4	158.7	165.3	172.0	178.1	184.3	190.4	196.5	211.5
47.5°	139.2	142.0	149.8	157.0	164.8	172.0	183.7	196.0	207.6	219.3	226.6
50°	136.9	139.7	148.1	156.4	164.8	173.1	192.1	211.0	229.4	248.3	244.4
52.5°	131.4	134.7	145.3	155.9	166.5	177.0	193.7	210.4	227.1	243.8	236.0
55°	120.8	123.6	135.8	148.1	159.8	172.0	184.3	196.5	208.2	220.5	211.5
57.5°	110.2	113.6	125.3	136.9	148.1	159.8	165.9	172.0	178.1	184.3	180.9
60°	100.2	103.5	119.1	134.7	150.3	165.9	160.3	154.8	148.6	143.1	147.0
62.5°	90.7	94.1	109.1	123.6	138.6	153.1	145.3	137.5	129.7	121.9	128.0
65°	80.2	83.5	89.1	95.2	100.8	106.3	105.8	104.7	104.1	103.0	109.7
67.5°	69.0	71.8	74.6	77.9	80.7	83.5	85.2	87.4	89.1	90.7	96.3
70°	60.1	62.9	66.2	69.0	72.4	75.2	76.3	77.4	77.9	79.1	84.1
72.5°	50.1	52.3	56.8	61.2	65.1	69.6	70.1	70.1	70.7	70.7	74.6
75°	43.4	45.1	48.4	51.8	54.6	57.9	59.6	61.2	62.3	64.0	66.2
77.5°	38.4	40.6	41.8	42.3	43.4	44.0	45.1	46.2	47.3	48.4	49.0
80°	28.4	31.2	32.3	32.8	34.0	34.5	34.5	34.0	34.0	33.4	34.0
82.5°	8.9	10.0	11.7	13.4	15.0	16.7	17.3	17.8	17.8	18.4	17.8
85°	1.7	2.2	3.3	4.5	5.0	6.1	5.6	4.5	3.9	2.8	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367821  
 CATALOG NUMBER: MSA-SA3B-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: P367821  
 CATALOG NUMBER: MSA-SA3B-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8
2.5°	1286.5	1302.7	1319.4	1312.7	1306.0	1299.3	1292.6	1293.8	1295.4	1296.5	1297.7
5°	1263.7	1262.6	1262.0	1281.0	1300.4	1319.4	1338.3	1358.9	1380.0	1400.6	1421.2
7.5°	1104.5	1102.3	1100.6	1125.1	1149.6	1174.1	1198.6	1227.0	1255.9	1284.3	1312.7
10°	992.0	996.5	1000.9	1011.0	1021.5	1031.6	1041.6	1068.9	1096.1	1122.8	1150.1
12.5°	1031.6	1062.7	1094.5	1100.6	1106.1	1112.3	1117.8	1121.7	1125.6	1129.5	1133.4
15°	933.6	972.0	1010.4	1026.5	1042.1	1058.3	1073.9	1115.1	1155.7	1196.9	1237.5
17.5°	777.7	817.8	858.4	906.9	955.3	1003.7	1052.1	1096.7	1141.2	1185.8	1230.3
20°	595.1	648.5	702.0	763.2	825.0	886.3	947.5	992.0	1036.0	1080.5	1124.5
22.5°	427.5	471.0	514.4	588.4	661.9	735.9	809.4	886.8	964.7	1042.1	1119.5
25°	325.7	352.9	380.8	453.7	526.6	599.0	671.9	778.3	884.6	990.9	1097.2
27.5°	276.7	295.6	314.0	379.7	445.4	510.5	576.2	702.5	828.9	955.3	1081.7
30°	260.5	273.3	286.1	341.8	398.0	453.7	509.4	637.4	765.5	893.5	1021.5
32.5°	240.5	251.1	262.2	311.2	360.2	408.6	457.6	582.9	708.1	832.8	958.1
35°	217.7	229.4	240.5	289.5	338.5	386.9	435.9	565.6	695.3	825.0	954.7
37.5°	216.0	225.5	234.4	291.2	348.5	405.3	462.1	591.8	721.5	850.6	980.3
