

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: P395050

Luminaire Tested: **I3-FL-60L940-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395050
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-60L940-1D-UNV-STD-W-4
Description: CORELITE I3, FROSTED TOP COVER
6000 LUMENS
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

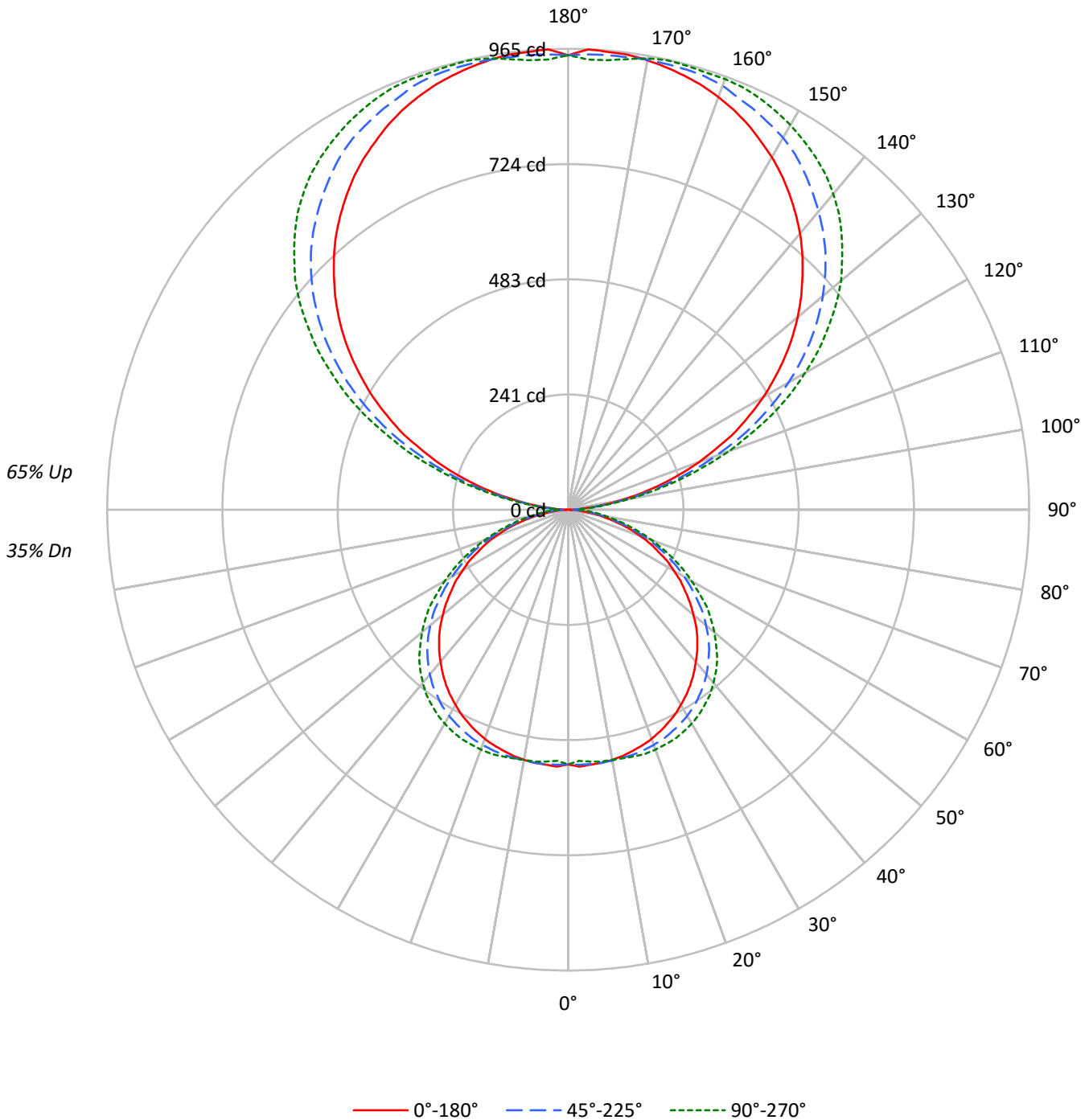
Lumens per Lamp: N/A
Luminaire Lumens: 4900.8 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.43 / 1.49
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 41.3
Input Voltage (V): 120
Input Current (A_{in}): 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°	2931	2931	2931
5°	2946	2883	2838
10°	2947	2843	2804
15°	2940	2819	2793
20°	2941	2794	2789
25°	2933	2769	2778
30°	2923	2743	2753
35°	2909	2699	2712
40°	2879	2642	2653
45°	2850	2561	2572
50°	2785	2448	2445
55°	2704	2293	2300
60°	2614	2112	2077
65°	2485	1893	1845
70°	2308	1614	1559
75°	2009	1283	1239
80°	1568	910	907
85°	849	522	597



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.8	1.0
10°-20°	149.5	3.1
20°-30°	235.8	4.8
30°-40°	296.4	6.0
40°-50°	318.7	6.5
50°-60°	293.1	6.0
60°-70°	224.6	4.6
70°-80°	127.9	2.6
80°-90°	39.9	0.8
90°-100°	53.4	1.1
100°-110°	232.3	4.7
110°-120°	425.2	8.7
120°-130°	548.1	11.2
130°-140°	583.2	11.9
140°-150°	536.6	10.9
150°-160°	425.1	8.7
160°-170°	269.2	5.5
170°-180°	91.1	1.9
0°-30°	436.2	8.9
0°-40°	732.6	14.9
0°-60°	1344.4	27.4
0°-90°	1736.8	35.4
90°-120°	710.9	14.5
90°-150°	2378.7	48.5
90°-180°	3164.0	64.6
0°-180°	4900.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	533	533	533	533	533	
5°	536	531	535	532	529	51
15°	523	520	531	535	535	148
25°	493	494	513	525	529	228
35°	446	452	477	493	498	279
45°	382	392	417	434	441	294
55°	299	311	330	348	354	268
65°	208	215	228	239	243	207
75°	110	112	120	127	131	116
85°	20	25	33	43	46	25
90°	1	4	12	17	20	3
95°	36	35	39	44	46	45
105°	196	206	222	235	239	209
115°	386	404	436	458	470	379
125°	552	576	620	651	664	493
135°	694	716	762	794	810	535
145°	807	824	862	887	902	505
