

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: P368041

Luminaire Tested: **MSA-SA3C-830-U-SLR-HSS**

Issue Date: 12/2/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P368041  
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-SA3C-830-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: 10553 lumens  
Efficiency: N/A  
Efficacy: 63.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G2

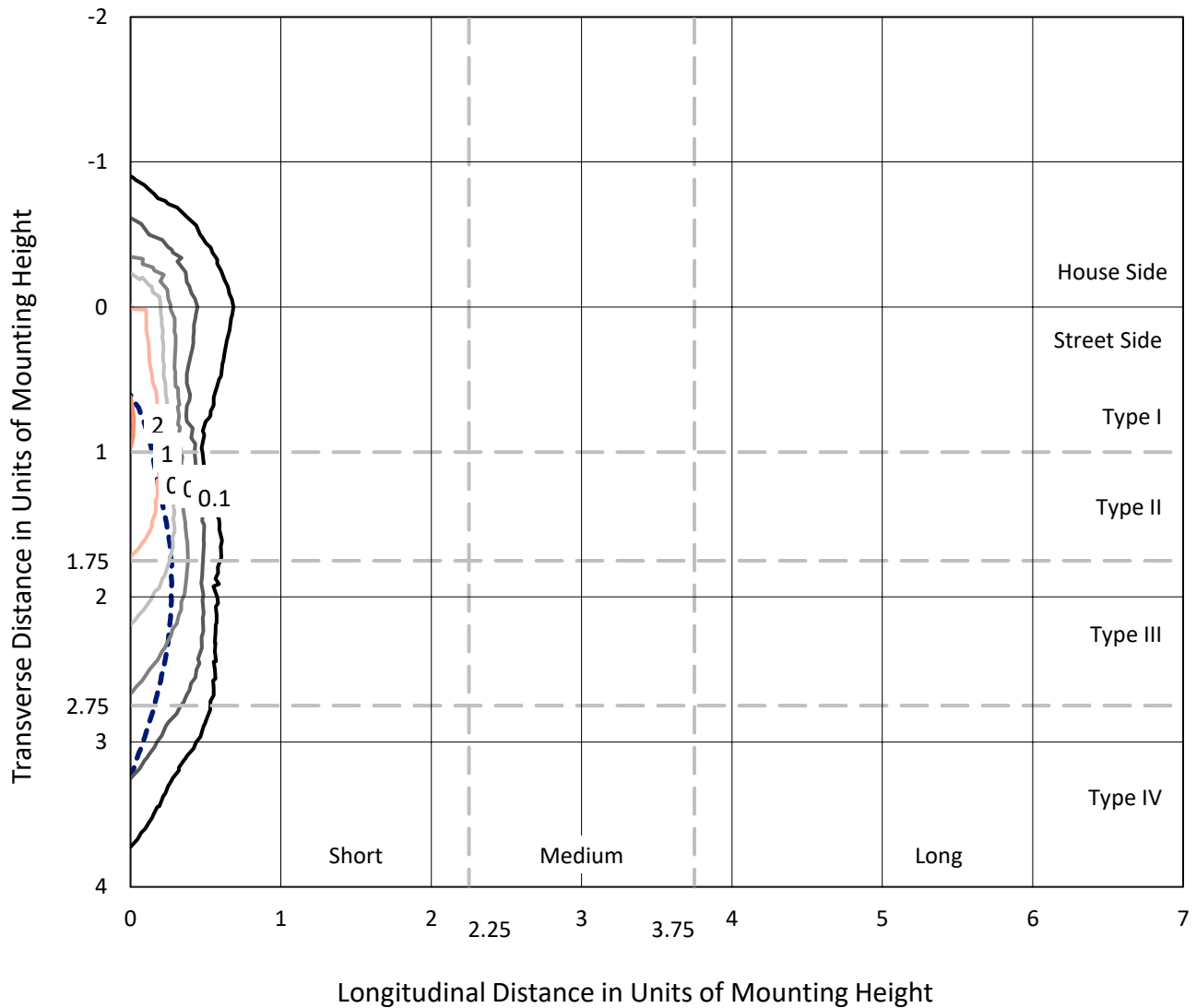
Input Watts (W): 166  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P368041  
 CATALOG NUMBER: MSA-SA3C-830-U-SLR-HSS

### Iso-Footcandle Lines of Horizontal Illumination

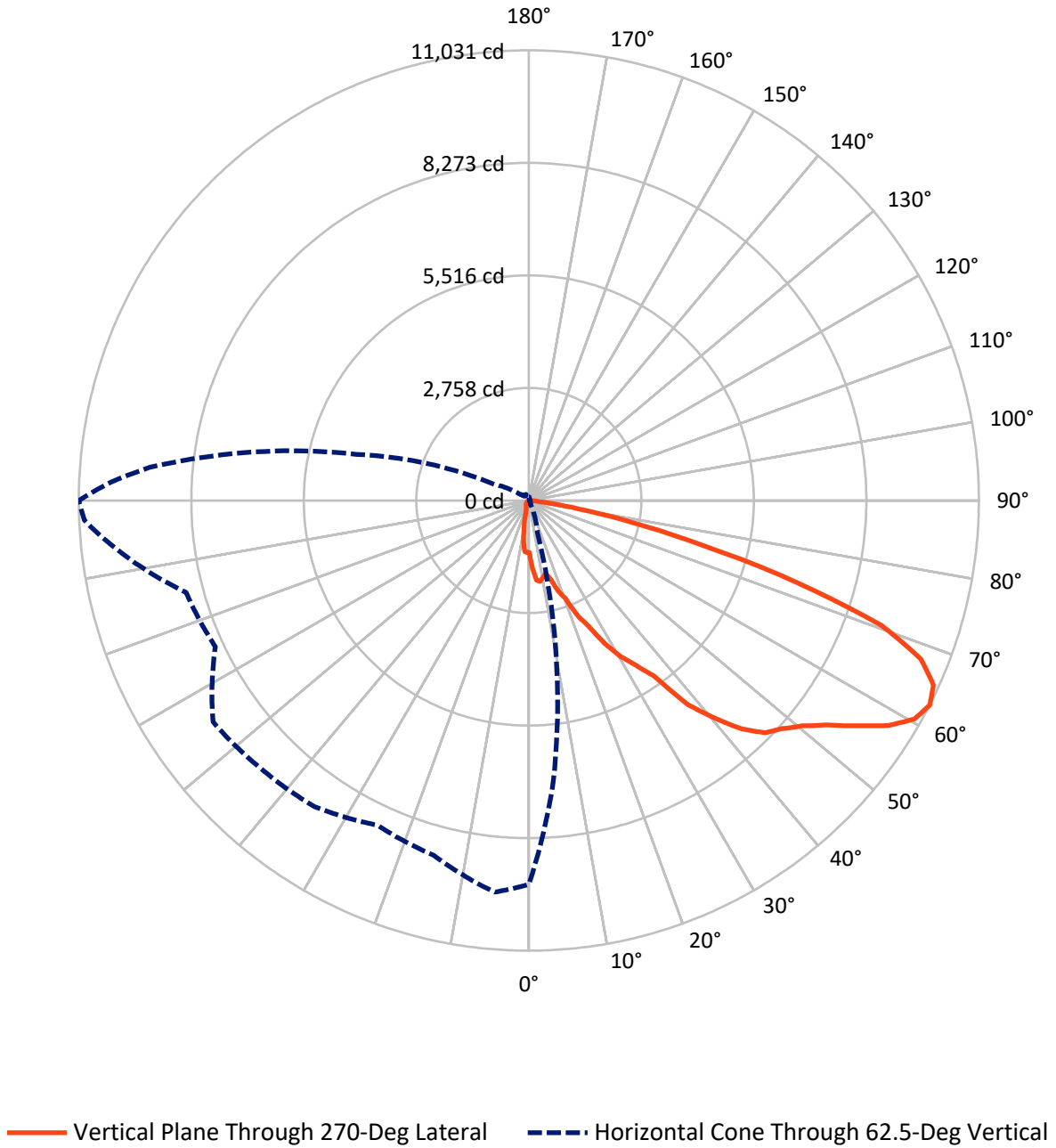
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc  
 Type IV - Short - N/A

