

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: P395060

Luminaire Tested: **I3-UL-40L930-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395060
Test Lab: INNOVATION CENTER (G2)
Issue Date: 3/30/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-UL-40L930-1D-UNV-STD-W-4
Description: CORELITE I3, OPEN TOP
4000 LUMENS
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

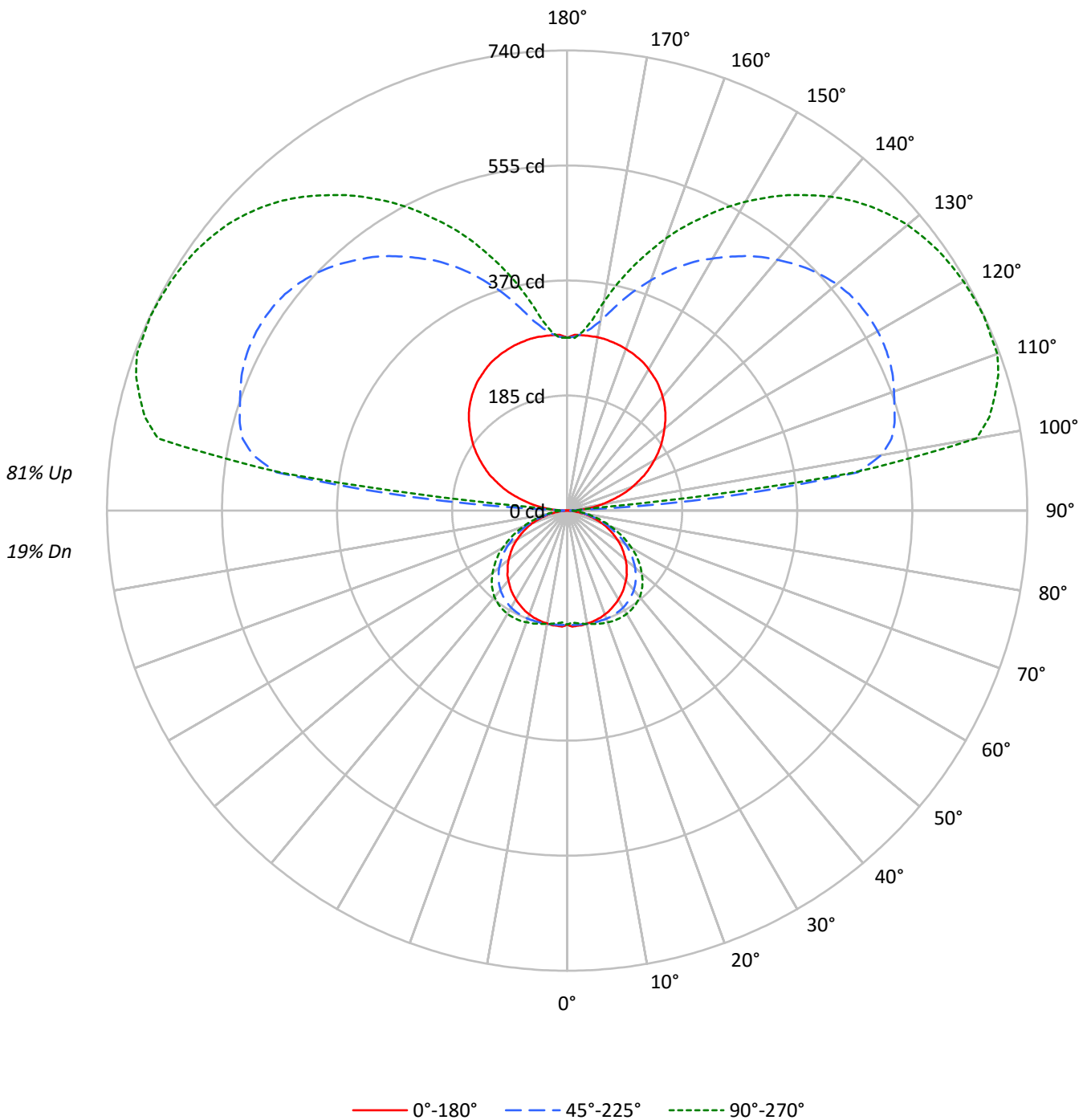
Lumens per Lamp: N/A
Luminaire Lumens: 3367.8 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.54 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 27.9
Input Voltage (V): 120
Input Current (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°	1008	1008	1008
5°	1022	994	975
10°	1021	987	976
15°	1023	983	984
20°	1023	987	996
25°	1022	990	1011
30°	1023	991	1020
35°	1022	986	1025
40°	1018	979	1019
45°	1009	958	997
50°	999	927	960
55°	982	882	905
60°	952	818	833
65°	911	729	742
70°	860	633	627
75°	746	496	503
80°	592	356	364
85°	352	208	240



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.6	0.5
10°-20°	52.3	1.6
20°-30°	84.2	2.5
30°-40°	108.3	3.2
40°-50°	119.0	3.5
50°-60°	111.9	3.3
60°-70°	86.9	2.6
70°-80°	49.9	1.5
80°-90°	16.0	0.5
90°-100°	215.3	6.4
100°-110°	511.6	15.2
110°-120°	513.9	15.3
120°-130°	471.3	14.0
130°-140°	394.1	11.7
140°-150°	295.8	8.8
150°-160°	192.6	5.7
160°-170°	99.2	2.9
170°-180°	28.1	0.8
0°-30°	154.1	4.6
0°-40°	262.4	7.8
0°-60°	493.3	14.6
0°-90°	646.0	19.2
90°-120°	1240.8	36.8
90°-150°	2402.0	71.3
90°-180°	2722.0	80.8
0°-180°	3367.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	183	183	183	183	183	
5°	186	184	184	183	182	18
15°	182	181	185	188	188	51
25°	172	174	183	190	193	79
35°	157	161	174	185	188	98
45°	135	142	156	168	171	105
55°	109	114	127	136	139	97
65°	76	80	88	95	98	76
75°	41	42	46	52	53	43
85°	8	10	13	17	18	10
90°	1	2	5	8	8	2
95°	29	241	247	33	28	29
105°	84	323	545	672	712	89
115°	139	364	572	696	740	136
125°	184	379	575	689	729	164
135°	223	378	550	653	691	172
145°	252	362	500	587	619	158
