

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: P395054

Luminaire Tested: **I3-UL-20L930-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395054
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-20L930-1D-UNV-STD-W-4
Description: CORELITE I3, OPEN TOP
2000 LUMENS
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

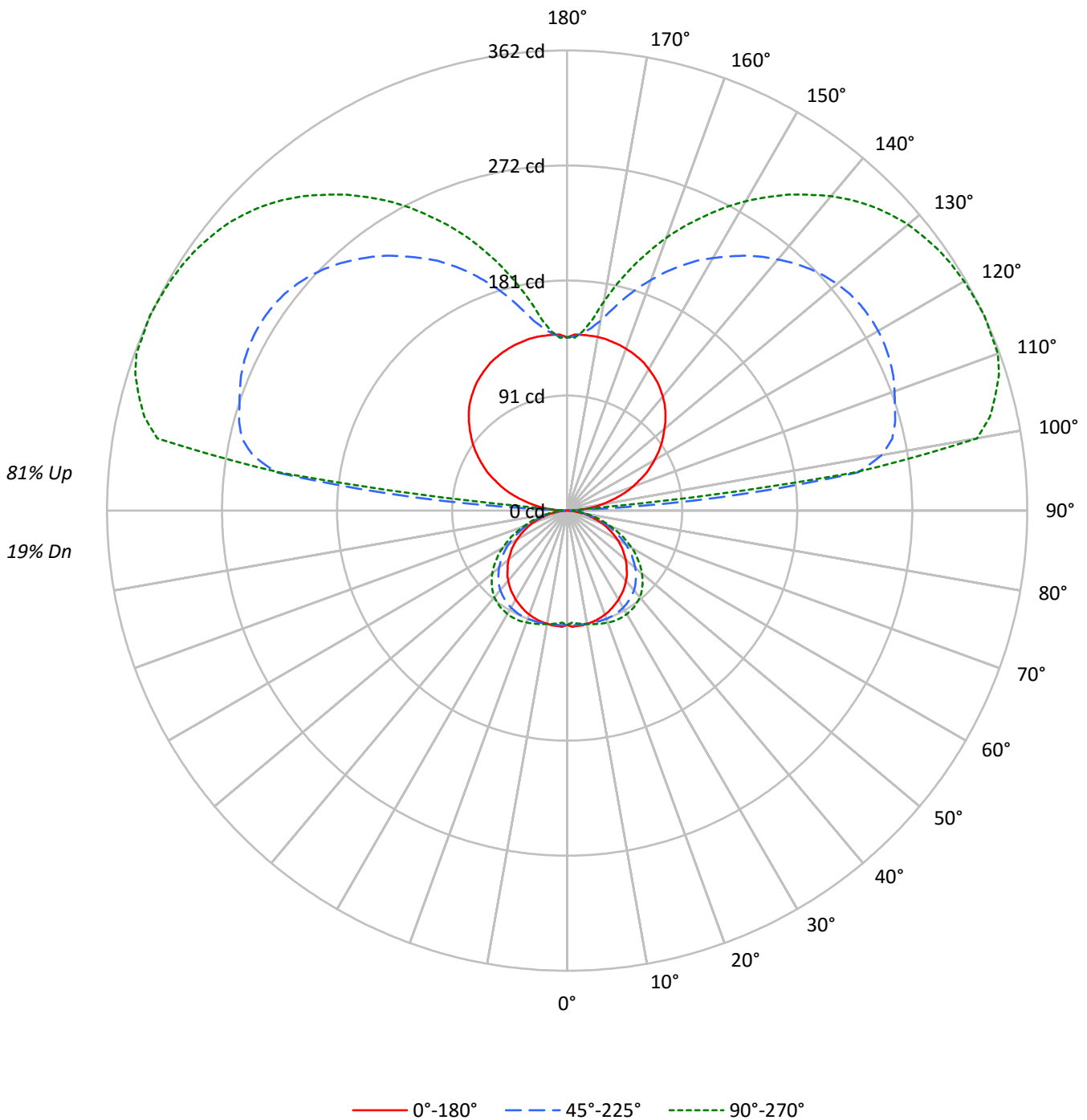
Lumens per Lamp: N/A
Luminaire Lumens: 1649.9 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.54 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

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°	494	494	494
5°	501	487	478
10°	500	483	478
15°	501	481	482
20°	501	483	488
25°	501	485	495
30°	501	485	500
35°	501	483	502
40°	499	480	500
45°	494	469	488
50°	490	455	471
55°	482	432	443
60°	467	401	408
65°	446	357	364
70°	422	310	307
75°	365	242	247
80°	291	175	179
85°	174	102	118



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.6	0.5
10°-20°	25.6	1.6
20°-30°	41.3	2.5
30°-40°	53.1	3.2
40°-50°	58.3	3.5
50°-60°	54.8	3.3
60°-70°	42.6	2.6
70°-80°	24.4	1.5
80°-90°	7.8	0.5
90°-100°	105.5	6.4
100°-110°	250.6	15.2
110°-120°	251.8	15.3
120°-130°	230.9	14.0
130°-140°	193.1	11.7
140°-150°	144.9	8.8
150°-160°	94.3	5.7
160°-170°	48.6	2.9
170°-180°	13.7	0.8
0°-30°	75.5	4.6
0°-40°	128.6	7.8
0°-60°	241.7	14.6
0°-90°	316.5	19.2
90°-120°	607.9	36.8
90°-150°	1176.7	71.3
90°-180°	1333.0	80.8
0°-180°	1649.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	90	90	90	90	90	
5°	91	90	90	90	89	9
15°	89	89	91	92	92	25
25°	84	85	90	93	94	39
35°	77	79	85	91	92	48
45°	66	70	76	82	84	51
55°	53	56	62	67	68	47
65°	37	39	43	47	48	37
75°	20	21	23	25	26	21
85°	4	5	6	8	9	5
90°	0	1	2	4	4	1
95°	14	118	121	16	14	14
105°	41	158	267	329	349	43
115°	68	178	280	341	362	67
125°	90	186	282	338	357	81
135°	109	185	269	320	339	84
145°	124	177	245	288	303	77
155°	133	163	213	244	255	61
165°	137	147	172	191	198	39
175°	139	138	140	142	142	13
180°	136	136	136	136	136	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
2.5°	91.5	91.1	90.6	90.6	90.3	90.3	90.3	89.9	89.9	89.9	90.3
5°	91.1	91.1	90.6	90.3	90.3	90.3	89.9	89.9	89.9	89.9	90.3
7.5°	91.1	90.6	90.3	90.3	89.9	89.9	89.9	89.9	89.9	89.9	90.3
10°	90.3	90.3	89.9	89.9	89.5	89.9	89.9	89.9	89.9	89.9	90.6
