

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: P395039

Luminaire Tested: **I3-FL-30L930-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395039  
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-30L930-1D-UNV-STD-W-4  
Description: CORELITE I3, FROSTED TOP COVER  
3000 LUMENS  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

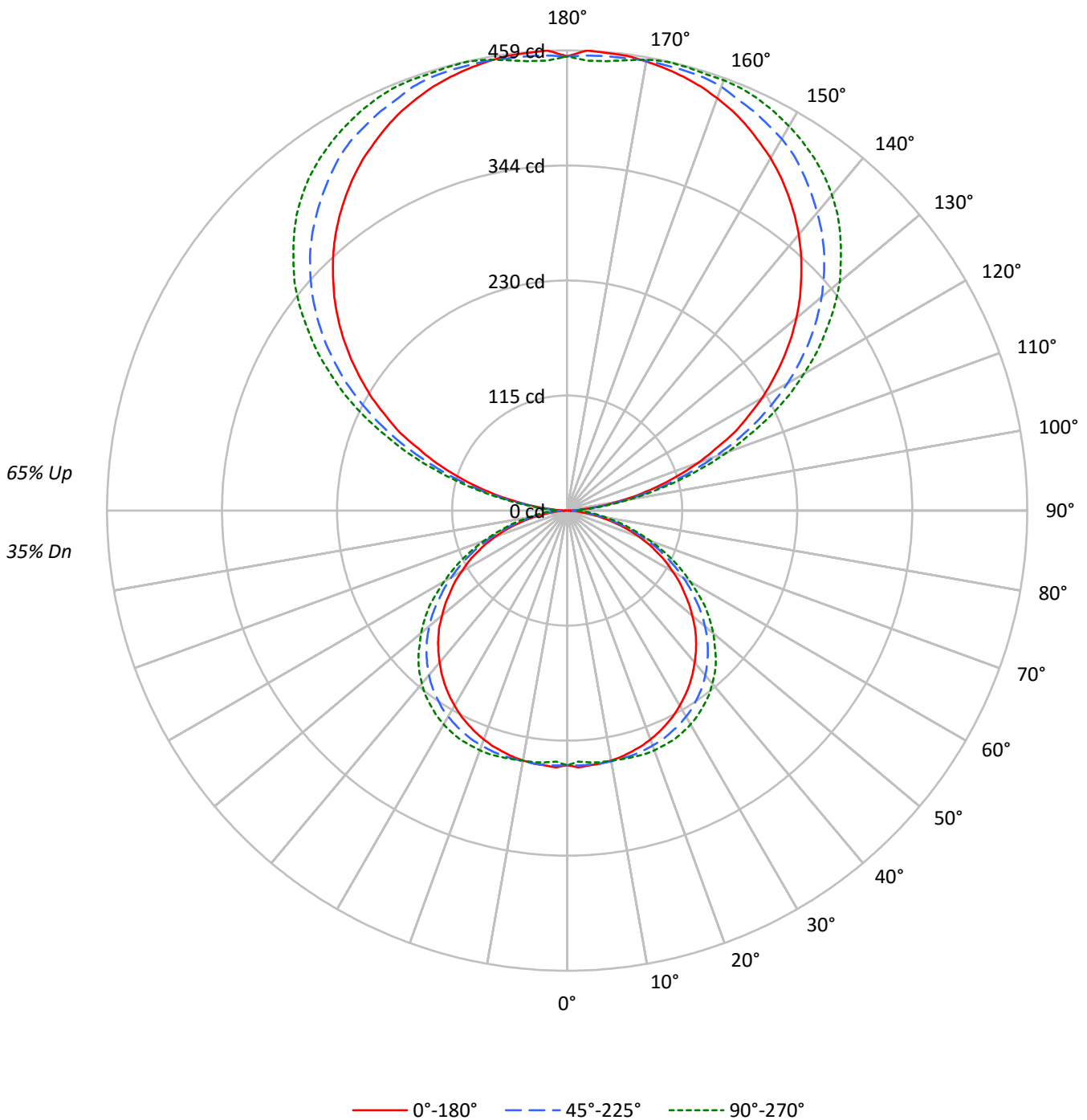
Lumens per Lamp: N/A  
Luminaire Lumens: 2333.3 lumens  
Efficiency: N/A  
Efficacy: 118.4 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.43 / 1.49  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')  
CIE Type: Semi-Indirect

