

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: P395587

Luminaire Tested: **I3-FL-50L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395587
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 (5700K)
Description: CORELITE I3, FROSTED TOP COVER
5000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4295.6 lumens
Efficiency: N/A
Efficacy: 117.4 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

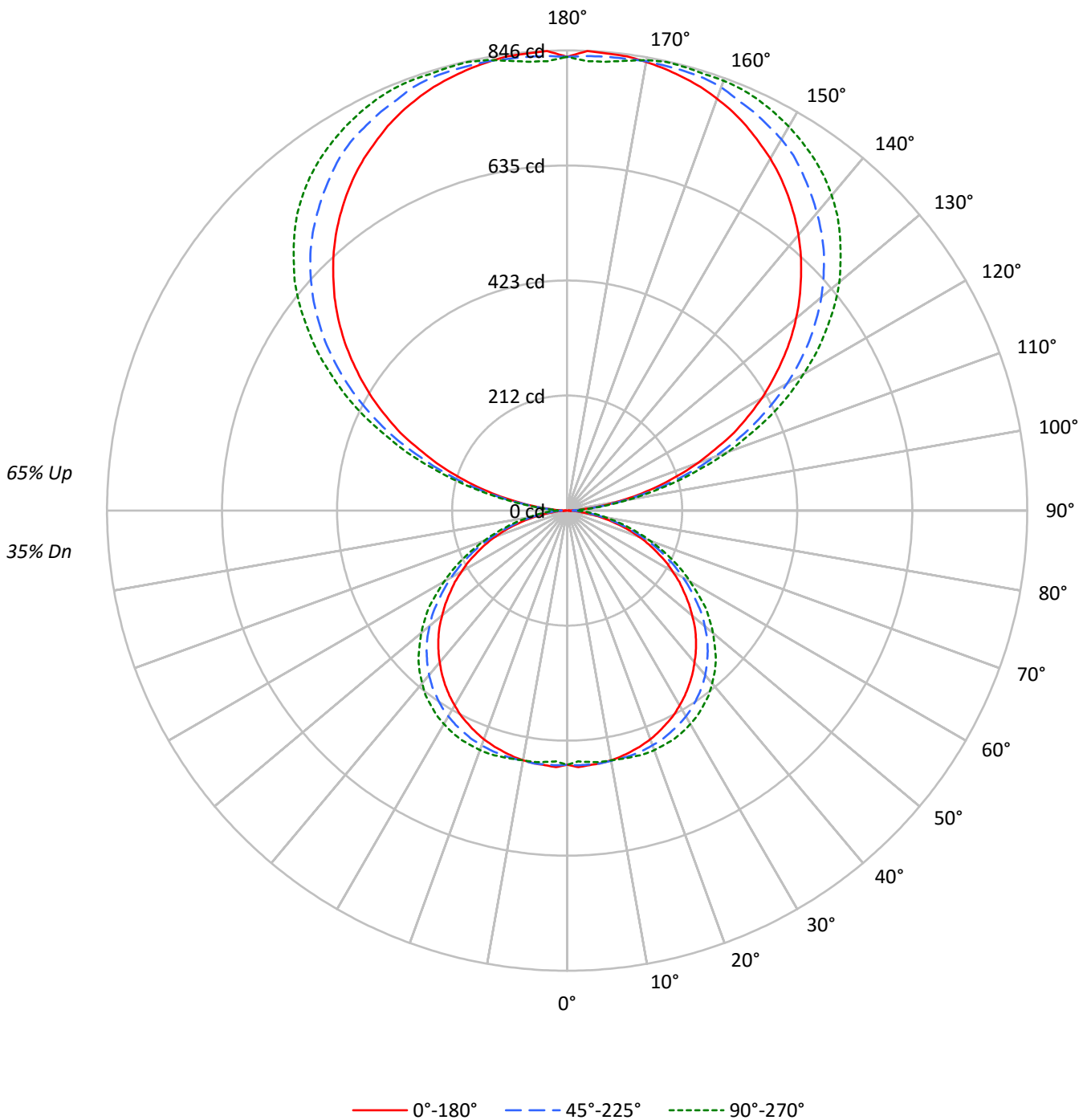
Input Watts (W): 36.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2569	2569	2569
5°	2582	2527	2487
10°	2583	2492	2458
15°	2577	2470	2448
20°	2578	2449	2444
25°	2570	2427	2435
30°	2561	2404	2413
35°	2549	2366	2377
40°	2524	2316	2325
45°	2498	2245	2254
50°	2441	2145	2143
55°	2370	2010	2015
60°	2290	1852	1820
65°	2177	1659	1617
70°	2023	1415	1366
75°	1761	1124	1086
80°	1374	799	795
85°	747	458	522



