

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: P395059

Luminaire Tested: **I3-UL-30L940-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395059
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-30L940-1D-UNV-STD-W-4
Description: CORELITE I3, OPEN TOP
3000 LUMENS
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

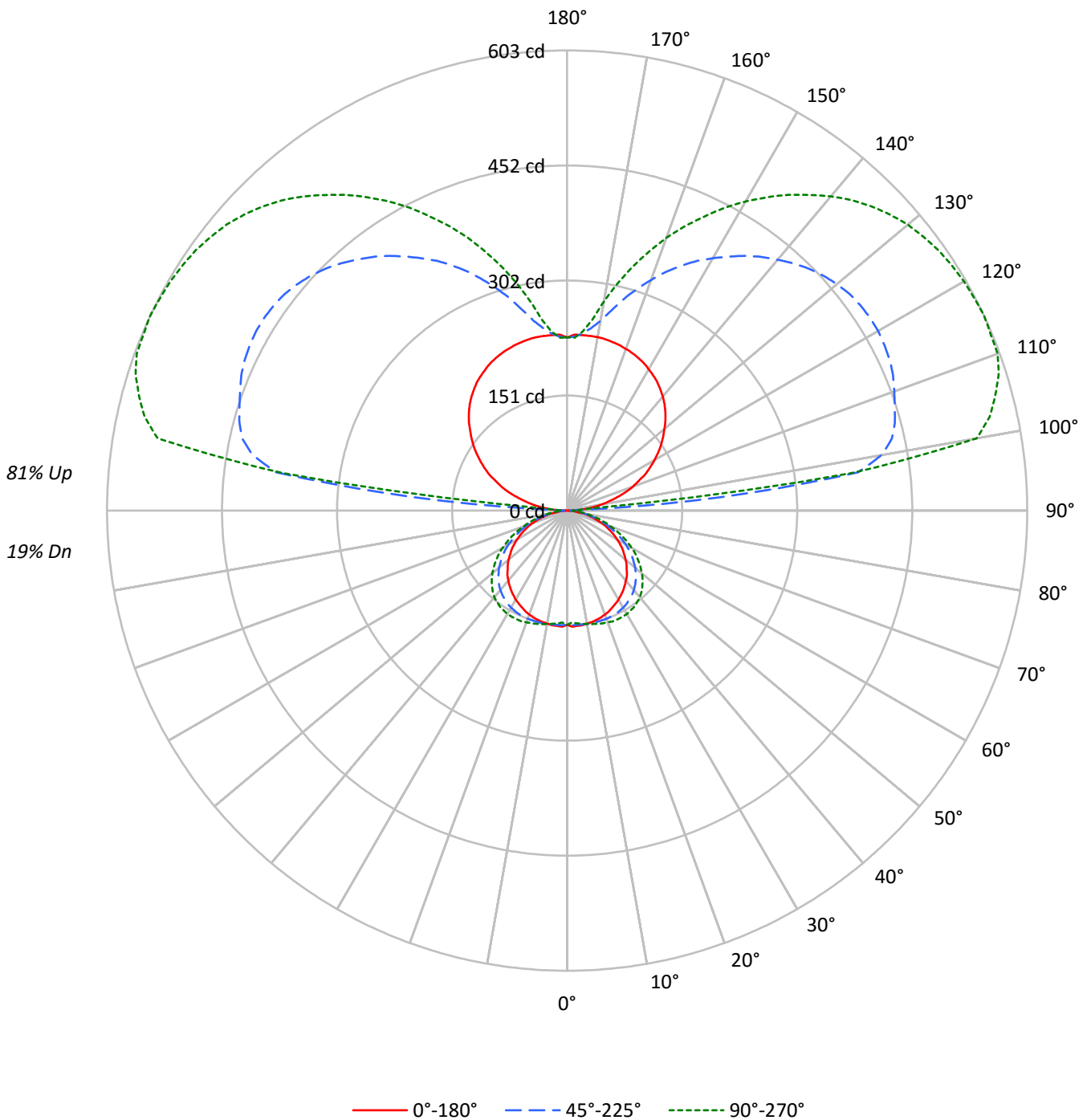
Lumens per Lamp: N/A
Luminaire Lumens: 2746.6 lumens
Efficiency: N/A
Efficacy: 139.4 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.54 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 19.7
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	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°	822	822	822
5°	833	810	795
10°	833	805	795
15°	834	802	802
20°	835	805	812
25°	833	807	824
30°	834	808	832
35°	833	804	836
40°	830	798	832
45°	823	781	813
50°	815	757	783
55°	801	720	738
60°	776	668	680
65°	743	595	606
70°	701	515	511
75°	608	404	411
80°	484	290	297
85°	289	170	195



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.3	0.5
10°-20°	42.7	1.6
20°-30°	68.7	2.5
30°-40°	88.4	3.2
40°-50°	97.1	3.5
50°-60°	91.2	3.3
60°-70°	70.9	2.6
70°-80°	40.7	1.5
80°-90°	13.0	0.5
90°-100°	175.6	6.4
100°-110°	417.2	15.2
110°-120°	419.1	15.3
120°-130°	384.4	14.0
130°-140°	321.4	11.7
140°-150°	241.2	8.8
150°-160°	157.0	5.7
160°-170°	80.9	2.9
170°-180°	22.9	0.8
0°-30°	125.7	4.6
0°-40°	214.0	7.8
0°-60°	402.3	14.6
0°-90°	526.9	19.2
90°-120°	1011.9	36.8
90°-150°	1959.0	71.3
90°-180°	2220.0	80.8
0°-180°	2746.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	150	150	150	150	150	
5°	152	150	150	150	148	14
15°	148	148	151	153	154	42
25°	140	142	150	155	157	65
35°	128	131	142	151	154	80
45°	110	116	127	137	139	85
55°	89	93	104	111	114	79
65°	62	66	72	78	80	62
75°	33	34	38	42	43	35
85°	7	8	11	14	15	8
90°	1	2	4	6	7	2
95°	24	196	202	27	23	24
105°	68	263	445	548	581	72
115°	113	296	466	567	603	111
125°	150	309	469	562	594	134
135°	182	308	448	533	564	140
145°	206	295	408	479	505	129
155°	221	271	354	406	425	102
165°	229	244	287	318	330	65
175°	231	230	233	236	236	22
180°	227	227	227	227	227	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	149.6	149.6	149.6	149.6	149.6	149.6	149.6	149.6	149.6	149.6	149.6
2.5°	152.3	151.6	150.9	150.9	150.3	150.3	150.3	149.6	149.6	149.6	150.3
5°	151.6	151.6	150.9	150.3	150.3	150.3	149.6	149.6	149.6	149.6	150.3