Input Watts (W): 19.7  
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



TEST NUMBER: P395039  
CATALOG NUMBER: I3-FL-30L930-1D-UNV-STD-W-4

### 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°	1396	1396	1396
5°	1402	1372	1351
10°	1403	1354	1335
15°	1400	1342	1329
20°	1400	1330	1328
25°	1396	1319	1323
30°	1391	1306	1311
35°	1385	1285	1291
40°	1371	1258	1263
45°	1356	1219	1224
50°	1325	1165	1164
55°	1287	1091	1095
60°	1244	1006	988
65°	1183	901	878
70°	1099	769	742
75°	957	611	590
80°	747	434	431
85°	403	248	285



TEST NUMBER: P395039

CATALOG NUMBER: I3-FL-30L930-1D-UNV-STD-W-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.2	1.0
10°-20°	71.2	3.1
20°-30°	112.3	4.8
30°-40°	141.1	6.0
40°-50°	151.7	6.5
50°-60°	139.6	6.0
60°-70°	106.9	4.6
70°-80°	60.9	2.6
80°-90°	19.0	0.8
90°-100°	25.4	1.1
100°-110°	110.6	4.7
110°-120°	202.4	8.7
120°-130°	260.9	11.2
130°-140°	277.7	11.9
140°-150°	255.5	10.9
150°-160°	202.4	8.7
160°-170°	128.1	5.5
170°-180°	43.4	1.9
0°-30°	207.7	8.9
0°-40°	348.8	14.9
0°-60°	640.0	27.4
0°-90°	826.9	35.4
90°-120°	338.4	14.5
90°-150°	1132.5	48.5
90°-180°	1506.0	64.5
0°-180°	2333.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	254	254	254	254	254	
5°	255	253	254	253	252	24
15°	249	248	253	254	254	70
25°	235	235	244	250	252	108
35°	212	215	227	235	237	133
45°	182	186	198	207	210	140
55°	142	148	157	165	169	128
65°	99	102	109	114	116	99
75°	52	54	57	60	62	55
85°	10	12	16	20	22	12
90°	1	2	6	8	10	1
95°	17	16	18	21	22	21
105°	94	98	106	112	114	100
115°	184	192	207	218	224	180
125°	263	274	295	310	316	235
135°	330	341	363	378	386	255
145°	384	393	410	422	429	241
155°	424	429	440	448	452	195
165°	448	448	454	458	458	127
175°	458	455	455	453	450	44
180°	453	453	453	453	453	



