

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: P395045

Luminaire Tested: **I3-FL-50L930-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395045
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-50L930-1D-UNV-STD-W-4
Description: CORELITE I3, FROSTED TOP COVER
5000 LUMENS
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

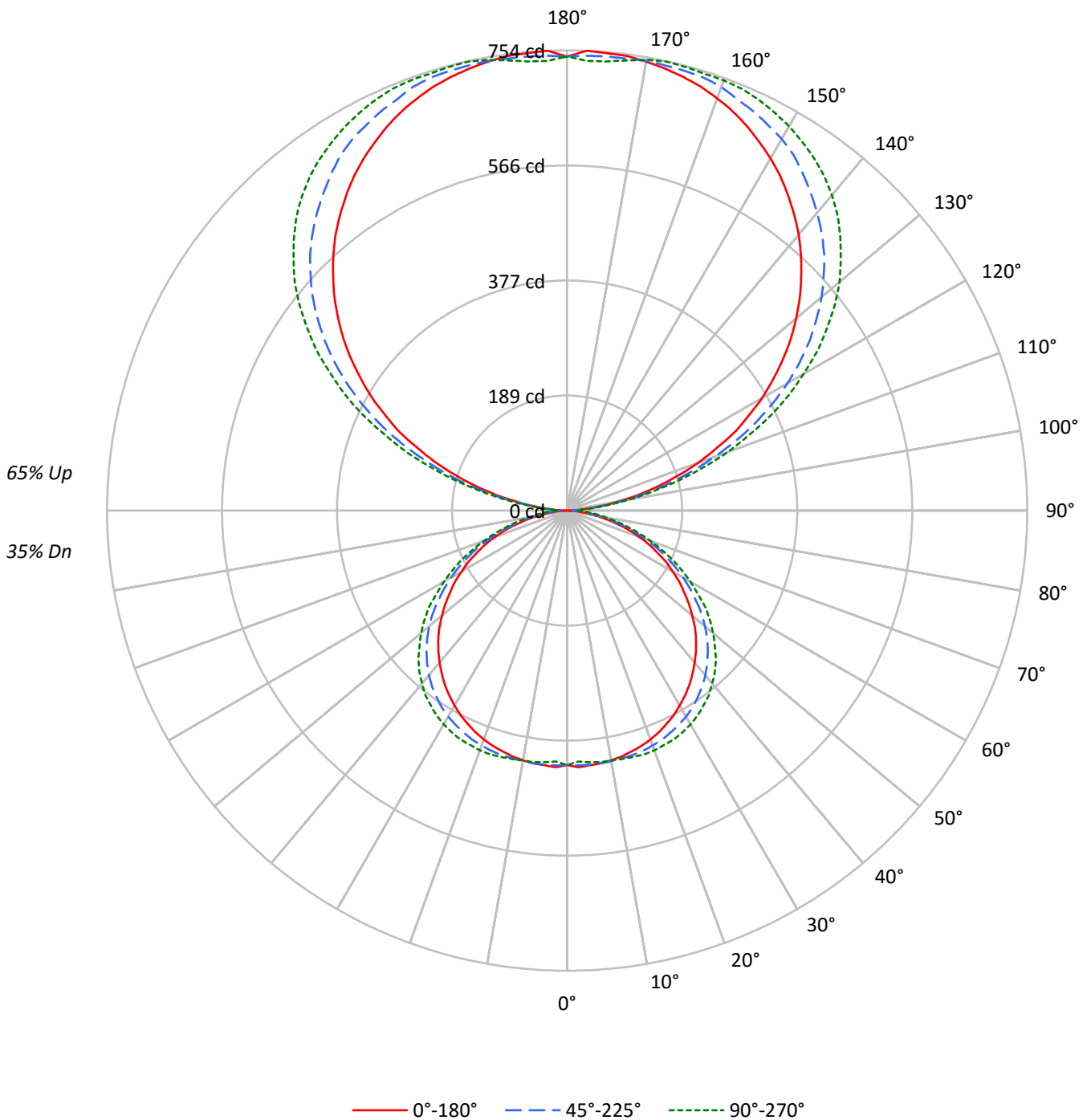
Lumens per Lamp: N/A
Luminaire Lumens: 3830.9 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.43 / 1.49
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 33.5
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°	2291	2291	2291
5°	2303	2253	2218
10°	2303	2222	2191
15°	2298	2203	2183
20°	2299	2184	2180
25°	2292	2164	2171
30°	2285	2144	2152
35°	2273	2110	2120
40°	2251	2066	2073
45°	2228	2001	2010
50°	2176	1913	1911
55°	2114	1792	1797
60°	2043	1652	1624
65°	1941	1480	1443
70°	1803	1261	1218
75°	1571	1002	968
80°	1227	712	709
85°	666	408	465



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.7	1.0
10°-20°	116.9	3.1
20°-30°	184.3	4.8
30°-40°	231.7	6.0
40°-50°	249.1	6.5
50°-60°	229.1	6.0
60°-70°	175.5	4.6
70°-80°	100.0	2.6
80°-90°	31.2	0.8
90°-100°	41.7	1.1
100°-110°	181.5	4.7
110°-120°	332.4	8.7
120°-130°	428.4	11.2
130°-140°	455.9	11.9
140°-150°	419.4	10.9
150°-160°	332.3	8.7
160°-170°	210.4	5.5
170°-180°	71.2	1.9
0°-30°	341.0	8.9
0°-40°	572.6	14.9
0°-60°	1050.9	27.4
0°-90°	1357.6	35.4
90°-120°	555.7	14.5
90°-150°	1859.4	48.5
90°-180°	2473.0	64.6
0°-180°	3830.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	417	417	417	417	417	
5°	419	415	418	416	414	40
15°	408	406	415	418	418	115
25°	386	386	401	410	414	178
35°	349	353	373	386	390	218
45°	299	306	326	340	345	230
55°	234	243	258	272	277	210
65°	163	168	179	187	190	162
75°	86	88	94	99	102	91
85°	16	20	26	33	36	20
90°	1	3	9	14	16	2
95°	28	27	30	34	36	35
105°	154	161	173	184	187	163
115°	302	316	340	358	368	296
125°	431	450	485	509	519	385
135°	542	560	595	620	633	418
145°	631	645	674	694	705	395
155°	696	704	722	736	743	321