12.5°	89.9	89.9	89.5	89.1	89.1	89.1	89.5	89.5	89.5	89.9	90.6
15°	89.1	89.1	88.6	88.6	88.6	88.6	89.1	89.1	89.5	89.9	90.6
17.5°	88.2	88.2	87.8	87.8	87.8	88.2	88.2	88.6	89.1	89.9	90.6
20°	87.0	87.0	87.0	87.0	87.0	87.4	87.4	87.8	88.6	89.5	90.6
22.5°	85.8	85.8	85.8	85.8	85.8	86.2	86.6	87.4	87.8	89.1	90.3
25°	84.2	84.2	84.2	84.2	84.6	85.0	85.4	86.2	87.0	88.2	89.9
27.5°	82.5	82.9	82.9	82.9	83.3	83.7	84.2	85.0	86.2	87.8	89.1
30°	80.9	80.9	80.9	81.3	81.8	82.2	82.9	83.7	85.0	86.6	88.2
32.5°	78.8	78.8	79.3	79.3	80.1	80.5	81.3	82.5	83.7	85.4	87.0
35°	76.9	76.9	76.9	77.7	78.1	78.8	79.3	80.5	82.2	83.7	85.4
37.5°	74.5	74.8	74.8	75.2	76.0	76.9	77.3	78.8	80.5	82.2	83.7
40°	72.0	72.4	72.4	72.8	74.0	74.5	75.2	76.9	78.1	80.1	81.8
42.5°	69.6	69.6	70.0	70.4	71.5	72.0	72.8	74.5	76.0	77.7	79.3
45°	66.3	66.6	67.1	67.5	68.7	69.6	70.4	71.5	73.2	74.8	76.4
47.5°	63.4	63.4	63.8	64.7	65.9	66.6	67.1	68.7	70.0	71.5	73.2
50°	60.2	60.6	60.6	61.4	62.6	63.4	63.8	65.5	66.6	68.3	70.0
52.5°	56.5	56.9	57.4	58.2	59.3	60.2	60.6	61.8	63.0	64.7	65.9
55°	53.3	53.7	53.7	54.4	55.7	56.1	56.9	57.8	59.3	60.6	62.2
57.5°	49.6	50.0	50.0	50.8	51.6	52.5	52.9	54.1	55.3	56.5	57.8
60°	45.6	46.0	46.3	46.7	47.6	48.4	48.8	49.6	50.8	52.0	53.3
62.5°	41.5	41.9	42.2	42.7	43.5	43.9	44.3	45.6	46.3	47.6	48.4
65°	37.4	37.8	38.3	38.6	39.0	39.4	39.8	40.7	41.5	42.7	43.1
67.5°	33.4	33.8	33.8	34.2	34.5	34.9	35.4	36.2	36.6	37.8	38.3
70°	29.3	29.3	29.3	29.7	29.7	30.1	30.5	31.3	31.7	32.5	33.4
72.5°	24.4	24.8	24.8	24.8	25.2	25.6	26.1	26.4	26.8	27.2	28.1
75°	19.9	20.3	19.9	20.3	20.8	20.8	21.2	21.6	22.0	22.3	22.7
77.5°	15.9	15.4	15.9	15.9	16.3	16.3	16.3	16.7	17.5	17.5	18.3
80°	11.4	11.4	11.4	11.4	11.8	11.8	12.2	12.2	13.0	13.4	13.9
82.5°	7.3	7.3	7.7	7.7	7.7	8.1	8.1	8.5	9.0	9.4	9.8
85°	4.1	4.1	4.1	4.5	4.5	4.9	4.9	5.3	5.7	6.1	6.5
87.5°	1.2	1.7	2.0	2.0	2.4	2.4	2.8	2.8	3.7	4.1	4.5
90°	0.4	0.4	0.8	0.8	0.8	1.2	1.2	1.7	1.7	2.0	2.4
92.5°	6.9	16.3	33.8	50.4	43.5	40.7	24.4	7.3	6.5	6.9	6.9
95°	14.2	26.8	49.2	79.7	103.3	117.9	127.7	146.4	165.5	162.3	121.2
97.5°	20.8	34.5	59.3	87.4	119.9	136.6	149.2	171.6	196.0	216.3	231.0
100°	27.2	41.5	67.9	97.2	127.2	142.3	157.0	187.4	211.4	231.7	251.3
102.5°	34.2	48.4	75.6	106.2	135.8	150.5	164.7	191.5	218.4	242.8	261.9
