

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: P395061

Luminaire Tested: **I3-UL-40L935-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395061
Test Lab: INNOVATION CENTER (G2)
Issue Date: 3/30/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-UL-40L935-1D-UNV-STD-W-4
Description: CORELITE I3, OPEN TOP
4000 LUMENS
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

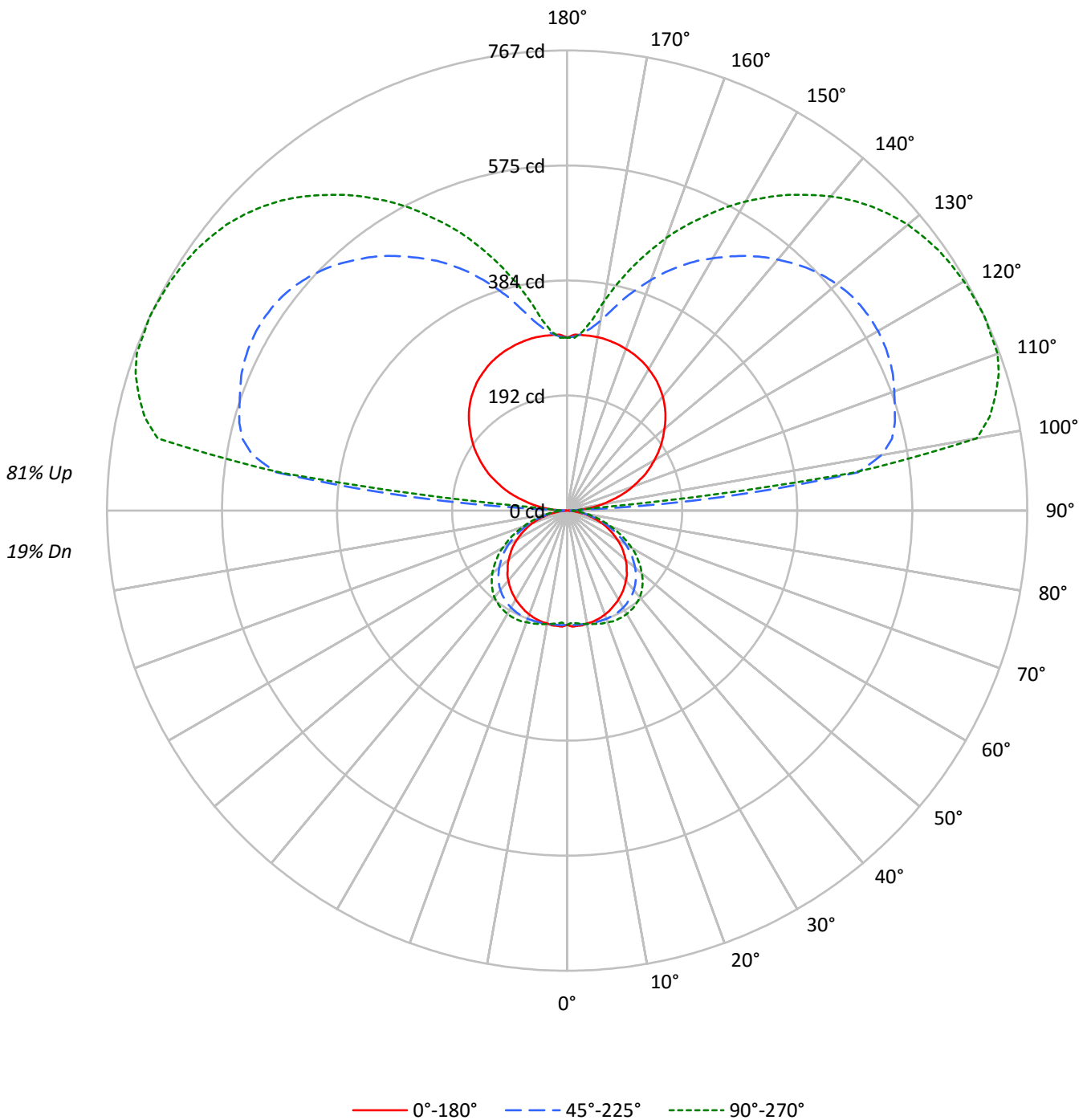
Lumens per Lamp: N/A
Luminaire Lumens: 3493.6 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.54 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 27.9
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	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°	1046	1046	1046
5°	1060	1030	1011
10°	1059	1024	1012
15°	1061	1020	1021
20°	1062	1024	1033
25°	1060	1027	1049
30°	1061	1028	1059
35°	1060	1023	1063
40°	1056	1016	1057
45°	1046	994	1034
50°	1037	962	996
55°	1019	915	939
60°	987	849	864
65°	944	756	771
70°	892	656	650
75°	773	514	521
80°	615	370	377
85°	365	216	248



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.2	0.5
10°-20°	54.3	1.6
20°-30°	87.3	2.5
30°-40°	112.4	3.2
40°-50°	123.5	3.5
50°-60°	116.0	3.3
60°-70°	90.1	2.6
70°-80°	51.7	1.5
80°-90°	16.6	0.5
90°-100°	223.3	6.4
100°-110°	530.7	15.2
110°-120°	533.1	15.3
120°-130°	488.9	14.0
130°-140°	408.8	11.7
140°-150°	306.8	8.8
150°-160°	199.7	5.7
160°-170°	102.9	2.9
170°-180°	29.1	0.8
0°-30°	159.8	4.6
0°-40°	272.2	7.8
0°-60°	511.7	14.6
0°-90°	670.1	19.2
90°-120°	1287.2	36.8
90°-150°	2491.7	71.3
90°-180°	2823.0	80.8
0°-180°	3493.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	190	190	190	190	190	
5°	193	191	191	190	189	18
15°	189	188	192	195	195	53
25°	178	180	190	197	200	82
35°	163	167	181	192	195	102
45°	140	147	162	174	177	108
55°	113	119	132	141	145	101
65°	79	84	91	99	102	78
75°	42	44	48	53	55	45
85°	9	10	14	18	19	10
90°	1	3	5	8	9	3
95°	30	250	257	34	29	30
105°	87	335	566	697	739	92
115°	144	377	593	722	767	141
125°	191	394	597	715	756	171
135°	232	392	570	678	717	178