165°	736	736	746	751	752	208
175°	752	747	747	744	739	72
180°	744	744	744	744	744	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	416.8	416.8	416.8	416.8	416.8	416.8	416.8	416.8	416.8	416.8	416.8
2.5°	421.0	420.0	418.9	416.8	416.8	415.7	415.7	415.7	415.7	416.8	417.9
5°	418.9	418.9	417.9	415.7	415.7	414.8	414.8	415.7	414.8	415.7	417.9
7.5°	417.9	417.9	416.8	414.8	414.8	414.8	414.8	414.8	414.8	415.7	417.9
10°	415.7	415.7	413.7	412.7	412.7	412.7	412.7	413.7	413.7	414.8	416.8
12.5°	412.7	411.6	410.5	409.5	409.5	409.5	410.5	411.6	411.6	413.7	415.7
15°	408.4	408.4	407.4	406.4	406.4	406.4	407.4	408.4	409.5	411.6	414.8
17.5°	404.3	404.3	403.2	403.2	403.2	403.2	404.3	405.4	407.4	409.5	412.7
20°	399.1	399.1	398.0	398.0	398.0	399.1	399.1	401.1	403.2	406.4	409.5
22.5°	392.8	392.8	392.8	391.8	392.8	393.8	394.9	397.0	399.1	402.2	406.4
25°	385.5	385.5	385.5	385.5	386.5	386.5	388.6	390.7	392.8	397.0	401.1
27.5°	378.1	378.1	378.1	377.2	379.2	380.2	381.3	384.5	386.5	391.8	395.9
30°	368.8	368.8	368.8	369.8	370.8	371.9	374.0	377.2	379.2	384.5	389.7
32.5°	359.4	359.4	359.4	359.4	362.5	363.5	364.6	367.7	371.9	377.2	382.4
35°	348.9	348.9	348.9	349.9	352.1	353.1	355.2	358.3	362.5	367.7	372.9
37.5°	337.4	338.5	338.5	339.6	341.6	343.7	345.8	348.9	353.1	358.3	363.5
40°	324.9	325.9	325.9	327.0	329.1	331.2	333.2	337.4	341.6	346.9	352.1
42.5°	312.3	313.4	313.4	315.5	317.6	319.6	321.8	325.9	330.1	335.3	339.6
45°	298.8	299.8	299.8	301.9	305.0	306.1	309.3	313.4	317.6	321.8	325.9
47.5°	284.1	285.2	285.2	287.3	290.4	292.5	294.6	298.8	301.9	307.1	311.3
50°	267.4	268.5	269.5	271.6	275.8	277.9	280.0	283.1	287.3	290.4	294.6
52.5°	251.7	251.7	252.8	254.9	258.0	260.1	261.2	264.3	269.5	273.7	277.9
55°	234.0	235.1	236.1	238.2	241.3	243.4	244.4	247.6	250.7	253.8	258.0
57.5°	218.4	218.4	219.4	221.4	224.6	225.7	226.7	228.7	233.0	236.1	239.2
60°	199.5	200.6	201.6	203.7	205.8	207.9	207.9	211.0	214.1	217.3	219.4
62.5°	182.8	182.8	183.8	185.9	187.0	189.1	189.1	192.2	194.3	197.5	199.5
65°	162.9	164.0	165.1	166.1	168.2	168.2	169.2	171.3	173.4	175.5	178.6
