

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: P395042

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

Issue Date: 3/30/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395042  
Test Lab: INNOVATION CENTER (G2)  
Issue Date: 3/30/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: I3-FL-40L930-1D-UNV-STD-W-4  
Description: CORELITE I3, FROSTED TOP COVER  
4000 LUMENS  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3043.7 lumens  
Efficiency: N/A  
Efficacy: 108.7 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

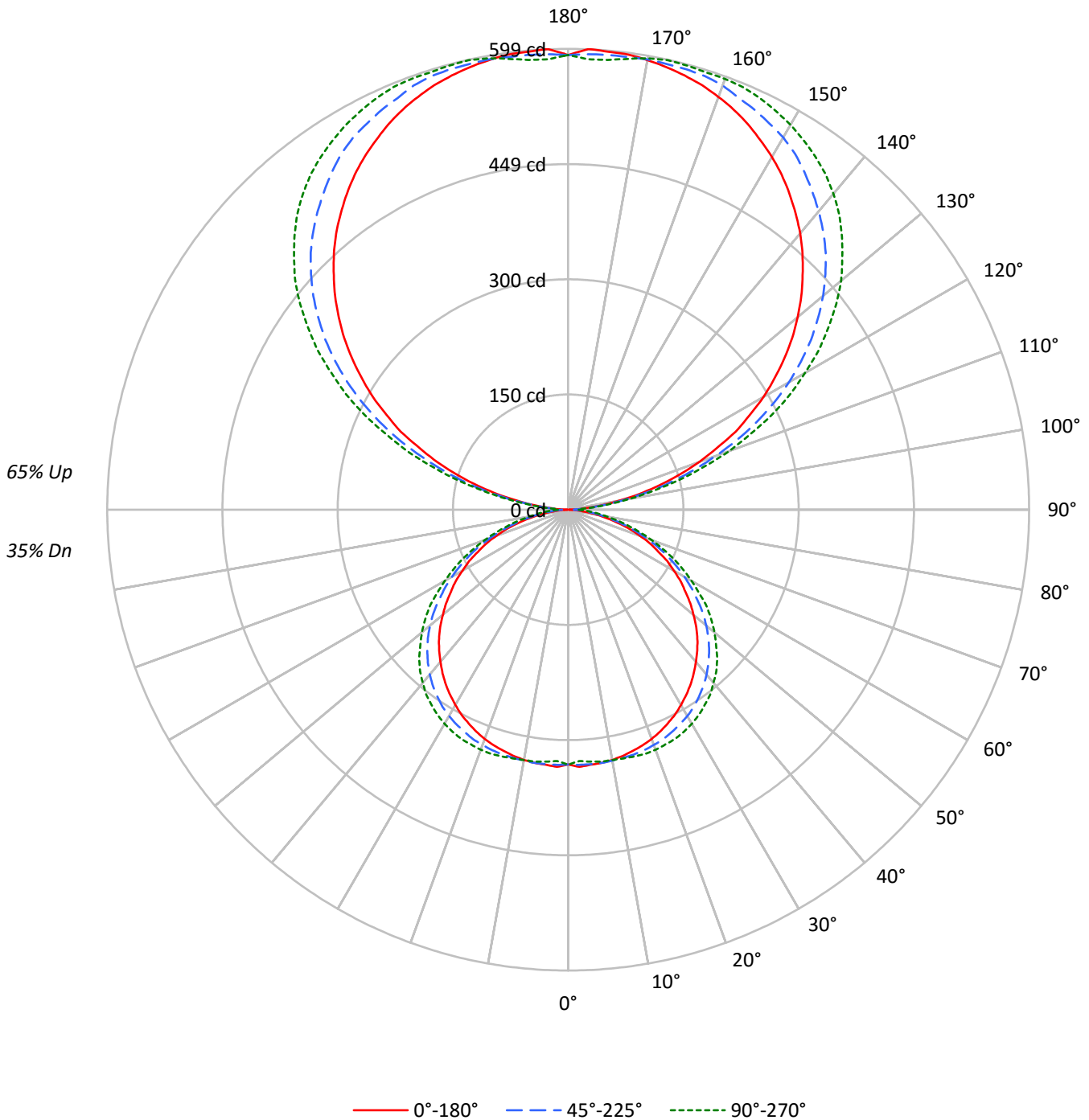
Input Watts (W): 28  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1820	1820	1820
5°	1829	1790	1762
10°	1830	1766	1741
15°	1826	1750	1734
20°	1826	1735	1732
25°	1821	1720	1725
30°	1815	1704	1710
35°	1806	1676	1684
40°	1788	1641	1647
45°	1770	1591	1597
50°	1729	1520	1519
55°	1679	1424	1428
60°	1623	1312	1290
65°	1543	1175	1146
70°	1433	1002	968
75°	1248	796	769
80°	974	566	564
85°	526	325	370



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.6	1.0
10°-20°	92.9	3.1
20°-30°	146.5	4.8
30°-40°	184.1	6.0
40°-50°	197.9	6.5
50°-60°	182.1	6.0
60°-70°	139.5	4.6
70°-80°	79.4	2.6
80°-90°	24.8	0.8
90°-100°	33.2	1.1
100°-110°	144.2	4.7
110°-120°	264.1	8.7
120°-130°	340.4	11.2
130°-140°	362.2	11.9
140°-150°	333.2	10.9
150°-160°	264.0	8.7
160°-170°	167.2	5.5
170°-180°	56.6	1.9
0°-30°	270.9	8.9
0°-40°	455.0	14.9
0°-60°	834.9	27.4
0°-90°	1078.6	35.4
90°-120°	441.5	14.5
90°-150°	1477.3	48.5
90°-180°	1965.0	64.6
0°-180°	3043.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	331	331	331	331	331	
5°	333	330	332	330	329	32
15°	324	323	330	332	332	92
25°	306	307	319	326	329	141
35°	277	280	296	306	310	173
45°	237	243	259	270	274	183
55°	186	193	205	216	220	167
65°	130	134	142	149	151	128
75°	68	70	75	79	81	72
85°	12	16	21	27	28	16
90°	1	2	8	11	12	2
95°	22	22	24	27	28	28
105°	122	128	138	146	149	130
115°	240	251	271	285	292	235
125°	343	358	385	404	412	306
135°	431	445	473	493	503	332
