

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: P395019

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

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395019
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-CL-20L935-1D-UNV-STD-W-4
Description: CORELITE I3, CLEAR TOP COVER
2000 LUMENS
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

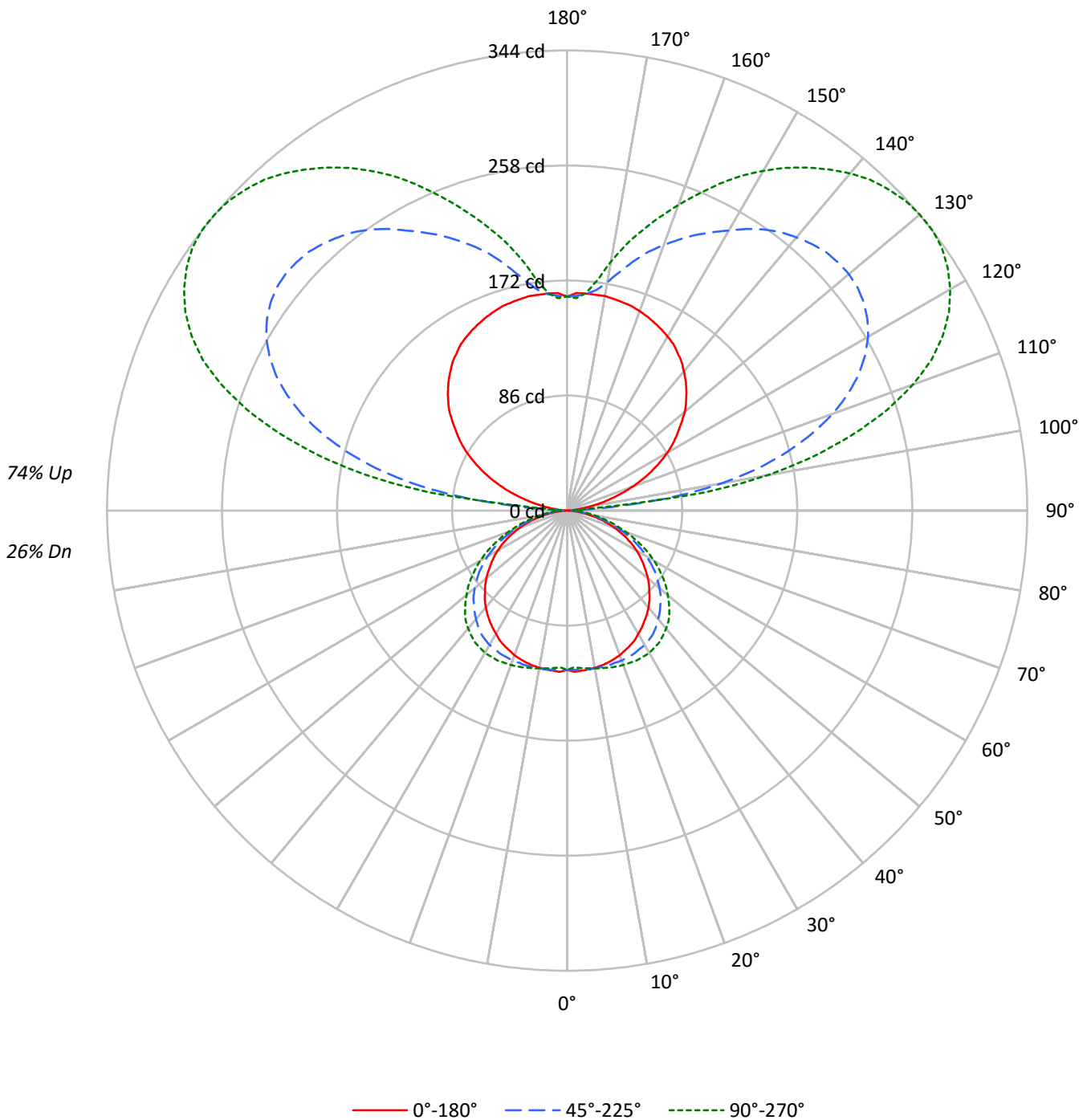
Lumens per Lamp: N/A
Luminaire Lumens: 1567.5 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 12.8
Input Voltage (V): 120
Input Current (A_{in}): 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	101	101	101	101	91	91	91	91	70	70	70	51	51	51	34	34	34	26
1	92	88	84	81	82	79	75	73	61	59	57	45	43	42	30	29	28	22
2	84	77	71	65	74	68	63	59	53	50	47	39	37	35	26	25	24	18
3	76	67	60	54	68	60	54	49	47	42	39	34	32	29	23	21	20	15
4	70	59	51	45	62	53	46	41	41	37	33	30	27	25	20	18	17	13
5	64	52	44	39	56	47	40	35	37	32	28	27	24	21	18	16	15	11
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	13	9
7	54	42	34	29	48	38	31	26	30	25	21	22	19	16	15	13	11	8
8	50	38	30	25	44	34	27	23	27	22	18	20	17	14	14	11	10	7
9	46	34	27	22	41	31	25	20	24	20	16	18	15	13	12	10	9	6
10	43	31	24	20	38	28	22	18	22	18	15	17	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	654	654	654
5°	661	643	633
10°	661	639	632
15°	662	636	635
20°	663	636	641
25°	662	637	649
30°	658	638	654
35°	657	635	654
40°	655	621	645
45°	648	606	630
50°	642	586	601
55°	629	557	567
60°	613	518	523
65°	588	465	463
70°	547	396	393
75°	471	315	315
80°	367	223	231
85°	216	139	155



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.4	0.7
10°-20°	33.8	2.2
20°-30°	54.2	3.5
30°-40°	69.3	4.4
40°-50°	75.6	4.8
50°-60°	70.8	4.5
60°-70°	55.0	3.5
70°-80°	31.5	2.0
80°-90°	10.1	0.6
90°-100°	40.4	2.6
100°-110°	157.2	10.0
110°-120°	214.0	13.6
120°-130°	222.1	14.2
130°-140°	197.0	12.6
140°-150°	152.9	9.8
150°-160°	102.0	6.5
160°-170°	54.4	3.5
170°-180°	15.9	1.0
0°-30°	99.4	6.3
0°-40°	168.7	10.8
0°-60°	315.2	20.1
0°-90°	411.7	26.3