67.5°	145.2	145.2	146.2	147.3	148.3	148.3	149.4	151.5	153.5	155.6	157.8
70°	125.3	126.4	126.4	126.4	127.5	128.5	129.6	130.6	132.6	133.7	135.8
72.5°	105.5	105.5	106.6	106.6	107.6	108.6	109.7	110.7	111.8	113.9	114.9
75°	85.7	85.7	86.7	86.7	87.7	87.7	87.7	89.8	90.9	93.0	94.0
77.5°	65.8	66.9	66.9	66.9	67.9	69.0	69.0	70.0	72.0	73.1	74.2
80°	48.1	48.1	48.1	48.1	49.1	50.1	51.2	51.2	53.3	55.4	56.4
82.5°	30.3	30.3	31.4	32.4	32.4	33.4	34.4	35.5	37.6	38.7	39.7
85°	15.7	15.7	16.7	17.8	18.8	19.8	19.8	20.9	23.0	25.1	26.1
87.5°	5.2	6.3	6.3	7.3	8.4	9.4	10.5	11.5	13.6	15.7	16.7
90°	1.1	1.1	1.1	2.1	3.2	3.2	4.1	5.2	6.3	7.3	9.4
92.5°	9.4	9.4	8.4	9.4	9.4	9.4	9.4	10.5	11.5	11.5	13.6
95°	28.2	27.1	27.1	27.1	27.1	27.1	27.1	28.2	29.2	29.2	30.3
97.5°	54.3	54.3	53.3	53.3	54.3	54.3	54.3	55.4	57.4	56.4	58.5
100°	84.6	84.6	83.6	84.6	85.7	86.7	88.8	88.8	90.9	90.9	94.0
102.5°	119.1	119.1	118.0	120.1	121.2	123.3	123.3	125.3	128.5	128.5	132.6
105°	153.5	154.6	154.6	156.7	158.8	160.9	160.9	164.0	168.2	168.2	173.4
107.5°	191.1	192.2	192.2	194.3	196.4	198.5	199.5	203.7	207.9	208.9	215.2
110°	227.8	228.7	229.8	231.9	234.0	237.1	239.2	243.4	248.7	250.7	256.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	262.2	266.4	267.4	270.6	273.7	276.8	279.0	284.1	290.4	293.6	299.8
115°	301.9	304.0	305.0	308.2	312.3	315.5	317.6	322.8	329.1	333.2	340.5
117.5°	334.3	339.6	340.5	343.7	347.9	351.0	353.1	359.4	366.7	371.9	379.2
120°	368.8	372.9	377.2	379.2	382.4	386.5	388.6	394.9	403.2	408.4	416.8
122.5°	400.1	404.3	408.4	411.6	415.7	417.9	421.0	428.3	436.7	443.0	451.3
125°	431.4	436.7	439.8	443.0	448.2	450.3	453.3	460.7	469.0	476.3	484.7
127.5°	461.7	464.9	470.1	472.2	477.4	479.5	482.6	491.0	499.3	506.6	515.0
130°	489.9	494.1	498.3	499.3	505.6	508.8	511.9	519.2	528.6	535.9	544.2
132.5°	517.1	519.2	524.4	527.5	532.8	535.9	539.1	545.3	554.7	562.0	570.4
135°	542.2	544.2	550.5	553.7	556.8	559.9	564.2	570.4	579.8	587.1	595.4
137.5°	567.2	569.4	575.6	578.8	580.8	584.0	587.1	593.4	602.7	610.0	617.4
