

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: P676031

Luminaire Tested: **CCW-SA-1B-830-U-SLR**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P676031
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-830-U-SLR
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
SLR distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2277.4 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 24
Input Voltage (V): 120
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: 25 FT

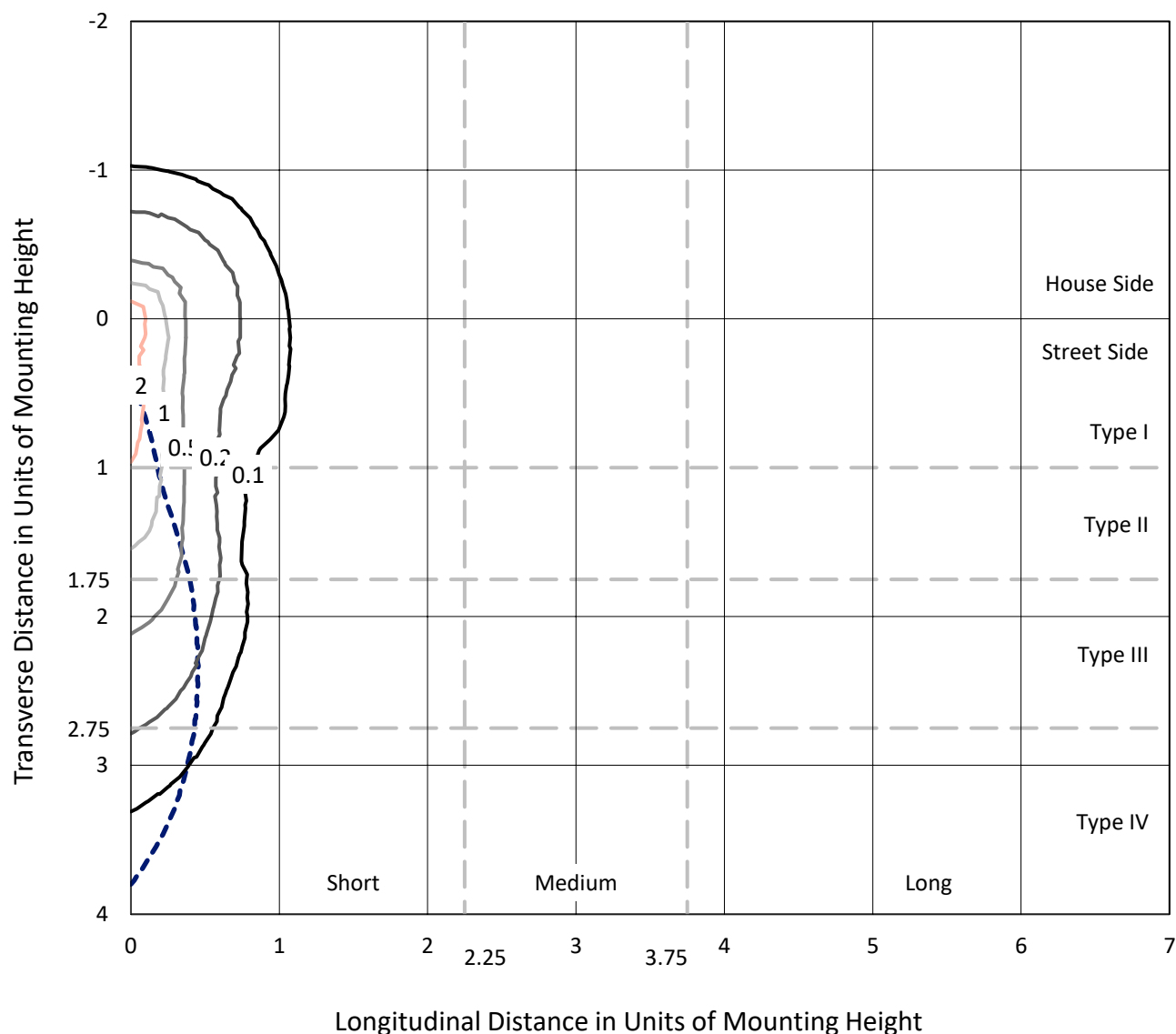
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