145°	501	512	535	551	560	314
155°	553	559	574	585	590	255
165°	584	584	593	597	598	165
175°	598	593	593	591	587	57
180°	591	591	591	591	591	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2
2.5°	334.5	333.7	332.8	331.2	331.2	330.3	330.3	330.3	330.3	331.2	332.0
5°	332.8	332.8	332.0	330.3	330.3	329.5	329.5	330.3	329.5	330.3	332.0
7.5°	332.0	332.0	331.2	329.5	329.5	329.5	329.5	329.5	329.5	330.3	332.0
10°	330.3	330.3	328.7	327.8	327.8	327.8	327.8	328.7	328.7	329.5	331.2
12.5°	327.8	327.0	326.2	325.4	325.4	325.4	326.2	327.0	327.0	328.7	330.3
15°	324.5	324.5	323.7	322.9	322.9	322.9	323.7	324.5	325.4	327.0	329.5
17.5°	321.2	321.2	320.4	320.4	320.4	320.4	321.2	322.0	323.7	325.4	327.8
20°	317.1	317.1	316.2	316.2	316.2	317.1	317.1	318.7	320.4	322.9	325.4
22.5°	312.1	312.1	312.1	311.2	312.1	312.9	313.7	315.4	317.1	319.6	322.9
25°	306.3	306.3	306.3	306.3	307.1	307.1	308.8	310.4	312.1	315.4	318.7
27.5°	300.5	300.5	300.5	299.6	301.3	302.1	303.0	305.4	307.1	311.2	314.6
30°	293.0	293.0	293.0	293.8	294.6	295.5	297.1	299.6	301.3	305.4	309.6
32.5°	285.5	285.5	285.5	285.5	288.0	288.8	289.7	292.2	295.5	299.6	303.8
35°	277.2	277.2	277.2	278.0	279.7	280.5	282.2	284.7	288.0	292.2	296.3
37.5°	268.1	268.9	268.9	269.8	271.4	273.1	274.7	277.2	280.5	284.7	288.8
40°	258.1	259.0	259.0	259.8	261.4	263.1	264.8	268.1	271.4	275.6	279.7
42.5°	248.2	249.0	249.0	250.7	252.3	254.0	255.6	259.0	262.3	266.4	269.8
45°	237.4	238.2	238.2	239.9	242.4	243.2	245.7	249.0	252.3	255.6	259.0
47.5°	225.8	226.6	226.6	228.2	230.7	232.4	234.1	237.4	239.9	244.0	247.3
50°	212.5	213.3	214.1	215.8	219.1	220.8	222.4	224.9	228.2	230.7	234.1
52.5°	200.0	200.0	200.9	202.5	205.0	206.7	207.5	210.0	214.1	217.5	220.8
55°	185.9	186.8	187.6	189.2	191.7	193.4	194.2	196.7	199.2	201.7	205.0
57.5°	173.5	173.5	174.3	176.0	178.4	179.3	180.1	181.8	185.1	187.6	190.1
60°	158.5	159.4	160.2	161.8	163.5	165.2	165.2	167.7	170.2	172.6	174.3
62.5°	145.2	145.2	146.1	147.7	148.6	150.2	150.2	152.7	154.4	156.9	158.5
