

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: P395048

Luminaire Tested: **I3-FL-60L930-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395048
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-60L930-1D-UNV-STD-W-4
Description: CORELITE I3, FROSTED TOP COVER
6000 LUMENS
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4606.6 lumens
Efficiency: N/A
Efficacy: 111.5 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

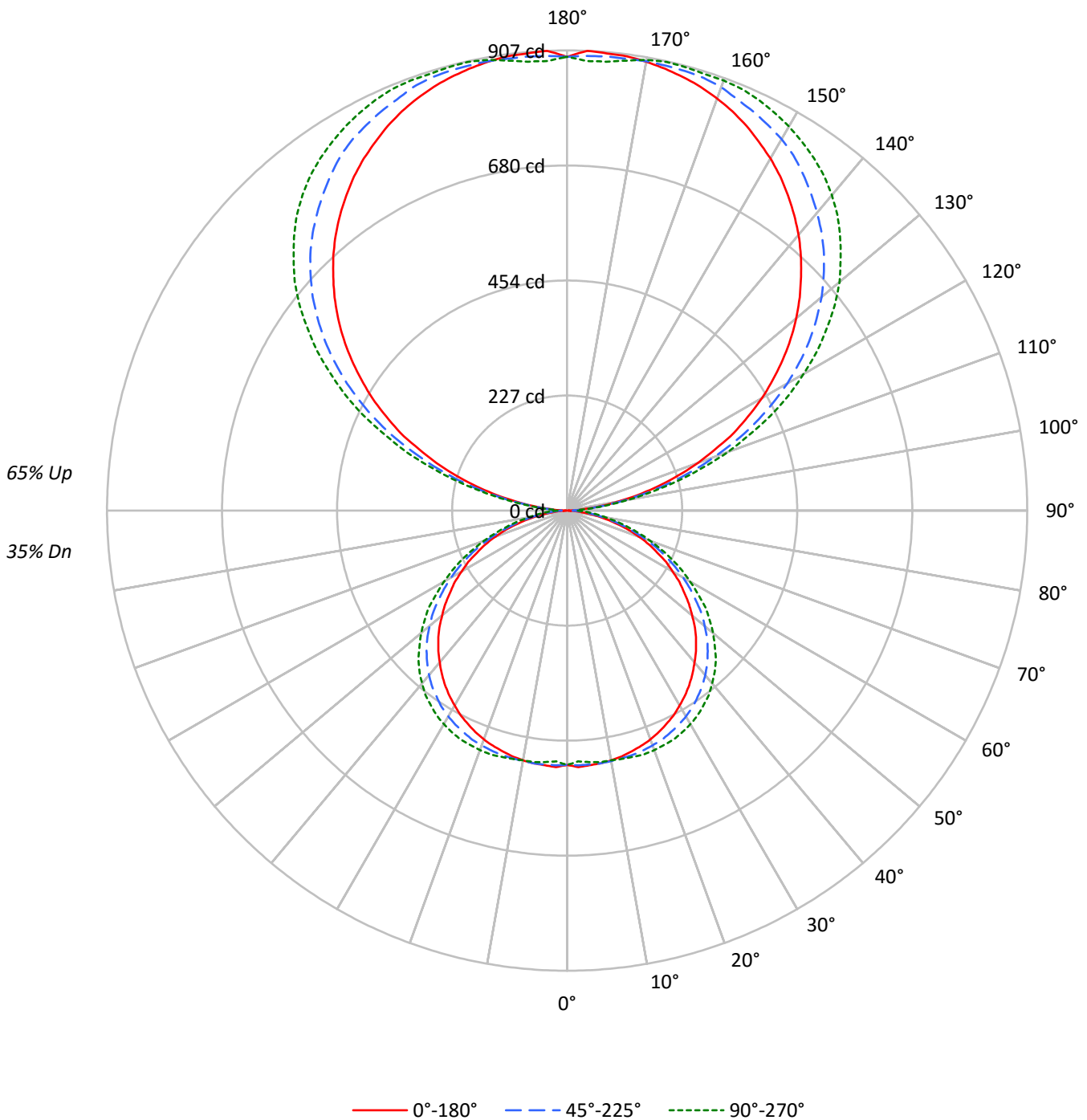
Input Watts (W): 41.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2755	2755	2755
5°	2769	2710	2667
10°	2770	2672	2636
15°	2764	2649	2625
20°	2764	2626	2621
25°	2757	2603	2611
30°	2747	2578	2587
35°	2734	2537	2549
40°	2707	2484	2493
45°	2679	2407	2417
50°	2617	2300	2299
55°	2542	2155	2161
60°	2457	1986	1952
65°	2336	1779	1735
70°	2168	1517	1465
75°	1888	1205	1165
80°	1474	856	853
85°	798	490	560



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	1.0
10°-20°	140.6	3.1
20°-30°	221.7	4.8
30°-40°	278.6	6.0
40°-50°	299.5	6.5
50°-60°	275.5	6.0
60°-70°	211.1	4.6
70°-80°	120.2	2.6
80°-90°	37.5	0.8
90°-100°	50.2	1.1
100°-110°	218.3	4.7
110°-120°	399.7	8.7
120°-130°	515.2	11.2
130°-140°	548.2	11.9
140°-150°	504.3	10.9
150°-160°	399.6	8.7
160°-170°	253.0	5.5
170°-180°	85.7	1.9
0°-30°	410.0	8.9
0°-40°	688.6	14.9
0°-60°	1263.7	27.4
0°-90°	1632.5	35.4
90°-120°	668.2	14.5
90°-150°	2235.9	48.5
90°-180°	2974.0	64.6
0°-180°	4606.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	501	501	501	501	501	
5°	504	499	502	500	498	48
15°	491	489	499	502	502	139
25°	464	465	482	494	498	214
35°	420	425	448	464	468	262
45°	359	368	392	408	415	277
55°	281	293	310	327	333	252
65°	196	202	215	225	229	194
75°	103	106	113	119	123	109
85°	19	24	31	40	43	24
90°	1	4	11	16	19	3
95°	34	33	36	41	43	42
105°	185	194	208	221	225	197
115°	363	379	410	431	442	356
125°	519	541	583	612	624	463
135°	652	673	716	746	761	503
145°	759	775	810	834	848	475
155°	837	847	868	886	893	386
165°	884	884	897	903	904	250
175°	904	898	898	894	888	86