145°	262	375	518	609	642	164
155°	281	344	450	516	541	130
165°	291	311	365	405	420	82
175°	294	293	296	300	300	28
180°	288	288	288	288	288	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	190.3	190.3	190.3	190.3	190.3	190.3	190.3	190.3	190.3	190.3	190.3
2.5°	193.7	192.9	192.0	192.0	191.1	191.1	191.1	190.3	190.3	190.3	191.1
5°	192.9	192.9	192.0	191.1	191.1	191.1	190.3	190.3	190.3	190.3	191.1
7.5°	192.9	192.0	191.1	191.1	190.3	190.3	190.3	190.3	190.3	190.3	191.1
10°	191.1	191.1	190.3	190.3	189.4	190.3	190.3	190.3	190.3	190.3	192.0
12.5°	190.3	190.3	189.4	188.6	188.6	188.6	189.4	189.4	189.4	190.3	192.0
15°	188.6	188.6	187.7	187.7	187.7	187.7	188.6	188.6	189.4	190.3	192.0
17.5°	186.8	186.8	186.0	186.0	186.0	186.8	186.8	187.7	188.6	190.3	192.0
20°	184.3	184.3	184.3	184.3	184.3	185.1	185.1	186.0	187.7	189.4	192.0
22.5°	181.7	181.7	181.7	181.7	181.7	182.5	183.4	185.1	186.0	188.6	191.1
25°	178.2	178.2	178.2	178.2	179.1	179.9	180.8	182.5	184.3	186.8	190.3
27.5°	174.8	175.6	175.6	175.6	176.5	177.4	178.2	179.9	182.5	186.0	188.6
30°	171.3	171.3	171.3	172.2	173.1	173.9	175.6	177.4	179.9	183.4	186.8
32.5°	167.0	167.0	167.9	167.9	169.6	170.5	172.2	174.8	177.4	180.8	184.3
35°	162.7	162.7	162.7	164.5	165.3	167.0	167.9	170.5	173.9	177.4	180.8
37.5°	157.6	158.4	158.4	159.3	161.0	162.7	163.6	167.0	170.5	173.9	177.4
40°	152.4	153.3	153.3	154.1	156.7	157.6	159.3	162.7	165.3	169.6	173.1
42.5°	147.2	147.2	148.1	149.0	151.5	152.4	154.1	157.6	161.0	164.5	167.9
45°	140.3	141.2	142.1	142.9	145.5	147.2	149.0	151.5	155.0	158.4	161.9
47.5°	134.3	134.3	135.2	136.9	139.5	141.2	142.1	145.5	148.1	151.5	155.0
50°	127.4	128.3	128.3	130.0	132.6	134.3	135.2	138.6	141.2	144.6	148.1
52.5°	119.7	120.5	121.4	123.1	125.7	127.4	128.3	130.9	133.5	136.9	139.5
55°	112.8	113.7	113.7	115.4	118.0	118.8	120.5	122.3	125.7	128.3	131.7
57.5°	105.0	105.9	105.9	107.6	109.3	111.1	111.9	114.5	117.1	119.7	122.3
60°	96.4	97.3	98.2	99.0	100.7	102.5	103.3	105.0	107.6	110.2	112.8
62.5°	87.8	88.7	89.5	90.4	92.1	93.0	93.8	96.4	98.2	100.7	102.5
