

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: P395588

Luminaire Tested: **I3-FL-50L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395588
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 (6500K)
Description: CORELITE I3, FROSTED TOP COVER
5000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4322.9 lumens
Efficiency: N/A
Efficacy: 116.2 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

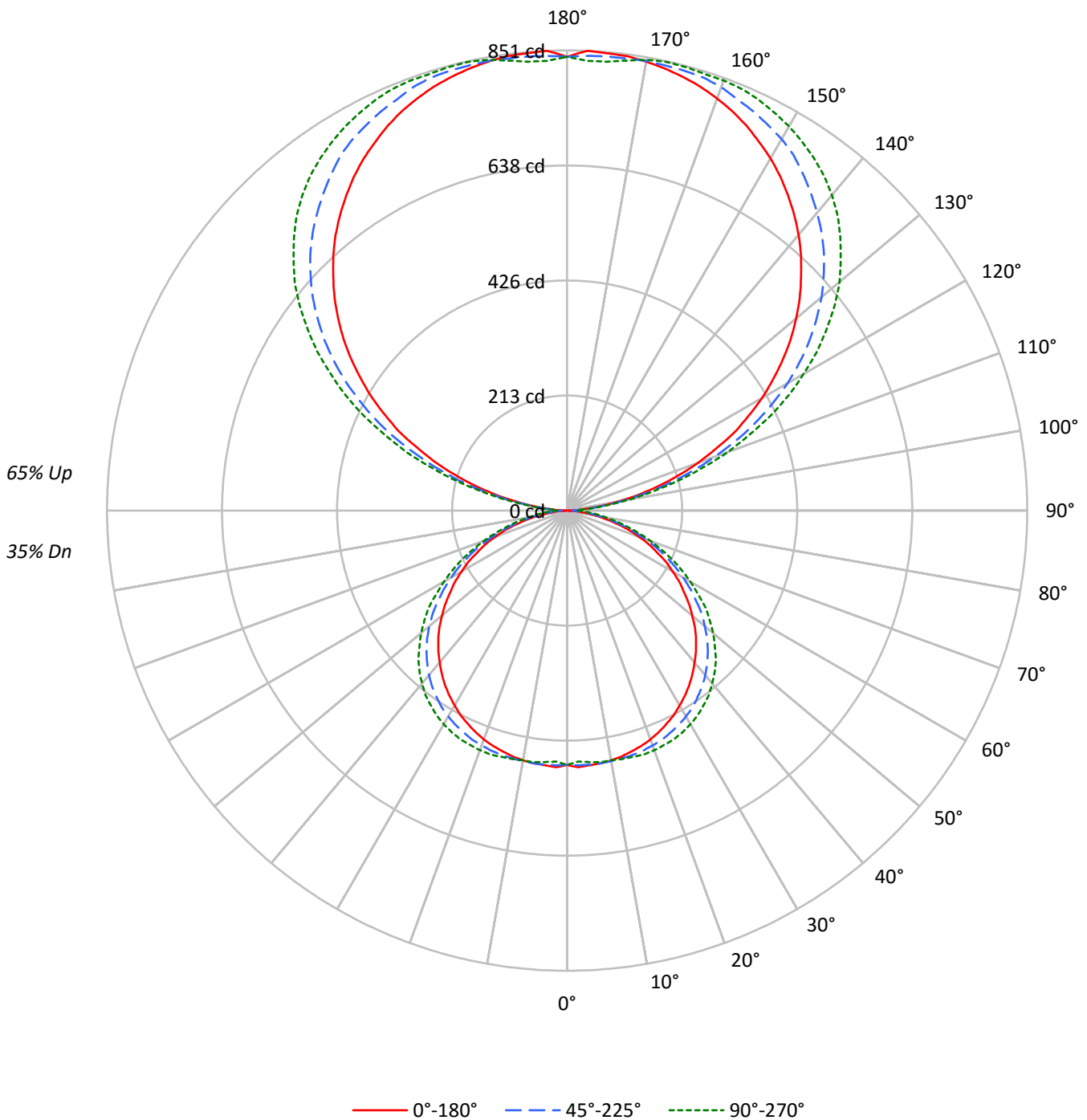
Input Watts (W): 37.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2586	2586	2586
5°	2598	2542	2503
10°	2599	2508	2473
15°	2593	2486	2463
20°	2594	2465	2460
25°	2587	2443	2450
30°	2578	2419	2428
35°	2565	2381	2392
40°	2540	2331	2340
45°	2514	2259	2268
50°	2456	2159	2157
55°	2386	2023	2028
60°	2306	1864	1832
65°	2192	1670	1628
70°	2036	1424	1375
75°	1772	1131	1093
80°	1382	804	801
85°	751	461	526