155°	890	901	923	942	950	410
165°	941	941	954	961	962	266
175°	962	956	956	952	945	92
180°	952	952	952	952	952	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	533.2	533.2	533.2	533.2	533.2	533.2	533.2	533.2	533.2	533.2	533.2
2.5°	538.5	537.2	535.9	533.2	533.2	531.9	531.9	531.9	531.9	533.2	534.6
5°	535.9	535.9	534.6	531.9	531.9	530.6	530.6	531.9	530.6	531.9	534.6
7.5°	534.6	534.6	533.2	530.6	530.6	530.6	530.6	530.6	530.6	531.9	534.6
10°	531.9	531.9	529.3	527.9	527.9	527.9	527.9	529.3	529.3	530.6	533.2
12.5°	527.9	526.5	525.2	523.9	523.9	523.9	525.2	526.5	526.5	529.3	531.9
15°	522.6	522.6	521.2	519.9	519.9	519.9	521.2	522.6	523.9	526.5	530.6
17.5°	517.2	517.2	515.8	515.8	515.8	515.8	517.2	518.5	521.2	523.9	527.9
20°	510.6	510.6	509.2	509.2	509.2	510.6	510.6	513.2	515.8	519.9	523.9
22.5°	502.5	502.5	502.5	501.2	502.5	503.8	505.2	507.8	510.6	514.5	519.9
25°	493.2	493.2	493.2	493.2	494.5	494.5	497.1	499.9	502.5	507.8	513.2
27.5°	483.8	483.8	483.8	482.5	485.1	486.4	487.8	491.8	494.5	501.2	506.5
30°	471.8	471.8	471.8	473.1	474.4	475.8	478.4	482.5	485.1	491.8	498.5
32.5°	459.8	459.8	459.8	459.8	463.8	465.1	466.4	470.5	475.8	482.5	489.1
35°	446.4	446.4	446.4	447.7	450.4	451.7	454.4	458.4	463.8	470.5	477.1
37.5°	431.7	433.0	433.0	434.3	437.0	439.6	442.4	446.4	451.7	458.4	465.1
40°	415.6	417.0	417.0	418.3	421.0	423.7	426.3	431.7	437.0	443.7	450.4
42.5°	399.6	401.0	401.0	403.6	406.3	408.9	411.7	417.0	422.3	429.0	434.3
45°	382.3	383.6	383.6	386.2	390.2	391.6	395.6	401.0	406.3	411.7	417.0
47.5°	363.5	364.9	364.9	367.5	371.6	374.2	376.9	382.3	386.2	392.9	398.2
50°	342.2	343.5	344.8	347.5	352.8	355.5	358.1	362.2	367.5	371.6	376.9
52.5°	322.1	322.1	323.4	326.1	330.1	332.8	334.1	338.1	344.8	350.1	355.5
55°	299.3	300.7	302.1	304.7	308.7	311.4	312.8	316.7	320.7	324.8	330.1
57.5°	279.3	279.3	280.6	283.4	287.3	288.7	290.0	292.7	298.0	302.1	306.0
60°	255.3	256.6	257.9	260.6	263.3	266.0	266.0	269.9	274.0	278.0	280.6
62.5°	233.9	233.9	235.2	237.9	239.2	241.9	241.9	245.9	248.6	252.6	255.3