REPORT NUMBER: P368041  
CATALOG NUMBER: MSA-SA3C-830-U-SLR-HSS

### Luminous Intensity Polar Plot



REPORT NUMBER: P368041  
 CATALOG NUMBER: MSA-SA3C-830-U-SLR-HSS

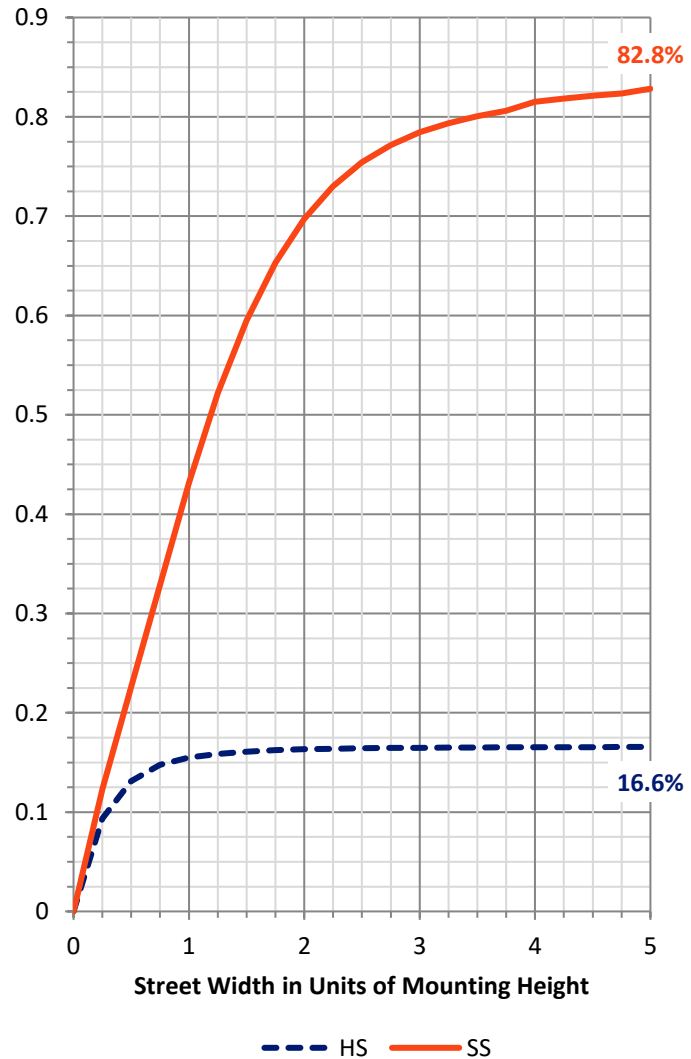
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1762.2	0.0	1762.2
	% Fixture	16.7	0.0	16.7
<b>Street Side</b>	Lumens	8790.8	0.0	8790.8
	% Fixture	83.3	0.0	83.3
<b>Total</b>	Lumens	10553.0	0.0	10553.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.1	1.3
10°-20°	371.2	3.5
20°-30°	599.9	5.7
30°-40°	1004.7	9.5
40°-50°	1642.5	15.6
50°-60°	2431.5	23.0
60°-70°	2791.4	26.5
70°-80°	1380.2	13.1
80°-90°	189.6	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°	10553.0	100.0
0°-180°	10553.0	100.0

**Coefficient of Utilization**



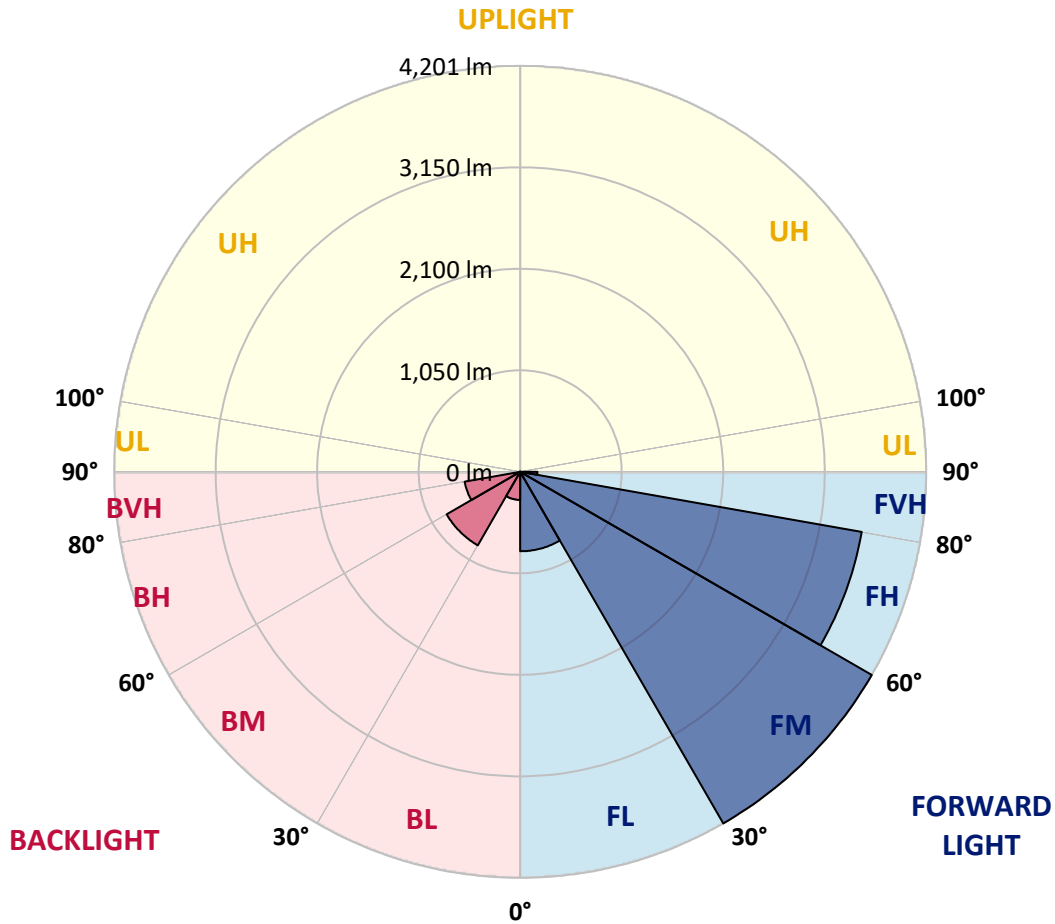
REPORT NUMBER: P368041  
 CATALOG NUMBER: MSA-SA3C-830-U-SLR-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	822.2	7.8			
FM (30°-60°)	4200.6	39.8			
FH (60°-80°)	3588.5	34.0			G2/5000
FVH (80°-90°)	179.5	1.7			G2/225
BL (0°-30°)	291.0	2.8	B1/500		
BM (30°-60°)	878.1	8.3	B1/1000		
BH (60°-80°)	583.0	5.5	B2/1000		G2/1000
BVH (80°-90°)	10.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type IV Short





REPORT NUMBER: P368041

CATALOG NUMBER: MSA-SA3C-830-U-SLR-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7
2.5°	1686.2	1707.2	1727.7	1688.6	1649.5	1610.4	1571.3	1536.4	1501.5	1466.0	1431.1
5°	2169.8	2131.3	2092.8	2039.9	1986.9	1934.0	1881.1	1856.4	1831.7	1807.1	1782.4
7.5°	2338.2	2269.7	2200.5	2153.6	2107.2	2060.3	2013.4	1939.4	1864.8	1790.8	1716.2
10°	2205.9	2133.1	2059.7	2018.8	1977.9	1937.0	1896.1	1804.1	1711.4	1619.4	1526.7
12.5°	2266.7	2187.9	2109.0	2024.8	1940.6	1856.4	1772.2	1701.8	1630.8	1560.4	1489.4
15°	2308.8	2218.5	2127.7	2031.4	1935.2	1839.0	1742.7	1659.7	1577.3	1494.3	1411.2
17.5°	2556.0	2426.7	2297.3	2149.4	2001.4	1853.4	1705.4	1609.2	1513.5	1417.3	1321.0
20°	2873.6	2690.2	2506.1	2305.8	2105.4	1905.1	1704.8	1585.1	1465.4	1345.7	1226.0
22.5°	3243.0	3013.8	2784.0	2536.8	2290.1	2042.9	1795.6	1623.6	1451.6	1279.5	1107.5
25°	3614.7	3407.8	3200.9	2868.2	2535.6	2202.3	1869.6	1651.3	1432.3	1213.9	995.0
27.5°	4286.1	3916.1	3546.2	3122.7	2699.8	2276.3	1852.8	1602.5	1352.3	1101.4	851.2
30°	4725.2	4440.7	4155.5	3596.1	3037.2	2477.8	1918.4	1601.3	1284.3	966.7	649.7
32.5°	5250.4	4834.1	4417.2	3810.2	3203.3	2596.3	1989.3	1617.0	1244.0	871.7	498.7
35°	5840.5	5387.5	4934.6	4165.8	3397.0	2627.6	1858.8	1497.9	1136.9	776.0	415.1
37.5°	6883.0	6125.0	5367.1	4470.8	3573.8	2677.5	1780.6	1420.3	1059.3	699.0	338.1
40°	7474.9	6751.2	6027.6	4907.5	3787.4	2667.3	1547.2	1227.2	907.7	587.7	267.7
42.5°	8244.9	7326.9	6408.4	5156.5	3904.7	2652.9	1401.0	1105.1	809.1	512.5	216.6
45°	8701.5	7661.4	6621.3	5264.8	3908.3	2551.8	1195.3	939.0	682.8	426.5	170.2
47.5°	8989.6	7946.5	6903.4	5447.1	3991.3	2535.0	1078.6	842.8	607.0	371.2	135.3
50°	9135.8	8089.7	7043.0	5546.3	4049.7	2552.4	1055.7	821.1	585.9	351.3	116.1
52.5°	9288.0	8279.2	7269.8	5718.4	4167.0	2615.6	1064.1	824.7	585.9	346.5	107.1
55°	9595.4	8600.4	7604.9	5965.0	4325.2	2685.3	1045.5	809.7	573.9	337.5	101.7
57.5°	9973.2	8909.6	7845.5	6145.5	4445.5	2745.5	1045.5	808.5	571.5	333.9	96.9
60°	9901.6	8747.2	7592.2	5942.8	4293.3	2643.2	993.8	768.2	543.2	317.6	92.0
62.5°	9410.1	8157.1	6903.4	5379.1	3854.2	2329.8	804.9	625.0	445.2	264.7	84.8
65°	8832.6	7502.6	6171.9	4769.1	3365.7	1962.9	559.4	439.1	318.2	197.9	77.0
67.5°	8137.2	6718.8	5300.3	4052.7	2805.6	1558.0	310.4	250.2	190.1	129.3	69.2
70°	6930.5	5466.3	4001.5	3042.7	2084.4	1125.5	166.6	140.8	114.9	89.0	63.2
72.5°	5202.8	3861.4	2519.9	1914.1	1309.0	703.2	97.5	87.8	77.6	68.0	57.7
75°	3540.1	2535.0	1529.8	1164.6	800.1	434.9	69.8	65.0	59.6	54.7	49.3
77.5°	2406.8	1740.9	1075.0	820.5	566.1	311.6	57.1	54.1	51.1	47.5	44.5
80°	1502.7	1028.7	554.6	427.1	299.0	171.4	43.3	41.5	39.7	37.3	35.5
82.5°	1050.9	628.6	206.3	161.2	116.1	70.4	25.3	25.9	26.5	26.5	27.1
85°	440.9	238.2	35.5	30.1	24.7	19.2	13.8	15.0	16.8	18.0	19.2
87.5°	7.8	4.2	0.0	1.2	3.0	4.2	5.4	7.2	8.4	10.2	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