TEST NUMBER: P395588

CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (6500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.8	1.0
10°-20°	131.9	3.1
20°-30°	208.0	4.8
30°-40°	261.4	6.0
40°-50°	281.1	6.5
50°-60°	258.6	6.0
60°-70°	198.1	4.6
70°-80°	112.8	2.6
80°-90°	35.2	0.8
90°-100°	47.1	1.1
100°-110°	204.9	4.7
110°-120°	375.1	8.7
120°-130°	483.5	11.2
130°-140°	514.4	11.9
140°-150°	473.3	10.9
150°-160°	375.0	8.7
160°-170°	237.4	5.5
170°-180°	80.4	1.9
0°-30°	384.7	8.9
0°-40°	646.2	14.9
0°-60°	1185.8	27.4
0°-90°	1531.9	35.4
90°-120°	627.0	14.5
90°-150°	2098.2	48.5
90°-180°	2791.0	64.6
0°-180°	4322.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	470	470	470	470	470	
5°	473	468	472	469	467	45
15°	461	459	468	472	472	130
25°	435	436	453	463	467	201
35°	394	398	421	435	440	246
45°	337	345	368	383	389	260
55°	264	275	291	306	312	237
65°	184	190	202	211	215	182
75°	97	99	106	112	116	102
85°	18	22	30	38	40	22
90°	1	4	11	15	18	3
95°	32	31	34	39	40	40
105°	173	182	196	208	211	184
115°	341	356	384	404	415	334
125°	487	508	547	574	586	435
135°	612	632	672	700	714	472
145°	712	727	760	783	796	446
155°	785	794	815	831	838	362
165°	830	830	842	848	849	235
175°	849	843	843	839	833	81
180°	839	839	839	839	839	



