

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: P395043

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

Issue Date: 3/30/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395043  
Test Lab: INNOVATION CENTER (G2)  
Issue Date: 3/30/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: I3-FL-40L935-1D-UNV-STD-W-4  
Description: CORELITE I3, FROSTED TOP COVER  
4000 LUMENS  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3157.4 lumens  
Efficiency: N/A  
Efficacy: 112.8 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

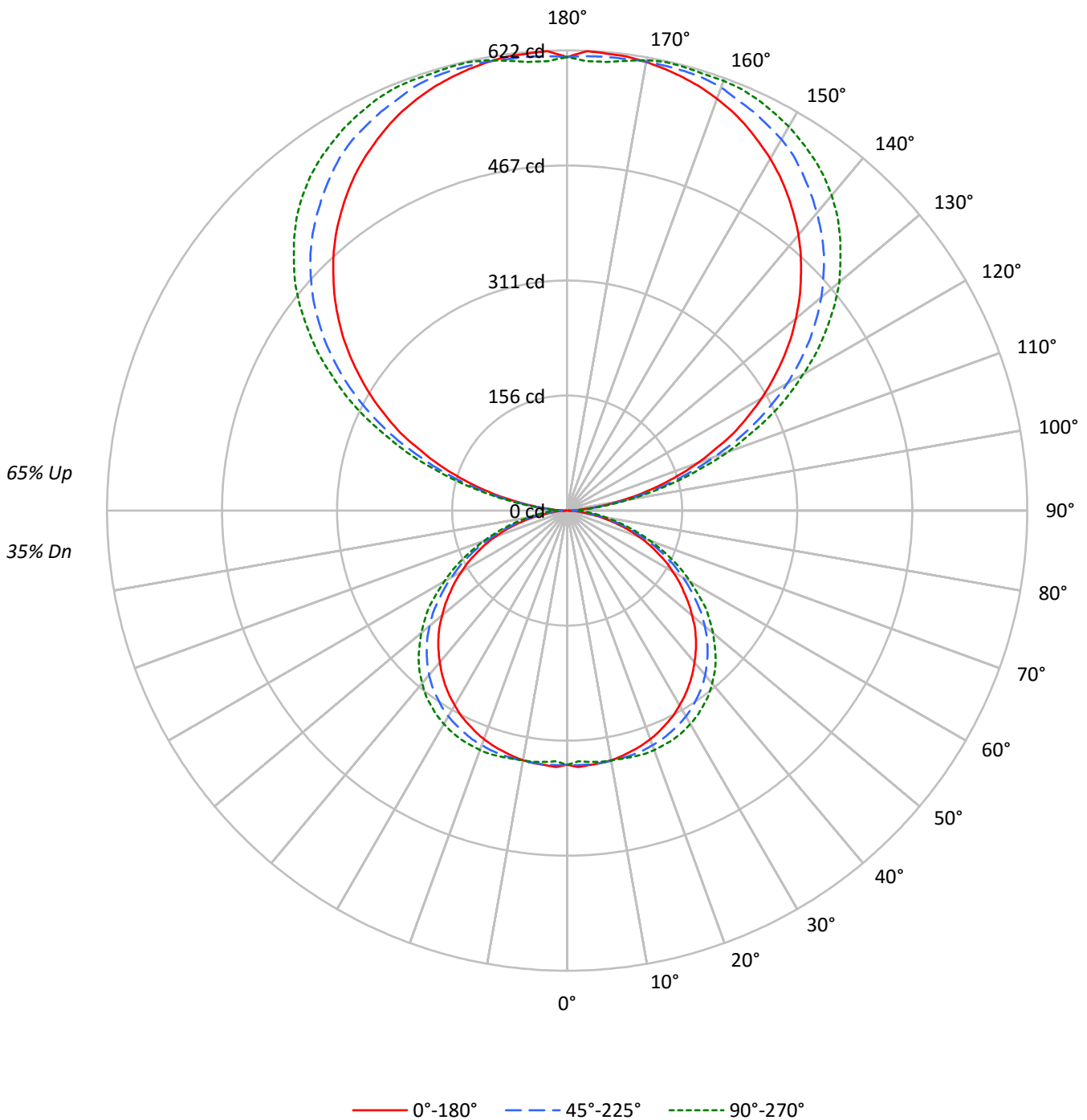
Input Watts (W): 28  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1888	1888	1888
5°	1898	1857	1828
10°	1898	1831	1807
15°	1894	1816	1799
20°	1894	1800	1797
25°	1889	1784	1790
30°	1883	1767	1773
35°	1874	1739	1747
40°	1855	1703	1709
45°	1836	1649	1656
50°	1794	1577	1575
55°	1743	1477	1482
60°	1684	1361	1338
65°	1601	1219	1188
70°	1486	1039	1004
75°	1294	826	799
80°	1010	587	585
85°	547	336	384



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.8	1.0
10°-20°	96.3	3.1
20°-30°	151.9	4.8
30°-40°	190.9	6.0
40°-50°	205.3	6.5
50°-60°	188.8	6.0
60°-70°	144.7	4.6
70°-80°	82.4	2.6
80°-90°	25.7	0.8
90°-100°	34.4	1.1
100°-110°	149.6	4.7
110°-120°	273.9	8.7
120°-130°	353.1	11.2
130°-140°	375.7	11.9
140°-150°	345.7	10.9
150°-160°	273.9	8.7
160°-170°	173.4	5.5
170°-180°	58.7	1.9
0°-30°	281.0	8.9
0°-40°	472.0	14.9
0°-60°	866.1	27.4
0°-90°	1118.9	35.4
90°-120°	458.0	14.5
90°-150°	1532.5	48.5
90°-180°	2038.0	64.5
0°-180°	3157.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	344	344	344	344	344	
5°	345	342	344	343	341	33
15°	337	335	342	344	344	95
25°	318	319	331	338	341	147
35°	288	291	307	318	321	180
45°	246	252	269	280	284	190
55°	193	201	213	224	228	173
65°	134	139	147	154	157	133
75°	71	72	78	82	84	75
85°	13	16	22	28	29	16
90°	1	3	8	11	13	2
95°	23	22	25	28	29	29
105°	127	133	143	152	154	135
115°	249	260	281	295	303	244
125°	356	371	400	419	428	318
135°	447	462	491	511	522	345
145°	520	531	555	572	581	325
