

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: P366853

Luminaire Tested: **MSA-SA1B-830-U-SLR-HSS**

Issue Date: 12/2/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P366853  
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-SA1B-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**

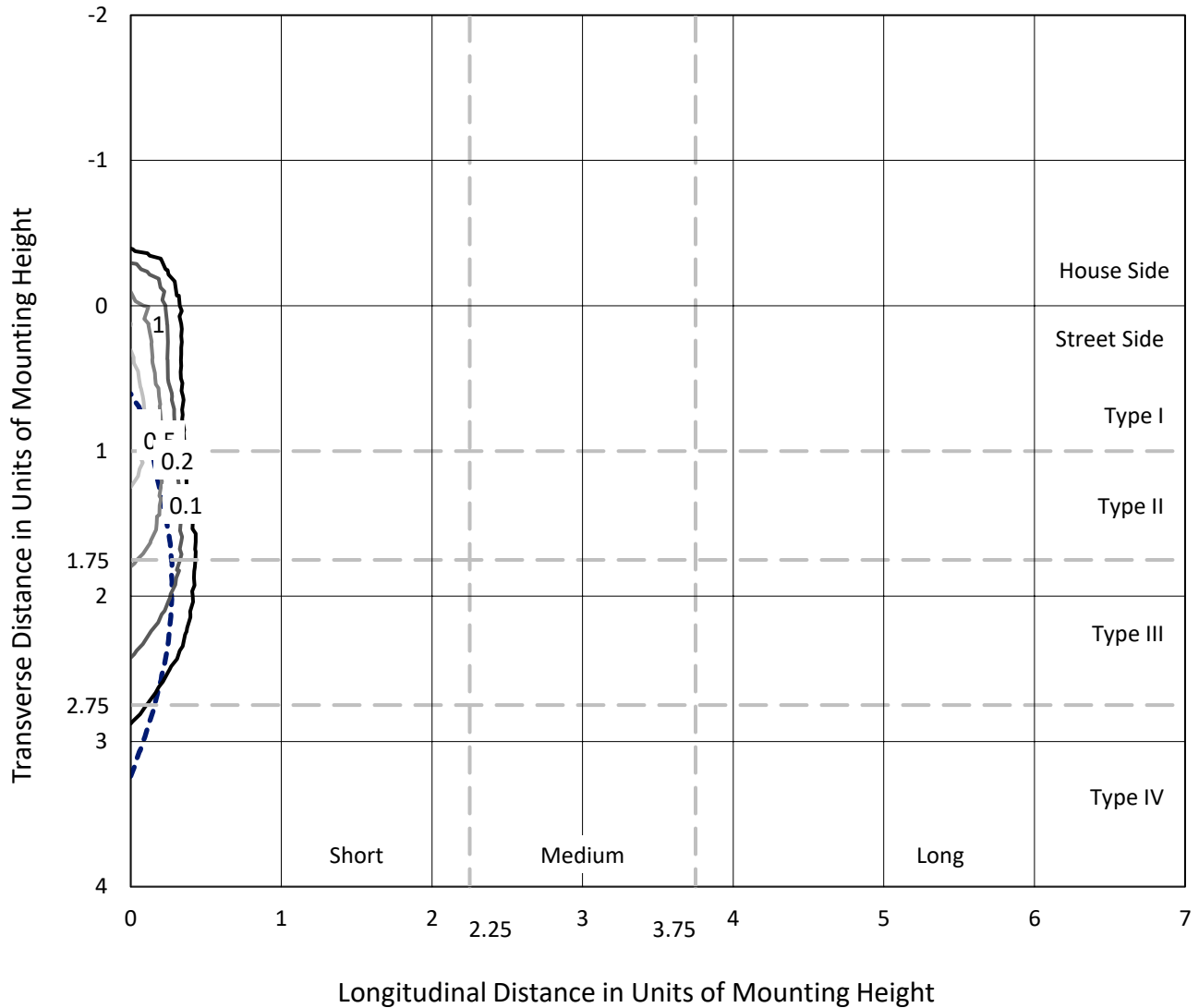
Lumens per Lamp: N/A  
Luminaire Lumens: 2936 lumens  
Efficiency: N/A  
Efficacy: 66.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

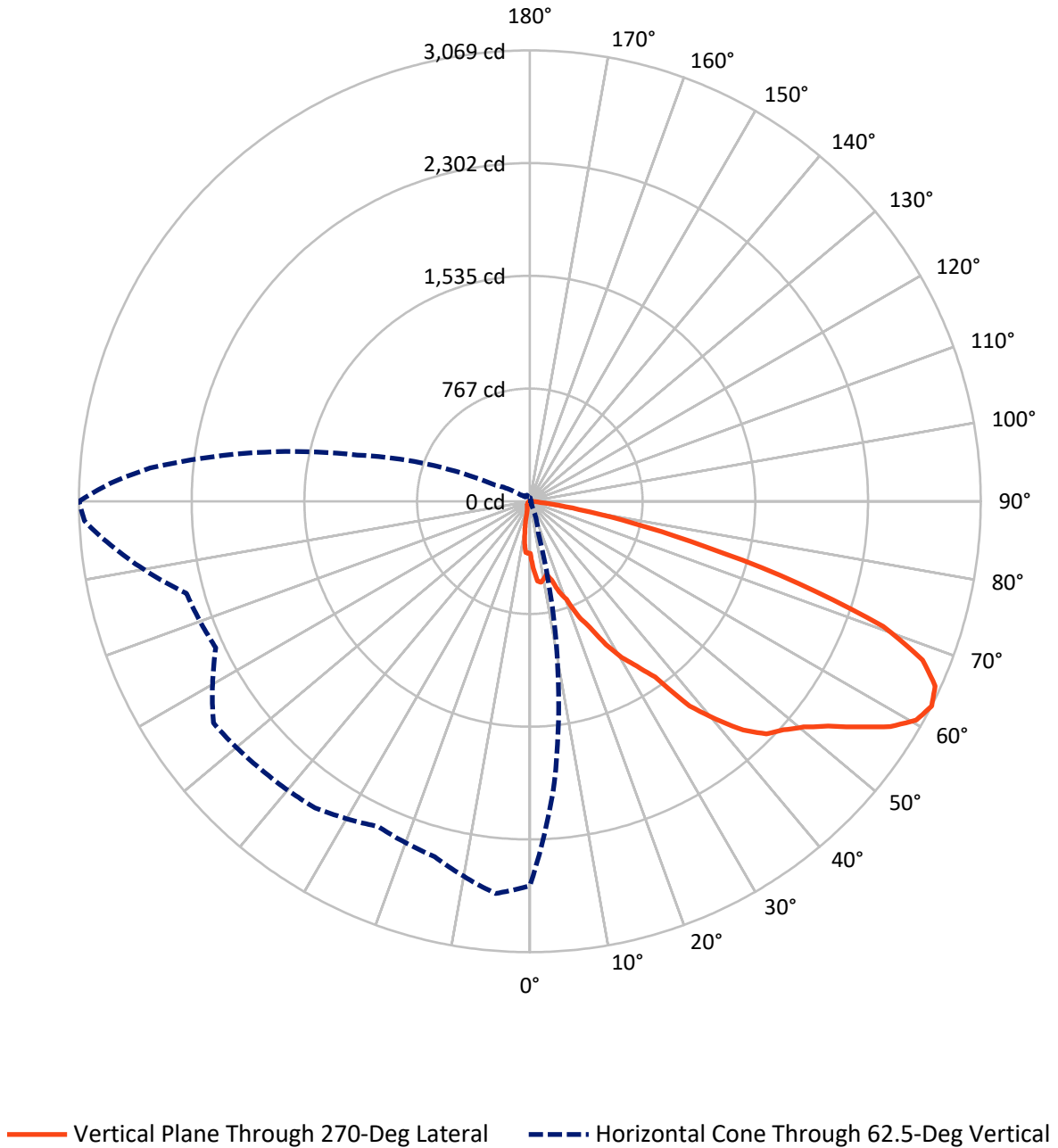
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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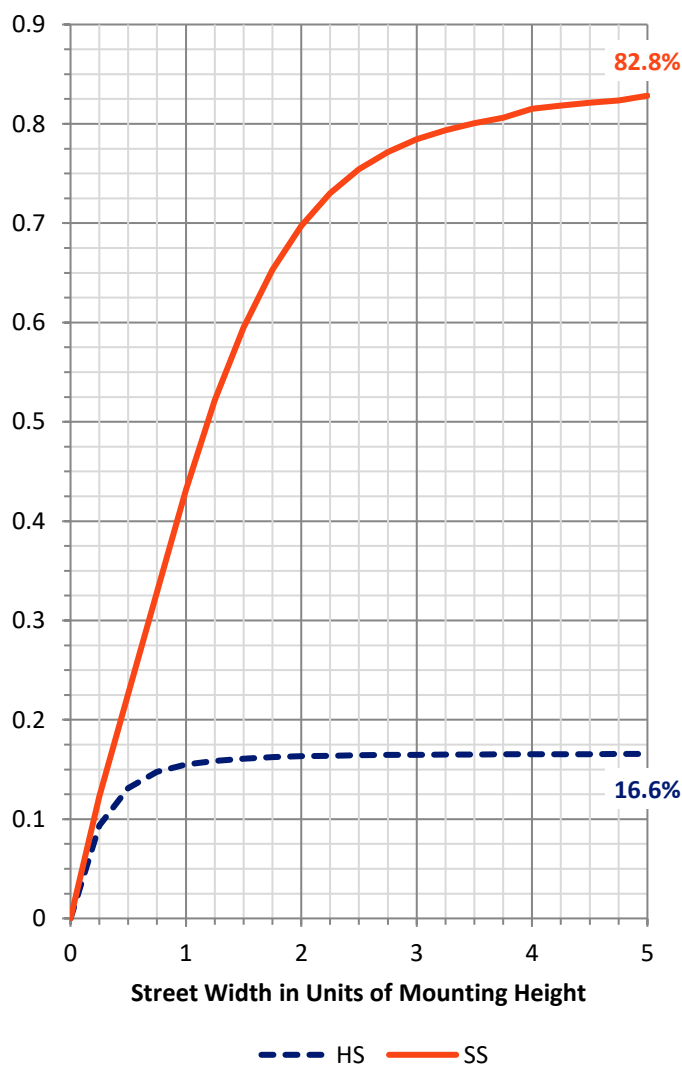
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	490.3	0.0	490.3
	% Fixture	16.7	0.0	16.7
<b>Street Side</b>	Lumens	2445.7	0.0	2445.7
	% Fixture	83.3	0.0	83.3
<b>Total</b>	Lumens	2936.0	0.0	2936.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.5	1.3
10°-20°	103.3	3.5
20°-30°	166.9	5.7
30°-40°	279.5	9.5
40°-50°	457.0	15.6
50°-60°	676.5	23.0
60°-70°	776.6	26.5
70°-80°	384.0	13.1
80°-90°	52.7	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°	2936.0	100.0
0°-180°	2936.0	100.0