90°-120°	411.5	26.3
90°-150°	983.5	62.7
90°-180°	1156.0	73.7
0°-180°	1567.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	119	119	119	119	119	
5°	120	119	119	119	118	11
15°	118	117	120	122	122	33
25°	111	112	118	122	124	51
35°	101	103	112	118	120	63
45°	87	91	99	105	108	67
55°	70	73	80	86	87	62
65°	49	52	56	60	61	49
75°	26	27	30	32	33	27
85°	5	6	9	11	12	6
90°	0	1	3	4	5	1
95°	5	29	39	8	8	7
105°	33	101	171	203	222	36
115°	70	156	240	283	310	69
125°	101	184	271	318	342	90
135°	126	193	273	321	340	97
145°	144	193	256	298	313	90
155°	155	183	227	258	270	71
165°	161	168	193	211	217	46
175°	163	162	162	163	163	16
180°	160	160	160	160	160	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0
2.5°	120.6	120.2	120.2	119.3	119.3	119.0	119.0	119.0	119.0	119.0	119.3
5°	120.2	120.2	119.8	119.3	119.3	119.0	119.0	119.0	119.0	119.0	119.3
7.5°	119.8	119.8	119.3	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.8
10°	119.3	119.3	119.0	118.6	118.6	118.6	118.6	119.0	119.0	119.0	119.8
12.5°	118.6	118.1	118.1	117.7	117.7	117.7	118.1	118.1	118.6	119.0	119.8
15°	117.7	117.7	117.3	116.8	117.3	117.3	117.3	117.7	118.1	118.6	119.8
17.5°	116.4	116.4	116.0	116.0	116.0	116.4	116.4	116.8	117.7	118.6	119.3
20°	115.1	114.8	114.8	114.8	115.1	115.1	115.5	116.4	116.8	118.1	119.3
22.5°	113.0	113.5	113.0	113.0	113.5	113.9	114.3	115.1	116.0	117.3	118.6
25°	111.3	111.3	111.3	111.3	112.2	112.2	113.0	113.9	115.1	116.4	118.1
27.5°	109.3	109.3	109.3	109.7	110.1	110.6	110.9	112.2	113.5	115.1	116.8
30°	106.3	106.3	106.3	106.3	107.5	108.0	108.8	110.6	111.8	113.9	116.0
32.5°	103.8	103.8	103.8	104.2	105.0	105.5	106.3	108.4	110.1	112.2	114.3
35°	100.8	100.8	101.3	101.3	102.5	102.9	103.8	105.5	107.1	109.7	112.2
37.5°	97.9	97.9	98.2	98.7	99.5	100.4	101.3	102.9	104.6	106.7	109.3
40°	94.5	94.5	94.9	95.3	96.6	97.5	98.2	100.0	101.7	103.8	105.9
42.5°	91.1	91.1	91.5	92.0	93.2	94.0	94.9	97.0	98.7	100.8	102.5
45°	86.9	87.3	87.7	88.6	89.8	90.7	91.5	93.2	95.3	97.0	98.7
47.5°	83.1	83.5	83.9	84.8	86.0	86.9	87.7	89.5	91.1	92.8	94.9
