

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: P366985

Luminaire Tested: **MSA-SA1C-830-U-SLR-HSS**

Issue Date: 12/2/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P366985  
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-SA1C-830-U-SLR-HSS  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS  
EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

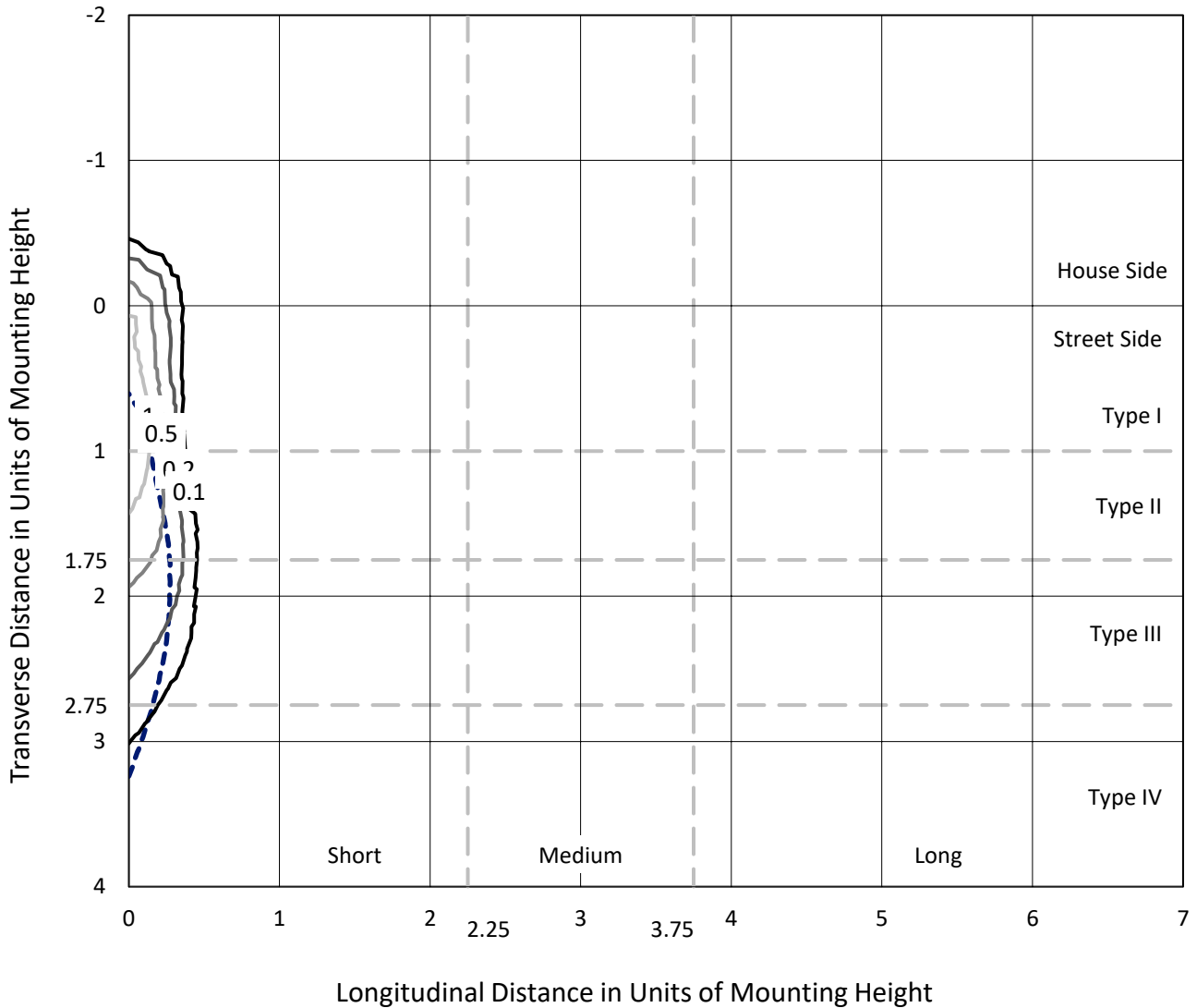
Lumens per Lamp: N/A  
Luminaire Lumens: 3636 lumens  
Efficiency: N/A  
Efficacy: 61.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

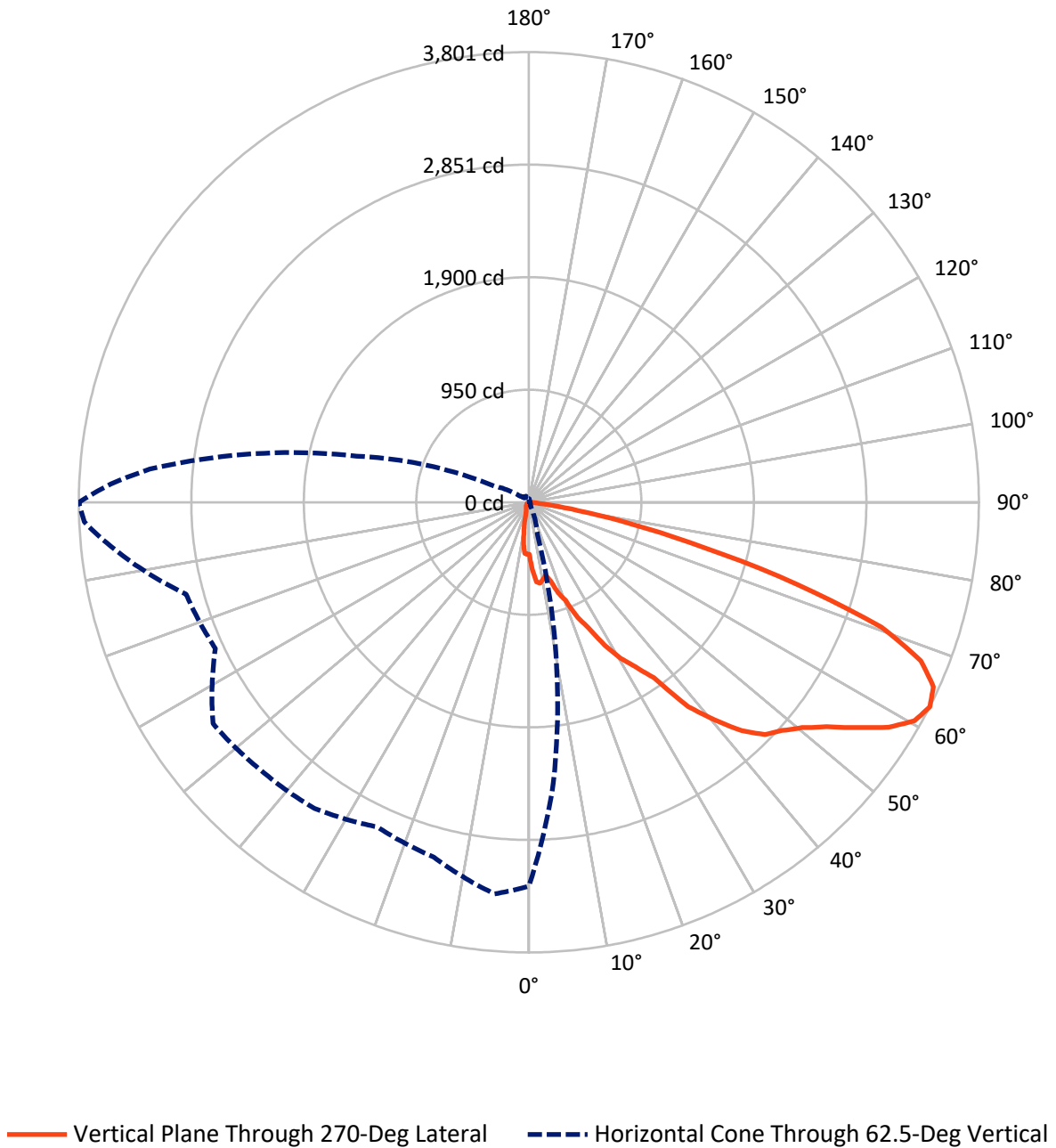
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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	607.2	0.0	607.2
	% Fixture	16.7	0.0	16.7
<b>Street Side</b>	Lumens	3028.8	0.0	3028.8
	% Fixture	83.3	0.0	83.3
<b>Total</b>	Lumens	3636.0	0.0	3636.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.0	1.3
10°-20°	127.9	3.5
20°-30°	206.7	5.7
30°-40°	346.2	9.5
40°-50°	565.9	15.6
50°-60°	837.8	23.0
60°-70°	961.8	26.5
70°-80°	475.5	13.1
80°-90°	65.3	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°	3636.0	100.0
0°-180°	3636.0	100.0