155°	573	580	595	607	612	264
165°	606	606	615	619	620	171
175°	620	616	616	613	609	59
180°	613	613	613	613	613	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	343.5	343.5	343.5	343.5	343.5	343.5	343.5	343.5	343.5	343.5	343.5
2.5°	347.0	346.1	345.3	343.5	343.5	342.7	342.7	342.7	342.7	343.5	344.4
5°	345.3	345.3	344.4	342.7	342.7	341.8	341.8	342.7	341.8	342.7	344.4
7.5°	344.4	344.4	343.5	341.8	341.8	341.8	341.8	341.8	341.8	342.7	344.4
10°	342.7	342.7	341.0	340.1	340.1	340.1	340.1	341.0	341.0	341.8	343.5
12.5°	340.1	339.2	338.4	337.5	337.5	337.5	338.4	339.2	339.2	341.0	342.7
15°	336.7	336.7	335.8	334.9	334.9	334.9	335.8	336.7	337.5	339.2	341.8
17.5°	333.2	333.2	332.3	332.3	332.3	332.3	333.2	334.1	335.8	337.5	340.1
20°	328.9	328.9	328.0	328.0	328.0	328.9	328.9	330.6	332.3	334.9	337.5
22.5°	323.7	323.7	323.7	322.9	323.7	324.6	325.5	327.2	328.9	331.5	334.9
25°	317.7	317.7	317.7	317.7	318.6	318.6	320.3	322.0	323.7	327.2	330.6
27.5°	311.7	311.7	311.7	310.8	312.5	313.4	314.3	316.8	318.6	322.9	326.3
30°	303.9	303.9	303.9	304.8	305.7	306.5	308.2	310.8	312.5	316.8	321.2
32.5°	296.2	296.2	296.2	296.2	298.8	299.6	300.5	303.1	306.5	310.8	315.1
35°	287.6	287.6	287.6	288.4	290.2	291.0	292.7	295.3	298.8	303.1	307.4
37.5°	278.1	279.0	279.0	279.8	281.5	283.3	285.0	287.6	291.0	295.3	299.6
40°	267.8	268.6	268.6	269.5	271.2	272.9	274.7	278.1	281.5	285.9	290.2
42.5°	257.4	258.3	258.3	260.0	261.7	263.5	265.2	268.6	272.1	276.4	279.8
45°	246.2	247.1	247.1	248.8	251.4	252.3	254.9	258.3	261.7	265.2	268.6
47.5°	234.2	235.1	235.1	236.8	239.4	241.1	242.8	246.2	248.8	253.1	256.6
50°	220.4	221.3	222.1	223.9	227.3	229.0	230.7	233.3	236.8	239.4	242.8
52.5°	207.5	207.5	208.4	210.1	212.7	214.4	215.2	217.8	222.1	225.6	229.0
55°	192.9	193.7	194.6	196.3	198.9	200.6	201.5	204.1	206.6	209.2	212.7
57.5°	179.9	179.9	180.8	182.5	185.1	186.0	186.8	188.6	192.0	194.6	197.2
60°	164.5	165.3	166.2	167.9	169.6	171.3	171.3	173.9	176.5	179.1	180.8
62.5°	150.7	150.7	151.5	153.3	154.1	155.8	155.8	158.4	160.1	162.7	164.5
