

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: P395056

Luminaire Tested: **I3-UL-20L940-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395056
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-20L940-1D-UNV-STD-W-4
Description: CORELITE I3, OPEN TOP
2000 LUMENS
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

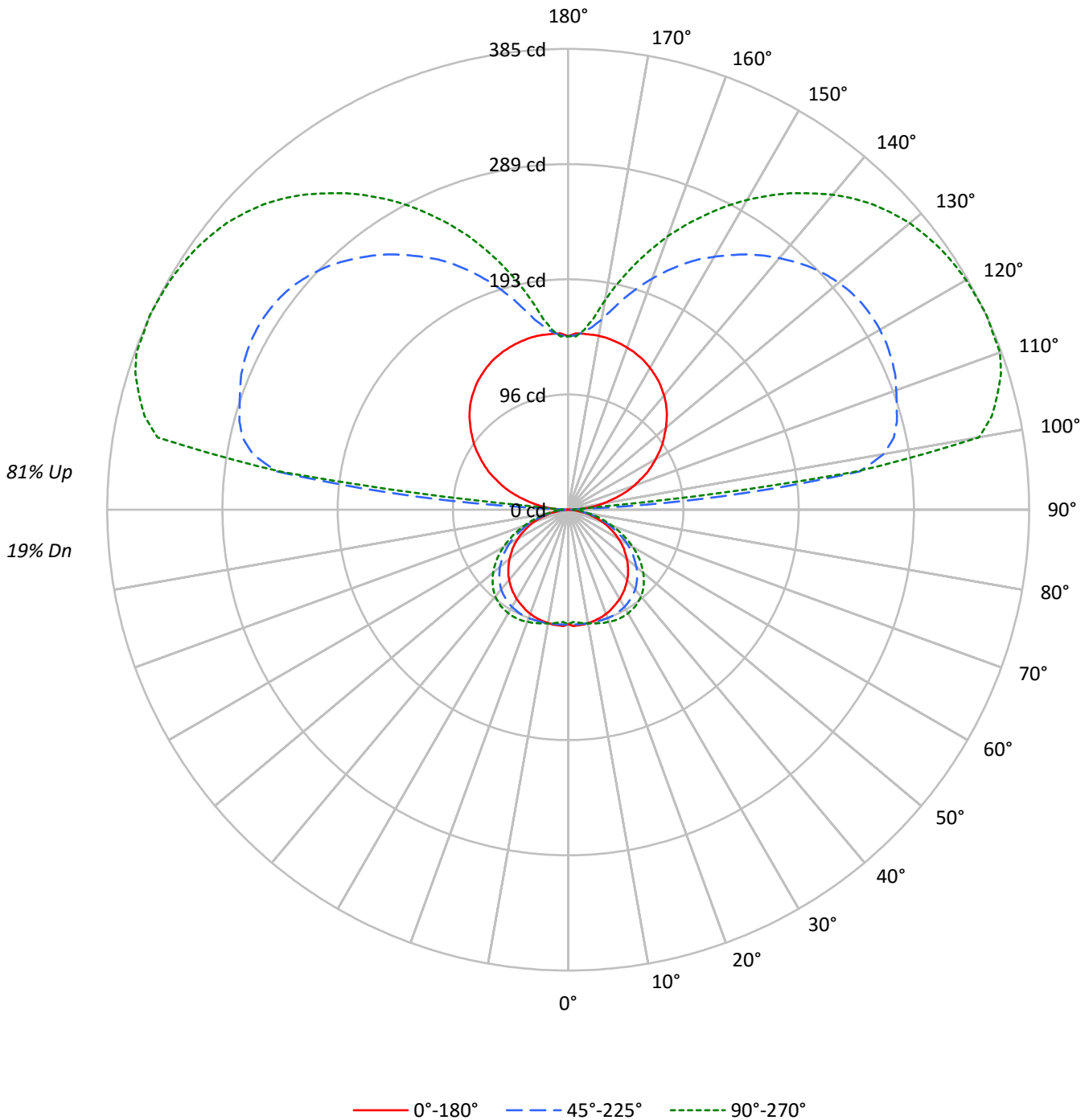
Lumens per Lamp: N/A
Luminaire Lumens: 1755.2 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.54 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 12.8
Input Voltage (V): 120
Input Current (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	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°	525	525	525
5°	533	518	508
10°	532	514	508
15°	533	512	513
20°	533	514	519
25°	532	516	527
30°	533	517	532
35°	533	514	534
40°	531	510	531
45°	526	499	519
50°	521	483	501
55°	512	460	472
60°	497	427	434
65°	474	379	387
70°	449	330	326
75°	389	258	262
80°	309	186	189
85°	182	108	125



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.2	0.5
10°-20°	27.3	1.6
20°-30°	43.9	2.5
30°-40°	56.5	3.2
40°-50°	62.0	3.5
50°-60°	58.3	3.3
60°-70°	45.3	2.6
70°-80°	26.0	1.5
80°-90°	8.3	0.5
90°-100°	112.2	6.4
100°-110°	266.6	15.2
110°-120°	267.9	15.3
120°-130°	245.6	14.0
130°-140°	205.4	11.7
140°-150°	154.2	8.8
150°-160°	100.4	5.7
160°-170°	51.7	2.9
170°-180°	14.6	0.8
0°-30°	80.3	4.6
0°-40°	136.8	7.8
0°-60°	257.1	14.6
0°-90°	336.7	19.2
90°-120°	646.7	36.8
90°-150°	1251.9	71.3
90°-180°	1419.0	80.8
0°-180°	1755.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	96	96	96	96	96	
5°	97	96	96	96	95	9
15°	95	94	96	98	98	27
25°	90	90	96	99	100	41
35°	82	84	91	96	98	51
45°	71	74	81	87	89	55
55°	57	60	66	71	73	51
65°	40	42	46	50	51	39
75°	21	22	24	27	28	23
85°	4	5	7	9	10	5
90°	0	1	3	4	4	1
95°	15	126	129	17	15	15
105°	44	168	284	350	371	46
115°	72	190	298	362	385	71
125°	96	198	300	359	380	86
135°	116	197	286	340	360	90
145°	132	189	260	306	323	82
155°	141	173	226	259	272	65
165°	146	156	183	203	211	41
175°	148	147	149	151	151	14
180°	145	145	145	145	145	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
2.5°	97.3	96.9	96.4	96.4	96.1	96.1	96.1	95.6	95.6	95.6	96.1
5°	96.9	96.9	96.4	96.1	96.1	96.1	95.6	95.6	95.6	95.6	96.1
