

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: CORELITE

Report Number: P395055

Luminaire Tested: **I3-UL-20L935-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395055
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-UL-20L935-1D-UNV-STD-W-4
Description: CORELITE I3, OPEN TOP
2000 LUMENS
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

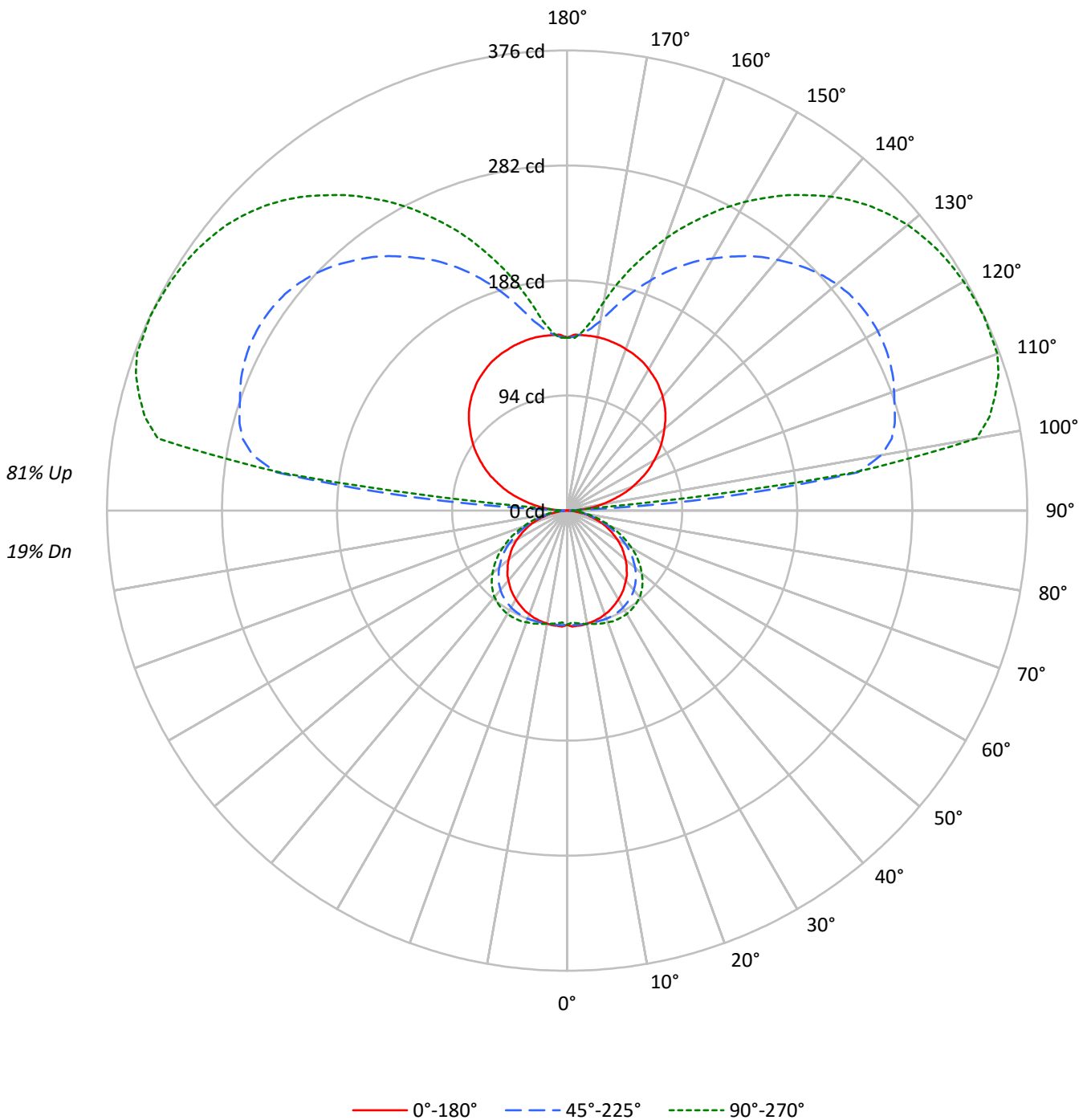
Lumens per Lamp: N/A
Luminaire Lumens: 1711.5 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.54 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 12.8
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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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19
1	91	87	83	79	80	76	73	71	58	56	54	40	39	38	24	24	23	16
2	82	75	69	64	72	67	62	58	50	47	44	35	33	31	21	20	19	13
3	75	66	59	53	66	58	52	48	44	40	37	31	28	26	19	17	16	11
4	68	58	51	45	60	51	45	40	39	35	31	27	24	22	16	15	14	9
5	63	51	44	38	55	46	39	34	35	30	26	24	21	19	15	13	12	8
6	57	46	38	33	50	41	34	29	31	26	23	22	19	16	13	12	10	7
7	53	41	34	28	46	37	30	25	28	23	20	20	17	14	12	10	9	6
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5
9	45	34	26	22	40	30	24	20	23	18	15	16	13	11	10	8	7	5
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	8	6	4

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	512	512	512
5°	519	505	495
10°	519	501	496
15°	520	499	500
20°	520	501	506
25°	519	503	514
30°	520	503	519
35°	519	501	521
40°	517	497	518
45°	513	487	507
50°	508	471	488
55°	500	449	460
60°	484	416	423
65°	462	370	378
70°	437	321	319
75°	379	252	256
80°	301	182	185
85°	178	105	122



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.9	0.5
10°-20°	26.6	1.6
20°-30°	42.8	2.5
30°-40°	55.1	3.2
40°-50°	60.5	3.5
50°-60°	56.8	3.3
60°-70°	44.2	2.6
70°-80°	25.3	1.5
80°-90°	8.1	0.5
90°-100°	109.4	6.4
100°-110°	260.0	15.2
110°-120°	261.2	15.3
120°-130°	239.5	14.0
130°-140°	200.3	11.7
140°-150°	150.3	8.8
150°-160°	97.9	5.7