65°	134.3	135.2	136.0	136.9	138.6	138.6	139.5	141.2	142.9	144.6	147.2
67.5°	119.7	119.7	120.5	121.4	122.3	122.3	123.1	124.8	126.6	128.3	130.0
70°	103.3	104.2	104.2	104.2	105.0	105.9	106.8	107.6	109.3	110.2	111.9
72.5°	87.0	87.0	87.8	87.8	88.7	89.5	90.4	91.3	92.1	93.8	94.7
75°	70.6	70.6	71.5	71.5	72.3	72.3	72.3	74.0	74.9	76.6	77.5
77.5°	54.2	55.1	55.1	55.1	56.0	56.8	56.8	57.7	59.4	60.3	61.1
80°	39.6	39.6	39.6	39.6	40.5	41.3	42.2	42.2	43.9	45.6	46.5
82.5°	25.0	25.0	25.8	26.7	26.7	27.6	28.4	29.3	31.0	31.9	32.7
85°	12.9	12.9	13.8	14.6	15.5	16.4	16.4	17.2	18.9	20.7	21.5
87.5°	4.3	5.2	5.2	6.0	6.9	7.7	8.6	9.5	11.2	12.9	13.8
90°	0.9	0.9	0.9	1.7	2.6	2.6	3.4	4.3	5.2	6.0	7.7
92.5°	7.7	7.7	6.9	7.7	7.7	7.7	7.7	8.6	9.5	9.5	11.2
95°	23.2	22.4	22.4	22.4	22.4	22.4	22.4	23.2	24.1	24.1	25.0
97.5°	44.8	44.8	43.9	43.9	44.8	44.8	44.8	45.6	47.4	46.5	48.2
100°	69.7	69.7	68.9	69.7	70.6	71.5	73.2	73.2	74.9	74.9	77.5
102.5°	98.2	98.2	97.3	99.0	99.9	101.6	101.6	103.3	105.9	105.9	109.3
105°	126.6	127.4	127.4	129.2	130.9	132.6	132.6	135.2	138.6	138.6	142.9
107.5°	157.6	158.4	158.4	160.1	161.9	163.6	164.5	167.9	171.3	172.2	177.4
110°	187.7	188.6	189.4	191.1	192.9	195.4	197.2	200.6	204.9	206.6	210.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	216.1	219.6	220.4	223.0	225.6	228.2	229.9	234.2	239.4	241.9	247.1
115°	248.8	250.6	251.4	254.0	257.4	260.0	261.7	266.0	271.2	274.7	280.7
117.5°	275.5	279.8	280.7	283.3	286.7	289.3	291.0	296.2	302.2	306.5	312.5
120°	303.9	307.4	310.8	312.5	315.1	318.6	320.3	325.5	332.3	336.7	343.5
122.5°	329.8	333.2	336.7	339.2	342.7	344.4	347.0	353.0	359.9	365.1	372.0
125°	355.6	359.9	362.5	365.1	369.4	371.1	373.7	379.7	386.6	392.6	399.5
127.5°	380.6	383.1	387.4	389.2	393.5	395.2	397.8	404.7	411.6	417.6	424.5
130°	403.8	407.3	410.7	411.6	416.7	419.3	421.9	427.9	435.7	441.7	448.6
132.5°	426.2	427.9	432.2	434.8	439.1	441.7	444.3	449.4	457.2	463.2	470.1
135°	446.9	448.6	453.7	456.3	458.9	461.5	464.9	470.1	477.9	483.9	490.8
137.5°	467.5	469.2	474.4	477.0	478.7	481.3	483.9	489.0	496.8	502.8	508.9