**Coefficient of Utilization**

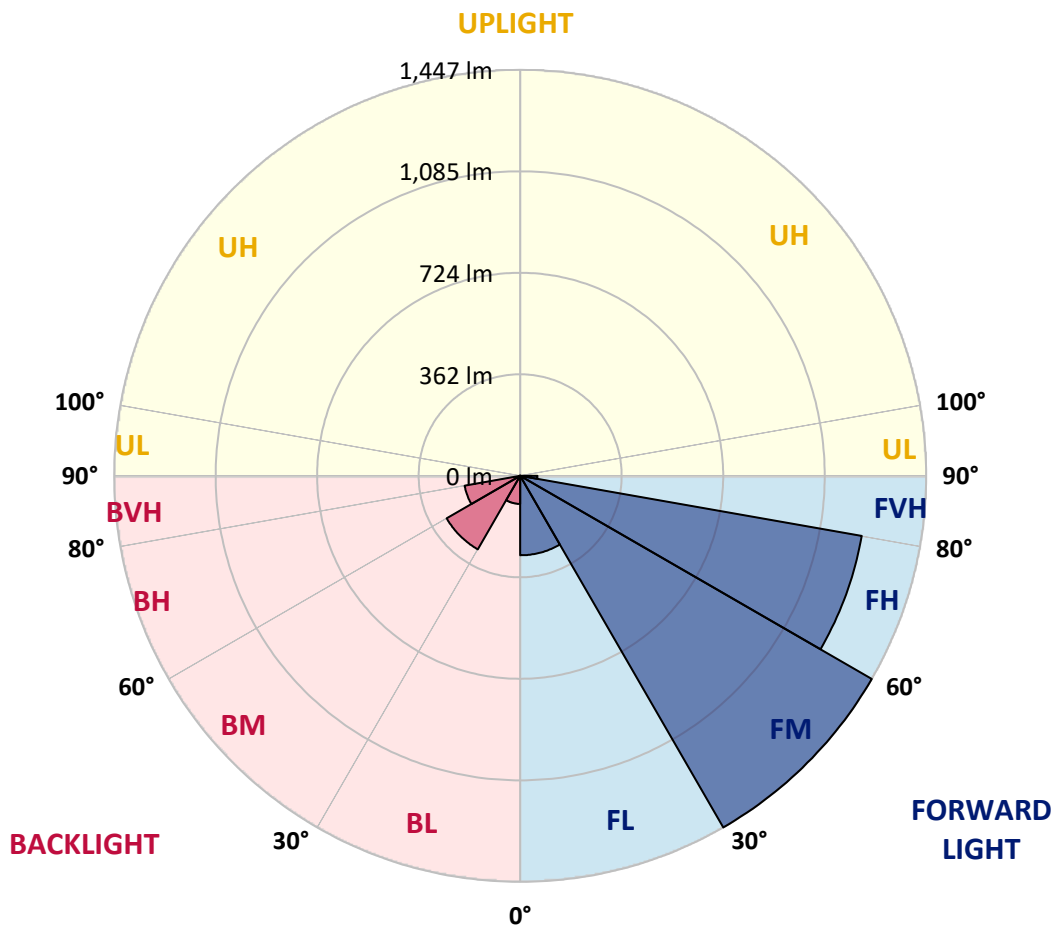


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	283.3	7.8			
FM (30°-60°)	1447.3	39.8			
FH (60°-80°)	1236.4	34.0			G1/1800
FVH (80°-90°)	61.8	1.7			G1/100
BL (0°-30°)	100.3	2.8	B0/110		
BM (30°-60°)	302.6	8.3	B1/1000		
BH (60°-80°)	200.9	5.5	B1/500		G1/500
BVH (80°-90°)	3.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2
2.5°	581.0	588.2	595.3	581.8	568.3	554.8	541.4	529.4	517.3	505.1	493.1
5°	747.6	734.3	721.1	702.8	684.6	666.4	648.1	639.6	631.1	622.6	614.1
7.5°	805.6	782.0	758.2	742.0	726.0	709.9	693.7	668.2	642.5	617.0	591.3
10°	760.0	735.0	709.7	695.6	681.5	667.4	653.3	621.6	589.7	558.0	526.0
12.5°	781.0	753.8	726.7	697.6	668.6	639.6	610.6	586.3	561.9	537.6	513.2
15°	795.5	764.4	733.1	699.9	666.8	633.6	600.4	571.8	543.4	514.8	486.2
17.5°	880.7	836.1	791.5	740.6	689.6	638.6	587.6	554.4	521.5	488.3	455.2
20°	990.1	926.9	863.5	794.4	725.4	656.4	587.4	546.1	504.9	463.6	422.4
22.5°	1117.4	1038.4	959.2	874.0	789.1	703.9	618.7	559.4	500.1	440.8	381.6
25°	1245.4	1174.1	1102.8	988.2	873.6	758.8	644.2	568.9	493.5	418.3	342.8
27.5°	1476.8	1349.3	1221.8	1075.9	930.2	784.3	638.4	552.1	465.9	379.5	293.3
30°	1628.1	1530.0	1431.8	1239.0	1046.5	853.7	661.0	551.7	442.5	333.1	223.8
32.5°	1809.0	1665.6	1521.9	1312.8	1103.7	894.5	685.4	557.1	428.6	300.3	171.8
35°	2012.3	1856.3	1700.2	1435.3	1170.4	905.3	640.4	516.1	391.7	267.4	143.0
37.5°	2371.5	2110.4	1849.2	1540.4	1231.4	922.5	613.5	489.3	365.0	240.8	116.5
40°	2575.5	2326.1	2076.8	1690.9	1304.9	919.0	533.1	422.8	312.8	202.5	92.2
42.5°	2840.8	2524.5	2208.0	1776.7	1345.3	914.0	482.7	380.7	278.8	176.6	74.6
45°	2998.1	2639.7	2281.3	1814.0	1346.6	879.2	411.8	323.5	235.2	146.9	58.7
47.5°	3097.3	2738.0	2378.6	1876.8	1375.2	873.4	371.6	290.4	209.1	127.9	46.6
50°	3147.7	2787.3	2426.6	1911.0	1395.3	879.4	363.7	282.9	201.9	121.0	40.0
52.5°	3200.1	2852.6	2504.8	1970.2	1435.7	901.2	366.6	284.2	201.9	119.4	36.9
55°	3306.1	2963.2	2620.2	2055.2	1490.2	925.2	360.2	279.0	197.7	116.3	35.0
57.5°	3436.2	3069.8	2703.1	2117.4	1531.7	946.0	360.2	278.6	196.9	115.0	33.4
60°	3411.6	3013.8	2615.9	2047.6	1479.2	910.7	342.4	264.7	187.2	109.4	31.7
62.5°	3242.2	2810.5	2378.6	1853.4	1327.9	802.7	277.3	215.3	153.4	91.2	29.2
65°	3043.2	2585.0	2126.5	1643.2	1159.6	676.3	192.8	151.3	109.6	68.2	26.5
67.5°	2803.7	2314.9	1826.2	1396.3	966.7	536.8	106.9	86.2	65.5	44.6	23.8
70°	2387.9	1883.4	1378.7	1048.3	718.2	387.8	57.4	48.5	39.6	30.7	21.8
72.5°	1792.6	1330.4	868.2	659.5	451.0	242.3	33.6	30.3	26.7	23.4	19.9
75°	1219.7	873.4	527.1	401.3	275.7	149.9	24.0	22.4	20.5	18.9	17.0
77.5°	829.3	599.8	370.4	282.7	195.0	107.4	19.7	18.7	17.6	16.4	15.3
80°	517.7	354.4	191.1	147.2	103.0	59.1	14.9	14.3	13.7	12.9	12.2
82.5°	362.1	216.6	71.1	55.5	40.0	24.2	8.7	8.9	9.1	9.1	9.3
85°	151.9	82.1	12.2	10.4	8.5	6.6	4.8	5.2	5.8	6.2	6.6
87.5°	2.7	1.5	0.0	0.4	1.0	1.5	1.9	2.5	2.9	3.5	3.9
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



