

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: P395585

Luminaire Tested: **I3-FL-50L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395585
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-FL-50L92765-1D-UNV-W2A-W-4 (4500K)
Description: CORELITE I3, FROSTED TOP COVER
5000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4127.1 lumens
Efficiency: N/A
Efficacy: 114.0 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

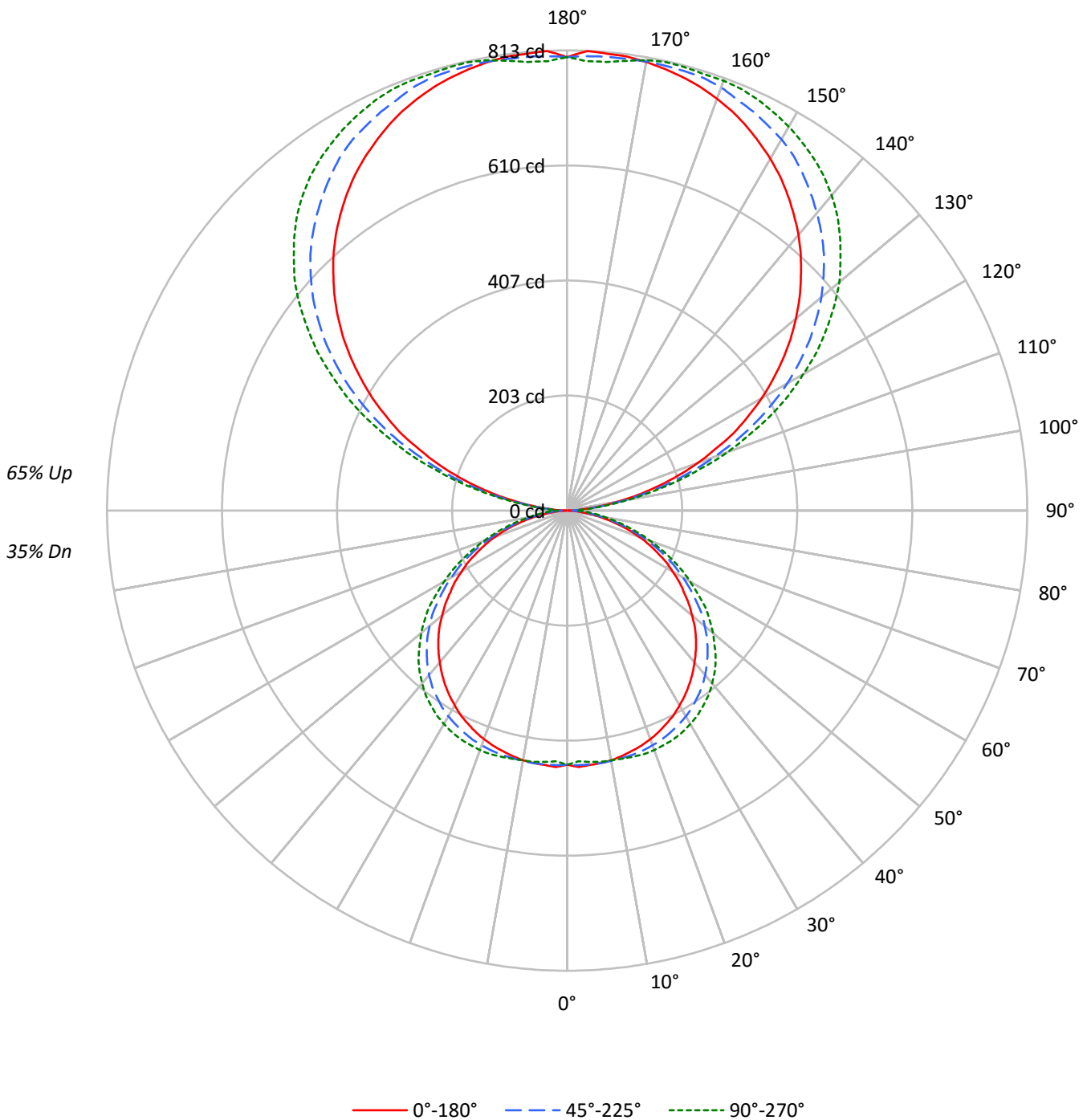
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2468	2468	2468
5°	2481	2428	2389
10°	2481	2394	2361
15°	2476	2373	2352
20°	2476	2353	2348
25°	2470	2332	2339
30°	2461	2310	2318
35°	2449	2273	2284
40°	2425	2225	2234
45°	2400	2156	2165
50°	2345	2061	2059
55°	2277	1931	1936
60°	2201	1779	1749
65°	2093	1594	1553
70°	1944	1359	1312
75°	1692	1080	1044
80°	1321	768	764
85°	717	439	502



