

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: P395049

Luminaire Tested: **I3-FL-60L935-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395049
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-60L935-1D-UNV-STD-W-4
Description: CORELITE I3, FROSTED TOP COVER
6000 LUMENS
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4778.7 lumens
Efficiency: N/A
Efficacy: 115.7 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

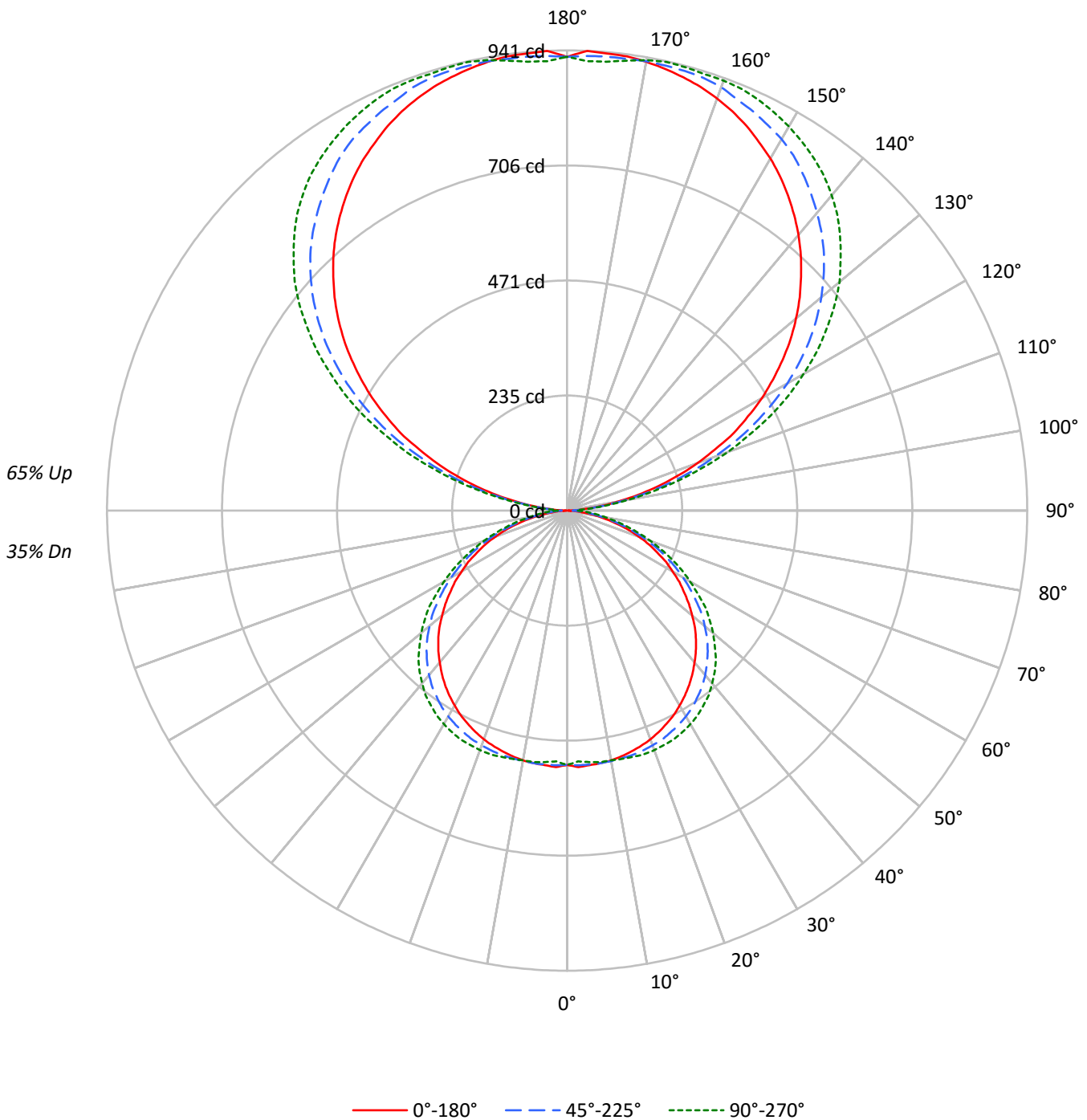
Input Watts (W): 41.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395049