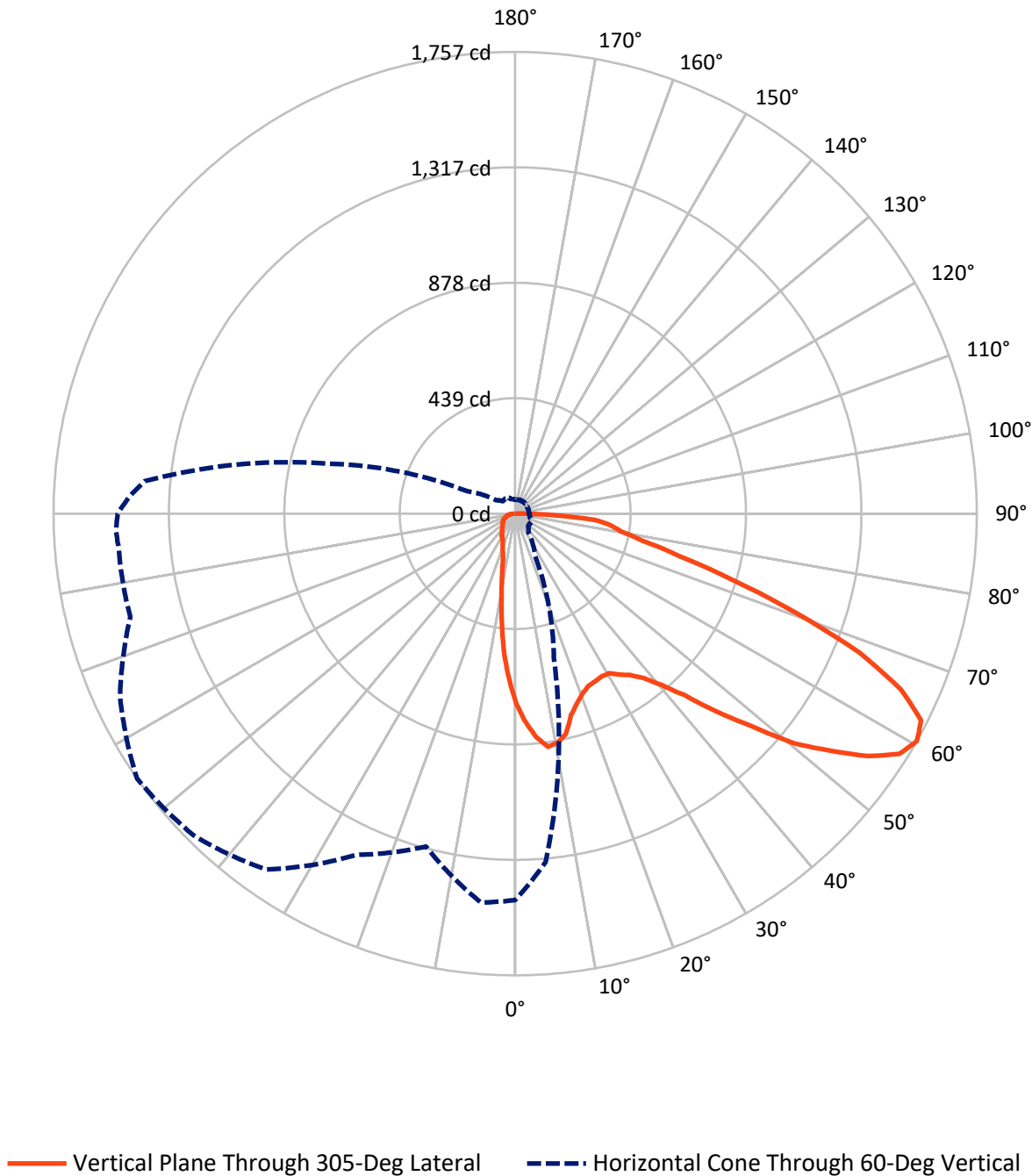


Based on 15 foot mounting height. Maximum calculated value = 3.2 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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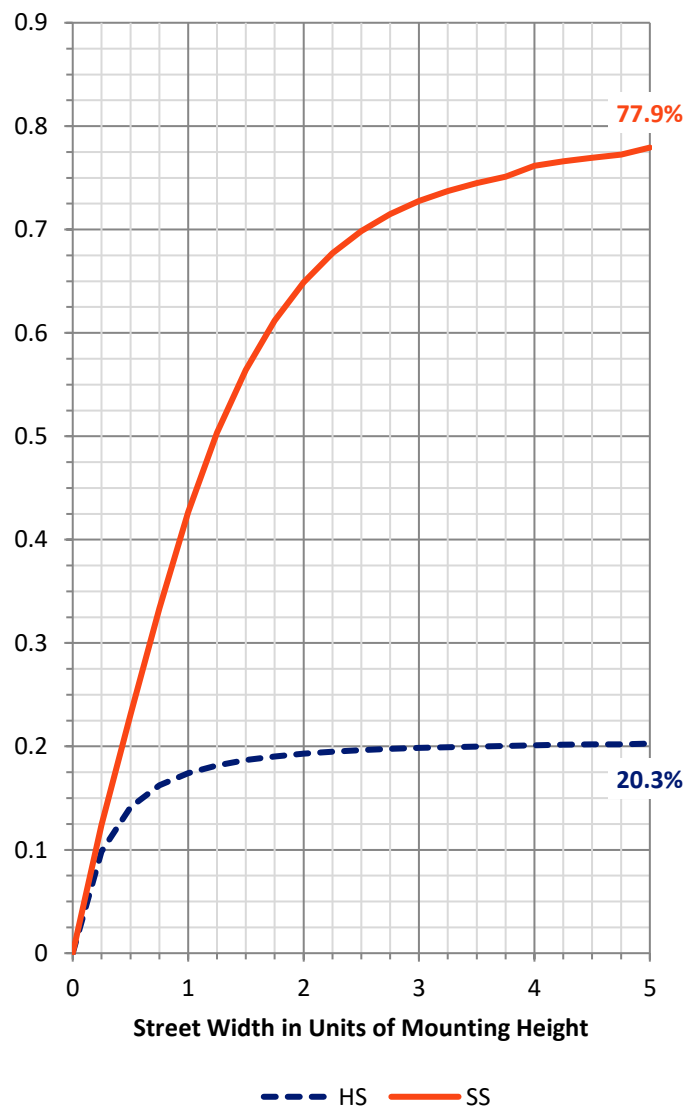
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	468.6	0.0	468.6
	% Fixture	20.6	0.0	20.6
Street Side	Lumens	1808.8	0.0	1808.8
	% Fixture	79.4	0.0	79.4
Total	Lumens	2277.4	0.0	2277.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.5	2.5
10°-20°	119.3	5.2
20°-30°	174.6	7.7
30°-40°	245.9	10.8
40°-50°	337.9	14.8
50°-60°	460.6	20.2
60°-70°	504.1	22.1
70°-80°	291.1	12.8
80°-90°	87.3	3.8
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°	2277.4	100.0
0°-180°	2277.4	100.0

Coefficient of Utilization



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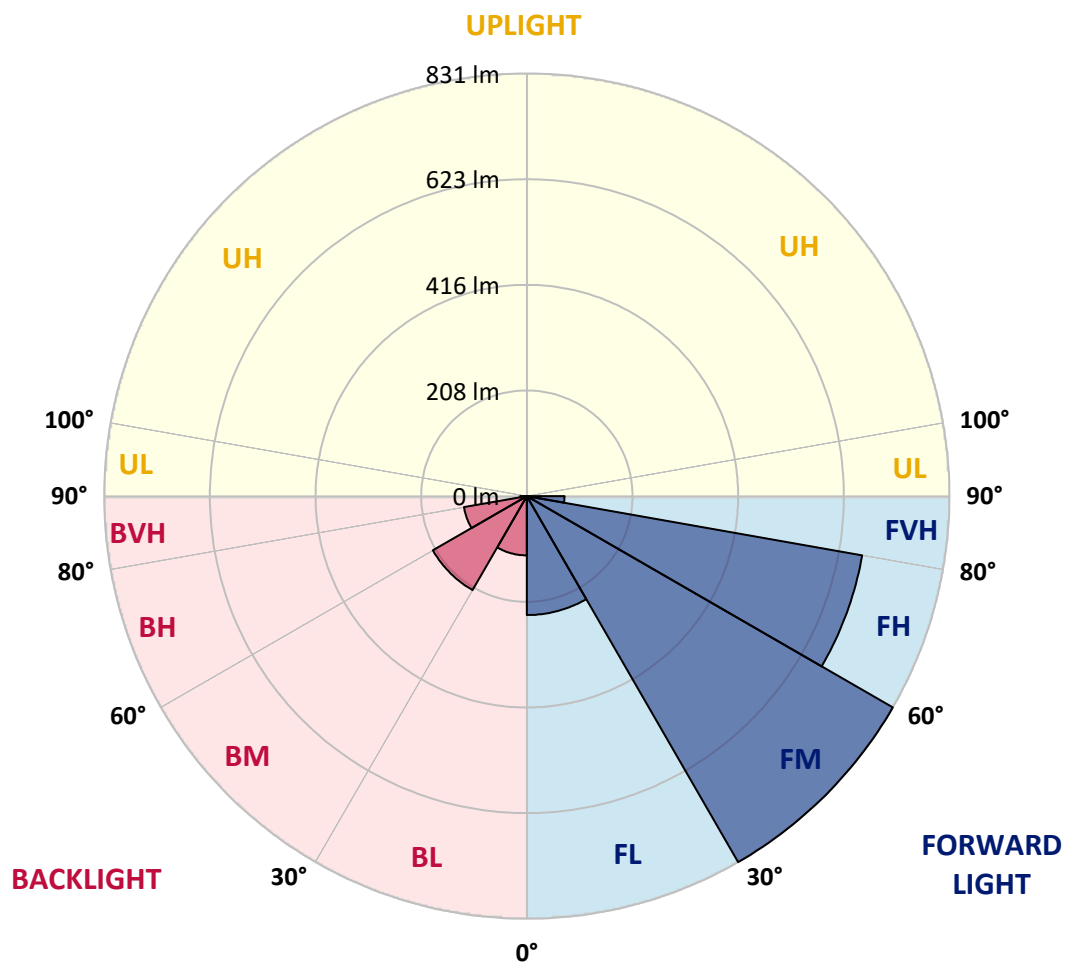
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	233.9	10.3			
FM	(30°-60°)	831.1	36.5			
FH	(60°-80°)	669.7	29.4			G1/1800
FVH	(80°-90°)	74.1	3.3			G1/100
BL	(0°-30°)	116.5	5.1	B1/500		
BM	(30°-60°)	213.4	9.4	B0/220		
BH	(60°-80°)	125.6	5.5	B1/500		G1/500
BVH	(80°-90°)	13.1	0.6			G1/100
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°	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2
2.5°	750.5	746.4	743.4	740.4	736.3	733.3	729.3	725.2	720.2	716.1	711.1
5°	707.0	694.9	682.8	675.7	667.7	660.6	652.5	643.4	634.3	624.2	615.1
7.5°	659.6	644.4	629.3	617.2	604.0	591.9	578.8	567.7	556.5	545.4	534.3
10°	615.1	601.0	586.8	571.7	555.5	540.4	524.2	509.1	493.9	478.8	463.6
12.5°	585.8	568.7	552.5	535.3	519.2	502.0	484.8	470.7	456.6	441.4	427.3
15°	572.7	556.5	541.4	524.2	507.1	489.9	472.7	456.6	441.4	425.2	409.1
17.5°	604.0	580.8	557.6	535.3	513.1	490.9	468.7	448.5	428.3	408.1	387.9
20°	644.4	615.1	586.8	559.6	531.3	504.0	475.7	447.5	419.2	390.9	362.6
22.5°	695.9	662.6	630.3	594.9	558.6	523.2	486.9	451.5	416.1	379.8	344.4
25°	787.9	748.5	709.1	658.6	607.1	556.5	505.0	458.6	413.1	366.7	320.2
27.5°	866.6	813.1	760.6	700.0	639.4	578.8	518.2	464.6	412.1	358.6	305.0
30°	913.1	860.6	808.1	734.3	661.6	587.9	514.1	454.5	395.9	336.4	276.8
32.5°	955.5	896.9	838.4	757.6	675.7	594.9	513.1	447.5	382.8	317.2	251.5
35°	1014.1	949.5	885.8	791.9	698.0	604.0	510.1	442.4	373.7	306.1	237.4
37.5°	1076.7	996.9	918.2	814.1	710.1	606.0	502.0	435.3	368.7	302.0	235.3
40°	1145.4	1048.5	952.5	837.3	723.2	608.1	492.9	426.2	359.6	291.9	225.2
42.5°	1189.9	1084.8	979.8	855.5	732.3	608.1	483.8	418.2	352.5	285.8	220.2
45°	1215.1	1113.1	1012.1	877.7	743.4	609.1	474.7	410.1	345.4	279.8	215.1
47.5°	1226.2	1131.3	1036.3	894.9	754.5	613.1	471.7	406.0	339.4	273.7	207.1
50°	1255.5	1171.7	1087.8	936.3	785.8	634.3	482.8	412.1	342.4	271.7	201.0
52.5°	1272.7	1201.0	1129.3	973.7	818.2	662.6	507.1	428.3	349.5	270.7	191.9
55°	1335.3	1266.6	1197.9	1032.3	865.6	700.0	533.3	446.5	359.6	271.7	184.8
57.5°	1415.1	1342.4	1270.7	1091.9	913.1	734.3	555.5	462.6	368.7	275.7	181.8
60°	1470.7	1400.0	1330.3	1140.4	949.5	759.6	568.7	471.7	374.7	276.8	179.8
62.5°	1476.7	1385.8	1295.9	1111.1	926.2	740.4	555.5	461.6	367.7	272.7	178.8
65°	1438.3	1332.3	1226.2	1049.5	872.7	695.9	519.2	433.3	347.5	260.6	174.7
67.5°	1361.6	1237.3	1113.1	951.5	789.9	628.3	466.7	392.9	320.2	246.5	172.7
70°	1182.8	1073.7	965.6	825.2	685.8	545.4	405.0	344.4	284.8	224.2	163.6
72.5°	992.9	890.9	789.9	675.7	562.6	448.5	334.3	288.9	243.4	197.0	151.5
75°	760.6	683.8	608.1	523.2	438.4	352.5	267.7	234.3	201.0	167.7	134.3
77.5°	534.3	492.9	452.5	388.9	325.2	261.6	198.0	175.8	153.5	131.3	109.1
80°	362.6	339.4	317.2	271.7	226.3	179.8	134.3	120.2	105.0	90.9	75.8
82.5°	225.2	224.2	222.2	190.9	159.6	128.3	97.0	84.8	73.7	61.6	49.5
85°	103.0	120.2	136.4	119.2	102.0	84.8	67.7	59.6	51.5	42.4	34.3
87.5°	32.3	39.4	45.5	43.4	40.4	38.4	35.4	30.3	25.3	20.2	15.2
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°	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2
2.5°	707.0	704.0	700.0	695.9	690.9	686.8	681.8	676.7	675.7	673.7	672.7
5°	609.1	603.0	595.9	589.9	583.8	576.7	570.7	563.6	558.6	552.5	547.5
7.5°	523.2	513.1	502.0	490.9	480.8	470.7	459.6	449.5	444.4	439.4	434.3
10°	454.5	444.4	435.3	425.2	418.2	412.1	405.0	398.0	391.9	385.8	379.8
12.5°	420.2	413.1	406.0	399.0	390.9	383.8	375.7	367.7	360.6	354.5	347.5
15°	399.0	388.9	377.8	367.7	356.6	346.5	335.3	324.2	316.2	309.1	301.0
17.5°	373.7	358.6	344.4	329.3	317.2	305.0	291.9	279.8	270.7	260.6	251.5
20°	345.4	328.3	310.1	292.9	278.8	265.6	251.5	237.4	227.3	216.2	206.1
22.5°	321.2	299.0	275.7	252.5	237.4	222.2	206.1	190.9	181.8	171.7	162.6
25°	294.9	270.7	245.4	220.2	205.0	188.9	173.7	157.6	150.5	144.4	137.4
27.5°	280.8	256.6	231.3	207.1	192.9	177.8	163.6	148.5	143.4	137.4	132.3
30°	252.5	229.3	205.0	180.8	170.7	161.6	151.5	141.4	139.4	138.4	136.4
32.5°	227.3	203.0	178.8	154.5	145.4	136.4	127.3	118.2	117.2	115.1	114.1
35°	214.1	190.9	166.7	143.4	135.3	126.3	118.2	109.1	107.1	104.0	102.0
37.5°	211.1	186.9	161.6	137.4	129.3	121.2	112.1	104.0	102.0	100.0	98.0
40°	203.0	179.8	157.6	134.3	126.3	118.2	109.1	101.0	99.0	97.0	94.9
42.5°	197.0	174.7	151.5	128.3	121.2	114.1	106.1	99.0	97.0	94.9	91.9
45°	191.9	168.7	144.4	121.2	116.2	111.1	105.0	100.0	98.0	94.9	92.9
47.5°	183.8	161.6	138.4	115.1	110.1	106.1	101.0	96.0	93.9	91.9	89.9
50°	177.8	154.5	131.3	108.1	104.0	100.0	96.0	91.9	91.9	92.9	92.9
52.5°	169.7	147.5	125.2	103.0	99.0	94.9	90.9	86.9	87.9	88.9	89.9
55°	162.6	141.4	119.2	97.0	92.9	88.9	83.8	79.8	80.8	81.8	82.8
57.5°	159.6	137.4	115.1	92.9	88.9	83.8	79.8	74.7	74.7	74.7	74.7
60°	157.6	134.3	112.1	88.9	83.8	79.8	74.7	69.7	68.7	68.7	67.7
62.5°	156.6	133.3	111.1	87.9	81.8	76.8	70.7	64.6	63.6	62.6	61.6
65°	152.5	131.3	109.1	86.9	79.8	73.7	66.7	59.6	58.6	58.6	57.6
67.5°	151.5	129.3	108.1	85.9	78.8	70.7	63.6	55.6	54.5	53.5	52.5
70°	143.4	124.2	104.0	83.8	75.8	68.7	60.6	52.5	51.5	49.5	48.5
72.5°	133.3	116.2	98.0	79.8	71.7	63.6	55.6	47.5	46.5	45.5	43.4
75°	118.2	102.0	85.9	69.7	62.6	56.6	49.5	42.4	41.4	40.4	38.4
77.5°	97.0	83.8	71.7	58.6	53.5	48.5	43.4	38.4	37.4	36.4	34.3
80°	68.7	60.6	53.5	45.5	42.4	38.4	35.4	31.3	31.3	30.3	30.3
82.5°	45.5	41.4	37.4	33.3	31.3	29.3	27.3	25.3	25.3	24.2	24.2
85°	32.3	30.3	27.3	25.3	24.2	22.2	21.2	19.2	19.2	19.2	19.2
87.5°	15.2	15.2	14.1	14.1	13.1	13.1	12.1	11.1	11.1	11.1	11.1
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