65°	129.5	130.3	131.1	132.0	133.6	133.6	134.5	136.1	137.8	139.4	141.9
67.5°	115.4	115.4	116.2	117.0	117.9	117.9	118.7	120.4	122.0	123.7	125.3
70°	99.6	100.4	100.4	100.4	101.3	102.1	102.9	103.8	105.4	106.2	107.9
72.5°	83.8	83.8	84.7	84.7	85.5	86.3	87.1	88.0	88.8	90.5	91.3
75°	68.1	68.1	68.9	68.9	69.7	69.7	69.7	71.4	72.2	73.9	74.7
77.5°	52.3	53.1	53.1	53.1	54.0	54.8	54.8	55.6	57.3	58.1	58.9
80°	38.2	38.2	38.2	38.2	39.0	39.8	40.7	40.7	42.3	44.0	44.8
82.5°	24.1	24.1	24.9	25.7	25.7	26.6	27.4	28.2	29.9	30.7	31.5
85°	12.4	12.4	13.3	14.1	14.9	15.8	15.8	16.6	18.3	19.9	20.8
87.5°	4.1	5.0	5.0	5.8	6.6	7.5	8.3	9.1	10.8	12.4	13.3
90°	0.8	0.8	0.8	1.7	2.5	2.5	3.3	4.1	5.0	5.8	7.5
92.5°	7.5	7.5	6.6	7.5	7.5	7.5	7.5	8.3	9.1	9.1	10.8
95°	22.4	21.6	21.6	21.6	21.6	21.6	21.6	22.4	23.2	23.2	24.1
97.5°	43.2	43.2	42.3	42.3	43.2	43.2	43.2	44.0	45.6	44.8	46.5
100°	67.2	67.2	66.4	67.2	68.1	68.9	70.6	70.6	72.2	72.2	74.7
102.5°	94.6	94.6	93.8	95.4	96.3	97.9	97.9	99.6	102.1	102.1	105.4
105°	122.0	122.8	122.8	124.5	126.2	127.8	127.8	130.3	133.6	133.6	137.8
107.5°	151.9	152.7	152.7	154.4	156.0	157.7	158.5	161.8	165.2	166.0	171.0
110°	180.9	181.8	182.6	184.3	185.9	188.4	190.1	193.4	197.5	199.2	203.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	208.3	211.6	212.5	215.0	217.5	220.0	221.6	225.8	230.7	233.2	238.2
115°	239.9	241.5	242.4	244.8	248.2	250.7	252.3	256.5	261.4	264.8	270.6
117.5°	265.6	269.8	270.6	273.1	276.4	278.9	280.5	285.5	291.3	295.5	301.3
120°	293.0	296.3	299.6	301.3	303.8	307.1	308.8	313.7	320.4	324.5	331.2
122.5°	317.9	321.2	324.5	327.0	330.3	332.0	334.5	340.3	346.9	351.9	358.6
125°	342.8	346.9	349.4	351.9	356.1	357.7	360.2	366.0	372.7	378.5	385.1
127.5°	366.9	369.3	373.5	375.2	379.3	381.0	383.5	390.1	396.7	402.5	409.2
130°	389.3	392.6	395.9	396.7	401.7	404.2	406.7	412.5	420.0	425.8	432.4
132.5°	410.8	412.5	416.7	419.2	423.3	425.8	428.3	433.3	440.7	446.5	453.2
135°	430.8	432.4	437.4	439.9	442.4	444.9	448.2	453.2	460.6	466.5	473.1
137.5°	450.7	452.4	457.3	459.8	461.5	464.0	466.5	471.4	478.9	484.7	490.5