REPORT NUMBER: P368041  
 CATALOG NUMBER: MSA-SA3C-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

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





REPORT NUMBER: P368041

CATALOG NUMBER: MSA-SA3C-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7
2.5°	1440.1	1449.1	1457.6	1466.6	1459.4	1452.8	1445.5	1438.3	1427.5	1417.3	1406.4
5°	1752.3	1722.3	1692.2	1662.1	1616.4	1570.7	1524.3	1478.6	1473.2	1467.8	1461.8
7.5°	1645.9	1575.5	1504.5	1434.1	1367.9	1301.8	1235.6	1169.4	1149.0	1129.1	1108.7
10°	1472.6	1418.5	1363.7	1309.6	1262.1	1213.9	1166.4	1118.3	1068.4	1018.4	967.9
12.5°	1432.9	1376.4	1319.2	1262.7	1219.4	1176.0	1132.7	1089.4	1033.5	977.5	921.6
15°	1349.9	1288.5	1227.2	1165.8	1108.1	1050.3	992.0	934.2	866.8	799.5	732.1
17.5°	1248.2	1176.0	1103.3	1030.5	954.7	878.9	803.1	727.3	649.7	572.7	495.1
20°	1127.3	1028.7	929.4	830.7	736.9	643.1	548.6	454.8	406.0	357.9	309.2
22.5°	979.9	851.8	724.3	596.1	519.1	441.5	364.5	286.9	265.9	244.8	223.8
25°	850.0	705.0	560.0	415.1	366.3	317.6	268.9	220.2	210.5	200.3	190.7
27.5°	714.6	578.7	442.1	305.6	277.9	249.6	222.0	193.7	187.1	181.1	174.5
30°	548.0	446.4	344.1	242.4	224.4	206.3	187.7	169.6	166.6	163.0	160.0
32.5°	424.7	350.1	276.1	201.5	191.3	181.1	170.8	160.6	155.8	151.0	145.6
35°	354.9	295.4	235.2	175.1	167.8	160.0	152.8	145.0	140.2	134.7	129.9
37.5°	294.2	250.8	206.9	163.0	155.2	147.4	139.0	131.1	127.5	123.9	120.3
40°	242.4	217.2	191.9	166.6	155.2	143.8	132.3	120.9	117.9	114.9	111.9
42.5°	200.3	184.1	167.2	151.0	142.6	134.7	126.3	117.9	113.7	108.9	104.7
45°	161.8	152.8	144.4	135.3	136.0	136.6	136.6	137.2	126.3	114.9	104.1
47.5°	131.1	126.9	122.1	117.9	122.7	127.5	131.7	136.6	125.1	113.7	101.7
50°	112.5	109.5	105.9	102.3	107.1	112.5	117.3	122.1	117.3	113.1	108.3
52.5°	102.9	98.7	94.4	90.2	92.0	94.4	96.2	98.1	98.1	98.1	98.1
55°	96.9	92.6	87.8	83.0	81.2	78.8	77.0	74.6	71.6	69.2	66.2
57.5°	92.0	87.2	81.8	77.0	74.0	70.4	67.4	63.8	60.8	57.1	54.1
60°	87.2	82.4	77.0	72.2	69.2	66.2	62.6	59.6	55.9	52.9	49.3
62.5°	80.6	76.4	72.2	68.0	65.0	62.6	59.6	56.5	52.9	49.3	45.1
65°	73.4	70.4	66.8	63.2	60.2	57.1	54.1	51.1	47.5	44.5	40.9
67.5°	66.8	63.8	61.4	58.4	54.7	51.7	48.1	44.5	42.1	39.7	36.7
70°	61.4	59.0	57.1	54.7	51.1	48.1	44.5	40.9	39.1	36.7	34.9
72.5°	55.9	54.1	51.7	49.9	46.9	43.9	40.9	37.9	36.1	34.3	32.5
75°	48.1	46.9	45.7	44.5	41.5	38.5	34.9	31.9	31.3	30.7	30.1
77.5°	43.3	42.7	41.5	40.3	37.3	34.3	31.3	28.3	28.9	29.5	29.5
80°	35.5	35.5	34.9	34.9	32.5	30.1	27.1	24.7	25.9	27.7	28.9
82.5°	27.1	27.1	27.1	27.1	24.7	22.3	19.9	17.4	19.2	20.5	22.3
85°	18.6	18.0	17.4	16.8	15.0	13.8	12.0	10.2	12.6	14.4	16.8
87.5°	11.4	12.0	12.0	12.0	10.8	9.0	7.8	6.0	7.2	7.8	9.0
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: P368041  
 CATALOG NUMBER: MSA-SA3C-830-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: P368041  
 CATALOG NUMBER: MSA-SA3C-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7
2.5°	1395.6	1377.6	1359.5	1340.9	1322.8	1280.7	1238.6	1196.5	1154.4	1185.7	1216.3
5°	1456.4	1421.5	1386.0	1351.1	1315.6	1300.0	1284.9	1269.3	1253.6	1256.0	1259.1
7.5°	1088.2	1065.4	1042.5	1019.0	996.2	991.4	987.2	982.3	977.5	987.8	997.4
10°	918.0	886.1	853.6	821.7	789.2	771.8	754.3	736.9	719.5	717.7	715.2
12.5°	865.6	816.9	768.8	720.1	671.3	633.4	595.5	557.6	519.7	522.8	525.8
15°	664.7	616.0	567.9	519.1	470.4	439.7	408.5	377.8	346.5	337.5	328.4
17.5°	417.5	381.4	345.3	308.6	272.5	262.3	252.7	242.4	232.2	229.2	226.2
20°	260.5	244.8	229.2	213.0	197.3	194.9	192.5	190.1	187.7	189.5	191.3
22.5°	202.7	196.1	188.9	182.3	175.1	172.6	170.2	167.8	165.4	167.2	168.4
25°	180.5	175.7	170.8	166.0	161.2	158.8	155.8	153.4	150.4	151.6	153.4
27.5°	167.8	163.6	159.4	155.2	151.0	146.8	143.2	139.0	134.7	137.2	139.0
30°	156.4	151.6	147.4	142.6	137.8	133.5	129.3	124.5	120.3	122.7	125.1
32.5°	140.8	136.6	131.7	127.5	122.7	120.3	117.9	114.9	112.5	114.3	115.5
35°	124.5	120.9	117.9	114.3	110.7	108.3	106.5	104.1	101.7	102.3	103.5
37.5°	116.7	112.5	108.3	104.1	99.9	98.7	97.5	95.6	94.4	94.4	94.4
40°	108.9	104.7	100.5	95.6	91.4	89.6	87.8	86.0	84.2	84.2	84.2
42.5°	99.9	95.6	91.4	87.2	83.0	81.2	78.8	77.0	74.6	74.6	74.6
45°	92.6	88.4	84.8	80.6	76.4	73.4	70.4	66.8	63.8	63.2	62.6
47.5°	90.2	84.2	78.2	72.2	66.2	63.2	60.2	56.5	53.5	52.9	52.3
50°	103.5	91.4	79.4	67.4	55.3	52.9	50.5	48.1	45.7	44.5	43.9
52.5°	98.1	85.4	72.8	60.2	47.5	45.7	43.9	42.1	40.3	39.1	37.9
55°	63.2	57.7	52.9	47.5	42.1	40.9	39.7	37.9	36.7	35.5	34.3
57.5°	50.5	47.5	45.1	42.1	39.1	37.9	36.7	34.9	33.7	31.9	30.7
60°	45.7	43.3	40.9	38.5	36.1	34.9	33.7	32.5	31.3	29.5	28.3
62.5°	41.5	39.7	37.9	36.1	34.3	33.1	31.9	30.7	29.5	27.7	25.9
65°	37.3	36.1	34.9	33.7	32.5	31.3	30.1	28.3	27.1	25.3	23.5
67.5°	34.3	33.7	33.1	32.5	31.9	30.7	28.9	27.7	25.9	24.1	21.7
70°	32.5	32.5	32.5	31.9	31.9	30.7	28.9	27.7	25.9	23.5	21.7
72.5°	30.7	31.3	31.9	31.9	32.5	30.7	28.9	27.1	25.3	22.9	21.1
75°	29.5	30.1	30.7	30.7	31.3	30.1	28.9	27.1	25.9	23.5	21.1
77.5°	30.1	30.7	30.7	31.3	31.3	30.1	28.9	27.1	25.9	22.9	19.9
80°	30.1	29.5	28.9	27.7	27.1	24.7	22.3	19.2	16.8	13.2	10.2
82.5°	23.5	22.3	21.7	20.5	19.2	16.8	14.4	12.0	9.6	7.2	4.8
85°	18.6	17.4	16.8	15.6	14.4	12.6	10.2	8.4	6.0	4.8	3.0
87.5°	9.6	9.0	7.8	7.2	6.0	4.8	3.0	1.8	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: P368041  
 CATALOG NUMBER: MSA-SA3C-830-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: P368041  
 CATALOG NUMBER: MSA-SA3C-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7
2.5°	1247.6	1278.3	1274.1	1269.9	1289.7	1309.6	1295.1	1281.3	1266.9	1252.4	1222.4
5°	1261.5	1263.9	1259.7	1254.8	1255.4	1256.0	1246.4	1236.8	1227.2	1217.5	1215.7
7.5°	1007.6	1017.2	1030.5	1043.1	1043.7	1043.7	1036.5	1029.3	1021.4	1014.2	1017.8
10°	713.4	711.0	714.6	718.3	717.7	716.5	735.7	755.0	773.6	792.8	779.0
12.5°	528.2	531.2	516.1	501.1	506.5	511.3	514.3	517.3	520.3	523.4	531.8
15°	319.4	310.4	299.6	288.7	294.2	299.0	304.4	309.2	314.6	319.4	324.8
17.5°	222.6	219.6	214.8	209.3	209.9	210.5	211.1	211.7	211.7	212.3	213.6
20°	193.1	194.9	191.3	187.1	185.9	184.1	182.9	181.7	179.9	178.7	176.9
22.5°	170.2	171.4	172.0	172.0	169.6	166.6	164.2	162.4	160.0	157.6	156.4
25°	154.6	155.8	154.6	152.8	151.6	150.4	149.2	147.4	146.2	144.4	143.8
27.5°	141.4	143.2	143.2	142.6	141.4	139.6	136.6	134.1	131.1	128.1	128.7
30°	127.5	129.9	129.9	129.3	128.7	128.1	125.1	122.1	119.1	116.1	117.3
32.5°	117.3	118.5	117.9	117.3	117.3	116.7	114.3	112.5	110.1	107.7	107.7
35°	104.1	104.7	104.7	104.7	104.7	104.1	102.3	100.5	98.7	96.9	97.5
37.5°	94.4	94.4	96.2	97.5	96.2	95.0	93.8	92.0	90.8	89.0	89.0
40°	83.6	83.6	85.4	86.6	85.4	84.2	83.6	82.4	81.8	80.6	80.6
42.5°	74.0	74.0	75.8	77.0	77.0	76.4	75.2	74.0	72.8	71.6	72.2
45°	62.0	61.4	64.4	66.8	65.6	64.4	64.4	63.8	63.8	63.2	63.8
47.5°	51.1	50.5	52.9	55.3	54.7	53.5	53.5	53.5	53.5	53.5	54.1