180°	894	894	894	894	894	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	501.2	501.2	501.2	501.2	501.2	501.2	501.2	501.2	501.2	501.2	501.2
2.5°	506.2	505.0	503.7	501.2	501.2	500.0	500.0	500.0	500.0	501.2	502.5
5°	503.7	503.7	502.5	500.0	500.0	498.7	498.7	500.0	498.7	500.0	502.5
7.5°	502.5	502.5	501.2	498.7	498.7	498.7	498.7	498.7	498.7	500.0	502.5
10°	500.0	500.0	497.5	496.2	496.2	496.2	496.2	497.5	497.5	498.7	501.2
12.5°	496.2	494.9	493.7	492.4	492.4	492.4	493.7	494.9	494.9	497.5	500.0
15°	491.2	491.2	489.9	488.7	488.7	488.7	489.9	491.2	492.4	494.9	498.7
17.5°	486.1	486.1	484.9	484.9	484.9	484.9	486.1	487.4	489.9	492.4	496.2
20°	479.9	479.9	478.7	478.7	478.7	479.9	479.9	482.4	484.9	488.7	492.4
22.5°	472.4	472.4	472.4	471.1	472.4	473.6	474.8	477.3	479.9	483.6	488.7
25°	463.6	463.6	463.6	463.6	464.8	464.8	467.3	469.9	472.4	477.3	482.4
27.5°	454.8	454.8	454.8	453.5	456.0	457.2	458.5	462.3	464.8	471.1	476.1
30°	443.5	443.5	443.5	444.7	446.0	447.2	449.7	453.5	456.0	462.3	468.5
32.5°	432.2	432.2	432.2	432.2	435.9	437.2	438.4	442.2	447.2	453.5	459.7
35°	419.6	419.6	419.6	420.8	423.4	424.6	427.1	430.9	435.9	442.2	448.4
37.5°	405.8	407.0	407.0	408.3	410.8	413.3	415.8	419.6	424.6	430.9	437.2
40°	390.7	391.9	391.9	393.2	395.7	398.2	400.7	405.8	410.8	417.1	423.4
42.5°	375.6	376.9	376.9	379.4	381.9	384.4	386.9	391.9	397.0	403.2	408.3
45°	359.3	360.6	360.6	363.0	366.8	368.1	371.8	376.9	381.9	386.9	391.9
47.5°	341.7	343.0	343.0	345.4	349.3	351.8	354.2	359.3	363.0	369.3	374.3
50°	321.6	322.9	324.1	326.6	331.7	334.2	336.6	340.5	345.4	349.3	354.2
52.5°	302.8	302.8	304.0	306.5	310.3	312.8	314.1	317.8	324.1	329.1	334.2
55°	281.4	282.6	283.9	286.4	290.2	292.7	294.0	297.7	301.5	305.3	310.3
57.5°	262.5	262.5	263.8	266.3	270.1	271.3	272.6	275.1	280.1	283.9	287.7
60°	240.0	241.2	242.4	244.9	247.5	250.0	250.0	253.7	257.5	261.3	263.8
62.5°	219.9	219.9	221.1	223.6	224.8	227.3	227.3	231.2	233.6	237.5	240.0
65°	196.0	197.2	198.5	199.8	202.3	202.3	203.5	206.0	208.5	211.1	214.8
