

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: P395586

Luminaire Tested: **I3-FL-50L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395586  
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 (5000K)  
Description: CORELITE I3, FROSTED TOP COVER  
5000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4209.0 lumens  
Efficiency: N/A  
Efficacy: 116.0 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

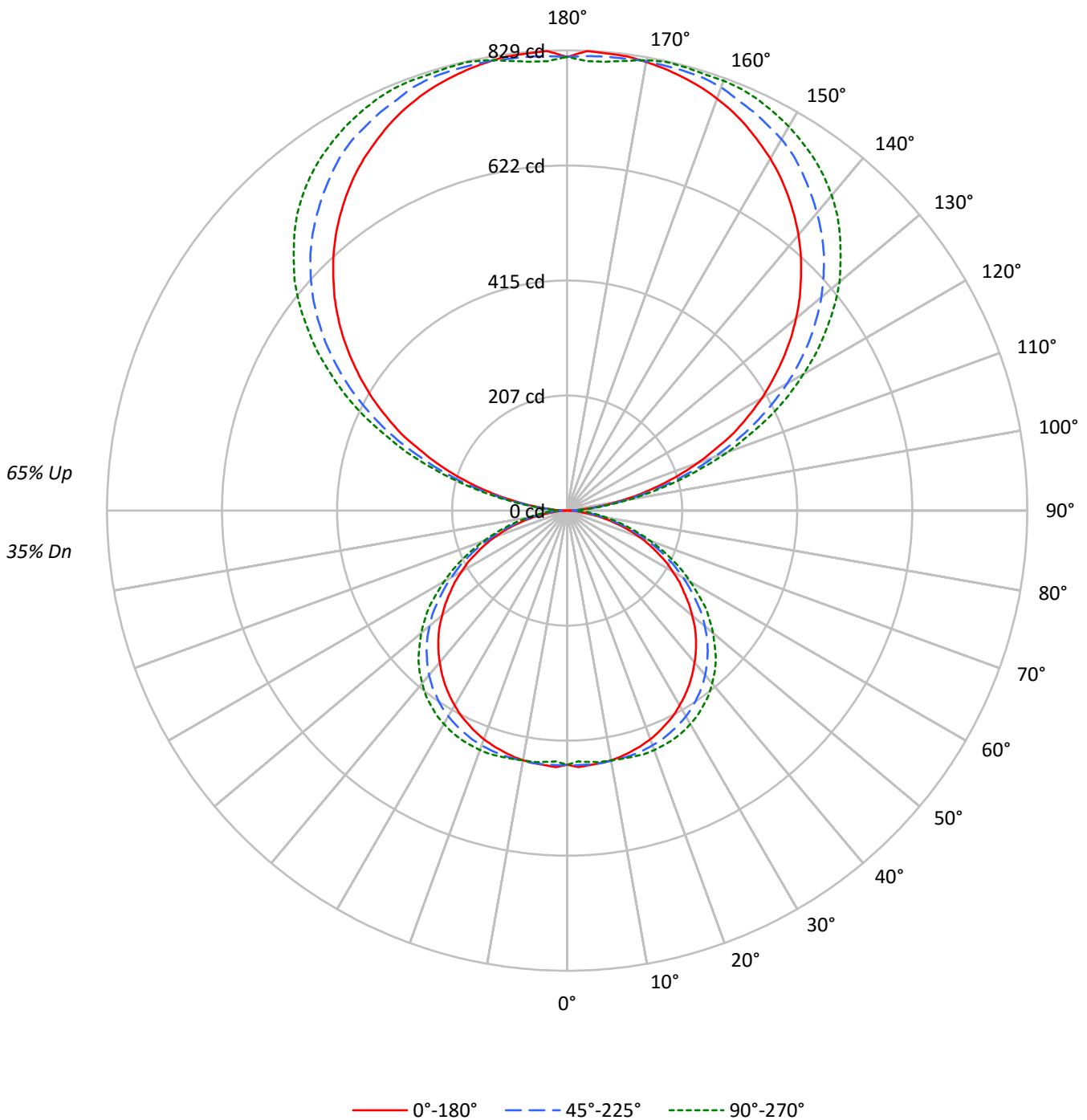
Input Watts (W): 36.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (5000K)