105°	41.1	55.7	82.5	113.9	143.5	158.2	172.0	197.6	222.4	245.2	267.2
107.5°	48.4	62.2	88.6	119.9	149.6	164.3	178.1	203.7	227.7	250.5	270.4
110°	54.9	68.3	94.7	125.7	155.3	170.0	183.8	209.4	233.0	254.6	274.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	61.0	74.0	100.4	130.6	159.8	174.5	187.8	213.5	237.0	258.2	277.7
115°	67.9	79.3	106.2	135.0	163.8	178.1	191.5	216.7	240.3	261.0	280.1
117.5°	73.6	84.6	111.0	138.7	167.1	180.9	194.0	219.2	242.4	263.1	281.8
120°	79.3	89.5	115.5	141.9	169.6	183.0	196.0	220.8	243.9	264.3	282.6
122.5°	85.0	94.4	119.1	145.2	171.6	185.0	197.6	222.0	244.8	264.7	282.6
125°	90.3	98.4	122.4	147.6	172.8	185.8	198.0	222.0	244.4	263.9	281.8
127.5°	95.1	102.8	124.8	150.1	173.6	186.3	198.0	221.2	243.5	262.7	280.1
130°	100.0	106.9	127.2	151.2	174.5	185.8	197.2	219.5	241.5	260.6	277.3
132.5°	104.9	111.4	129.3	152.5	174.9	185.8	196.4	218.0	239.1	257.8	273.7
135°	109.4	114.7	131.3	153.3	174.5	185.0	194.8	215.1	235.5	253.7	269.2
137.5°	113.5	117.9	133.0	153.7	174.1	183.8	193.6	211.8	231.0	248.8	263.9
140°	117.1	121.2	133.8	153.7	172.4	182.2	191.1	208.6	226.1	243.2	257.8
142.5°	120.4	124.0	135.0	152.9	170.8	180.1	188.7	205.3	221.2	237.5	251.7
145°	123.6	126.5	135.8	152.5	168.7	177.3	185.4	201.3	216.7	231.4	244.8
147.5°	126.1	128.9	136.6	150.9	166.3	174.1	181.8	196.8	211.1	224.8	237.0
150°	128.5	130.9	137.0	149.2	163.4	170.4	177.3	191.5	205.3	218.0	229.3
152.5°	130.9	132.6	138.3	147.6	160.2	166.7	173.6	186.3	198.9	210.7	221.6
155°	132.6	133.8	138.7	146.0	157.0	162.7	168.3	180.1	191.5	202.5	212.6
157.5°	134.2	135.4	139.0	144.8	153.3	158.6	163.4	173.6	184.2	194.0	203.3
160°	135.4	136.2	139.0	143.9	150.1	153.7	158.2	167.5	176.5	185.0	193.1
162.5°	136.6	137.0	139.0	142.8	147.2	149.6	152.9	160.2	168.3	175.6	183.0
165°	137.4	137.9	139.0	141.9	144.8	146.8	148.4	153.7	159.8	166.3	172.4
167.5°	138.3	138.3	139.0	141.1	142.8	143.9	145.2	148.0	152.1	157.0	161.4
170°	138.7	138.7	139.0	140.3	141.5	141.9	142.8	144.3	146.4	148.8	151.6
172.5°	138.7	138.7	138.7	139.4	139.9	139.9	139.9	140.7	141.9	143.5	144.8
175°	138.7	138.3	138.3	138.7	138.3	138.3	138.3	138.3	138.7	139.4	139.9
177.5°	138.7	138.3	137.9	137.9	137.4	137.4	137.0	137.0	137.0	137.0	137.0