155°	271	332	434	497	521	125
165°	280	300	352	390	405	79
175°	283	282	286	289	289	27
180°	278	278	278	278	278	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	183.4	183.4	183.4	183.4	183.4	183.4	183.4	183.4	183.4	183.4	183.4
2.5°	186.8	185.9	185.1	185.1	184.3	184.3	184.3	183.4	183.4	183.4	184.3
5°	185.9	185.9	185.1	184.3	184.3	184.3	183.4	183.4	183.4	183.4	184.3
7.5°	185.9	185.1	184.3	184.3	183.4	183.4	183.4	183.4	183.4	183.4	184.3
10°	184.3	184.3	183.4	183.4	182.6	183.4	183.4	183.4	183.4	183.4	185.1
12.5°	183.4	183.4	182.6	181.8	181.8	181.8	182.6	182.6	182.6	183.4	185.1
15°	181.8	181.8	180.9	180.9	180.9	180.9	181.8	181.8	182.6	183.4	185.1
17.5°	180.1	180.1	179.3	179.3	179.3	180.1	180.1	180.9	181.8	183.4	185.1
20°	177.6	177.6	177.6	177.6	177.6	178.4	178.4	179.3	180.9	182.6	185.1
22.5°	175.1	175.1	175.1	175.1	175.1	176.0	176.8	178.4	179.3	181.8	184.3
25°	171.8	171.8	171.8	171.8	172.6	173.5	174.3	176.0	177.6	180.1	183.4
27.5°	168.5	169.3	169.3	169.3	170.2	171.0	171.8	173.5	176.0	179.3	181.8
30°	165.2	165.2	165.2	166.0	166.8	167.7	169.3	171.0	173.5	176.8	180.1
32.5°	161.0	161.0	161.8	161.8	163.5	164.3	166.0	168.5	171.0	174.3	177.6
35°	156.9	156.9	156.9	158.5	159.4	161.0	161.8	164.3	167.7	171.0	174.3
37.5°	151.9	152.7	152.7	153.5	155.2	156.9	157.7	161.0	164.3	167.7	171.0
40°	146.9	147.7	147.7	148.6	151.1	151.9	153.5	156.9	159.4	163.5	166.8
42.5°	141.9	141.9	142.8	143.6	146.1	146.9	148.6	151.9	155.2	158.5	161.8
45°	135.3	136.1	137.0	137.8	140.3	141.9	143.6	146.1	149.4	152.7	156.0
47.5°	129.5	129.5	130.3	132.0	134.5	136.1	137.0	140.3	142.8	146.1	149.4
50°	122.8	123.7	123.7	125.3	127.8	129.5	130.3	133.6	136.1	139.4	142.8
52.5°	115.4	116.2	117.0	118.7	121.2	122.8	123.7	126.2	128.6	132.0	134.5
55°	108.7	109.6	109.6	111.2	113.7	114.5	116.2	117.9	121.2	123.7	127.0
57.5°	101.3	102.1	102.1	103.8	105.4	107.1	107.9	110.4	112.9	115.4	117.9
60°	93.0	93.8	94.6	95.4	97.1	98.8	99.6	101.3	103.8	106.2	108.7
62.5°	84.7	85.5	86.3	87.1	88.8	89.6	90.5	93.0	94.6	97.1	98.8