TEST NUMBER: P395039

CATALOG NUMBER: I3-FL-30L930-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	253.9	253.9	253.9	253.9	253.9	253.9	253.9	253.9	253.9	253.9	253.9
2.5°	256.4	255.8	255.1	253.9	253.9	253.2	253.2	253.2	253.2	253.9	254.5
5°	255.1	255.1	254.5	253.2	253.2	252.6	252.6	253.2	252.6	253.2	254.5
7.5°	254.5	254.5	253.9	252.6	252.6	252.6	252.6	252.6	252.6	253.2	254.5
10°	253.2	253.2	252.0	251.3	251.3	251.3	251.3	252.0	252.0	252.6	253.9
12.5°	251.3	250.7	250.1	249.4	249.4	249.4	250.1	250.7	250.7	252.0	253.2
15°	248.8	248.8	248.2	247.5	247.5	247.5	248.2	248.8	249.4	250.7	252.6
17.5°	246.3	246.3	245.6	245.6	245.6	245.6	246.3	246.8	248.2	249.4	251.3
20°	243.0	243.0	242.4	242.4	242.4	243.0	243.0	244.4	245.6	247.5	249.4
22.5°	239.2	239.2	239.2	238.6	239.2	239.9	240.5	241.8	243.0	244.9	247.5
25°	234.8	234.8	234.8	234.8	235.4	235.4	236.7	238.0	239.2	241.8	244.4
27.5°	230.3	230.3	230.3	229.7	231.0	231.6	232.2	234.1	235.4	238.6	241.1
30°	224.6	224.6	224.6	225.3	225.8	226.5	227.8	229.7	231.0	234.1	237.3
32.5°	218.9	218.9	218.9	218.9	220.8	221.4	222.0	223.9	226.5	229.7	232.9
35°	212.5	212.5	212.5	213.1	214.4	215.1	216.3	218.2	220.8	223.9	227.2
37.5°	205.5	206.2	206.2	206.8	208.1	209.3	210.6	212.5	215.1	218.2	221.4
40°	197.9	198.5	198.5	199.1	200.4	201.7	202.9	205.5	208.1	211.2	214.4
42.5°	190.2	190.9	190.9	192.1	193.4	194.7	196.0	198.5	201.0	204.3	206.8
45°	181.9	182.6	182.6	183.8	185.8	186.4	188.3	190.9	193.4	196.0	198.5
47.5°	173.1	173.7	173.7	175.0	176.9	178.1	179.4	181.9	183.8	187.1	189.6
50°	162.8	163.5	164.2	165.4	168.0	169.2	170.5	172.4	175.0	176.9	179.4
52.5°	153.3	153.3	154.0	155.2	157.1	158.4	159.0	160.9	164.2	166.7	169.2
55°	142.5	143.2	143.8	145.1	147.0	148.2	148.9	150.8	152.7	154.6	157.1
57.5°	133.0	133.0	133.6	134.9	136.8	137.4	138.0	139.4	141.8	143.8	145.7
60°	121.5	122.2	122.8	124.1	125.3	126.7	126.7	128.6	130.5	132.4	133.6
62.5°	111.4	111.4	112.0	113.3	113.9	115.2	115.2	117.1	118.4	120.3	121.5
65°	99.3	99.9	100.5	101.2	102.4	102.4	103.1	104.3	105.7	106.9	108.8
67.5°	88.5	88.5	89.1	89.7	90.4	90.4	91.0	92.3	93.5	94.8	96.1
70°	76.4	77.0	77.0	77.0	77.6	78.3	78.9	79.5	80.8	81.4	82.8
72.5°	64.2	64.2	64.9	64.9	65.6	66.2	66.8	67.5	68.1	69.4	70.0
75°	52.2	52.2	52.8	52.8	53.5	53.5	53.5	54.7	55.4	56.6	57.3
77.5°	40.1	40.8	40.8	40.8	41.3	42.0	42.0	42.7	43.9	44.6	45.2
80°	29.3	29.3	29.3	29.3	29.9	30.5	31.2	31.2	32.5	33.7	34.4
82.5°	18.4	18.4	19.1	19.8	19.8	20.3	21.0	21.7	22.9	23.6	24.2
85°	9.5	9.5	10.2	10.8	11.5	12.1	12.1	12.7	14.0	15.3	15.9
87.5°	3.2	3.8	3.8	4.5	5.1	5.7	6.4	7.0	8.3	9.5	10.2
90°	0.7	0.7	0.7	1.2	1.9	1.9	2.6	3.2	3.8	4.5	5.7
92.5°	5.7	5.7	5.1	5.7	5.7	5.7	5.7	6.4	7.0	7.0	8.3
95°	17.2	16.5	16.5	16.5	16.5	16.5	16.5	17.2	17.8	17.8	18.4
97.5°	33.1	33.1	32.5	32.5	33.1	33.1	33.1	33.7	35.0	34.4	35.6
100°	51.5	51.5	50.9	51.5	52.2	52.8	54.1	54.1	55.4	55.4	57.3
102.5°	72.5	72.5	71.9	73.2	73.8	75.1	75.1	76.4	78.3	78.3	80.8
105°	93.5	94.2	94.2	95.4	96.7	98.0	98.0	99.9	102.4	102.4	105.7
107.5°	116.4	117.1	117.1	118.4	119.6	120.9	121.5	124.1	126.7	127.2	131.1
110°	138.7	139.4	139.9	141.3	142.5	144.4	145.7	148.2	151.4	152.7	155.9