**Coefficient of Utilization**

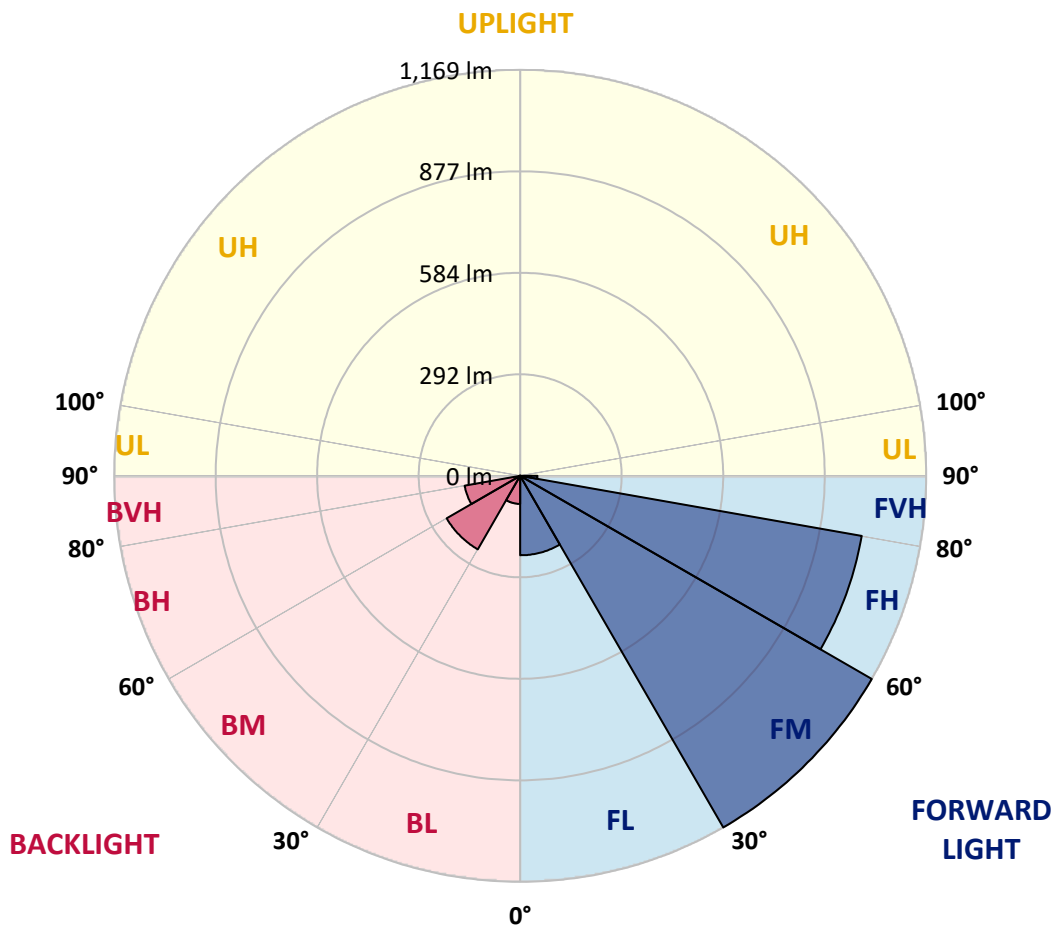


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	228.7	7.8			
FM (30°-60°)	1168.7	39.8			
FH (60°-80°)	998.4	34.0			G1/1800
FVH (80°-90°)	49.9	1.7			G1/100
BL (0°-30°)	81.0	2.8	B0/110		
BM (30°-60°)	244.3	8.3	B1/1000		
BH (60°-80°)	162.2	5.5	B1/500		G1/500
BVH (80°-90°)	2.8	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°	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8
2.5°	469.1	475.0	480.7	469.8	458.9	448.0	437.1	427.4	417.7	407.9	398.2
5°	603.7	593.0	582.2	567.5	552.8	538.1	523.3	516.5	509.6	502.8	495.9
7.5°	650.5	631.5	612.2	599.2	586.3	573.2	560.2	539.6	518.8	498.2	477.5
10°	613.7	593.5	573.0	561.7	550.3	538.9	527.5	501.9	476.1	450.5	424.8
12.5°	630.6	608.7	586.8	563.3	539.9	516.5	493.0	473.5	453.7	434.1	414.4
15°	642.3	617.2	592.0	565.2	538.4	511.6	484.8	461.7	438.8	415.7	392.6
17.5°	711.1	675.1	639.2	598.0	556.8	515.6	474.5	447.7	421.1	394.3	367.5
20°	799.5	748.4	697.2	641.5	585.8	530.0	474.3	441.0	407.7	374.4	341.1
22.5°	902.2	838.5	774.5	705.8	637.1	568.4	499.6	451.7	403.8	356.0	308.1
25°	1005.7	948.1	890.5	798.0	705.4	612.7	520.2	459.4	398.5	337.7	276.8
27.5°	1192.4	1089.5	986.6	868.8	751.1	633.3	515.5	445.9	376.2	306.4	236.8
30°	1314.6	1235.5	1156.1	1000.5	845.0	689.4	533.7	445.5	357.3	268.9	180.8
32.5°	1460.7	1344.9	1228.9	1060.1	891.2	722.3	553.5	449.9	346.1	242.5	138.7
35°	1624.9	1498.9	1372.9	1159.0	945.1	731.0	517.1	416.7	316.3	215.9	115.5
37.5°	1914.9	1704.1	1493.2	1243.8	994.3	744.9	495.4	395.1	294.7	194.5	94.1
40°	2079.6	1878.3	1677.0	1365.3	1053.7	742.1	430.5	341.4	252.5	163.5	74.5
42.5°	2293.9	2038.5	1782.9	1434.6	1086.3	738.1	389.8	307.4	225.1	142.6	60.3
45°	2420.9	2131.5	1842.1	1464.7	1087.3	709.9	332.5	261.3	190.0	118.7	47.4
47.5°	2501.0	2210.8	1920.6	1515.5	1110.4	705.3	300.1	234.5	168.9	103.3	37.7
50°	2541.7	2250.7	1959.5	1543.1	1126.7	710.1	293.7	228.4	163.0	97.7	32.3
52.5°	2584.1	2303.4	2022.6	1590.9	1159.3	727.7	296.1	229.5	163.0	96.4	29.8
55°	2669.6	2392.8	2115.8	1659.6	1203.3	747.1	290.9	225.3	159.7	93.9	28.3
57.5°	2774.7	2478.8	2182.7	1709.8	1236.8	763.8	290.9	224.9	159.0	92.9	26.9
60°	2754.8	2433.6	2112.3	1653.4	1194.5	735.4	276.5	213.7	151.1	88.4	25.6
62.5°	2618.0	2269.4	1920.6	1496.5	1072.3	648.2	223.9	173.9	123.8	73.6	23.6
65°	2457.4	2087.3	1717.1	1326.8	936.4	546.1	155.6	122.2	88.5	55.1	21.4
67.5°	2263.9	1869.3	1474.6	1127.5	780.6	433.5	86.4	69.6	52.9	36.0	19.2
70°	1928.2	1520.8	1113.3	846.5	579.9	313.1	46.4	39.2	32.0	24.8	17.6
72.5°	1447.5	1074.3	701.1	532.5	364.2	195.6	27.1	24.4	21.6	18.9	16.1
75°	984.9	705.3	425.6	324.0	222.6	121.0	19.4	18.1	16.6	15.2	13.7
77.5°	669.6	484.3	299.1	228.3	157.5	86.7	15.9	15.1	14.2	13.2	12.4
80°	418.1	286.2	154.3	118.8	83.2	47.7	12.1	11.5	11.0	10.4	9.9
82.5°	292.4	174.9	57.4	44.9	32.3	19.6	7.0	7.2	7.4	7.4	7.5
85°	122.7	66.3	9.9	8.4	6.9	5.4	3.8	4.2	4.7	5.0	5.4
87.5°	2.2	1.2	0.0	0.3	0.8	1.2	1.5	2.0	2.3	2.8	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	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°	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8
2.5°	400.7	403.2	405.5	408.0	406.0	404.2	402.2	400.2	397.1	394.3	391.3
5°	487.5	479.2	470.8	462.4	449.7	437.0	424.1	411.4	409.9	408.4	406.7
7.5°	457.9	438.3	418.6	399.0	380.6	362.2	343.8	325.4	319.7	314.1	308.4
10°	409.7	394.6	379.4	364.3	351.1	337.7	324.5	311.1	297.2	283.3	269.3
12.5°	398.7	382.9	367.0	351.3	339.2	327.2	315.1	303.1	287.5	272.0	256.4
15°	375.6	358.5	341.4	324.3	308.3	292.2	276.0	259.9	241.2	222.4	203.7
17.5°	347.3	327.2	306.9	286.7	265.6	244.5	223.4	202.3	180.8	159.3	137.7
20°	313.6	286.2	258.6	231.1	205.0	178.9	152.6	126.5	113.0	99.6	86.0
22.5°	272.6	237.0	201.5	165.9	144.4	122.8	101.4	79.8	74.0	68.1	62.3
25°	236.5	196.1	155.8	115.5	101.9	88.4	74.8	61.3	58.6	55.7	53.1
27.5°	198.8	161.0	123.0	85.0	77.3	69.5	61.8	53.9	52.0	50.4	48.5
30°	152.5	124.2	95.7	67.4	62.4	57.4	52.2	47.2	46.4	45.4	44.5
32.5°	118.2	97.4	76.8	56.1	53.2	50.4	47.5	44.7	43.3	42.0	40.5
35°	98.7	82.2	65.4	48.7	46.7	44.5	42.5	40.3	39.0	37.5	36.2
37.5°	81.8	69.8	57.6	45.4	43.2	41.0	38.7	36.5	35.5	34.5	33.5
40°	67.4	60.4	53.4	46.4	43.2	40.0	36.8	33.6	32.8	32.0	31.1
42.5°	55.7	51.2	46.5	42.0	39.7	37.5	35.1	32.8	31.6	30.3	29.1
45°	45.0	42.5	40.2	37.7	37.8	38.0	38.0	38.2	35.1	32.0	29.0
47.5°	36.5	35.3	34.0	32.8	34.1	35.5	36.7	38.0	34.8	31.6	28.3
50°	31.3	30.5	29.5	28.5	29.8	31.3	32.6	34.0	32.6	31.5	30.1
52.5°	28.6	27.4	26.3	25.1	25.6	26.3	26.8	27.3	27.3	27.3	27.3
55°	26.9	25.8	24.4	23.1	22.6	21.9	21.4	20.8	19.9	19.2	18.4
57.5°	25.6	24.3	22.8	21.4	20.6	19.6	18.7	17.7	16.9	15.9	15.1
60°	24.3	22.9	21.4	20.1	19.2	18.4	17.4	16.6	15.6	14.7	13.7
62.5°	22.4	21.3	20.1	18.9	18.1	17.4	16.6	15.7	14.7	13.7	12.6
65°	20.4	19.6	18.6	17.6	16.7	15.9	15.1	14.2	13.2	12.4	11.4
67.5°	18.6	17.7	17.1	16.2	15.2	14.4	13.4	12.4	11.7	11.0	10.2
70°	17.1	16.4	15.9	15.2	14.2	13.4	12.4	11.4	10.9	10.2	9.7
72.5°	15.6	15.1	14.4	13.9	13.1	12.2	11.4	10.5	10.0	9.5	9.0
75°	13.4	13.1	12.7	12.4	11.5	10.7	9.7	8.9	8.7	8.5	8.4
77.5°	12.1	11.9	11.5	11.2	10.4	9.5	8.7	7.9	8.0	8.2	8.2
80°	9.9	9.9	9.7	9.7	9.0	8.4	7.5	6.9	7.2	7.7	8.0
82.5°	7.5	7.5	7.5	7.5	6.9	6.2	5.5	4.9	5.4	5.7	6.2
85°	5.2	5.0	4.9	4.7	4.2	3.8	3.3	2.8	3.5	4.0	4.7
87.5°	3.2	3.3	3.3	3.3	3.0	2.5	2.2	1.7	2.0	2.2	2.5
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



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**CANDELA DISTRIBUTION (continued):**