CATALOG NUMBER: I3-FL-60L935-1D-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°	2858	2858	2858
5°	2872	2810	2767
10°	2873	2772	2734
15°	2867	2748	2723
20°	2867	2724	2719
25°	2860	2700	2709
30°	2850	2674	2684
35°	2836	2632	2644
40°	2808	2577	2586
45°	2779	2497	2507
50°	2715	2387	2384
55°	2637	2235	2242
60°	2548	2060	2025
65°	2423	1846	1799
70°	2250	1573	1520
75°	1959	1251	1209
80°	1527	887	885
85°	827	508	581



TEST NUMBER: P395049

CATALOG NUMBER: I3-FL-60L935-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.6	1.0
10°-20°	145.8	3.1
20°-30°	229.9	4.8
30°-40°	289.0	6.0
40°-50°	310.7	6.5
50°-60°	285.8	6.0
60°-70°	219.0	4.6
70°-80°	124.7	2.6
80°-90°	38.9	0.8
90°-100°	52.1	1.1
100°-110°	226.5	4.7
110°-120°	414.6	8.7
120°-130°	534.4	11.2
130°-140°	568.7	11.9
140°-150°	523.2	10.9
150°-160°	414.5	8.7
160°-170°	262.5	5.5
170°-180°	88.9	1.9
0°-30°	425.3	8.9
0°-40°	714.3	14.9
0°-60°	1310.9	27.4
0°-90°	1693.5	35.4
90°-120°	693.2	14.5
90°-150°	2319.4	48.5
90°-180°	3085.0	64.6
0°-180°	4778.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	520	520	520	520	520	
5°	522	517	521	519	516	50
15°	510	507	517	521	521	144
25°	481	482	500	512	516	222
35°	435	440	465	481	486	272
45°	373	382	407	424	430	287
55°	292	304	322	339	345	262
65°	203	210	223	233	237	202
75°	107	109	117	124	128	113
85°	20	25	32	42	44	25
90°	1	4	12	17	20	3
95°	35	34	38	43	44	44
105°	192	201	216	229	233	204
115°	377	394	425	447	459	369
125°	538	562	605	635	648	481
135°	676	698	743	774	790	522
145°	787	804	840	865	880	493
155°	868	878	900	919	926	400
165°	917	917	930	937	938	259
175°	938	932	932	928	921	89
180°	928	928	928	928	928	