TEST NUMBER: P395039

CATALOG NUMBER: I3-FL-30L930-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	159.7	162.3	162.8	164.8	166.7	168.6	169.9	173.1	176.9	178.8	182.6
115°	183.8	185.2	185.8	187.7	190.2	192.1	193.4	196.6	200.4	202.9	207.4
117.5°	203.6	206.8	207.4	209.3	211.9	213.8	215.1	218.9	223.4	226.5	231.0
120°	224.6	227.2	229.7	231.0	232.9	235.4	236.7	240.5	245.6	248.8	253.9
122.5°	243.7	246.3	248.8	250.7	253.2	254.5	256.4	260.9	265.9	269.8	274.9
125°	262.8	265.9	267.8	269.8	273.0	274.2	276.1	280.6	285.7	290.2	295.2
127.5°	281.2	283.1	286.3	287.6	290.7	292.1	294.0	299.0	304.1	308.6	313.7
130°	298.4	301.0	303.5	304.1	307.9	309.8	311.7	316.2	322.0	326.4	331.5
132.5°	315.0	316.2	319.4	321.3	324.5	326.4	328.3	332.2	337.9	342.3	347.4
135°	330.3	331.5	335.3	337.2	339.1	341.0	343.6	347.4	353.2	357.6	362.7
137.5°	345.5	346.8	350.6	352.5	353.7	355.7	357.6	361.4	367.1	371.6	376.1
140°	359.5	360.8	363.3	365.9	367.1	368.4	370.3	374.2	379.2	383.7	388.1
142.5°	372.3	373.5	376.1	378.6	380.5	380.5	382.4	385.6	391.3	395.7	399.6
145°	384.3	385.0	387.5	390.0	392.6	392.6	393.3	396.4	401.5	406.6	410.4
147.5°	395.7	396.4	398.3	400.9	402.8	403.4	404.7	406.0	411.0	416.1	420.6
150°	406.0	406.6	407.9	410.4	411.7	412.9	414.2	414.8	418.7	423.1	428.2
152.5°	414.8	415.5	416.7	418.7	419.9	421.2	422.5	424.4	426.3	430.8	433.9
155°	423.7	424.4	425.0	427.0	428.2	428.9	429.4	432.0	433.9	436.5	439.7
157.5°	431.4	431.4	432.0	433.3	434.6	434.6	435.2	437.7	439.7	442.2	444.1
160°	437.7	437.7	438.4	439.7	439.7	440.3	440.9	442.8	444.1	447.3	449.9
162.5°	443.5	442.8	443.5	444.1	444.1	444.1	444.7	446.0	448.0	450.4	453.0
165°	448.0	448.0	448.0	448.5	448.5	448.0	448.0	449.2	450.4	452.4	454.3
167.5°	451.8	451.8	451.1	451.8	451.1	451.1	450.4	451.1	451.8	453.7	454.9
170°	454.9	454.3	454.3	454.3	453.7	453.0	453.0	453.0	453.0	454.3	455.6
172.5°	457.5	456.8	456.2	456.2	454.9	454.3	454.3	453.7	453.7	454.3	454.9
175°	458.1	457.5	456.8	456.8	455.6	454.9	454.3	454.3	453.7	454.3	454.9
177.5°	459.4	458.7	457.5	457.5	456.2	454.9	454.9	454.3	453.7	454.3	454.3
180°	453.0	453.0	453.0	453.0	453.0	453.0	453.0	453.0	453.0	453.0	453.0