65°	76.4	77.2	78.0	78.8	79.7	80.5	81.3	83.0	84.7	87.1	88.0
67.5°	68.1	68.9	68.9	69.7	70.6	71.4	72.2	73.9	74.7	77.2	78.0
70°	59.8	59.8	59.8	60.6	60.6	61.4	62.2	63.9	64.7	66.4	68.1
72.5°	49.8	50.6	50.6	50.6	51.5	52.3	53.1	54.0	54.8	55.6	57.3
75°	40.7	41.5	40.7	41.5	42.3	42.3	43.2	44.0	44.8	45.6	46.5
77.5°	32.4	31.5	32.4	32.4	33.2	33.2	33.2	34.0	35.7	35.7	37.4
80°	23.2	23.2	23.2	23.2	24.1	24.1	24.9	24.9	26.6	27.4	28.2
82.5°	14.9	14.9	15.8	15.8	15.8	16.6	16.6	17.4	18.3	19.1	19.9
85°	8.3	8.3	8.3	9.1	9.1	10.0	10.0	10.8	11.6	12.4	13.3
87.5°	2.5	3.3	4.1	4.1	5.0	5.0	5.8	5.8	7.5	8.3	9.1
90°	0.8	0.8	1.7	1.7	1.7	2.5	2.5	3.3	3.3	4.1	5.0
92.5°	14.1	33.2	68.9	102.9	88.8	83.0	49.8	14.9	13.3	14.1	14.1
95°	29.0	54.8	100.4	162.7	210.8	240.7	260.6	298.8	337.8	331.2	247.3
97.5°	42.3	70.6	121.2	178.4	244.8	278.9	304.6	350.3	400.1	441.6	471.4
100°	55.6	84.7	138.6	198.4	259.8	290.5	320.4	382.6	431.6	473.1	512.9
102.5°	69.7	98.8	154.4	216.6	277.2	307.1	336.2	390.9	445.7	495.5	534.5
105°	83.8	113.7	168.5	232.4	293.0	322.9	351.1	403.4	454.0	500.5	545.3
107.5°	98.8	127.0	180.9	244.8	305.4	335.3	363.5	415.8	464.8	511.3	551.9
110°	112.0	139.4	193.4	256.5	317.1	346.9	375.2	427.4	475.6	519.6	559.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	124.5	151.1	205.0	266.4	326.2	356.1	383.5	435.8	483.9	527.0	566.9
115°	138.6	161.8	216.6	275.6	334.5	363.5	390.9	442.4	490.5	532.9	571.9
117.5°	150.2	172.6	226.6	283.0	341.1	369.3	395.9	447.4	494.7	537.0	575.2
120°	161.8	182.6	235.7	289.7	346.1	373.5	400.1	450.7	498.0	539.5	576.8
122.5°	173.5	192.6	243.2	296.3	350.3	377.6	403.4	453.2	499.7	540.3	576.8
125°	184.3	200.9	249.8	301.3	352.8	379.3	404.2	453.2	498.8	538.7	575.2
127.5°	194.2	210.0	254.8	306.3	354.4	380.1	404.2	451.5	497.2	536.2	571.9
130°	204.2	218.3	259.8	308.8	356.1	379.3	402.5	448.2	493.0	532.0	566.1
132.5°	214.1	227.4	263.9	311.2	356.9	379.3	400.9	444.9	488.0	526.2	558.6
135°	223.3	234.1	268.1	312.9	356.1	377.6	397.6	439.1	480.6	517.9	549.5
137.5°	231.6	240.7	271.4	313.7	355.2	375.2	395.1	432.4	471.4	508.0	538.7