50°	42.7	41.5	43.9	45.7	45.1	43.9	43.9	44.5	44.5	44.5	45.1
52.5°	36.7	35.5	37.3	38.5	37.9	37.3	37.3	37.9	37.9	37.9	38.5
55°	32.5	31.3	33.1	34.3	33.7	32.5	33.1	33.1	33.7	33.7	33.7
57.5°	28.9	27.1	28.3	29.5	29.5	28.9	29.5	29.5	30.1	30.1	30.1
60°	26.5	24.7	25.9	26.5	26.5	25.9	26.5	26.5	27.1	27.1	27.1
62.5°	23.5	21.7	22.9	23.5	23.5	22.9	23.5	23.5	24.1	24.1	24.1
65°	21.1	19.2	19.9	20.5	20.5	20.5	21.1	21.1	21.7	21.7	21.7
67.5°	19.9	17.4	18.0	18.6	18.6	18.6	19.2	19.2	19.9	19.9	20.5
70°	19.2	16.8	17.4	17.4	18.0	18.0	18.0	18.6	18.6	18.6	18.6
72.5°	18.6	16.2	16.2	16.2	16.8	16.8	16.8	17.4	17.4	17.4	17.4
75°	18.6	16.2	15.6	15.0	15.6	15.6	15.6	16.2	16.2	16.2	16.2
77.5°	16.2	13.2	12.0	10.2	12.0	13.2	13.8	13.8	14.4	14.4	14.4
80°	6.6	3.0	1.8	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2
82.5°	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.8	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: P368041  
 CATALOG NUMBER: MSA-SA3C-830-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: P368041  
 CATALOG NUMBER: MSA-SA3C-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7
2.5°	1192.3	1162.2	1132.1	1146.6	1161.0	1175.4	1189.9	1188.7	1186.9	1185.7	1183.9
5°	1214.5	1212.7	1210.9	1202.5	1194.7	1186.3	1177.8	1176.0	1173.6	1171.8	1169.4
7.5°	1021.4	1024.4	1028.1	1018.4	1008.8	999.2	989.6	964.9	940.2	915.0	890.3
10°	765.2	750.7	736.9	735.7	734.5	733.3	732.1	729.7	727.3	724.3	721.9
12.5°	540.8	549.2	557.6	554.6	551.6	548.0	545.0	549.2	554.0	558.2	562.5
15°	329.7	335.1	339.9	350.7	361.5	372.4	383.2	387.4	392.2	396.4	400.6
17.5°	214.8	215.4	216.6	228.6	240.0	252.1	263.5	271.3	279.1	286.3	294.2
20°	175.1	173.2	171.4	178.1	184.7	191.3	197.9	205.1	212.3	219.6	226.8
22.5°	155.8	154.6	153.4	155.8	158.2	160.0	162.4	167.8	173.8	179.3	184.7
25°	143.2	142.0	141.4	142.6	143.8	145.0	146.2	149.2	152.2	155.2	158.2
27.5°	128.7	129.3	129.3	130.5	131.1	132.3	132.9	134.1	136.0	137.2	138.4
30°	117.9	119.1	119.7	120.9	121.5	122.7	123.3	122.7	122.1	121.5	120.9
32.5°	107.7	107.1	107.1	108.3	108.9	110.1	110.7	111.9	113.1	113.7	114.9
35°	97.5	98.1	98.1	98.1	98.7	98.7	98.7	99.9	101.7	102.9	104.1
37.5°	88.4	88.4	87.8	89.6	90.8	92.6	93.8	95.0	96.9	98.1	99.3
40°	80.6	80.6	80.6	81.8	83.0	83.6	84.8	87.8	90.8	93.8	96.9
42.5°	72.2	72.8	72.8	74.0	75.2	75.8	77.0	79.4	81.2	83.6	85.4
45°	64.4	65.0	65.6	66.8	67.4	68.6	69.2	70.4	71.0	72.2	72.8
47.5°	55.3	55.9	56.5	57.7	58.4	59.6	60.2	59.6	59.6	59.0	58.4
50°	46.3	46.9	47.5	49.3	50.5	52.3	53.5	52.3	51.1	49.3	48.1
52.5°	39.1	39.1	39.7	40.9	42.1	42.7	43.9	43.3	42.7	42.1	41.5
55°	33.7	33.7	33.7	34.3	34.9	35.5	36.1	36.7	36.7	37.3	37.3
57.5°	30.1	29.5	29.5	30.1	30.7	30.7	31.3	31.9	31.9	32.5	32.5
60°	27.1	26.5	26.5	27.1	27.7	28.3	28.9	28.9	28.9	28.3	28.3
62.5°	24.1	24.1	24.1	24.7	24.7	25.3	25.3	25.3	25.9	25.9	25.9
65°	22.3	22.3	22.3	22.3	22.3	21.7	21.7	22.3	22.3	22.9	22.9
67.5°	20.5	21.1	21.1	20.5	19.9	19.2	18.6	19.2	19.2	19.9	19.9
70°	18.6	18.6	18.6	18.0	17.4	16.8	16.2	16.2	16.2	15.6	15.6
72.5°	17.4	16.8	16.8	16.2	15.0	14.4	13.2	12.6	12.6	12.0	11.4
75°	16.2	15.6	15.6	14.4	13.2	12.0	10.8	10.2	9.0	8.4	7.2
77.5°	14.4	14.4	14.4	12.6	11.4	9.6	7.8	6.6	5.4	3.6	2.4
80°	4.8	5.4	6.0	5.4	5.4	4.8	4.2	3.0	2.4	1.2	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: P368041  
 CATALOG NUMBER: MSA-SA3C-830-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: P368041  
 CATALOG NUMBER: MSA-SA3C-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7
2.5°	1190.5	1197.1	1203.7	1210.3	1210.9	1211.5	1212.1	1212.7	1197.7	1182.1	1167.0
5°	1181.5	1194.1	1206.1	1218.1	1211.5	1204.9	1198.3	1191.7	1191.1	1191.1	1190.5
7.5°	892.1	893.3	895.1	896.3	898.7	901.1	902.9	905.3	915.0	924.6	933.6
10°	714.0	706.2	697.8	690.0	684.0	677.4	671.3	664.7	669.5	674.9	679.8
12.5°	555.8	549.2	542.0	535.4	533.0	530.6	527.6	525.2	540.8	556.4	571.5
15°	399.4	398.2	396.4	395.2	403.0	410.9	418.7	426.5	439.7	452.4	465.6
17.5°	297.2	300.2	303.2	306.2	311.0	315.8	320.0	324.8	334.5	344.7	354.3
20°	230.4	234.6	238.2	241.8	240.6	239.4	237.6	236.4	244.2	252.1	259.3
22.5°	188.3	191.3	194.9	197.9	198.5	199.1	199.7	200.3	205.1	209.3	214.2
25°	161.2	164.8	167.8	170.8	171.4	172.0	172.6	173.2	179.3	185.3	190.7
27.5°	142.6	146.2	150.4	154.0	155.2	156.4	157.6	158.8	162.4	165.4	169.0
30°	125.7	130.5	135.3	140.2	142.0	143.8	145.6	147.4	151.0	155.2	158.8
32.5°	117.3	120.3	122.7	125.1	129.3	132.9	137.2	140.8	145.0	149.8	154.0
35°	107.7	110.7	114.3	117.3	120.3	123.3	125.7	128.7	131.1	133.5	135.3
37.5°	101.7	104.7	107.1	109.5	110.7	111.9	112.5	113.7	114.9	116.1	116.7
40°	96.9	96.2	96.2	95.6	96.9	98.7	99.9	101.1	104.7	107.7	111.3
42.5°	84.2	82.4	81.2	79.4	82.4	84.8	87.8	90.2	95.0	99.9	104.7
45°	71.6	70.4	68.6	67.4	71.6	75.8	80.0	84.2	89.6	94.4	99.9
47.5°	59.0	59.6	59.6	60.2	64.4	68.6	72.2	76.4	81.8	87.2	92.6
50°	49.3	50.5	51.7	52.9	57.1	60.8	65.0	68.6	74.6	80.0	86.0
52.5°	43.3	45.1	46.3	48.1	51.7	55.9	59.6	63.2	68.6	74.0	79.4
55°	39.1	41.5	43.3	45.1	48.1	51.1	54.1	57.1	62.6	68.0	72.8
57.5°	34.3	36.1	37.9	39.7	42.7	45.7	48.1	51.1	55.9	61.4	66.2
60°	30.1	31.3	33.1	34.3	36.7	39.7	42.1	44.5	49.3	54.1	58.4
62.5°	26.5	27.7	28.3	28.9	31.3	33.7	36.1	38.5	42.7	47.5	51.7
65°	23.5	24.1	24.1	24.7	26.5	28.9	30.7	32.5	37.3	41.5	46.3
67.5°	19.9	20.5	20.5	20.5	22.3	24.1	25.9	27.7	31.9	36.7	40.9
70°	15.6	16.2	16.2	16.2	18.0	20.5	22.3	24.1	27.7	31.3	34.9
72.5°	12.0	12.0	12.6	12.6	14.4	16.8	18.6	20.5	23.5	26.5	29.5
75°	7.8	8.4	8.4	9.0	10.8	13.2	15.0	16.8	19.9	22.9	25.3
77.5°	3.0	4.2	4.8	5.4	7.2	9.0	10.8	12.6	15.0	18.0	20.5
80°	0.0	0.6	0.6	0.6	1.8	2.4	3.6	4.2	6.0	8.4	10.2
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: P368041  
 CATALOG NUMBER: MSA-SA3C-830-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: P368041  
 CATALOG NUMBER: MSA-SA3C-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7
2.5°	1151.4	1184.5	1217.5	1250.6	1283.7	1324.6	1365.5	1371.5	1377.6	1370.3	1363.7
5°	1189.9	1206.1	1221.8	1238.0	1253.6	1300.6	1346.9	1347.5	1347.5	1348.1	1348.1
7.5°	943.2	957.1	970.9	984.1	998.0	1028.7	1059.3	1070.8	1081.6	1079.2	1076.8
10°	684.6	702.6	720.1	738.1	755.6	783.8	812.1	822.9	833.2	866.2	899.9
12.5°	587.1	604.6	622.0	638.9	656.3	685.2	714.0	735.1	755.6	776.0	796.5
15°	478.2	492.1	506.5	520.3	534.2	547.4	560.6	586.5	611.8	632.2	652.7
17.5°	363.9	370.0	375.4	381.4	386.8	392.8	398.8	409.7	419.9	437.9	455.4
20°	267.1	271.9	276.7	280.9	285.7	291.8	297.8	305.6	312.8	317.0	320.6
22.5°	218.4	225.6	232.8	239.4	246.6	250.8	255.1	257.5	259.9	261.7	263.5
25°	196.7	203.3	209.3	216.0	222.0	223.8	225.6	230.4	235.2	235.2	235.2
27.5°	172.0	181.1	190.7	199.7	208.7	211.1	213.0	214.8	216.0	213.6	210.5
30°	162.4	171.4	180.5	188.9	197.9	201.5	204.5	206.3	208.1	205.1	202.1
32.5°	158.2	166.6	174.5	182.9	190.7	195.5	199.7	204.5	208.7	209.3	210.5
35°	137.8	143.2	149.2	154.6	160.0	162.4	164.8	166.6	167.8	167.8	167.8