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CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (5700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.6	1.0
10°-20°	131.1	3.1
20°-30°	206.7	4.8
30°-40°	259.8	6.0
40°-50°	279.3	6.5
50°-60°	256.9	6.0
60°-70°	196.8	4.6
70°-80°	112.1	2.6
80°-90°	35.0	0.8
90°-100°	46.8	1.1
100°-110°	203.6	4.7
110°-120°	372.7	8.7
120°-130°	480.4	11.2
130°-140°	511.2	11.9
140°-150°	470.3	10.9
150°-160°	372.6	8.7
160°-170°	235.9	5.5
170°-180°	79.9	1.9
0°-30°	382.3	8.9
0°-40°	642.1	14.9
0°-60°	1178.3	27.4
0°-90°	1522.3	35.4
90°-120°	623.1	14.5
90°-150°	2084.9	48.5
90°-180°	2773.0	64.6
0°-180°	4295.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	467	467	467	467	467	
5°	470	465	469	466	464	45
15°	458	456	465	469	469	129
25°	432	433	450	460	464	199
35°	391	396	418	432	437	245
45°	335	343	366	381	387	258
55°	262	273	289	305	310	235
65°	183	189	200	210	213	181
75°	96	98	105	111	115	102
85°	18	22	29	38	40	22
90°	1	4	10	15	18	3
95°	32	30	34	39	40	39
105°	172	180	194	206	210	183
115°	338	354	382	402	412	332
125°	484	505	544	570	582	432
135°	608	628	668	696	710	469
145°	708	723	756	778	791	443
155°	780	790	809	826	833	360
165°	825	825	836	842	843	233
175°	843	838	838	834	828	80
180°	834	834	834	834	834	