65°	79.2	80.1	80.9	81.8	82.7	83.5	84.4	86.1	87.8	90.4	91.3
67.5°	70.6	71.5	71.5	72.3	73.2	74.0	74.9	76.6	77.5	80.1	80.9
70°	62.0	62.0	62.0	62.9	62.9	63.7	64.6	66.3	67.2	68.9	70.6
72.5°	51.7	52.5	52.5	52.5	53.4	54.2	55.1	56.0	56.8	57.7	59.4
75°	42.2	43.0	42.2	43.0	43.9	43.9	44.8	45.6	46.5	47.4	48.2
77.5°	33.6	32.7	33.6	33.6	34.4	34.4	34.4	35.3	37.0	37.0	38.7
80°	24.1	24.1	24.1	24.1	25.0	25.0	25.8	25.8	27.6	28.4	29.3
82.5°	15.5	15.5	16.4	16.4	16.4	17.2	17.2	18.1	18.9	19.8	20.7
85°	8.6	8.6	8.6	9.5	9.5	10.3	10.3	11.2	12.1	12.9	13.8
87.5°	2.6	3.4	4.3	4.3	5.2	5.2	6.0	6.0	7.7	8.6	9.5
90°	0.9	0.9	1.7	1.7	1.7	2.6	2.6	3.4	3.4	4.3	5.2
92.5°	14.6	34.4	71.5	106.8	92.1	86.1	51.7	15.5	13.8	14.6	14.6
95°	30.1	56.8	104.2	168.8	218.7	249.7	270.4	310.0	350.4	343.5	256.6
97.5°	43.9	73.2	125.7	185.1	254.0	289.3	316.0	363.3	415.0	458.1	489.0
100°	57.7	87.8	143.8	205.8	269.5	301.4	332.3	396.9	447.7	490.8	532.1
102.5°	72.3	102.5	160.1	224.7	287.6	318.6	348.7	405.5	462.4	514.0	554.5
105°	87.0	118.0	174.8	241.1	303.9	334.9	364.2	418.4	471.0	519.2	565.7
107.5°	102.5	131.7	187.7	254.0	316.8	347.8	377.1	431.4	482.2	530.4	572.6
110°	116.2	144.6	200.6	266.0	328.9	359.9	389.2	443.4	493.4	539.0	580.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	129.2	156.7	212.7	276.4	338.4	369.4	397.8	452.0	502.0	546.7	588.1
115°	143.8	167.9	224.7	285.9	347.0	377.1	405.5	458.9	508.9	552.8	593.2
117.5°	155.8	179.1	235.1	293.6	353.9	383.1	410.7	464.1	513.2	557.1	596.7
120°	167.9	189.4	244.5	300.5	359.0	387.4	415.0	467.5	516.6	559.6	598.4
122.5°	179.9	199.8	252.3	307.4	363.3	391.8	418.4	470.1	518.3	560.5	598.4
125°	191.1	208.4	259.2	312.5	365.9	393.5	419.3	470.1	517.5	558.8	596.7
127.5°	201.5	217.8	264.3	317.7	367.6	394.3	419.3	468.4	515.7	556.2	593.2
130°	211.8	226.4	269.5	320.3	369.4	393.5	417.6	464.9	511.4	551.9	587.2
132.5°	222.1	235.9	273.8	322.9	370.2	393.5	415.9	461.5	506.3	545.9	579.5
135°	231.6	242.8	278.1	324.6	369.4	391.8	412.4	455.5	498.5	537.3	570.0