7.5°	151.6	150.9	150.3	150.3	149.6	149.6	149.6	149.6	149.6	149.6	150.3
10°	150.3	150.3	149.6	149.6	148.9	149.6	149.6	149.6	149.6	149.6	150.9
12.5°	149.6	149.6	148.9	148.3	148.3	148.3	148.9	148.9	148.9	149.6	150.9
15°	148.3	148.3	147.5	147.5	147.5	147.5	148.3	148.3	148.9	149.6	150.9
17.5°	146.8	146.8	146.2	146.2	146.2	146.8	146.8	147.5	148.3	149.6	150.9
20°	144.9	144.9	144.9	144.9	144.9	145.5	145.5	146.2	147.5	148.9	150.9
22.5°	142.9	142.9	142.9	142.9	142.9	143.5	144.2	145.5	146.2	148.3	150.3
25°	140.1	140.1	140.1	140.1	140.8	141.5	142.2	143.5	144.9	146.8	149.6
27.5°	137.4	138.1	138.1	138.1	138.8	139.4	140.1	141.5	143.5	146.2	148.3
30°	134.7	134.7	134.7	135.4	136.1	136.8	138.1	139.4	141.5	144.2	146.8
32.5°	131.3	131.3	132.0	132.0	133.3	134.0	135.4	137.4	139.4	142.2	144.9
35°	127.9	127.9	127.9	129.3	130.0	131.3	132.0	134.0	136.8	139.4	142.2
37.5°	123.9	124.6	124.6	125.2	126.6	127.9	128.7	131.3	134.0	136.8	139.4
40°	119.8	120.5	120.5	121.1	123.2	123.9	125.2	127.9	130.0	133.3	136.1
42.5°	115.8	115.8	116.5	117.1	119.1	119.8	121.1	123.9	126.6	129.3	132.0
45°	110.4	111.0	111.7	112.4	114.4	115.8	117.1	119.1	121.9	124.6	127.2
47.5°	105.6	105.6	106.3	107.6	109.7	111.0	111.7	114.4	116.5	119.1	121.9
50°	100.2	100.8	100.8	102.3	104.3	105.6	106.3	109.0	111.0	113.7	116.5
52.5°	94.1	94.7	95.5	96.8	98.8	100.2	100.8	102.9	104.9	107.6	109.7
55°	88.7	89.4	89.4	90.7	92.7	93.4	94.7	96.2	98.8	100.8	103.6
57.5°	82.6	83.3	83.3	84.6	86.0	87.3	88.0	90.1	92.1	94.1	96.2
60°	75.8	76.5	77.2	77.9	79.2	80.5	81.2	82.6	84.6	86.6	88.7
62.5°	69.1	69.8	70.4	71.1	72.4	73.1	73.8	75.8	77.2	79.2	80.5
65°	62.3	63.0	63.7	64.3	65.0	65.7	66.3	67.7	69.1	71.1	71.8
67.5°	55.5	56.2	56.2	56.9	57.6	58.2	58.9	60.2	60.9	63.0	63.7
70°	48.7	48.7	48.7	49.4	49.4	50.1	50.8	52.1	52.8	54.1	55.5
72.5°	40.6	41.3	41.3	41.3	41.9	42.6	43.4	44.0	44.7	45.4	46.7
75°	33.2	33.8	33.2	33.8	34.5	34.5	35.2	35.8	36.6	37.3	37.9
77.5°	26.4	25.7	26.4	26.4	27.1	27.1	27.1	27.7	29.1	29.1	30.5
80°	19.0	19.0	19.0	19.0	19.6	19.6	20.3	20.3	21.6	22.3	23.0
82.5°	12.2	12.2	12.9	12.9	12.9	13.5	13.5	14.2	14.9	15.5	16.2
85°	6.8	6.8	6.8	7.4	7.4	8.1	8.1	8.8	9.4	10.2	10.9
87.5°	2.0	2.7	3.4	3.4	4.1	4.1	4.8	4.8	6.1	6.8	7.4
90°	0.7	0.7	1.3	1.3	1.3	2.0	2.0	2.7	2.7	3.4	4.1
92.5°	11.5	27.1	56.2	84.0	72.4	67.7	40.6	12.2	10.9	11.5	11.5
95°	23.7	44.7	81.9	132.7	171.9	196.3	212.5	243.7	275.5	270.1	201.7
97.5°	34.5	57.6	98.8	145.5	199.6	227.5	248.4	285.7	326.3	360.1	384.5