140°	590.2	592.3	596.5	600.7	602.7	604.8	608.0	614.3	622.6	630.0	637.3
142.5°	611.1	613.2	617.4	621.6	624.7	624.7	627.8	633.0	642.5	649.8	656.0
145°	631.0	632.0	636.2	640.3	644.6	644.6	645.6	650.8	659.2	667.6	673.8
147.5°	649.8	650.8	654.0	658.1	661.3	662.3	664.4	666.5	674.9	683.2	690.6
150°	666.5	667.6	669.6	673.8	675.9	678.0	680.1	681.1	687.4	694.7	703.1
152.5°	681.1	682.2	684.3	687.4	689.5	691.6	693.6	696.8	699.9	707.2	712.5
155°	695.8	696.8	697.9	700.9	703.1	704.1	705.2	709.3	712.5	716.6	721.9
157.5°	708.3	708.3	709.3	711.4	713.5	713.5	714.5	718.7	721.9	726.1	729.2
160°	718.7	718.7	719.8	721.9	721.9	722.9	723.9	727.1	729.2	734.4	738.6
162.5°	728.2	727.1	728.2	729.2	729.2	729.2	730.2	732.3	735.5	739.6	743.8
165°	735.5	735.5	735.5	736.5	736.5	735.5	735.5	737.5	739.6	742.8	745.9
167.5°	741.7	741.7	740.7	741.7	740.7	740.7	739.6	740.7	741.7	744.8	746.9
170°	746.9	745.9	745.9	745.9	744.8	743.8	743.8	743.8	743.8	745.9	748.0
172.5°	751.2	750.1	749.0	749.0	746.9	745.9	745.9	744.8	744.8	745.9	746.9
175°	752.1	751.2	750.1	750.1	748.0	746.9	745.9	745.9	744.8	745.9	746.9
177.5°	754.2	753.2	751.2	751.2	749.0	746.9	746.9	745.9	744.8	745.9	745.9
180°	743.8	743.8	743.8	743.8	743.8	743.8	743.8	743.8	743.8	743.8	743.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	416.8	416.8	416.8	416.8	416.8	416.8	416.8	416.8	416.8	416.8
2.5°	418.9	418.9	417.9	416.8	416.8	415.7	414.8	413.7	412.7	411.6
5°	418.9	417.9	416.8	416.8	415.7	415.7	415.7	414.8	413.7	413.7
7.5°	418.9	418.9	417.9	416.8	416.8	416.8	416.8	416.8	415.7	415.7
10°	418.9	417.9	417.9	417.9	416.8	417.9	417.9	416.8	416.8	415.7
12.5°	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	416.8
15°	415.7	416.8	416.8	417.9	417.9	417.9	418.9	418.9	417.9	417.9
17.5°	414.8	415.7	416.8	417.9	417.9	417.9	418.9	418.9	418.9	418.9
20°	412.7	413.7	414.8	415.7	415.7	416.8	416.8	417.9	417.9	417.9
22.5°	408.4	409.5	411.6	412.7	413.7	414.8	415.7	415.7	415.7	415.7
25°	404.3	406.4	407.4	409.5	410.5	411.6	412.7	412.7	412.7	413.7
27.5°	399.1	401.1	404.3	405.4	406.4	407.4	408.4	409.5	409.5	409.5