140°	486.5	488.2	491.6	495.1	496.8	498.5	501.1	506.3	513.2	519.2	525.2
142.5°	503.7	505.4	508.9	512.3	514.9	514.9	517.5	521.8	529.5	535.5	540.7
145°	520.0	520.9	524.3	527.8	531.2	531.2	532.1	536.4	543.3	550.2	555.3
147.5°	535.5	536.4	539.0	542.4	545.0	545.9	547.6	549.3	556.2	563.1	569.1
150°	549.3	550.2	551.9	555.3	557.1	558.8	560.5	561.4	566.5	572.6	579.5
152.5°	561.4	562.2	564.0	566.5	568.3	570.0	571.7	574.3	576.9	582.9	587.2
155°	573.4	574.3	575.1	577.7	579.5	580.3	581.2	584.6	587.2	590.6	595.0
157.5°	583.8	583.8	584.6	586.3	588.1	588.1	588.9	592.4	595.0	598.4	601.0
160°	592.4	592.4	593.2	595.0	595.0	595.8	596.7	599.3	601.0	605.3	608.7
162.5°	600.1	599.3	600.1	601.0	601.0	601.0	601.8	603.6	606.1	609.6	613.0
165°	606.1	606.1	606.1	607.0	607.0	606.1	606.1	607.9	609.6	612.2	614.8
167.5°	611.3	611.3	610.4	611.3	610.4	610.4	609.6	610.4	611.3	613.9	615.6
170°	615.6	614.8	614.8	614.8	613.9	613.0	613.0	613.0	613.0	614.8	616.5
172.5°	619.1	618.2	617.3	617.3	615.6	614.8	614.8	613.9	613.9	614.8	615.6
175°	619.9	619.1	618.2	618.2	616.5	615.6	614.8	614.8	613.9	614.8	615.6
177.5°	621.6	620.8	619.1	619.1	617.3	615.6	615.6	614.8	613.9	614.8	614.8
180°	613.0	613.0	613.0	613.0	613.0	613.0	613.0	613.0	613.0	613.0	613.0



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	343.5	343.5	343.5	343.5	343.5	343.5	343.5	343.5	343.5	343.5
2.5°	345.3	345.3	344.4	343.5	343.5	342.7	341.8	341.0	340.1	339.2
5°	345.3	344.4	343.5	343.5	342.7	342.7	342.7	341.8	341.0	341.0
7.5°	345.3	345.3	344.4	343.5	343.5	343.5	343.5	343.5	342.7	342.7
10°	345.3	344.4	344.4	344.4	343.5	344.4	344.4	343.5	343.5	342.7
12.5°	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	343.5
15°	342.7	343.5	343.5	344.4	344.4	344.4	345.3	345.3	344.4	344.4
17.5°	341.8	342.7	343.5	344.4	344.4	344.4	345.3	345.3	345.3	345.3
20°	340.1	341.0	341.8	342.7	342.7	343.5	343.5	344.4	344.4	344.4
22.5°	336.7	337.5	339.2	340.1	341.0	341.8	342.7	342.7	342.7	342.7
25°	333.2	334.9	335.8	337.5	338.4	339.2	340.1	340.1	340.1	341.0