100°	45.4	69.1	113.0	161.8	211.8	236.9	261.3	312.1	352.0	385.9	418.4
102.5°	56.9	80.5	125.9	176.7	226.0	250.4	274.2	318.9	363.5	404.1	435.9
105°	68.3	92.7	137.4	189.5	238.9	263.3	286.4	329.0	370.2	408.2	444.7
107.5°	80.5	103.6	147.5	199.6	249.1	273.5	296.5	339.2	379.1	417.0	450.2
110°	91.4	113.7	157.7	209.2	258.5	282.9	306.0	348.6	387.9	423.8	456.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	101.5	123.2	167.2	217.3	266.0	290.4	312.8	355.4	394.6	429.8	462.3
115°	113.0	132.0	176.7	224.7	272.8	296.5	318.9	360.8	400.1	434.6	466.4
117.5°	122.6	140.8	184.8	230.8	278.2	301.2	322.9	364.9	403.4	438.0	469.0
120°	132.0	148.9	192.2	236.2	282.3	304.6	326.3	367.6	406.2	440.0	470.5
122.5°	141.5	157.0	198.3	241.7	285.7	308.0	329.0	369.6	407.5	440.6	470.5
125°	150.3	163.8	203.7	245.7	287.7	309.3	329.6	369.6	406.8	439.3	469.0
127.5°	158.4	171.2	207.8	249.8	289.0	310.0	329.6	368.2	405.5	437.3	466.4
130°	166.5	178.0	211.8	251.8	290.4	309.3	328.3	365.6	402.1	433.9	461.6
132.5°	174.7	185.4	215.3	253.9	291.0	309.3	327.0	362.8	398.1	429.1	455.5
135°	182.1	190.9	218.6	255.2	290.4	308.0	324.2	358.1	392.0	422.4	448.1
137.5°	188.9	196.3	221.4	255.9	289.7	306.0	322.2	352.7	384.5	414.3	439.3
140°	195.0	201.7	222.7	255.9	287.0	303.2	318.1	347.3	376.3	404.8	429.1
142.5°	200.4	206.4	224.7	254.5	284.3	299.9	314.1	341.8	368.2	395.3	419.0
145°	205.7	210.5	226.0	253.9	280.9	295.1	308.7	335.1	360.8	385.2	407.5
147.5°	209.8	214.6	227.5	251.1	276.8	289.7	302.6	327.6	351.3	374.3	394.6
150°	213.9	217.9	228.1	248.4	272.1	283.6	295.1	318.9	341.8	362.8	381.8
152.5°	217.9	220.7	230.1	245.7	266.7	277.5	289.0	310.0	331.0	350.6	368.9
155°	220.7	222.7	230.8	243.0	261.3	270.7	280.3	299.9	318.9	337.1	354.0
157.5°	223.4	225.4	231.5	241.0	255.2	264.0	272.1	289.0	306.7	322.9	338.5
160°	225.4	226.8	231.5	239.6	249.8	255.9	263.3	278.9	293.8	308.0	321.5
162.5°	227.5	228.1	231.5	237.6	245.0	249.1	254.5	266.7	280.3	292.4	304.6
165°	228.8	229.5	231.5	236.2	241.0	244.3	247.1	255.9	266.0	276.8	287.0
167.5°	230.1	230.1	231.5	234.9	237.6	239.6	241.7	246.4	253.2	261.3	268.7
170°	230.8	230.8	231.5	233.6	235.6	236.2	237.6	240.3	243.7	247.8	252.4
172.5°	230.8	230.8	230.8	232.1	232.8	232.8	232.8	234.2	236.2	238.9	241.0
175°	230.8	230.1	230.1	230.8	230.1	230.1	230.1	230.1	230.8	232.1	232.8
177.5°	230.8	230.1	229.5	229.5	228.8	228.8	228.1	228.1	228.1	228.1	228.1