TEST NUMBER: P395587

CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	467.4	467.4	467.4	467.4	467.4	467.4	467.4	467.4	467.4	467.4	467.4
2.5°	472.1	470.9	469.7	467.4	467.4	466.2	466.2	466.2	466.2	467.4	468.6
5°	469.7	469.7	468.6	466.2	466.2	465.0	465.0	466.2	465.0	466.2	468.6
7.5°	468.6	468.6	467.4	465.0	465.0	465.0	465.0	465.0	465.0	466.2	468.6
10°	466.2	466.2	463.9	462.7	462.7	462.7	462.7	463.9	463.9	465.0	467.4
12.5°	462.7	461.5	460.4	459.2	459.2	459.2	460.4	461.5	461.5	463.9	466.2
15°	458.0	458.0	456.8	455.7	455.7	455.7	456.8	458.0	459.2	461.5	465.0
17.5°	453.3	453.3	452.2	452.2	452.2	452.2	453.3	454.5	456.8	459.2	462.7
20°	447.5	447.5	446.3	446.3	446.3	447.5	447.5	449.8	452.2	455.7	459.2
22.5°	440.4	440.4	440.4	439.3	440.4	441.6	442.8	445.1	447.5	451.0	455.7
25°	432.2	432.2	432.2	432.2	433.4	433.4	435.8	438.1	440.4	445.1	449.8
27.5°	424.0	424.0	424.0	422.9	425.2	426.4	427.6	431.1	433.4	439.3	444.0
30°	413.5	413.5	413.5	414.7	415.8	417.0	419.4	422.9	425.2	431.1	436.9
32.5°	403.0	403.0	403.0	403.0	406.5	407.6	408.8	412.3	417.0	422.9	428.7
35°	391.2	391.2	391.2	392.4	394.8	395.9	398.3	401.8	406.5	412.3	418.2
37.5°	378.4	379.5	379.5	380.7	383.0	385.4	387.7	391.2	395.9	401.8	407.6
40°	364.3	365.5	365.5	366.6	369.0	371.3	373.7	378.4	383.0	388.9	394.8
42.5°	350.2	351.4	351.4	353.8	356.1	358.4	360.8	365.5	370.2	376.0	380.7
45°	335.0	336.2	336.2	338.5	342.0	343.2	346.7	351.4	356.1	360.8	365.5
47.5°	318.6	319.8	319.8	322.1	325.6	328.0	330.3	335.0	338.5	344.4	349.1
50°	299.9	301.0	302.2	304.6	309.2	311.6	313.9	317.4	322.1	325.6	330.3
52.5°	282.3	282.3	283.5	285.8	289.3	291.7	292.8	296.4	302.2	306.9	311.6
55°	262.4	263.6	264.7	267.1	270.6	272.9	274.1	277.6	281.1	284.6	289.3
57.5°	244.8	244.8	246.0	248.3	251.8	253.0	254.2	256.5	261.2	264.7	268.2
60°	223.7	224.9	226.1	228.4	230.8	233.1	233.1	236.6	240.1	243.7	246.0
62.5°	205.0	205.0	206.2	208.5	209.7	212.0	212.0	215.5	217.9	221.4	223.7
65°	182.7	183.9	185.1	186.3	188.6	188.6	189.8	192.1	194.5	196.8	200.3
67.5°	162.8	162.8	164.0	165.2	166.3	166.3	167.5	169.9	172.2	174.5	176.9
70°	140.6	141.7	141.7	141.7	142.9	144.1	145.3	146.4	148.8	149.9	152.3
72.5°	118.3	118.3	119.5	119.5	120.7	121.8	123.0	124.2	125.3	127.7	128.9
75°	96.1	96.1	97.2	97.2	98.4	98.4	98.4	100.7	101.9	104.3	105.4
77.5°	73.8	75.0	75.0	75.0	76.1	77.3	77.3	78.5	80.8	82.0	83.2
80°	53.9	53.9	53.9	53.9	55.1	56.2	57.4	57.4	59.7	62.1	63.3
82.5°	34.0	34.0	35.1	36.3	36.3	37.5	38.7	39.8	42.2	43.3	44.5
85°	17.6	17.6	18.7	19.9	21.1	22.3	22.3	23.4	25.8	28.1	29.3
87.5°	5.9	7.0	7.0	8.2	9.4	10.5	11.7	12.9	15.2	17.6	18.7
90°	1.2	1.2	1.2	2.3	3.5	3.5	4.7	5.9	7.0	8.2	10.5
92.5°	10.5	10.5	9.4	10.5	10.5	10.5	10.5	11.7	12.9	12.9	15.2
95°	31.6	30.5	30.5	30.5	30.5	30.5	30.5	31.6	32.8	32.8	34.0
97.5°	60.9	60.9	59.7	59.7	60.9	60.9	60.9	62.1	64.4	63.3	65.6
100°	94.9	94.9	93.7	94.9	96.1	97.2	99.6	99.6	101.9	101.9	105.4
102.5°	133.5	133.5	132.4	134.7	135.9	138.2	138.2	140.6	144.1	144.1	148.8
105°	172.2	173.4	173.4	175.7	178.1	180.4	180.4	183.9	188.6	188.6	194.5
107.5°	214.4	215.5	215.5	217.9	220.2	222.6	223.7	228.4	233.1	234.3	241.3
110°	255.4	256.5	257.7	260.0	262.4	265.9	268.2	272.9	278.8	281.1	287.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	294.0	298.7	299.9	303.4	306.9	310.4	312.8	318.6	325.6	329.2	336.2
115°	338.5	340.9	342.0	345.6	350.2	353.8	356.1	362.0	369.0	373.7	381.9
117.5°	374.8	380.7	381.9	385.4	390.1	393.6	395.9	403.0	411.2	417.0	425.2
120°	413.5	418.2	422.9	425.2	428.7	433.4	435.8	442.8	452.2	458.0	467.4
122.5°	448.6	453.3	458.0	461.5	466.2	468.6	472.1	480.3	489.6	496.7	506.0
125°	483.8	489.6	493.2	496.7	502.5	504.9	508.4	516.6	526.0	534.2	543.5
127.5°	517.8	521.3	527.1	529.5	535.3	537.7	541.2	550.6	559.9	568.1	577.5
130°	549.4	554.1	558.8	559.9	567.0	570.5	574.0	582.2	592.7	600.9	610.3
132.5°	579.8	582.2	588.0	591.6	597.4	600.9	604.4	611.5	622.0	630.2	639.6
135°	608.0	610.3	617.3	620.8	624.4	627.9	632.6	639.6	650.1	658.3	667.7
137.5°	636.1	638.4	645.4	649.0	651.3	654.8	658.3	665.4	675.9	684.1	692.3
140°	661.8	664.2	668.9	673.6	675.9	678.2	681.8	688.8	698.2	706.4	714.6