TEST NUMBER: P395049

CATALOG NUMBER: I3-FL-60L935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	520.0	520.0	520.0	520.0	520.0	520.0	520.0	520.0	520.0	520.0	520.0
2.5°	525.1	523.8	522.5	520.0	520.0	518.7	518.7	518.7	518.7	520.0	521.2
5°	522.5	522.5	521.2	518.7	518.7	517.4	517.4	518.7	517.4	518.7	521.2
7.5°	521.2	521.2	520.0	517.4	517.4	517.4	517.4	517.4	517.4	518.7	521.2
10°	518.7	518.7	516.1	514.7	514.7	514.7	514.7	516.1	516.1	517.4	520.0
12.5°	514.7	513.4	512.1	510.8	510.8	510.8	512.1	513.4	513.4	516.1	518.7
15°	509.5	509.5	508.2	507.0	507.0	507.0	508.2	509.5	510.8	513.4	517.4
17.5°	504.3	504.3	503.0	503.0	503.0	503.0	504.3	505.6	508.2	510.8	514.7
20°	497.8	497.8	496.5	496.5	496.5	497.8	497.8	500.4	503.0	507.0	510.8
22.5°	490.0	490.0	490.0	488.7	490.0	491.3	492.6	495.2	497.8	501.7	507.0
25°	480.9	480.9	480.9	480.9	482.2	482.2	484.7	487.4	490.0	495.2	500.4
27.5°	471.7	471.7	471.7	470.5	473.0	474.3	475.6	479.6	482.2	488.7	493.9
30°	460.0	460.0	460.0	461.3	462.6	463.9	466.5	470.5	473.0	479.6	486.0
32.5°	448.3	448.3	448.3	448.3	452.2	453.5	454.8	458.7	463.9	470.5	476.9
35°	435.2	435.2	435.2	436.5	439.2	440.5	443.1	446.9	452.2	458.7	465.2
37.5°	420.9	422.2	422.2	423.5	426.1	428.7	431.4	435.2	440.5	446.9	453.5
40°	405.3	406.6	406.6	407.9	410.5	413.1	415.7	420.9	426.1	432.7	439.2
42.5°	389.6	391.0	391.0	393.6	396.1	398.7	401.4	406.6	411.8	418.3	423.5
45°	372.7	374.0	374.0	376.6	380.5	381.9	385.7	391.0	396.1	401.4	406.6
47.5°	354.5	355.8	355.8	358.3	362.3	364.9	367.5	372.7	376.6	383.1	388.3
50°	333.6	334.9	336.2	338.8	344.1	346.6	349.2	353.2	358.3	362.3	367.5
52.5°	314.1	314.1	315.4	318.0	321.8	324.5	325.8	329.7	336.2	341.4	346.6
55°	291.9	293.2	294.5	297.1	301.0	303.7	305.0	308.8	312.7	316.7	321.8
57.5°	272.3	272.3	273.6	276.3	280.2	281.5	282.8	285.4	290.6	294.5	298.4
60°	248.9	250.2	251.5	254.1	256.8	259.3	259.3	263.2	267.2	271.0	273.6
62.5°	228.1	228.1	229.4	232.0	233.2	235.8	235.8	239.8	242.4	246.3	248.9
65°	203.3	204.6	205.9	207.2	209.8	209.8	211.1	213.7	216.3	219.0	222.8
67.5°	181.2	181.2	182.4	183.7	185.0	185.0	186.3	189.0	191.6	194.2	196.7
70°	156.4	157.6	157.6	157.6	158.9	160.3	161.6	162.9	165.5	166.8	169.4
72.5°	131.6	131.6	132.9	132.9	134.2	135.5	136.8	138.1	139.4	142.1	143.4
75°	106.9	106.9	108.1	108.1	109.4	109.4	109.4	112.1	113.4	116.0	117.3
77.5°	82.1	83.4	83.4	83.4	84.7	86.0	86.0	87.3	89.9	91.2	92.6
80°	59.9	59.9	59.9	59.9	61.2	62.5	63.9	63.9	66.5	69.1	70.3
82.5°	37.8	37.8	39.1	40.4	40.4	41.7	43.0	44.3	46.9	48.2	49.5
85°	19.5	19.5	20.8	22.1	23.4	24.8	24.8	26.1	28.7	31.3	32.5
87.5°	6.5	7.8	7.8	9.1	10.4	11.7	13.0	14.3	17.0	19.5	20.8
90°	1.3	1.3	1.3	2.6	3.9	3.9	5.3	6.5	7.8	9.1	11.7
92.5°	11.7	11.7	10.4	11.7	11.7	11.7	11.7	13.0	14.3	14.3	17.0
95°	35.2	33.9	33.9	33.9	33.9	33.9	33.9	35.2	36.5	36.5	37.8
97.5°	67.8	67.8	66.5	66.5	67.8	67.8	67.8	69.1	71.6	70.3	73.0
100°	105.6	105.6	104.3	105.6	106.9	108.1	110.7	110.7	113.4	113.4	117.3
102.5°	148.5	148.5	147.2	149.9	151.2	153.8	153.8	156.4	160.3	160.3	165.5
105°	191.6	192.9	192.9	195.4	198.1	200.7	200.7	204.6	209.8	209.8	216.3
107.5°	238.5	239.8	239.8	242.4	245.0	247.6	248.9	254.1	259.3	260.6	268.5
110°	284.0	285.4	286.7	289.3	291.9	295.8	298.4	303.7	310.1	312.7	319.3