37.5°	117.9	125.1	132.9	140.2	147.4	152.8	158.2	158.8	158.8	160.0	161.8
40°	114.3	121.5	128.7	135.3	142.6	148.6	154.0	154.6	155.2	156.4	157.6
42.5°	109.5	117.3	125.1	132.9	140.8	146.8	152.2	152.2	151.6	153.4	154.6
45°	104.7	112.5	119.7	127.5	134.7	142.6	149.8	148.0	145.6	148.6	151.0
47.5°	98.1	106.5	114.9	122.7	131.1	138.4	145.0	143.8	142.0	145.0	148.0
50°	91.4	99.9	108.3	116.7	125.1	132.9	140.2	139.0	137.8	141.4	144.4
52.5°	84.8	93.2	102.3	110.7	119.1	125.7	131.7	131.1	130.5	134.1	138.4
55°	78.2	86.0	94.4	102.3	110.1	117.3	123.9	122.7	121.5	124.5	127.5
57.5°	71.0	78.8	86.0	93.8	101.1	107.1	112.5	110.7	108.9	112.5	116.1
60°	63.2	70.4	77.6	84.2	91.4	96.2	100.5	99.3	97.5	101.1	104.7
62.5°	55.9	62.6	69.2	75.2	81.8	85.4	89.0	87.8	86.6	90.2	94.4
65°	50.5	55.9	60.8	66.2	71.0	74.6	78.2	76.4	74.6	78.8	82.4
67.5°	45.1	49.3	54.1	58.4	62.6	65.6	68.6	67.4	65.6	68.6	71.6
70°	38.5	42.7	46.9	50.5	54.7	57.7	60.8	59.0	56.5	59.6	62.6
72.5°	32.5	36.1	39.7	42.7	46.3	48.7	51.1	49.3	47.5	49.9	52.3
75°	28.3	31.3	34.3	36.7	39.7	40.9	42.1	41.5	40.3	42.7	44.5
77.5°	22.9	25.3	28.3	30.7	33.1	33.1	33.1	33.7	33.7	36.1	39.1
80°	12.0	14.4	16.8	18.6	21.1	21.1	20.5	21.7	22.3	25.3	28.3
82.5°	0.0	1.8	3.6	5.4	7.2	6.6	5.4	6.0	6.0	7.2	8.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2
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: P368041  
 CATALOG NUMBER: MSA-SA3C-830-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: P368041  
 CATALOG NUMBER: MSA-SA3C-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7
2.5°	1356.5	1349.3	1344.5	1340.3	1335.5	1330.6	1336.7	1342.7	1348.1	1354.1	1372.1
5°	1348.7	1348.7	1344.5	1340.3	1336.1	1331.8	1340.9	1349.3	1358.3	1366.7	1366.1
7.5°	1073.8	1071.4	1096.6	1121.3	1146.6	1171.2	1177.8	1184.5	1190.5	1197.1	1195.3
10°	933.0	966.1	976.9	987.8	998.6	1009.4	1022.6	1035.9	1049.1	1062.3	1067.2
12.5°	816.9	837.4	872.3	906.5	941.4	975.7	993.2	1011.2	1028.7	1046.1	1080.4
15°	673.1	693.6	723.7	753.7	783.8	813.9	841.6	869.8	897.5	925.2	966.7
17.5°	473.4	490.9	513.7	536.6	558.8	581.7	624.4	667.1	709.8	752.5	796.5
20°	324.8	328.4	339.3	350.7	361.5	372.4	410.9	450.0	488.5	527.0	584.7
22.5°	264.7	266.5	271.9	277.3	282.1	287.5	307.4	327.8	347.7	367.5	414.5
25°	234.6	234.6	238.2	241.8	245.4	249.0	259.9	270.7	280.9	291.8	321.8
27.5°	208.1	205.1	210.5	216.0	221.4	226.8	234.6	243.0	250.8	258.7	279.1
30°	199.1	196.1	202.7	209.3	216.0	222.6	230.4	238.2	245.4	253.3	267.1
32.5°	211.1	211.7	214.2	216.6	218.4	220.8	224.4	228.6	232.2	235.8	247.8
35°	167.8	167.8	172.0	176.3	179.9	184.1	190.7	197.3	203.9	210.5	223.2
37.5°	163.0	164.2	167.8	172.0	175.7	179.3	187.7	196.7	205.1	213.6	223.8
40°	158.2	159.4	164.2	169.0	173.8	178.7	187.1	194.9	203.3	211.1	220.8
42.5°	156.4	157.6	163.6	170.2	176.3	182.3	189.5	196.7	203.3	210.5	223.8
45°	154.0	156.4	163.6	171.4	178.7	185.9	192.5	199.1	205.7	212.3	228.6
47.5°	150.4	153.4	161.8	169.6	178.1	185.9	198.5	211.7	224.4	237.0	244.8
50°	148.0	151.0	160.0	169.0	178.1	187.1	207.5	228.0	247.8	268.3	264.1
52.5°	142.0	145.6	157.0	168.4	179.9	191.3	209.3	227.4	245.4	263.5	255.1
55°	130.5	133.5	146.8	160.0	172.6	185.9	199.1	212.3	225.0	238.2	228.6
57.5°	119.1	122.7	135.3	148.0	160.0	172.6	179.3	185.9	192.5	199.1	195.5
60°	108.3	111.9	128.7	145.6	162.4	179.3	173.2	167.2	160.6	154.6	158.8
62.5°	98.1	101.7	117.9	133.5	149.8	165.4	157.0	148.6	140.2	131.7	138.4
65°	86.6	90.2	96.2	102.9	108.9	114.9	114.3	113.1	112.5	111.3	118.5
67.5°	74.6	77.6	80.6	84.2	87.2	90.2	92.0	94.4	96.2	98.1	104.1
70°	65.0	68.0	71.6	74.6	78.2	81.2	82.4	83.6	84.2	85.4	90.8
72.5°	54.1	56.5	61.4	66.2	70.4	75.2	75.8	75.8	76.4	76.4	80.6
75°	46.9	48.7	52.3	55.9	59.0	62.6	64.4	66.2	67.4	69.2	71.6
77.5°	41.5	43.9	45.1	45.7	46.9	47.5	48.7	49.9	51.1	52.3	52.9
80°	30.7	33.7	34.9	35.5	36.7	37.3	37.3	36.7	36.7	36.1	36.7
82.5°	9.6	10.8	12.6	14.4	16.2	18.0	18.6	19.2	19.2	19.9	19.2
85°	1.8	2.4	3.6	4.8	5.4	6.6	6.0	4.8	4.2	3.0	2.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368041  
 CATALOG NUMBER: MSA-SA3C-830-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: P368041  
 CATALOG NUMBER: MSA-SA3C-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7
2.5°	1390.2	1407.6	1425.7	1418.5	1411.2	1404.0	1396.8	1398.0	1399.8	1401.0	1402.2
5°	1365.5	1364.3	1363.7	1384.2	1405.2	1425.7	1446.1	1468.4	1491.3	1513.5	1535.8
7.5°	1193.5	1191.1	1189.3	1215.7	1242.2	1268.7	1295.1	1325.8	1357.1	1387.8	1418.5
10°	1072.0	1076.8	1081.6	1092.4	1103.9	1114.7	1125.5	1155.0	1184.5	1213.3	1242.8
12.5°	1114.7	1148.4	1182.7	1189.3	1195.3	1201.9	1207.9	1212.1	1216.3	1220.6	1224.8
15°	1008.8	1050.3	1091.8	1109.3	1126.1	1143.6	1160.4	1204.9	1248.8	1293.3	1337.3
17.5°	840.4	883.7	927.6	979.9	1032.3	1084.6	1136.9	1185.1	1233.2	1281.3	1329.4
20°	643.1	700.8	758.6	824.7	891.5	957.7	1023.8	1072.0	1119.5	1167.6	1215.1
22.5°	462.0	508.9	555.8	635.8	715.2	795.3	874.7	958.3	1042.5	1126.1	1209.7
25°	351.9	381.4	411.5	490.3	569.1	647.3	726.1	841.0	955.9	1070.8	1185.7
27.5°	299.0	319.4	339.3	410.3	481.2	551.6	622.6	759.2	895.7	1032.3	1168.8
30°	281.5	295.4	309.2	369.4	430.1	490.3	550.4	688.8	827.1	965.5	1103.9
32.5°	259.9	271.3	283.3	336.3	389.2	441.5	494.5	629.8	765.2	899.9	1035.3
35°	235.2	247.8	259.9	312.8	365.7	418.1	471.0	611.2	751.3	891.5	1031.7
37.5°	233.4	243.6	253.3	314.6	376.6	437.9	499.3	639.5	779.6	919.2	1059.3
40°	231.0	240.6	250.2	312.8	374.8	437.3	499.3	646.1	792.8	939.6	1086.4
42.5°	237.0	249.6	262.9	318.2	373.6	428.3	483.6	638.2	792.8	946.8	1101.4
45°	245.4	261.7	277.9	328.4	379.0	429.5	480.0	647.9	815.7	982.9	1150.8
47.5°	253.3	261.1	268.9	317.0	364.5	412.7	460.2	631.6	803.1	974.5	1146.0
50°	260.5	256.3	252.1	305.0	357.9	410.3	463.2	626.8	789.8	953.5	1116.5
52.5°	246.0	237.6	228.6	285.1	341.7	397.6	454.2	619.0	783.8	948.7	1113.5
55°	219.0	209.3	199.7	255.7	311.0	366.9	422.3	586.5	750.7	915.0	1079.2
57.5°	191.3	187.7	183.5	226.2	268.9	311.0	353.7	536.0	718.9	901.1	1083.4
60°	163.0	166.6	170.8	201.5	232.2	262.3	293.0	471.6	649.7	828.3	1006.4
62.5°	144.4	151.0	157.0	182.9	209.3	235.2	261.1	429.5	597.9	766.4	934.8
65°	126.3	133.5	140.8	171.4	202.7	233.4	264.1	406.7	549.2	691.8	834.4
67.5°	110.1	115.5	121.5	161.8	202.1	242.4	282.7	399.4	515.5	632.2	748.3
70°	96.2	101.1	106.5	153.4	200.3	247.2	294.2	393.4	493.3	592.5	691.8
72.5°	84.8	89.0	93.2	140.8	188.3	235.8	283.3	371.8	459.6	548.0	635.8
75°	74.0	75.8	78.2	118.5	158.2	198.5	238.2	297.2	356.7	415.7	474.6
77.5°	53.5	53.5	54.1	66.2	77.6	89.6	101.1	137.8	174.5	210.5	247.2
80°	36.7	37.3	37.3	42.1	46.3	51.1	55.3	63.2	70.4	78.2	85.4
82.5°	18.6	17.4	16.8	21.7	26.5	31.3	36.1	37.9	39.1	40.9	42.1
85°	1.8	0.6	0.0	3.0	6.0	9.0	12.0	14.4	16.8	19.2	21.7
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: P368041  
 CATALOG NUMBER: MSA-SA3C-830-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: P368041