50°	78.9	79.3	79.7	80.6	81.8	82.7	83.5	85.2	86.9	88.2	90.2
52.5°	74.2	74.6	75.1	75.9	77.6	78.0	78.9	80.6	81.8	83.5	85.2
55°	69.6	70.0	70.4	71.3	72.6	73.4	73.8	75.5	76.8	78.4	80.2
57.5°	64.9	65.3	65.8	66.6	67.5	68.4	68.8	70.0	71.7	73.0	74.6
60°	59.9	60.4	60.7	61.1	62.4	62.9	63.3	64.6	65.8	67.5	68.8
62.5°	54.8	54.8	55.3	55.7	56.9	57.3	57.8	58.6	60.4	61.1	62.4
65°	49.3	49.3	49.8	50.2	51.1	51.5	51.9	52.7	54.0	54.8	56.1
67.5°	43.5	43.5	43.8	44.3	45.1	45.5	45.5	46.8	47.7	48.5	49.3
70°	38.0	38.0	38.4	38.4	38.8	39.3	39.7	40.5	40.9	42.2	42.6
72.5°	32.0	32.0	32.0	32.0	32.9	32.9	33.3	34.2	34.6	35.5	36.2
75°	25.7	25.7	26.2	26.2	26.6	27.0	27.4	27.8	28.7	29.1	29.5
77.5°	20.2	19.8	20.2	20.7	21.1	21.1	21.5	22.0	22.4	23.2	23.6
80°	14.4	14.4	14.4	14.7	15.2	15.2	15.6	16.0	16.4	17.3	17.7
82.5°	9.3	9.3	9.7	9.7	10.2	10.5	10.5	10.9	11.4	12.2	12.7
85°	5.1	5.1	5.1	5.5	5.9	5.9	6.3	6.7	7.6	8.0	8.9
87.5°	1.7	1.7	2.1	2.5	2.9	2.9	3.4	3.8	4.2	5.1	5.5
90°	0.4	0.4	0.4	0.9	0.9	1.3	1.3	1.7	2.1	2.5	2.9
92.5°	1.7	2.9	4.6	6.7	6.3	6.7	4.6	2.9	2.9	2.9	3.4
95°	5.1	7.6	12.2	19.4	25.3	28.7	31.6	34.6	40.5	40.9	39.3
97.5°	10.2	13.9	22.4	31.6	42.2	47.7	51.9	60.7	70.0	75.9	83.1
100°	16.9	22.4	33.3	46.0	58.2	65.3	72.2	84.8	96.2	106.3	117.3
102.5°	24.9	31.3	44.7	60.4	75.5	83.5	90.7	105.5	121.1	134.6	146.4
105°	33.3	40.5	56.5	74.2	91.5	100.8	109.7	125.7	142.2	156.9	170.8
107.5°	42.6	50.2	67.5	87.3	106.7	117.3	127.0	144.2	161.5	177.5	192.3
110°	51.5	59.9	78.0	99.5	121.5	132.0	141.7	160.7	178.8	195.7	211.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	60.7	69.6	87.7	111.3	133.7	144.6	154.8	175.0	194.1	211.3	227.0
115°	69.6	78.0	97.0	121.5	144.2	155.7	166.6	187.3	207.1	224.4	240.4
117.5°	78.0	86.0	105.5	129.9	153.5	164.9	175.9	197.4	217.2	235.4	251.0
120°	86.4	93.7	114.8	137.1	161.1	172.5	183.9	205.4	225.7	243.8	259.8
122.5°	94.0	100.8	121.5	143.4	167.0	178.8	189.9	211.7	232.4	250.6	266.1
125°	100.8	107.1	127.8	148.4	172.1	183.5	194.8	216.4	237.0	254.8	270.8
127.5°	107.5	113.9	132.4	153.5	175.5	187.3	198.3	219.7	240.0	258.1	273.7