140°	239.0	247.3	273.1	313.7	351.9	371.8	390.1	425.8	461.5	496.3	526.2
142.5°	245.7	253.2	275.6	312.1	348.6	367.7	385.1	419.2	451.5	484.7	513.8
145°	252.3	258.1	277.2	311.2	344.4	361.9	378.5	410.8	442.4	472.3	499.7
147.5°	257.3	263.1	278.9	307.9	339.5	355.2	371.0	401.7	430.8	459.0	483.9
150°	262.3	267.3	279.7	304.6	333.7	347.8	361.9	390.9	419.2	444.9	468.1
152.5°	267.3	270.6	282.2	301.3	327.0	340.3	354.4	380.1	405.9	429.9	452.4
155°	270.6	273.1	283.0	298.0	320.4	332.0	343.6	367.7	390.9	413.3	434.1
157.5°	273.9	276.4	283.9	295.5	312.9	323.7	333.7	354.4	376.0	395.9	415.0
160°	276.4	278.0	283.9	293.8	306.3	313.7	322.9	342.0	360.2	377.6	394.2
162.5°	278.9	279.7	283.9	291.3	300.5	305.4	312.1	327.0	343.6	358.6	373.5
165°	280.5	281.4	283.9	289.7	295.5	299.6	303.0	313.7	326.2	339.5	351.9
167.5°	282.2	282.2	283.9	288.0	291.3	293.8	296.3	302.1	310.4	320.4	329.5
170°	283.0	283.0	283.9	286.3	288.8	289.7	291.3	294.6	298.8	303.8	309.6
172.5°	283.0	283.0	283.0	284.7	285.5	285.5	285.5	287.2	289.7	293.0	295.5
175°	283.0	282.2	282.2	283.0	282.2	282.2	282.2	282.2	283.0	284.7	285.5
177.5°	283.0	282.2	281.4	281.4	280.5	280.5	279.7	279.7	279.7	279.7	279.7
180°	278.1	278.1	278.1	278.1	278.1	278.1	278.1	278.1	278.1	278.1	278.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	183.4	183.4	183.4	183.4	183.4	183.4	183.4	183.4	183.4	183.4
2.5°	184.3	184.3	183.4	182.6	182.6	182.6	181.8	180.9	180.1	180.1
5°	184.3	184.3	183.4	183.4	183.4	183.4	182.6	182.6	181.8	181.8
7.5°	185.1	184.3	184.3	184.3	184.3	184.3	184.3	184.3	183.4	183.4
10°	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1
12.5°	185.9	185.9	185.9	185.9	186.8	186.8	186.8	186.8	186.8	186.8
15°	185.9	186.8	187.6	187.6	187.6	188.4	188.4	188.4	188.4	188.4
17.5°	186.8	187.6	188.4	188.4	189.2	189.2	190.1	190.1	190.1	190.1
20°	186.8	187.6	188.4	189.2	190.1	190.1	190.9	191.7	191.7	190.9
22.5°	185.9	187.6	188.4	189.2	190.1	190.9	191.7	192.6	192.6	192.6
25°	185.1	186.8	188.4	190.1	190.1	190.9	192.6	192.6	192.6	192.6