65°	208.5	209.8	211.1	212.5	215.2	215.2	216.5	219.2	221.8	224.5	228.5
67.5°	185.8	185.8	187.1	188.4	189.8	189.8	191.1	193.8	196.5	199.1	201.8
70°	160.4	161.7	161.7	161.7	163.0	164.4	165.7	167.1	169.7	171.0	173.8
72.5°	135.0	135.0	136.3	136.3	137.7	139.0	140.3	141.6	143.0	145.7	147.0
75°	109.6	109.6	110.9	110.9	112.2	112.2	112.2	115.0	116.3	118.9	120.3
77.5°	84.2	85.6	85.6	85.6	86.9	88.2	88.2	89.5	92.2	93.5	94.9
80°	61.5	61.5	61.5	61.5	62.8	64.1	65.5	65.5	68.2	70.8	72.1
82.5°	38.8	38.8	40.1	41.4	41.4	42.7	44.1	45.5	48.1	49.4	50.8
85°	20.0	20.0	21.4	22.7	24.0	25.4	25.4	26.8	29.4	32.1	33.4
87.5°	6.7	8.0	8.0	9.4	10.7	12.0	13.3	14.7	17.4	20.0	21.4
90°	1.3	1.3	1.3	2.6	4.0	4.0	5.4	6.7	8.0	9.4	12.0
92.5°	12.0	12.0	10.7	12.0	12.0	12.0	12.0	13.3	14.7	14.7	17.4
95°	36.1	34.8	34.8	34.8	34.8	34.8	34.8	36.1	37.4	37.4	38.8
97.5°	69.5	69.5	68.2	68.2	69.5	69.5	69.5	70.8	73.5	72.1	74.9
100°	108.3	108.3	106.9	108.3	109.6	110.9	113.6	113.6	116.3	116.3	120.3
102.5°	152.3	152.3	151.0	153.7	155.1	157.7	157.7	160.4	164.4	164.4	169.7
105°	196.5	197.8	197.8	200.4	203.2	205.8	205.8	209.8	215.2	215.2	221.8
107.5°	244.6	245.9	245.9	248.6	251.2	254.0	255.3	260.6	266.0	267.3	275.3
110°	291.3	292.7	294.0	296.7	299.3	303.4	306.0	311.4	318.1	320.7	327.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	335.5	340.7	342.2	346.1	350.1	354.2	356.8	363.5	371.6	375.5	383.6
115°	386.2	388.9	390.2	394.3	399.6	403.6	406.3	413.0	421.0	426.3	435.7
117.5°	427.6	434.3	435.7	439.6	445.0	449.0	451.7	459.8	469.0	475.8	485.1
120°	471.8	477.1	482.5	485.1	489.1	494.5	497.1	505.2	515.8	522.6	533.2
122.5°	511.9	517.2	522.6	526.5	531.9	534.6	538.5	547.9	558.7	566.6	577.3
125°	552.0	558.7	562.6	566.6	573.3	576.0	580.0	589.4	600.1	609.4	620.1
127.5°	590.7	594.7	601.4	604.1	610.8	613.4	617.4	628.2	638.9	648.2	658.9
130°	626.8	632.1	637.5	638.9	646.8	650.9	654.8	664.2	676.2	685.6	696.2
132.5°	661.5	664.2	670.9	674.9	681.6	685.6	689.6	697.7	709.7	719.0	729.7
135°	693.6	696.2	704.3	708.3	712.3	716.3	721.7	729.7	741.7	751.1	761.8
137.5°	725.6	728.4	736.4	740.4	743.0	747.1	751.1	759.1	771.1	780.5	789.8