140°	469.0	470.6	473.9	477.2	478.9	480.6	483.1	488.0	494.7	500.5	506.3
142.5°	485.6	487.2	490.5	493.8	496.3	496.3	498.8	503.0	510.4	516.3	521.2
145°	501.3	502.2	505.5	508.8	512.1	512.1	512.9	517.1	523.7	530.4	535.4
147.5°	516.3	517.1	519.6	522.9	525.4	526.2	527.9	529.5	536.2	542.8	548.6
150°	529.5	530.4	532.0	535.4	537.0	538.7	540.3	541.2	546.1	551.9	558.6
152.5°	541.2	542.0	543.6	546.1	547.8	549.5	551.1	553.6	556.1	561.9	566.1
155°	552.8	553.6	554.4	556.9	558.6	559.4	560.2	563.6	566.1	569.4	573.5
157.5°	562.7	562.7	563.6	565.2	566.9	566.9	567.7	571.0	573.5	576.8	579.3
160°	571.0	571.0	571.9	573.5	573.5	574.4	575.2	577.7	579.3	583.5	586.8
162.5°	578.5	577.7	578.5	579.3	579.3	579.3	580.2	581.8	584.3	587.6	591.0
165°	584.3	584.3	584.3	585.2	585.2	584.3	584.3	586.0	587.6	590.1	592.6
167.5°	589.3	589.3	588.5	589.3	588.5	588.5	587.6	588.5	589.3	591.8	593.4
170°	593.4	592.6	592.6	592.6	591.8	591.0	591.0	591.0	591.0	592.6	594.3
172.5°	596.8	595.9	595.1	595.1	593.4	592.6	592.6	591.8	591.8	592.6	593.4
175°	597.6	596.8	595.9	595.9	594.3	593.4	592.6	592.6	591.8	592.6	593.4
177.5°	599.3	598.4	596.8	596.8	595.1	593.4	593.4	592.6	591.8	592.6	592.6
180°	591.0	591.0	591.0	591.0	591.0	591.0	591.0	591.0	591.0	591.0	591.0



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2	331.2
2.5°	332.8	332.8	332.0	331.2	331.2	330.3	329.5	328.7	327.8	327.0
5°	332.8	332.0	331.2	331.2	330.3	330.3	330.3	329.5	328.7	328.7
7.5°	332.8	332.8	332.0	331.2	331.2	331.2	331.2	331.2	330.3	330.3
10°	332.8	332.0	332.0	332.0	331.2	332.0	332.0	331.2	331.2	330.3
12.5°	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	331.2
15°	330.3	331.2	331.2	332.0	332.0	332.0	332.8	332.8	332.0	332.0
17.5°	329.5	330.3	331.2	332.0	332.0	332.0	332.8	332.8	332.8	332.8
20°	327.8	328.7	329.5	330.3	330.3	331.2	331.2	332.0	332.0	332.0
22.5°	324.5	325.4	327.0	327.8	328.7	329.5	330.3	330.3	330.3	330.3
25°	321.2	322.9	323.7	325.4	326.2	327.0	327.8	327.8	327.8	328.7
27.5°	317.1	318.7	321.2	322.0	322.9	323.7	324.5	325.4	325.4	325.4