180°	136.2	136.2	136.2	136.2	136.2	136.2	136.2	136.2	136.2	136.2	136.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
2.5°	90.3	90.3	89.9	89.5	89.5	89.5	89.1	88.6	88.2	88.2
5°	90.3	90.3	89.9	89.9	89.9	89.9	89.5	89.5	89.1	89.1
7.5°	90.6	90.3	90.3	90.3	90.3	90.3	90.3	90.3	89.9	89.9
10°	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
12.5°	91.1	91.1	91.1	91.1	91.5	91.5	91.5	91.5	91.5	91.5
15°	91.1	91.5	91.9	91.9	91.9	92.3	92.3	92.3	92.3	92.3
17.5°	91.5	91.9	92.3	92.3	92.7	92.7	93.1	93.1	93.1	93.1
20°	91.5	91.9	92.3	92.7	93.1	93.1	93.5	94.0	94.0	93.5
22.5°	91.1	91.9	92.3	92.7	93.1	93.5	94.0	94.4	94.4	94.4
25°	90.6	91.5	92.3	93.1	93.1	93.5	94.4	94.4	94.4	94.4
27.5°	90.3	91.1	91.9	92.7	93.1	93.5	94.0	94.4	94.4	94.4
30°	89.5	90.6	91.5	92.3	92.7	93.1	93.5	94.0	94.0	94.0
32.5°	88.2	89.5	90.3	91.5	91.9	92.3	92.7	93.1	93.1	93.1
35°	87.0	88.2	89.1	90.3	90.6	91.1	91.9	91.9	92.3	92.3
37.5°	85.0	86.6	87.4	88.6	89.1	89.5	90.3	90.6	90.6	90.6
40°	82.9	84.6	85.4	86.6	87.0	87.4	88.2	88.6	89.1	89.1
42.5°	80.5	82.2	82.9	84.2	84.6	85.0	85.8	86.2	86.6	86.6
45°	78.1	79.3	80.1	81.3	82.2	82.2	82.9	83.3	83.7	83.7
47.5°	74.8	76.0	76.9	78.1	78.8	79.3	79.7	80.1	80.5	80.5
50°	71.1	72.4	73.6	74.5	75.2	75.2	76.0	76.4	76.9	76.9
52.5°	67.5	68.3	69.6	70.7	71.1	71.5	72.0	72.4	72.8	72.8
55°	63.4	64.2	65.5	66.3	66.6	67.1	67.5	67.9	68.3	68.3
57.5°	58.9	59.8	61.0	61.8	62.2	62.6	63.0	63.4	63.8	63.8
60°	54.1	54.9	56.1	56.9	57.4	57.4	58.2	58.5	58.5	58.5
62.5°	49.2	50.0	50.8	51.6	52.0	52.5	52.9	53.3	53.3	53.3
65°	44.3	45.2	46.0	46.3	46.7	46.7	47.1	47.6	48.0	48.0
67.5°	39.0	39.8	40.7	41.1	41.5	41.5	41.9	42.2	42.2	42.2
70°	33.8	34.2	34.9	35.4	35.8	35.8	36.6	36.6	36.6	36.6
72.5°	28.5	28.9	29.7	30.1	30.5	30.5	30.9	31.3	31.3	31.3
75°	23.6	24.0	24.4	25.2	25.2	25.2	25.6	26.1	26.1	26.1
77.5°	18.7	19.1	19.5	19.9	20.3	20.3	20.8	21.2	21.2	21.2
80°	14.2	14.6	15.0	15.4	15.4	15.9	15.9	16.3	16.3	16.3
82.5°	10.1	10.5	11.0	11.4	11.8	11.8	12.2	12.6	12.6	12.2
85°	6.9	7.7	8.1	8.5	8.5	8.5	9.0	9.4	9.4	9.0
87.5°	4.9	4.9	5.3	5.7	5.7	6.1	6.1	6.5	6.5	6.5
90°	2.8	2.8	3.2	3.2	3.7	3.7	3.7	4.1	4.1	4.1
92.5°	6.9	6.9	7.3	7.3	7.3	7.3	7.7	7.7	7.7	7.7
95°	74.0	33.4	28.1	17.1	16.3	14.2	13.9	14.2	14.2	13.9
97.5°	248.4	265.9	276.9	282.2	275.7	268.8	261.0	259.8	249.2	225.7