30°	392.8	395.9	398.0	400.1	401.1	402.2	403.2	403.2	404.3	404.3
32.5°	385.5	388.6	390.7	392.8	393.8	394.9	397.0	397.0	398.0	398.0
35°	376.1	379.2	382.4	384.5	385.5	386.5	388.6	389.7	389.7	389.7
37.5°	366.7	369.8	372.9	376.1	377.2	378.1	380.2	380.2	381.3	381.3
40°	355.2	358.3	361.5	364.6	364.6	366.7	367.7	368.8	369.8	369.8
42.5°	343.7	346.9	348.9	352.1	353.1	354.2	355.2	357.3	357.3	358.3
45°	330.1	333.2	335.3	338.5	339.6	340.5	342.6	343.7	344.7	344.7
47.5°	315.5	317.6	319.6	322.8	324.9	325.9	327.0	328.0	329.1	328.0
50°	298.8	300.9	304.0	307.1	308.2	309.3	311.3	311.3	312.3	312.3
52.5°	281.0	284.1	286.3	289.3	290.4	291.5	293.6	293.6	294.6	294.6
55°	261.2	263.3	265.4	270.6	271.6	272.7	274.7	274.7	275.8	276.8
57.5°	242.4	243.4	246.5	248.7	250.7	250.7	251.7	252.8	253.8	253.8
60°	222.5	223.5	225.7	228.7	228.7	229.8	231.9	231.9	233.0	233.0
62.5°	201.6	203.7	205.8	208.9	207.9	208.9	211.0	211.0	212.1	212.1
65°	180.7	181.8	183.8	185.9	187.0	187.0	188.1	189.1	190.2	190.2
67.5°	158.8	160.9	161.9	165.1	164.0	165.1	166.1	166.1	167.2	167.2
70°	137.9	138.9	141.0	142.1	142.1	143.1	144.2	144.2	144.2	145.2
72.5°	117.0	118.0	119.1	120.1	120.1	121.2	122.3	122.3	123.3	123.3
75°	95.0	97.2	98.2	100.3	99.3	100.3	102.3	102.3	102.3	102.3
77.5°	76.3	77.3	79.4	80.4	80.4	80.4	82.5	81.5	82.5	82.5
80°	57.4	58.5	60.6	61.7	61.7	62.7	63.7	63.7	63.7	64.7
82.5°	40.8	42.8	44.9	46.0	46.0	47.0	48.1	48.1	49.1	49.1
85°	28.2	30.3	32.4	32.4	33.4	34.4	35.5	35.5	35.5	35.5
87.5°	18.8	19.8	20.9	21.9	23.0	23.0	24.0	24.0	25.1	25.1
90°	10.5	11.5	12.5	13.6	13.6	14.6	14.6	15.7	15.7	15.7
92.5°	14.6	14.6	15.7	16.7	16.7	16.7	16.7	17.8	17.8	17.8
95°	31.4	32.4	32.4	34.4	34.4	34.4	35.5	35.5	35.5	35.5
97.5°	60.6	60.6	60.6	62.7	62.7	62.7	63.7	63.7	63.7	64.7
100°	95.0	96.1	96.1	99.3	98.2	100.3	100.3	100.3	100.3	101.3
102.5°	133.7	135.8	136.9	140.0	140.0	140.0	142.1	141.0	142.1	142.1
105°	175.5	177.6	178.6	181.8	183.8	183.8	185.9	184.9	185.9	187.0
107.5°	217.3	220.4	222.5	225.7	227.8	228.7	228.7	229.8	230.9	231.9