7.5°	96.9	96.4	96.1	96.1	95.6	95.6	95.6	95.6	95.6	95.6	96.1
10°	96.1	96.1	95.6	95.6	95.2	95.6	95.6	95.6	95.6	95.6	96.4
12.5°	95.6	95.6	95.2	94.7	94.7	94.7	95.2	95.2	95.2	95.6	96.4
15°	94.7	94.7	94.3	94.3	94.3	94.3	94.7	94.7	95.2	95.6	96.4
17.5°	93.9	93.9	93.4	93.4	93.4	93.9	93.9	94.3	94.7	95.6	96.4
20°	92.5	92.5	92.5	92.5	92.5	93.0	93.0	93.4	94.3	95.2	96.4
22.5°	91.3	91.3	91.3	91.3	91.3	91.7	92.1	93.0	93.4	94.7	96.1
25°	89.5	89.5	89.5	89.5	90.0	90.4	90.9	91.7	92.5	93.9	95.6
27.5°	87.8	88.2	88.2	88.2	88.7	89.1	89.5	90.4	91.7	93.4	94.7
30°	86.1	86.1	86.1	86.5	87.0	87.4	88.2	89.1	90.4	92.1	93.9
32.5°	83.9	83.9	84.3	84.3	85.2	85.7	86.5	87.8	89.1	90.9	92.5
35°	81.8	81.8	81.8	82.6	83.1	83.9	84.3	85.7	87.4	89.1	90.9
37.5°	79.2	79.6	79.6	80.0	80.9	81.8	82.2	83.9	85.7	87.4	89.1
40°	76.6	77.0	77.0	77.4	78.8	79.2	80.0	81.8	83.1	85.2	87.0
42.5°	74.0	74.0	74.4	74.9	76.1	76.6	77.4	79.2	80.9	82.6	84.3
45°	70.6	70.9	71.3	71.8	73.1	74.0	74.9	76.1	77.9	79.6	81.3
47.5°	67.5	67.5	67.9	68.8	70.1	70.9	71.3	73.1	74.4	76.1	77.9
50°	64.0	64.5	64.5	65.3	66.6	67.5	67.9	69.7	70.9	72.7	74.4
52.5°	60.1	60.6	61.0	61.9	63.1	64.0	64.5	65.8	67.0	68.8	70.1
55°	56.7	57.1	57.1	57.9	59.2	59.7	60.6	61.5	63.1	64.5	66.2
57.5°	52.8	53.2	53.2	54.0	54.9	55.8	56.2	57.6	58.8	60.1	61.5
60°	48.5	48.9	49.3	49.7	50.6	51.5	51.9	52.8	54.0	55.4	56.7
62.5°	44.2	44.6	44.9	45.4	46.3	46.7	47.2	48.5	49.3	50.6	51.5
65°	39.8	40.3	40.7	41.1	41.5	41.9	42.4	43.3	44.2	45.4	45.8
67.5°	35.5	35.9	35.9	36.4	36.7	37.2	37.6	38.5	38.9	40.3	40.7
70°	31.2	31.2	31.2	31.6	31.6	32.1	32.4	33.3	33.7	34.6	35.5
72.5°	26.0	26.4	26.4	26.4	26.8	27.3	27.7	28.1	28.5	29.0	29.8
75°	21.2	21.6	21.2	21.6	22.1	22.1	22.5	23.0	23.4	23.8	24.2
77.5°	16.9	16.4	16.9	16.9	17.3	17.3	17.3	17.7	18.6	18.6	19.4
80°	12.1	12.1	12.1	12.1	12.5	12.5	13.0	13.0	13.9	14.3	14.7
82.5°	7.8	7.8	8.2	8.2	8.2	8.7	8.7	9.1	9.5	10.0	10.4
85°	4.3	4.3	4.3	4.8	4.8	5.2	5.2	5.7	6.1	6.4	6.9
87.5°	1.3	1.8	2.1	2.1	2.6	2.6	3.0	3.0	3.9	4.3	4.8
90°	0.4	0.4	0.9	0.9	0.9	1.3	1.3	1.8	1.8	2.1	2.6
92.5°	7.3	17.3	35.9	53.6	46.3	43.3	26.0	7.8	6.9	7.3	7.3
95°	15.1	28.5	52.4	84.8	109.8	125.5	135.8	155.8	176.1	172.6	128.9
97.5°	22.1	36.7	63.1	93.0	127.6	145.3	158.8	182.5	208.5	230.1	245.7
100°	29.0	44.2	72.2	103.4	135.4	151.4	167.0	199.4	224.9	246.5	267.4