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366853  
 CATALOG NUMBER: MSA-SA1B-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8
2.5°	388.3	383.3	378.2	373.0	368.0	356.3	344.6	332.9	321.2	329.9	338.4
5°	405.2	395.5	385.6	375.9	366.0	361.7	357.5	353.1	348.8	349.5	350.3
7.5°	302.8	296.4	290.0	283.5	277.2	275.8	274.6	273.3	272.0	274.8	277.5
10°	255.4	246.5	237.5	228.6	219.6	214.7	209.9	205.0	200.2	199.7	199.0
12.5°	240.8	227.3	213.9	200.3	186.8	176.2	165.7	155.1	144.6	145.4	146.3
15°	184.9	171.4	158.0	144.4	130.9	122.3	113.6	105.1	96.4	93.9	91.4
17.5°	116.1	106.1	96.1	85.9	75.8	73.0	70.3	67.4	64.6	63.8	62.9
20°	72.5	68.1	63.8	59.2	54.9	54.2	53.6	52.9	52.2	52.7	53.2
22.5°	56.4	54.6	52.6	50.7	48.7	48.0	47.4	46.7	46.0	46.5	46.9
25°	50.2	48.9	47.5	46.2	44.9	44.2	43.3	42.7	41.8	42.2	42.7
27.5°	46.7	45.5	44.4	43.2	42.0	40.8	39.8	38.7	37.5	38.2	38.7
30°	43.5	42.2	41.0	39.7	38.3	37.2	36.0	34.6	33.5	34.1	34.8
32.5°	39.2	38.0	36.7	35.5	34.1	33.5	32.8	32.0	31.3	31.8	32.1
35°	34.6	33.6	32.8	31.8	30.8	30.1	29.6	29.0	28.3	28.5	28.8
37.5°	32.5	31.3	30.1	29.0	27.8	27.4	27.1	26.6	26.3	26.3	26.3
40°	30.3	29.1	27.9	26.6	25.4	24.9	24.4	23.9	23.4	23.4	23.4
42.5°	27.8	26.6	25.4	24.3	23.1	22.6	21.9	21.4	20.8	20.8	20.8
45°	25.8	24.6	23.6	22.4	21.3	20.4	19.6	18.6	17.7	17.6	17.4
47.5°	25.1	23.4	21.8	20.1	18.4	17.6	16.7	15.7	14.9	14.7	14.6
50°	28.8	25.4	22.1	18.7	15.4	14.7	14.1	13.4	12.7	12.4	12.2
52.5°	27.3	23.8	20.3	16.7	13.2	12.7	12.2	11.7	11.2	10.9	10.5
55°	17.6	16.1	14.7	13.2	11.7	11.4	11.0	10.5	10.2	9.9	9.5
57.5°	14.1	13.2	12.6	11.7	10.9	10.5	10.2	9.7	9.4	8.9	8.5
60°	12.7	12.1	11.4	10.7	10.0	9.7	9.4	9.0	8.7	8.2	7.9
62.5°	11.5	11.0	10.5	10.0	9.5	9.2	8.9	8.5	8.2	7.7	7.2
65°	10.4	10.0	9.7	9.4	9.0	8.7	8.4	7.9	7.5	7.0	6.5
67.5°	9.5	9.4	9.2	9.0	8.9	8.5	8.0	7.7	7.2	6.7	6.0
70°	9.0	9.0	9.0	8.9	8.9	8.5	8.0	7.7	7.2	6.5	6.0
72.5°	8.5	8.7	8.9	8.9	9.0	8.5	8.0	7.5	7.0	6.4	5.9
75°	8.2	8.4	8.5	8.5	8.7	8.4	8.0	7.5	7.2	6.5	5.9
77.5°	8.4	8.5	8.5	8.7	8.7	8.4	8.0	7.5	7.2	6.4	5.5
80°	8.4	8.2	8.0	7.7	7.5	6.9	6.2	5.4	4.7	3.7	2.8
82.5°	6.5	6.2	6.0	5.7	5.4	4.7	4.0	3.3	2.7	2.0	1.3
85°	5.2	4.9	4.7	4.4	4.0	3.5	2.8	2.3	1.7	1.3	0.8
87.5°	2.7	2.5	2.2	2.0	1.7	1.3	0.8	0.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366853  
 CATALOG NUMBER: MSA-SA1B-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: P366853  
 CATALOG NUMBER: MSA-SA1B-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°	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8
2.5°	347.1	355.6	354.5	353.3	358.8	364.3	360.3	356.5	352.5	348.4	340.1
5°	351.0	351.6	350.5	349.1	349.3	349.5	346.8	344.1	341.4	338.7	338.2
7.5°	280.3	283.0	286.7	290.2	290.4	290.4	288.4	286.4	284.2	282.2	283.2
10°	198.5	197.8	198.8	199.8	199.7	199.3	204.7	210.0	215.2	220.6	216.7
12.5°	146.9	147.8	143.6	139.4	140.9	142.3	143.1	143.9	144.8	145.6	147.9
15°	88.9	86.4	83.3	80.3	81.8	83.2	84.7	86.0	87.5	88.9	90.4
17.5°	61.9	61.1	59.7	58.2	58.4	58.6	58.7	58.9	58.9	59.1	59.4
20°	53.7	54.2	53.2	52.0	51.7	51.2	50.9	50.5	50.0	49.7	49.2
22.5°	47.4	47.7	47.9	47.9	47.2	46.4	45.7	45.2	44.5	43.8	43.5
25°	43.0	43.3	43.0	42.5	42.2	41.8	41.5	41.0	40.7	40.2	40.0
27.5°	39.3	39.8	39.8	39.7	39.3	38.8	38.0	37.3	36.5	35.6	35.8
30°	35.5	36.2	36.2	36.0	35.8	35.6	34.8	34.0	33.1	32.3	32.6
32.5°	32.6	33.0	32.8	32.6	32.6	32.5	31.8	31.3	30.6	30.0	30.0
35°	29.0	29.1	29.1	29.1	29.1	29.0	28.5	27.9	27.4	26.9	27.1
37.5°	26.3	26.3	26.8	27.1	26.8	26.4	26.1	25.6	25.3	24.8	24.8
40°	23.3	23.3	23.8	24.1	23.8	23.4	23.3	22.9	22.8	22.4	22.4
42.5°	20.6	20.6	21.1	21.4	21.4	21.3	20.9	20.6	20.3	19.9	20.1
45°	17.2	17.1	17.9	18.6	18.2	17.9	17.9	17.7	17.7	17.6	17.7
47.5°	14.2	14.1	14.7	15.4	15.2	14.9	14.9	14.9	14.9	14.9	15.1
50°	11.9	11.5	12.2	12.7	12.6	12.2	12.2	12.4	12.4	12.4	12.6
52.5°	10.2	9.9	10.4	10.7	10.5	10.4	10.4	10.5	10.5	10.5	10.7
55°	9.0	8.7	9.2	9.5	9.4	9.0	9.2	9.2	9.4	9.4	9.4
57.5°	8.0	7.5	7.9	8.2	8.2	8.0	8.2	8.2	8.4	8.4	8.4
60°	7.4	6.9	7.2	7.4	7.4	7.2	7.4	7.4	7.5	7.5	7.5
62.5°	6.5	6.0	6.4	6.5	6.5	6.4	6.5	6.5	6.7	6.7	6.7
65°	5.9	5.4	5.5	5.7	5.7	5.7	5.9	5.9	6.0	6.0	6.0
67.5°	5.5	4.9	5.0	5.2	5.2	5.2	5.4	5.4	5.5	5.5	5.7
70°	5.4	4.7	4.9	4.9	5.0	5.0	5.0	5.2	5.2	5.2	5.2
72.5°	5.2	4.5	4.5	4.5	4.7	4.7	4.7	4.9	4.9	4.9	4.9
75°	5.2	4.5	4.4	4.2	4.4	4.4	4.4	4.5	4.5	4.5	4.5
77.5°	4.5	3.7	3.3	2.8	3.3	3.7	3.8	3.8	4.0	4.0	4.0
80°	1.8	0.8	0.5	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2
82.5°	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366853  
 CATALOG NUMBER: MSA-SA1B-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: P366853  
 CATALOG NUMBER: MSA-SA1B-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8
2.5°	331.7	323.3	315.0	319.0	323.0	327.0	331.0	330.7	330.2	329.9	329.4
5°	337.9	337.4	336.9	334.6	332.4	330.0	327.7	327.2	326.5	326.0	325.4
7.5°	284.2	285.0	286.0	283.3	280.7	278.0	275.3	268.4	261.6	254.6	247.7
10°	212.9	208.9	205.0	204.7	204.3	204.0	203.7	203.0	202.3	201.5	200.8
12.5°	150.5	152.8	155.1	154.3	153.5	152.5	151.6	152.8	154.1	155.3	156.5
15°	91.7	93.2	94.6	97.6	100.6	103.6	106.6	107.8	109.1	110.3	111.5
17.5°	59.7	59.9	60.3	63.6	66.8	70.1	73.3	75.5	77.7	79.7	81.8
20°	48.7	48.2	47.7	49.5	51.4	53.2	55.1	57.1	59.1	61.1	63.1
22.5°	43.3	43.0	42.7	43.3	44.0	44.5	45.2	46.7	48.4	49.9	51.4
25°	39.8	39.5	39.3	39.7	40.0	40.3	40.7	41.5	42.3	43.2	44.0
27.5°	35.8	36.0	36.0	36.3	36.5	36.8	37.0	37.3	37.8	38.2	38.5
30°	32.8	33.1	33.3	33.6	33.8	34.1	34.3	34.1	34.0	33.8	33.6
32.5°	30.0	29.8	29.8	30.1	30.3	30.6	30.8	31.1	31.5	31.6	32.0
35°	27.1	27.3	27.3	27.3	27.4	27.4	27.4	27.8	28.3	28.6	29.0
37.5°	24.6	24.6	24.4	24.9	25.3	25.8	26.1	26.4	26.9	27.3	27.6
40°	22.4	22.4	22.4	22.8	23.1	23.3	23.6	24.4	25.3	26.1	26.9
42.5°	20.1	20.3	20.3	20.6	20.9	21.1	21.4	22.1	22.6	23.3	23.8
45°	17.9	18.1	18.2	18.6	18.7	19.1	19.2	19.6	19.7	20.1	20.3
47.5°	15.4	15.6	15.7	16.1	16.2	16.6	16.7	16.6	16.6	16.4	16.2
50°	12.9	13.1	13.2	13.7	14.1	14.6	14.9	14.6	14.2	13.7	13.4
52.5°	10.9	10.9	11.0	11.4	11.7	11.9	12.2	12.1	11.9	11.7	11.5
55°	9.4	9.4	9.4	9.5	9.7	9.9	10.0	10.2	10.2	10.4	10.4
57.5°	8.4	8.2	8.2	8.4	8.5	8.5	8.7	8.9	8.9	9.0	9.0
60°	7.5	7.4	7.4	7.5	7.7	7.9	8.0	8.0	8.0	7.9	7.9
62.5°	6.7	6.7	6.7	6.9	6.9	7.0	7.0	7.0	7.2	7.2	7.2
65°	6.2	6.2	6.2	6.2	6.2	6.0	6.0	6.2	6.2	6.4	6.4
67.5°	5.7	5.9	5.9	5.7	5.5	5.4	5.2	5.4	5.4	5.5	5.5
70°	5.2	5.2	5.2	5.0	4.9	4.7	4.5	4.5	4.5	4.4	4.4
72.5°	4.9	4.7	4.7	4.5	4.2	4.0	3.7	3.5	3.5	3.3	3.2
75°	4.5	4.4	4.4	4.0	3.7	3.3	3.0	2.8	2.5	2.3	2.0
77.5°	4.0	4.0	4.0	3.5	3.2	2.7	2.2	1.8	1.5	1.0	0.7
80°	1.3	1.5	1.7	1.5	1.5	1.3	1.2	0.8	0.7	0.3	0.0
82.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366853  
 CATALOG NUMBER: MSA-SA1B-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: P366853  
 CATALOG NUMBER: MSA-SA1B-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°	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8
2.5°	331.2	333.0	334.9	336.7	336.9	337.1	337.2	337.4	333.2	328.9	324.7
5°	328.7	332.2	335.6	338.9	337.1	335.2	333.4	331.5	331.4	331.4	331.2
7.5°	248.2	248.5	249.0	249.4	250.0	250.7	251.2	251.9	254.6	257.2	259.7
10°	198.7	196.5	194.1	192.0	190.3	188.4	186.8	184.9	186.3	187.8	189.1
12.5°	154.6	152.8	150.8	149.0	148.3	147.6	146.8	146.1	150.5	154.8	159.0
15°	111.1	110.8	110.3	110.0	112.1	114.3	116.5	118.7	122.3	125.9	129.5
17.5°	82.7	83.5	84.4	85.2	86.5	87.9	89.0	90.4	93.1	95.9	98.6
20°	64.1	65.3	66.3	67.3	66.9	66.6	66.1	65.8	67.9	70.1	72.1
22.5°	52.4	53.2	54.2	55.1	55.2	55.4	55.6	55.7	57.1	58.2	59.6
25°	44.9	45.9	46.7	47.5	47.7	47.9	48.0	48.2	49.9	51.5	53.1
27.5°	39.7	40.7	41.8	42.8	43.2	43.5	43.8	44.2	45.2	46.0	47.0
30°	35.0	36.3	37.7	39.0	39.5	40.0	40.5	41.0	42.0	43.2	44.2
32.5°	32.6	33.5	34.1	34.8	36.0	37.0	38.2	39.2	40.3	41.7	42.8
35°	30.0	30.8	31.8	32.6	33.5	34.3	35.0	35.8	36.5	37.2	37.7
37.5°	28.3	29.1	29.8	30.5	30.8	31.1	31.3	31.6	32.0	32.3	32.5
40°	26.9	26.8	26.8	26.6	26.9	27.4	27.8	28.1	29.1	30.0	31.0
42.5°	23.4	22.9	22.6	22.1	22.9	23.6	24.4	25.1	26.4	27.8	29.1
45°	19.9	19.6	19.1	18.7	19.9	21.1	22.3	23.4	24.9	26.3	27.8
47.5°	16.4	16.6	16.6	16.7	17.9	19.1	20.1	21.3	22.8	24.3	25.8