TEST NUMBER: P395049

CATALOG NUMBER: I3-FL-60L935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	327.1	332.3	333.6	337.5	341.4	345.3	347.9	354.5	362.3	366.2	374.0
115°	376.6	379.2	380.5	384.4	389.6	393.6	396.1	402.7	410.5	415.7	424.8
117.5°	417.0	423.5	424.8	428.7	433.9	437.8	440.5	448.3	457.4	463.9	473.0
120°	460.0	465.2	470.5	473.0	476.9	482.2	484.7	492.6	503.0	509.5	520.0
122.5°	499.1	504.3	509.5	513.4	518.7	521.2	525.1	534.3	544.8	552.5	562.9
125°	538.2	544.8	548.6	552.5	559.0	561.6	565.6	574.7	585.1	594.3	604.7
127.5°	576.0	579.9	586.4	589.0	595.6	598.1	602.0	612.5	622.9	632.1	642.5
130°	611.1	616.4	621.6	622.9	630.7	634.6	638.5	647.6	659.4	668.5	678.9
132.5°	645.1	647.6	654.2	658.1	664.6	668.5	672.4	680.3	692.0	701.1	711.5
135°	676.3	678.9	686.7	690.7	694.6	698.4	703.7	711.5	723.2	732.4	742.8
137.5°	707.6	710.2	718.1	721.9	724.5	728.5	732.4	740.2	751.9	761.0	770.2
140°	736.2	738.9	744.1	749.3	751.9	754.5	758.5	766.3	776.7	785.8	794.9
142.5°	762.3	764.9	770.2	775.3	779.3	779.3	783.2	789.7	801.4	810.5	818.4
145°	787.1	788.4	793.6	798.8	804.0	804.0	805.4	811.8	822.3	832.7	840.5
147.5°	810.5	811.8	815.8	821.0	824.9	826.2	828.8	831.4	841.8	852.2	861.3
150°	831.4	832.7	835.3	840.5	843.1	845.8	848.3	849.6	857.5	866.6	877.0
152.5°	849.6	850.9	853.6	857.5	860.1	862.7	865.3	869.2	873.1	882.3	888.7
155°	867.9	869.2	870.5	874.4	877.0	878.3	879.6	884.8	888.7	894.0	900.4
157.5°	883.6	883.6	884.8	887.4	890.0	890.0	891.3	896.6	900.4	905.7	909.6
160°	896.6	896.6	897.9	900.4	900.4	901.8	903.1	907.0	909.6	916.1	921.4
162.5°	908.3	907.0	908.3	909.6	909.6	909.6	910.9	913.5	917.4	922.6	927.8
165°	917.4	917.4	917.4	918.7	918.7	917.4	917.4	920.0	922.6	926.5	930.5
167.5°	925.2	925.2	923.9	925.2	923.9	923.9	922.6	923.9	925.2	929.1	931.8
170°	931.8	930.5	930.5	930.5	929.1	927.8	927.8	927.8	927.8	930.5	933.1
172.5°	936.9	935.6	934.4	934.4	931.8	930.5	930.5	929.1	929.1	930.5	931.8
175°	938.2	936.9	935.6	935.6	933.1	931.8	930.5	930.5	929.1	930.5	931.8
177.5°	940.9	939.5	936.9	936.9	934.4	931.8	931.8	930.5	929.1	930.5	930.5
180°	927.8	927.8	927.8	927.8	927.8	927.8	927.8	927.8	927.8	927.8	927.8