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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°	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2
2.5°	496.2	499.3	502.2	505.3	502.8	500.5	498.1	495.6	491.8	488.3	484.6
5°	603.8	593.4	583.0	572.7	556.9	541.2	525.2	509.5	507.6	505.7	503.7
7.5°	567.1	542.8	518.4	494.1	471.3	448.5	425.7	402.9	395.9	389.0	382.0
10°	507.4	488.7	469.9	451.2	434.8	418.3	401.9	385.3	368.1	350.9	333.5
12.5°	493.7	474.2	454.5	435.0	420.1	405.2	390.3	375.4	356.1	336.8	317.5
15°	465.1	444.0	422.8	401.7	381.8	361.9	341.8	321.9	298.7	275.5	252.2
17.5°	430.1	405.2	380.1	355.0	328.9	302.8	276.7	250.6	223.8	197.3	170.6
20°	388.4	354.4	320.2	286.2	253.9	221.6	189.0	156.7	139.9	123.3	106.5
22.5°	337.6	293.5	249.5	205.4	178.9	152.1	125.6	98.9	91.6	84.4	77.1
25°	292.9	242.9	193.0	143.0	126.2	109.4	92.6	75.9	72.5	69.0	65.7
27.5°	246.2	199.4	152.3	105.3	95.8	86.0	76.5	66.7	64.5	62.4	60.1
30°	188.8	153.8	118.6	83.5	77.3	71.1	64.7	58.4	57.4	56.2	55.1
32.5°	146.3	120.6	95.1	69.4	65.9	62.4	58.9	55.3	53.7	52.0	50.2
35°	122.3	101.8	81.0	60.3	57.8	55.1	52.6	50.0	48.3	46.4	44.8
37.5°	101.4	86.4	71.3	56.2	53.5	50.8	47.9	45.2	43.9	42.7	41.5
40°	83.5	74.8	66.1	57.4	53.5	49.5	45.6	41.7	40.6	39.6	38.6
42.5°	69.0	63.4	57.6	52.0	49.1	46.4	43.5	40.6	39.2	37.5	36.1
45°	55.8	52.6	49.7	46.6	46.8	47.0	47.0	47.3	43.5	39.6	35.9
47.5°	45.2	43.7	42.1	40.6	42.3	43.9	45.4	47.0	43.1	39.2	35.0
50°	38.8	37.7	36.5	35.2	36.9	38.8	40.4	42.1	40.4	39.0	37.3
52.5°	35.4	34.0	32.5	31.1	31.7	32.5	33.2	33.8	33.8	33.8	33.8
55°	33.4	31.9	30.3	28.6	28.0	27.2	26.5	25.7	24.7	23.8	22.8
57.5°	31.7	30.1	28.2	26.5	25.5	24.2	23.2	22.0	20.9	19.7	18.7
60°	30.1	28.4	26.5	24.9	23.8	22.8	21.6	20.5	19.3	18.2	17.0
62.5°	27.8	26.3	24.9	23.4	22.4	21.6	20.5	19.5	18.2	17.0	15.5
65°	25.3	24.2	23.0	21.8	20.7	19.7	18.7	17.6	16.4	15.3	14.1
67.5°	23.0	22.0	21.1	20.1	18.9	17.8	16.6	15.3	14.5	13.7	12.6
70°	21.1	20.3	19.7	18.9	17.6	16.6	15.3	14.1	13.5	12.6	12.0
72.5°	19.3	18.7	17.8	17.2	16.2	15.1	14.1	13.1	12.4	11.8	11.2
75°	16.6	16.2	15.8	15.3	14.3	13.3	12.0	11.0	10.8	10.6	10.4
77.5°	14.9	14.7	14.3	13.9	12.9	11.8	10.8	9.7	9.9	10.2	10.2
80°	12.2	12.2	12.0	12.0	11.2	10.4	9.3	8.5	8.9	9.5	9.9
82.5°	9.3	9.3	9.3	9.3	8.5	7.7	6.8	6.0	6.6	7.0	7.7
85°	6.4	6.2	6.0	5.8	5.2	4.8	4.1	3.5	4.4	5.0	5.8
87.5°	3.9	4.1	4.1	4.1	3.7	3.1	2.7	2.1	2.5	2.7	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366985  
 CATALOG NUMBER: MSA-SA1C-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: P366985  
 CATALOG NUMBER: MSA-SA1C-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2
2.5°	480.9	474.6	468.4	462.0	455.8	441.3	426.8	412.2	397.7	408.5	419.1
5°	501.8	489.8	477.5	465.5	453.3	447.9	442.7	437.3	431.9	432.8	433.8
7.5°	374.9	367.1	359.2	351.1	343.2	341.6	340.1	338.5	336.8	340.3	343.6
10°	316.3	305.3	294.1	283.1	271.9	265.9	259.9	253.9	247.9	247.3	246.4
12.5°	298.3	281.5	264.9	248.1	231.3	218.2	205.2	192.1	179.1	180.1	181.1
15°	229.0	212.2	195.7	178.9	162.1	151.5	140.7	130.2	119.4	116.3	113.2
17.5°	143.8	131.4	119.0	106.3	93.9	90.4	87.1	83.5	80.0	79.0	77.9
20°	89.7	84.4	79.0	73.4	68.0	67.2	66.3	65.5	64.7	65.3	65.9
22.5°	69.8	67.6	65.1	62.8	60.3	59.5	58.7	57.8	57.0	57.6	58.0
25°	62.2	60.5	58.9	57.2	55.5	54.7	53.7	52.9	51.8	52.2	52.9
27.5°	57.8	56.4	54.9	53.5	52.0	50.6	49.3	47.9	46.4	47.3	47.9
30°	53.9	52.2	50.8	49.1	47.5	46.0	44.6	42.9	41.5	42.3	43.1
32.5°	48.5	47.0	45.4	43.9	42.3	41.5	40.6	39.6	38.8	39.4	39.8
35°	42.9	41.7	40.6	39.4	38.1	37.3	36.7	35.9	35.0	35.2	35.6
37.5°	40.2	38.8	37.3	35.9	34.4	34.0	33.6	33.0	32.5	32.5	32.5
40°	37.5	36.1	34.6	33.0	31.5	30.9	30.3	29.6	29.0	29.0	29.0
42.5°	34.4	33.0	31.5	30.1	28.6	28.0	27.2	26.5	25.7	25.7	25.7
45°	31.9	30.5	29.2	27.8	26.3	25.3	24.2	23.0	22.0	21.8	21.6
47.5°	31.1	29.0	26.9	24.9	22.8	21.8	20.7	19.5	18.4	18.2	18.0
50°	35.6	31.5	27.4	23.2	19.1	18.2	17.4	16.6	15.8	15.3	15.1
52.5°	33.8	29.4	25.1	20.7	16.4	15.8	15.1	14.5	13.9	13.5	13.1
55°	21.8	19.9	18.2	16.4	14.5	14.1	13.7	13.1	12.6	12.2	11.8
57.5°	17.4	16.4	15.5	14.5	13.5	13.1	12.6	12.0	11.6	11.0	10.6
60°	15.8	14.9	14.1	13.3	12.4	12.0	11.6	11.2	10.8	10.2	9.7
62.5°	14.3	13.7	13.1	12.4	11.8	11.4	11.0	10.6	10.2	9.5	8.9
65°	12.9	12.4	12.0	11.6	11.2	10.8	10.4	9.7	9.3	8.7	8.1
67.5°	11.8	11.6	11.4	11.2	11.0	10.6	9.9	9.5	8.9	8.3	7.5
70°	11.2	11.2	11.2	11.0	11.0	10.6	9.9	9.5	8.9	8.1	7.5
72.5°	10.6	10.8	11.0	11.0	11.2	10.6	9.9	9.3	8.7	7.9	7.3
75°	10.2	10.4	10.6	10.6	10.8	10.4	9.9	9.3	8.9	8.1	7.3
77.5°	10.4	10.6	10.6	10.8	10.8	10.4	9.9	9.3	8.9	7.9	6.8
80°	10.4	10.2	9.9	9.5	9.3	8.5	7.7	6.6	5.8	4.6	3.5
82.5°	8.1	7.7	7.5	7.0	6.6	5.8	5.0	4.1	3.3	2.5	1.7
85°	6.4	6.0	5.8	5.4	5.0	4.4	3.5	2.9	2.1	1.7	1.0
87.5°	3.3	3.1	2.7	2.5	2.1	1.7	1.0	0.6	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: P366985  
 CATALOG NUMBER: MSA-SA1C-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: P366985  
 CATALOG NUMBER: MSA-SA1C-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°	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2
2.5°	429.9	440.4	439.0	437.5	444.4	451.2	446.2	441.5	436.5	431.5	421.2
5°	434.6	435.5	434.0	432.4	432.6	432.8	429.4	426.1	422.8	419.5	418.9
7.5°	347.2	350.5	355.0	359.4	359.6	359.6	357.1	354.6	351.9	349.4	350.7
10°	245.8	245.0	246.2	247.5	247.3	246.9	253.5	260.1	266.5	273.2	268.4
12.5°	182.0	183.0	177.8	172.7	174.5	176.2	177.2	178.2	179.3	180.3	183.2
15°	110.1	106.9	103.2	99.5	101.4	103.0	104.9	106.5	108.4	110.1	111.9
17.5°	76.7	75.7	74.0	72.1	72.3	72.5	72.7	73.0	73.0	73.2	73.6
20°	66.5	67.2	65.9	64.5	64.0	63.4	63.0	62.6	62.0	61.6	60.9
22.5°	58.7	59.1	59.3	59.3	58.4	57.4	56.6	56.0	55.1	54.3	53.9
25°	53.3	53.7	53.3	52.6	52.2	51.8	51.4	50.8	50.4	49.7	49.5
27.5°	48.7	49.3	49.3	49.1	48.7	48.1	47.0	46.2	45.2	44.1	44.4
30°	43.9	44.8	44.8	44.6	44.4	44.1	43.1	42.1	41.0	40.0	40.4
32.5°	40.4	40.8	40.6	40.4	40.4	40.2	39.4	38.8	37.9	37.1	37.1
35°	35.9	36.1	36.1	36.1	36.1	35.9	35.2	34.6	34.0	33.4	33.6
37.5°	32.5	32.5	33.2	33.6	33.2	32.7	32.3	31.7	31.3	30.7	30.7
40°	28.8	28.8	29.4	29.8	29.4	29.0	28.8	28.4	28.2	27.8	27.8
42.5°	25.5	25.5	26.1	26.5	26.5	26.3	25.9	25.5	25.1	24.7	24.9
45°	21.3	21.1	22.2	23.0	22.6	22.2	22.2	22.0	22.0	21.8	22.0
47.5°	17.6	17.4	18.2	19.1	18.9	18.4	18.4	18.4	18.4	18.4	18.7
50°	14.7	14.3	15.1	15.8	15.5	15.1	15.1	15.3	15.3	15.3	15.5
52.5°	12.6	12.2	12.9	13.3	13.1	12.9	12.9	13.1	13.1	13.1	13.3
55°	11.2	10.8	11.4	11.8	11.6	11.2	11.4	11.4	11.6	11.6	11.6
57.5°	9.9	9.3	9.7	10.2	10.2	9.9	10.2	10.2	10.4	10.4	10.4
60°	9.1	8.5	8.9	9.1	9.1	8.9	9.1	9.1	9.3	9.3	9.3
62.5°	8.1	7.5	7.9	8.1	8.1	7.9	8.1	8.1	8.3	8.3	8.3
65°	7.3	6.6	6.8	7.0	7.0	7.0	7.3	7.3	7.5	7.5	7.5
67.5°	6.8	6.0	6.2	6.4	6.4	6.4	6.6	6.6	6.8	6.8	7.0
70°	6.6	5.8	6.0	6.0	6.2	6.2	6.2	6.4	6.4	6.4	6.4
72.5°	6.4	5.6	5.6	5.6	5.8	5.8	5.8	6.0	6.0	6.0	6.0
75°	6.4	5.6	5.4	5.2	5.4	5.4	5.4	5.6	5.6	5.6	5.6
77.5°	5.6	4.6	4.1	3.5	4.1	4.6	4.8	4.8	5.0	5.0	5.0
80°	2.3	1.0	0.6	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.5
82.5°	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.6	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: P366985  
 CATALOG NUMBER: MSA-SA1C-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: P366985  
 CATALOG NUMBER: MSA-SA1C-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2
2.5°	410.8	400.4	390.1	395.0	400.0	405.0	410.0	409.6	408.9	408.5	407.9
5°	418.5	417.8	417.2	414.3	411.6	408.7	405.8	405.2	404.4	403.7	402.9
7.5°	351.9	353.0	354.2	350.9	347.6	344.3	340.9	332.5	324.0	315.2	306.7
10°	263.6	258.7	253.9	253.5	253.1	252.7	252.2	251.4	250.6	249.5	248.7
12.5°	186.3	189.2	192.1	191.1	190.1	188.8	187.8	189.2	190.9	192.3	193.8
15°	113.6	115.4	117.1	120.8	124.6	128.3	132.0	133.5	135.1	136.6	138.0
17.5°	74.0	74.2	74.6	78.8	82.7	86.8	90.8	93.5	96.2	98.7	101.4
20°	60.3	59.7	59.1	61.3	63.6	65.9	68.2	70.7	73.2	75.7	78.1
22.5°	53.7	53.3	52.9	53.7	54.5	55.1	56.0	57.8	59.9	61.8	63.6
25°	49.3	48.9	48.7	49.1	49.5	50.0	50.4	51.4	52.4	53.5	54.5
27.5°	44.4	44.6	44.6	45.0	45.2	45.6	45.8	46.2	46.8	47.3	47.7
30°	40.6	41.0	41.2	41.7	41.9	42.3	42.5	42.3	42.1	41.9	41.7
32.5°	37.1	36.9	36.9	37.3	37.5	37.9	38.1	38.6	39.0	39.2	39.6
35°	33.6	33.8	33.8	33.8	34.0	34.0	34.0	34.4	35.0	35.4	35.9
37.5°	30.5	30.5	30.3	30.9	31.3	31.9	32.3	32.7	33.4	33.8	34.2
40°	27.8	27.8	27.8	28.2	28.6	28.8	29.2	30.3	31.3	32.3	33.4
42.5°	24.9	25.1	25.1	25.5	25.9	26.1	26.5	27.4	28.0	28.8	29.4
45°	22.2	22.4	22.6	23.0	23.2	23.6	23.8	24.2	24.5	24.9	25.1
47.5°	19.1	19.3	19.5	19.9	20.1	20.5	20.7	20.5	20.5	20.3	20.1
50°	16.0	16.2	16.4	17.0	17.4	18.0	18.4	18.0	17.6	17.0	16.6
52.5°	13.5	13.5	13.7	14.1	14.5	14.7	15.1	14.9	14.7	14.5	14.3
55°	11.6	11.6	11.6	11.8	12.0	12.2	12.4	12.6	12.6	12.9	12.9
57.5°	10.4	10.2	10.2	10.4	10.6	10.6	10.8	11.0	11.0	11.2	11.2
60°	9.3	9.1	9.1	9.3	9.5	9.7	9.9	9.9	9.9	9.7	9.7
62.5°	8.3	8.3	8.3	8.5	8.5	8.7	8.7	8.7	8.9	8.9	8.9
65°	7.7	7.7	7.7	7.7	7.7	7.5	7.5	7.7	7.7	7.9	7.9
67.5°	7.0	7.3	7.3	7.0	6.8	6.6	6.4	6.6	6.6	6.8	6.8
70°	6.4	6.4	6.4	6.2	6.0	5.8	5.6	5.6	5.6	5.4	5.4
72.5°	6.0	5.8	5.8	5.6	5.2	5.0	4.6	4.4	4.4	4.1	3.9
75°	5.6	5.4	5.4	5.0	4.6	4.1	3.7	3.5	3.1	2.9	2.5
77.5°	5.0	5.0	5.0	4.4	3.9	3.3	2.7	2.3	1.9	1.2	0.8
80°	1.7	1.9	2.1	1.9	1.9	1.7	1.5	1.0	0.8	0.4	0.0
82.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366985  
 CATALOG NUMBER: MSA-SA1C-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: P366985  
 CATALOG NUMBER: MSA-SA1C-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°	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2
2.5°	410.2	412.5	414.7	417.0	417.2	417.4	417.6	417.8	412.7	407.3	402.1
5°	407.1	411.4	415.6	419.7	417.4	415.1	412.9	410.6	410.4	410.4	410.2
7.5°	307.4	307.8	308.4	308.8	309.7	310.5	311.1	311.9	315.2	318.6	321.7
10°	246.0	243.3	240.4	237.7	235.7	233.4	231.3	229.0	230.7	232.5	234.2
12.5°	191.5	189.2	186.7	184.5	183.6	182.8	181.8	180.9	186.3	191.7	196.9
15°	137.6	137.2	136.6	136.2	138.9	141.6	144.3	146.9	151.5	155.9	160.4
17.5°	102.4	103.4	104.5	105.5	107.2	108.8	110.3	111.9	115.2	118.8	122.1
20°	79.4	80.8	82.1	83.3	82.9	82.5	81.9	81.5	84.1	86.8	89.3
22.5°	64.9	65.9	67.2	68.2	68.4	68.6	68.8	69.0	70.7	72.1	73.8
25°	55.5	56.8	57.8	58.9	59.1	59.3	59.5	59.7	61.8	63.8	65.7
27.5°	49.1	50.4	51.8	53.1	53.5	53.9	54.3	54.7	56.0	57.0	58.2
30°	43.3	45.0	46.6	48.3	48.9	49.5	50.2	50.8	52.0	53.5	54.7
32.5°	40.4	41.5	42.3	43.1	44.6	45.8	47.3	48.5	50.0	51.6	53.1
35°	37.1	38.1	39.4	40.4	41.5	42.5	43.3	44.4	45.2	46.0	46.6
37.5°	35.0	36.1	36.9	37.7	38.1	38.6	38.8	39.2	39.6	40.0	40.2
40°	33.4	33.2	33.2	33.0	33.4	34.0	34.4	34.8	36.1	37.1	38.3
42.5°	29.0	28.4	28.0	27.4	28.4	29.2	30.3	31.1	32.7	34.4	36.1
45°	24.7	24.2	23.6	23.2	24.7	26.1	27.6	29.0	30.9	32.5	34.4
47.5°	20.3	20.5	20.5	20.7	22.2	23.6	24.9	26.3	28.2	30.1	31.9
50°	17.0	17.4	17.8	18.2	19.7	20.9	22.4	23.6	25.7	27.6	29.6
52.5°	14.9	15.5	16.0	16.6	17.8	19.3	20.5	21.8	23.6	25.5	27.4
55°	13.5	14.3	14.9	15.5	16.6	17.6	18.7	19.7	21.6	23.4	25.1
57.5°	11.8	12.4	13.1	13.7	14.7	15.8	16.6	17.6	19.3	21.1	22.8
60°	10.4	10.8	11.4	11.8	12.6	13.7	14.5	15.3	17.0	18.7	20.1
62.5°	9.1	9.5	9.7	9.9	10.8	11.6	12.4	13.3	14.7	16.4	17.8
65°	8.1	8.3	8.3	8.5	9.1	9.9	10.6	11.2	12.9	14.3	16.0
67.5°	6.8	7.0	7.0	7.0	7.7	8.3	8.9	9.5	11.0	12.6	14.1
70°	5.4	5.6	5.6	5.6	6.2	7.0	7.7	8.3	9.5	10.8	12.0
72.5°	4.1	4.1	4.4	4.4	5.0	5.8	6.4	7.0	8.1	9.1	10.2
75°	2.7	2.9	2.9	3.1	3.7	4.6	5.2	5.8	6.8	7.9	8.7
77.5°	1.0	1.5	1.7	1.9	2.5	3.1	3.7	4.4	5.2	6.2	7.0
80°	0.0	0.2	0.2	0.2	0.6	0.8	1.2	1.5	2.1	2.9	3.5
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: P366985  
 CATALOG NUMBER: MSA-SA1C-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: P366985  
 CATALOG NUMBER: MSA-SA1C-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2
2.5°	396.7	408.1	419.5	430.9	442.3	456.4	470.5	472.6	474.6	472.1	469.9
5°	410.0	415.6	421.0	426.5	431.9	448.1	464.1	464.3	464.3	464.5	464.5
7.5°	325.0	329.8	334.5	339.1	343.9	354.4	365.0	368.9	372.7	371.8	371.0
10°	235.9	242.1	248.1	254.3	260.3	270.1	279.8	283.5	287.1	298.5	310.1
12.5°	202.3	208.3	214.3	220.1	226.1	236.1	246.0	253.3	260.3	267.4	274.4
15°	164.8	169.5	174.5	179.3	184.0	188.6	193.2	202.1	210.8	217.8	224.9
17.5°	125.4	127.5	129.3	131.4	133.3	135.3	137.4	141.1	144.7	150.9	156.9
20°	92.0	93.7	95.3	96.8	98.5	100.5	102.6	105.3	107.8	109.2	110.5
22.5°	75.2	77.7	80.2	82.5	85.0	86.4	87.9	88.7	89.5	90.2	90.8
25°	67.8	70.1	72.1	74.4	76.5	77.1	77.7	79.4	81.0	81.0	81.0
27.5°	59.3	62.4	65.7	68.8	71.9	72.7	73.4	74.0	74.4	73.6	72.5
30°	56.0	59.1	62.2	65.1	68.2	69.4	70.5	71.1	71.7	70.7	69.6
32.5°	54.5	57.4	60.1	63.0	65.7	67.4	68.8	70.5	71.9	72.1	72.5
35°	47.5	49.3	51.4	53.3	55.1	56.0	56.8	57.4	57.8	57.8	57.8
37.5°	40.6	43.1	45.8	48.3	50.8	52.6	54.5	54.7	54.7	55.1	55.8
40°	39.4	41.9	44.4	46.6	49.1	51.2	53.1	53.3	53.5	53.9	54.3
42.5°	37.7	40.4	43.1	45.8	48.5	50.6	52.4	52.4	52.2	52.9	53.3
45°	36.1	38.8	41.2	43.9	46.4	49.1	51.6	51.0	50.2	51.2	52.0
47.5°	33.8	36.7	39.6	42.3	45.2	47.7	50.0	49.5	48.9	50.0	51.0
50°	31.5	34.4	37.3	40.2	43.1	45.8	48.3	47.9	47.5	48.7	49.7
52.5°	29.2	32.1	35.2	38.1	41.0	43.3	45.4	45.2	45.0	46.2	47.7
55°	26.9	29.6	32.5	35.2	37.9	40.4	42.7	42.3	41.9	42.9	43.9
57.5°	24.5	27.2	29.6	32.3	34.8	36.9	38.8	38.1	37.5	38.8	40.0
60°	21.8	24.2	26.7	29.0	31.5	33.2	34.6	34.2	33.6	34.8	36.1
62.5°	19.3	21.6	23.8	25.9	28.2	29.4	30.7	30.3	29.8	31.1	32.5
65°	17.4	19.3	20.9	22.8	24.5	25.7	26.9	26.3	25.7	27.2	28.4
67.5°	15.5	17.0	18.7	20.1	21.6	22.6	23.6	23.2	22.6	23.6	24.7
70°	13.3	14.7	16.2	17.4	18.9	19.9	20.9	20.3	19.5	20.5	21.6
72.5°	11.2	12.4	13.7	14.7	16.0	16.8	17.6	17.0	16.4	17.2	18.0
75°	9.7	10.8	11.8	12.6	13.7	14.1	14.5	14.3	13.9	14.7	15.3
77.5°	7.9	8.7	9.7	10.6	11.4	11.4	11.4	11.6	11.6	12.4	13.5
80°	4.1	5.0	5.8	6.4	7.3	7.3	7.0	7.5	7.7	8.7	9.7
82.5°	0.0	0.6	1.2	1.9	2.5	2.3	1.9	2.1	2.1	2.5	2.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4
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: P366985  
 CATALOG NUMBER: MSA-SA1C-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: P366985  
 CATALOG NUMBER: MSA-SA1C-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°	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2
2.5°	467.4	464.9	463.2	461.8	460.1	458.5	460.5	462.6	464.5	466.6	472.8
5°	464.7	464.7	463.2	461.8	460.3	458.9	462.0	464.9	468.0	470.9	470.7
7.5°	370.0	369.1	377.8	386.3	395.0	403.5	405.8	408.1	410.2	412.5	411.8
10°	321.5	332.9	336.6	340.3	344.1	347.8	352.3	356.9	361.5	366.0	367.7
12.5°	281.5	288.5	300.5	312.3	324.4	336.2	342.2	348.4	354.4	360.4	372.2
15°	231.9	239.0	249.3	259.7	270.1	280.4	290.0	299.7	309.2	318.8	333.1
17.5°	163.1	169.1	177.0	184.9	192.5	200.4	215.1	229.9	244.6	259.3	274.4
20°	111.9	113.2	116.9	120.8	124.6	128.3	141.6	155.0	168.3	181.6	201.5
22.5°	91.2	91.8	93.7	95.5	97.2	99.1	105.9	113.0	119.8	126.6	142.8
25°	80.8	80.8	82.1	83.3	84.6	85.8	89.5	93.3	96.8	100.5	110.9
27.5°	71.7	70.7	72.5	74.4	76.3	78.1	80.8	83.7	86.4	89.1	96.2
30°	68.6	67.6	69.8	72.1	74.4	76.7	79.4	82.1	84.6	87.3	92.0
32.5°	72.7	73.0	73.8	74.6	75.2	76.1	77.3	78.8	80.0	81.2	85.4
35°	57.8	57.8	59.3	60.7	62.0	63.4	65.7	68.0	70.3	72.5	76.9
37.5°	56.2	56.6	57.8	59.3	60.5	61.8	64.7	67.8	70.7	73.6	77.1
40°	54.5	54.9	56.6	58.2	59.9	61.6	64.5	67.2	70.1	72.7	76.1
42.5°	53.9	54.3	56.4	58.7	60.7	62.8	65.3	67.8	70.1	72.5	77.1
45°	53.1	53.9	56.4	59.1	61.6	64.0	66.3	68.6	70.9	73.2	78.8
47.5°	51.8	52.9	55.8	58.4	61.3	64.0	68.4	73.0	77.3	81.7	84.4
50°	51.0	52.0	55.1	58.2	61.3	64.5	71.5	78.6	85.4	92.4	91.0
52.5°	48.9	50.2	54.1	58.0	62.0	65.9	72.1	78.3	84.6	90.8	87.9
55°	45.0	46.0	50.6	55.1	59.5	64.0	68.6	73.2	77.5	82.1	78.8
57.5°	41.0	42.3	46.6	51.0	55.1	59.5	61.8	64.0	66.3	68.6	67.4
60°	37.3	38.6	44.4	50.2	56.0	61.8	59.7	57.6	55.3	53.3	54.7
62.5°	33.8	35.0	40.6	46.0	51.6	57.0	54.1	51.2	48.3	45.4	47.7
65°	29.8	31.1	33.2	35.4	37.5	39.6	39.4	39.0	38.8	38.3	40.8
67.5°	25.7	26.7	27.8	29.0	30.1	31.1	31.7	32.5	33.2	33.8	35.9
70°	22.4	23.4	24.7	25.7	26.9	28.0	28.4	28.8	29.0	29.4	31.3
72.5°	18.7	19.5	21.1	22.8	24.2	25.9	26.1	26.1	26.3	26.3	27.8
75°	16.2	16.8	18.0	19.3	20.3	21.6	22.2	22.8	23.2	23.8	24.7
77.5°	14.3	15.1	15.5	15.8	16.2	16.4	16.8	17.2	17.6	18.0	18.2
80°	10.6	11.6	12.0	12.2	12.6	12.9	12.9	12.6	12.6	12.4	12.6
82.5°	3.3	3.7	4.4	5.0	5.6	6.2	6.4	6.6	6.6	6.8	6.6
85°	0.6	0.8	1.2	1.7	1.9	2.3	2.1	1.7	1.5	1.0	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366985  
 CATALOG NUMBER: MSA-SA1C-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: P366985  
 CATALOG NUMBER: MSA-SA1C-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2
2.5°	479.0	485.0	491.2	488.7	486.2	483.8	481.3	481.7	482.3	482.7	483.1
5°	470.5	470.1	469.9	476.9	484.2	491.2	498.3	505.9	513.8	521.5	529.1
7.5°	411.2	410.4	409.8	418.9	428.0	437.1	446.2	456.8	467.6	478.2	488.7
10°	369.3	371.0	372.7	376.4	380.3	384.1	387.8	397.9	408.1	418.1	428.2
12.5°	384.1	395.7	407.5	409.8	411.8	414.1	416.2	417.6	419.1	420.5	422.0
15°	347.6	361.9	376.2	382.2	388.0	394.0	399.8	415.1	430.3	445.6	460.7
17.5°	289.5	304.5	319.6	337.6	355.7	373.7	391.7	408.3	424.9	441.5	458.1
20°	221.6	241.5	261.4	284.2	307.2	330.0	352.8	369.3	385.7	402.3	418.7
22.5°	159.2	175.3	191.5	219.1	246.4	274.0	301.4	330.2	359.2	388.0	416.8
25°	121.2	131.4	141.8	168.9	196.1	223.0	250.2	289.8	329.3	368.9	408.5
27.5°	103.0	110.1	116.9	141.4	165.8	190.1	214.5	261.6	308.6	355.7	402.7
30°	97.0	101.8	106.5	127.3	148.2	168.9	189.6	237.3	285.0	332.7	380.3
32.5°	89.5	93.5	97.6	115.9	134.1	152.1	170.4	217.0	263.6	310.1	356.7
35°	81.0	85.4	89.5	107.8	126.0	144.0	162.3	210.6	258.9	307.2	355.5
37.5°	80.4	83.9	87.3	108.4	129.7	150.9	172.0	220.3	268.6	316.7	365.0
40°	79.6	82.9	86.2	107.8	129.1	150.7	172.0	222.6	273.2	323.7	374.3
42.5°	81.7	86.0	90.6	109.6	128.7	147.6	166.6	219.9	273.2	326.2	379.5
45°	84.6	90.2	95.8	113.2	130.6	148.0	165.4	223.2	281.0	338.7	396.5
47.5°	87.3	90.0	92.6	109.2	125.6	142.2	158.6	217.6	276.7	335.8	394.8
50°	89.7	88.3	86.8	105.1	123.3	141.4	159.6	216.0	272.1	328.5	384.7
52.5°	84.8	81.9	78.8	98.2	117.7	137.0	156.5	213.3	270.1	326.9	383.6
55°	75.4	72.1	68.8	88.1	107.2	126.4	145.5	202.1	258.7	315.2	371.8
57.5°	65.9	64.7	63.2	77.9	92.6	107.2	121.9	184.7	247.7	310.5	373.3
60°	56.2	57.4	58.9	69.4	80.0	90.4	100.9	162.5	223.8	285.4	346.8
62.5°	49.7	52.0	54.1	63.0	72.1	81.0	90.0	148.0	206.0	264.1	322.1
65°	43.5	46.0	48.5	59.1	69.8	80.4	91.0	140.1	189.2	238.4	287.5
67.5°	37.9	39.8	41.9	55.8	69.6	83.5	97.4	137.6	177.6	217.8	257.8
70°	33.2	34.8	36.7	52.9	69.0	85.2	101.4	135.6	170.0	204.2	238.4
72.5°	29.2	30.7	32.1	48.5	64.9	81.2	97.6	128.1	158.3	188.8	219.1
75°	25.5	26.1	26.9	40.8	54.5	68.4	82.1	102.4	122.9	143.2	163.5
77.5°	18.4	18.4	18.7	22.8	26.7	30.9	34.8	47.5	60.1	72.5	85.2
80°	12.6	12.9	12.9	14.5	16.0	17.6	19.1	21.8	24.2	26.9	29.4
82.5°	6.4	6.0	5.8	7.5	9.1	10.8	12.4	13.1	13.5	14.1	14.5
85°	0.6	0.2	0.0	1.0	2.1	3.1	4.1	5.0	5.8	6.6	7.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366985  
 CATALOG NUMBER: MSA-SA1C-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: P366985