TEST NUMBER: P395585

CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (4500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.8	1.0
10°-20°	125.9	3.1
20°-30°	198.6	4.8
30°-40°	249.6	6.0
40°-50°	268.4	6.5
50°-60°	246.9	6.0
60°-70°	189.1	4.6
70°-80°	107.7	2.6
80°-90°	33.6	0.8
90°-100°	45.0	1.1
100°-110°	195.6	4.7
110°-120°	358.1	8.7
120°-130°	461.5	11.2
130°-140°	491.1	11.9
140°-150°	451.8	10.9
150°-160°	358.0	8.7
160°-170°	226.7	5.5
170°-180°	76.7	1.9
0°-30°	367.3	8.9
0°-40°	616.9	14.9
0°-60°	1132.1	27.4
0°-90°	1462.5	35.4
90°-120°	598.6	14.5
90°-150°	2003.1	48.5
90°-180°	2665.0	64.6
0°-180°	4127.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	449	449	449	449	449	
5°	451	447	450	448	446	43
15°	440	438	447	450	450	124
25°	415	416	432	442	446	192
35°	376	380	402	415	420	235
45°	322	330	351	366	371	248
55°	252	262	278	293	298	226
65°	176	181	192	202	205	174
75°	92	94	101	107	110	98
85°	17	21	28	36	38	21
90°	1	3	10	15	17	2
95°	30	29	33	37	38	38
105°	165	173	187	198	202	176
115°	325	340	367	386	396	319
125°	465	485	522	548	559	415
135°	584	603	642	668	682	451
145°	680	694	726	747	760	425
155°	750	758	778	793	800	346
165°	792	792	804	809	810	224
175°	810	805	805	801	796	77
180°	801	801	801	801	801	



