

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: P395036

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

Issue Date: 3/30/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395036  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/30/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: I3-FL-20L930-1D-UNV-STD-W-4  
Description: CORELITE I3, FROSTED TOP COVER  
2000 LUMENS  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

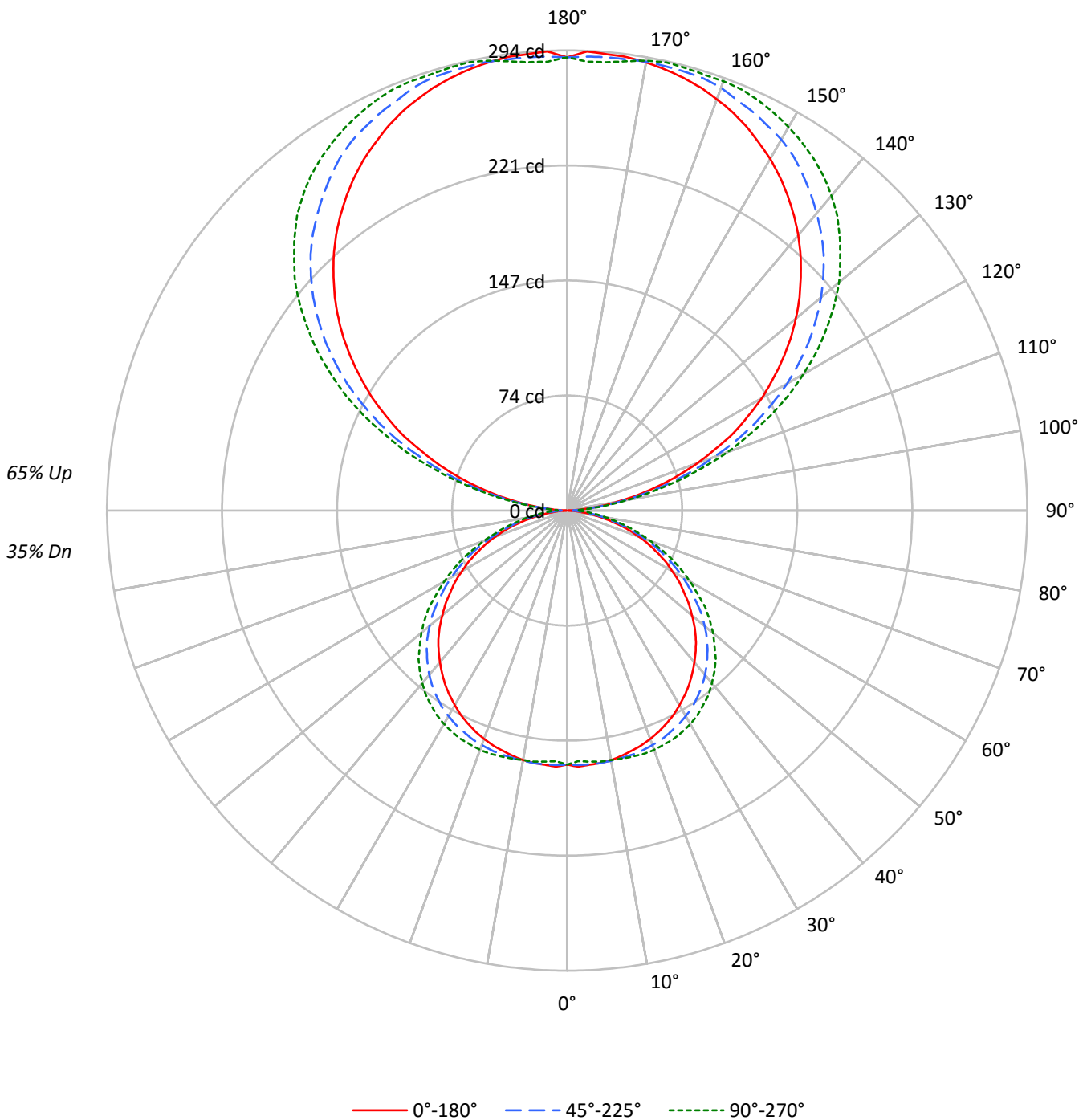
Lumens per Lamp: N/A  
Luminaire Lumens: 1491.1 lumens  
Efficiency: N/A  
Efficacy: 116.5 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.43 / 1.49  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')  
CIE Type: Semi-Indirect