50°	13.7	14.1	14.4	14.7	15.9	16.9	18.1	19.1	20.8	22.3	23.9
52.5°	12.1	12.6	12.9	13.4	14.4	15.6	16.6	17.6	19.1	20.6	22.1
55°	10.9	11.5	12.1	12.6	13.4	14.2	15.1	15.9	17.4	18.9	20.3
57.5°	9.5	10.0	10.5	11.0	11.9	12.7	13.4	14.2	15.6	17.1	18.4
60°	8.4	8.7	9.2	9.5	10.2	11.0	11.7	12.4	13.7	15.1	16.2
62.5°	7.4	7.7	7.9	8.0	8.7	9.4	10.0	10.7	11.9	13.2	14.4
65°	6.5	6.7	6.7	6.9	7.4	8.0	8.5	9.0	10.4	11.5	12.9
67.5°	5.5	5.7	5.7	5.7	6.2	6.7	7.2	7.7	8.9	10.2	11.4
70°	4.4	4.5	4.5	4.5	5.0	5.7	6.2	6.7	7.7	8.7	9.7
72.5°	3.3	3.3	3.5	3.5	4.0	4.7	5.2	5.7	6.5	7.4	8.2
75°	2.2	2.3	2.3	2.5	3.0	3.7	4.2	4.7	5.5	6.4	7.0
77.5°	0.8	1.2	1.3	1.5	2.0	2.5	3.0	3.5	4.2	5.0	5.7
80°	0.0	0.2	0.2	0.2	0.5	0.7	1.0	1.2	1.7	2.3	2.8
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: P366853  
 CATALOG NUMBER: MSA-SA1B-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: P366853  
 CATALOG NUMBER: MSA-SA1B-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8
2.5°	320.3	329.5	338.7	347.9	357.1	368.5	379.9	381.6	383.3	381.2	379.4
5°	331.0	335.6	339.9	344.4	348.8	361.8	374.7	374.9	374.9	375.1	375.1
7.5°	262.4	266.3	270.1	273.8	277.7	286.2	294.7	297.9	300.9	300.2	299.6
10°	190.5	195.5	200.3	205.4	210.2	218.1	225.9	229.0	231.8	241.0	250.4
12.5°	163.3	168.2	173.1	177.7	182.6	190.6	198.7	204.5	210.2	215.9	221.6
15°	133.1	136.9	140.9	144.8	148.6	152.3	156.0	163.2	170.2	175.9	181.6
17.5°	101.3	102.9	104.4	106.1	107.6	109.3	111.0	114.0	116.8	121.8	126.7
20°	74.3	75.6	77.0	78.2	79.5	81.2	82.8	85.0	87.0	88.2	89.2
22.5°	60.8	62.8	64.8	66.6	68.6	69.8	71.0	71.6	72.3	72.8	73.3
25°	54.7	56.6	58.2	60.1	61.8	62.3	62.8	64.1	65.4	65.4	65.4
27.5°	47.9	50.4	53.1	55.6	58.1	58.7	59.2	59.7	60.1	59.4	58.6
30°	45.2	47.7	50.2	52.6	55.1	56.1	56.9	57.4	57.9	57.1	56.2
32.5°	44.0	46.4	48.5	50.9	53.1	54.4	55.6	56.9	58.1	58.2	58.6
35°	38.3	39.8	41.5	43.0	44.5	45.2	45.9	46.4	46.7	46.7	46.7
37.5°	32.8	34.8	37.0	39.0	41.0	42.5	44.0	44.2	44.2	44.5	45.0
40°	31.8	33.8	35.8	37.7	39.7	41.3	42.8	43.0	43.2	43.5	43.8
42.5°	30.5	32.6	34.8	37.0	39.2	40.8	42.3	42.3	42.2	42.7	43.0
45°	29.1	31.3	33.3	35.5	37.5	39.7	41.7	41.2	40.5	41.3	42.0
47.5°	27.3	29.6	32.0	34.1	36.5	38.5	40.3	40.0	39.5	40.3	41.2
50°	25.4	27.8	30.1	32.5	34.8	37.0	39.0	38.7	38.3	39.3	40.2
52.5°	23.6	25.9	28.5	30.8	33.1	35.0	36.7	36.5	36.3	37.3	38.5
55°	21.8	23.9	26.3	28.5	30.6	32.6	34.5	34.1	33.8	34.6	35.5
57.5°	19.7	21.9	23.9	26.1	28.1	29.8	31.3	30.8	30.3	31.3	32.3
60°	17.6	19.6	21.6	23.4	25.4	26.8	27.9	27.6	27.1	28.1	29.1
62.5°	15.6	17.4	19.2	20.9	22.8	23.8	24.8	24.4	24.1	25.1	26.3
65°	14.1	15.6	16.9	18.4	19.7	20.8	21.8	21.3	20.8	21.9	22.9
67.5°	12.6	13.7	15.1	16.2	17.4	18.2	19.1	18.7	18.2	19.1	19.9
70°	10.7	11.9	13.1	14.1	15.2	16.1	16.9	16.4	15.7	16.6	17.4
72.5°	9.0	10.0	11.0	11.9	12.9	13.6	14.2	13.7	13.2	13.9	14.6
75°	7.9	8.7	9.5	10.2	11.0	11.4	11.7	11.5	11.2	11.9	12.4
77.5°	6.4	7.0	7.9	8.5	9.2	9.2	9.2	9.4	9.4	10.0	10.9
80°	3.3	4.0	4.7	5.2	5.9	5.9	5.7	6.0	6.2	7.0	7.9
82.5°	0.0	0.5	1.0	1.5	2.0	1.8	1.5	1.7	1.7	2.0	2.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366853  
 CATALOG NUMBER: MSA-SA1B-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: P366853  
 CATALOG NUMBER: MSA-SA1B-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°	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8
2.5°	377.4	375.4	374.1	372.9	371.5	370.2	371.9	373.6	375.1	376.7	381.8
5°	375.2	375.2	374.1	372.9	371.7	370.5	373.0	375.4	377.9	380.2	380.1
7.5°	298.7	298.1	305.1	312.0	319.0	325.9	327.7	329.5	331.2	333.0	332.5
10°	259.6	268.8	271.8	274.8	277.8	280.8	284.5	288.2	291.9	295.6	296.9
12.5°	227.3	233.0	242.7	252.2	261.9	271.5	276.3	281.3	286.2	291.0	300.6
15°	187.3	193.0	201.3	209.7	218.1	226.4	234.1	242.0	249.7	257.4	268.9
17.5°	131.7	136.6	142.9	149.3	155.5	161.8	173.7	185.6	197.5	209.4	221.6
20°	90.4	91.4	94.4	97.6	100.6	103.6	114.3	125.2	135.9	146.6	162.7
22.5°	73.6	74.1	75.6	77.2	78.5	80.0	85.5	91.2	96.7	102.3	115.3
25°	65.3	65.3	66.3	67.3	68.3	69.3	72.3	75.3	78.2	81.2	89.5
27.5°	57.9	57.1	58.6	60.1	61.6	63.1	65.3	67.6	69.8	72.0	77.7
30°	55.4	54.6	56.4	58.2	60.1	61.9	64.1	66.3	68.3	70.5	74.3
32.5°	58.7	58.9	59.6	60.3	60.8	61.4	62.4	63.6	64.6	65.6	69.0
35°	46.7	46.7	47.9	49.0	50.0	51.2	53.1	54.9	56.7	58.6	62.1
37.5°	45.4	45.7	46.7	47.9	48.9	49.9	52.2	54.7	57.1	59.4	62.3
40°	44.0	44.4	45.7	47.0	48.4	49.7	52.0	54.2	56.6	58.7	61.4
42.5°	43.5	43.8	45.5	47.4	49.0	50.7	52.7	54.7	56.6	58.6	62.3
45°	42.8	43.5	45.5	47.7	49.7	51.7	53.6	55.4	57.2	59.1	63.6
47.5°	41.8	42.7	45.0	47.2	49.5	51.7	55.2	58.9	62.4	65.9	68.1
50°	41.2	42.0	44.5	47.0	49.5	52.0	57.7	63.4	69.0	74.6	73.5
52.5°	39.5	40.5	43.7	46.9	50.0	53.2	58.2	63.3	68.3	73.3	71.0
55°	36.3	37.2	40.8	44.5	48.0	51.7	55.4	59.1	62.6	66.3	63.6
57.5°	33.1	34.1	37.7	41.2	44.5	48.0	49.9	51.7	53.6	55.4	54.4
60°	30.1	31.1	35.8	40.5	45.2	49.9	48.2	46.5	44.7	43.0	44.2
62.5°	27.3	28.3	32.8	37.2	41.7	46.0	43.7	41.3	39.0	36.7	38.5
65°	24.1	25.1	26.8	28.6	30.3	32.0	31.8	31.5	31.3	31.0	33.0
67.5°	20.8	21.6	22.4	23.4	24.3	25.1	25.6	26.3	26.8	27.3	29.0
70°	18.1	18.9	19.9	20.8	21.8	22.6	22.9	23.3	23.4	23.8	25.3
72.5°	15.1	15.7	17.1	18.4	19.6	20.9	21.1	21.1	21.3	21.3	22.4
75°	13.1	13.6	14.6	15.6	16.4	17.4	17.9	18.4	18.7	19.2	19.9
77.5°	11.5	12.2	12.6	12.7	13.1	13.2	13.6	13.9	14.2	14.6	14.7
80°	8.5	9.4	9.7	9.9	10.2	10.4	10.4	10.2	10.2	10.0	10.2
82.5°	2.7	3.0	3.5	4.0	4.5	5.0	5.2	5.4	5.4	5.5	5.4
85°	0.5	0.7	1.0	1.3	1.5	1.8	1.7	1.3	1.2	0.8	0.7
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: P366853  
 CATALOG NUMBER: MSA-SA1B-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: P366853  
 CATALOG NUMBER: MSA-SA1B-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8
2.5°	386.8	391.6	396.6	394.6	392.6	390.6	388.6	388.9	389.4	389.8	390.1
5°	379.9	379.6	379.4	385.1	391.0	396.6	402.3	408.5	414.9	421.1	427.3
7.5°	332.0	331.4	330.9	338.2	345.6	353.0	360.3	368.9	377.6	386.1	394.6
10°	298.2	299.6	300.9	303.9	307.1	310.1	313.1	321.3	329.5	337.6	345.8
12.5°	310.1	319.5	329.0	330.9	332.5	334.4	336.1	337.2	338.4	339.6	340.7
15°	280.7	292.2	303.8	308.6	313.3	318.2	322.8	335.2	347.4	359.8	372.0
17.5°	233.8	245.9	258.1	272.6	287.2	301.8	316.3	329.7	343.1	356.5	369.9
20°	178.9	195.0	211.0	229.5	248.0	266.4	284.8	298.2	311.5	324.8	338.1
22.5°	128.5	141.6	154.6	176.9	199.0	221.3	243.3	266.6	290.0	313.3	336.6
25°	97.9	106.1	114.5	136.4	158.3	180.1	202.0	234.0	265.9	297.9	329.9
27.5°	83.2	88.9	94.4	114.1	133.9	153.5	173.2	211.2	249.2	287.2	325.2
30°	78.3	82.2	86.0	102.8	119.7	136.4	153.1	191.6	230.1	268.6	307.1
32.5°	72.3	75.5	78.8	93.6	108.3	122.8	137.6	175.2	212.9	250.4	288.0
35°	65.4	69.0	72.3	87.0	101.8	116.3	131.0	170.0	209.0	248.0	287.0
37.5°	64.9	67.8	70.5	87.5	104.8	121.8	138.9	177.9	216.9	255.7	294.7
40°	64.3	66.9	69.6	87.0	104.3	121.7	138.9	179.7	220.6	261.4	302.3
42.5°	65.9	69.5	73.1	88.5	103.9	119.2	134.6	177.6	220.6	263.4	306.4
45°	68.3	72.8	77.3	91.4	105.4	119.5	133.6	180.2	226.9	273.5	320.2
47.5°	70.5	72.6	74.8	88.2	101.4	114.8	128.0	175.7	223.4	271.1	318.8
50°	72.5	71.3	70.1	84.9	99.6	114.1	128.9	174.4	219.7	265.3	310.6
52.5°	68.5	66.1	63.6	79.3	95.1	110.6	126.4	172.2	218.1	263.9	309.8
55°	60.9	58.2	55.6	71.1	86.5	102.1	117.5	163.2	208.9	254.6	300.2
57.5°	53.2	52.2	51.0	62.9	74.8	86.5	98.4	149.1	200.0	250.7	301.4
60°	45.4	46.4	47.5	56.1	64.6	73.0	81.5	131.2	180.8	230.5	280.0
62.5°	40.2	42.0	43.7	50.9	58.2	65.4	72.6	119.5	166.4	213.2	260.1
65°	35.1	37.2	39.2	47.7	56.4	64.9	73.5	113.1	152.8	192.5	232.1
67.5°	30.6	32.1	33.8	45.0	56.2	67.4	78.7	111.1	143.4	175.9	208.2
70°	26.8	28.1	29.6	42.7	55.7	68.8	81.8	109.5	137.2	164.9	192.5
72.5°	23.6	24.8	25.9	39.2	52.4	65.6	78.8	103.4	127.9	152.5	176.9
75°	20.6	21.1	21.8	33.0	44.0	55.2	66.3	82.7	99.2	115.6	132.0
77.5°	14.9	14.9	15.1	18.4	21.6	24.9	28.1	38.3	48.5	58.6	68.8
80°	10.2	10.4	10.4	11.7	12.9	14.2	15.4	17.6	19.6	21.8	23.8
82.5°	5.2	4.9	4.7	6.0	7.4	8.7	10.0	10.5	10.9	11.4	11.7
85°	0.5	0.2	0.0	0.8	1.7	2.5	3.3	4.0	4.7	5.4	6.0
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: P366853  
 CATALOG NUMBER: MSA-SA1B-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: P366853