CATALOG NUMBER: MSA-SA1C-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°	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2
2.5°	481.5	479.8	478.2	476.5	486.7	497.0	507.2	517.3	546.1	565.0	562.9
5°	536.6	544.1	551.5	559.0	571.0	583.2	595.3	607.3	650.0	676.1	679.8
7.5°	500.3	511.7	523.3	534.7	558.0	581.0	604.2	627.2	662.2	689.4	704.7
10°	441.3	454.3	467.2	480.2	506.3	532.7	558.8	584.9	624.3	661.8	681.1
12.5°	442.5	463.0	483.5	504.1	526.9	549.7	572.3	595.1	619.1	631.7	658.9
15°	476.9	493.1	509.2	525.4	555.3	585.1	614.7	644.6	658.9	689.4	721.1
17.5°	489.6	521.3	552.8	584.3	621.6	658.7	696.0	733.1	760.0	802.3	835.1
20°	466.1	513.6	560.9	608.3	659.5	710.7	761.9	813.1	842.5	882.7	933.3
22.5°	467.2	517.5	567.7	618.1	688.7	759.2	829.9	900.4	979.3	1056.8	1081.5
25°	474.4	540.3	606.0	671.9	753.6	835.3	916.9	998.6	1093.9	1175.4	1208.1
27.5°	476.9	551.1	625.1	699.3	815.4	931.4	1047.5	1163.6	1277.4	1369.4	1404.4
30°	470.9	561.7	652.3	742.8	885.2	1027.6	1170.0	1312.4	1420.4	1527.5	1571.1
32.5°	472.4	588.0	703.7	819.3	987.0	1154.9	1322.5	1490.2	1559.2	1655.8	1732.5
35°	482.3	609.1	735.8	862.6	1048.1	1233.6	1419.1	1604.6	1717.8	1819.8	1884.9
37.5°	505.5	646.0	786.4	926.9	1154.9	1383.1	1611.1	1839.0	2014.2	2189.3	2219.2
40°	522.7	671.1	819.5	967.9	1232.6	1497.3	1761.9	2026.6	2224.8	2414.8	2435.1
42.5°	542.2	704.7	867.4	1029.9	1325.9	1621.8	1917.8	2213.8	2443.2	2637.0	2650.5
45°	563.5	730.8	897.9	1064.9	1375.0	1684.8	1994.9	2304.8	2572.8	2797.8	2747.1
47.5°	573.7	752.6	931.4	1110.3	1442.8	1775.0	2107.5	2439.7	2680.1	2878.7	2819.4
50°	581.6	778.3	975.2	1171.9	1520.5	1869.1	2217.7	2566.3	2807.4	2990.6	2897.8
52.5°	603.8	823.7	1043.8	1263.7	1634.5	2005.1	2375.9	2746.4	2979.6	3147.9	3017.8
55°	625.3	878.6	1132.1	1385.3	1784.1	2183.1	2581.9	2980.7	3212.8	3357.0	3180.3
57.5°	652.5	931.9	1211.0	1490.2	1916.8	2343.3	2769.7	3196.2	3423.2	3582.5	3398.9
60°	645.4	943.9	1242.5	1541.0	1975.4	2409.9	2844.3	3278.7	3548.4	3744.2	3619.6
62.5°	618.1	914.0	1209.8	1505.8	1932.5	2359.1	2785.8	3212.4	3535.5	3800.8	3758.9
65°	562.7	837.8	1113.0	1388.0	1795.5	2203.2	2610.7	3018.2	3416.9	3754.6	3769.5
67.5°	490.0	722.1	954.0	1186.2	1566.3	1946.4	2326.3	2706.4	3177.1	3570.9	3615.3
70°	412.9	587.2	761.7	936.0	1270.5	1605.0	1939.4	2273.9	2763.2	3159.5	3243.3
72.5°	331.0	443.1	555.1	667.0	908.4	1149.7	1391.2	1632.4	2062.9	2370.5	2516.6
75°	214.5	265.5	316.5	367.5	528.3	688.9	849.8	1010.4	1296.2	1522.8	1688.0
77.5°	95.5	105.9	116.1	126.4	250.6	374.7	498.9	623.0	747.2	884.0	922.7
80°	34.2	38.8	43.5	48.1	109.0	170.2	231.1	292.0	352.1	422.8	440.0
82.5°	14.3	14.3	14.1	13.9	35.6	57.4	79.2	100.9	116.7	134.1	137.4
85°	5.8	4.4	2.7	1.0	4.6	8.3	11.8	15.3	24.7	22.4	41.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366985  
 CATALOG NUMBER: MSA-SA1C-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: P366985