TEST NUMBER: P395585

CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	449.0	449.0	449.0	449.0	449.0	449.0	449.0	449.0	449.0	449.0	449.0
2.5°	453.5	452.4	451.3	449.0	449.0	447.9	447.9	447.9	447.9	449.0	450.2
5°	451.3	451.3	450.2	447.9	447.9	446.8	446.8	447.9	446.8	447.9	450.2
7.5°	450.2	450.2	449.0	446.8	446.8	446.8	446.8	446.8	446.8	447.9	450.2
10°	447.9	447.9	445.7	444.5	444.5	444.5	444.5	445.7	445.7	446.8	449.0
12.5°	444.5	443.4	442.3	441.2	441.2	441.2	442.3	443.4	443.4	445.7	447.9
15°	440.0	440.0	438.9	437.8	437.8	437.8	438.9	440.0	441.2	443.4	446.8
17.5°	435.5	435.5	434.4	434.4	434.4	434.4	435.5	436.7	438.9	441.2	444.5
20°	429.9	429.9	428.8	428.8	428.8	429.9	429.9	432.2	434.4	437.8	441.2
22.5°	423.2	423.2	423.2	422.0	423.2	424.3	425.4	427.7	429.9	433.3	437.8
25°	415.3	415.3	415.3	415.3	416.4	416.4	418.7	420.9	423.2	427.7	432.2
27.5°	407.4	407.4	407.4	406.3	408.5	409.7	410.8	414.2	416.4	422.0	426.5
30°	397.3	397.3	397.3	398.4	399.5	400.7	402.9	406.3	408.5	414.2	419.8
32.5°	387.1	387.1	387.1	387.1	390.5	391.7	392.8	396.2	400.7	406.3	411.9
35°	375.9	375.9	375.9	377.0	379.3	380.4	382.6	386.0	390.5	396.2	401.8
37.5°	363.5	364.6	364.6	365.8	368.0	370.3	372.5	375.9	380.4	386.0	391.7
40°	350.0	351.1	351.1	352.3	354.5	356.8	359.0	363.5	368.0	373.6	379.3
42.5°	336.5	337.6	337.6	339.9	342.1	344.4	346.6	351.1	355.6	361.3	365.8
45°	321.9	323.0	323.0	325.3	328.6	329.8	333.1	337.6	342.1	346.6	351.1
47.5°	306.1	307.2	307.2	309.5	312.9	315.1	317.4	321.9	325.3	330.9	335.4
50°	288.1	289.2	290.4	292.6	297.1	299.4	301.6	305.0	309.5	312.9	317.4
52.5°	271.2	271.2	272.4	274.6	278.0	280.2	281.4	284.7	290.4	294.9	299.4
55°	252.1	253.2	254.3	256.6	260.0	262.2	263.4	266.7	270.1	273.5	278.0
57.5°	235.2	235.2	236.3	238.6	242.0	243.1	244.2	246.5	251.0	254.3	257.7
60°	215.0	216.1	217.2	219.5	221.7	224.0	224.0	227.3	230.7	234.1	236.3
62.5°	197.0	197.0	198.1	200.3	201.5	203.7	203.7	207.1	209.3	212.7	215.0
65°	175.6	176.7	177.8	178.9	181.2	181.2	182.3	184.6	186.8	189.1	192.4
67.5°	156.4	156.4	157.6	158.7	159.8	159.8	160.9	163.2	165.4	167.7	169.9
70°	135.1	136.2	136.2	136.2	137.3	138.4	139.6	140.7	142.9	144.1	146.3
72.5°	113.7	113.7	114.8	114.8	115.9	117.0	118.2	119.3	120.4	122.7	123.8
75°	92.3	92.3	93.4	93.4	94.5	94.5	94.5	96.8	97.9	100.2	101.3
77.5°	70.9	72.0	72.0	72.0	73.2	74.3	74.3	75.4	77.7	78.8	79.9
80°	51.8	51.8	51.8	51.8	52.9	54.0	55.1	55.1	57.4	59.6	60.8
82.5°	32.6	32.6	33.8	34.9	34.9	36.0	37.1	38.3	40.5	41.6	42.8
85°	16.9	16.9	18.0	19.1	20.3	21.4	21.4	22.5	24.8	27.0	28.1
87.5°	5.6	6.8	6.8	7.9	9.0	10.1	11.3	12.4	14.6	16.9	18.0
90°	1.1	1.1	1.1	2.3	3.4	3.4	4.5	5.6	6.8	7.9	10.1
92.5°	10.1	10.1	9.0	10.1	10.1	10.1	10.1	11.3	12.4	12.4	14.6
95°	30.4	29.3	29.3	29.3	29.3	29.3	29.3	30.4	31.5	31.5	32.6
97.5°	58.5	58.5	57.4	57.4	58.5	58.5	58.5	59.6	61.9	60.8	63.0
100°	91.2	91.2	90.0	91.2	92.3	93.4	95.7	95.7	97.9	97.9	101.3
102.5°	128.3	128.3	127.2	129.4	130.6	132.8	132.8	135.1	138.4	138.4	142.9
105°	165.4	166.6	166.6	168.8	171.1	173.3	173.3	176.7	181.2	181.2	186.8
107.5°	206.0	207.1	207.1	209.3	211.6	213.8	215.0	219.5	224.0	225.1	231.8
110°	245.3	246.5	247.6	249.8	252.1	255.5	257.7	262.2	267.9	270.1	275.7