160°-170°	50.4	2.9
170°-180°	14.3	0.8
0°-30°	78.3	4.6
0°-40°	133.4	7.8
0°-60°	250.7	14.6
0°-90°	328.3	19.2
90°-120°	630.6	36.8
90°-150°	1220.7	71.3
90°-180°	1383.0	80.8
0°-180°	1711.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	93	93	93	93	93	
5°	94	94	94	93	92	9
15°	92	92	94	95	96	26
25°	87	88	93	97	98	40
35°	80	82	89	94	96	50
45°	69	72	79	85	87	53
55°	55	58	65	69	71	49
65°	39	41	45	48	50	38
75°	21	22	24	26	27	22
85°	4	5	7	9	9	5
90°	0	1	2	4	4	1
95°	15	122	126	17	14	15
105°	43	164	277	342	362	45
115°	70	185	291	353	376	69
125°	94	193	292	350	370	84
135°	114	192	279	332	351	87
145°	128	184	254	298	315	80
155°	138	169	221	253	265	63
165°	143	152	179	198	206	40
175°	144	143	145	147	147	14
180°	141	141	141	141	141	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
2.5°	94.9	94.5	94.0	94.0	93.7	93.7	93.7	93.2	93.2	93.2	93.7
5°	94.5	94.5	94.0	93.7	93.7	93.7	93.2	93.2	93.2	93.2	93.7
7.5°	94.5	94.0	93.7	93.7	93.2	93.2	93.2	93.2	93.2	93.2	93.7
10°	93.7	93.7	93.2	93.2	92.8	93.2	93.2	93.2	93.2	93.2	94.0
12.5°	93.2	93.2	92.8	92.4	92.4	92.4	92.8	92.8	92.8	93.2	94.0
15°	92.4	92.4	92.0	92.0	92.0	92.0	92.4	92.4	92.8	93.2	94.0
17.5°	91.5	91.5	91.1	91.1	91.1	91.5	91.5	92.0	92.4	93.2	94.0
20°	90.2	90.2	90.2	90.2	90.2	90.7	90.7	91.1	92.0	92.8	94.0
22.5°	89.0	89.0	89.0	89.0	89.0	89.5	89.8	90.7	91.1	92.4	93.7
25°	87.3	87.3	87.3	87.3	87.7	88.2	88.6	89.5	90.2	91.5	93.2
27.5°	85.6	86.0	86.0	86.0	86.4	86.9	87.3	88.2	89.5	91.1	92.4
30°	83.9	83.9	83.9	84.4	84.8	85.2	86.0	86.9	88.2	89.8	91.5
32.5°	81.8	81.8	82.2	82.2	83.1	83.5	84.4	85.6	86.9	88.6	90.2
35°	79.7	79.7	79.7	80.6	81.0	81.8	82.2	83.5	85.2	86.9	88.6
37.5°	77.2	77.6	77.6	78.0	78.9	79.7	80.2	81.8	83.5	85.2	86.9
40°	74.6	75.1	75.1	75.5	76.8	77.2	78.0	79.7	81.0	83.1	84.8
42.5°	72.2	72.2	72.6	73.0	74.2	74.6	75.5	77.2	78.9	80.6	82.2
45°	68.8	69.1	69.6	70.0	71.3	72.2	73.0	74.2	75.9	77.6	79.3
47.5°	65.8	65.8	66.2	67.1	68.4	69.1	69.6	71.3	72.6	74.2	75.9
50°	62.4	62.9	62.9	63.7	64.9	65.8	66.2	67.9	69.1	70.9	72.6