102.5°	36.4	51.5	80.4	112.9	144.5	160.1	175.2	203.7	232.3	258.3	278.6
105°	43.7	59.2	87.8	121.1	152.7	168.3	183.0	210.2	236.6	260.8	284.2
107.5°	51.5	66.2	94.3	127.6	159.2	174.7	189.5	216.7	242.2	266.5	287.7
110°	58.4	72.7	100.8	133.7	165.2	180.8	195.5	222.8	247.9	270.8	291.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	64.9	78.8	106.8	138.9	170.0	185.6	199.8	227.1	252.2	274.7	295.5
115°	72.2	84.3	112.9	143.6	174.3	189.5	203.7	230.6	255.6	277.7	298.0
117.5°	78.3	90.0	118.1	147.5	177.7	192.5	206.4	233.2	257.8	279.9	299.8
120°	84.3	95.2	122.8	151.0	180.4	194.7	208.5	234.9	259.5	281.1	300.7
122.5°	90.4	100.4	126.7	154.4	182.5	196.8	210.2	236.2	260.4	281.6	300.7
125°	96.1	104.7	130.2	157.0	183.8	197.7	210.7	236.2	260.0	280.7	299.8
127.5°	101.2	109.4	132.8	159.6	184.7	198.1	210.7	235.3	259.1	279.5	298.0
130°	106.4	113.7	135.4	160.9	185.6	197.7	209.8	233.6	257.0	277.3	295.0
132.5°	111.6	118.5	137.6	162.2	186.0	197.7	208.9	231.9	254.4	274.3	291.1
135°	116.4	122.0	139.7	163.1	185.6	196.8	207.2	228.9	250.5	269.9	286.4
137.5°	120.7	125.5	141.5	163.5	185.2	195.5	205.9	225.3	245.7	264.7	280.7
140°	124.6	128.9	142.3	163.5	183.4	193.8	203.4	221.9	240.5	258.7	274.3
142.5°	128.0	131.9	143.6	162.6	181.7	191.6	200.7	218.5	235.3	252.6	267.7
145°	131.5	134.6	144.5	162.2	179.5	188.6	197.3	214.1	230.6	246.2	260.4
147.5°	134.1	137.1	145.3	160.5	177.0	185.2	193.4	209.4	224.5	239.2	252.2
150°	136.7	139.2	145.8	158.8	173.9	181.3	188.6	203.7	218.5	231.9	244.0
152.5°	139.2	141.0	147.1	157.0	170.4	177.4	184.7	198.1	211.6	224.1	235.8
155°	141.0	142.3	147.5	155.3	167.0	173.1	179.1	191.6	203.7	215.5	226.2
157.5°	142.8	144.0	147.9	154.0	163.1	168.7	173.9	184.7	195.9	206.4	216.2
160°	144.0	144.9	147.9	153.1	159.6	163.5	168.3	178.2	187.7	196.8	205.5
162.5°	145.3	145.8	147.9	151.9	156.6	159.2	162.6	170.4	179.1	186.8	194.7
165°	146.2	146.7	147.9	151.0	154.0	156.2	157.9	163.5	170.0	177.0	183.4
167.5°	147.1	147.1	147.9	150.1	151.9	153.1	154.4	157.4	161.8	167.0	171.7
170°	147.5	147.5	147.9	149.2	150.6	151.0	151.9	153.6	155.8	158.3	161.3
172.5°	147.5	147.5	147.5	148.3	148.8	148.8	148.8	149.7	151.0	152.7	154.0
175°	147.5	147.1	147.1	147.5	147.1	147.1	147.1	147.1	147.5	148.3	148.8
177.5°	147.5	147.1	146.7	146.7	146.2	146.2	145.8	145.8	145.8	145.8	145.8