CATALOG NUMBER: MSA-SA3C-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7
2.5°	1397.4	1392.6	1387.8	1383.0	1412.4	1442.5	1472.0	1501.5	1585.1	1639.8	1633.8
5°	1557.4	1579.1	1600.7	1622.4	1657.3	1692.8	1727.7	1762.6	1886.5	1962.3	1973.1
7.5°	1452.2	1485.2	1518.9	1552.0	1619.4	1686.2	1753.5	1820.3	1922.0	2000.8	2045.3
10°	1280.7	1318.6	1355.9	1393.8	1469.6	1546.0	1621.8	1697.6	1811.9	1920.8	1976.7
12.5°	1284.3	1343.9	1403.4	1463.0	1529.2	1595.3	1660.9	1727.1	1796.8	1833.5	1912.3
15°	1384.2	1431.1	1478.0	1524.9	1611.6	1698.2	1784.2	1870.8	1912.3	2000.8	2092.8
17.5°	1420.9	1512.9	1604.3	1695.8	1804.1	1911.7	2020.0	2127.7	2205.9	2328.6	2423.7
20°	1352.9	1490.7	1627.8	1765.6	1914.1	2062.7	2211.3	2359.9	2445.3	2562.0	2708.8
22.5°	1355.9	1502.1	1647.7	1793.8	1999.0	2203.5	2408.6	2613.2	2842.3	3067.3	3138.9
25°	1377.0	1568.3	1758.9	1950.2	2187.3	2424.3	2661.3	2898.3	3175.0	3411.4	3506.5
27.5°	1384.2	1599.5	1814.3	2029.6	2366.5	2703.4	3040.3	3377.1	3707.4	3974.5	4076.1
30°	1366.7	1630.2	1893.1	2156.0	2569.2	2982.5	3395.8	3809.0	4122.5	4433.5	4559.8
32.5°	1370.9	1706.6	2042.3	2377.9	2864.6	3351.9	3838.5	4325.2	4525.5	4805.8	5028.4
35°	1399.8	1768.0	2135.5	2503.7	3042.1	3580.5	4118.8	4657.2	4985.7	5281.6	5470.5
37.5°	1467.2	1875.0	2282.3	2690.2	3351.9	4014.2	4675.9	5337.6	5845.9	6354.2	6440.8
40°	1517.1	1947.8	2378.5	2809.3	3577.4	4345.6	5113.8	5882.0	6457.1	7008.7	7067.7
42.5°	1573.7	2045.3	2517.5	2989.1	3848.1	4707.2	5566.2	6425.2	7091.1	7653.6	7692.7
45°	1635.6	2121.1	2605.9	3090.8	3990.7	4890.0	5790.0	6689.3	7467.1	8120.4	7973.0
47.5°	1665.1	2184.2	2703.4	3222.5	4187.4	5151.7	6116.6	7080.9	7778.7	8355.0	8182.9
50°	1688.0	2258.8	2830.3	3401.2	4413.0	5424.8	6436.6	7448.4	8148.1	8679.8	8410.3
52.5°	1752.3	2390.6	3029.4	3667.7	4743.9	5819.4	6895.6	7971.2	8647.9	9136.4	8758.6
55°	1814.9	2550.0	3285.7	4020.8	5178.2	6336.2	7493.6	8651.0	9324.7	9743.4	9230.3
57.5°	1893.7	2704.6	3514.9	4325.2	5563.2	6801.2	8038.6	9276.6	9935.3	10397.9	9864.9
60°	1873.2	2739.5	3606.3	4472.6	5733.4	6994.3	8255.1	9516.0	10298.6	10867.1	10505.5
62.5°	1793.8	2652.9	3511.3	4370.3	5608.9	6846.9	8085.5	9323.5	10261.3	11031.3	10909.8
65°	1633.2	2431.5	3230.3	4028.6	5211.3	6394.5	7577.2	8759.8	9917.2	10897.2	10940.5
67.5°	1422.1	2095.8	2769.0	3442.7	4545.9	5649.2	6751.8	7855.1	9221.2	10364.2	10492.9
70°	1198.3	1704.2	2210.7	2716.6	3687.5	4658.4	5628.7	6599.7	8019.9	9170.1	9413.1
72.5°	960.7	1286.1	1611.0	1935.8	2636.6	3336.8	4037.6	4737.8	5987.3	6880.0	7304.1
75°	622.6	770.6	918.6	1066.6	1533.4	1999.6	2466.4	2932.6	3762.1	4419.6	4899.1
77.5°	277.3	307.4	336.9	366.9	727.3	1087.6	1447.9	1808.3	2168.6	2565.6	2678.1
80°	99.3	112.5	126.3	139.6	316.4	493.9	670.7	847.6	1022.0	1227.2	1277.1
82.5°	41.5	41.5	40.9	40.3	103.5	166.6	229.8	293.0	338.7	389.2	398.8
85°	16.8	12.6	7.8	3.0	13.2	24.1	34.3	44.5	71.6	65.0	120.3
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: P368041  
 CATALOG NUMBER: MSA-SA3C-830-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: P368041  
 CATALOG NUMBER: MSA-SA3C-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7
2.5°	1611.0	1609.8	1608.6	1607.4	1606.2	1584.5	1563.4	1541.8	1520.7	1547.2	1573.7
5°	1955.7	1986.9	2018.2	2050.1	2081.4	2090.4	2099.4	2108.4	2117.5	2136.7	2156.0
7.5°	2082.6	2135.5	2187.9	2240.8	2293.1	2341.9	2390.0	2438.7	2487.4	2475.4	2463.4
10°	2038.7	2134.3	2230.0	2326.2	2421.9	2442.9	2464.0	2485.6	2506.7	2561.4	2616.2
12.5°	1991.1	2106.0	2220.9	2335.8	2450.7	2514.5	2577.7	2641.4	2705.2	2760.5	2815.9
15°	2216.7	2290.1	2363.5	2437.5	2510.9	2566.8	2622.2	2678.1	2733.5	2772.0	2809.9
17.5°	2513.3	2549.4	2585.5	2622.2	2658.3	2702.2	2746.1	2790.0	2833.9	2856.8	2879.6
20°	2826.7	2842.3	2858.0	2873.6	2889.3	2854.4	2819.5	2784.6	2749.7	2771.4	2792.4
22.5°	3141.3	3146.7	3152.7	3158.2	3163.6	3082.4	3001.2	2919.9	2838.7	2804.4	2770.2
25°	3625.6	3585.9	3546.2	3506.5	3466.8	3370.5	3274.3	3178.0	3081.8	2996.9	2912.1
27.5°	4150.1	4015.4	3881.2	3746.5	3612.3	3516.1	3419.8	3323.6	3227.3	3099.8	2972.3
30°	4678.9	4461.7	4245.2	4028.0	3811.4	3697.2	3582.9	3468.0	3353.7	3226.1	3099.2
32.5°	5163.7	4902.7	4641.6	4379.9	4118.8	3926.3	3733.8	3541.4	3348.9	3259.8	3170.8
35°	5565.6	5257.0	4948.4	4639.2	4330.6	4139.9	3949.2	3758.5	3567.8	3435.5	3303.7
37.5°	6252.6	5905.5	5558.4	5211.3	4864.2	4603.7	4343.8	4083.4	3822.9	3734.4	3646.0
40°	6886.0	6448.7	6011.3	5574.0	5136.7	4918.3	4700.5	4482.2	4264.4	4119.4	3975.1
42.5°	7389.5	6928.7	6468.5	6007.7	5546.9	5331.0	5115.6	4899.7	4683.7	4586.9	4490.6
45°	7498.4	7064.1	6630.3	6196.0	5761.7	5636.0	5510.8	5385.1	5260.0	5193.2	5127.0
47.5°	7713.1	7242.1	6771.7	6300.7	5829.7	5773.1	5716.6	5659.4	5602.9	5634.8	5666.6
50°	7833.4	7352.8	6872.2	6391.5	5910.9	5927.1	5942.8	5959.0	5975.2	6201.4	6427.0
52.5°	8066.8	7581.4	7095.9	6610.5	6125.0	6227.3	6329.0	6431.2	6532.9	6844.5	7155.5
55°	8483.7	8006.7	7529.7	7052.0	6575.0	6709.7	6844.5	6979.8	7114.6	7445.4	7775.7
57.5°	9101.5	8628.1	8155.3	7681.8	7209.0	7343.2	7477.3	7611.5	7745.6	8044.6	8343.0
60°	9879.3	9393.3	8907.8	8421.8	7936.3	7986.8	8036.8	8087.3	8137.8	8459.1	8779.7
62.5°	10485.1	10038.1	9591.8	9144.8	8698.5	8642.5	8587.2	8531.2	8475.9	8720.1	8963.8
65°	10625.9	10311.2	9997.2	9682.6	9368.0	9196.0	9024.5	8852.5	8680.4	8779.1	8877.7
67.5°	10222.8	10010.5	9798.7	9586.4	9374.0	9014.9	8655.8	8296.0	7936.9	7884.6	7832.2
70°	9287.4	9171.3	9055.8	8939.7	8824.2	8270.8	7717.9	7164.5	6611.7	6478.7	6345.8
72.5°	7328.7	7400.9	7473.1	7545.9	7618.1	7025.6	6433.6	5841.1	5248.6	5080.1	4912.3
75°	5168.0	5412.8	5657.6	5902.5	6147.3	5607.1	5067.5	4527.3	3987.1	3825.3	3664.1
77.5°	2802.0	3261.0	3720.0	4179.0	4638.0	4192.2	3747.1	3301.3	2855.6	2743.1	2631.2
80°	1328.2	1592.9	1857.0	2121.7	2386.4	2285.9	2185.4	2084.4	1983.9	2008.6	2033.3
82.5°	407.3	598.5	789.8	981.1	1172.4	1187.5	1201.9	1216.9	1232.0	1269.3	1306.0
85°	136.6	187.1	237.6	288.1	338.7	427.7	516.7	606.4	695.4	637.6	580.5
87.5°	0.0	1.8	3.0	4.8	6.0	18.6	31.3	43.9	56.5	48.7	41.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368041  
 CATALOG NUMBER: MSA-SA3C-830-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: P368041