180°	226.8	226.8	226.8	226.8	226.8	226.8	226.8	226.8	226.8	226.8	226.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	149.6	149.6	149.6	149.6	149.6	149.6	149.6	149.6	149.6	149.6
2.5°	150.3	150.3	149.6	148.9	148.9	148.9	148.3	147.5	146.8	146.8
5°	150.3	150.3	149.6	149.6	149.6	149.6	148.9	148.9	148.3	148.3
7.5°	150.9	150.3	150.3	150.3	150.3	150.3	150.3	150.3	149.6	149.6
10°	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9
12.5°	151.6	151.6	151.6	151.6	152.3	152.3	152.3	152.3	152.3	152.3
15°	151.6	152.3	152.9	152.9	152.9	153.6	153.6	153.6	153.6	153.6
17.5°	152.3	152.9	153.6	153.6	154.3	154.3	155.0	155.0	155.0	155.0
20°	152.3	152.9	153.6	154.3	155.0	155.0	155.7	156.4	156.4	155.7
22.5°	151.6	152.9	153.6	154.3	155.0	155.7	156.4	157.0	157.0	157.0
25°	150.9	152.3	153.6	155.0	155.0	155.7	157.0	157.0	157.0	157.0
27.5°	150.3	151.6	152.9	154.3	155.0	155.7	156.4	157.0	157.0	157.0
30°	148.9	150.9	152.3	153.6	154.3	155.0	155.7	156.4	156.4	156.4
32.5°	146.8	148.9	150.3	152.3	152.9	153.6	154.3	155.0	155.0	155.0
35°	144.9	146.8	148.3	150.3	150.9	151.6	152.9	152.9	153.6	153.6
37.5°	141.5	144.2	145.5	147.5	148.3	148.9	150.3	150.9	150.9	150.9
40°	138.1	140.8	142.2	144.2	144.9	145.5	146.8	147.5	148.3	148.3
42.5°	134.0	136.8	138.1	140.1	140.8	141.5	142.9	143.5	144.2	144.2
45°	130.0	132.0	133.3	135.4	136.8	136.8	138.1	138.8	139.4	139.4
47.5°	124.6	126.6	127.9	130.0	131.3	132.0	132.7	133.3	134.0	134.0
50°	118.5	120.5	122.6	123.9	125.2	125.2	126.6	127.2	127.9	127.9
52.5°	112.4	113.7	115.8	117.8	118.5	119.1	119.8	120.5	121.1	121.1
55°	105.6	106.9	109.0	110.4	111.0	111.7	112.4	113.0	113.7	113.7
57.5°	98.2	99.5	101.5	102.9	103.6	104.3	104.9	105.6	106.3	106.3
60°	90.1	91.4	93.4	94.7	95.5	95.5	96.8	97.5	97.5	97.5
62.5°	81.9	83.3	84.6	86.0	86.6	87.3	88.0	88.7	88.7	88.7
65°	73.8	75.1	76.5	77.2	77.9	77.9	78.5	79.2	79.9	79.9
67.5°	65.0	66.3	67.7	68.3	69.1	69.1	69.8	70.4	70.4	70.4
70°	56.2	56.9	58.2	58.9	59.6	59.6	60.9	60.9	60.9	60.9
72.5°	47.4	48.0	49.4	50.1	50.8	50.8	51.5	52.1	52.1	52.1
75°	39.3	39.9	40.6	41.9	41.9	41.9	42.6	43.4	43.4	43.4
77.5°	31.2	31.8	32.5	33.2	33.8	33.8	34.5	35.2	35.2	35.2
80°	23.7	24.4	25.1	25.7	25.7	26.4	26.4	27.1	27.1	27.1
82.5°	17.0	17.6	18.3	19.0	19.6	19.6	20.3	21.0	21.0	20.3
85°	11.5	12.9	13.5	14.2	14.2	14.2	14.9	15.5	15.5	14.9
87.5°	8.1	8.1	8.8	9.4	9.4	10.2	10.2	10.9	10.9	10.9
90°	4.8	4.8	5.4	5.4	6.1	6.1	6.1	6.8	6.8	6.8
92.5°	11.5	11.5	12.2	12.2	12.2	12.2	12.9	12.9	12.9	12.9