137.5°	240.2	249.7	281.5	325.5	368.5	389.2	409.8	448.6	489.0	526.9	558.8
140°	248.0	256.6	283.3	325.5	365.1	385.7	404.7	441.7	478.7	514.9	545.9
142.5°	254.9	262.6	285.9	323.7	361.6	381.4	399.5	434.8	468.4	502.8	533.0
145°	261.7	267.8	287.6	322.9	357.3	375.4	392.6	426.2	458.9	489.9	518.3
147.5°	266.9	272.9	289.3	319.4	352.1	368.5	384.9	416.7	446.9	476.1	502.0
150°	272.1	277.2	290.2	316.0	346.1	360.8	375.4	405.5	434.8	461.5	485.6
152.5°	277.2	280.7	292.7	312.5	339.2	353.0	367.6	394.3	421.0	446.0	469.2
155°	280.7	283.3	293.6	309.1	332.3	344.4	356.5	381.4	405.5	428.8	450.3
157.5°	284.1	286.7	294.5	306.5	324.6	335.8	346.1	367.6	390.0	410.7	430.5
160°	286.7	288.4	294.5	304.8	317.7	325.5	334.9	354.7	373.7	391.8	409.0
162.5°	289.3	290.2	294.5	302.2	311.7	316.8	323.7	339.2	356.5	372.0	387.4
165°	291.0	291.9	294.5	300.5	306.5	310.8	314.3	325.5	338.4	352.1	365.1
167.5°	292.7	292.7	294.5	298.8	302.2	304.8	307.4	313.4	322.0	332.3	341.8
170°	293.6	293.6	294.5	297.0	299.6	300.5	302.2	305.7	310.0	315.1	321.2
172.5°	293.6	293.6	293.6	295.3	296.2	296.2	296.2	297.9	300.5	303.9	306.5
175°	293.6	292.7	292.7	293.6	292.7	292.7	292.7	292.7	293.6	295.3	296.2
177.5°	293.6	292.7	291.9	291.9	291.0	291.0	290.2	290.2	290.2	290.2	290.2
180°	288.4	288.4	288.4	288.4	288.4	288.4	288.4	288.4	288.4	288.4	288.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	190.3	190.3	190.3	190.3	190.3	190.3	190.3	190.3	190.3	190.3
2.5°	191.1	191.1	190.3	189.4	189.4	189.4	188.6	187.7	186.8	186.8
5°	191.1	191.1	190.3	190.3	190.3	190.3	189.4	189.4	188.6	188.6
7.5°	192.0	191.1	191.1	191.1	191.1	191.1	191.1	191.1	190.3	190.3
10°	192.0	192.0	192.0	192.0	192.0	192.0	192.0	192.0	192.0	192.0
12.5°	192.9	192.9	192.9	192.9	193.7	193.7	193.7	193.7	193.7	193.7
15°	192.9	193.7	194.6	194.6	194.6	195.4	195.4	195.4	195.4	195.4
17.5°	193.7	194.6	195.4	195.4	196.3	196.3	197.2	197.2	197.2	197.2
20°	193.7	194.6	195.4	196.3	197.2	197.2	198.0	198.9	198.9	198.0
22.5°	192.9	194.6	195.4	196.3	197.2	198.0	198.9	199.8	199.8	199.8
25°	192.0	193.7	195.4	197.2	197.2	198.0	199.8	199.8	199.8	199.8