30°	312.1	314.6	316.2	317.9	318.7	319.6	320.4	320.4	321.2	321.2
32.5°	306.3	308.8	310.4	312.1	312.9	313.7	315.4	315.4	316.2	316.2
35°	298.8	301.3	303.8	305.4	306.3	307.1	308.8	309.6	309.6	309.6
37.5°	291.3	293.8	296.3	298.8	299.6	300.5	302.1	302.1	303.0	303.0
40°	282.2	284.7	287.2	289.7	289.7	291.3	292.2	293.0	293.8	293.8
42.5°	273.1	275.6	277.2	279.7	280.5	281.4	282.2	283.9	283.9	284.7
45°	262.3	264.8	266.4	268.9	269.8	270.6	272.2	273.1	273.9	273.9
47.5°	250.7	252.3	254.0	256.5	258.1	259.0	259.8	260.6	261.4	260.6
50°	237.4	239.0	241.5	244.0	244.8	245.7	247.3	247.3	248.2	248.2
52.5°	223.3	225.8	227.4	229.9	230.7	231.6	233.2	233.2	234.1	234.1
55°	207.5	209.2	210.8	215.0	215.8	216.6	218.3	218.3	219.1	220.0
57.5°	192.6	193.4	195.9	197.5	199.2	199.2	200.0	200.9	201.7	201.7
60°	176.8	177.6	179.3	181.8	181.8	182.6	184.3	184.3	185.1	185.1
62.5°	160.2	161.8	163.5	166.0	165.2	166.0	167.7	167.7	168.5	168.5
65°	143.6	144.4	146.1	147.7	148.6	148.6	149.4	150.2	151.1	151.1
67.5°	126.2	127.8	128.6	131.1	130.3	131.1	132.0	132.0	132.8	132.8
70°	109.6	110.4	112.0	112.9	112.9	113.7	114.5	114.5	114.5	115.4
72.5°	93.0	93.8	94.6	95.4	95.4	96.3	97.1	97.1	97.9	97.9
75°	75.5	77.2	78.0	79.7	78.8	79.7	81.3	81.3	81.3	81.3
77.5°	60.6	61.4	63.1	63.9	63.9	63.9	65.6	64.7	65.6	65.6
80°	45.6	46.5	48.1	49.0	49.0	49.8	50.6	50.6	50.6	51.5
82.5°	32.4	34.0	35.7	36.5	36.5	37.4	38.2	38.2	39.0	39.0
85°	22.4	24.1	25.7	25.7	26.6	27.4	28.2	28.2	28.2	28.2
87.5°	14.9	15.8	16.6	17.4	18.3	18.3	19.1	19.1	19.9	19.9
90°	8.3	9.1	10.0	10.8	10.8	11.6	11.6	12.4	12.4	12.4
92.5°	11.6	11.6	12.4	13.3	13.3	13.3	13.3	14.1	14.1	14.1
95°	24.9	25.7	25.7	27.4	27.4	27.4	28.2	28.2	28.2	28.2
97.5°	48.1	48.1	48.1	49.8	49.8	49.8	50.6	50.6	50.6	51.5
100°	75.5	76.4	76.4	78.8	78.0	79.7	79.7	79.7	79.7	80.5
102.5°	106.2	107.9	108.7	111.2	111.2	111.2	112.9	112.0	112.9	112.9
105°	139.4	141.1	141.9	144.4	146.1	146.1	147.7	146.9	147.7	148.6
107.5°	172.6	175.1	176.8	179.3	180.9	181.8	181.8	182.6	183.4	184.3
110°	206.7	209.2	213.3	215.8	216.6	218.3	219.1	220.0	220.8	222.4