52.5°	58.6	59.1	59.5	60.4	61.6	62.4	62.9	64.1	65.3	67.1	68.4
55°	55.3	55.7	55.7	56.5	57.8	58.2	59.1	59.9	61.6	62.9	64.6
57.5°	51.5	51.9	51.9	52.7	53.6	54.4	54.8	56.1	57.3	58.6	59.9
60°	47.3	47.7	48.0	48.5	49.3	50.2	50.6	51.5	52.7	54.0	55.3
62.5°	43.0	43.5	43.8	44.3	45.1	45.5	46.0	47.3	48.0	49.3	50.2
65°	38.8	39.3	39.7	40.0	40.5	40.9	41.3	42.2	43.0	44.3	44.7
67.5°	34.6	35.0	35.0	35.5	35.8	36.2	36.7	37.5	38.0	39.3	39.7
70°	30.4	30.4	30.4	30.8	30.8	31.3	31.6	32.5	32.9	33.8	34.6
72.5°	25.3	25.7	25.7	25.7	26.2	26.6	27.0	27.4	27.8	28.2	29.1
75°	20.7	21.1	20.7	21.1	21.5	21.5	22.0	22.4	22.8	23.2	23.6
77.5°	16.4	16.0	16.4	16.4	16.9	16.9	16.9	17.3	18.2	18.2	18.9
80°	11.8	11.8	11.8	11.8	12.2	12.2	12.7	12.7	13.5	13.9	14.4
82.5°	7.6	7.6	8.0	8.0	8.0	8.4	8.4	8.9	9.3	9.7	10.2
85°	4.2	4.2	4.2	4.6	4.6	5.1	5.1	5.5	5.9	6.3	6.7
87.5°	1.3	1.7	2.1	2.1	2.5	2.5	2.9	2.9	3.8	4.2	4.6
90°	0.4	0.4	0.9	0.9	0.9	1.3	1.3	1.7	1.7	2.1	2.5
92.5°	7.1	16.9	35.0	52.3	45.1	42.2	25.3	7.6	6.7	7.1	7.1
95°	14.7	27.8	51.1	82.7	107.1	122.3	132.4	151.9	171.7	168.3	125.7
97.5°	21.5	35.8	61.6	90.7	124.4	141.7	154.8	178.0	203.3	224.4	239.6
100°	28.2	43.0	70.4	100.8	132.0	147.7	162.8	194.4	219.3	240.4	260.7
102.5°	35.5	50.2	78.4	110.1	140.9	156.1	170.8	198.6	226.5	251.8	271.6
105°	42.6	57.8	85.6	118.1	148.9	164.1	178.4	205.0	230.7	254.3	277.2
107.5°	50.2	64.6	92.0	124.4	155.2	170.4	184.8	211.3	236.2	259.8	280.5
110°	56.9	70.9	98.2	130.4	161.1	176.3	190.6	217.2	241.7	264.1	284.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	63.3	76.8	104.2	135.4	165.7	181.0	194.8	221.4	245.9	267.9	288.1
115°	70.4	82.2	110.1	140.0	170.0	184.8	198.6	224.8	249.3	270.8	290.6
117.5°	76.4	87.7	115.1	143.9	173.3	187.7	201.2	227.4	251.4	272.9	292.3
120°	82.2	92.8	119.8	147.2	175.9	189.9	203.3	229.0	253.0	274.1	293.2
122.5°	88.2	97.9	123.6	150.6	178.0	191.9	205.0	230.3	253.9	274.6	293.2
125°	93.7	102.1	127.0	153.1	179.3	192.8	205.4	230.3	253.5	273.7	292.3
127.5°	98.7	106.7	129.5	155.7	180.1	193.2	205.4	229.5	252.6	272.5	290.6