140°	755.1	757.8	763.1	768.5	771.1	773.8	777.8	785.9	796.6	805.9	815.2
142.5°	781.8	784.5	789.8	795.1	799.2	799.2	803.2	809.9	821.9	831.3	839.3
145°	807.2	808.6	813.9	819.2	824.5	824.5	826.0	832.6	843.3	853.9	862.0
147.5°	831.3	832.6	836.6	841.9	846.0	847.3	850.0	852.6	863.3	874.0	883.4
150°	852.6	853.9	856.7	862.0	864.6	867.4	870.0	871.3	879.4	888.7	899.4
152.5°	871.3	872.7	875.4	879.4	882.0	884.8	887.4	891.4	895.5	904.8	911.4
155°	890.1	891.4	892.7	896.8	899.4	900.7	902.1	907.5	911.4	916.8	923.4
157.5°	906.1	906.1	907.5	910.1	912.8	912.8	914.1	919.5	923.4	928.8	932.8
160°	919.5	919.5	920.8	923.4	923.4	924.9	926.2	930.2	932.8	939.5	944.9
162.5°	931.5	930.2	931.5	932.8	932.8	932.8	934.2	936.9	940.8	946.2	951.5
165°	940.8	940.8	940.8	942.2	942.2	940.8	940.8	943.5	946.2	950.2	954.3
167.5°	948.9	948.9	947.5	948.9	947.5	947.5	946.2	947.5	948.9	952.8	955.6
170°	955.6	954.3	954.3	954.3	952.8	951.5	951.5	951.5	951.5	954.3	956.9
172.5°	960.9	959.6	958.2	958.2	955.6	954.3	954.3	952.8	952.8	954.3	955.6
175°	962.2	960.9	959.6	959.6	956.9	955.6	954.3	954.3	952.8	954.3	955.6
177.5°	964.9	963.5	960.9	960.9	958.2	955.6	955.6	954.3	952.8	954.3	954.3
180°	951.5	951.5	951.5	951.5	951.5	951.5	951.5	951.5	951.5	951.5	951.5



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	533.2	533.2	533.2	533.2	533.2	533.2	533.2	533.2	533.2	533.2
2.5°	535.9	535.9	534.6	533.2	533.2	531.9	530.6	529.3	527.9	526.5
5°	535.9	534.6	533.2	533.2	531.9	531.9	531.9	530.6	529.3	529.3
7.5°	535.9	535.9	534.6	533.2	533.2	533.2	533.2	533.2	531.9	531.9
10°	535.9	534.6	534.6	534.6	533.2	534.6	534.6	533.2	533.2	531.9
12.5°	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6	534.6	533.2
15°	531.9	533.2	533.2	534.6	534.6	534.6	535.9	535.9	534.6	534.6
17.5°	530.6	531.9	533.2	534.6	534.6	534.6	535.9	535.9	535.9	535.9
20°	527.9	529.3	530.6	531.9	531.9	533.2	533.2	534.6	534.6	534.6
22.5°	522.6	523.9	526.5	527.9	529.3	530.6	531.9	531.9	531.9	531.9
25°	517.2	519.9	521.2	523.9	525.2	526.5	527.9	527.9	527.9	529.3