27.5°	328.9	330.6	333.2	334.1	334.9	335.8	336.7	337.5	337.5	337.5
30°	323.7	326.3	328.0	329.8	330.6	331.5	332.3	332.3	333.2	333.2
32.5°	317.7	320.3	322.0	323.7	324.6	325.5	327.2	327.2	328.0	328.0
35°	310.0	312.5	315.1	316.8	317.7	318.6	320.3	321.2	321.2	321.2
37.5°	302.2	304.8	307.4	310.0	310.8	311.7	313.4	313.4	314.3	314.3
40°	292.7	295.3	297.9	300.5	300.5	302.2	303.1	303.9	304.8	304.8
42.5°	283.3	285.9	287.6	290.2	291.0	291.9	292.7	294.5	294.5	295.3
45°	272.1	274.7	276.4	279.0	279.8	280.7	282.4	283.3	284.1	284.1
47.5°	260.0	261.7	263.5	266.0	267.8	268.6	269.5	270.4	271.2	270.4
50°	246.2	248.0	250.6	253.1	254.0	254.9	256.6	256.6	257.4	257.4
52.5°	231.6	234.2	235.9	238.5	239.4	240.2	241.9	241.9	242.8	242.8
55°	215.2	217.0	218.7	223.0	223.9	224.7	226.4	226.4	227.3	228.2
57.5°	199.8	200.6	203.2	204.9	206.6	206.6	207.5	208.4	209.2	209.2
60°	183.4	184.3	186.0	188.6	188.6	189.4	191.1	191.1	192.0	192.0
62.5°	166.2	167.9	169.6	172.2	171.3	172.2	173.9	173.9	174.8	174.8
65°	149.0	149.8	151.5	153.3	154.1	154.1	155.0	155.8	156.7	156.7
67.5°	130.9	132.6	133.5	136.0	135.2	136.0	136.9	136.9	137.8	137.8
70°	113.7	114.5	116.2	117.1	117.1	118.0	118.8	118.8	118.8	119.7
72.5°	96.4	97.3	98.2	99.0	99.0	99.9	100.7	100.7	101.6	101.6
75°	78.4	80.1	80.9	82.7	81.8	82.7	84.4	84.4	84.4	84.4
77.5°	62.9	63.7	65.4	66.3	66.3	66.3	68.0	67.2	68.0	68.0
80°	47.4	48.2	49.9	50.8	50.8	51.7	52.5	52.5	52.5	53.4
82.5°	33.6	35.3	37.0	37.9	37.9	38.7	39.6	39.6	40.5	40.5
85°	23.2	25.0	26.7	26.7	27.6	28.4	29.3	29.3	29.3	29.3
87.5°	15.5	16.4	17.2	18.1	18.9	18.9	19.8	19.8	20.7	20.7
90°	8.6	9.5	10.3	11.2	11.2	12.1	12.1	12.9	12.9	12.9
92.5°	12.1	12.1	12.9	13.8	13.8	13.8	13.8	14.6	14.6	14.6
95°	25.8	26.7	26.7	28.4	28.4	28.4	29.3	29.3	29.3	29.3
97.5°	49.9	49.9	49.9	51.7	51.7	51.7	52.5	52.5	52.5	53.4
100°	78.4	79.2	79.2	81.8	80.9	82.7	82.7	82.7	82.7	83.5
102.5°	110.2	111.9	112.8	115.4	115.4	115.4	117.1	116.2	117.1	117.1
105°	144.6	146.4	147.2	149.8	151.5	151.5	153.3	152.4	153.3	154.1
107.5°	179.1	181.7	183.4	186.0	187.7	188.6	188.6	189.4	190.3	191.1