40°	213.8	222.7	231.6	289.5	346.8	404.7	462.1	597.9	733.7	869.6	1005.4
42.5°	219.3	231.0	243.3	294.5	345.7	396.4	447.6	590.7	733.7	876.2	1019.3
45°	227.1	242.2	257.2	304.0	350.7	397.5	444.2	599.6	754.9	909.6	1065.0
47.5°	234.4	241.6	248.8	293.4	337.4	381.9	425.9	584.5	743.2	901.8	1060.5
50°	241.0	237.2	233.3	282.2	331.2	379.7	428.7	580.1	730.9	882.4	1033.2
52.5°	227.7	219.9	211.5	263.9	316.2	368.0	420.3	572.8	725.4	877.9	1030.4
55°	202.6	193.7	184.8	236.6	287.8	339.6	390.8	542.8	694.8	846.7	998.7
57.5°	177.0	173.7	169.8	209.3	248.8	287.8	327.3	496.0	665.2	833.9	1002.6
60°	150.9	154.2	158.1	186.5	214.9	242.7	271.1	436.4	601.2	766.6	931.3
62.5°	133.6	139.7	145.3	169.2	193.7	217.7	241.6	397.5	553.4	709.2	865.1
65°	116.9	123.6	130.3	158.7	187.6	216.0	244.4	376.3	508.3	640.2	772.1
67.5°	101.9	106.9	112.5	149.8	187.0	224.3	261.6	369.6	477.1	585.1	692.5
70°	89.1	93.5	98.5	142.0	185.4	228.8	272.2	364.1	456.5	548.3	640.2
72.5°	78.5	82.4	86.3	130.3	174.2	218.2	262.2	344.0	425.3	507.1	588.4
75°	68.5	70.1	72.4	109.7	146.4	183.7	220.5	275.0	330.1	384.7	439.2
77.5°	49.5	49.5	50.1	61.2	71.8	82.9	93.5	127.5	161.4	194.8	228.8
80°	34.0	34.5	34.5	39.0	42.9	47.3	51.2	58.5	65.1	72.4	79.1
82.5°	17.3	16.1	15.6	20.0	24.5	28.9	33.4	35.1	36.2	37.9	39.0
85°	1.7	0.6	0.0	2.8	5.6	8.4	11.1	13.4	15.6	17.8	20.0
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: P367821  
 CATALOG NUMBER: MSA-SA3B-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: P367821

CATALOG NUMBER: MSA-SA3B-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°	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8
2.5°	1293.2	1288.7	1284.3	1279.8	1307.1	1334.9	1362.2	1389.5	1466.9	1517.5	1512.0
5°	1441.3	1461.3	1481.4	1501.4	1533.7	1566.5	1598.8	1631.1	1745.8	1815.9	1826.0
7.5°	1343.9	1374.5	1405.6	1436.3	1498.6	1560.4	1622.8	1684.6	1778.6	1851.6	1892.8
10°	1185.2	1220.3	1254.8	1289.9	1360.0	1430.7	1500.8	1571.0	1676.8	1777.5	1829.3
12.5°	1188.5	1243.7	1298.8	1353.9	1415.1	1476.3	1537.0	1598.3	1662.8	1696.8	1769.7
15°	1281.0	1324.4	1367.8	1411.2	1491.4	1571.5	1651.2	1731.3	1769.7	1851.6	1936.7
17.5°	1314.9	1400.1	1484.7	1569.3	1669.5	1769.2	1869.4	1969.0	2041.4	2155.0	2242.9
20°	1252.0	1379.5	1506.4	1633.9	1771.4	1908.9	2046.4	2183.9	2263.0	2371.0	2506.8
22.5°	1254.8	1390.1	1524.8	1660.1	1849.9	2039.2	2229.0	2418.3	2630.4	2838.6	2904.8
25°	1274.3	1451.3	1627.8	1804.8	2024.1	2243.5	2462.8	2682.1	2938.2	3157.0	3245.0