Input Watts (W): 12.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35
1	94	90	86	83	85	81	78	75	66	63	61	51	49	48	37	36	36	29
2	86	78	72	67	77	71	66	61	57	53	50	44	42	40	33	31	30	24
3	78	69	61	55	70	62	56	51	50	46	42	39	36	33	29	27	25	20
4	71	60	53	47	64	55	48	43	44	39	35	35	31	28	25	23	21	17
5	65	54	46	40	59	49	42	36	39	34	30	31	27	24	23	20	18	15
6	60	48	40	34	54	44	37	31	35	30	26	28	24	21	21	18	16	13
7	55	43	35	30	50	39	32	27	32	27	23	25	21	18	19	16	14	11
8	51	39	31	26	46	35	29	24	29	24	20	23	19	16	17	14	13	10
9	47	35	28	23	43	32	26	21	26	21	18	21	17	15	16	13	11	9
10	44	32	25	20	40	30	23	19	24	19	16	19	16	13	14	12	10	8

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	892	892	892
5°	896	877	863
10°	896	865	853
15°	894	857	850
20°	895	850	849
25°	893	842	845
30°	889	834	838
35°	885	821	825
40°	876	804	807
45°	867	779	782
50°	847	745	744
55°	823	697	699
60°	796	643	631
65°	756	577	561
70°	702	491	474
75°	612	390	377
80°	477	278	276
85°	259	158	182