130°	114.8	119.3	137.1	158.2	178.8	189.9	201.2	221.9	241.7	259.4	275.0
132.5°	120.6	124.8	141.7	162.0	181.4	191.9	202.1	222.7	242.5	259.4	274.6
135°	126.1	129.5	145.1	165.3	183.5	193.2	202.9	222.3	241.7	258.6	273.4
137.5°	131.2	134.6	148.1	167.9	185.2	193.6	202.9	221.0	239.6	256.5	270.4
140°	135.8	138.4	150.6	169.1	186.0	194.1	202.1	219.0	236.2	252.6	266.6
142.5°	140.4	142.6	152.7	170.0	186.4	194.1	201.6	216.4	232.4	248.4	262.3
145°	143.9	145.9	154.4	170.4	186.0	193.2	199.9	213.9	228.2	243.0	256.5
147.5°	147.7	149.3	156.1	169.5	184.8	191.5	197.9	210.5	223.5	237.0	249.7
150°	150.2	151.9	156.9	168.8	182.6	189.0	195.3	207.1	219.0	230.7	241.7
152.5°	152.7	153.9	158.2	167.5	180.1	186.0	191.9	203.3	214.3	224.8	234.5
155°	154.8	156.1	159.0	166.6	177.2	182.6	188.1	199.1	209.2	218.5	227.4
157.5°	156.9	157.7	159.9	165.3	173.7	178.8	183.9	193.6	202.9	212.2	219.3
160°	158.6	159.0	160.7	164.9	170.8	174.6	179.3	188.1	196.6	204.6	211.3
162.5°	160.3	160.3	161.5	164.1	168.3	170.8	174.2	181.8	189.4	196.6	202.9
165°	161.1	161.1	162.0	163.7	166.2	167.9	170.0	175.0	181.0	187.3	193.2
167.5°	162.0	162.0	162.4	163.2	164.9	165.7	166.6	170.0	173.7	178.4	183.0
170°	162.8	162.4	162.4	163.2	163.7	164.1	164.5	166.2	167.9	170.8	173.3
172.5°	162.8	162.4	162.4	162.8	162.8	162.8	162.8	163.2	163.7	165.3	166.2
175°	162.8	162.4	162.4	162.4	162.4	162.0	162.0	162.0	162.0	162.0	162.4
177.5°	162.8	162.4	162.0	162.0	161.5	161.5	161.1	161.1	160.7	160.7	160.7
180°	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0
2.5°	119.3	119.3	119.0	119.0	118.6	118.6	118.1	117.7	117.3	117.3
5°	119.8	119.3	119.0	119.0	119.0	118.6	118.6	118.6	118.1	118.1
7.5°	119.8	119.8	119.8	119.3	119.3	119.3	119.3	119.3	119.0	119.0
10°	120.2	120.2	120.2	120.2	120.2	120.2	120.2	119.8	119.8	119.8
12.5°	120.2	120.2	120.2	120.6	120.6	120.6	120.6	120.6	120.6	120.6
15°	120.6	120.6	121.1	121.1	121.5	121.5	121.9	121.9	121.9	121.5
17.5°	120.2	120.6	121.1	121.5	121.9	121.9	122.3	122.3	122.3	122.3
20°	120.2	121.1	121.5	121.9	122.3	122.3	122.8	123.1	123.1	122.8