27.5°	184.3	185.9	187.6	189.2	190.1	190.9	191.7	192.6	192.6	192.6
30°	182.6	185.1	186.8	188.4	189.2	190.1	190.9	191.7	191.7	191.7
32.5°	180.1	182.6	184.3	186.8	187.6	188.4	189.2	190.1	190.1	190.1
35°	177.6	180.1	181.8	184.3	185.1	185.9	187.6	187.6	188.4	188.4
37.5°	173.5	176.8	178.4	180.9	181.8	182.6	184.3	185.1	185.1	185.1
40°	169.3	172.6	174.3	176.8	177.6	178.4	180.1	180.9	181.8	181.8
42.5°	164.3	167.7	169.3	171.8	172.6	173.5	175.1	176.0	176.8	176.8
45°	159.4	161.8	163.5	166.0	167.7	167.7	169.3	170.2	171.0	171.0
47.5°	152.7	155.2	156.9	159.4	161.0	161.8	162.7	163.5	164.3	164.3
50°	145.2	147.7	150.2	151.9	153.5	153.5	155.2	156.0	156.9	156.9
52.5°	137.8	139.4	141.9	144.4	145.2	146.1	146.9	147.7	148.6	148.6
55°	129.5	131.1	133.6	135.3	136.1	137.0	137.8	138.6	139.4	139.4
57.5°	120.4	122.0	124.5	126.2	127.0	127.8	128.6	129.5	130.3	130.3
60°	110.4	112.0	114.5	116.2	117.0	117.0	118.7	119.5	119.5	119.5
62.5°	100.4	102.1	103.8	105.4	106.2	107.1	107.9	108.7	108.7	108.7
65°	90.5	92.1	93.8	94.6	95.4	95.4	96.3	97.1	97.9	97.9
67.5°	79.7	81.3	83.0	83.8	84.7	84.7	85.5	86.3	86.3	86.3
70°	68.9	69.7	71.4	72.2	73.0	73.0	74.7	74.7	74.7	74.7
72.5°	58.1	58.9	60.6	61.4	62.2	62.2	63.1	63.9	63.9	63.9
75°	48.1	49.0	49.8	51.5	51.5	51.5	52.3	53.1	53.1	53.1
77.5°	38.2	39.0	39.8	40.7	41.5	41.5	42.3	43.2	43.2	43.2
80°	29.0	29.9	30.7	31.5	31.5	32.4	32.4	33.2	33.2	33.2
82.5°	20.8	21.6	22.4	23.2	24.1	24.1	24.9	25.7	25.7	24.9
85°	14.1	15.8	16.6	17.4	17.4	17.4	18.3	19.1	19.1	18.3
87.5°	10.0	10.0	10.8	11.6	11.6	12.4	12.4	13.3	13.3	13.3
90°	5.8	5.8	6.6	6.6	7.5	7.5	7.5	8.3	8.3	8.3
92.5°	14.1	14.1	14.9	14.9	14.9	14.9	15.8	15.8	15.8	15.8
95°	151.1	68.1	57.3	34.9	33.2	29.0	28.2	29.0	29.0	28.2
97.5°	507.1	542.8	565.2	576.0	562.7	548.6	532.9	530.4	508.8	460.6
100°	547.0	575.2	602.6	621.7	629.1	635.8	650.7	659.8	664.0	668.2
102.5°	566.9	596.8	620.8	644.9	654.9	664.0	677.3	688.1	692.2	695.5
105°	584.3	615.0	641.6	663.2	672.3	680.6	693.9	703.8	711.3	712.1
107.5°	588.5	620.8	650.7	677.3	688.1	697.2	713.0	720.4	727.1	727.1