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.5	1.0
10°-20°	45.5	3.1
20°-30°	71.7	4.8
30°-40°	90.2	6.0
40°-50°	97.0	6.5
50°-60°	89.2	6.0
60°-70°	68.3	4.6
70°-80°	38.9	2.6
80°-90°	12.2	0.8
90°-100°	16.3	1.1
100°-110°	70.7	4.7
110°-120°	129.4	8.7
120°-130°	166.8	11.2
130°-140°	177.4	11.9
140°-150°	163.3	10.9
150°-160°	129.3	8.7
160°-170°	81.9	5.5
170°-180°	27.7	1.9
0°-30°	132.7	8.9
0°-40°	222.9	14.9
0°-60°	409.0	27.4
0°-90°	528.4	35.4
90°-120°	216.3	14.5
90°-150°	723.7	48.5
90°-180°	963.0	64.6
0°-180°	1491.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	162	162	162	162	162	
5°	163	161	163	162	161	16
15°	159	158	161	163	163	45
25°	150	150	156	160	161	69
35°	136	137	145	150	152	85
45°	116	119	127	132	134	90
55°	91	95	100	106	108	82
65°	63	66	70	73	74	63
75°	33	34	37	39	40	35
85°	6	8	10	13	14	8
90°	0	1	4	5	6	1
95°	11	10	12	13	14	14
105°	60	63	68	72	73	64
115°	118	123	133	139	143	115
125°	168	175	189	198	202	150
135°	211	218	232	242	246	163
145°	246	251	262	270	274	154
155°	271	274	281	287	289	125
165°	286	286	290	292	293	81
175°	293	291	291	290	288	28
180°	290	290	290	290	290	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	162.3	162.3	162.3	162.3	162.3	162.3	162.3	162.3	162.3	162.3	162.3
2.5°	163.8	163.4	163.0	162.3	162.3	161.8	161.8	161.8	161.8	162.3	162.7
5°	163.0	163.0	162.7	161.8	161.8	161.4	161.4	161.8	161.4	161.8	162.7
7.5°	162.7	162.7	162.3	161.4	161.4	161.4	161.4	161.4	161.4	161.8	162.7
10°	161.8	161.8	161.0	160.6	160.6	160.6	160.6	161.0	161.0	161.4	162.3
12.5°	160.6	160.2	159.8	159.4	159.4	159.4	159.8	160.2	160.2	161.0	161.8
15°	158.9	158.9	158.6	158.2	158.2	158.2	158.6	158.9	159.4	160.2	161.4
17.5°	157.4	157.4	157.0	157.0	157.0	157.0	157.4	157.8	158.6	159.4	160.6
20°	155.3	155.3	155.0	155.0	155.0	155.3	155.3	156.1	157.0	158.2	159.4
22.5°	152.9	152.9	152.9	152.5	152.9	153.3	153.7	154.5	155.3	156.5	158.2
25°	150.1	150.1	150.1	150.1	150.5	150.5	151.2	152.1	152.9	154.5	156.1
27.5°	147.2	147.2	147.2	146.8	147.6	148.0	148.4	149.6	150.5	152.5	154.1
30°	143.5	143.5	143.5	143.9	144.3	144.8	145.6	146.8	147.6	149.6	151.6
32.5°	139.9	139.9	139.9	139.9	141.1	141.5	141.9	143.1	144.8	146.8	148.8
35°	135.8	135.8	135.8	136.2	137.0	137.4	138.3	139.4	141.1	143.1	145.2
37.5°	131.3	131.7	131.7	132.1	133.0	133.8	134.6	135.8	137.4	139.4	141.5
40°	126.5	126.8	126.8	127.2	128.1	128.9	129.7	131.3	133.0	135.0	137.0
42.5°	121.6	122.0	122.0	122.8	123.6	124.4	125.2	126.8	128.5	130.6	132.1
45°	116.3	116.7	116.7	117.5	118.8	119.1	120.4	122.0	123.6	125.2	126.8
47.5°	110.6	111.0	111.0	111.8	113.0	113.9	114.7	116.3	117.5	119.5	121.2
50°	104.1	104.5	104.9	105.7	107.3	108.1	109.0	110.2	111.8	113.0	114.7
52.5°	98.0	98.0	98.4	99.2	100.4	101.3	101.7	102.8	104.9	106.6	108.1
55°	91.1	91.5	91.9	92.7	94.0	94.7	95.1	96.4	97.6	98.8	100.4
57.5°	85.0	85.0	85.4	86.2	87.4	87.8	88.2	89.1	90.6	91.9	93.1
60°	77.7	78.1	78.5	79.3	80.1	80.9	80.9	82.2	83.3	84.6	85.4
62.5°	71.1	71.1	71.5	72.4	72.8	73.6	73.6	74.8	75.6	76.9	77.7
65°	63.4	63.8	64.2	64.7	65.5	65.5	65.9	66.6	67.5	68.3	69.6
67.5°	56.5	56.5	56.9	57.4	57.8	57.8	58.2	58.9	59.8	60.6	61.4