130°	103.8	110.9	132.0	156.9	181.0	192.8	204.6	227.7	250.6	270.4	287.7
132.5°	108.8	115.5	134.1	158.2	181.4	192.8	203.7	226.1	248.1	267.4	283.9
135°	113.5	119.0	136.2	159.0	181.0	191.9	202.1	223.2	244.3	263.2	279.2
137.5°	117.7	122.3	137.9	159.5	180.6	190.6	200.8	219.7	239.6	258.1	273.7
140°	121.5	125.7	138.8	159.5	178.8	189.0	198.3	216.4	234.5	252.3	267.4
142.5°	124.8	128.6	140.0	158.6	177.2	186.8	195.7	213.0	229.5	246.3	261.1
145°	128.2	131.2	140.9	158.2	175.0	183.9	192.3	208.8	224.8	240.0	253.9
147.5°	130.8	133.7	141.7	156.5	172.5	180.6	188.6	204.1	219.0	233.2	245.9
150°	133.3	135.8	142.2	154.8	169.5	176.8	183.9	198.6	213.0	226.1	237.9
152.5°	135.8	137.5	143.4	153.1	166.2	173.0	180.1	193.2	206.3	218.5	229.9
155°	137.5	138.8	143.9	151.4	162.8	168.8	174.6	186.8	198.6	210.1	220.6
157.5°	139.2	140.4	144.2	150.2	159.0	164.5	169.5	180.1	191.1	201.2	210.9
160°	140.4	141.3	144.2	149.3	155.7	159.5	164.1	173.7	183.0	191.9	200.4
162.5°	141.7	142.2	144.2	148.1	152.7	155.2	158.6	166.2	174.6	182.2	189.9
165°	142.6	143.0	144.2	147.2	150.2	152.3	153.9	159.5	165.7	172.5	178.8
167.5°	143.4	143.4	144.2	146.4	148.1	149.3	150.6	153.5	157.7	162.8	167.5
170°	143.9	143.9	144.2	145.5	146.8	147.2	148.1	149.7	151.9	154.4	157.3
172.5°	143.9	143.9	143.9	144.6	145.1	145.1	145.1	145.9	147.2	148.9	150.2
175°	143.9	143.4	143.4	143.9	143.4	143.4	143.4	143.4	143.9	144.6	145.1
177.5°	143.9	143.4	143.0	143.0	142.6	142.6	142.2	142.2	142.2	142.2	142.2
180°	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
2.5°	93.7	93.7	93.2	92.8	92.8	92.8	92.4	92.0	91.5	91.5
5°	93.7	93.7	93.2	93.2	93.2	93.2	92.8	92.8	92.4	92.4
7.5°	94.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.2	93.2
10°	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
12.5°	94.5	94.5	94.5	94.5	94.9	94.9	94.9	94.9	94.9	94.9
15°	94.5	94.9	95.3	95.3	95.3	95.7	95.7	95.7	95.7	95.7
17.5°	94.9	95.3	95.7	95.7	96.2	96.2	96.6	96.6	96.6	96.6
20°	94.9	95.3	95.7	96.2	96.6	96.6	97.0	97.5	97.5	97.0