100°	267.9	281.8	295.2	304.5	308.2	311.5	318.8	323.3	325.3	327.4
102.5°	277.7	292.3	304.1	316.0	320.8	325.3	331.8	337.1	339.1	340.7
105°	286.3	301.3	314.3	324.9	329.3	333.4	340.0	344.8	348.4	348.8
107.5°	288.3	304.1	318.8	331.8	337.1	341.5	349.3	352.9	356.2	356.2
110°	291.9	307.0	320.4	332.2	337.5	342.8	350.9	356.6	359.9	360.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	294.8	310.3	322.9	334.7	339.1	344.0	351.8	357.0	359.9	361.0
115°	297.2	312.2	324.9	335.9	340.7	345.6	353.3	357.8	361.0	362.3
117.5°	298.9	313.5	326.1	336.2	341.5	345.6	352.9	357.8	361.0	361.5
120°	299.3	313.9	326.1	336.2	340.7	345.2	352.5	357.4	360.6	360.6
122.5°	299.3	313.5	325.7	335.5	339.6	343.6	350.5	356.2	359.1	359.1
125°	297.6	311.9	323.7	333.4	337.5	341.1	348.4	353.7	356.6	357.0
127.5°	295.2	309.0	320.8	330.6	334.7	337.9	345.6	350.5	353.3	353.7
130°	291.9	305.8	317.1	326.5	330.6	334.2	340.7	346.0	349.3	350.1
132.5°	288.3	301.3	312.7	321.6	325.7	328.9	335.5	340.7	343.6	344.8
135°	283.8	296.0	307.0	316.0	320.0	323.3	329.3	334.7	337.5	338.7
137.5°	278.1	289.9	300.5	309.4	313.1	316.3	322.5	327.4	329.8	331.4
140°	271.7	282.6	293.6	301.7	305.4	308.6	313.9	319.2	321.6	322.9
142.5°	264.7	275.7	285.4	293.6	296.8	300.0	305.4	310.3	312.7	313.1
145°	257.4	267.9	276.9	284.6	287.5	290.7	295.6	300.5	303.0	303.4
147.5°	249.2	259.0	267.6	274.9	278.1	280.5	285.0	289.5	291.9	292.3
150°	239.9	248.8	256.6	263.9	266.8	269.2	274.1	278.1	280.5	281.0
152.5°	231.0	239.5	246.0	252.5	255.4	257.8	261.9	265.9	268.3	268.8
155°	221.6	229.3	235.8	241.1	243.5	246.0	249.2	252.9	255.0	255.4
157.5°	211.8	219.2	224.8	229.7	232.2	234.2	237.0	240.3	241.5	242.4
160°	201.3	207.3	212.2	217.1	219.2	221.2	224.0	226.5	228.1	228.5
162.5°	189.9	195.2	199.2	203.7	204.9	206.6	209.4	211.8	213.1	213.5
165°	178.1	183.0	186.7	190.3	191.1	192.3	194.4	196.8	197.6	198.5
167.5°	166.3	170.4	172.8	176.0	177.3	178.1	180.1	181.8	182.6	183.0
170°	155.0	157.8	159.8	162.3	162.7	163.8	165.1	166.7	167.1	167.1
172.5°	146.0	147.2	148.4	149.2	149.6	150.1	150.9	151.2	151.2	151.2
175°	140.3	141.1	141.1	141.5	141.5	141.5	141.5	141.5	141.5	141.5
177.5°	137.0	137.0	137.0	136.6	136.6	136.6	136.6	136.2	136.2	136.2
180°	136.2	136.2	136.2	136.2	136.2	136.2	136.2	136.2	136.2	136.2

(END OF REPORT)