70°	48.8	49.2	49.2	49.2	49.6	50.0	50.4	50.8	51.6	52.0	52.9
72.5°	41.1	41.1	41.5	41.5	41.9	42.2	42.7	43.1	43.5	44.3	44.7
75°	33.4	33.4	33.8	33.8	34.2	34.2	34.2	34.9	35.4	36.2	36.6
77.5°	25.6	26.1	26.1	26.1	26.4	26.8	26.8	27.2	28.1	28.5	28.9
80°	18.7	18.7	18.7	18.7	19.1	19.5	19.9	19.9	20.8	21.6	22.0
82.5°	11.8	11.8	12.2	12.6	12.6	13.0	13.4	13.9	14.6	15.0	15.4
85°	6.1	6.1	6.5	6.9	7.3	7.7	7.7	8.1	9.0	9.8	10.1
87.5°	2.0	2.4	2.4	2.8	3.2	3.7	4.1	4.5	5.3	6.1	6.5
90°	0.4	0.4	0.4	0.8	1.2	1.2	1.7	2.0	2.4	2.8	3.7
92.5°	3.7	3.7	3.2	3.7	3.7	3.7	3.7	4.1	4.5	4.5	5.3
95°	11.0	10.5	10.5	10.5	10.5	10.5	10.5	11.0	11.4	11.4	11.8
97.5°	21.2	21.2	20.8	20.8	21.2	21.2	21.2	21.6	22.3	22.0	22.7
100°	33.0	33.0	32.5	33.0	33.4	33.8	34.5	34.5	35.4	35.4	36.6
102.5°	46.3	46.3	46.0	46.7	47.1	48.0	48.0	48.8	50.0	50.0	51.6
105°	59.8	60.2	60.2	61.0	61.8	62.6	62.6	63.8	65.5	65.5	67.5
107.5°	74.5	74.8	74.8	75.6	76.4	77.3	77.7	79.3	80.9	81.3	83.7
110°	88.6	89.1	89.5	90.3	91.1	92.3	93.1	94.7	96.8	97.6	99.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	102.1	103.7	104.1	105.3	106.6	107.7	108.6	110.6	113.0	114.3	116.7
115°	117.5	118.4	118.8	119.9	121.6	122.8	123.6	125.7	128.1	129.7	132.6
117.5°	130.1	132.1	132.6	133.8	135.4	136.6	137.4	139.9	142.8	144.8	147.6
120°	143.5	145.2	146.8	147.6	148.8	150.5	151.2	153.7	157.0	158.9	162.3
122.5°	155.7	157.4	158.9	160.2	161.8	162.7	163.8	166.7	170.0	172.4	175.6
125°	167.9	170.0	171.1	172.4	174.5	175.2	176.5	179.3	182.6	185.4	188.7
127.5°	179.7	180.9	183.0	183.8	185.8	186.7	187.8	191.1	194.4	197.2	200.4
130°	190.7	192.3	194.0	194.4	196.8	198.0	199.2	202.1	205.8	208.6	211.8
132.5°	201.3	202.1	204.1	205.3	207.3	208.6	209.8	212.2	215.9	218.8	222.0
135°	211.1	211.8	214.3	215.5	216.7	218.0	219.5	222.0	225.7	228.5	231.7
137.5°	220.8	221.6	224.0	225.3	226.1	227.3	228.5	231.0	234.6	237.5	240.3
140°	229.7	230.6	232.2	233.8	234.6	235.5	236.6	239.1	242.4	245.2	248.0
142.5°	237.9	238.7	240.3	241.9	243.2	243.2	244.4	246.4	250.1	252.9	255.4
145°	245.6	246.0	247.6	249.2	250.9	250.9	251.3	253.3	256.6	259.8	262.3
147.5°	252.9	253.3	254.6	256.1	257.4	257.8	258.6	259.5	262.7	265.9	268.8
150°	259.5	259.8	260.6	262.3	263.1	263.9	264.7	265.1	267.6	270.4	273.7
152.5°	265.1	265.5	266.3	267.6	268.3	269.2	270.0	271.2	272.4	275.3	277.3
155°	270.8	271.2	271.7	272.8	273.7	274.1	274.5	276.1	277.3	279.0	281.0
157.5°	275.7	275.7	276.1	276.9	277.7	277.7	278.1	279.7	281.0	282.6	283.8
160°	279.7	279.7	280.1	281.0	281.0	281.4	281.8	283.0	283.8	285.9	287.5
162.5°	283.4	283.0	283.4	283.8	283.8	283.8	284.2	285.0	286.3	287.8	289.5
165°	286.3	286.3	286.3	286.7	286.7	286.3	286.3	287.1	287.8	289.1	290.3
167.5°	288.7	288.7	288.3	288.7	288.3	288.3	287.8	288.3	288.7	289.9	290.7
170°	290.7	290.3	290.3	290.3	289.9	289.5	289.5	289.5	289.5	290.3	291.2
172.5°	292.3	291.9	291.6	291.6	290.7	290.3	290.3	289.9	289.9	290.3	290.7
175°	292.7	292.3	291.9	291.9	291.2	290.7	290.3	290.3	289.9	290.3	290.7
177.5°	293.6	293.2	292.3	292.3	291.6	290.7	290.7	290.3	289.9	290.3	290.3
180°	289.5	289.5	289.5	289.5	289.5	289.5	289.5	289.5	289.5	289.5	289.5