TEST NUMBER: P395049

CATALOG NUMBER: I3-FL-60L935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	520.0	520.0	520.0	520.0	520.0	520.0	520.0	520.0	520.0	520.0
2.5°	522.5	522.5	521.2	520.0	520.0	518.7	517.4	516.1	514.7	513.4
5°	522.5	521.2	520.0	520.0	518.7	518.7	518.7	517.4	516.1	516.1
7.5°	522.5	522.5	521.2	520.0	520.0	520.0	520.0	520.0	518.7	518.7
10°	522.5	521.2	521.2	521.2	520.0	521.2	521.2	520.0	520.0	518.7
12.5°	521.2	521.2	521.2	521.2	521.2	521.2	521.2	521.2	521.2	520.0
15°	518.7	520.0	520.0	521.2	521.2	521.2	522.5	522.5	521.2	521.2
17.5°	517.4	518.7	520.0	521.2	521.2	521.2	522.5	522.5	522.5	522.5
20°	514.7	516.1	517.4	518.7	518.7	520.0	520.0	521.2	521.2	521.2
22.5°	509.5	510.8	513.4	514.7	516.1	517.4	518.7	518.7	518.7	518.7
25°	504.3	507.0	508.2	510.8	512.1	513.4	514.7	514.7	514.7	516.1
27.5°	497.8	500.4	504.3	505.6	507.0	508.2	509.5	510.8	510.8	510.8
30°	490.0	493.9	496.5	499.1	500.4	501.7	503.0	503.0	504.3	504.3
32.5°	480.9	484.7	487.4	490.0	491.3	492.6	495.2	495.2	496.5	496.5
35°	469.2	473.0	476.9	479.6	480.9	482.2	484.7	486.0	486.0	486.0
37.5°	457.4	461.3	465.2	469.2	470.5	471.7	474.3	474.3	475.6	475.6
40°	443.1	446.9	450.9	454.8	454.8	457.4	458.7	460.0	461.3	461.3
42.5°	428.7	432.7	435.2	439.2	440.5	441.8	443.1	445.7	445.7	446.9
45°	411.8	415.7	418.3	422.2	423.5	424.8	427.4	428.7	430.1	430.1
47.5°	393.6	396.1	398.7	402.7	405.3	406.6	407.9	409.1	410.5	409.1
50°	372.7	375.3	379.2	383.1	384.4	385.7	388.3	388.3	389.6	389.6
52.5°	350.5	354.5	357.1	360.9	362.3	363.6	366.2	366.2	367.5	367.5
55°	325.8	328.4	331.0	337.5	338.8	340.1	342.8	342.8	344.1	345.3
57.5°	302.3	303.7	307.5	310.1	312.7	312.7	314.1	315.4	316.7	316.7
60°	277.6	278.9	281.5	285.4	285.4	286.7	289.3	289.3	290.6	290.6
62.5°	251.5	254.1	256.8	260.6	259.3	260.6	263.2	263.2	264.5	264.5
65°	225.4	226.8	229.4	232.0	233.2	233.2	234.5	235.8	237.2	237.2
67.5°	198.1	200.7	202.0	205.9	204.6	205.9	207.2	207.2	208.5	208.5
70°	172.0	173.3	175.9	177.2	177.2	178.6	179.9	179.9	179.9	181.2
72.5°	145.9	147.2	148.5	149.9	149.9	151.2	152.5	152.5	153.8	153.8
75°	118.6	121.2	122.5	125.1	123.8	125.1	127.7	127.7	127.7	127.7
77.5°	95.1	96.4	99.0	100.3	100.3	100.3	103.0	101.7	103.0	103.0
80°	71.6	73.0	75.6	76.9	76.9	78.2	79.5	79.5	79.5	80.8
82.5°	50.8	53.5	56.1	57.3	57.3	58.6	59.9	59.9	61.2	61.2
85°	35.2	37.8	40.4	40.4	41.7	43.0	44.3	44.3	44.3	44.3
87.5°	23.4	24.8	26.1	27.4	28.7	28.7	30.0	30.0	31.3	31.3
90°	13.0	14.3	15.7	17.0	17.0	18.3	18.3	19.5	19.5	19.5
92.5°	18.3	18.3	19.5	20.8	20.8	20.8	20.8	22.1	22.1	22.1
95°	39.1	40.4	40.4	43.0	43.0	43.0	44.3	44.3	44.3	44.3
97.5°	75.6	75.6	75.6	78.2	78.2	78.2	79.5	79.5	79.5	80.8
100°	118.6	119.9	119.9	123.8	122.5	125.1	125.1	125.1	125.1	126.4
102.5°	166.8	169.4	170.7	174.6	174.6	174.6	177.2	175.9	177.2	177.2
105°	219.0	221.5	222.8	226.8	229.4	229.4	232.0	230.7	232.0	233.2
107.5°	271.0	275.0	277.6	281.5	284.0	285.4	285.4	286.7	288.0	289.3
110°	324.5	328.4	334.9	338.8	340.1	342.8	344.1	345.3	346.6	349.2