CATALOG NUMBER: MSA-SA1C-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2
2.5°	555.1	554.6	554.2	553.8	553.4	545.9	538.7	531.2	524.0	533.1	542.2
5°	673.8	684.6	695.4	706.4	717.1	720.2	723.3	726.5	729.6	736.2	742.8
7.5°	717.5	735.8	753.8	772.1	790.1	806.9	823.5	840.2	857.0	852.9	848.7
10°	702.4	735.4	768.3	801.5	834.4	841.7	849.0	856.4	863.7	882.5	901.4
12.5°	686.0	725.6	765.2	804.8	844.4	866.4	888.1	910.1	932.1	951.1	970.2
15°	763.8	789.1	814.3	839.8	865.1	884.4	903.5	922.7	941.8	955.1	968.1
17.5°	865.9	878.4	890.8	903.5	915.9	931.0	946.2	961.3	976.4	984.3	992.2
20°	973.9	979.3	984.7	990.1	995.5	983.5	971.4	959.4	947.4	954.9	962.1
22.5°	1082.3	1084.2	1086.3	1088.1	1090.0	1062.0	1034.0	1006.1	978.1	966.3	954.4
25°	1249.2	1235.5	1221.8	1208.1	1194.5	1161.3	1128.1	1095.0	1061.8	1032.6	1003.4
27.5°	1429.9	1383.5	1337.3	1290.8	1244.6	1211.5	1178.3	1145.1	1112.0	1068.0	1024.1
30°	1612.1	1537.3	1462.7	1387.8	1313.2	1273.8	1234.5	1194.9	1155.5	1111.6	1067.8
32.5°	1779.1	1689.2	1599.2	1509.1	1419.1	1352.8	1286.5	1220.2	1153.8	1123.2	1092.5
35°	1917.6	1811.3	1704.9	1598.4	1492.1	1426.4	1360.7	1295.0	1229.3	1183.7	1138.3
37.5°	2154.3	2034.7	1915.1	1795.5	1675.9	1586.2	1496.6	1406.9	1317.2	1286.7	1256.2
40°	2372.5	2221.9	2071.2	1920.5	1769.8	1694.6	1619.6	1544.3	1469.3	1419.3	1369.6
42.5°	2546.0	2387.3	2228.7	2069.9	1911.2	1836.8	1762.6	1688.2	1613.8	1580.4	1547.2
45°	2583.5	2433.9	2284.5	2134.8	1985.2	1941.9	1898.7	1855.4	1812.3	1789.3	1766.5
47.5°	2657.5	2495.2	2333.2	2170.9	2008.6	1989.1	1969.6	1949.9	1930.5	1941.4	1952.4
50°	2699.0	2533.4	2367.8	2202.2	2036.6	2042.2	2047.6	2053.2	2058.7	2136.7	2214.4
52.5°	2779.4	2612.1	2444.9	2277.6	2110.4	2145.6	2180.6	2215.9	2250.9	2358.2	2465.4
55°	2923.0	2758.7	2594.3	2429.8	2265.4	2311.8	2358.2	2404.9	2451.3	2565.3	2679.1
57.5°	3135.9	2972.8	2809.9	2646.8	2483.8	2530.1	2576.3	2622.5	2668.7	2771.7	2874.5
60°	3403.9	3236.4	3069.2	2901.7	2734.4	2751.8	2769.0	2786.5	2803.9	2914.5	3025.0
62.5°	3612.6	3458.6	3304.8	3150.8	2997.0	2977.8	2958.7	2939.4	2920.3	3004.5	3088.4
65°	3661.1	3552.7	3444.5	3336.1	3227.7	3168.4	3109.4	3050.1	2990.8	3024.8	3058.8
67.5°	3522.2	3449.1	3376.1	3303.0	3229.8	3106.1	2982.3	2858.4	2734.6	2716.6	2698.6
70°	3199.9	3159.9	3120.1	3080.1	3040.3	2849.7	2659.2	2468.5	2278.0	2232.2	2186.4
72.5°	2525.1	2550.0	2574.8	2599.9	2624.8	2420.6	2216.7	2012.5	1808.4	1750.3	1692.5
75°	1780.6	1865.0	1949.3	2033.7	2118.0	1931.9	1746.0	1559.9	1373.7	1318.0	1262.4
77.5°	965.4	1123.6	1281.7	1439.9	1598.0	1444.4	1291.0	1137.5	983.9	945.1	906.6
80°	457.6	548.8	639.8	731.0	822.2	787.6	753.0	718.2	683.6	692.1	700.6
82.5°	140.3	206.2	272.1	338.0	404.0	409.1	414.1	419.3	424.5	437.3	450.0
85°	47.0	64.5	81.9	99.3	116.7	147.4	178.0	208.9	239.6	219.7	200.0
87.5°	0.0	0.6	1.0	1.7	2.1	6.4	10.8	15.1	19.5	16.8	14.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366985  
 CATALOG NUMBER: MSA-SA1C-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: P366985