22.5°	94.5	95.3	95.7	96.2	96.6	97.0	97.5	97.9	97.9	97.9
25°	94.0	94.9	95.7	96.6	96.6	97.0	97.9	97.9	97.9	97.9
27.5°	93.7	94.5	95.3	96.2	96.6	97.0	97.5	97.9	97.9	97.9
30°	92.8	94.0	94.9	95.7	96.2	96.6	97.0	97.5	97.5	97.5
32.5°	91.5	92.8	93.7	94.9	95.3	95.7	96.2	96.6	96.6	96.6
35°	90.2	91.5	92.4	93.7	94.0	94.5	95.3	95.3	95.7	95.7
37.5°	88.2	89.8	90.7	92.0	92.4	92.8	93.7	94.0	94.0	94.0
40°	86.0	87.7	88.6	89.8	90.2	90.7	91.5	92.0	92.4	92.4
42.5°	83.5	85.2	86.0	87.3	87.7	88.2	89.0	89.5	89.8	89.8
45°	81.0	82.2	83.1	84.4	85.2	85.2	86.0	86.4	86.9	86.9
47.5°	77.6	78.9	79.7	81.0	81.8	82.2	82.7	83.1	83.5	83.5
50°	73.8	75.1	76.4	77.2	78.0	78.0	78.9	79.3	79.7	79.7
52.5°	70.0	70.9	72.2	73.4	73.8	74.2	74.6	75.1	75.5	75.5
55°	65.8	66.6	67.9	68.8	69.1	69.6	70.0	70.4	70.9	70.9
57.5°	61.1	62.0	63.3	64.1	64.6	64.9	65.3	65.8	66.2	66.2
60°	56.1	56.9	58.2	59.1	59.5	59.5	60.4	60.7	60.7	60.7
62.5°	51.1	51.9	52.7	53.6	54.0	54.4	54.8	55.3	55.3	55.3
65°	46.0	46.8	47.7	48.0	48.5	48.5	48.9	49.3	49.8	49.8
67.5°	40.5	41.3	42.2	42.6	43.0	43.0	43.5	43.8	43.8	43.8
70°	35.0	35.5	36.2	36.7	37.1	37.1	38.0	38.0	38.0	38.0
72.5°	29.5	30.0	30.8	31.3	31.6	31.6	32.0	32.5	32.5	32.5
75°	24.5	24.9	25.3	26.2	26.2	26.2	26.6	27.0	27.0	27.0
77.5°	19.4	19.8	20.2	20.7	21.1	21.1	21.5	22.0	22.0	22.0
80°	14.7	15.2	15.6	16.0	16.0	16.4	16.4	16.9	16.9	16.9
82.5°	10.5	10.9	11.4	11.8	12.2	12.2	12.7	13.1	13.1	12.7
85°	7.1	8.0	8.4	8.9	8.9	8.9	9.3	9.7	9.7	9.3
87.5°	5.1	5.1	5.5	5.9	5.9	6.3	6.3	6.7	6.7	6.7
90°	2.9	2.9	3.4	3.4	3.8	3.8	3.8	4.2	4.2	4.2
92.5°	7.1	7.1	7.6	7.6	7.6	7.6	8.0	8.0	8.0	8.0
95°	76.8	34.6	29.1	17.7	16.9	14.7	14.4	14.7	14.7	14.4
97.5°	257.7	275.9	287.2	292.7	286.0	278.8	270.8	269.5	258.6	234.1
100°	277.9	292.3	306.3	315.9	319.7	323.1	330.7	335.4	337.4	339.6
102.5°	288.1	303.2	315.5	327.8	332.8	337.4	344.2	349.7	351.8	353.4
105°	297.0	312.5	326.1	337.0	341.6	345.9	352.7	357.7	361.4	361.9
107.5°	299.0	315.5	330.7	344.2	349.7	354.3	362.3	366.1	369.5	369.5