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	162.3	162.3	162.3	162.3	162.3	162.3	162.3	162.3	162.3	162.3
2.5°	163.0	163.0	162.7	162.3	162.3	161.8	161.4	161.0	160.6	160.2
5°	163.0	162.7	162.3	162.3	161.8	161.8	161.8	161.4	161.0	161.0
7.5°	163.0	163.0	162.7	162.3	162.3	162.3	162.3	162.3	161.8	161.8
10°	163.0	162.7	162.7	162.7	162.3	162.7	162.7	162.3	162.3	161.8
12.5°	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.3
15°	161.8	162.3	162.3	162.7	162.7	162.7	163.0	163.0	162.7	162.7
17.5°	161.4	161.8	162.3	162.7	162.7	162.7	163.0	163.0	163.0	163.0
20°	160.6	161.0	161.4	161.8	161.8	162.3	162.3	162.7	162.7	162.7
22.5°	158.9	159.4	160.2	160.6	161.0	161.4	161.8	161.8	161.8	161.8
25°	157.4	158.2	158.6	159.4	159.8	160.2	160.6	160.6	160.6	161.0
27.5°	155.3	156.1	157.4	157.8	158.2	158.6	158.9	159.4	159.4	159.4
30°	152.9	154.1	155.0	155.7	156.1	156.5	157.0	157.0	157.4	157.4
32.5°	150.1	151.2	152.1	152.9	153.3	153.7	154.5	154.5	155.0	155.0
35°	146.4	147.6	148.8	149.6	150.1	150.5	151.2	151.6	151.6	151.6
37.5°	142.8	143.9	145.2	146.4	146.8	147.2	148.0	148.0	148.4	148.4
40°	138.3	139.4	140.7	141.9	141.9	142.8	143.1	143.5	143.9	143.9
42.5°	133.8	135.0	135.8	137.0	137.4	137.9	138.3	139.0	139.0	139.4
45°	128.5	129.7	130.6	131.7	132.1	132.6	133.4	133.8	134.2	134.2
47.5°	122.8	123.6	124.4	125.7	126.5	126.8	127.2	127.7	128.1	127.7
50°	116.3	117.1	118.4	119.5	119.9	120.4	121.2	121.2	121.6	121.6
52.5°	109.4	110.6	111.4	112.6	113.0	113.5	114.3	114.3	114.7	114.7
55°	101.7	102.5	103.3	105.3	105.7	106.2	106.9	106.9	107.3	107.7
57.5°	94.4	94.7	95.9	96.8	97.6	97.6	98.0	98.4	98.8	98.8
60°	86.6	87.0	87.8	89.1	89.1	89.5	90.3	90.3	90.6	90.6
62.5°	78.5	79.3	80.1	81.3	80.9	81.3	82.2	82.2	82.5	82.5
65°	70.4	70.7	71.5	72.4	72.8	72.8	73.2	73.6	74.0	74.0
67.5°	61.8	62.6	63.0	64.2	63.8	64.2	64.7	64.7	65.1	65.1
70°	53.7	54.1	54.9	55.3	55.3	55.7	56.1	56.1	56.1	56.5
72.5°	45.6	46.0	46.3	46.7	46.7	47.1	47.6	47.6	48.0	48.0
75°	37.0	37.8	38.3	39.0	38.6	39.0	39.8	39.8	39.8	39.8
77.5°	29.7	30.1	30.9	31.3	31.3	31.3	32.1	31.7	32.1	32.1
80°	22.3	22.7	23.6	24.0	24.0	24.4	24.8	24.8	24.8	25.2
82.5°	15.9	16.7	17.5	17.9	17.9	18.3	18.7	18.7	19.1	19.1
85°	11.0	11.8	12.6	12.6	13.0	13.4	13.9	13.9	13.9	13.9
87.5°	7.3	7.7	8.1	8.5	9.0	9.0	9.4	9.4	9.8	9.8
90°	4.1	4.5	4.9	5.3	5.3	5.7	5.7	6.1	6.1	6.1
92.5°	5.7	5.7	6.1	6.5	6.5	6.5	6.5	6.9	6.9	6.9
95°	12.2	12.6	12.6	13.4	13.4	13.4	13.9	13.9	13.9	13.9
97.5°	23.6	23.6	23.6	24.4	24.4	24.4	24.8	24.8	24.8	25.2
100°	37.0	37.4	37.4	38.6	38.3	39.0	39.0	39.0	39.0	39.4
102.5°	52.0	52.9	53.3	54.4	54.4	54.4	55.3	54.9	55.3	55.3
105°	68.3	69.1	69.6	70.7	71.5	71.5	72.4	72.0	72.4	72.8
107.5°	84.6	85.8	86.6	87.8	88.6	89.1	89.1	89.5	89.9	90.3
110°	101.3	102.5	104.5	105.7	106.2	106.9	107.3	107.7	108.1	109.0