95°	123.2	55.5	46.7	28.4	27.1	23.7	23.0	23.7	23.7	23.0
97.5°	413.6	442.6	460.9	469.8	458.9	447.4	434.6	432.6	414.9	375.7
100°	446.1	469.0	491.4	507.0	513.1	518.5	530.7	538.1	541.5	544.9
102.5°	462.3	486.7	506.3	525.9	534.0	541.5	552.3	561.1	564.5	567.2
105°	476.6	501.5	523.3	540.8	548.3	555.1	565.9	574.0	580.1	580.7
107.5°	479.9	506.3	530.7	552.3	561.1	568.6	581.5	587.5	592.9	592.9
110°	486.0	511.1	533.4	553.0	561.9	570.6	584.2	593.6	599.0	600.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	490.8	516.5	537.5	557.1	564.5	572.6	585.5	594.3	599.0	601.1
115°	494.8	519.8	540.8	559.1	567.2	575.4	588.3	595.7	601.1	603.1
117.5°	497.5	521.9	542.9	559.8	568.6	575.4	587.5	595.7	601.1	601.8
120°	498.2	522.6	542.9	559.8	567.2	574.7	586.8	595.0	600.4	600.4
122.5°	498.2	521.9	542.2	558.4	565.2	572.0	583.5	592.9	597.7	597.7
125°	495.5	519.2	538.8	555.1	561.9	567.9	580.1	588.9	593.6	594.3
127.5°	491.4	514.4	534.0	550.3	557.1	562.5	575.4	583.5	588.3	588.9
130°	486.0	509.0	527.9	543.6	550.3	556.4	567.2	576.1	581.5	582.8
132.5°	479.9	501.5	520.5	535.5	542.2	547.6	558.4	567.2	572.0	574.0
135°	472.5	492.8	511.1	525.9	532.7	538.1	548.3	557.1	561.9	563.9
137.5°	463.0	482.6	500.2	515.1	521.2	526.6	536.8	544.9	549.0	551.7
140°	452.2	470.5	488.7	502.3	508.3	513.7	522.6	531.4	535.5	537.5
142.5°	440.6	458.9	475.1	488.7	494.1	499.5	508.3	516.5	520.5	521.2
145°	428.5	446.1	460.9	473.8	478.6	484.0	492.1	500.2	504.3	505.0
147.5°	414.9	431.2	445.4	457.6	463.0	467.0	474.5	481.9	486.0	486.7
150°	399.4	414.3	427.1	439.3	444.1	448.1	456.2	463.0	467.0	467.7
152.5°	384.5	398.7	409.5	420.4	425.1	429.1	435.9	442.6	446.7	447.4
155°	368.9	381.8	392.6	401.4	405.5	409.5	414.9	421.0	424.5	425.1
157.5°	352.7	364.9	374.3	382.4	386.5	389.9	394.6	400.1	402.1	403.4
160°	335.1	345.3	353.4	361.5	364.9	368.2	373.0	377.0	379.8	380.4
162.5°	316.1	324.9	331.7	339.2	341.2	343.8	348.6	352.7	354.7	355.4
165°	296.5	304.6	310.7	316.8	318.1	320.2	323.5	327.6	329.0	330.3
167.5°	276.8	283.6	287.7	293.1	295.1	296.5	299.9	302.6	303.9	304.6
170°	257.9	262.6	266.0	270.1	270.7	272.8	274.8	277.5	278.2	278.2
172.5°	243.0	245.0	247.1	248.4	249.1	249.8	251.1	251.8	251.8	251.8
175°	233.6	234.9	234.9	235.6	235.6	235.6	235.6	235.6	235.6	235.6
177.5°	228.1	228.1	228.1	227.5	227.5	227.5	227.5	226.8	226.8	226.8
180°	226.8	226.8	226.8	226.8	226.8	226.8	226.8	226.8	226.8	226.8

(END OF REPORT)