27.5°	510.6	513.2	517.2	518.5	519.9	521.2	522.6	523.9	523.9	523.9
30°	502.5	506.5	509.2	511.9	513.2	514.5	515.8	515.8	517.2	517.2
32.5°	493.2	497.1	499.9	502.5	503.8	505.2	507.8	507.8	509.2	509.2
35°	481.1	485.1	489.1	491.8	493.2	494.5	497.1	498.5	498.5	498.5
37.5°	469.0	473.1	477.1	481.1	482.5	483.8	486.4	486.4	487.8	487.8
40°	454.4	458.4	462.4	466.4	466.4	469.0	470.5	471.8	473.1	473.1
42.5°	439.6	443.7	446.4	450.4	451.7	453.1	454.4	457.0	457.0	458.4
45°	422.3	426.3	429.0	433.0	434.3	435.7	438.3	439.6	441.1	441.1
47.5°	403.6	406.3	408.9	413.0	415.6	417.0	418.3	419.6	421.0	419.6
50°	382.3	384.9	388.9	392.9	394.3	395.6	398.2	398.2	399.6	399.6
52.5°	359.5	363.5	366.2	370.2	371.6	372.9	375.5	375.5	376.9	376.9
55°	334.1	336.8	339.4	346.1	347.5	348.8	351.5	351.5	352.8	354.2
57.5°	310.0	311.4	315.4	318.1	320.7	320.7	322.1	323.4	324.8	324.8
60°	284.7	286.0	288.7	292.7	292.7	294.0	296.7	296.7	298.0	298.0
62.5°	257.9	260.6	263.3	267.3	266.0	267.3	269.9	269.9	271.3	271.3
65°	231.2	232.6	235.2	237.9	239.2	239.2	240.5	241.9	243.3	243.3
67.5°	203.2	205.8	207.2	211.1	209.8	211.1	212.5	212.5	213.9	213.9
70°	176.4	177.7	180.4	181.7	181.7	183.1	184.5	184.5	184.5	185.8
72.5°	149.7	151.0	152.3	153.7	153.7	155.1	156.4	156.4	157.7	157.7
75°	121.6	124.3	125.7	128.3	127.0	128.3	130.9	130.9	130.9	130.9
77.5°	97.6	98.9	101.5	102.9	102.9	102.9	105.6	104.3	105.6	105.6
80°	73.5	74.9	77.5	78.9	78.9	80.2	81.5	81.5	81.5	82.8
82.5°	52.1	54.8	57.5	58.8	58.8	60.1	61.5	61.5	62.8	62.8
85°	36.1	38.8	41.4	41.4	42.7	44.1	45.5	45.5	45.5	45.5
87.5°	24.0	25.4	26.8	28.1	29.4	29.4	30.7	30.7	32.1	32.1
90°	13.3	14.7	16.1	17.4	17.4	18.7	18.7	20.0	20.0	20.0
92.5°	18.7	18.7	20.0	21.4	21.4	21.4	21.4	22.7	22.7	22.7
95°	40.1	41.4	41.4	44.1	44.1	44.1	45.5	45.5	45.5	45.5
97.5°	77.5	77.5	77.5	80.2	80.2	80.2	81.5	81.5	81.5	82.8
100°	121.6	122.9	122.9	127.0	125.7	128.3	128.3	128.3	128.3	129.6
102.5°	171.0	173.8	175.1	179.1	179.1	179.1	181.7	180.4	181.7	181.7
105°	224.5	227.2	228.5	232.6	235.2	235.2	237.9	236.6	237.9	239.2
107.5°	278.0	282.0	284.7	288.7	291.3	292.7	292.7	294.0	295.4	296.7