27.5°	1281.0	1480.2	1679.0	1878.3	2190.0	2501.8	2813.5	3125.3	3430.9	3678.1	3772.2
30°	1264.8	1508.6	1751.9	1995.2	2377.6	2760.1	3142.5	3525.0	3815.0	4102.8	4219.7
32.5°	1268.7	1579.3	1890.0	2200.6	2651.0	3101.9	3552.3	4002.6	4188.0	4447.4	4653.4
35°	1295.4	1636.1	1976.3	2317.0	2815.2	3313.4	3811.7	4309.9	4613.9	4887.8	5062.6
37.5°	1357.8	1735.2	2112.1	2489.5	3101.9	3714.8	4327.2	4939.5	5409.9	5880.3	5960.5
40°	1404.0	1802.6	2201.2	2599.8	3310.7	4021.5	4732.4	5443.3	5975.5	6486.0	6540.6
42.5°	1456.3	1892.8	2329.8	2766.2	3561.2	4356.1	5151.1	5946.0	6562.3	7082.8	7119.0
45°	1513.6	1962.9	2411.6	2860.3	3693.1	4525.4	5358.2	6190.4	6910.2	7514.8	7378.4
47.5°	1540.9	2021.4	2501.8	2982.2	3875.1	4767.5	5660.5	6552.8	7198.6	7731.9	7572.7
50°	1562.1	2090.4	2619.2	3147.5	4083.9	5020.3	5956.6	6893.0	7540.4	8032.5	7783.1
52.5°	1621.6	2212.3	2803.5	3394.2	4390.1	5385.4	6381.4	7376.7	8003.0	8455.1	8105.4
55°	1679.5	2359.8	3040.7	3720.9	4792.0	5863.6	6934.7	8005.8	8629.3	9016.8	8541.9
57.5°	1752.5	2502.9	3252.8	4002.6	5148.3	6294.0	7439.1	8584.8	9194.3	9622.4	9129.2
60°	1733.5	2535.2	3337.4	4139.0	5305.8	6472.7	7639.5	8806.3	9530.6	10056.7	9722.1
62.5°	1660.1	2455.0	3249.4	4044.4	5190.6	6336.3	7482.5	8628.2	9496.1	10208.6	10096.2
65°	1511.4	2250.2	2989.4	3728.2	4822.6	5917.6	7012.1	8106.6	9177.6	10084.5	10124.6
67.5°	1316.0	1939.5	2562.5	3186.0	4206.9	5227.9	6248.3	7269.3	8533.5	9591.3	9710.4
70°	1108.9	1577.1	2045.8	2514.0	3412.5	4311.0	5209.0	6107.5	7421.8	8486.2	8711.1
72.5°	889.0	1190.2	1490.8	1791.4	2440.0	3088.0	3736.5	4384.5	5540.8	6366.9	6759.4
75°	576.2	713.1	850.1	987.0	1419.0	1850.4	2282.4	2713.9	3481.6	4090.0	4533.7
77.5°	256.6	284.5	311.7	339.6	673.0	1006.5	1340.0	1673.4	2006.9	2374.3	2478.4
80°	91.9	104.1	116.9	129.2	292.8	457.0	620.7	784.4	945.8	1135.7	1181.9
82.5°	38.4	38.4	37.9	37.3	95.8	154.2	212.7	271.1	313.4	360.2	369.1
85°	15.6	11.7	7.2	2.8	12.2	22.3	31.7	41.2	66.2	60.1	111.3
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: P367821  
 CATALOG NUMBER: MSA-SA3B-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: P367821

CATALOG NUMBER: MSA-SA3B-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8
2.5°	1490.8	1489.7	1488.6	1487.5	1486.4	1466.3	1446.8	1426.8	1407.3	1431.8	1456.3
5°	1809.8	1838.8	1867.7	1897.2	1926.2	1934.5	1942.9	1951.2	1959.6	1977.4	1995.2
7.5°	1927.3	1976.3	2024.7	2073.7	2122.1	2167.2	2211.7	2256.8	2301.9	2290.8	2279.7
10°	1886.6	1975.1	2063.7	2152.7	2241.2	2260.7	2280.2	2300.3	2319.7	2370.4	2421.1