67.5°	174.6	174.6	175.9	177.1	178.4	178.4	179.6	182.2	184.7	187.2	189.7
70°	150.7	152.0	152.0	152.0	153.2	154.5	155.8	157.0	159.5	160.8	163.3
72.5°	126.9	126.9	128.2	128.2	129.4	130.6	131.9	133.1	134.4	137.0	138.2
75°	103.0	103.0	104.2	104.2	105.5	105.5	105.5	108.1	109.3	111.8	113.0
77.5°	79.2	80.4	80.4	80.4	81.7	82.9	82.9	84.2	86.7	87.9	89.2
80°	57.8	57.8	57.8	57.8	59.0	60.3	61.6	61.6	64.1	66.6	67.8
82.5°	36.4	36.4	37.7	38.9	38.9	40.2	41.4	42.7	45.2	46.5	47.7
85°	18.8	18.8	20.1	21.3	22.6	23.9	23.9	25.1	27.6	30.1	31.4
87.5°	6.3	7.6	7.6	8.8	10.0	11.3	12.5	13.8	16.4	18.8	20.1
90°	1.2	1.2	1.2	2.5	3.7	3.7	5.1	6.3	7.6	8.8	11.3
92.5°	11.3	11.3	10.0	11.3	11.3	11.3	11.3	12.5	13.8	13.8	16.4
95°	33.9	32.7	32.7	32.7	32.7	32.7	32.7	33.9	35.2	35.2	36.4
97.5°	65.3	65.3	64.1	64.1	65.3	65.3	65.3	66.6	69.1	67.8	70.4
100°	101.8	101.8	100.5	101.8	103.0	104.2	106.7	106.7	109.3	109.3	113.0
102.5°	143.2	143.2	141.9	144.5	145.7	148.2	148.2	150.7	154.5	154.5	159.5
105°	184.7	185.9	185.9	188.4	191.0	193.5	193.5	197.2	202.3	202.3	208.5
107.5°	229.9	231.2	231.2	233.6	236.1	238.7	240.0	244.9	250.0	251.2	258.8
110°	273.8	275.1	276.4	278.9	281.4	285.2	287.7	292.7	299.0	301.5	307.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	315.3	320.3	321.6	325.4	329.1	332.9	335.4	341.7	349.3	353.0	360.6
115°	363.0	365.5	366.8	370.6	375.6	379.4	381.9	388.2	395.7	400.7	409.5
117.5°	402.0	408.3	409.5	413.3	418.3	422.1	424.6	432.2	440.9	447.2	456.0
120°	443.5	448.4	453.5	456.0	459.7	464.8	467.3	474.8	484.9	491.2	501.2
122.5°	481.2	486.1	491.2	494.9	500.0	502.5	506.2	515.0	525.1	532.6	542.7
125°	518.8	525.1	528.9	532.6	538.9	541.4	545.2	554.0	564.1	572.9	582.9
127.5°	555.3	559.0	565.3	567.8	574.1	576.6	580.3	590.5	600.5	609.3	619.3
130°	589.1	594.2	599.3	600.5	608.0	611.8	615.5	624.3	635.6	644.4	654.5
132.5°	621.8	624.3	630.6	634.4	640.7	644.4	648.2	655.8	667.1	675.9	685.9
135°	652.0	654.5	662.0	665.8	669.6	673.3	678.4	685.9	697.2	706.0	716.0
137.5°	682.1	684.7	692.2	696.0	698.4	702.3	706.0	713.6	724.8	733.6	742.4