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CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	282.5	287.0	288.1	291.5	294.9	298.2	300.5	306.1	312.9	316.2	323.0
115°	325.3	327.5	328.6	332.0	336.5	339.9	342.1	347.8	354.5	359.0	366.9
117.5°	360.1	365.8	366.9	370.3	374.8	378.1	380.4	387.1	395.0	400.7	408.5
120°	397.3	401.8	406.3	408.5	411.9	416.4	418.7	425.4	434.4	440.0	449.0
122.5°	431.0	435.5	440.0	443.4	447.9	450.2	453.5	461.4	470.4	477.2	486.2
125°	464.8	470.4	473.8	477.2	482.8	485.1	488.4	496.3	505.3	513.2	522.2
127.5°	497.4	500.8	506.4	508.7	514.3	516.6	520.0	529.0	538.0	545.8	554.8
130°	527.8	532.3	536.8	538.0	544.7	548.1	551.5	559.3	569.5	577.3	586.4
132.5°	557.1	559.3	565.0	568.3	574.0	577.3	580.7	587.5	597.6	605.5	614.5
135°	584.1	586.4	593.1	596.5	599.9	603.2	607.7	614.5	624.6	632.5	641.5
137.5°	611.1	613.4	620.1	623.5	625.7	629.1	632.5	639.2	649.4	657.3	665.1
140°	635.9	638.1	642.6	647.1	649.4	651.6	655.0	661.8	670.8	678.6	686.5
142.5°	658.4	660.6	665.1	669.6	673.0	673.0	676.4	682.0	692.1	700.0	706.8
145°	679.8	680.9	685.4	689.9	694.4	694.4	695.5	701.1	710.1	719.2	725.9
147.5°	700.0	701.1	704.5	709.0	712.4	713.5	715.8	718.0	727.0	736.0	743.9
150°	718.0	719.2	721.4	725.9	728.2	730.4	732.7	733.8	740.5	748.4	757.4
152.5°	733.8	734.9	737.2	740.5	742.8	745.0	747.3	750.7	754.0	761.9	767.5
155°	749.5	750.7	751.8	755.2	757.4	758.5	759.7	764.2	767.5	772.0	777.7
157.5°	763.0	763.0	764.2	766.4	768.7	768.7	769.8	774.3	777.7	782.2	785.6
160°	774.3	774.3	775.4	777.7	777.7	778.8	779.9	783.3	785.6	791.2	795.7
162.5°	784.4	783.3	784.4	785.6	785.6	785.6	786.7	788.9	792.3	796.8	801.3
165°	792.3	792.3	792.3	793.4	793.4	792.3	792.3	794.6	796.8	800.2	803.6
167.5°	799.1	799.1	797.9	799.1	797.9	797.9	796.8	797.9	799.1	802.4	804.7
170°	804.7	803.6	803.6	803.6	802.4	801.3	801.3	801.3	801.3	803.6	805.8
172.5°	809.2	808.1	806.9	806.9	804.7	803.6	803.6	802.4	802.4	803.6	804.7
175°	810.3	809.2	808.1	808.1	805.8	804.7	803.6	803.6	802.4	803.6	804.7
177.5°	812.6	811.4	809.2	809.2	806.9	804.7	804.7	803.6	802.4	803.6	803.6
180°	801.3	801.3	801.3	801.3	801.3	801.3	801.3	801.3	801.3	801.3	801.3