CATALOG NUMBER: MSA-SA1C-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°	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2
2.5°	551.5	560.6	560.9	561.3	561.5	561.7	562.7	563.8	565.0	566.0	559.2
5°	749.7	756.3	744.1	731.8	719.4	707.2	718.2	729.2	740.1	751.1	746.4
7.5°	844.4	840.2	838.8	837.6	836.1	834.9	839.0	843.1	847.3	851.4	851.0
10°	920.2	939.1	943.7	948.2	953.0	957.6	948.0	938.5	929.0	919.4	915.5
12.5°	989.3	1008.3	1023.5	1038.6	1053.9	1069.1	1055.4	1041.9	1028.2	1014.8	1001.9
15°	981.4	994.5	1006.9	1019.3	1031.8	1044.2	1039.6	1035.3	1030.7	1026.2	1024.1
17.5°	1000.3	1008.1	1005.2	1002.3	999.2	996.3	994.9	993.6	992.2	990.7	985.7
20°	969.6	977.0	975.2	973.5	971.7	969.8	968.5	967.3	966.1	964.8	960.9
22.5°	942.6	930.8	927.7	924.8	921.7	918.8	919.2	919.6	919.8	920.2	938.1
25°	974.1	944.9	933.5	922.1	910.5	899.1	904.3	909.3	914.4	919.6	945.3
27.5°	979.9	936.0	917.8	899.5	881.3	863.0	881.7	900.4	919.0	937.7	979.3
30°	1023.9	980.1	954.7	929.4	903.9	878.6	902.4	926.3	950.1	973.9	1019.1
32.5°	1061.6	1030.9	1012.7	994.5	976.2	958.0	959.0	959.8	960.9	961.9	1025.5
35°	1092.7	1047.3	1030.7	1014.3	997.8	981.4	1006.1	1030.7	1055.4	1080.1	1137.3
37.5°	1225.8	1195.3	1164.8	1134.6	1104.1	1073.8	1093.5	1113.2	1133.1	1152.8	1216.0
40°	1319.6	1269.9	1262.0	1254.4	1246.5	1238.8	1249.0	1258.9	1269.1	1279.2	1334.6
42.5°	1513.9	1480.5	1459.1	1438.0	1416.6	1395.5	1403.6	1411.7	1420.0	1428.0	1480.5
45°	1743.5	1720.5	1706.4	1692.3	1678.0	1663.9	1651.7	1639.7	1627.4	1615.4	1668.7
47.5°	1963.4	1974.4	2005.5	2036.4	2067.5	2098.3	2073.0	2047.8	2022.3	1997.0	1997.2
50°	2292.3	2370.1	2385.8	2401.4	2417.1	2432.7	2378.8	2324.9	2270.8	2216.9	2210.5
52.5°	2572.8	2679.9	2685.5	2691.1	2696.9	2702.5	2680.7	2659.0	2637.0	2615.3	2557.4
55°	2793.1	2906.9	2914.5	2922.0	2929.7	2937.1	2918.1	2899.2	2880.1	2861.1	2802.6
57.5°	2977.5	3080.4	3084.9	3089.3	3093.8	3098.4	3099.8	3101.3	3102.9	3104.4	3025.4
60°	3135.7	3246.4	3237.2	3228.3	3219.2	3210.3	3196.6	3182.9	3169.3	3155.6	3104.6
62.5°	3172.6	3256.7	3242.6	3228.8	3214.7	3200.8	3189.2	3177.8	3166.2	3154.6	3122.0
65°	3092.8	3126.8	3112.3	3097.8	3083.0	3068.5	3061.1	3053.8	3046.4	3038.9	3034.8
67.5°	2680.3	2662.3	2679.5	2696.7	2713.9	2731.1	2754.5	2778.0	2801.6	2825.0	2811.3
70°	2140.4	2094.6	2113.7	2132.5	2151.6	2170.5	2205.9	2241.3	2277.0	2312.4	2302.9
72.5°	1634.5	1576.4	1579.1	1581.8	1584.7	1587.4	1586.4	1585.6	1584.5	1583.5	1600.1
75°	1206.7	1150.9	1124.6	1098.3	1072.0	1045.6	1039.2	1032.8	1026.4	1019.9	1050.8
77.5°	867.8	829.3	811.2	793.4	775.4	757.5	766.7	775.8	785.1	794.2	805.0
80°	709.3	717.8	703.9	690.2	676.3	662.4	672.8	682.9	693.3	703.7	671.5
82.5°	462.8	475.5	432.8	390.1	347.4	304.7	330.6	356.5	382.6	408.5	395.3
85°	180.1	160.4	136.8	113.4	89.7	66.1	86.0	105.9	125.8	145.7	159.0
87.5°	11.6	9.1	7.3	5.4	3.3	1.5	3.1	4.8	6.6	8.3	13.9
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: P366985  
 CATALOG NUMBER: MSA-SA1C-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: P366985