140°	709.7	712.3	717.3	722.3	724.8	727.3	731.1	738.7	748.7	757.5	766.3
142.5°	734.9	737.4	742.4	747.4	751.2	751.2	755.0	761.3	772.6	781.4	788.9
145°	758.8	760.0	765.0	770.1	775.1	775.1	776.4	782.6	792.6	802.7	810.2
147.5°	781.4	782.6	786.4	791.4	795.2	796.5	799.0	801.4	811.5	821.5	830.3
150°	801.4	802.7	805.3	810.2	812.7	815.3	817.8	819.0	826.6	835.4	845.4
152.5°	819.0	820.3	822.9	826.6	829.1	831.7	834.2	837.9	841.7	850.5	856.7
155°	836.6	837.9	839.1	842.9	845.4	846.7	847.9	853.0	856.7	861.8	868.0
157.5°	851.7	851.7	853.0	855.5	858.0	858.0	859.2	864.3	868.0	873.1	876.8
160°	864.3	864.3	865.5	868.0	868.0	869.3	870.6	874.3	876.8	883.1	888.2
162.5°	875.6	874.3	875.6	876.8	876.8	876.8	878.1	880.6	884.4	889.4	894.4
165°	884.4	884.4	884.4	885.6	885.6	884.4	884.4	886.9	889.4	893.2	897.0
167.5°	891.9	891.9	890.7	891.9	890.7	890.7	889.4	890.7	891.9	895.7	898.2
170°	898.2	897.0	897.0	897.0	895.7	894.4	894.4	894.4	894.4	897.0	899.5
172.5°	903.2	902.0	900.7	900.7	898.2	897.0	897.0	895.7	895.7	897.0	898.2
175°	904.5	903.2	902.0	902.0	899.5	898.2	897.0	897.0	895.7	897.0	898.2
177.5°	907.0	905.7	903.2	903.2	900.7	898.2	898.2	897.0	895.7	897.0	897.0
180°	894.4	894.4	894.4	894.4	894.4	894.4	894.4	894.4	894.4	894.4	894.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	501.2	501.2	501.2	501.2	501.2	501.2	501.2	501.2	501.2	501.2
2.5°	503.7	503.7	502.5	501.2	501.2	500.0	498.7	497.5	496.2	494.9
5°	503.7	502.5	501.2	501.2	500.0	500.0	500.0	498.7	497.5	497.5
7.5°	503.7	503.7	502.5	501.2	501.2	501.2	501.2	501.2	500.0	500.0
10°	503.7	502.5	502.5	502.5	501.2	502.5	502.5	501.2	501.2	500.0
12.5°	502.5	502.5	502.5	502.5	502.5	502.5	502.5	502.5	502.5	501.2
15°	500.0	501.2	501.2	502.5	502.5	502.5	503.7	503.7	502.5	502.5
17.5°	498.7	500.0	501.2	502.5	502.5	502.5	503.7	503.7	503.7	503.7
20°	496.2	497.5	498.7	500.0	500.0	501.2	501.2	502.5	502.5	502.5
22.5°	491.2	492.4	494.9	496.2	497.5	498.7	500.0	500.0	500.0	500.0
25°	486.1	488.7	489.9	492.4	493.7	494.9	496.2	496.2	496.2	497.5
27.5°	479.9	482.4	486.1	487.4	488.7	489.9	491.2	492.4	492.4	492.4