12.5°	1842.7	1949.0	2055.3	2161.6	2268.0	2327.0	2385.4	2444.4	2503.4	2554.7	2605.9
15°	2051.4	2119.3	2187.2	2255.7	2323.6	2375.4	2426.6	2478.4	2529.6	2565.2	2600.3
17.5°	2325.9	2359.3	2392.7	2426.6	2460.0	2500.7	2541.3	2581.9	2622.6	2643.7	2664.9
20°	2615.9	2630.4	2644.8	2659.3	2673.8	2641.5	2609.2	2576.9	2544.6	2564.7	2584.2
22.5°	2907.1	2912.1	2917.6	2922.6	2927.6	2852.5	2777.3	2702.2	2627.0	2595.3	2563.6
25°	3355.2	3318.4	3281.7	3245.0	3208.2	3119.2	3030.1	2941.0	2851.9	2773.4	2695.0
27.5°	3840.6	3715.9	3591.8	3467.1	3342.9	3253.9	3164.8	3075.7	2986.7	2868.6	2750.6
30°	4330.0	4129.0	3928.6	3727.6	3527.2	3421.4	3315.7	3209.3	3103.6	2985.5	2868.1
32.5°	4778.7	4537.0	4295.4	4053.3	3811.7	3633.5	3455.4	3277.3	3099.1	3016.7	2934.3
35°	5150.5	4864.9	4579.4	4293.2	4007.6	3831.2	3654.7	3478.2	3301.7	3179.3	3057.4
37.5°	5786.3	5465.1	5143.8	4822.6	4501.4	4260.4	4019.9	3778.8	3537.8	3455.9	3374.1
40°	6372.5	5967.7	5563.0	5158.3	4753.6	4551.5	4350.0	4147.9	3946.4	3812.2	3678.6
42.5°	6838.4	6412.0	5986.1	5559.7	5133.3	4933.4	4734.1	4534.3	4334.4	4244.8	4155.7
45°	6939.2	6537.2	6135.9	5733.9	5332.0	5215.7	5099.9	4983.5	4867.7	4805.9	4744.7
47.5°	7137.9	6702.0	6266.7	5830.8	5394.9	5342.6	5290.3	5237.4	5185.0	5214.5	5244.0
50°	7249.3	6804.5	6359.7	5914.9	5470.1	5485.1	5499.6	5514.6	5529.6	5738.9	5947.7
52.5°	7465.3	7016.0	6566.7	6117.5	5668.2	5762.9	5857.0	5951.6	6045.7	6334.1	6621.9
55°	7851.0	7409.6	6968.1	6526.1	6084.7	6209.4	6334.1	6459.3	6584.0	6890.2	7195.8
57.5°	8422.8	7984.6	7547.1	7109.0	6671.4	6795.6	6919.7	7043.8	7168.0	7444.7	7720.8
60°	9142.6	8692.8	8243.5	7793.7	7344.4	7391.2	7437.4	7484.2	7530.9	7828.2	8124.9
62.5°	9703.2	9289.5	8876.5	8462.8	8049.8	7998.0	7946.8	7895.0	7843.8	8069.8	8295.3
65°	9833.4	9542.3	9251.7	8960.5	8669.4	8510.2	8351.5	8192.3	8033.1	8124.4	8215.7
67.5°	9460.4	9263.9	9068.0	8871.5	8674.9	8342.6	8010.3	7677.4	7345.0	7296.6	7248.1
70°	8594.8	8487.3	8380.5	8273.0	8166.1	7654.0	7142.4	6630.2	6118.6	5995.6	5872.6
72.5°	6782.2	6849.0	6915.8	6983.2	7050.0	6501.6	5953.8	5405.5	4857.1	4701.3	4546.0
75°	4782.5	5009.1	5235.7	5462.3	5688.8	5188.9	4689.6	4189.7	3689.8	3540.0	3390.8
77.5°	2593.1	3017.8	3442.6	3867.3	4292.1	3879.6	3467.6	3055.1	2642.6	2538.5	2435.0
80°	1229.2	1474.1	1718.5	1963.5	2208.4	2115.4	2022.5	1928.9	1836.0	1858.8	1881.6
82.5°	376.9	553.9	730.9	908.0	1085.0	1098.9	1112.3	1126.2	1140.1	1174.6	1208.6
85°	126.4	173.1	219.9	266.7	313.4	395.8	478.2	561.1	643.5	590.1	537.2