CATALOG NUMBER: MSA-SA1C-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2
2.5°	552.6	545.7	539.1	526.0	513.0	499.9	486.9	505.1	523.3	541.6	559.8
5°	741.8	737.0	732.5	733.7	735.0	736.4	737.7	740.3	743.0	745.5	748.2
7.5°	850.8	850.4	850.0	840.5	830.9	821.2	811.6	816.4	821.2	825.9	830.7
10°	911.8	907.8	903.9	882.9	862.0	840.9	819.9	810.8	801.5	792.4	783.2
12.5°	989.1	976.0	963.2	940.8	918.6	896.2	873.8	865.5	857.0	848.7	840.2
15°	1022.2	1020.2	1018.3	1002.3	986.2	970.2	954.0	925.6	897.0	868.6	840.2
17.5°	980.8	975.6	970.6	995.9	1021.0	1046.3	1071.6	1042.1	1012.7	983.3	953.8
20°	956.9	953.0	949.1	996.1	1042.9	1090.0	1136.8	1123.8	1110.5	1097.5	1084.4
22.5°	955.9	973.9	991.8	1033.0	1074.0	1115.3	1156.3	1178.9	1201.7	1224.3	1246.9
25°	971.0	996.9	1022.6	1091.0	1159.4	1228.0	1296.4	1322.3	1348.0	1373.9	1399.7
27.5°	1020.8	1062.4	1103.9	1163.6	1223.3	1283.2	1342.9	1399.4	1456.2	1512.8	1569.4
30°	1064.1	1109.3	1154.5	1225.5	1296.4	1367.5	1438.4	1509.3	1580.2	1651.1	1721.9
32.5°	1089.2	1153.0	1216.6	1303.1	1389.3	1475.7	1562.1	1639.9	1717.6	1795.1	1872.8
35°	1194.5	1251.9	1309.1	1404.6	1500.2	1595.9	1691.5	1787.6	1883.8	1979.8	2076.0
37.5°	1279.2	1342.7	1405.9	1510.3	1614.6	1719.0	1823.5	1956.4	2089.4	2222.3	2355.1
40°	1389.9	1445.2	1500.6	1598.4	1696.0	1793.9	1891.7	2060.2	2228.7	2397.0	2565.5
42.5°	1532.7	1585.2	1637.6	1742.3	1846.9	1951.6	2056.3	2242.8	2429.3	2615.7	2802.2
45°	1721.9	1775.4	1828.7	1912.0	1995.3	2078.6	2162.0	2360.3	2558.5	2756.8	2955.0
47.5°	1997.4	1997.6	1997.8	2057.9	2118.0	2178.3	2238.4	2438.2	2637.8	2837.6	3037.2
50°	2204.0	2197.4	2191.0	2222.1	2253.0	2284.0	2315.1	2499.0	2683.0	2866.9	3050.7
52.5°	2499.8	2442.0	2384.4	2402.8	2421.0	2439.5	2457.7	2613.4	2769.2	2924.9	3080.6
55°	2744.4	2685.9	2627.5	2620.6	2613.8	2607.0	2600.1	2743.3	2886.6	3029.8	3173.0
57.5°	2946.7	2867.7	2788.9	2773.2	2757.6	2741.9	2726.1	2877.2	3028.1	3179.2	3330.1
60°	3053.8	3002.8	2951.8	2941.7	2931.3	2921.2	2910.8	3034.8	3158.7	3282.6	3406.6
62.5°	3089.7	3057.1	3024.8	3043.9	3062.9	3082.2	3101.3	3155.8	3210.1	3264.6	3318.9
65°	3030.8	3026.7	3022.5	3061.7	3100.7	3139.8	3179.0	3165.5	3151.9	3138.4	3124.9
67.5°	2797.8	2784.2	2770.7	2856.7	2942.5	3028.5	3114.5	3049.3	2983.8	2918.5	2853.2
70°	2293.4	2283.6	2274.1	2398.0	2522.0	2646.1	2770.1	2690.9	2611.7	2532.6	2453.4
72.5°	1616.4	1633.0	1649.6	1795.7	1941.6	2087.8	2233.7	2153.9	2074.1	1994.3	1914.5
75°	1081.5	1112.4	1143.3	1293.7	1444.2	1594.9	1745.4	1651.7	1558.0	1464.3	1370.6
77.5°	815.8	826.6	837.3	932.5	1027.6	1123.0	1218.1	1140.8	1063.3	986.0	908.4
80°	639.4	607.1	574.9	606.2	637.5	668.8	700.1	653.9	607.7	561.7	515.5
82.5°	382.0	368.7	355.5	372.5	389.2	406.2	423.2	403.3	383.2	363.3	343.2
85°	172.0	185.3	198.4	215.6	232.5	249.8	267.0	239.2	211.4	183.6	155.9
87.5°	19.3	24.9	30.5	37.7	45.0	52.2	59.5	46.4	33.2	20.1	7.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