22.5°	119.8	120.6	121.1	121.9	122.3	122.3	123.1	123.1	123.1	123.1
25°	119.3	120.2	121.1	121.9	122.3	122.3	123.1	123.1	123.6	123.6
27.5°	118.6	119.3	120.6	121.5	121.9	122.3	122.8	123.1	123.1	123.1
30°	117.3	118.6	119.8	120.6	121.1	121.5	121.9	122.3	122.8	122.8
32.5°	115.5	116.8	118.1	119.3	119.8	120.2	121.1	121.5	121.5	121.5
35°	113.9	115.1	116.4	117.7	118.1	118.6	119.3	119.8	120.2	120.2
37.5°	111.3	112.6	113.9	115.1	115.5	116.4	117.3	117.7	117.7	117.7
40°	107.5	109.7	111.3	112.6	113.0	113.9	114.3	115.1	115.1	115.1
42.5°	104.2	105.9	107.1	108.8	109.3	110.6	111.3	111.8	112.2	112.2
45°	100.4	102.1	103.3	104.6	105.0	105.9	106.7	107.1	107.5	108.0
47.5°	96.6	97.9	99.1	100.4	100.8	101.7	102.5	102.9	103.3	103.3
50°	92.0	93.2	94.5	95.7	96.2	97.0	97.5	97.9	98.2	98.2
52.5°	86.9	88.2	89.5	90.7	91.1	91.5	92.4	92.8	93.2	93.2
55°	81.8	83.1	83.9	85.2	85.6	86.0	86.4	87.3	87.7	87.3
57.5°	75.9	77.2	78.0	79.3	79.7	80.2	80.6	81.0	81.5	81.5
60°	69.6	70.9	72.2	73.0	73.4	73.8	74.2	74.6	75.1	75.1
62.5°	63.3	64.6	65.3	66.6	67.1	67.1	67.5	67.9	68.4	68.4
65°	56.9	58.2	58.6	59.9	59.9	60.4	60.7	61.1	61.1	61.1
67.5°	50.2	51.5	51.9	52.7	52.7	53.1	53.6	54.0	54.0	54.0
70°	43.8	44.3	45.1	45.5	46.0	46.0	46.4	46.8	47.3	46.8
72.5°	37.1	37.5	38.4	38.8	38.8	39.3	39.3	39.7	40.0	40.0
75°	30.4	31.3	31.6	32.0	32.5	32.5	32.9	33.3	33.3	33.3
77.5°	24.0	24.9	25.3	25.7	26.2	26.2	26.6	26.6	27.0	26.6
80°	18.6	18.9	19.4	19.8	20.2	20.2	20.7	21.1	21.1	21.1
82.5°	13.5	13.9	14.7	15.2	15.2	15.2	16.0	16.0	16.4	16.0
85°	9.3	9.7	10.5	10.9	11.4	11.4	11.4	11.8	12.2	11.8
87.5°	5.9	6.7	7.1	7.6	7.6	7.6	8.0	8.4	8.4	8.4
90°	3.4	3.4	3.8	4.2	4.2	4.6	4.6	5.1	5.1	5.1
92.5°	3.4	3.8	3.8	3.8	4.2	4.2	4.2	4.6	4.6	4.6
95°	28.7	20.7	11.8	9.3	8.0	8.0	7.6	8.0	7.6	7.6
97.5°	86.9	94.0	97.5	102.1	104.6	104.2	102.5	104.2	102.9	104.2
100°	123.6	130.4	135.4	136.6	139.2	140.4	145.1	148.4	150.2	152.3
102.5°	153.5	161.5	167.5	170.8	173.3	175.0	180.6	185.6	188.1	189.9
105°	181.0	189.4	196.6	199.9	202.9	204.6	210.5	216.4	220.2	222.3