TEST NUMBER: P395036

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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	118.8	119.9	121.6	123.2	122.8	124.0	124.8	125.2	125.7	125.2
115°	134.6	136.2	137.9	139.4	139.4	140.3	141.9	142.3	142.3	143.1
117.5°	149.6	151.6	153.3	155.0	155.3	156.1	157.4	158.6	158.6	159.4
120°	164.3	166.7	168.3	170.0	170.8	171.1	172.4	174.1	174.1	174.1
122.5°	178.1	180.1	182.2	183.8	184.6	185.4	186.3	188.2	188.2	189.1
125°	191.1	193.6	195.5	197.2	198.0	198.9	200.4	201.7	202.1	202.1
127.5°	203.3	205.8	207.7	209.8	210.2	211.1	212.6	214.3	214.7	215.1
130°	214.7	217.1	219.2	221.2	222.0	222.4	224.4	225.7	226.5	226.9
132.5°	224.8	227.3	229.3	231.4	232.2	233.0	234.2	236.2	236.6	236.6
135°	234.2	236.6	238.7	241.1	241.5	242.4	243.9	245.2	246.0	246.4
137.5°	242.8	245.2	247.6	249.7	250.5	250.9	252.5	254.1	255.0	255.4
140°	250.5	252.9	255.4	257.0	257.4	258.6	259.8	261.4	262.3	262.7
142.5°	257.8	259.8	261.9	263.9	264.3	265.1	266.3	267.9	268.8	269.2
145°	264.3	266.3	267.9	269.6	270.0	270.8	272.0	273.2	274.1	274.5
147.5°	270.4	272.0	273.7	274.9	275.3	276.1	276.9	277.7	278.5	279.0
150°	275.7	276.5	278.1	279.0	279.4	280.1	281.0	281.8	282.6	283.0
152.5°	279.7	281.0	281.8	283.0	283.4	283.8	284.6	285.4	286.3	286.3
155°	283.0	284.2	285.0	286.3	286.7	287.1	287.8	288.3	289.1	289.1
157.5°	285.4	286.7	287.5	288.3	288.7	289.1	289.5	290.3	291.2	291.2
160°	288.3	288.7	289.1	289.9	289.9	290.3	290.7	291.2	291.9	291.9
162.5°	290.7	291.2	290.3	290.7	290.3	290.7	291.2	291.6	291.9	291.9
165°	291.6	292.3	291.9	292.3	292.3	292.3	292.3	292.7	292.7	292.7
167.5°	291.6	292.3	291.9	291.9	292.3	292.3	292.7	293.2	293.2	293.2
170°	291.6	291.9	291.6	291.2	291.6	291.6	291.6	291.9	291.9	291.9
172.5°	291.2	291.6	290.7	290.3	290.3	290.3	289.9	289.9	289.5	289.5
175°	290.7	290.7	289.9	289.5	289.5	289.5	288.7	288.3	287.8	287.5
177.5°	290.3	290.3	289.1	288.7	288.7	288.3	288.3	287.5	287.5	287.1
180°	289.5	289.5	289.5	289.5	289.5	289.5	289.5	289.5	289.5	289.5

(END OF REPORT)