30°	472.4	476.1	478.7	481.2	482.4	483.6	484.9	484.9	486.1	486.1
32.5°	463.6	467.3	469.9	472.4	473.6	474.8	477.3	477.3	478.7	478.7
35°	452.3	456.0	459.7	462.3	463.6	464.8	467.3	468.5	468.5	468.5
37.5°	440.9	444.7	448.4	452.3	453.5	454.8	457.2	457.2	458.5	458.5
40°	427.1	430.9	434.7	438.4	438.4	440.9	442.2	443.5	444.7	444.7
42.5°	413.3	417.1	419.6	423.4	424.6	425.9	427.1	429.6	429.6	430.9
45°	397.0	400.7	403.2	407.0	408.3	409.5	412.0	413.3	414.6	414.6
47.5°	379.4	381.9	384.4	388.2	390.7	391.9	393.2	394.4	395.7	394.4
50°	359.3	361.8	365.5	369.3	370.6	371.8	374.3	374.3	375.6	375.6
52.5°	337.9	341.7	344.2	347.9	349.3	350.5	353.0	353.0	354.2	354.2
55°	314.1	316.6	319.1	325.4	326.6	327.8	330.4	330.4	331.7	332.9
57.5°	291.4	292.7	296.5	299.0	301.5	301.5	302.8	304.0	305.3	305.3
60°	267.6	268.8	271.3	275.1	275.1	276.4	278.9	278.9	280.1	280.1
62.5°	242.4	244.9	247.5	251.2	250.0	251.2	253.7	253.7	255.0	255.0
65°	217.3	218.6	221.1	223.6	224.8	224.8	226.1	227.3	228.7	228.7
67.5°	191.0	193.5	194.7	198.5	197.2	198.5	199.8	199.8	201.0	201.0
70°	165.8	167.1	169.6	170.8	170.8	172.1	173.4	173.4	173.4	174.6
72.5°	140.7	141.9	143.2	144.5	144.5	145.7	147.0	147.0	148.2	148.2
75°	114.3	116.9	118.1	120.6	119.4	120.6	123.1	123.1	123.1	123.1
77.5°	91.7	93.0	95.4	96.7	96.7	96.7	99.3	98.0	99.3	99.3
80°	69.1	70.4	72.9	74.1	74.1	75.4	76.6	76.6	76.6	77.9
82.5°	49.0	51.5	54.0	55.3	55.3	56.5	57.8	57.8	59.0	59.0
85°	33.9	36.4	38.9	38.9	40.2	41.4	42.7	42.7	42.7	42.7
87.5°	22.6	23.9	25.1	26.4	27.6	27.6	28.9	28.9	30.1	30.1
90°	12.5	13.8	15.1	16.4	16.4	17.6	17.6	18.8	18.8	18.8
92.5°	17.6	17.6	18.8	20.1	20.1	20.1	20.1	21.3	21.3	21.3
95°	37.7	38.9	38.9	41.4	41.4	41.4	42.7	42.7	42.7	42.7
97.5°	72.9	72.9	72.9	75.4	75.4	75.4	76.6	76.6	76.6	77.9
100°	114.3	115.5	115.5	119.4	118.1	120.6	120.6	120.6	120.6	121.8
102.5°	160.8	163.3	164.6	168.3	168.3	168.3	170.8	169.6	170.8	170.8
105°	211.1	213.6	214.8	218.6	221.1	221.1	223.6	222.4	223.6	224.8
107.5°	261.3	265.1	267.6	271.3	273.8	275.1	275.1	276.4	277.6	278.9