27.5°	191.1	192.9	194.6	196.3	197.2	198.0	198.9	199.8	199.8	199.8
30°	189.4	192.0	193.7	195.4	196.3	197.2	198.0	198.9	198.9	198.9
32.5°	186.8	189.4	191.1	193.7	194.6	195.4	196.3	197.2	197.2	197.2
35°	184.3	186.8	188.6	191.1	192.0	192.9	194.6	194.6	195.4	195.4
37.5°	179.9	183.4	185.1	187.7	188.6	189.4	191.1	192.0	192.0	192.0
40°	175.6	179.1	180.8	183.4	184.3	185.1	186.8	187.7	188.6	188.6
42.5°	170.5	173.9	175.6	178.2	179.1	179.9	181.7	182.5	183.4	183.4
45°	165.3	167.9	169.6	172.2	173.9	173.9	175.6	176.5	177.4	177.4
47.5°	158.4	161.0	162.7	165.3	167.0	167.9	168.8	169.6	170.5	170.5
50°	150.7	153.3	155.8	157.6	159.3	159.3	161.0	161.9	162.7	162.7
52.5°	142.9	144.6	147.2	149.8	150.7	151.5	152.4	153.3	154.1	154.1
55°	134.3	136.0	138.6	140.3	141.2	142.1	142.9	143.8	144.6	144.6
57.5°	124.8	126.6	129.2	130.9	131.7	132.6	133.5	134.3	135.2	135.2
60°	114.5	116.2	118.8	120.5	121.4	121.4	123.1	124.0	124.0	124.0
62.5°	104.2	105.9	107.6	109.3	110.2	111.1	111.9	112.8	112.8	112.8
65°	93.8	95.6	97.3	98.2	99.0	99.0	99.9	100.7	101.6	101.6
67.5°	82.7	84.4	86.1	87.0	87.8	87.8	88.7	89.5	89.5	89.5
70°	71.5	72.3	74.0	74.9	75.8	75.8	77.5	77.5	77.5	77.5
72.5°	60.3	61.1	62.9	63.7	64.6	64.6	65.4	66.3	66.3	66.3
75°	49.9	50.8	51.7	53.4	53.4	53.4	54.2	55.1	55.1	55.1
77.5°	39.6	40.5	41.3	42.2	43.0	43.0	43.9	44.8	44.8	44.8
80°	30.1	31.0	31.9	32.7	32.7	33.6	33.6	34.4	34.4	34.4
82.5°	21.5	22.4	23.2	24.1	25.0	25.0	25.8	26.7	26.7	25.8
85°	14.6	16.4	17.2	18.1	18.1	18.1	18.9	19.8	19.8	18.9
87.5°	10.3	10.3	11.2	12.1	12.1	12.9	12.9	13.8	13.8	13.8
90°	6.0	6.0	6.9	6.9	7.7	7.7	7.7	8.6	8.6	8.6
92.5°	14.6	14.6	15.5	15.5	15.5	15.5	16.4	16.4	16.4	16.4
95°	156.7	70.6	59.4	36.2	34.4	30.1	29.3	30.1	30.1	29.3
97.5°	526.1	563.1	586.3	597.5	583.8	569.1	552.8	550.2	527.8	477.9
100°	567.4	596.7	625.1	644.9	652.6	659.5	675.0	684.5	688.8	693.1
102.5°	588.1	619.1	644.0	669.0	679.3	688.8	702.6	713.8	718.1	721.5
105°	606.1	638.0	665.6	687.9	697.4	706.0	719.8	730.1	737.9	738.7
107.5°	610.4	644.0	675.0	702.6	713.8	723.2	739.6	747.3	754.2	754.2