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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: P676031

CATALOG NUMBER: CCW-SA-1B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2
2.5°	670.7	667.7	664.6	660.6	657.6	653.5	648.5	644.4	639.4	639.4	638.4
5°	541.4	538.4	535.3	531.3	528.3	524.2	521.2	517.2	513.1	513.1	512.1
7.5°	429.3	423.2	417.2	410.1	404.0	400.0	395.9	390.9	386.9	383.8	380.8
10°	373.7	367.7	360.6	354.5	347.5	342.4	337.4	331.3	326.3	322.2	318.2
12.5°	340.4	333.3	326.3	319.2	312.1	305.0	299.0	291.9	284.8	279.8	274.7
15°	292.9	285.8	278.8	271.7	264.6	256.6	248.5	239.4	231.3	227.3	224.2
17.5°	241.4	234.3	226.3	219.2	211.1	205.0	199.0	192.9	186.9	182.8	179.8
20°	194.9	186.9	178.8	170.7	162.6	158.6	154.5	150.5	146.5	143.4	141.4
22.5°	152.5	147.5	143.4	138.4	133.3	130.3	128.3	125.2	122.2	122.2	122.2
25°	130.3	127.3	125.2	122.2	119.2	118.2	117.2	115.1	114.1	113.1	113.1
27.5°	126.3	123.2	120.2	117.2	114.1	113.1	112.1	110.1	109.1	109.1	109.1
30°	134.3	133.3	132.3	131.3	130.3	128.3	125.2	123.2	120.2	118.2	116.2
32.5°	112.1	111.1	111.1	110.1	109.1	111.1	112.1	114.1	115.1	116.2	117.2
35°	99.0	97.0	94.9	92.9	90.9	89.9	88.9	87.9	86.9	86.9	85.9
37.5°	96.0	93.9	91.9	89.9	87.9	86.9	85.9	84.8	83.8	83.8	82.8
40°	92.9	90.9	89.9	87.9	85.9	84.8	83.8	81.8	80.8	79.8	79.8
42.5°	89.9	88.9	86.9	85.9	83.8	82.8	81.8	79.8	78.8	77.8	76.8
45°	89.9	87.9	85.9	83.8	81.8	80.8	78.8	77.8	75.8	75.8	74.7
47.5°	87.9	85.9	83.8	81.8	79.8	78.8	76.8	75.8	73.7	72.7	71.7
50°	92.9	89.9	85.9	82.8	78.8	77.8	75.8	74.7	72.7	71.7	70.7
52.5°	90.9	87.9	83.8	80.8	76.8	74.7	73.7	71.7	69.7	68.7	67.7
55°	83.8	80.8	78.8	75.8	72.7	70.7	68.7	66.7	64.6	63.6	63.6
57.5°	74.7	73.7	72.7	71.7	70.7	68.7	66.7	63.6	61.6	60.6	59.6
60°	66.7	67.7	68.7	69.7	70.7	67.7	64.6	61.6	58.6	57.6	56.6
62.5°	60.6	62.6	64.6	65.7	67.7	64.6	61.6	58.6	55.6	54.5	53.5
65°	56.6	57.6	57.6	58.6	58.6	56.6	55.6	53.5	51.5	50.5	50.5
67.5°	51.5	51.5	51.5	50.5	50.5	49.5	49.5	48.5	47.5	46.5	46.5
70°	46.5	46.5	46.5	45.5	45.5	44.4	44.4	43.4	42.4	42.4	41.4
72.5°	42.4	42.4	41.4	41.4	40.4	40.4	40.4	39.4	39.4	38.4	38.4
75°	37.4	37.4	36.4	36.4	35.4	35.4	35.4	34.3	34.3	34.3	33.3
77.5°	33.3	33.3	32.3	32.3	31.3	31.3	31.3	30.3	30.3	29.3	29.3
80°	29.3	29.3	28.3	28.3	27.3	27.3	26.3	26.3	25.3	25.3	24.2
82.5°	23.2	23.2	23.2	23.2	23.2	22.2	22.2	21.2	20.2	20.2	19.2
85°	19.2	19.2	19.2	18.2	18.2	18.2	17.2	17.2	16.2	15.2	15.2
87.5°	11.1	11.1	11.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	9.1
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: P676031
 CATALOG NUMBER: CCW-SA-1B-830-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P676031