CATALOG NUMBER: MSA-SA1B-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°	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8
2.5°	388.8	387.4	386.1	384.8	393.0	401.3	409.5	417.7	441.0	456.2	454.6
5°	433.3	439.3	445.3	451.4	461.1	471.0	480.7	490.4	524.8	545.9	548.9
7.5°	404.0	413.2	422.6	431.8	450.5	469.1	487.9	506.4	534.7	556.6	569.0
10°	356.3	366.9	377.2	387.8	408.9	430.1	451.2	472.3	504.1	534.4	549.9
12.5°	357.3	373.9	390.5	407.0	425.4	443.8	462.1	480.5	499.9	510.1	532.0
15°	385.1	398.2	411.2	424.3	448.4	472.5	496.4	520.5	532.0	556.6	582.2
17.5°	395.3	420.9	446.4	471.8	501.9	531.9	562.0	592.0	613.7	647.9	674.3
20°	376.4	414.7	452.9	491.2	532.5	573.9	615.2	656.6	680.3	712.8	753.6
22.5°	377.2	417.9	458.4	499.1	556.1	613.0	670.1	727.0	790.8	853.4	873.3
25°	383.1	436.3	489.4	542.6	608.5	674.5	740.4	806.3	883.3	949.1	975.5
27.5°	385.1	445.0	504.8	564.7	658.4	752.1	845.8	939.6	1031.4	1105.8	1134.0
30°	380.2	453.5	526.7	599.8	714.8	829.8	944.8	1059.7	1146.9	1233.5	1268.6
32.5°	381.4	474.8	568.2	661.6	797.0	932.5	1067.9	1203.3	1259.1	1337.0	1399.0
35°	389.4	491.9	594.1	696.6	846.3	996.1	1145.9	1295.7	1387.1	1469.4	1522.0
37.5°	408.2	521.7	635.0	748.4	932.5	1116.8	1300.9	1485.0	1626.4	1767.8	1791.9
40°	422.1	541.9	661.7	781.6	995.3	1209.0	1422.7	1636.5	1796.5	1949.9	1966.3
42.5°	437.8	569.0	700.4	831.6	1070.6	1309.6	1548.6	1787.6	1972.9	2129.3	2140.2
45°	455.1	590.1	725.0	859.9	1110.3	1360.5	1610.9	1861.1	2077.5	2259.2	2218.2
47.5°	463.3	607.7	752.1	896.6	1165.0	1433.3	1701.7	1970.0	2164.1	2324.5	2276.6
50°	469.6	628.4	787.4	946.3	1227.8	1509.3	1790.8	2072.3	2266.9	2414.9	2339.9
52.5°	487.5	665.1	842.8	1020.4	1319.8	1619.1	1918.5	2217.7	2406.0	2541.9	2436.8
55°	504.9	709.4	914.1	1118.6	1440.6	1762.8	2084.8	2406.8	2594.3	2710.8	2568.0
57.5°	526.9	752.5	977.9	1203.3	1547.8	1892.2	2236.4	2580.9	2764.1	2892.8	2744.6
60°	521.2	762.2	1003.3	1244.3	1595.1	1945.9	2296.7	2647.5	2865.2	3023.4	2922.8
62.5°	499.1	738.1	976.9	1215.9	1560.5	1904.9	2249.5	2593.9	2854.8	3069.1	3035.3
65°	454.4	676.5	898.7	1120.8	1449.9	1779.1	2108.1	2437.1	2759.1	3031.7	3043.8
67.5°	395.6	583.1	770.4	957.8	1264.7	1571.7	1878.5	2185.4	2565.5	2883.5	2919.3
70°	333.4	474.1	615.1	755.8	1025.9	1296.0	1566.0	1836.1	2231.3	2551.3	2618.9
72.5°	267.3	357.8	448.2	538.6	733.5	928.4	1123.3	1318.1	1665.7	1914.1	2032.1
75°	173.2	214.4	255.6	296.7	426.6	556.3	686.2	815.9	1046.7	1229.6	1363.0
77.5°	77.2	85.5	93.7	102.1	202.3	302.6	402.8	503.1	603.3	713.8	745.1
80°	27.6	31.3	35.1	38.8	88.0	137.4	186.6	235.8	284.3	341.4	355.3
82.5°	11.5	11.5	11.4	11.2	28.8	46.4	63.9	81.5	94.2	108.3	111.0
85°	4.7	3.5	2.2	0.8	3.7	6.7	9.5	12.4	19.9	18.1	33.5
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: P366853  
 CATALOG NUMBER: MSA-SA1B-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: P366853