110°	618.2	650.1	678.5	703.4	714.6	725.8	743.0	755.1	762.0	763.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	624.2	656.9	683.6	708.6	718.1	728.4	744.8	756.0	762.0	764.6
115°	629.4	661.2	687.9	711.2	721.5	731.8	748.2	757.7	764.6	767.2
117.5°	632.8	663.8	690.5	712.0	723.2	731.8	747.3	757.7	764.6	765.4
120°	633.7	664.7	690.5	712.0	721.5	731.0	746.5	756.8	763.7	763.7
122.5°	633.7	663.8	689.7	710.3	718.9	727.5	742.2	754.2	760.3	760.3
125°	630.3	660.4	685.4	706.0	714.6	722.4	737.9	749.1	755.1	756.0
127.5°	625.1	654.4	679.3	700.0	708.6	715.5	731.8	742.2	748.2	749.1
130°	618.2	647.5	671.6	691.4	700.0	707.7	721.5	732.7	739.6	741.3
132.5°	610.4	638.0	662.1	681.1	689.7	696.5	710.3	721.5	727.5	730.1
135°	601.0	626.8	650.1	669.0	677.6	684.5	697.4	708.6	714.6	717.2
137.5°	588.9	613.9	636.3	655.2	663.0	669.9	682.8	693.1	698.3	701.7
140°	575.1	598.4	621.6	638.9	646.6	653.5	664.7	675.9	681.1	683.6
142.5°	560.5	583.8	604.4	621.6	628.5	635.4	646.6	656.9	662.1	663.0
145°	545.0	567.4	586.3	602.7	608.7	615.6	625.9	636.3	641.4	642.3
147.5°	527.8	548.5	566.5	582.0	588.9	594.1	603.6	613.0	618.2	619.1
150°	508.0	526.9	543.3	558.8	564.8	570.0	580.3	588.9	594.1	595.0
152.5°	489.0	507.1	520.9	534.7	540.7	545.9	554.5	563.1	568.3	569.1
155°	469.2	485.6	499.4	510.6	515.7	520.9	527.8	535.5	539.8	540.7
157.5°	448.6	464.1	476.1	486.5	491.6	495.9	502.0	508.9	511.4	513.2
160°	426.2	439.1	449.4	459.8	464.1	468.4	474.4	479.6	483.0	483.9
162.5°	402.1	413.3	421.9	431.4	433.9	437.4	443.4	448.6	451.2	452.0
165°	377.1	387.4	395.2	402.9	404.7	407.3	411.6	416.7	418.4	420.2
167.5°	352.1	360.8	365.9	372.8	375.4	377.1	381.4	384.9	386.6	387.4
170°	328.0	334.1	338.4	343.5	344.4	347.0	349.6	353.0	353.9	353.9
172.5°	309.1	311.7	314.3	316.0	316.8	317.7	319.4	320.3	320.3	320.3
175°	297.0	298.8	298.8	299.6	299.6	299.6	299.6	299.6	299.6	299.6
177.5°	290.2	290.2	290.2	289.3	289.3	289.3	289.3	288.4	288.4	288.4
180°	288.4	288.4	288.4	288.4	288.4	288.4	288.4	288.4	288.4	288.4

(END OF REPORT)