TEST NUMBER: P395039

CATALOG NUMBER: I3-FL-30L930-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	253.9	253.9	253.9	253.9	253.9	253.9	253.9	253.9	253.9	253.9
2.5°	255.1	255.1	254.5	253.9	253.9	253.2	252.6	252.0	251.3	250.7
5°	255.1	254.5	253.9	253.9	253.2	253.2	253.2	252.6	252.0	252.0
7.5°	255.1	255.1	254.5	253.9	253.9	253.9	253.9	253.9	253.2	253.2
10°	255.1	254.5	254.5	254.5	253.9	254.5	254.5	253.9	253.9	253.2
12.5°	254.5	254.5	254.5	254.5	254.5	254.5	254.5	254.5	254.5	253.9
15°	253.2	253.9	253.9	254.5	254.5	254.5	255.1	255.1	254.5	254.5
17.5°	252.6	253.2	253.9	254.5	254.5	254.5	255.1	255.1	255.1	255.1
20°	251.3	252.0	252.6	253.2	253.2	253.9	253.9	254.5	254.5	254.5
22.5°	248.8	249.4	250.7	251.3	252.0	252.6	253.2	253.2	253.2	253.2
25°	246.3	247.5	248.2	249.4	250.1	250.7	251.3	251.3	251.3	252.0
27.5°	243.0	244.4	246.3	246.8	247.5	248.2	248.8	249.4	249.4	249.4
30°	239.2	241.1	242.4	243.7	244.4	244.9	245.6	245.6	246.3	246.3
32.5°	234.8	236.7	238.0	239.2	239.9	240.5	241.8	241.8	242.4	242.4
35°	229.1	231.0	232.9	234.1	234.8	235.4	236.7	237.3	237.3	237.3
37.5°	223.4	225.3	227.2	229.1	229.7	230.3	231.6	231.6	232.2	232.2
40°	216.3	218.2	220.1	222.0	222.0	223.4	223.9	224.6	225.3	225.3
42.5°	209.3	211.2	212.5	214.4	215.1	215.7	216.3	217.6	217.6	218.2
45°	201.0	202.9	204.3	206.2	206.8	207.4	208.7	209.3	210.0	210.0
47.5°	192.1	193.4	194.7	196.6	197.9	198.5	199.1	199.8	200.4	199.8
50°	181.9	183.3	185.2	187.1	187.7	188.3	189.6	189.6	190.2	190.2
52.5°	171.1	173.1	174.3	176.2	176.9	177.5	178.8	178.8	179.4	179.4
55°	159.0	160.4	161.6	164.8	165.4	166.1	167.3	167.3	168.0	168.6
57.5°	147.6	148.2	150.1	151.4	152.7	152.7	153.3	154.0	154.6	154.6
60°	135.5	136.2	137.4	139.4	139.4	139.9	141.3	141.3	141.8	141.8
62.5°	122.8	124.1	125.3	127.2	126.7	127.2	128.6	128.6	129.1	129.1
65°	110.1	110.7	112.0	113.3	113.9	113.9	114.5	115.2	115.8	115.8
67.5°	96.7	98.0	98.6	100.5	99.9	100.5	101.2	101.2	101.8	101.8
70°	84.0	84.7	85.9	86.6	86.6	87.1	87.8	87.8	87.8	88.5
72.5°	71.3	71.9	72.5	73.2	73.2	73.8	74.5	74.5	75.1	75.1
75°	57.9	59.2	59.8	61.1	60.4	61.1	62.3	62.3	62.3	62.3
77.5°	46.5	47.1	48.4	49.0	49.0	49.0	50.3	49.6	50.3	50.3
80°	35.0	35.6	36.9	37.5	37.5	38.2	38.8	38.8	38.8	39.4
82.5°	24.8	26.1	27.4	28.0	28.0	28.6	29.3	29.3	29.9	29.9
85°	17.2	18.4	19.8	19.8	20.3	21.0	21.7	21.7	21.7	21.7
87.5°	11.5	12.1	12.7	13.4	14.0	14.0	14.6	14.6	15.3	15.3
90°	6.4	7.0	7.6	8.3	8.3	8.9	8.9	9.5	9.5	9.5
92.5°	8.9	8.9	9.5	10.2	10.2	10.2	10.2	10.8	10.8	10.8
95°	19.1	19.8	19.8	21.0	21.0	21.0	21.7	21.7	21.7	21.7
97.5°	36.9	36.9	36.9	38.2	38.2	38.2	38.8	38.8	38.8	39.4
100°	57.9	58.5	58.5	60.4	59.8	61.1	61.1	61.1	61.1	61.8
102.5°	81.4	82.8	83.3	85.2	85.2	85.2	86.6	85.9	86.6	86.6
105°	106.9	108.1	108.8	110.7	112.0	112.0	113.3	112.6	113.3	113.9
107.5°	132.4	134.3	135.5	137.4	138.7	139.4	139.4	139.9	140.6	141.3
110°	158.4	160.4	163.5	165.4	166.1	167.3	168.0	168.6	169.2	170.5