CATALOG NUMBER: MSA-SA1B-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8
2.5°	448.2	447.9	447.5	447.2	446.9	440.8	435.0	428.9	423.1	430.5	437.8
5°	544.1	552.8	561.5	570.4	579.1	581.6	584.1	586.6	589.1	594.5	599.8
7.5°	579.4	594.1	608.7	623.4	638.0	651.5	664.9	678.5	692.0	688.7	685.3
10°	567.2	593.8	620.4	647.2	673.8	679.7	685.5	691.5	697.4	712.6	727.9
12.5°	554.0	585.9	617.9	649.9	681.8	699.6	717.1	734.9	752.6	768.0	783.4
15°	616.7	637.1	657.6	678.1	698.6	714.1	729.5	745.1	760.5	771.2	781.7
17.5°	699.2	709.3	719.3	729.5	739.6	751.8	764.0	776.2	788.4	794.8	801.2
20°	786.4	790.8	795.1	799.5	803.8	794.1	784.4	774.7	765.0	771.0	776.9
22.5°	874.0	875.5	877.1	878.6	880.2	857.6	835.0	812.4	789.8	780.2	770.7
25°	1008.7	997.6	986.6	975.5	964.5	937.7	910.9	884.2	857.4	833.8	810.2
27.5°	1154.6	1117.1	1079.8	1042.3	1005.0	978.2	951.4	924.7	897.9	862.4	826.9
30°	1301.7	1241.3	1181.1	1120.7	1060.4	1028.6	996.8	964.8	933.0	897.6	862.2
32.5°	1436.6	1364.0	1291.4	1218.6	1145.9	1092.4	1038.8	985.3	931.7	906.9	882.2
35°	1548.4	1462.6	1376.7	1290.7	1204.8	1151.8	1098.7	1045.7	992.6	955.8	919.1
37.5°	1739.6	1643.0	1546.4	1449.9	1353.3	1280.8	1208.5	1136.0	1063.6	1039.0	1014.4
40°	1915.8	1794.1	1672.4	1550.8	1429.1	1368.3	1307.8	1247.0	1186.4	1146.1	1105.9
42.5°	2055.9	1927.7	1799.6	1671.4	1543.2	1483.2	1423.2	1363.2	1303.1	1276.1	1249.4
45°	2086.2	1965.3	1844.7	1723.8	1603.0	1568.0	1533.2	1498.2	1463.4	1444.8	1426.4
47.5°	2145.9	2014.9	1884.0	1752.9	1621.9	1606.2	1590.4	1574.5	1558.8	1567.7	1576.5
50°	2179.4	2045.7	1911.9	1778.2	1644.5	1649.0	1653.4	1657.9	1662.4	1725.3	1788.1
52.5°	2244.3	2109.3	1974.2	1839.1	1704.1	1732.5	1760.8	1789.3	1817.5	1904.2	1990.8
55°	2360.3	2227.6	2094.9	1962.0	1829.3	1866.7	1904.2	1941.9	1979.4	2071.4	2163.3
57.5°	2532.2	2400.5	2268.9	2137.2	2005.7	2043.0	2080.3	2117.6	2154.9	2238.1	2321.1
60°	2748.6	2613.3	2478.3	2343.1	2208.0	2222.1	2235.9	2250.0	2264.1	2353.4	2442.6
62.5°	2917.1	2792.8	2668.6	2544.2	2420.0	2404.5	2389.1	2373.5	2358.1	2426.1	2493.9
65°	2956.3	2868.7	2781.4	2693.8	2606.3	2558.5	2510.8	2462.9	2415.0	2442.5	2469.9
67.5°	2844.1	2785.1	2726.1	2667.1	2608.0	2508.1	2408.2	2308.1	2208.2	2193.6	2179.0
70°	2583.9	2551.6	2519.5	2487.2	2455.0	2301.1	2147.2	1993.3	1839.5	1802.5	1765.5
72.5°	2039.0	2059.0	2079.1	2099.4	2119.5	1954.6	1789.9	1625.1	1460.2	1413.4	1366.7
75°	1437.8	1505.9	1574.0	1642.1	1710.3	1560.0	1409.9	1259.6	1109.3	1064.3	1019.4
77.5°	779.6	907.3	1035.0	1162.7	1290.4	1166.3	1042.5	918.5	794.5	763.2	732.0
80°	369.5	443.2	516.6	590.3	663.9	636.0	608.0	579.9	552.0	558.8	565.7
82.5°	113.3	166.5	219.7	273.0	326.2	330.4	334.4	338.6	342.8	353.1	363.3
85°	38.0	52.0	66.1	80.2	94.2	119.0	143.8	168.7	193.5	177.4	161.5
87.5°	0.0	0.5	0.8	1.3	1.7	5.2	8.7	12.2	15.7	13.6	11.5
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: P366853  
 CATALOG NUMBER: MSA-SA1B-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: P366853