TEST NUMBER: P395588

CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	470.4	470.4	470.4	470.4	470.4	470.4	470.4	470.4	470.4	470.4	470.4
2.5°	475.1	473.9	472.7	470.4	470.4	469.2	469.2	469.2	469.2	470.4	471.5
5°	472.7	472.7	471.5	469.2	469.2	468.0	468.0	469.2	468.0	469.2	471.5
7.5°	471.5	471.5	470.4	468.0	468.0	468.0	468.0	468.0	468.0	469.2	471.5
10°	469.2	469.2	466.8	465.6	465.6	465.6	465.6	466.8	466.8	468.0	470.4
12.5°	465.6	464.5	463.3	462.1	462.1	462.1	463.3	464.5	464.5	466.8	469.2
15°	460.9	460.9	459.8	458.6	458.6	458.6	459.8	460.9	462.1	464.5	468.0
17.5°	456.2	456.2	455.0	455.0	455.0	455.0	456.2	457.4	459.8	462.1	465.6
20°	450.3	450.3	449.1	449.1	449.1	450.3	450.3	452.7	455.0	458.6	462.1
22.5°	443.2	443.2	443.2	442.1	443.2	444.4	445.6	448.0	450.3	453.9	458.6
25°	435.0	435.0	435.0	435.0	436.2	436.2	438.5	440.9	443.2	448.0	452.7
27.5°	426.7	426.7	426.7	425.6	427.9	429.1	430.3	433.8	436.2	442.1	446.8
30°	416.1	416.1	416.1	417.3	418.5	419.7	422.0	425.6	427.9	433.8	439.7
32.5°	405.5	405.5	405.5	405.5	409.1	410.2	411.4	415.0	419.7	425.6	431.5
35°	393.7	393.7	393.7	394.9	397.3	398.5	400.8	404.3	409.1	415.0	420.8
37.5°	380.8	381.9	381.9	383.1	385.5	387.8	390.2	393.7	398.5	404.3	410.2
40°	366.6	367.8	367.8	369.0	371.3	373.7	376.1	380.8	385.5	391.4	397.3
42.5°	352.5	353.7	353.7	356.0	358.4	360.7	363.1	367.8	372.5	378.4	383.1
45°	337.2	338.3	338.3	340.7	344.2	345.4	348.9	353.7	358.4	363.1	367.8
47.5°	320.6	321.8	321.8	324.2	327.7	330.1	332.4	337.2	340.7	346.6	351.3
50°	301.8	303.0	304.1	306.5	311.2	313.6	315.9	319.5	324.2	327.7	332.4
52.5°	284.1	284.1	285.3	287.6	291.2	293.5	294.7	298.2	304.1	308.9	313.6
55°	264.1	265.2	266.4	268.8	272.3	274.7	275.9	279.4	282.9	286.5	291.2
57.5°	246.4	246.4	247.6	249.9	253.5	254.6	255.8	258.2	262.9	266.4	270.0
60°	225.2	226.3	227.5	229.9	232.2	234.6	234.6	238.1	241.7	245.2	247.6
62.5°	206.3	206.3	207.5	209.8	211.0	213.4	213.4	216.9	219.3	222.8	225.2
65°	183.9	185.1	186.3	187.4	189.8	189.8	191.0	193.3	195.7	198.0	201.6
67.5°	163.9	163.9	165.0	166.2	167.4	167.4	168.6	170.9	173.3	175.6	178.0
70°	141.5	142.6	142.6	142.6	143.8	145.0	146.2	147.4	149.7	150.9	153.3
72.5°	119.1	119.1	120.2	120.2	121.4	122.6	123.8	125.0	126.1	128.5	129.7
75°	96.7	96.7	97.8	97.8	99.0	99.0	99.0	101.4	102.6	104.9	106.1
77.5°	74.3	75.4	75.4	75.4	76.6	77.8	77.8	79.0	81.3	82.5	83.7
80°	54.2	54.2	54.2	54.2	55.4	56.6	57.8	57.8	60.1	62.5	63.7
82.5°	34.2	34.2	35.4	36.5	36.5	37.7	38.9	40.1	42.4	43.6	44.8
85°	17.7	17.7	18.9	20.0	21.2	22.4	22.4	23.6	25.9	28.3	29.5
87.5°	5.9	7.1	7.1	8.3	9.4	10.6	11.8	13.0	15.3	17.7	18.9
90°	1.2	1.2	1.2	2.4	3.5	3.5	4.7	5.9	7.1	8.3	10.6