180°	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
2.5°	96.1	96.1	95.6	95.2	95.2	95.2	94.7	94.3	93.9	93.9
5°	96.1	96.1	95.6	95.6	95.6	95.6	95.2	95.2	94.7	94.7
7.5°	96.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1	95.6	95.6
10°	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
12.5°	96.9	96.9	96.9	96.9	97.3	97.3	97.3	97.3	97.3	97.3
15°	96.9	97.3	97.7	97.7	97.7	98.2	98.2	98.2	98.2	98.2
17.5°	97.3	97.7	98.2	98.2	98.6	98.6	99.1	99.1	99.1	99.1
20°	97.3	97.7	98.2	98.6	99.1	99.1	99.5	100.0	100.0	99.5
22.5°	96.9	97.7	98.2	98.6	99.1	99.5	100.0	100.4	100.4	100.4
25°	96.4	97.3	98.2	99.1	99.1	99.5	100.4	100.4	100.4	100.4
27.5°	96.1	96.9	97.7	98.6	99.1	99.5	100.0	100.4	100.4	100.4
30°	95.2	96.4	97.3	98.2	98.6	99.1	99.5	100.0	100.0	100.0
32.5°	93.9	95.2	96.1	97.3	97.7	98.2	98.6	99.1	99.1	99.1
35°	92.5	93.9	94.7	96.1	96.4	96.9	97.7	97.7	98.2	98.2
37.5°	90.4	92.1	93.0	94.3	94.7	95.2	96.1	96.4	96.4	96.4
40°	88.2	90.0	90.9	92.1	92.5	93.0	93.9	94.3	94.7	94.7
42.5°	85.7	87.4	88.2	89.5	90.0	90.4	91.3	91.7	92.1	92.1
45°	83.1	84.3	85.2	86.5	87.4	87.4	88.2	88.7	89.1	89.1
47.5°	79.6	80.9	81.8	83.1	83.9	84.3	84.8	85.2	85.7	85.7
50°	75.7	77.0	78.3	79.2	80.0	80.0	80.9	81.3	81.8	81.8
52.5°	71.8	72.7	74.0	75.2	75.7	76.1	76.6	77.0	77.4	77.4
55°	67.5	68.3	69.7	70.6	70.9	71.3	71.8	72.2	72.7	72.7
57.5°	62.7	63.6	64.9	65.8	66.2	66.6	67.0	67.5	67.9	67.9
60°	57.6	58.4	59.7	60.6	61.0	61.0	61.9	62.3	62.3	62.3
62.5°	52.4	53.2	54.0	54.9	55.4	55.8	56.2	56.7	56.7	56.7
65°	47.2	48.0	48.9	49.3	49.7	49.7	50.2	50.6	51.0	51.0
67.5°	41.5	42.4	43.3	43.7	44.2	44.2	44.6	44.9	44.9	44.9
70°	35.9	36.4	37.2	37.6	38.1	38.1	38.9	38.9	38.9	38.9
72.5°	30.3	30.7	31.6	32.1	32.4	32.4	32.8	33.3	33.3	33.3
75°	25.1	25.5	26.0	26.8	26.8	26.8	27.3	27.7	27.7	27.7
77.5°	19.9	20.3	20.8	21.2	21.6	21.6	22.1	22.5	22.5	22.5
80°	15.1	15.5	16.0	16.4	16.4	16.9	16.9	17.3	17.3	17.3
82.5°	10.8	11.2	11.7	12.1	12.5	12.5	13.0	13.4	13.4	13.0
85°	7.3	8.2	8.7	9.1	9.1	9.1	9.5	10.0	10.0	9.5
87.5°	5.2	5.2	5.7	6.1	6.1	6.4	6.4	6.9	6.9	6.9
90°	3.0	3.0	3.4	3.4	3.9	3.9	3.9	4.3	4.3	4.3
92.5°	7.3	7.3	7.8	7.8	7.8	7.8	8.2	8.2	8.2	8.2
95°	78.8	35.5	29.8	18.2	17.3	15.1	14.7	15.1	15.1	14.7
97.5°	264.3	282.9	294.6	300.2	293.3	285.9	277.7	276.4	265.2	240.1