CATALOG NUMBER: MSA-SA1B-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°	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8
2.5°	445.3	452.7	452.9	453.2	453.4	453.5	454.4	455.2	456.2	457.1	451.5
5°	605.3	610.7	600.8	591.0	580.9	571.0	579.9	588.8	597.6	606.5	602.7
7.5°	681.8	678.5	677.3	676.3	675.1	674.1	677.5	680.8	684.2	687.5	687.2
10°	743.1	758.3	762.0	765.7	769.5	773.2	765.5	757.8	750.1	742.4	739.2
12.5°	798.8	814.2	826.4	838.6	851.0	863.2	852.2	841.3	830.3	819.4	809.0
15°	792.5	803.0	813.0	823.1	833.1	843.2	839.5	836.0	832.3	828.6	826.9
17.5°	807.7	814.0	811.7	809.4	806.8	804.5	803.3	802.3	801.2	800.0	796.0
20°	782.9	788.9	787.4	786.1	784.6	783.1	782.1	781.1	780.1	779.1	775.9
22.5°	761.2	751.6	749.1	746.8	744.3	741.9	742.2	742.6	742.7	743.1	757.5
25°	786.6	763.0	753.8	744.6	735.2	726.0	730.2	734.2	738.4	742.6	763.3
27.5°	791.3	755.8	741.1	726.3	711.6	696.9	712.0	727.0	742.1	757.1	790.8
30°	826.8	791.5	770.9	750.4	729.9	709.4	728.7	747.9	767.2	786.4	822.9
32.5°	857.2	832.5	817.7	803.0	788.3	773.5	774.4	775.1	775.9	776.7	828.1
35°	882.3	845.7	832.3	819.1	805.7	792.5	812.4	832.3	852.2	872.1	918.3
37.5°	989.8	965.2	940.6	916.1	891.5	867.1	883.0	898.9	915.0	930.9	981.9
40°	1065.6	1025.4	1019.1	1012.9	1006.5	1000.3	1008.5	1016.6	1024.8	1033.0	1077.6
42.5°	1222.4	1195.5	1178.2	1161.2	1143.9	1126.8	1133.4	1139.9	1146.6	1153.1	1195.5
45°	1407.8	1389.3	1377.9	1366.5	1355.0	1343.6	1333.7	1324.0	1314.1	1304.4	1347.4
47.5°	1585.4	1594.3	1619.4	1644.3	1669.4	1694.4	1673.9	1653.5	1632.9	1612.5	1612.7
50°	1851.0	1913.8	1926.5	1939.0	1951.8	1964.3	1920.8	1877.3	1833.6	1790.1	1784.9
52.5°	2077.5	2164.0	2168.5	2173.0	2177.7	2182.2	2164.7	2147.1	2129.3	2111.8	2065.1
55°	2255.4	2347.2	2353.4	2359.5	2365.7	2371.7	2356.3	2341.0	2325.7	2310.3	2263.1
57.5°	2404.3	2487.3	2491.0	2494.5	2498.2	2501.9	2503.1	2504.2	2505.6	2506.7	2443.0
60°	2532.0	2621.4	2614.0	2606.8	2599.5	2592.3	2581.2	2570.2	2559.1	2548.1	2506.9
62.5°	2561.8	2629.7	2618.4	2607.2	2595.8	2584.6	2575.2	2566.0	2556.6	2547.2	2521.0
65°	2497.4	2524.8	2513.1	2501.4	2489.5	2477.8	2471.8	2465.9	2459.9	2453.9	2450.5
67.5°	2164.3	2149.8	2163.6	2177.5	2191.4	2205.3	2224.2	2243.1	2262.2	2281.1	2270.1
70°	1728.3	1691.4	1706.8	1722.0	1737.4	1752.6	1781.2	1809.8	1838.6	1867.2	1859.6
72.5°	1319.8	1272.9	1275.1	1277.3	1279.6	1281.8	1281.0	1280.3	1279.5	1278.6	1292.0
75°	974.4	929.4	908.1	886.8	865.6	844.3	839.1	834.0	828.8	823.6	848.5
77.5°	700.7	669.6	655.1	640.7	626.1	611.7	619.1	626.4	634.0	641.3	650.0
80°	572.7	579.6	568.4	557.3	546.1	534.9	543.3	551.5	559.8	568.2	542.3
82.5°	373.7	383.9	349.5	315.0	280.5	246.0	266.9	287.9	308.9	329.9	319.2
85°	145.4	129.5	110.5	91.5	72.5	53.4	69.5	85.5	101.6	117.7	128.4
87.5°	9.4	7.4	5.9	4.4	2.7	1.2	2.5	3.8	5.4	6.7	11.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P366853  
 CATALOG NUMBER: MSA-SA1B-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: P366853