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CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	449.0	449.0	449.0	449.0	449.0	449.0	449.0	449.0	449.0	449.0
2.5°	451.3	451.3	450.2	449.0	449.0	447.9	446.8	445.7	444.5	443.4
5°	451.3	450.2	449.0	449.0	447.9	447.9	447.9	446.8	445.7	445.7
7.5°	451.3	451.3	450.2	449.0	449.0	449.0	449.0	449.0	447.9	447.9
10°	451.3	450.2	450.2	450.2	449.0	450.2	450.2	449.0	449.0	447.9
12.5°	450.2	450.2	450.2	450.2	450.2	450.2	450.2	450.2	450.2	449.0
15°	447.9	449.0	449.0	450.2	450.2	450.2	451.3	451.3	450.2	450.2
17.5°	446.8	447.9	449.0	450.2	450.2	450.2	451.3	451.3	451.3	451.3
20°	444.5	445.7	446.8	447.9	447.9	449.0	449.0	450.2	450.2	450.2
22.5°	440.0	441.2	443.4	444.5	445.7	446.8	447.9	447.9	447.9	447.9
25°	435.5	437.8	438.9	441.2	442.3	443.4	444.5	444.5	444.5	445.7
27.5°	429.9	432.2	435.5	436.7	437.8	438.9	440.0	441.2	441.2	441.2
30°	423.2	426.5	428.8	431.0	432.2	433.3	434.4	434.4	435.5	435.5
32.5°	415.3	418.7	420.9	423.2	424.3	425.4	427.7	427.7	428.8	428.8
35°	405.2	408.5	411.9	414.2	415.3	416.4	418.7	419.8	419.8	419.8
37.5°	395.0	398.4	401.8	405.2	406.3	407.4	409.7	409.7	410.8	410.8
40°	382.6	386.0	389.4	392.8	392.8	395.0	396.2	397.3	398.4	398.4
42.5°	370.3	373.6	375.9	379.3	380.4	381.5	382.6	384.9	384.9	386.0
45°	355.6	359.0	361.3	364.6	365.8	366.9	369.1	370.3	371.4	371.4
47.5°	339.9	342.1	344.4	347.8	350.0	351.1	352.3	353.4	354.5	353.4
50°	321.9	324.1	327.5	330.9	332.0	333.1	335.4	335.4	336.5	336.5
52.5°	302.7	306.1	308.4	311.7	312.9	314.0	316.2	316.2	317.4	317.4
55°	281.4	283.6	285.9	291.5	292.6	293.7	296.0	296.0	297.1	298.2
57.5°	261.1	262.2	265.6	267.9	270.1	270.1	271.2	272.4	273.5	273.5
60°	239.7	240.8	243.1	246.5	246.5	247.6	249.8	249.8	251.0	251.0
62.5°	217.2	219.5	221.7	225.1	224.0	225.1	227.3	227.3	228.5	228.5
65°	194.7	195.8	198.1	200.3	201.5	201.5	202.6	203.7	204.8	204.8
67.5°	171.1	173.3	174.4	177.8	176.7	177.8	178.9	178.9	180.1	180.1
70°	148.6	149.7	151.9	153.1	153.1	154.2	155.3	155.3	155.3	156.4
72.5°	126.0	127.2	128.3	129.4	129.4	130.6	131.7	131.7	132.8	132.8
75°	102.4	104.7	105.8	108.0	106.9	108.0	110.3	110.3	110.3	110.3
77.5°	82.2	83.3	85.5	86.7	86.7	86.7	88.9	87.8	88.9	88.9
80°	61.9	63.0	65.3	66.4	66.4	67.5	68.7	68.7	68.7	69.8
82.5°	43.9	46.1	48.4	49.5	49.5	50.6	51.8	51.8	52.9	52.9
85°	30.4	32.6	34.9	34.9	36.0	37.1	38.3	38.3	38.3	38.3
87.5°	20.3	21.4	22.5	23.6	24.8	24.8	25.9	25.9	27.0	27.0
90°	11.3	12.4	13.5	14.6	14.6	15.8	15.8	16.9	16.9	16.9
92.5°	15.8	15.8	16.9	18.0	18.0	18.0	18.0	19.1	19.1	19.1
95°	33.8	34.9	34.9	37.1	37.1	37.1	38.3	38.3	38.3	38.3
97.5°	65.3	65.3	65.3	67.5	67.5	67.5	68.7	68.7	68.7	69.8
100°	102.4	103.5	103.5	106.9	105.8	108.0	108.0	108.0	108.0	109.2
102.5°	144.1	146.3	147.4	150.8	150.8	150.8	153.1	151.9	153.1	153.1
105°	189.1	191.3	192.4	195.8	198.1	198.1	200.3	199.2	200.3	201.5
107.5°	234.1	237.5	239.7	243.1	245.3	246.5	246.5	247.6	248.7	249.8
110°	280.2	283.6	289.2	292.6	293.7	296.0	297.1	298.2	299.4	301.6