110°	260.1	263.3	268.5	271.6	272.7	274.7	275.8	276.8	277.9	280.0



TEST NUMBER: P395045

CATALOG NUMBER: I3-FL-50L930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	305.0	308.2	312.3	316.6	315.5	318.6	320.7	321.8	322.8	321.8
115°	345.8	349.9	354.2	358.3	358.3	360.4	364.6	365.6	365.6	367.7
117.5°	384.5	389.7	393.8	398.0	399.1	401.1	404.3	407.4	407.4	409.5
120°	422.1	428.3	432.5	436.7	438.7	439.8	443.0	447.1	447.1	447.1
122.5°	457.6	462.8	468.0	472.2	474.3	476.3	478.5	483.6	483.6	485.8
125°	491.0	497.3	502.5	506.6	508.8	510.9	515.0	518.2	519.2	519.2
127.5°	522.3	528.6	533.9	539.1	540.1	542.2	546.4	550.5	551.6	552.6
130°	551.6	557.8	563.1	568.3	570.4	571.5	576.7	579.8	581.9	582.9
132.5°	577.7	584.0	589.2	594.4	596.5	598.6	601.8	607.0	608.0	608.0
135°	601.8	608.0	613.2	619.5	620.5	622.6	626.8	630.0	632.0	633.0
137.5°	623.7	630.0	636.2	641.4	643.5	644.6	648.7	652.9	655.0	656.0
140°	643.5	649.8	656.0	660.3	661.3	664.4	667.6	671.7	673.8	674.9
142.5°	662.3	667.6	672.8	678.0	679.0	681.1	684.3	688.4	690.6	691.6
145°	679.0	684.3	688.4	692.6	693.6	695.8	698.9	702.0	704.1	705.2
147.5°	694.7	698.9	703.1	706.2	707.2	709.3	711.4	713.5	715.6	716.6
150°	708.3	710.4	714.5	716.6	717.7	719.8	721.9	723.9	726.1	727.1
152.5°	718.7	721.9	723.9	727.1	728.2	729.2	731.2	733.4	735.5	735.5
155°	727.1	730.2	732.3	735.5	736.5	737.5	739.6	740.7	742.8	742.8
157.5°	733.4	736.5	738.6	740.7	741.7	742.8	743.8	745.9	748.0	748.0
160°	740.7	741.7	742.8	744.8	744.8	745.9	746.9	748.0	750.1	750.1
162.5°	746.9	748.0	745.9	746.9	745.9	746.9	748.0	749.0	750.1	750.1
165°	749.0	751.2	750.1	751.2	751.2	751.2	751.2	752.1	752.1	752.1
167.5°	749.0	751.2	750.1	750.1	751.2	751.2	752.1	753.2	753.2	753.2
170°	749.0	750.1	749.0	748.0	749.0	749.0	749.0	750.1	750.1	750.1
172.5°	748.0	749.0	746.9	745.9	745.9	745.9	744.8	744.8	743.8	743.8
175°	746.9	746.9	744.8	743.8	743.8	743.8	741.7	740.7	739.6	738.6
177.5°	745.9	745.9	742.8	741.7	741.7	740.7	740.7	738.6	738.6	737.5
180°	743.8	743.8	743.8	743.8	743.8	743.8	743.8	743.8	743.8	743.8

(END OF REPORT)