110°	332.8	336.8	343.5	347.5	348.8	351.5	352.8	354.2	355.5	358.1



TEST NUMBER: P395050

CATALOG NUMBER: I3-FL-60L940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	390.2	394.3	399.6	404.9	403.6	407.6	410.3	411.7	413.0	411.7
115°	442.4	447.7	453.1	458.4	458.4	461.1	466.4	467.7	467.7	470.5
117.5°	491.8	498.5	503.8	509.2	510.6	513.2	517.2	521.2	521.2	523.9
120°	540.0	547.9	553.3	558.7	561.3	562.6	566.6	572.0	572.0	572.0
122.5°	585.3	592.1	598.8	604.1	606.7	609.4	612.1	618.8	618.8	621.5
125°	628.2	636.1	642.8	648.2	650.9	653.5	658.9	662.9	664.2	664.2
127.5°	668.3	676.2	682.9	689.6	690.9	693.6	699.0	704.3	705.6	707.0
130°	705.6	713.6	720.4	727.1	729.7	731.0	737.7	741.7	744.4	745.7
132.5°	739.1	747.1	753.7	760.4	763.1	765.7	769.8	776.5	777.8	777.8
135°	769.8	777.8	784.5	792.5	793.8	796.6	801.9	805.9	808.6	809.9
137.5°	797.9	805.9	813.9	820.6	823.2	824.5	829.9	835.3	838.0	839.3
140°	823.2	831.3	839.3	844.6	846.0	850.0	853.9	859.3	862.0	863.3
142.5°	847.3	853.9	860.7	867.4	868.7	871.3	875.4	880.7	883.4	884.8
145°	868.7	875.4	880.7	886.1	887.4	890.1	894.0	898.1	900.7	902.1
147.5°	888.7	894.0	899.4	903.4	904.8	907.5	910.1	912.8	915.5	916.8
150°	906.1	908.8	914.1	916.8	918.1	920.8	923.4	926.2	928.8	930.2
152.5°	919.5	923.4	926.2	930.2	931.5	932.8	935.5	938.2	940.8	940.8
155°	930.2	934.2	936.9	940.8	942.2	943.5	946.2	947.5	950.2	950.2
157.5°	938.2	942.2	944.9	947.5	948.9	950.2	951.5	954.3	956.9	956.9
160°	947.5	948.9	950.2	952.8	952.8	954.3	955.6	956.9	959.6	959.6
162.5°	955.6	956.9	954.3	955.6	954.3	955.6	956.9	958.2	959.6	959.6
165°	958.2	960.9	959.6	960.9	960.9	960.9	960.9	962.2	962.2	962.2
167.5°	958.2	960.9	959.6	959.6	960.9	960.9	962.2	963.5	963.5	963.5
170°	958.2	959.6	958.2	956.9	958.2	958.2	958.2	959.6	959.6	959.6
172.5°	956.9	958.2	955.6	954.3	954.3	954.3	952.8	952.8	951.5	951.5
175°	955.6	955.6	952.8	951.5	951.5	951.5	948.9	947.5	946.2	944.9
177.5°	954.3	954.3	950.2	948.9	948.9	947.5	947.5	944.9	944.9	943.5
180°	951.5	951.5	951.5	951.5	951.5	951.5	951.5	951.5	951.5	951.5

(END OF REPORT)