110°	595.9	626.6	654.0	678.1	688.9	699.7	716.3	727.9	734.6	736.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	601.8	633.3	659.0	683.1	692.2	702.2	717.9	728.7	734.6	737.0
115°	606.7	637.4	663.2	685.6	695.5	705.5	721.3	730.4	737.0	739.5
117.5°	610.0	639.9	665.7	686.4	697.2	705.5	720.4	730.4	737.0	737.9
120°	610.9	640.8	665.7	686.4	695.5	704.7	719.6	729.6	736.2	736.2
122.5°	610.9	639.9	664.8	684.8	693.0	701.4	715.5	727.1	732.9	732.9
125°	607.6	636.6	660.7	680.6	688.9	696.4	711.3	722.1	727.9	728.7
127.5°	602.6	630.8	654.9	674.8	683.1	689.7	705.5	715.5	721.3	722.1
130°	595.9	624.2	647.4	666.5	674.8	682.3	695.5	706.3	713.0	714.6
132.5°	588.5	615.0	638.3	656.5	664.8	671.5	684.8	695.5	701.4	703.8
135°	579.3	604.2	626.6	644.9	653.2	659.8	672.3	683.1	688.9	691.4
137.5°	567.7	591.8	613.4	631.6	639.1	645.7	658.2	668.2	673.1	676.4
140°	554.4	576.8	599.3	615.9	623.3	630.0	640.8	651.6	656.5	659.0
142.5°	540.3	562.7	582.7	599.3	605.9	612.5	623.3	633.3	638.3	639.1
145°	525.4	547.0	565.2	581.0	586.8	593.4	603.4	613.4	618.4	619.2
147.5°	508.8	528.7	546.1	561.1	567.7	572.7	581.8	591.0	595.9	596.8
150°	489.7	508.0	523.7	538.7	544.5	549.5	559.4	567.7	572.7	573.5
152.5°	471.4	488.9	502.2	515.4	521.2	526.2	534.5	542.8	547.8	548.6
155°	452.4	468.1	481.4	492.2	497.2	502.2	508.8	516.3	520.4	521.2
157.5°	432.4	447.4	459.0	469.0	473.9	478.1	483.9	490.5	493.0	494.7
160°	410.8	423.3	433.3	443.2	447.4	451.5	457.3	462.3	465.6	466.5
162.5°	387.6	398.4	406.7	415.8	418.3	421.6	427.4	432.4	434.9	435.8
165°	363.5	373.5	381.0	388.4	390.1	392.6	396.7	401.7	403.4	405.0
167.5°	339.5	347.8	352.8	359.4	361.9	363.5	367.7	371.0	372.7	373.5
170°	316.2	322.0	326.2	331.2	332.0	334.5	337.0	340.3	341.1	341.1
172.5°	298.0	300.5	303.0	304.6	305.4	306.3	307.9	308.8	308.8	308.8
175°	286.3	288.0	288.0	288.8	288.8	288.8	288.8	288.8	288.8	288.8
177.5°	279.7	279.7	279.7	278.9	278.9	278.9	278.9	278.0	278.0	278.0
180°	278.1	278.1	278.1	278.1	278.1	278.1	278.1	278.1	278.1	278.1

(END OF REPORT)