110°	214.4	217.0	221.3	223.9	224.7	226.4	227.3	228.2	229.0	230.7





TEST NUMBER: P395043

CATALOG NUMBER: I3-FL-40L935-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	251.4	254.0	257.4	260.9	260.0	262.6	264.3	265.2	266.0	265.2
115°	285.0	288.4	291.9	295.3	295.3	297.0	300.5	301.4	301.4	303.1
117.5°	316.8	321.2	324.6	328.0	328.9	330.6	333.2	335.8	335.8	337.5
120°	347.8	353.0	356.5	359.9	361.6	362.5	365.1	368.5	368.5	368.5
122.5°	377.1	381.4	385.7	389.2	390.9	392.6	394.3	398.6	398.6	400.4
125°	404.7	409.8	414.1	417.6	419.3	421.0	424.5	427.1	427.9	427.9
127.5°	430.5	435.7	440.0	444.3	445.1	446.9	450.3	453.7	454.6	455.5
130°	454.6	459.8	464.1	468.4	470.1	471.0	475.3	477.9	479.6	480.4
132.5°	476.1	481.3	485.6	489.9	491.6	493.4	495.9	500.2	501.1	501.1
135°	495.9	501.1	505.4	510.6	511.4	513.2	516.6	519.2	520.9	521.8
137.5°	514.0	519.2	524.3	528.7	530.4	531.2	534.7	538.1	539.8	540.7
140°	530.4	535.5	540.7	544.2	545.0	547.6	550.2	553.6	555.3	556.2
142.5°	545.9	550.2	554.5	558.8	559.6	561.4	564.0	567.4	569.1	570.0
145°	559.6	564.0	567.4	570.8	571.7	573.4	576.0	578.6	580.3	581.2
147.5°	572.6	576.0	579.5	582.0	582.9	584.6	586.3	588.1	589.8	590.6
150°	583.8	585.5	588.9	590.6	591.5	593.2	595.0	596.7	598.4	599.3
152.5°	592.4	595.0	596.7	599.3	600.1	601.0	602.7	604.4	606.1	606.1
155°	599.3	601.8	603.6	606.1	607.0	607.9	609.6	610.4	612.2	612.2
157.5°	604.4	607.0	608.7	610.4	611.3	612.2	613.0	614.8	616.5	616.5
160°	610.4	611.3	612.2	613.9	613.9	614.8	615.6	616.5	618.2	618.2
162.5°	615.6	616.5	614.8	615.6	614.8	615.6	616.5	617.3	618.2	618.2
165°	617.3	619.1	618.2	619.1	619.1	619.1	619.1	619.9	619.9	619.9
167.5°	617.3	619.1	618.2	618.2	619.1	619.1	619.9	620.8	620.8	620.8
170°	617.3	618.2	617.3	616.5	617.3	617.3	617.3	618.2	618.2	618.2
172.5°	616.5	617.3	615.6	614.8	614.8	614.8	613.9	613.9	613.0	613.0
175°	615.6	615.6	613.9	613.0	613.0	613.0	611.3	610.4	609.6	608.7
177.5°	614.8	614.8	612.2	611.3	611.3	610.4	610.4	608.7	608.7	607.9
180°	613.0	613.0	613.0	613.0	613.0	613.0	613.0	613.0	613.0	613.0

(END OF REPORT)