142.5°	685.3	687.6	692.3	697.0	700.5	700.5	704.0	709.9	720.4	728.6	735.6
145°	707.5	708.7	713.4	718.1	722.8	722.8	723.9	729.8	739.1	748.5	755.5
147.5°	728.6	729.8	733.3	738.0	741.5	742.7	745.0	747.3	756.7	766.1	774.3
150°	747.3	748.5	750.9	755.5	757.9	760.2	762.6	763.7	770.8	779.0	788.3
152.5°	763.7	764.9	767.3	770.8	773.1	775.5	777.8	781.3	784.8	793.0	798.9
155°	780.1	781.3	782.5	786.0	788.3	789.5	790.7	795.4	798.9	803.6	809.4
157.5°	794.2	794.2	795.4	797.7	800.1	800.1	801.2	805.9	809.4	814.1	817.6
160°	805.9	805.9	807.1	809.4	809.4	810.6	811.8	815.3	817.6	823.5	828.2
162.5°	816.5	815.3	816.5	817.6	817.6	817.6	818.8	821.1	824.7	829.3	834.0
165°	824.7	824.7	824.7	825.8	825.8	824.7	824.7	827.0	829.3	832.9	836.4
167.5°	831.7	831.7	830.5	831.7	830.5	830.5	829.3	830.5	831.7	835.2	837.5
170°	837.5	836.4	836.4	836.4	835.2	834.0	834.0	834.0	834.0	836.4	838.7
172.5°	842.2	841.1	839.9	839.9	837.5	836.4	836.4	835.2	835.2	836.4	837.5
175°	843.4	842.2	841.1	841.1	838.7	837.5	836.4	836.4	835.2	836.4	837.5
177.5°	845.7	844.6	842.2	842.2	839.9	837.5	837.5	836.4	835.2	836.4	836.4
180°	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	467.4	467.4	467.4	467.4	467.4	467.4	467.4	467.4	467.4	467.4
2.5°	469.7	469.7	468.6	467.4	467.4	466.2	465.0	463.9	462.7	461.5
5°	469.7	468.6	467.4	467.4	466.2	466.2	466.2	465.0	463.9	463.9
7.5°	469.7	469.7	468.6	467.4	467.4	467.4	467.4	467.4	466.2	466.2
10°	469.7	468.6	468.6	468.6	467.4	468.6	468.6	467.4	467.4	466.2
12.5°	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	468.6	467.4
15°	466.2	467.4	467.4	468.6	468.6	468.6	469.7	469.7	468.6	468.6
17.5°	465.0	466.2	467.4	468.6	468.6	468.6	469.7	469.7	469.7	469.7
20°	462.7	463.9	465.0	466.2	466.2	467.4	467.4	468.6	468.6	468.6
22.5°	458.0	459.2	461.5	462.7	463.9	465.0	466.2	466.2	466.2	466.2
25°	453.3	455.7	456.8	459.2	460.4	461.5	462.7	462.7	462.7	463.9
27.5°	447.5	449.8	453.3	454.5	455.7	456.8	458.0	459.2	459.2	459.2
30°	440.4	444.0	446.3	448.6	449.8	451.0	452.2	452.2	453.3	453.3
32.5°	432.2	435.8	438.1	440.4	441.6	442.8	445.1	445.1	446.3	446.3
35°	421.7	425.2	428.7	431.1	432.2	433.4	435.8	436.9	436.9	436.9
37.5°	411.2	414.7	418.2	421.7	422.9	424.0	426.4	426.4	427.6	427.6
40°	398.3	401.8	405.3	408.8	408.8	411.2	412.3	413.5	414.7	414.7
42.5°	385.4	388.9	391.2	394.8	395.9	397.1	398.3	400.6	400.6	401.8
45°	370.2	373.7	376.0	379.5	380.7	381.9	384.2	385.4	386.6	386.6
47.5°	353.8	356.1	358.4	362.0	364.3	365.5	366.6	367.8	369.0	367.8
50°	335.0	337.4	340.9	344.4	345.6	346.7	349.1	349.1	350.2	350.2
52.5°	315.1	318.6	321.0	324.5	325.6	326.8	329.2	329.2	330.3	330.3
55°	292.8	295.2	297.5	303.4	304.6	305.7	308.1	308.1	309.2	310.4
57.5°	271.8	272.9	276.4	278.8	281.1	281.1	282.3	283.5	284.6	284.6
60°	249.5	250.7	253.0	256.5	256.5	257.7	260.0	260.0	261.2	261.2
62.5°	226.1	228.4	230.8	234.3	233.1	234.3	236.6	236.6	237.8	237.8
65°	202.7	203.8	206.2	208.5	209.7	209.7	210.9	212.0	213.2	213.2
67.5°	178.1	180.4	181.6	185.1	183.9	185.1	186.3	186.3	187.4	187.4
70°	154.6	155.8	158.1	159.3	159.3	160.5	161.7	161.7	161.7	162.8
72.5°	131.2	132.4	133.5	134.7	134.7	135.9	137.1	137.1	138.2	138.2
75°	106.6	108.9	110.1	112.5	111.3	112.5	114.8	114.8	114.8	114.8
77.5°	85.5	86.7	89.0	90.2	90.2	90.2	92.5	91.4	92.5	92.5
80°	64.4	65.6	67.9	69.1	69.1	70.3	71.5	71.5	71.5	72.6
82.5°	45.7	48.0	50.4	51.5	51.5	52.7	53.9	53.9	55.1	55.1
85°	31.6	34.0	36.3	36.3	37.5	38.7	39.8	39.8	39.8	39.8
87.5°	21.1	22.3	23.4	24.6	25.8	25.8	26.9	26.9	28.1	28.1
90°	11.7	12.9	14.1	15.2	15.2	16.4	16.4	17.6	17.6	17.6
92.5°	16.4	16.4	17.6	18.7	18.7	18.7	18.7	19.9	19.9	19.9
95°	35.1	36.3	36.3	38.7	38.7	38.7	39.8	39.8	39.8	39.8
97.5°	67.9	67.9	67.9	70.3	70.3	70.3	71.5	71.5	71.5	72.6
100°	106.6	107.8	107.8	111.3	110.1	112.5	112.5	112.5	112.5	113.6
102.5°	149.9	152.3	153.5	157.0	157.0	157.0	159.3	158.1	159.3	159.3
105°	196.8	199.1	200.3	203.8	206.2	206.2	208.5	207.3	208.5	209.7
107.5°	243.7	247.2	249.5	253.0	255.4	256.5	256.5	257.7	258.9	260.0
110°	291.7	295.2	301.0	304.6	305.7	308.1	309.2	310.4	311.6	313.9