CATALOG NUMBER: CCW-SA-1B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2
2.5°	638.4	637.4	633.3	629.3	633.3	637.4	637.4	637.4	636.3	636.3	636.3
5°	512.1	511.1	509.1	507.1	507.1	506.0	508.1	510.1	512.1	514.1	516.1
7.5°	376.8	373.7	370.7	367.7	369.7	370.7	373.7	375.7	378.8	380.8	385.8
10°	314.1	310.1	307.1	304.0	302.0	300.0	298.0	297.0	294.9	292.9	294.9
12.5°	268.7	263.6	258.6	252.5	251.5	250.5	248.5	246.5	244.4	242.4	241.4
15°	220.2	216.2	214.1	211.1	207.1	203.0	201.0	200.0	198.0	196.0	194.9
17.5°	175.8	171.7	168.7	165.7	164.6	162.6	162.6	162.6	162.6	162.6	162.6
20°	138.4	135.3	135.3	134.3	134.3	133.3	134.3	135.3	135.3	136.4	137.4
22.5°	121.2	121.2	120.2	119.2	120.2	120.2	121.2	122.2	123.2	124.2	125.2
25°	112.1	111.1	112.1	113.1	113.1	113.1	114.1	114.1	115.1	115.1	115.1
27.5°	108.1	108.1	109.1	109.1	110.1	110.1	110.1	109.1	109.1	108.1	108.1
30°	114.1	112.1	112.1	112.1	111.1	110.1	109.1	109.1	108.1	107.1	106.1
32.5°	118.2	119.2	118.2	116.2	115.1	113.1	112.1	110.1	109.1	107.1	105.0
35°	85.9	84.8	86.9	87.9	88.9	89.9	90.9	91.9	91.9	92.9	92.9
37.5°	82.8	81.8	81.8	80.8	80.8	80.8	80.8	80.8	79.8	79.8	80.8
40°	78.8	77.8	77.8	76.8	76.8	75.8	75.8	75.8	75.8	75.8	75.8
42.5°	75.8	74.7	74.7	74.7	74.7	73.7	73.7	72.7	72.7	71.7	71.7
45°	74.7	73.7	72.7	71.7	71.7	70.7	70.7	70.7	69.7	69.7	69.7
47.5°	70.7	69.7	69.7	68.7	68.7	67.7	67.7	67.7	66.7	66.7	66.7
50°	68.7	67.7	67.7	66.7	66.7	65.7	65.7	65.7	64.6	64.6	64.6
52.5°	65.7	64.6	64.6	64.6	63.6	62.6	62.6	62.6	61.6	61.6	61.6
55°	62.6	61.6	61.6	61.6	60.6	59.6	59.6	59.6	58.6	58.6	58.6
57.5°	58.6	57.6	57.6	56.6	56.6	56.6	56.6	56.6	55.6	55.6	55.6
60°	55.6	54.5	54.5	53.5	53.5	52.5	52.5	52.5	52.5	52.5	52.5
62.5°	52.5	51.5	50.5	49.5	50.5	50.5	50.5	50.5	49.5	49.5	49.5
65°	49.5	48.5	47.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
67.5°	45.5	44.4	43.4	42.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
70°	41.4	40.4	40.4	39.4	39.4	38.4	38.4	39.4	39.4	39.4	39.4
72.5°	37.4	36.4	36.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
75°	33.3	32.3	32.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
77.5°	28.3	27.3	27.3	27.3	27.3	27.3	27.3	28.3	28.3	28.3	28.3
80°	24.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
82.5°	19.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
85°	14.1	13.1	13.1	13.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
87.5°	9.1	8.1	8.1	8.1	9.1	9.1	9.1	9.1	8.1	8.1	8.1
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: P676031
 CATALOG NUMBER: CCW-SA-1B-830-U-SLR

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P676031

CATALOG NUMBER: CCW-SA-1B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2
2.5°	636.3	636.3	636.3	635.3	634.3	633.3	632.3	635.3	637.4	640.4	642.4
5°	517.2	519.2	520.2	523.2	526.2	529.3	532.3	534.3	536.3	537.4	539.4
7.5°	389.9	394.9	399.0	403.0	407.1	410.1	414.1	417.2	420.2	423.2	426.2
10°	295.9	298.0	299.0	303.0	306.1	310.1	313.1	316.2	319.2	321.2	324.2
12.5°	240.4	238.4	237.4	237.4	237.4	237.4	237.4	239.4	241.4	243.4	245.4
15°	193.9	192.9	191.9	190.9	189.9	187.9	186.9	188.9	190.9	192.9	194.9
17.5°	162.6	162.6	162.6	161.6	160.6	159.6	158.6	159.6	160.6	160.6	161.6
20°	139.4	140.4	141.4	142.4	142.4	143.4	143.4	144.4	145.4	145.4	146.5
22.5°	125.2	126.3	126.3	126.3	127.3	127.3	127.3	128.3	129.3	130.3	131.3
25°	114.1	114.1	113.1	113.1	114.1	114.1	114.1	114.1	115.1	115.1	115.1
27.5°	108.1	107.1	107.1	107.1	107.1	106.1	106.1	106.1	106.1	106.1	106.1
30°	105.0	104.0	103.0	102.0	102.0	101.0	100.0	100.0	100.0	100.0	100.0
32.5°	104.0	102.0	100.0	99.0	99.0	98.0	97.0	96.0	96.0	94.9	93.9
35°	92.9	91.9	91.9	90.9	89.9	88.9	87.9	87.9	87.9	86.9	86.9
37.5°	80.8	81.8	81.8	81.8	82.8	82.8	82.8	82.8	83.8	83.8	83.8
40°	75.8	75.8	75.8	76.8	77.8	77.8	78.8	78.8	79.8	79.8	79.8
42.5°	71.7	70.7	70.7	71.7	71.7	72.7	72.7	73.7	74.7	74.7	75.8
45°	69.7	68.7	68.7	68.7	68.7	67.7	67.7	68.7	69.7	70.7	71.7
47.5°	65.7	65.7	64.6	64.6	64.6	64.6	64.6	64.6	65.7	65.7	65.7
50°	63.6	63.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
52.5°	61.6	60.6	60.6	60.6	60.6	59.6	59.6	59.6	59.6	59.6	59.6
55°	58.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	58.6	58.6	58.6
57.5°	55.6	54.5	54.5	54.5	55.6	55.6	55.6	55.6	56.6	56.6	56.6
60°	52.5	52.5	52.5	52.5	52.5	52.5	52.5	53.5	53.5	54.5	54.5
62.5°	49.5	49.5	49.5	49.5	50.5	50.5	50.5	50.5	51.5	51.5	51.5
65°	46.5	46.5	46.5	46.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
67.5°	43.4	43.4	43.4	43.4	43.4	43.4	43.4	44.4	44.4	45.5	45.5
70°	39.4	38.4	38.4	39.4	39.4	40.4	40.4	41.4	41.4	42.4	42.4
72.5°	35.4	35.4	35.4	35.4	35.4	35.4	35.4	36.4	37.4	37.4	38.4
75°	31.3	31.3	31.3	31.3	32.3	32.3	32.3	33.3	33.3	34.3	34.3
77.5°	28.3	27.3	27.3	27.3	28.3	28.3	28.3	29.3	29.3	30.3	30.3
80°	23.2	23.2	23.2	23.2	24.2	24.2	24.2	24.2	25.3	25.3	25.3
82.5°	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	20.2	20.2	20.2
85°	14.1	14.1	14.1	14.1	15.2	15.2	15.2	15.2	15.2	15.2	15.2
87.5°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	10.1	10.1	10.1
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: P676031
 CATALOG NUMBER: CCW-SA-1B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P676031