CATALOG NUMBER: MSA-SA3C-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7
2.5°	1600.7	1627.2	1627.8	1629.0	1629.6	1630.2	1633.2	1636.2	1639.8	1642.8	1623.0
5°	2175.8	2195.1	2159.6	2124.1	2088.0	2052.5	2084.4	2116.3	2148.2	2180.0	2166.2
7.5°	2450.7	2438.7	2434.5	2430.9	2426.7	2423.1	2435.1	2447.1	2459.2	2471.2	2470.0
10°	2670.9	2725.6	2738.9	2752.1	2765.9	2779.2	2751.5	2723.8	2696.2	2668.5	2657.1
12.5°	2871.2	2926.6	2970.5	3014.4	3058.9	3102.8	3063.1	3024.0	2984.3	2945.2	2907.9
15°	2848.4	2886.3	2922.4	2958.4	2994.5	3030.6	3017.4	3004.8	2991.5	2978.3	2972.3
17.5°	2903.1	2926.0	2917.5	2909.1	2900.1	2891.7	2887.5	2883.9	2879.6	2875.4	2861.0
20°	2814.1	2835.7	2830.3	2825.5	2820.1	2814.7	2811.1	2807.5	2803.8	2800.2	2788.8
22.5°	2735.9	2701.6	2692.6	2684.1	2675.1	2666.7	2667.9	2669.1	2669.7	2670.9	2722.6
25°	2827.3	2742.5	2709.4	2676.3	2642.6	2609.5	2624.6	2639.0	2654.1	2669.1	2743.7
27.5°	2844.1	2716.6	2663.7	2610.7	2557.8	2504.9	2559.0	2613.2	2667.3	2721.4	2842.3
30°	2971.7	2844.8	2770.8	2697.4	2623.4	2550.0	2619.2	2688.3	2757.5	2826.7	2957.8
32.5°	3081.2	2992.1	2939.2	2886.3	2833.3	2780.4	2783.4	2785.8	2788.8	2791.8	2976.5
35°	3171.4	3039.7	2991.5	2944.0	2895.9	2848.4	2919.9	2991.5	3063.1	3134.7	3300.7
37.5°	3557.6	3469.2	3380.7	3292.9	3204.5	3116.7	3173.8	3230.9	3288.7	3345.8	3529.3
40°	3830.1	3685.7	3662.9	3640.6	3617.7	3595.5	3625.0	3653.8	3683.3	3712.8	3873.4
42.5°	4393.8	4296.9	4234.9	4173.6	4111.6	4050.3	4073.7	4097.2	4121.2	4144.7	4296.9
45°	5060.3	4993.5	4952.6	4911.7	4870.2	4829.3	4793.8	4758.9	4723.4	4688.5	4843.1
47.5°	5698.5	5730.4	5820.6	5910.3	6000.5	6090.1	6016.7	5943.4	5869.4	5796.0	5796.6
50°	6653.2	6878.8	6924.5	6969.6	7015.3	7060.4	6904.0	6747.6	6590.6	6434.2	6415.6
52.5°	7467.1	7778.1	7794.3	7810.6	7827.4	7843.7	7780.5	7717.3	7653.6	7590.4	7422.6
55°	8106.5	8436.8	8459.1	8480.7	8503.0	8524.6	8469.3	8414.5	8359.2	8303.9	8134.2
57.5°	8641.9	8940.3	8953.5	8966.2	8979.4	8992.6	8996.8	9001.1	9005.9	9010.1	8780.9
60°	9100.9	9422.1	9395.7	9369.8	9343.3	9317.5	9277.8	9238.1	9198.4	9158.7	9010.7
62.5°	9208.0	9452.2	9411.3	9371.0	9330.1	9289.8	9256.1	9223.0	9189.3	9155.7	9061.2
65°	8976.4	9075.0	9032.9	8990.8	8948.1	8906.0	8884.4	8863.3	8841.6	8820.0	8808.0
67.5°	7779.3	7727.0	7776.9	7826.8	7876.8	7926.7	7994.7	8062.6	8131.2	8199.2	8159.5
70°	6212.3	6079.3	6134.7	6189.4	6244.7	6299.5	6402.3	6505.2	6608.7	6711.5	6683.9
72.5°	4743.9	4575.4	4583.2	4591.1	4599.5	4607.3	4604.3	4601.9	4598.9	4595.9	4644.0
75°	3502.2	3340.4	3264.0	3187.6	3111.2	3034.8	3016.2	2997.5	2978.9	2960.2	3049.9
77.5°	2518.7	2406.8	2354.5	2302.8	2250.4	2198.7	2225.1	2251.6	2278.7	2305.2	2336.4
80°	2058.5	2083.2	2042.9	2003.2	1962.9	1922.6	1952.6	1982.1	2012.2	2042.3	1949.0
82.5°	1343.3	1380.0	1256.0	1132.1	1008.2	884.3	959.5	1034.7	1110.5	1185.7	1147.2
85°	522.8	465.6	397.0	329.1	260.5	191.9	249.6	307.4	365.1	422.9	461.4
87.5°	33.7	26.5	21.1	15.6	9.6	4.2	9.0	13.8	19.2	24.1	40.3
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: P368041  
 CATALOG NUMBER: MSA-SA3C-830-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: P368041