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





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**CANDELA DISTRIBUTION (continued):**

	357.5°	360°
0°	438.2	438.2
2.5°	570.4	581.0
5°	748.0	747.6
7.5°	818.3	805.6
10°	771.6	760.0
12.5°	810.6	781.0
15°	817.9	795.5
17.5°	917.3	880.7
20°	1037.4	990.1
22.5°	1182.2	1117.4
25°	1322.5	1245.4
27.5°	1523.2	1476.8
30°	1675.1	1628.1
32.5°	1840.9	1809.0
35°	2044.2	2012.3
37.5°	2363.4	2371.5
40°	2570.5	2575.5
42.5°	2821.5	2840.8
45°	2976.5	2998.1
47.5°	3067.3	3097.3
50°	3099.2	3147.7
52.5°	3140.5	3200.1
55°	3239.5	3306.1
57.5°	3383.2	3436.2
60°	3409.1	3411.6
62.5°	3280.6	3242.2
65°	3084.1	3043.2
67.5°	2828.5	2803.7
70°	2420.6	2387.9
72.5°	1853.6	1792.6
75°	1295.2	1219.7
77.5°	868.8	829.3
80°	516.7	517.7
82.5°	352.8	362.1
85°	154.0	151.9
87.5°	5.0	2.7
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0

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**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)