CATALOG NUMBER: CCW-SA-1B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2
2.5°	642.4	642.4	642.4	642.4	644.4	645.4	647.5	648.5	647.5	646.4	644.4
5°	540.4	541.4	541.4	542.4	542.4	542.4	542.4	542.4	544.4	546.4	548.5
7.5°	427.3	428.3	429.3	430.3	430.3	430.3	429.3	429.3	430.3	430.3	431.3
10°	327.3	331.3	334.3	337.4	335.3	332.3	330.3	327.3	327.3	327.3	326.3
12.5°	247.5	248.5	250.5	251.5	250.5	250.5	249.5	248.5	249.5	251.5	252.5
15°	196.0	196.0	197.0	197.0	198.0	199.0	199.0	200.0	202.0	203.0	205.0
17.5°	162.6	163.6	163.6	164.6	164.6	165.7	165.7	165.7	167.7	169.7	172.7
20°	146.5	146.5	146.5	146.5	146.5	145.4	145.4	144.4	145.4	147.5	148.5
22.5°	131.3	132.3	132.3	132.3	131.3	130.3	128.3	127.3	127.3	128.3	128.3
25°	115.1	114.1	114.1	113.1	113.1	114.1	114.1	114.1	115.1	115.1	116.2
27.5°	106.1	105.0	105.0	104.0	104.0	105.0	105.0	105.0	105.0	105.0	105.0
30°	99.0	99.0	98.0	97.0	98.0	98.0	99.0	99.0	100.0	100.0	101.0
32.5°	93.9	92.9	92.9	91.9	92.9	92.9	93.9	93.9	94.9	96.0	96.0
35°	86.9	86.9	86.9	86.9	86.9	86.9	85.9	85.9	85.9	85.9	85.9
37.5°	82.8	82.8	81.8	80.8	80.8	80.8	80.8	80.8	79.8	78.8	77.8
40°	79.8	78.8	78.8	77.8	76.8	76.8	75.8	74.7	74.7	73.7	73.7
42.5°	75.8	74.7	74.7	73.7	72.7	72.7	71.7	70.7	70.7	70.7	69.7
45°	70.7	70.7	69.7	68.7	68.7	68.7	67.7	67.7	67.7	67.7	66.7
47.5°	65.7	65.7	64.6	64.6	64.6	64.6	63.6	63.6	63.6	63.6	63.6
50°	62.6	62.6	62.6	62.6	62.6	62.6	61.6	61.6	61.6	61.6	61.6
52.5°	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
55°	58.6	58.6	58.6	58.6	58.6	58.6	57.6	57.6	57.6	58.6	58.6
57.5°	56.6	56.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
60°	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
62.5°	51.5	51.5	51.5	51.5	51.5	52.5	52.5	52.5	52.5	52.5	51.5
65°	47.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
67.5°	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
70°	42.4	42.4	41.4	41.4	41.4	42.4	42.4	42.4	42.4	42.4	42.4
72.5°	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	39.4	39.4
75°	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
77.5°	30.3	30.3	29.3	29.3	29.3	30.3	30.3	30.3	30.3	31.3	31.3
80°	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	26.3	26.3
82.5°	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	21.2	21.2
85°	15.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	17.2	17.2
87.5°	10.1	10.1	10.1	10.1	10.1	10.1	9.1	9.1	9.1	9.1	8.1
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: P676031
 CATALOG NUMBER: CCW-SA-1B-830-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P676031

CATALOG NUMBER: CCW-SA-1B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2
2.5°	643.4	644.4	645.4	645.4	646.4	647.5	647.5	651.5	655.5	657.6	659.6
5°	550.5	549.5	549.5	548.5	547.5	550.5	553.5	559.6	565.6	566.6	568.7
7.5°	431.3	432.3	433.3	433.3	434.3	431.3	427.3	428.3	429.3	434.3	438.4
10°	326.3	327.3	328.3	328.3	329.3	328.3	326.3	329.3	332.3	336.4	341.4
12.5°	253.5	256.6	259.6	261.6	264.6	266.7	267.7	271.7	274.7	279.8	284.8
15°	207.1	209.1	211.1	213.1	215.1	217.2	219.2	223.2	227.3	233.3	239.4
17.5°	174.7	174.7	175.8	175.8	175.8	177.8	179.8	181.8	182.8	188.9	194.9
20°	149.5	148.5	147.5	146.5	145.4	147.5	148.5	149.5	150.5	154.5	157.6
22.5°	128.3	128.3	129.3	129.3	129.3	128.3	126.3	127.3	127.3	129.3	132.3
25°	116.2	116.2	116.2	115.1	115.1	116.2	117.2	117.2	116.2	117.2	118.2
27.5°	105.0	106.1	106.1	107.1	107.1	108.1	108.1	108.1	108.1	109.1	110.1
30°	101.0	101.0	102.0	102.0	102.0	103.0	104.0	104.0	104.0	105.0	107.1
32.5°	97.0	98.0	99.0	100.0	101.0	102.0	102.0	103.0	103.0	104.0	105.0
35°	85.9	84.8	84.8	83.8	82.8	82.8	82.8	82.8	81.8	82.8	82.8
37.5°	76.8	76.8	76.8	75.8	75.8	76.8	76.8	76.8	76.8	77.8	77.8
40°	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.7	73.7	74.7	75.8
42.5°	69.7	69.7	69.7	69.7	69.7	70.7	70.7	70.7	70.7	71.7	71.7
45°	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.7	67.7	68.7	69.7
47.5°	63.6	63.6	63.6	63.6	63.6	64.6	65.7	65.7	65.7	66.7	66.7
50°	61.6	61.6	61.6	61.6	61.6	62.6	62.6	63.6	63.6	64.6	65.7
52.5°	59.6	59.6	59.6	59.6	59.6	60.6	60.6	61.6	61.6	62.6	63.6
55°	58.6	58.6	58.6	57.6	57.6	58.6	58.6	59.6	59.6	60.6	60.6
57.5°	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.6	56.6	57.6	58.6
60°	54.5	54.5	53.5	53.5	52.5	53.5	53.5	54.5	54.5	55.6	55.6
62.5°	51.5	51.5	51.5	50.5	50.5	51.5	51.5	51.5	51.5	52.5	53.5
65°	48.5	48.5	48.5	47.5	47.5	48.5	48.5	48.5	48.5	49.5	50.5
67.5°	45.5	45.5	45.5	44.4	44.4	44.4	44.4	45.5	45.5	46.5	47.5
70°	42.4	42.4	42.4	41.4	41.4	41.4	40.4	41.4	42.4	43.4	43.4
72.5°	39.4	39.4	39.4	38.4	38.4	38.4	37.4	38.4	38.4	39.4	39.4
75°	34.3	34.3	34.3	34.3	34.3	34.3	33.3	33.3	33.3	34.3	34.3
77.5°	31.3	31.3	31.3	30.3	30.3	30.3	29.3	29.3	29.3	30.3	30.3
80°	26.3	26.3	26.3	25.3	25.3	25.3	24.2	24.2	24.2	25.3	25.3
82.5°	21.2	21.2	21.2	20.2	20.2	20.2	19.2	19.2	19.2	20.2	20.2
85°	17.2	17.2	17.2	17.2	17.2	17.2	16.2	16.2	16.2	17.2	18.2
87.5°	8.1	8.1	9.1	9.1	9.1	9.1	8.1	8.1	7.1	7.1	8.1
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: P676031
 CATALOG NUMBER: CCW-SA-1B-830-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P676031