110°	312.8	316.6	322.9	326.6	327.8	330.4	331.7	332.9	334.2	336.6



TEST NUMBER: P395048

CATALOG NUMBER: I3-FL-60L930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	366.8	370.6	375.6	380.6	379.4	383.1	385.7	386.9	388.2	386.9
115°	415.8	420.8	425.9	430.9	430.9	433.4	438.4	439.7	439.7	442.2
117.5°	462.3	468.5	473.6	478.7	479.9	482.4	486.1	489.9	489.9	492.4
120°	507.5	515.0	520.1	525.1	527.6	528.9	532.6	537.7	537.7	537.7
122.5°	550.2	556.5	562.8	567.8	570.3	572.9	575.4	581.7	581.7	584.2
125°	590.5	597.9	604.2	609.3	611.8	614.3	619.3	623.1	624.3	624.3
127.5°	628.1	635.6	641.9	648.2	649.5	652.0	657.0	662.0	663.3	664.6
130°	663.3	670.8	677.1	683.4	685.9	687.2	693.5	697.2	699.7	700.9
132.5°	694.7	702.3	708.5	714.8	717.3	719.8	723.6	729.9	731.1	731.1
135°	723.6	731.1	737.4	744.9	746.2	748.7	753.7	757.5	760.0	761.3
137.5°	750.0	757.5	765.0	771.3	773.8	775.1	780.1	785.2	787.7	788.9
140°	773.8	781.4	788.9	793.9	795.2	799.0	802.7	807.8	810.2	811.5
142.5°	796.5	802.7	809.0	815.3	816.6	819.0	822.9	827.8	830.3	831.7
145°	816.6	822.9	827.8	832.9	834.2	836.6	840.4	844.2	846.7	847.9
147.5°	835.4	840.4	845.4	849.2	850.5	853.0	855.5	858.0	860.5	861.8
150°	851.7	854.2	859.2	861.8	863.0	865.5	868.0	870.6	873.1	874.3
152.5°	864.3	868.0	870.6	874.3	875.6	876.8	879.4	881.9	884.4	884.4
155°	874.3	878.1	880.6	884.4	885.6	886.9	889.4	890.7	893.2	893.2
157.5°	881.9	885.6	888.2	890.7	891.9	893.2	894.4	897.0	899.5	899.5
160°	890.7	891.9	893.2	895.7	895.7	897.0	898.2	899.5	902.0	902.0
162.5°	898.2	899.5	897.0	898.2	897.0	898.2	899.5	900.7	902.0	902.0
165°	900.7	903.2	902.0	903.2	903.2	903.2	903.2	904.5	904.5	904.5
167.5°	900.7	903.2	902.0	902.0	903.2	903.2	904.5	905.7	905.7	905.7
170°	900.7	902.0	900.7	899.5	900.7	900.7	900.7	902.0	902.0	902.0
172.5°	899.5	900.7	898.2	897.0	897.0	897.0	895.7	895.7	894.4	894.4
175°	898.2	898.2	895.7	894.4	894.4	894.4	891.9	890.7	889.4	888.2
177.5°	897.0	897.0	893.2	891.9	891.9	890.7	890.7	888.2	888.2	886.9
180°	894.4	894.4	894.4	894.4	894.4	894.4	894.4	894.4	894.4	894.4

(END OF REPORT)