110°	302.8	318.5	332.3	344.6	350.1	355.6	364.0	369.9	373.3	374.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	305.8	321.8	334.9	347.2	351.8	356.9	364.9	370.3	373.3	374.5
115°	308.3	323.9	337.0	348.4	353.4	358.5	366.5	371.2	374.5	375.8
117.5°	310.0	325.2	338.3	348.8	354.3	358.5	366.1	371.2	374.5	375.0
120°	310.5	325.6	338.3	348.8	353.4	358.1	365.7	370.7	374.1	374.1
122.5°	310.5	325.2	337.9	348.0	352.2	356.5	363.6	369.5	372.5	372.5
125°	308.8	323.6	335.8	345.9	350.1	353.9	361.4	367.0	369.9	370.3
127.5°	306.3	320.6	332.8	342.9	347.2	350.5	358.5	363.6	366.5	367.0
130°	302.8	317.2	329.0	338.7	342.9	346.7	353.4	359.0	362.3	363.2
132.5°	299.0	312.5	324.3	333.6	337.9	341.2	348.0	353.4	356.5	357.7
135°	294.4	307.0	318.5	327.8	331.9	335.4	341.6	347.2	350.1	351.4
137.5°	288.5	300.7	311.7	321.0	324.8	328.1	334.5	339.6	342.1	343.8
140°	281.8	293.2	304.5	313.0	316.8	320.1	325.6	331.1	333.6	334.9
142.5°	274.6	286.0	296.1	304.5	307.9	311.3	316.8	321.8	324.3	324.8
145°	267.0	277.9	287.2	295.2	298.3	301.6	306.7	311.7	314.3	314.7
147.5°	258.6	268.7	277.6	285.2	288.5	291.0	295.7	300.3	302.8	303.2
150°	248.8	258.1	266.1	273.7	276.7	279.2	284.3	288.5	291.0	291.4
152.5°	239.6	248.4	255.2	261.9	264.9	267.4	271.6	275.9	278.4	278.8
155°	229.9	237.9	244.6	250.1	252.6	255.2	258.6	262.3	264.5	264.9
157.5°	219.7	227.4	233.2	238.3	240.8	243.0	245.9	249.3	250.6	251.4
160°	208.8	215.1	220.2	225.2	227.4	229.5	232.4	235.0	236.6	237.0
162.5°	197.0	202.5	206.6	211.3	212.6	214.3	217.2	219.7	221.0	221.4
165°	184.8	189.9	193.6	197.4	198.3	199.5	201.6	204.1	205.0	205.9
167.5°	172.5	176.8	179.3	182.6	183.9	184.8	186.8	188.6	189.4	189.9
170°	160.7	163.7	165.7	168.3	168.8	170.0	171.3	173.0	173.3	173.3
172.5°	151.4	152.7	153.9	154.8	155.2	155.7	156.5	156.9	156.9	156.9
175°	145.5	146.4	146.4	146.8	146.8	146.8	146.8	146.8	146.8	146.8
177.5°	142.2	142.2	142.2	141.7	141.7	141.7	141.7	141.3	141.3	141.3
180°	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3

(END OF REPORT)