CATALOG NUMBER: CCW-SA-1B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2
2.5°	661.6	663.6	668.7	672.7	677.8	681.8	684.8	688.9	691.9	694.9	696.9
5°	569.7	570.7	575.7	580.8	584.8	589.9	597.0	604.0	611.1	618.2	623.2
7.5°	443.4	447.5	453.5	460.6	466.7	472.7	479.8	487.9	494.9	502.0	509.1
10°	345.4	349.5	355.5	361.6	366.7	372.7	380.8	388.9	397.0	405.0	413.1
12.5°	289.9	294.9	302.0	309.1	315.1	322.2	332.3	341.4	351.5	360.6	370.7
15°	244.4	250.5	259.6	269.7	278.8	287.9	298.0	308.1	317.2	327.3	337.4
17.5°	201.0	207.1	215.1	224.2	232.3	240.4	252.5	263.6	275.7	286.9	298.0
20°	161.6	164.6	172.7	180.8	188.9	197.0	206.1	215.1	224.2	233.3	247.5
22.5°	134.3	136.4	140.4	143.4	147.5	150.5	159.6	168.7	176.8	185.9	199.0
25°	118.2	119.2	122.2	124.2	127.3	129.3	135.3	140.4	146.5	151.5	163.6
27.5°	110.1	111.1	112.1	113.1	114.1	115.1	119.2	123.2	126.3	130.3	141.4
30°	108.1	109.1	112.1	114.1	117.2	119.2	121.2	123.2	125.2	127.3	134.3
32.5°	106.1	107.1	107.1	106.1	106.1	105.0	107.1	108.1	110.1	111.1	117.2
35°	83.8	83.8	84.8	85.9	86.9	87.9	90.9	92.9	96.0	98.0	103.0
37.5°	78.8	78.8	79.8	81.8	82.8	83.8	85.9	87.9	89.9	91.9	97.0
40°	75.8	76.8	77.8	78.8	79.8	80.8	82.8	83.8	85.9	86.9	90.9
42.5°	72.7	72.7	73.7	75.8	76.8	77.8	79.8	80.8	82.8	83.8	87.9
45°	70.7	71.7	72.7	73.7	73.7	74.7	76.8	78.8	79.8	81.8	85.9
47.5°	67.7	67.7	69.7	70.7	72.7	73.7	75.8	76.8	78.8	79.8	83.8
50°	65.7	66.7	68.7	69.7	71.7	72.7	75.8	77.8	80.8	82.8	84.8
52.5°	63.6	64.6	66.7	67.7	69.7	70.7	74.7	78.8	81.8	85.9	85.9
55°	61.6	61.6	63.6	66.7	68.7	70.7	72.7	75.8	77.8	79.8	79.8
57.5°	58.6	59.6	61.6	64.6	66.7	68.7	70.7	72.7	73.7	75.8	74.7
60°	56.6	56.6	59.6	62.6	65.7	68.7	68.7	68.7	67.7	67.7	67.7
62.5°	53.5	54.5	58.6	63.6	67.7	71.7	68.7	65.7	62.6	59.6	60.6
65°	51.5	52.5	54.5	57.6	59.6	61.6	59.6	58.6	56.6	54.5	55.6
67.5°	47.5	48.5	49.5	49.5	50.5	50.5	50.5	50.5	50.5	50.5	51.5
70°	44.4	44.4	44.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	46.5
72.5°	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	41.4
75°	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	36.4
77.5°	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	30.3	30.3	31.3
80°	26.3	26.3	26.3	26.3	25.3	25.3	25.3	25.3	25.3	25.3	26.3
82.5°	21.2	21.2	21.2	21.2	20.2	20.2	20.2	20.2	19.2	19.2	20.2
85°	19.2	20.2	20.2	21.2	21.2	21.2	20.2	19.2	18.2	17.2	17.2
87.5°	8.1	8.1	8.1	8.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
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: P676031
 CATALOG NUMBER: CCW-SA-1B-830-U-SLR

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P676031

CATALOG NUMBER: CCW-SA-1B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2
2.5°	700.0	702.0	704.0	707.0	711.1	714.1	717.1	723.2	730.3	736.3	742.4
5°	628.3	633.3	638.4	644.4	650.5	655.5	661.6	673.7	685.8	696.9	709.1
7.5°	515.1	522.2	528.3	538.4	547.5	557.6	566.6	581.8	595.9	611.1	625.2
10°	421.2	429.3	437.4	450.5	464.6	477.8	490.9	503.0	516.1	528.3	540.4
12.5°	380.8	389.9	400.0	408.1	417.2	425.2	433.3	447.5	461.6	475.7	489.9
15°	347.5	357.6	367.7	377.8	386.9	397.0	406.0	418.2	431.3	443.4	455.5
17.5°	309.1	319.2	330.3	341.4	352.5	363.6	374.7	391.9	409.1	425.2	442.4
20°	260.6	274.7	287.9	303.0	318.2	333.3	348.5	366.7	384.8	402.0	420.2
22.5°	212.1	225.2	238.4	256.6	274.7	291.9	310.1	334.3	357.6	381.8	405.0
25°	176.8	188.9	201.0	221.2	240.4	260.6	279.8	309.1	337.4	366.7	394.9
27.5°	152.5	163.6	174.7	196.0	217.2	237.4	258.6	290.9	322.2	354.5	385.8
30°	141.4	148.5	155.6	175.8	196.0	215.1	235.3	266.7	298.0	329.3	360.6
32.5°	123.2	129.3	135.3	153.5	171.7	188.9	207.1	239.4	270.7	303.0	334.3
35°	109.1	114.1	119.2	136.4	152.5	169.7	185.9	218.2	250.5	282.8	315.1
37.5°	101.0	106.1	110.1	125.2	141.4	156.6	171.7	204.0	235.3	267.7	299.0
40°	94.9	98.0	102.0	117.2	131.3	146.5	160.6	189.9	220.2	249.5	278.8
42.5°	90.9	94.9	98.0	111.1	125.2	138.4	151.5	179.8	208.1	235.3	263.6
45°	89.9	93.9	98.0	109.1	120.2	130.3	141.4	168.7	196.0	223.2	250.5
47.5°	87.9	90.9	94.9	104.0	112.1	121.2	129.3	156.6	183.8	210.1	237.4
50°	86.9	87.9	89.9	98.0	106.1	114.1	122.2	149.5	176.8	204.0	231.3
52.5°	85.9	85.9	85.9	92.9	100.0	106.1	113.1	140.4	168.7	196.0	223.2
55°	79.8	78.8	78.8	85.9	91.9	99.0	105.0	132.3	159.6	185.9	213.1
57.5°	73.7	72.7	71.7	77.8	83.8	89.9	96.0	123.2	151.5	178.8	206.1
60°	67.7	66.7	66.7	72.7	77.8	83.8	88.9	117.2	144.4	172.7	200.0
62.5°	60.6	61.6	61.6	66.7	72.7	77.8	82.8	111.1	140.4	168.7	197.0
65°	55.6	56.6	56.6	62.6	68.7	74.7	80.8	108.1	136.4	163.6	190.9
67.5°	51.5	52.5	52.5	59.6	65.7	72.7	78.8	103.0	128.3	152.5	176.8
70°	47.5	47.5	48.5	55.6	62.6	69.7	76.8	98.0	119.2	139.4	160.6
72.5°	42.4	43.4	44.4	51.5	57.6	64.6	70.7	89.9	109.1	128.3	147.5
75°	37.4	38.4	39.4	45.5	51.5	57.6	63.6	81.8	99.0	117.2	134.3
77.5°	33.3	34.3	35.4	40.4	45.5	50.5	55.6	68.7	82.8	96.0	109.1
80°	27.3	27.3	28.3	32.3	36.4	39.4	43.4	52.5	61.6	69.7	78.8
82.5°	20.2	21.2	21.2	24.2	26.3	29.3	31.3	36.4	40.4	45.5	49.5
85°	17.2	16.2	16.2	18.2	19.2	21.2	22.2	25.3	27.3	30.3	32.3
87.5°	7.1	6.1	6.1	7.1	9.1	10.1	11.1	11.1	12.1	12.1	12.1
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: P676031
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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: P676031