107.5°	202.9	212.6	220.2	225.2	228.2	231.2	238.3	244.3	248.8	251.0
110°	222.7	232.4	240.4	246.3	249.7	252.6	260.7	267.4	272.5	275.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	239.2	249.7	257.7	264.1	267.4	271.6	279.2	286.8	291.9	294.8
115°	252.6	263.6	272.1	278.8	282.6	286.4	295.2	302.8	307.9	310.0
117.5°	264.1	275.0	283.9	290.6	294.8	299.0	307.9	314.7	320.1	321.8
120°	273.4	284.3	293.2	300.7	305.0	308.8	317.2	324.3	329.4	330.7
122.5°	279.7	291.0	300.3	308.8	312.5	316.3	324.3	331.6	336.1	337.4
125°	284.3	296.1	305.4	314.3	318.1	321.8	329.4	336.6	340.4	342.1
127.5°	287.2	299.0	309.2	317.6	321.8	325.2	332.8	339.1	342.9	344.2
130°	288.1	300.3	310.5	319.3	323.1	326.5	333.6	340.0	343.4	344.2
132.5°	288.1	299.9	310.5	318.9	322.7	326.1	332.8	338.7	342.1	342.9
135°	286.4	297.8	308.3	316.8	320.6	323.9	330.7	335.8	339.1	339.6
137.5°	283.4	294.4	304.5	313.0	316.8	320.1	326.1	331.6	334.5	335.4
140°	279.7	289.8	299.9	307.9	311.7	314.7	320.6	325.2	328.1	329.0
142.5°	274.6	284.7	294.0	302.0	305.0	308.3	313.4	318.1	320.6	321.4
145°	269.1	278.8	287.2	294.4	297.8	300.7	305.4	309.6	312.1	313.0
147.5°	261.9	271.6	279.7	286.4	289.4	292.3	296.5	300.3	302.8	303.7
150°	253.0	261.9	270.4	276.7	279.7	282.6	286.8	290.2	292.7	293.2
152.5°	244.3	252.6	259.8	266.1	269.1	272.1	275.9	279.2	282.1	282.1
155°	235.8	243.0	249.7	255.2	257.7	260.3	264.1	267.0	269.5	269.5
157.5°	227.0	233.7	239.2	244.3	246.3	248.4	251.8	254.3	256.5	256.1
160°	218.5	223.5	228.6	232.8	235.0	236.6	239.2	241.3	243.4	243.0
162.5°	209.2	213.9	218.1	221.0	222.7	223.9	226.5	228.6	229.9	229.9
165°	198.6	202.9	206.6	209.7	211.3	212.2	214.3	215.5	216.8	216.8
167.5°	187.7	191.1	194.4	197.0	198.6	199.5	201.6	202.5	204.1	203.7
170°	176.8	179.3	181.8	183.9	184.8	185.6	187.3	188.1	189.0	189.0
172.5°	167.9	168.8	170.0	171.7	171.7	172.1	173.0	173.3	173.7	173.7
175°	162.8	163.2	163.2	163.2	163.2	163.2	163.7	163.2	163.7	163.2
177.5°	160.7	160.7	160.3	160.3	159.9	160.3	159.9	159.5	159.5	159.0
180°	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9	159.9

(END OF REPORT)