92.5°	10.6	10.6	9.4	10.6	10.6	10.6	10.6	11.8	13.0	13.0	15.3
95°	31.8	30.7	30.7	30.7	30.7	30.7	30.7	31.8	33.0	33.0	34.2
97.5°	61.3	61.3	60.1	60.1	61.3	61.3	61.3	62.5	64.8	63.7	66.0
100°	95.5	95.5	94.3	95.5	96.7	97.8	100.2	100.2	102.6	102.6	106.1
102.5°	134.4	134.4	133.2	135.6	136.7	139.1	139.1	141.5	145.0	145.0	149.7
105°	173.3	174.5	174.5	176.8	179.2	181.5	181.5	185.1	189.8	189.8	195.7
107.5°	215.7	216.9	216.9	219.3	221.6	224.0	225.2	229.9	234.6	235.8	242.8
110°	257.0	258.2	259.3	261.7	264.1	267.6	270.0	274.7	280.6	282.9	288.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	295.9	300.6	301.8	305.3	308.9	312.4	314.8	320.6	327.7	331.3	338.3
115°	340.7	343.0	344.2	347.8	352.5	356.0	358.4	364.3	371.3	376.1	384.3
117.5°	377.2	383.1	384.3	387.8	392.6	396.1	398.5	405.5	413.8	419.7	427.9
120°	416.1	420.8	425.6	427.9	431.5	436.2	438.5	445.6	455.0	460.9	470.4
122.5°	451.5	456.2	460.9	464.5	469.2	471.5	475.1	483.3	492.8	499.8	509.3
125°	486.9	492.8	496.3	499.8	505.7	508.1	511.6	519.9	529.3	537.6	547.0
127.5°	521.1	524.6	530.5	532.8	538.7	541.1	544.6	554.1	563.5	571.7	581.2
130°	552.9	557.6	562.3	563.5	570.6	574.1	577.6	585.9	596.5	604.7	614.2
132.5°	583.5	585.9	591.8	595.3	601.2	604.7	608.3	615.4	626.0	634.2	643.7
135°	611.8	614.2	621.3	624.8	628.3	631.9	636.6	643.7	654.3	662.5	671.9
137.5°	640.1	642.5	649.5	653.1	655.4	659.0	662.5	669.6	680.2	688.4	696.7
140°	666.0	668.4	673.1	677.8	680.2	682.6	686.1	693.2	702.6	710.8	719.1
142.5°	689.6	692.0	696.7	701.4	705.0	705.0	708.5	714.4	725.0	733.2	740.3
145°	712.0	713.2	717.9	722.6	727.3	727.3	728.5	734.4	743.9	753.3	760.4
147.5°	733.2	734.4	738.0	742.7	746.2	747.4	749.7	752.1	761.5	771.0	779.2
150°	752.1	753.3	755.6	760.4	762.7	765.1	767.4	768.6	775.7	783.9	793.4
152.5°	768.6	769.8	772.1	775.7	778.0	780.4	782.8	786.3	789.8	798.1	804.0
155°	785.1	786.3	787.5	791.0	793.4	794.5	795.7	800.4	804.0	808.7	814.6
157.5°	799.3	799.3	800.4	802.8	805.2	805.2	806.3	811.0	814.6	819.3	822.8
160°	811.0	811.0	812.2	814.6	814.6	815.8	816.9	820.5	822.8	828.7	833.4
162.5°	821.7	820.5	821.7	822.8	822.8	822.8	824.0	826.4	829.9	834.6	839.3
165°	829.9	829.9	829.9	831.1	831.1	829.9	829.9	832.3	834.6	838.2	841.7
167.5°	837.0	837.0	835.8	837.0	835.8	835.8	834.6	835.8	837.0	840.5	842.9
170°	842.9	841.7	841.7	841.7	840.5	839.3	839.3	839.3	839.3	841.7	844.1
172.5°	847.6	846.4	845.2	845.2	842.9	841.7	841.7	840.5	840.5	841.7	842.9
175°	848.8	847.6	846.4	846.4	844.1	842.9	841.7	841.7	840.5	841.7	842.9
177.5°	851.1	849.9	847.6	847.6	845.2	842.9	842.9	841.7	840.5	841.7	841.7
180°	839.3	839.3	839.3	839.3	839.3	839.3	839.3	839.3	839.3	839.3	839.3