CATALOG NUMBER: CCW-SA-1B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2
2.5°	745.4	747.5	750.5	752.5	757.6	761.6	766.6	770.7	773.7	778.8	776.7
5°	718.2	727.2	736.3	745.4	752.5	759.6	765.6	772.7	780.8	795.9	800.0
7.5°	637.4	649.5	660.6	672.7	686.8	701.0	715.1	729.3	742.4	761.6	773.7
10°	557.6	574.7	590.9	608.1	621.2	634.3	646.4	659.6	677.8	696.9	719.2
12.5°	507.1	524.2	541.4	558.6	577.8	595.9	615.1	633.3	650.5	665.6	690.9
15°	473.7	492.9	511.1	529.3	552.5	574.7	598.0	620.2	645.4	665.6	682.8
17.5°	465.6	488.9	511.1	534.3	558.6	582.8	607.1	631.3	656.5	686.8	709.1
20°	451.5	482.8	514.1	545.4	576.7	607.1	638.4	668.7	702.0	738.4	748.5
22.5°	443.4	480.8	519.2	556.5	599.0	642.4	684.8	727.2	762.6	789.9	820.2
25°	442.4	488.9	536.3	582.8	636.3	688.9	742.4	794.9	840.4	867.6	891.9
27.5°	441.4	498.0	553.5	609.1	674.7	739.4	805.0	869.7	912.1	951.5	971.7
30°	429.3	497.0	565.6	633.3	707.0	780.8	854.5	928.3	971.7	999.0	1009.1
32.5°	414.1	493.9	573.7	653.5	737.3	821.2	904.0	987.8	1022.2	1045.4	1037.3
35°	402.0	489.9	576.7	663.6	752.5	842.4	931.3	1020.2	1069.7	1102.0	1088.9
37.5°	390.9	482.8	574.7	666.6	770.7	874.7	978.8	1082.8	1130.3	1164.6	1149.5
40°	377.8	475.7	574.7	672.7	791.9	910.1	1029.3	1147.4	1209.1	1238.3	1215.1
42.5°	366.7	468.7	571.7	673.7	801.0	928.3	1055.5	1182.8	1251.5	1292.9	1263.6
45°	352.5	454.5	555.5	657.6	798.0	938.4	1077.7	1218.1	1297.9	1330.3	1289.9
47.5°	337.4	438.4	538.4	638.4	787.9	937.3	1086.8	1236.3	1310.1	1348.4	1311.1
50°	332.3	433.3	533.3	634.3	795.9	958.6	1120.2	1281.8	1335.3	1366.6	1317.1
52.5°	331.3	438.4	546.4	653.5	816.1	977.7	1140.4	1302.0	1345.4	1378.7	1334.3
55°	328.3	444.4	559.6	674.7	844.4	1015.1	1184.8	1354.5	1397.9	1422.2	1388.8
57.5°	331.3	456.6	580.8	706.0	880.8	1055.5	1230.3	1405.0	1457.5	1474.7	1467.6
60°	333.3	466.7	599.0	732.3	903.0	1073.7	1244.4	1415.1	1469.6	1512.1	1520.2
62.5°	328.3	459.6	589.9	721.2	875.7	1030.3	1184.8	1339.4	1429.2	1491.9	1528.2
65°	313.1	434.3	556.5	677.8	820.2	963.6	1106.0	1248.4	1343.4	1436.3	1465.6
67.5°	279.8	382.8	485.8	588.9	713.1	837.3	960.6	1084.8	1204.0	1293.9	1334.3
70°	242.4	323.2	405.0	485.8	599.0	712.1	825.2	938.4	1043.4	1142.4	1180.8
72.5°	211.1	273.7	337.4	400.0	480.8	560.6	641.4	721.2	845.4	944.4	981.8
75°	179.8	225.2	269.7	315.1	370.7	426.2	480.8	536.3	624.2	713.1	750.5
77.5°	138.4	168.7	198.0	227.3	265.6	303.0	341.4	378.8	440.4	507.1	526.2
80°	96.0	113.1	129.3	146.5	176.8	207.1	237.4	267.7	308.1	345.4	374.7
82.5°	59.6	70.7	80.8	90.9	115.1	139.4	162.6	186.9	203.0	205.0	234.3
85°	38.4	45.5	51.5	57.6	71.7	86.9	101.0	115.1	103.0	96.0	114.1
87.5°	15.2	19.2	22.2	25.3	24.2	23.2	22.2	21.2	18.2	16.2	20.2
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: P676031
 CATALOG NUMBER: CCW-SA-1B-830-U-SLR

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P676031

CATALOG NUMBER: CCW-SA-1B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2
2.5°	778.8	781.8	784.8	786.8	789.9	790.9	791.9	791.9	792.9	793.9	795.9
5°	816.1	822.2	828.3	833.3	839.4	844.4	848.5	853.5	857.5	857.5	856.5
7.5°	784.8	800.0	815.1	830.3	845.4	856.5	866.6	877.7	887.8	889.9	891.9
10°	743.4	759.6	774.7	790.9	806.0	823.2	839.4	855.5	872.7	875.7	879.8
12.5°	705.0	724.2	743.4	761.6	780.8	792.9	805.0	816.1	828.3	836.3	844.4
15°	704.0	720.2	736.3	751.5	767.7	774.7	781.8	787.9	794.9	794.9	795.9
17.5°	727.2	737.3	747.5	756.5	766.6	767.7	769.7	770.7	771.7	768.7	765.6
20°	772.7	776.7	780.8	784.8	788.9	781.8	775.7	768.7	761.6	753.5	746.4
22.5°	839.4	830.3	821.2	812.1	803.0	790.9	777.8	765.6	752.5	742.4	732.3
25°	902.0	890.9	879.8	868.7	857.5	831.3	805.0	777.8	751.5	740.4	729.3
27.5°	985.8	968.7	951.5	934.3	917.1	881.8	846.4	811.1	775.7	756.5	738.4
30°	1006.0	986.8	967.6	947.4	928.3	893.9	860.6	826.2	791.9	769.7	748.5
32.5°	1035.3	1013.1	990.9	968.7	946.4	913.1	879.8	845.4	812.1	791.9	770.7
35°	1083.8	1058.6	1033.3	1007.0	981.8	947.4	914.1	879.8	845.4	822.2	800.0
37.5°	1125.2	1095.9	1066.6	1037.3	1008.0	977.7	946.4	916.1	884.8	861.6	839.4
40°	1171.7	1139.4	1107.0	1075.7	1043.4	1015.1	986.8	957.5	929.3	911.1	892.9
42.5°	1212.1	1172.7	1134.3	1095.9	1056.5	1037.3	1019.2	1000.0	980.8	971.7	961.6
45°	1240.4	1204.0	1166.6	1130.3	1093.9	1079.8	1065.6	1051.5	1037.3	1046.4	1055.5
47.5°	1252.5	1223.2	1194.9	1166.6	1137.3	1142.4	1147.4	1151.5	1156.5	1168.6	1181.8
50°	1263.6	1247.4	1230.3	1214.1	1196.9	1216.1	1234.3	1253.5	1272.7	1297.9	1323.2
52.5°	1285.8	1276.7	1268.6	1259.6	1250.5	1283.8	1317.1	1350.5	1383.8	1412.1	1440.4
55°	1352.5	1345.4	1338.3	1330.3	1323.2	1370.7	1417.1	1464.6	1512.1	1541.4	1570.7
57.5°	1444.4	1440.4	1435.3	1431.3	1426.2	1472.7	1518.1	1563.6	1610.0	1638.3	1667.6
60°	1514.1	1515.1	1515.1	1516.1	1516.1	1551.5	1586.8	1623.2	1658.5	1682.8	1708.0
62.5°	1551.5	1549.4	1547.4	1545.4	1543.4	1572.7	1602.0	1631.3	1660.6	1678.7	1696.9
65°	1511.1	1522.2	1533.3	1544.4	1555.5	1559.5	1562.6	1566.6	1569.6	1580.8	1591.9
67.5°	1375.7	1397.9	1419.1	1441.4	1462.6	1447.4	1433.3	1418.1	1403.0	1406.0	1408.0
70°	1225.2	1250.5	1276.7	1302.0	1327.2	1291.9	1256.5	1220.2	1184.8	1172.7	1160.6
72.5°	1033.3	1055.5	1078.8	1101.0	1123.2	1079.8	1037.3	993.9	950.5	929.3	908.1
75°	789.9	816.1	843.4	869.7	895.9	847.4	798.0	749.5	700.0	685.8	672.7
77.5°	575.7	607.1	638.4	669.7	701.0	657.6	614.1	569.7	526.2	518.2	510.1
80°	419.2	443.4	466.7	490.9	514.1	488.9	463.6	438.4	413.1	412.1	411.1
82.5°	282.8	304.0	324.2	345.4	365.6	355.5	346.5	336.4	326.3	336.4	347.5
85°	145.4	174.7	205.0	234.3	263.6	260.6	258.6	255.5	252.5	265.6	277.8
87.5°	29.3	54.5	79.8	104.0	129.3	123.2	117.2	110.1	104.0	108.1	111.1
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



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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: P676031