CATALOG NUMBER: MSA-SA3C-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7	1271.7
2.5°	1603.7	1583.9	1564.6	1526.7	1488.8	1450.9	1413.1	1466.0	1518.9	1571.9	1624.8
5°	2153.0	2139.1	2125.9	2129.5	2133.1	2137.3	2140.9	2148.8	2156.6	2163.8	2171.6
7.5°	2469.4	2468.2	2467.0	2439.3	2411.6	2383.4	2355.7	2369.5	2383.4	2397.2	2411.0
10°	2646.2	2634.8	2623.4	2562.6	2501.9	2440.5	2379.7	2353.3	2326.2	2299.7	2273.3
12.5°	2870.6	2832.7	2795.4	2730.5	2666.1	2601.1	2536.2	2512.1	2487.4	2463.4	2438.7
15°	2966.9	2960.9	2955.4	2909.1	2862.2	2815.9	2769.0	2686.5	2603.5	2521.1	2438.7
17.5°	2846.6	2831.5	2817.1	2890.5	2963.3	3036.6	3110.0	3024.6	2939.2	2853.8	2768.4
20°	2777.4	2765.9	2754.5	2891.1	3027.0	3163.6	3299.5	3261.6	3223.1	3185.2	3147.3
22.5°	2774.4	2826.7	2878.4	2998.1	3117.3	3237.0	3356.1	3421.6	3487.8	3553.4	3619.0
25°	2818.3	2893.5	2968.1	3166.6	3365.1	3564.2	3762.7	3837.9	3912.5	3987.7	4062.3
27.5°	2962.7	3083.6	3203.9	3377.1	3550.4	3724.2	3897.5	4061.7	4226.5	4390.7	4555.0
30°	3088.4	3219.5	3350.7	3557.0	3762.7	3969.1	4174.8	4380.5	4586.3	4792.0	4997.7
32.5°	3161.2	3346.4	3531.1	3782.0	4032.2	4283.1	4533.9	4759.5	4985.1	5210.1	5435.6
35°	3466.8	3633.4	3799.4	4076.7	4354.1	4632.0	4909.3	5188.4	5467.5	5746.0	6025.2
37.5°	3712.8	3896.9	4080.3	4383.5	4686.1	4989.3	5292.5	5678.1	6064.3	6449.9	6835.5
40°	4034.0	4194.6	4355.3	4639.2	4922.5	5206.5	5490.4	5979.5	6468.5	6957.0	7446.0
42.5°	4448.5	4600.7	4752.9	5056.7	5360.5	5664.2	5968.0	6509.4	7050.8	7591.6	8133.0
45°	4997.7	5152.9	5307.5	5549.3	5791.2	6033.0	6274.8	6850.5	7425.6	8001.3	8576.4
47.5°	5797.2	5797.8	5798.4	5972.8	6147.3	6322.3	6496.8	7076.7	7656.0	8235.9	8815.2
50°	6396.9	6377.7	6359.0	6449.3	6538.9	6629.1	6719.4	7252.9	7787.1	8320.7	8854.3
52.5°	7255.3	7087.5	6920.3	6973.8	7026.8	7080.3	7133.2	7585.0	8037.4	8489.1	8940.9
55°	7965.2	7795.5	7625.9	7606.1	7586.2	7566.4	7546.5	7962.2	8377.8	8793.5	9209.2
57.5°	8552.3	8323.1	8094.5	8048.8	8003.7	7958.0	7912.2	8350.8	8788.7	9227.2	9665.2
60°	8863.3	8715.3	8567.3	8537.9	8507.8	8478.3	8448.2	8808.0	9167.7	9527.4	9887.1
62.5°	8967.4	8872.9	8779.1	8834.4	8889.8	8945.7	9001.1	9159.3	9316.9	9475.1	9632.7
65°	8796.5	8784.5	8772.5	8886.2	8999.3	9112.9	9226.6	9187.5	9147.8	9108.7	9069.6
67.5°	8120.4	8080.7	8041.6	8291.2	8540.3	8789.9	9039.6	8850.1	8660.0	8470.5	8281.0
70°	6656.2	6627.9	6600.3	6960.0	7319.7	7680.0	8039.8	7810.0	7580.2	7350.4	7120.6
72.5°	4691.5	4739.6	4787.8	5211.9	5635.4	6059.5	6483.0	6251.4	6019.8	5788.2	5556.6
75°	3138.9	3228.5	3318.2	3754.9	4191.6	4629.0	5065.7	4793.8	4521.9	4250.0	3978.1
77.5°	2367.7	2399.0	2430.3	2706.4	2982.5	3259.2	3535.3	3311.0	3086.0	2861.6	2636.6
80°	1855.8	1762.0	1668.7	1759.5	1850.4	1941.2	2032.1	1897.9	1763.8	1630.2	1496.1
82.5°	1108.7	1070.2	1031.7	1081.0	1129.7	1179.0	1228.4	1170.6	1112.3	1054.5	996.2
85°	499.3	537.8	575.7	625.6	674.9	724.9	774.8	694.2	613.6	533.0	452.4
87.5°	55.9	72.2	88.4	109.5	130.5	151.6	172.6	134.7	96.2	58.4	20.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P368041  
 CATALOG NUMBER: MSA-SA3C-830-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: P368041  
 CATALOG NUMBER: MSA-SA3C-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	1271.7	1271.7
2.5°	1655.5	1686.2
5°	2171.0	2169.8
7.5°	2374.9	2338.2
10°	2239.6	2205.9
12.5°	2352.7	2266.7
15°	2373.7	2308.8
17.5°	2662.5	2556.0
20°	3010.8	2873.6
22.5°	3431.3	3243.0
25°	3838.5	3614.7
27.5°	4420.8	4286.1
30°	4861.8	4725.2
32.5°	5343.0	5250.4
35°	5933.1	5840.5
37.5°	6859.5	6883.0
40°	7460.5	7474.9
42.5°	8189.0	8244.9
45°	8638.9	8701.5
47.5°	8902.4	8989.6
50°	8995.0	9135.8
52.5°	9114.8	9288.0
55°	9402.3	9595.4
57.5°	9819.2	9973.2
60°	9894.4	9901.6
62.5°	9521.4	9410.1
65°	8951.1	8832.6
67.5°	8209.4	8137.2
70°	7025.6	6930.5
72.5°	5379.7	5202.8
75°	3759.1	3540.1
77.5°	2521.7	2406.8
80°	1499.7	1502.7
82.5°	1023.8	1050.9
85°	447.0	440.9
87.5°	14.4	7.8
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0



REPORT NUMBER: P368041  
CATALOG NUMBER: MSA-SA3C-830-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)