87.5°	0.0	1.7	2.8	4.5	5.6	17.3	28.9	40.6	52.3	45.1	38.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367821  
 CATALOG NUMBER: MSA-SA3B-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: P367821

CATALOG NUMBER: MSA-SA3B-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°	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8
2.5°	1481.4	1505.9	1506.4	1507.5	1508.1	1508.6	1511.4	1514.2	1517.5	1520.3	1502.0
5°	2013.6	2031.4	1998.5	1965.7	1932.3	1899.4	1928.9	1958.4	1988.0	2017.5	2004.7
7.5°	2268.0	2256.8	2252.9	2249.6	2245.7	2242.4	2253.5	2264.6	2275.8	2286.9	2285.8
10°	2471.7	2522.4	2534.6	2546.9	2559.7	2571.9	2546.3	2520.7	2495.1	2469.5	2458.9
12.5°	2657.1	2708.3	2748.9	2789.6	2830.8	2871.4	2834.7	2798.5	2761.8	2725.6	2691.1
15°	2635.9	2671.0	2704.4	2737.8	2771.2	2804.6	2792.4	2780.7	2768.4	2756.2	2750.6
17.5°	2686.6	2707.8	2700.0	2692.2	2683.8	2676.0	2672.1	2668.8	2664.9	2661.0	2647.6
20°	2604.2	2624.3	2619.2	2614.8	2609.8	2604.8	2601.4	2598.1	2594.7	2591.4	2580.8
22.5°	2531.8	2500.1	2491.8	2484.0	2475.6	2467.8	2468.9	2470.0	2470.6	2471.7	2519.6
25°	2616.5	2538.0	2507.3	2476.7	2445.6	2414.9	2428.9	2442.2	2456.1	2470.0	2539.1
27.5°	2632.0	2514.0	2465.0	2416.0	2367.1	2318.1	2368.2	2418.3	2468.4	2518.5	2630.4
30°	2750.1	2632.6	2564.1	2496.2	2427.7	2359.8	2423.8	2487.9	2551.9	2615.9	2737.3
32.5°	2851.4	2769.0	2720.0	2671.0	2622.0	2573.0	2575.8	2578.0	2580.8	2583.6	2754.5
35°	2934.9	2813.0	2768.4	2724.5	2679.9	2635.9	2702.2	2768.4	2834.7	2900.9	3054.6
37.5°	3292.3	3210.4	3128.6	3047.3	2965.5	2884.2	2937.1	2990.0	3043.4	3096.3	3266.1
40°	3544.5	3410.9	3389.7	3369.1	3348.0	3327.4	3354.6	3381.4	3408.6	3435.9	3584.5
42.5°	4066.1	3976.5	3919.1	3862.3	3805.0	3748.2	3769.9	3791.6	3813.9	3835.6	3976.5
45°	4682.9	4621.1	4583.3	4545.4	4507.0	4469.1	4436.3	4404.0	4371.2	4338.9	4481.9
47.5°	5273.6	5303.1	5386.6	5469.5	5553.0	5636.0	5568.0	5500.1	5431.7	5363.7	5364.3
50°	6157.0	6365.8	6408.1	6449.8	6492.2	6533.9	6389.2	6244.4	6099.1	5954.4	5937.1
52.5°	6910.2	7198.0	7213.1	7228.1	7243.7	7258.7	7200.3	7141.8	7082.8	7024.4	6869.0
55°	7502.0	7807.6	7828.2	7848.3	7868.9	7888.9	7837.7	7787.0	7735.8	7684.6	7527.6
57.5°	7997.4	8273.6	8285.8	8297.5	8309.8	8322.0	8325.9	8329.8	8334.2	8338.1	8126.0
60°	8422.2	8719.5	8695.0	8671.0	8646.6	8622.6	8585.9	8549.1	8512.4	8475.6	8338.7
62.5°	8521.3	8747.3	8709.5	8672.2	8634.3	8597.0	8565.8	8535.2	8504.0	8472.9	8385.5
65°	8307.0	8398.3	8359.3	8320.3	8280.8	8241.8	8221.8	8202.3	8182.3	8162.2	8151.1