TEST NUMBER: P395039

CATALOG NUMBER: I3-FL-30L930-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	185.8	187.7	190.2	192.8	192.1	194.1	195.3	196.0	196.6	196.0
115°	210.6	213.1	215.7	218.2	218.2	219.5	222.0	222.7	222.7	223.9
117.5°	234.1	237.3	239.9	242.4	243.0	244.4	246.3	248.2	248.2	249.4
120°	257.1	260.9	263.4	265.9	267.3	267.8	269.8	272.3	272.3	272.3
122.5°	278.7	281.9	285.0	287.6	288.8	290.2	291.4	294.6	294.6	295.9
125°	299.0	302.9	306.0	308.6	309.8	311.2	313.7	315.6	316.2	316.2
127.5°	318.1	322.0	325.1	328.3	328.9	330.3	332.7	335.3	336.0	336.6
130°	336.0	339.8	343.0	346.1	347.4	348.0	351.3	353.2	354.4	355.1
132.5°	351.8	355.7	358.9	362.0	363.3	364.6	366.5	369.7	370.3	370.3
135°	366.5	370.3	373.5	377.3	378.0	379.2	381.8	383.7	385.0	385.6
137.5°	379.9	383.7	387.5	390.7	391.9	392.6	395.2	397.7	399.0	399.6
140°	391.9	395.7	399.6	402.1	402.8	404.7	406.6	409.1	410.4	411.0
142.5°	403.4	406.6	409.8	412.9	413.6	414.8	416.7	419.3	420.6	421.2
145°	413.6	416.7	419.3	421.8	422.5	423.7	425.6	427.5	428.9	429.4
147.5°	423.1	425.6	428.2	430.1	430.8	432.0	433.3	434.6	435.8	436.5
150°	431.4	432.7	435.2	436.5	437.1	438.4	439.7	440.9	442.2	442.8
152.5°	437.7	439.7	440.9	442.8	443.5	444.1	445.4	446.6	448.0	448.0
155°	442.8	444.7	446.0	448.0	448.5	449.2	450.4	451.1	452.4	452.4
157.5°	446.6	448.5	449.9	451.1	451.8	452.4	453.0	454.3	455.6	455.6
160°	451.1	451.8	452.4	453.7	453.7	454.3	454.9	455.6	456.8	456.8
162.5°	454.9	455.6	454.3	454.9	454.3	454.9	455.6	456.2	456.8	456.8
165°	456.2	457.5	456.8	457.5	457.5	457.5	457.5	458.1	458.1	458.1
167.5°	456.2	457.5	456.8	456.8	457.5	457.5	458.1	458.7	458.7	458.7
170°	456.2	456.8	456.2	455.6	456.2	456.2	456.2	456.8	456.8	456.8
172.5°	455.6	456.2	454.9	454.3	454.3	454.3	453.7	453.7	453.0	453.0
175°	454.9	454.9	453.7	453.0	453.0	453.0	451.8	451.1	450.4	449.9
177.5°	454.3	454.3	452.4	451.8	451.8	451.1	451.1	449.9	449.9	449.2
180°	453.0	453.0	453.0	453.0	453.0	453.0	453.0	453.0	453.0	453.0

(END OF REPORT)