CATALOG NUMBER: CCW-SA-1B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2
2.5°	796.9	798.0	798.0	798.0	798.0	798.0	795.9	794.9	792.9	790.9	787.9
5°	856.5	855.5	851.5	847.4	842.4	838.4	835.3	831.3	828.3	824.2	818.2
7.5°	893.9	895.9	888.9	882.8	875.7	868.7	861.6	854.5	847.4	840.4	826.2
10°	882.8	885.8	881.8	877.7	872.7	868.7	860.6	851.5	843.4	834.3	817.1
12.5°	851.5	859.6	857.5	855.5	853.5	851.5	846.4	840.4	835.3	829.3	810.1
15°	795.9	795.9	796.9	798.0	798.0	799.0	800.0	801.0	802.0	803.0	791.9
17.5°	762.6	759.6	759.6	759.6	759.6	759.6	763.6	768.7	772.7	776.7	773.7
20°	738.4	731.3	730.3	730.3	729.3	728.3	735.3	743.4	750.5	757.6	761.6
22.5°	722.2	712.1	711.1	710.1	709.1	708.1	717.1	726.2	735.3	744.4	758.6
25°	718.2	707.0	708.1	709.1	709.1	710.1	717.1	724.2	731.3	738.4	762.6
27.5°	719.2	701.0	702.0	703.0	703.0	704.0	715.1	725.2	736.3	746.4	776.7
30°	726.2	705.0	703.0	701.0	699.0	696.9	712.1	727.2	742.4	757.6	780.8
32.5°	750.5	730.3	725.2	720.2	715.1	710.1	728.3	745.4	763.6	780.8	800.0
35°	776.7	754.5	752.5	750.5	747.5	745.4	761.6	778.8	794.9	811.1	828.3
37.5°	816.1	793.9	791.9	788.9	786.8	783.8	802.0	819.2	837.3	854.5	869.7
40°	874.7	856.5	855.5	855.5	854.5	853.5	867.6	882.8	896.9	911.1	921.2
42.5°	952.5	943.4	946.4	950.5	953.5	956.5	967.6	979.8	990.9	1002.0	999.0
45°	1064.6	1073.7	1074.7	1075.7	1076.7	1077.7	1080.8	1084.8	1087.8	1090.9	1078.8
47.5°	1193.9	1206.0	1212.1	1218.1	1223.2	1229.3	1225.2	1220.2	1216.1	1211.1	1180.8
50°	1347.4	1372.7	1371.7	1370.7	1368.6	1367.6	1359.6	1351.5	1342.4	1334.3	1289.9
52.5°	1468.6	1496.9	1502.0	1507.0	1512.1	1517.1	1502.0	1486.8	1470.7	1455.5	1400.0
55°	1598.9	1628.2	1629.2	1630.2	1630.2	1631.3	1610.0	1588.8	1566.6	1545.4	1487.8
57.5°	1695.9	1724.2	1721.2	1719.1	1716.1	1713.1	1687.8	1662.6	1637.3	1612.1	1554.5
60°	1732.3	1756.5	1750.4	1744.4	1737.3	1731.3	1712.1	1692.9	1672.7	1653.5	1597.9
62.5°	1715.1	1733.3	1724.2	1716.1	1707.0	1697.9	1673.7	1648.4	1624.2	1598.9	1558.5
65°	1602.0	1613.1	1601.0	1589.8	1578.7	1566.6	1546.4	1526.2	1505.0	1484.8	1457.5
67.5°	1411.1	1413.1	1412.1	1411.1	1410.1	1409.0	1379.8	1350.5	1320.2	1290.9	1288.8
70°	1149.5	1137.3	1139.4	1142.4	1144.4	1146.4	1124.2	1103.0	1080.8	1058.6	1068.7
72.5°	886.8	865.6	870.7	876.7	881.8	886.8	868.7	851.5	833.3	815.1	829.3
75°	658.6	645.4	650.5	656.5	661.6	666.6	659.6	652.5	644.4	637.4	650.5
77.5°	502.0	493.9	494.9	494.9	495.9	495.9	497.0	499.0	500.0	501.0	515.1
80°	409.1	408.1	407.1	406.0	404.0	403.0	413.1	423.2	433.3	443.4	450.5
82.5°	357.6	367.7	361.6	356.6	350.5	344.4	353.5	362.6	371.7	380.8	377.8
85°	290.9	303.0	291.9	280.8	268.7	257.6	265.6	272.7	280.8	287.9	283.8
87.5°	115.1	118.2	100.0	82.8	64.6	46.5	73.7	100.0	127.3	153.5	157.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: CCW-SA-1B-830-U-SLR

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P676031

CATALOG NUMBER: CCW-SA-1B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2	727.2
2.5°	784.8	780.8	777.8	776.7	774.7	773.7	771.7	769.7	766.6	764.6	761.6
5°	811.1	805.0	798.0	787.9	778.8	768.7	758.6	749.5	740.4	730.3	721.2
7.5°	812.1	798.0	783.8	770.7	756.5	743.4	729.3	717.1	704.0	690.9	678.8
10°	801.0	783.8	766.6	749.5	733.3	716.1	699.0	684.8	669.7	654.5	640.4
12.5°	791.9	772.7	753.5	733.3	714.1	693.9	673.7	659.6	645.4	631.3	617.2
15°	780.8	768.7	757.6	739.4	721.2	703.0	684.8	665.6	647.5	628.3	609.1
17.5°	771.7	768.7	765.6	753.5	741.4	728.3	716.1	696.9	677.8	657.6	638.4
20°	766.6	770.7	774.7	768.7	762.6	755.5	749.5	735.3	721.2	706.0	691.9
22.5°	772.7	787.9	802.0	803.0	805.0	806.0	807.0	793.9	780.8	766.6	753.5
25°	786.8	811.1	835.3	848.5	861.6	875.7	888.9	880.8	872.7	864.6	856.5
27.5°	806.0	836.3	866.6	885.8	904.0	923.2	942.4	941.4	940.4	938.4	937.3
30°	803.0	826.2	849.5	872.7	895.9	919.2	942.4	954.5	965.6	977.7	989.9
32.5°	820.2	839.4	859.6	883.8	908.1	933.3	957.5	982.8	1007.0	1032.3	1057.5
35°	846.4	863.6	881.8	908.1	935.3	961.6	988.9	1019.2	1050.5	1081.8	1112.1
37.5°	885.8	901.0	917.1	939.4	962.6	984.8	1008.0	1052.5	1096.9	1142.4	1186.8
40°	931.3	941.4	951.5	972.7	993.9	1015.1	1036.3	1091.9	1147.4	1203.0	1258.5
42.5°	996.9	993.9	990.9	1008.0	1026.2	1043.4	1061.6	1112.1	1162.6	1213.1	1263.6
45°	1066.6	1054.5	1042.4	1050.5	1059.6	1067.6	1076.7	1128.2	1179.8	1232.3	1283.8
47.5°	1150.5	1120.2	1089.9	1082.8	1075.7	1067.6	1060.6	1116.1	1171.7	1228.2	1283.8
50°	1245.4	1200.0	1155.5	1137.3	1118.1	1100.0	1080.8	1126.2	1172.7	1219.2	1264.6
52.5°	1344.4	1287.8	1232.3	1204.0	1175.7	1146.4	1118.1	1156.5	1195.9	1235.3	1273.7
55°	1429.2	1371.7	1313.1	1279.8	1246.4	1213.1	1179.8	1218.1	1256.5	1294.9	1333.3
57.5°	1496.9	1439.3	1381.8	1350.5	1318.1	1286.8	1254.5	1290.9	1328.2	1365.6	1402.0
60°	1543.4	1487.8	1432.3	1402.0	1371.7	1341.4	1311.1	1354.5	1397.9	1442.4	1485.8
62.5°	1519.1	1478.7	1438.3	1425.2	1412.1	1397.9	1384.8	1426.2	1466.6	1508.0	1549.4
65°	1430.3	1403.0	1375.7	1388.8	1403.0	1416.1	1430.3	1457.5	1484.8	1513.1	1540.4
67.5°	1285.8	1283.8	1280.8	1310.1	1339.4	1369.7	1398.9	1417.1	1434.3	1452.5	1470.7
70°	1078.8	1089.9	1100.0	1150.5	1201.0	1251.5	1302.0	1309.0	1316.1	1323.2	1330.3
72.5°	844.4	858.6	873.7	940.4	1006.0	1072.7	1139.4	1135.3	1131.3	1126.2	1122.2
75°	664.6	677.8	691.9	753.5	815.1	876.7	938.4	921.2	905.0	887.8	870.7
77.5°	530.3	544.4	559.6	617.2	674.7	733.3	790.9	749.5	708.1	666.6	625.2
80°	456.6	463.6	469.7	509.1	547.5	586.8	626.2	583.8	540.4	497.0	454.5
82.5°	374.7	370.7	367.7	390.9	414.1	437.4	460.6	420.2	379.8	338.4	298.0
85°	279.8	275.7	271.7	283.8	295.9	309.1	321.2	274.7	228.3	180.8	134.3
87.5°	162.6	166.7	170.7	183.8	197.0	211.1	224.2	176.8	129.3	80.8	33.3
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



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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°	727.2	727.2
2.5°	755.5	750.5
5°	714.1	707.0
7.5°	668.7	659.6
10°	627.3	615.1
12.5°	601.0	585.8
15°	590.9	572.7
17.5°	621.2	604.0
20°	667.7	644.4
22.5°	724.2	695.9
25°	822.2	787.9
27.5°	902.0	866.6
30°	951.5	913.1
32.5°	1006.0	955.5
35°	1062.6	1014.1
37.5°	1131.3	1076.7
40°	1202.0	1145.4
42.5°	1226.2	1189.9
45°	1249.5	1215.1
47.5°	1254.5	1226.2
50°	1259.6	1255.5
52.5°	1273.7	1272.7
55°	1334.3	1335.3
57.5°	1409.0	1415.1
60°	1477.7	1470.7
62.5°	1513.1	1476.7
65°	1488.8	1438.3
67.5°	1416.1	1361.6
70°	1256.5	1182.8
72.5°	1057.5	992.9
75°	815.1	760.6
77.5°	579.8	534.3
80°	408.1	362.6
82.5°	261.6	225.2
85°	118.2	103.0
87.5°	33.3	32.3
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)