CATALOG NUMBER: MSA-SA1B-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8
2.5°	446.2	440.7	435.3	424.8	414.2	403.7	393.1	407.9	422.6	437.3	452.0
5°	599.0	595.1	591.5	592.5	593.5	594.6	595.6	597.8	600.0	602.0	604.2
7.5°	687.0	686.7	686.3	678.7	671.0	663.1	655.4	659.2	663.1	666.9	670.8
10°	736.2	733.0	729.9	713.0	696.1	679.0	662.1	654.7	647.2	639.8	632.5
12.5°	798.6	788.1	777.7	759.7	741.7	723.7	705.6	698.9	692.0	685.3	678.5
15°	825.4	823.8	822.2	809.4	796.3	783.4	770.4	747.4	724.3	701.4	678.5
17.5°	792.0	787.8	783.8	804.2	824.4	844.8	865.3	841.5	817.7	794.0	770.2
20°	772.7	769.5	766.3	804.3	842.2	880.2	918.0	907.4	896.7	886.2	875.6
22.5°	771.9	786.4	800.8	834.1	867.3	900.6	933.7	952.0	970.4	988.6	1006.8
25°	784.1	805.0	825.8	881.0	936.2	991.6	1046.8	1067.8	1088.5	1109.4	1130.2
27.5°	824.3	857.9	891.4	939.6	987.8	1036.1	1084.3	1130.0	1175.9	1221.6	1267.3
30°	859.2	895.7	932.2	989.6	1046.8	1104.2	1161.5	1218.7	1276.0	1333.2	1390.4
32.5°	879.5	931.0	982.4	1052.2	1121.8	1191.6	1261.4	1324.2	1386.9	1449.5	1512.3
35°	964.5	1010.9	1057.1	1134.2	1211.4	1288.7	1365.8	1443.5	1521.1	1598.6	1676.3
37.5°	1033.0	1084.2	1135.2	1219.6	1303.7	1388.1	1472.4	1579.7	1687.2	1794.4	1901.7
40°	1122.3	1167.0	1211.7	1290.7	1369.5	1448.5	1527.5	1663.6	1799.6	1935.5	2071.6
42.5°	1237.6	1280.0	1322.3	1406.8	1491.4	1575.9	1660.4	1811.0	1961.6	2112.1	2262.7
45°	1390.4	1433.6	1476.6	1543.9	1611.2	1678.5	1745.7	1905.9	2065.9	2226.1	2386.1
47.5°	1612.9	1613.0	1613.2	1661.7	1710.3	1759.0	1807.5	1968.8	2130.0	2291.3	2452.5
50°	1779.7	1774.4	1769.2	1794.3	1819.2	1844.3	1869.4	2017.9	2166.5	2314.9	2463.4
52.5°	2018.5	1971.9	1925.3	1940.2	1954.9	1969.8	1984.6	2110.3	2236.1	2361.8	2487.5
55°	2216.0	2168.8	2121.6	2116.1	2110.6	2105.1	2099.5	2215.2	2330.8	2446.5	2562.1
57.5°	2379.4	2315.6	2252.0	2239.3	2226.7	2214.0	2201.3	2323.3	2445.1	2567.2	2689.0
60°	2465.9	2424.7	2383.6	2375.4	2367.0	2358.8	2350.4	2450.5	2550.6	2650.7	2750.8
62.5°	2494.9	2468.6	2442.5	2457.9	2473.3	2488.8	2504.2	2548.2	2592.1	2636.1	2680.0
65°	2447.3	2444.0	2440.6	2472.3	2503.7	2535.4	2567.0	2556.1	2545.1	2534.2	2523.3
67.5°	2259.2	2248.2	2237.3	2306.7	2376.0	2445.5	2514.9	2462.2	2409.3	2356.6	2303.9
70°	1851.9	1844.0	1836.3	1936.4	2036.5	2136.7	2236.8	2172.9	2108.9	2045.0	1981.1
72.5°	1305.3	1318.6	1332.0	1450.0	1567.8	1685.8	1803.7	1739.2	1674.8	1610.4	1545.9
75°	873.3	898.2	923.2	1044.7	1166.2	1287.8	1409.3	1333.7	1258.1	1182.4	1106.8
77.5°	658.7	667.4	676.1	753.0	829.8	906.8	983.6	921.2	858.6	796.1	733.5
80°	516.3	490.2	464.3	489.5	514.8	540.1	565.3	528.0	490.7	453.5	416.2
82.5°	308.4	297.7	287.0	300.7	314.3	328.0	341.8	325.7	309.5	293.4	277.2
85°	138.9	149.6	160.2	174.1	187.8	201.7	215.6	193.1	170.7	148.3	125.9
87.5°	15.6	20.1	24.6	30.5	36.3	42.2	48.0	37.5	26.8	16.2	5.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	353.8	353.8
2.5°	460.6	469.1
5°	604.0	603.7
7.5°	660.7	650.5
10°	623.1	613.7
12.5°	654.5	630.6
15°	660.4	642.3
17.5°	740.7	711.1
20°	837.6	799.5
22.5°	954.6	902.2
25°	1067.9	1005.7
27.5°	1229.9	1192.4
30°	1352.6	1314.6
32.5°	1486.5	1460.7
35°	1650.7	1624.9
37.5°	1908.4	1914.9
40°	2075.6	2079.6
42.5°	2278.3	2293.9
45°	2403.5	2420.9
47.5°	2476.8	2501.0
50°	2502.6	2541.7
52.5°	2535.9	2584.1
55°	2615.9	2669.6
57.5°	2731.8	2774.7
60°	2752.8	2754.8
62.5°	2649.0	2618.0
65°	2490.3	2457.4
67.5°	2284.0	2263.9
70°	1954.6	1928.2
72.5°	1496.7	1447.5
75°	1045.8	984.9
77.5°	701.6	669.6
80°	417.2	418.1
82.5°	284.8	292.4
85°	124.3	122.7
87.5°	4.0	2.2
90°	0.0	0.0
92.5°	0.0	0.0
95°	0.0	0.0
97.5°	0.0	0.0
100°	0.0	0.0
102.5°	0.0	0.0
105°	0.0	0.0
107.5°	0.0	0.0
110°	0.0	0.0



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**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)