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	470.4	470.4	470.4	470.4	470.4	470.4	470.4	470.4	470.4	470.4
2.5°	472.7	472.7	471.5	470.4	470.4	469.2	468.0	466.8	465.6	464.5
5°	472.7	471.5	470.4	470.4	469.2	469.2	469.2	468.0	466.8	466.8
7.5°	472.7	472.7	471.5	470.4	470.4	470.4	470.4	470.4	469.2	469.2
10°	472.7	471.5	471.5	471.5	470.4	471.5	471.5	470.4	470.4	469.2
12.5°	471.5	471.5	471.5	471.5	471.5	471.5	471.5	471.5	471.5	470.4
15°	469.2	470.4	470.4	471.5	471.5	471.5	472.7	472.7	471.5	471.5
17.5°	468.0	469.2	470.4	471.5	471.5	471.5	472.7	472.7	472.7	472.7
20°	465.6	466.8	468.0	469.2	469.2	470.4	470.4	471.5	471.5	471.5
22.5°	460.9	462.1	464.5	465.6	466.8	468.0	469.2	469.2	469.2	469.2
25°	456.2	458.6	459.8	462.1	463.3	464.5	465.6	465.6	465.6	466.8
27.5°	450.3	452.7	456.2	457.4	458.6	459.8	460.9	462.1	462.1	462.1
30°	443.2	446.8	449.1	451.5	452.7	453.9	455.0	455.0	456.2	456.2
32.5°	435.0	438.5	440.9	443.2	444.4	445.6	448.0	448.0	449.1	449.1
35°	424.4	427.9	431.5	433.8	435.0	436.2	438.5	439.7	439.7	439.7
37.5°	413.8	417.3	420.8	424.4	425.6	426.7	429.1	429.1	430.3	430.3
40°	400.8	404.3	407.9	411.4	411.4	413.8	415.0	416.1	417.3	417.3
42.5°	387.8	391.4	393.7	397.3	398.5	399.6	400.8	403.2	403.2	404.3
45°	372.5	376.1	378.4	381.9	383.1	384.3	386.7	387.8	389.0	389.0
47.5°	356.0	358.4	360.7	364.3	366.6	367.8	369.0	370.2	371.3	370.2
50°	337.2	339.5	343.0	346.6	347.8	348.9	351.3	351.3	352.5	352.5
52.5°	317.1	320.6	323.0	326.5	327.7	328.9	331.3	331.3	332.4	332.4
55°	294.7	297.1	299.4	305.3	306.5	307.7	310.0	310.0	311.2	312.4
57.5°	273.5	274.7	278.2	280.6	282.9	282.9	284.1	285.3	286.5	286.5
60°	251.1	252.3	254.6	258.2	258.2	259.3	261.7	261.7	262.9	262.9
62.5°	227.5	229.9	232.2	235.8	234.6	235.8	238.1	238.1	239.3	239.3
65°	203.9	205.1	207.5	209.8	211.0	211.0	212.2	213.4	214.6	214.6
67.5°	179.2	181.5	182.7	186.3	185.1	186.3	187.4	187.4	188.6	188.6
70°	155.6	156.8	159.1	160.3	160.3	161.5	162.7	162.7	162.7	163.9
72.5°	132.0	133.2	134.4	135.6	135.6	136.7	137.9	137.9	139.1	139.1
75°	107.3	109.6	110.8	113.2	112.0	113.2	115.5	115.5	115.5	115.5
77.5°	86.1	87.2	89.6	90.8	90.8	90.8	93.1	92.0	93.1	93.1
80°	64.8	66.0	68.4	69.6	69.6	70.7	71.9	71.9	71.9	73.1
82.5°	46.0	48.3	50.7	51.9	51.9	53.0	54.2	54.2	55.4	55.4
85°	31.8	34.2	36.5	36.5	37.7	38.9	40.1	40.1	40.1	40.1
87.5°	21.2	22.4	23.6	24.8	25.9	25.9	27.1	27.1	28.3	28.3
90°	11.8	13.0	14.1	15.3	15.3	16.5	16.5	17.7	17.7	17.7
92.5°	16.5	16.5	17.7	18.9	18.9	18.9	18.9	20.0	20.0	20.0
95°	35.4	36.5	36.5	38.9	38.9	38.9	40.1	40.1	40.1	40.1
97.5°	68.4	68.4	68.4	70.7	70.7	70.7	71.9	71.9	71.9	73.1
100°	107.3	108.5	108.5	112.0	110.8	113.2	113.2	113.2	113.2	114.3
102.5°	150.9	153.3	154.4	158.0	158.0	158.0	160.3	159.1	160.3	160.3
105°	198.0	200.4	201.6	205.1	207.5	207.5	209.8	208.7	209.8	211.0
107.5°	245.2	248.7	251.1	254.6	257.0	258.2	258.2	259.3	260.5	261.7
110°	293.5	297.1	303.0	306.5	307.7	310.0	311.2	312.4	313.6	315.9