TEST NUMBER: P395042

CATALOG NUMBER: I3-FL-40L930-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	242.4	244.8	248.2	251.5	250.7	253.2	254.8	255.6	256.5	255.6
115°	274.7	278.0	281.4	284.7	284.7	286.3	289.7	290.5	290.5	292.2
117.5°	305.4	309.6	312.9	316.2	317.1	318.7	321.2	323.7	323.7	325.4
120°	335.3	340.3	343.6	346.9	348.6	349.4	351.9	355.2	355.2	355.2
122.5°	363.5	367.7	371.8	375.2	376.8	378.5	380.1	384.3	384.3	386.0
125°	390.1	395.1	399.2	402.5	404.2	405.9	409.2	411.7	412.5	412.5
127.5°	415.0	420.0	424.1	428.3	429.1	430.8	434.1	437.4	438.2	439.1
130°	438.2	443.2	447.4	451.5	453.2	454.0	458.2	460.6	462.3	463.1
132.5°	459.0	464.0	468.1	472.3	473.9	475.6	478.1	482.2	483.1	483.1
135°	478.1	483.1	487.2	492.2	493.0	494.7	498.0	500.5	502.2	503.0
137.5°	495.5	500.5	505.5	509.6	511.3	512.1	515.4	518.8	520.4	521.2
140°	511.3	516.3	521.2	524.6	525.4	527.9	530.4	533.7	535.4	536.2
142.5°	526.2	530.4	534.5	538.7	539.5	541.2	543.6	547.0	548.6	549.5
145°	539.5	543.6	547.0	550.3	551.1	552.8	555.3	557.8	559.4	560.2
147.5°	551.9	555.3	558.6	561.1	561.9	563.6	565.2	566.9	568.6	569.4
150°	562.7	564.4	567.7	569.4	570.2	571.9	573.5	575.2	576.8	577.7
152.5°	571.0	573.5	575.2	577.7	578.5	579.3	581.0	582.7	584.3	584.3
155°	577.7	580.2	581.8	584.3	585.2	586.0	587.6	588.5	590.1	590.1
157.5°	582.7	585.2	586.8	588.5	589.3	590.1	591.0	592.6	594.3	594.3
160°	588.5	589.3	590.1	591.8	591.8	592.6	593.4	594.3	595.9	595.9
162.5°	593.4	594.3	592.6	593.4	592.6	593.4	594.3	595.1	595.9	595.9
165°	595.1	596.8	595.9	596.8	596.8	596.8	596.8	597.6	597.6	597.6
167.5°	595.1	596.8	595.9	595.9	596.8	596.8	597.6	598.4	598.4	598.4
170°	595.1	595.9	595.1	594.3	595.1	595.1	595.1	595.9	595.9	595.9
172.5°	594.3	595.1	593.4	592.6	592.6	592.6	591.8	591.8	591.0	591.0
175°	593.4	593.4	591.8	591.0	591.0	591.0	589.3	588.5	587.6	586.8
177.5°	592.6	592.6	590.1	589.3	589.3	588.5	588.5	586.8	586.8	586.0
180°	591.0	591.0	591.0	591.0	591.0	591.0	591.0	591.0	591.0	591.0

(END OF REPORT)