67.5°	7199.2	7150.7	7196.9	7243.1	7289.3	7335.5	7398.4	7461.4	7524.8	7587.7	7551.0
70°	5749.0	5625.9	5677.2	5727.8	5779.0	5829.7	5924.9	6020.1	6115.8	6211.0	6185.4
72.5°	4390.1	4234.2	4241.4	4248.7	4256.5	4263.7	4260.9	4258.7	4255.9	4253.1	4297.7
75°	3241.1	3091.3	3020.6	2949.9	2879.2	2808.5	2791.3	2774.0	2756.7	2739.5	2822.4
77.5°	2330.9	2227.3	2178.9	2131.0	2082.6	2034.7	2059.2	2083.7	2108.8	2133.2	2162.2
80°	1905.0	1927.8	1890.5	1853.8	1816.5	1779.2	1807.0	1834.3	1862.1	1890.0	1803.7
82.5°	1243.1	1277.1	1162.4	1047.7	933.0	818.3	887.9	957.5	1027.7	1097.2	1061.6
85°	483.8	430.9	367.4	304.5	241.0	177.6	231.0	284.5	337.9	391.4	427.0
87.5°	31.2	24.5	19.5	14.5	8.9	3.9	8.4	12.8	17.8	22.3	37.3
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: P367821  
 CATALOG NUMBER: MSA-SA3B-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: P367821

CATALOG NUMBER: MSA-SA3B-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8	1176.8
2.5°	1484.1	1465.8	1448.0	1412.9	1377.8	1342.7	1307.7	1356.7	1405.6	1454.6	1503.6
5°	1992.4	1979.6	1967.4	1970.7	1974.0	1977.9	1981.3	1988.5	1995.7	2002.4	2009.7
7.5°	2285.2	2284.1	2283.0	2257.4	2231.8	2205.6	2180.0	2192.8	2205.6	2218.4	2231.2
10°	2448.9	2438.3	2427.7	2371.5	2315.3	2258.5	2202.3	2177.8	2152.7	2128.2	2103.7
12.5°	2656.5	2621.5	2587.0	2526.8	2467.3	2407.1	2347.0	2324.7	2301.9	2279.7	2256.8
15°	2745.6	2740.0	2735.0	2692.2	2648.7	2605.9	2562.5	2486.2	2409.4	2333.1	2256.8
17.5°	2634.3	2620.4	2607.0	2674.9	2742.3	2810.2	2878.1	2799.1	2720.0	2641.0	2561.9
20°	2570.3	2559.7	2549.1	2675.5	2801.3	2927.6	3053.5	3018.4	2982.8	2947.7	2912.6
22.5°	2567.5	2615.9	2663.8	2774.6	2884.8	2995.6	3105.8	3166.5	3227.7	3288.4	3349.1
25°	2608.1	2677.7	2746.7	2930.4	3114.1	3298.4	3482.1	3551.7	3620.7	3690.3	3759.3
27.5°	2741.7	2853.6	2964.9	3125.3	3285.6	3446.5	3606.8	3758.8	3911.3	4063.3	4215.3
30°	2858.1	2979.4	3100.8	3291.7	3482.1	3673.1	3863.4	4053.8	4244.2	4434.6	4625.0
32.5°	2925.4	3096.9	3267.8	3499.9	3731.5	3963.7	4195.8	4404.6	4613.3	4821.5	5030.3
35°	3208.2	3362.4	3516.1	3772.7	4029.3	4286.5	4543.2	4801.5	5059.8	5317.5	5575.8
37.5°	3435.9	3606.3	3776.0	4056.6	4336.6	4617.2	4897.8	5254.6	5612.0	5968.9	6325.7
40°	3733.2	3881.8	4030.5	4293.2	4555.4	4818.2	5080.9	5533.5	5986.1	6438.2	6890.7
42.5°	4116.7	4257.6	4398.4	4679.6	4960.7	5241.8	5523.0	6024.0	6525.0	7025.5	7526.5
45°	4625.0	4768.6	4911.7	5135.5	5359.3	5583.1	5806.9	6339.6	6871.8	7404.6	7936.8