TEST NUMBER: P395588

CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	344.2	347.8	352.5	357.2	356.0	359.5	361.9	363.1	364.3	363.1
115°	390.2	394.9	399.6	404.3	404.3	406.7	411.4	412.6	412.6	415.0
117.5°	433.8	439.7	444.4	449.1	450.3	452.7	456.2	459.8	459.8	462.1
120°	476.3	483.3	488.0	492.8	495.1	496.3	499.8	504.5	504.5	504.5
122.5°	516.3	522.2	528.1	532.8	535.2	537.6	539.9	545.8	545.8	548.2
125°	554.1	561.1	567.0	571.7	574.1	576.5	581.2	584.7	585.9	585.9
127.5°	589.4	596.5	602.4	608.3	609.5	611.8	616.5	621.3	622.4	623.6
130°	622.4	629.5	635.4	641.3	643.7	644.8	650.7	654.3	656.6	657.8
132.5°	651.9	659.0	664.9	670.8	673.1	675.5	679.0	684.9	686.1	686.1
135°	679.0	686.1	692.0	699.1	700.2	702.6	707.3	710.8	713.2	714.4
137.5°	703.8	710.8	717.9	723.8	726.2	727.3	732.1	736.8	739.1	740.3
140°	726.2	733.2	740.3	745.0	746.2	749.7	753.3	758.0	760.4	761.5
142.5°	747.4	753.3	759.2	765.1	766.3	768.6	772.1	776.9	779.2	780.4
145°	766.3	772.1	776.9	781.6	782.8	785.1	788.6	792.2	794.5	795.7
147.5°	783.9	788.6	793.4	796.9	798.1	800.4	802.8	805.2	807.5	808.7
150°	799.3	801.6	806.3	808.7	809.9	812.2	814.6	816.9	819.3	820.5
152.5°	811.0	814.6	816.9	820.5	821.7	822.8	825.2	827.6	829.9	829.9
155°	820.5	824.0	826.4	829.9	831.1	832.3	834.6	835.8	838.2	838.2
157.5°	827.6	831.1	833.4	835.8	837.0	838.2	839.3	841.7	844.1	844.1
160°	835.8	837.0	838.2	840.5	840.5	841.7	842.9	844.1	846.4	846.4
162.5°	842.9	844.1	841.7	842.9	841.7	842.9	844.1	845.2	846.4	846.4
165°	845.2	847.6	846.4	847.6	847.6	847.6	847.6	848.8	848.8	848.8
167.5°	845.2	847.6	846.4	846.4	847.6	847.6	848.8	849.9	849.9	849.9
170°	845.2	846.4	845.2	844.1	845.2	845.2	845.2	846.4	846.4	846.4
172.5°	844.1	845.2	842.9	841.7	841.7	841.7	840.5	840.5	839.3	839.3
175°	842.9	842.9	840.5	839.3	839.3	839.3	837.0	835.8	834.6	833.4
177.5°	841.7	841.7	838.2	837.0	837.0	835.8	835.8	833.4	833.4	832.3
180°	839.3	839.3	839.3	839.3	839.3	839.3	839.3	839.3	839.3	839.3

(END OF REPORT)