TEST NUMBER: P395587

CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	342.0	345.6	350.2	354.9	353.8	357.3	359.6	360.8	362.0	360.8
115°	387.7	392.4	397.1	401.8	401.8	404.1	408.8	410.0	410.0	412.3
117.5°	431.1	436.9	441.6	446.3	447.5	449.8	453.3	456.8	456.8	459.2
120°	473.2	480.3	485.0	489.6	492.0	493.2	496.7	501.4	501.4	501.4
122.5°	513.1	518.9	524.8	529.5	531.8	534.2	536.5	542.4	542.4	544.7
125°	550.6	557.6	563.4	568.1	570.5	572.8	577.5	581.0	582.2	582.2
127.5°	585.7	592.7	598.6	604.4	605.6	608.0	612.6	617.3	618.5	619.7
130°	618.5	625.5	631.4	637.2	639.6	640.8	646.6	650.1	652.5	653.6
132.5°	647.8	654.8	660.7	666.5	668.9	671.2	674.7	680.6	681.8	681.8
135°	674.7	681.8	687.6	694.6	695.8	698.2	702.8	706.4	708.7	709.9
137.5°	699.3	706.4	713.4	719.2	721.6	722.8	727.4	732.1	734.5	735.6
140°	721.6	728.6	735.6	740.3	741.5	745.0	748.5	753.2	755.5	756.7
142.5°	742.7	748.5	754.4	760.2	761.4	763.7	767.3	771.9	774.3	775.5
145°	761.4	767.3	771.9	776.6	777.8	780.1	783.7	787.2	789.5	790.7
147.5°	779.0	783.7	788.3	791.9	793.0	795.4	797.7	800.1	802.4	803.6
150°	794.2	796.5	801.2	803.6	804.7	807.1	809.4	811.8	814.1	815.3
152.5°	805.9	809.4	811.8	815.3	816.5	817.6	820.0	822.3	824.7	824.7
155°	815.3	818.8	821.1	824.7	825.8	827.0	829.3	830.5	832.9	832.9
157.5°	822.3	825.8	828.2	830.5	831.7	832.9	834.0	836.4	838.7	838.7
160°	830.5	831.7	832.9	835.2	835.2	836.4	837.5	838.7	841.1	841.1
162.5°	837.5	838.7	836.4	837.5	836.4	837.5	838.7	839.9	841.1	841.1
165°	839.9	842.2	841.1	842.2	842.2	842.2	842.2	843.4	843.4	843.4
167.5°	839.9	842.2	841.1	841.1	842.2	842.2	843.4	844.6	844.6	844.6
170°	839.9	841.1	839.9	838.7	839.9	839.9	839.9	841.1	841.1	841.1
172.5°	838.7	839.9	837.5	836.4	836.4	836.4	835.2	835.2	834.0	834.0
175°	837.5	837.5	835.2	834.0	834.0	834.0	831.7	830.5	829.3	828.2
177.5°	836.4	836.4	832.9	831.7	831.7	830.5	830.5	828.2	828.2	827.0
180°	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0	834.0

(END OF REPORT)