TEST NUMBER: P395049

CATALOG NUMBER: I3-FL-60L935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	380.5	384.4	389.6	394.9	393.6	397.4	400.1	401.4	402.7	401.4
115°	431.4	436.5	441.8	446.9	446.9	449.6	454.8	456.1	456.1	458.7
117.5°	479.6	486.0	491.3	496.5	497.8	500.4	504.3	508.2	508.2	510.8
120°	526.5	534.3	539.5	544.8	547.3	548.6	552.5	557.8	557.8	557.8
122.5°	570.8	577.3	583.8	589.0	591.6	594.3	596.8	603.4	603.4	606.0
125°	612.5	620.3	626.8	632.1	634.6	637.2	642.5	646.4	647.6	647.6
127.5°	651.6	659.4	665.9	672.4	673.7	676.3	681.6	686.7	688.0	689.4
130°	688.0	695.9	702.4	708.9	711.5	712.8	719.4	723.2	725.8	727.1
132.5°	720.7	728.5	734.9	741.5	744.1	746.7	750.6	757.2	758.5	758.5
135°	750.6	758.5	764.9	772.7	774.0	776.7	781.9	785.8	788.4	789.7
137.5°	778.0	785.8	793.6	800.1	802.7	804.0	809.3	814.5	817.1	818.4
140°	802.7	810.5	818.4	823.5	824.9	828.8	832.7	837.9	840.5	841.8
142.5°	826.2	832.7	839.2	845.8	847.1	849.6	853.6	858.8	861.3	862.7
145°	847.1	853.6	858.8	864.0	865.3	867.9	871.8	875.7	878.3	879.6
147.5°	866.6	871.8	877.0	880.9	882.3	884.8	887.4	890.0	892.7	894.0
150°	883.6	886.1	891.3	894.0	895.3	897.9	900.4	903.1	905.7	907.0
152.5°	896.6	900.4	903.1	907.0	908.3	909.6	912.2	914.8	917.4	917.4
155°	907.0	910.9	913.5	917.4	918.7	920.0	922.6	923.9	926.5	926.5
157.5°	914.8	918.7	921.4	923.9	925.2	926.5	927.8	930.5	933.1	933.1
160°	923.9	925.2	926.5	929.1	929.1	930.5	931.8	933.1	935.6	935.6
162.5°	931.8	933.1	930.5	931.8	930.5	931.8	933.1	934.4	935.6	935.6
165°	934.4	936.9	935.6	936.9	936.9	936.9	936.9	938.2	938.2	938.2
167.5°	934.4	936.9	935.6	935.6	936.9	936.9	938.2	939.5	939.5	939.5
170°	934.4	935.6	934.4	933.1	934.4	934.4	934.4	935.6	935.6	935.6
172.5°	933.1	934.4	931.8	930.5	930.5	930.5	929.1	929.1	927.8	927.8
175°	931.8	931.8	929.1	927.8	927.8	927.8	925.2	923.9	922.6	921.4
177.5°	930.5	930.5	926.5	925.2	925.2	923.9	923.9	921.4	921.4	920.0
180°	927.8	927.8	927.8	927.8	927.8	927.8	927.8	927.8	927.8	927.8

(END OF REPORT)