TEST NUMBER: P395585

CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	328.6	332.0	336.5	341.0	339.9	343.3	345.5	346.6	347.8	346.6
115°	372.5	377.0	381.5	386.0	386.0	388.3	392.8	393.9	393.9	396.2
117.5°	414.2	419.8	424.3	428.8	429.9	432.2	435.5	438.9	438.9	441.2
120°	454.7	461.4	465.9	470.4	472.7	473.8	477.2	481.7	481.7	481.7
122.5°	492.9	498.6	504.2	508.7	510.9	513.2	515.4	521.1	521.1	523.3
125°	529.0	535.7	541.3	545.8	548.1	550.3	554.8	558.2	559.3	559.3
127.5°	562.7	569.5	575.1	580.7	581.8	584.1	588.6	593.1	594.2	595.4
130°	594.2	601.0	606.6	612.2	614.5	615.6	621.2	624.6	626.9	628.0
132.5°	622.4	629.1	634.7	640.4	642.6	644.9	648.2	653.9	655.0	655.0
135°	648.2	655.0	660.6	667.4	668.5	670.8	675.3	678.6	680.9	682.0
137.5°	671.9	678.6	685.4	691.0	693.3	694.4	698.9	703.4	705.6	706.8
140°	693.3	700.0	706.8	711.3	712.4	715.8	719.2	723.7	725.9	727.0
142.5°	713.5	719.2	724.8	730.4	731.5	733.8	737.2	741.7	743.9	745.0
145°	731.5	737.2	741.7	746.2	747.3	749.5	752.9	756.3	758.5	759.7
147.5°	748.4	752.9	757.4	760.8	761.9	764.2	766.4	768.7	770.9	772.0
150°	763.0	765.3	769.8	772.0	773.2	775.4	777.7	779.9	782.2	783.3
152.5°	774.3	777.7	779.9	783.3	784.4	785.6	787.8	790.1	792.3	792.3
155°	783.3	786.7	788.9	792.3	793.4	794.6	796.8	797.9	800.2	800.2
157.5°	790.1	793.4	795.7	797.9	799.1	800.2	801.3	803.6	805.8	805.8
160°	797.9	799.1	800.2	802.4	802.4	803.6	804.7	805.8	808.1	808.1
162.5°	804.7	805.8	803.6	804.7	803.6	804.7	805.8	806.9	808.1	808.1
165°	806.9	809.2	808.1	809.2	809.2	809.2	809.2	810.3	810.3	810.3
167.5°	806.9	809.2	808.1	808.1	809.2	809.2	810.3	811.4	811.4	811.4
170°	806.9	808.1	806.9	805.8	806.9	806.9	806.9	808.1	808.1	808.1
172.5°	805.8	806.9	804.7	803.6	803.6	803.6	802.4	802.4	801.3	801.3
175°	804.7	804.7	802.4	801.3	801.3	801.3	799.1	797.9	796.8	795.7
177.5°	803.6	803.6	800.2	799.1	799.1	797.9	797.9	795.7	795.7	794.6
180°	801.3	801.3	801.3	801.3	801.3	801.3	801.3	801.3	801.3	801.3

(END OF REPORT)