47.5°	5364.8	5365.4	5366.0	5527.4	5688.8	5850.8	6012.3	6548.9	7085.0	7621.7	8157.8
50°	5919.9	5902.1	5884.8	5968.3	6051.3	6134.8	6218.3	6712.0	7206.4	7700.2	8194.0
52.5°	6714.3	6559.0	6404.2	6453.7	6502.7	6552.3	6601.3	7019.3	7438.0	7856.1	8274.1
55°	7371.2	7214.2	7057.2	7038.8	7020.5	7002.1	6983.7	7368.4	7753.1	8137.7	8522.4
57.5°	7914.5	7702.4	7490.9	7448.6	7406.8	7364.5	7322.2	7728.0	8133.3	8539.1	8944.4
60°	8202.3	8065.4	7928.4	7901.1	7873.3	7846.0	7818.2	8151.1	8484.0	8816.9	9149.8
62.5°	8298.6	8211.2	8124.4	8175.6	8226.8	8278.6	8329.8	8476.2	8622.1	8768.5	8914.3
65°	8140.5	8129.4	8118.3	8223.5	8328.1	8433.3	8538.6	8502.4	8465.6	8429.4	8393.3
67.5°	7514.8	7478.1	7441.9	7672.9	7903.4	8134.4	8365.4	8190.1	8014.2	7838.8	7663.4
70°	6159.8	6133.6	6108.0	6440.9	6773.8	7107.3	7440.2	7227.5	7014.9	6802.2	6589.6
72.5°	4341.6	4386.2	4430.7	4823.2	5215.1	5607.6	5999.5	5785.2	5570.8	5356.5	5142.2
75°	2904.8	2987.8	3070.7	3474.9	3879.0	4283.8	4687.9	4436.3	4184.7	3933.0	3681.4
77.5°	2191.1	2220.1	2249.0	2504.6	2760.1	3016.2	3271.7	3064.0	2855.8	2648.2	2440.0
80°	1717.4	1630.6	1544.3	1628.3	1712.4	1796.4	1880.5	1756.4	1632.2	1508.6	1384.5
82.5°	1026.0	990.4	954.7	1000.4	1045.5	1091.1	1136.8	1083.3	1029.3	975.9	921.9
85°	462.1	497.7	532.8	579.0	624.6	670.8	717.0	642.4	567.8	493.2	418.6
87.5°	51.8	66.8	81.8	101.3	120.8	140.3	159.8	124.7	89.1	54.0	18.9
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: P367821  
 CATALOG NUMBER: MSA-SA3B-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: P367821  
 CATALOG NUMBER: MSA-SA3B-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	1176.8	1176.8
2.5°	1532.0	1560.4
5°	2009.1	2008.0
7.5°	2197.8	2163.9
10°	2072.6	2041.4
12.5°	2177.2	2097.6
15°	2196.7	2136.6
17.5°	2463.9	2365.4
20°	2786.2	2659.3
22.5°	3175.4	3001.1
25°	3552.3	3345.2
27.5°	4091.1	3966.4
30°	4499.2	4372.8
32.5°	4944.5	4858.8
35°	5490.7	5404.9
37.5°	6348.0	6369.7
40°	6904.1	6917.5
42.5°	7578.3	7630.0
45°	7994.7	8052.6
47.5°	8238.5	8319.2
50°	8324.2	8454.5
52.5°	8435.0	8595.3
55°	8701.1	8879.8
57.5°	9086.9	9229.4
60°	9156.5	9163.2
62.5°	8811.3	8708.3
65°	8283.6	8173.9
67.5°	7597.2	7530.4
70°	6501.6	6413.7
72.5°	4978.5	4814.8
75°	3478.8	3276.1
77.5°	2333.7	2227.3
80°	1387.8	1390.6
82.5°	947.5	972.5
85°	413.6	408.1
87.5°	13.4	7.2
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



REPORT NUMBER: P367821  
CATALOG NUMBER: MSA-SA3B-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)