100°	285.0	299.8	314.1	324.0	327.9	331.4	339.2	343.9	346.0	348.3
102.5°	295.5	311.0	323.5	336.2	341.3	346.0	353.0	358.6	360.8	362.5
105°	304.5	320.5	334.4	345.6	350.4	354.7	361.7	366.8	370.7	371.1
107.5°	306.7	323.5	339.2	353.0	358.6	363.4	371.6	375.5	379.0	379.0
110°	310.6	326.6	340.8	353.4	359.0	364.7	373.3	379.3	382.9	383.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	313.6	330.1	343.5	356.0	360.8	366.0	374.2	379.8	382.9	384.1
115°	316.2	332.2	345.6	357.4	362.5	367.7	375.9	380.7	384.1	385.4
117.5°	318.0	333.5	346.9	357.7	363.4	367.7	375.5	380.7	384.1	384.5
120°	318.4	334.0	346.9	357.7	362.5	367.2	375.0	380.2	383.7	383.7
122.5°	318.4	333.5	346.5	356.9	361.2	365.6	372.9	379.0	382.0	382.0
125°	316.6	331.8	344.4	354.7	359.0	362.9	370.7	376.3	379.3	379.8
127.5°	314.1	328.7	341.3	351.7	356.0	359.5	367.7	372.9	375.9	376.3
130°	310.6	325.3	337.4	347.4	351.7	355.6	362.5	368.1	371.6	372.4
132.5°	306.7	320.5	332.6	342.2	346.5	349.9	356.9	362.5	365.6	366.8
135°	301.9	314.9	326.6	336.2	340.4	343.9	350.4	356.0	359.0	360.4
137.5°	295.9	308.4	319.6	329.2	333.1	336.5	343.0	348.3	350.8	352.6
140°	289.0	300.7	312.3	321.0	324.9	328.3	334.0	339.6	342.2	343.5
142.5°	281.6	293.3	303.7	312.3	315.8	319.2	324.9	330.1	332.6	333.1
145°	273.8	285.0	294.6	302.8	305.9	309.3	314.5	319.6	322.3	322.7
147.5°	265.2	275.6	284.7	292.4	295.9	298.5	303.2	308.0	310.6	311.0
150°	255.2	264.7	272.9	280.7	283.8	286.4	291.6	295.9	298.5	298.9
152.5°	245.7	254.7	261.7	268.6	271.7	274.3	278.6	282.9	285.5	285.9
155°	235.8	244.0	250.9	256.5	259.1	261.7	265.2	269.1	271.3	271.7
157.5°	225.3	233.2	239.2	244.4	247.0	249.2	252.2	255.6	257.0	257.8
160°	214.1	220.6	225.8	231.0	233.2	235.3	238.3	241.0	242.6	243.1
162.5°	202.0	207.7	211.9	216.7	218.0	219.8	222.8	225.3	226.7	227.1
165°	189.5	194.7	198.6	202.5	203.4	204.6	206.8	209.4	210.2	211.1
167.5°	177.0	181.3	183.8	187.3	188.6	189.5	191.6	193.4	194.3	194.7
170°	164.9	167.9	170.0	172.6	173.1	174.3	175.6	177.4	177.7	177.7
172.5°	155.3	156.6	157.9	158.8	159.2	159.6	160.5	160.9	160.9	160.9
175°	149.2	150.1	150.1	150.6	150.6	150.6	150.6	150.6	150.6	150.6
177.5°	145.8	145.8	145.8	145.3	145.3	145.3	145.3	144.9	144.9	144.9
180°	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9

(END OF REPORT)