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	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	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°	2517	2517	2517
5°	2530	2476	2437
10°	2531	2442	2408
15°	2525	2421	2398
20°	2526	2399	2395
25°	2518	2379	2386
30°	2510	2356	2364
35°	2498	2318	2329
40°	2473	2269	2278
45°	2448	2199	2208
50°	2391	2102	2100
55°	2323	1969	1975
60°	2244	1814	1784
65°	2135	1626	1584
70°	1981	1386	1338
75°	1725	1101	1065
80°	1346	783	780
85°	730	448	511



TEST NUMBER: P395586

CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (5000K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.7	1.0
10°-20°	128.4	3.1
20°-30°	202.5	4.8
30°-40°	254.5	6.0
40°-50°	273.7	6.5
50°-60°	251.8	6.0
60°-70°	192.9	4.6
70°-80°	109.8	2.6
80°-90°	34.3	0.8
90°-100°	45.9	1.1
100°-110°	199.5	4.7
110°-120°	365.2	8.7
120°-130°	470.7	11.2
130°-140°	500.9	11.9
140°-150°	460.8	10.9
150°-160°	365.1	8.7
160°-170°	231.2	5.5
170°-180°	78.3	1.9
0°-30°	374.6	8.9
0°-40°	629.2	14.9
0°-60°	1154.6	27.4
0°-90°	1491.6	35.4
90°-120°	610.5	14.5
90°-150°	2042.9	48.5
90°-180°	2717.0	64.6
0°-180°	4209.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	458	458	458	458	458	
5°	460	456	459	457	454	44
15°	449	446	456	459	459	127
25°	424	425	441	451	454	195
35°	383	388	410	424	428	240
45°	328	336	358	373	379	253
55°	257	267	284	298	304	230
65°	179	185	196	206	209	178
75°	94	96	103	109	112	100
85°	17	22	29	37	39	22
90°	1	3	10	15	17	2
95°	31	30	33	38	39	39
105°	169	177	190	202	206	180
115°	332	347	374	394	404	325
125°	474	495	533	559	570	423
135°	596	615	654	682	696	460
145°	693	708	740	762	775	434
155°	764	774	793	809	816	352
165°	808	808	820	825	826	228
175°	826	821	821	817	812	79
180°	817	817	817	817	817	



TEST NUMBER: P395586

CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0
2.5°	462.6	461.4	460.3	458.0	458.0	456.8	456.8	456.8	456.8	458.0	459.1
5°	460.3	460.3	459.1	456.8	456.8	455.7	455.7	456.8	455.7	456.8	459.1
7.5°	459.1	459.1	458.0	455.7	455.7	455.7	455.7	455.7	455.7	456.8	459.1
10°	456.8	456.8	454.5	453.4	453.4	453.4	453.4	454.5	454.5	455.7	458.0
12.5°	453.4	452.2	451.1	449.9	449.9	449.9	451.1	452.2	452.2	454.5	456.8
15°	448.8	448.8	447.6	446.5	446.5	446.5	447.6	448.8	449.9	452.2	455.7
17.5°	444.2	444.2	443.0	443.0	443.0	443.0	444.2	445.3	447.6	449.9	453.4
20°	438.5	438.5	437.3	437.3	437.3	438.5	438.5	440.8	443.0	446.5	449.9
22.5°	431.6	431.6	431.6	430.4	431.6	432.7	433.9	436.2	438.5	441.9	446.5
25°	423.5	423.5	423.5	423.5	424.7	424.7	427.0	429.3	431.6	436.2	440.8
27.5°	415.5	415.5	415.5	414.4	416.6	417.8	418.9	422.4	424.7	430.4	435.0
30°	405.2	405.2	405.2	406.3	407.5	408.6	410.9	414.4	416.6	422.4	428.1
32.5°	394.8	394.8	394.8	394.8	398.3	399.4	400.6	404.0	408.6	414.4	420.1
35°	383.4	383.4	383.4	384.5	386.8	388.0	390.2	393.7	398.3	404.0	409.8
37.5°	370.7	371.9	371.9	373.0	375.3	377.6	379.9	383.4	388.0	393.7	399.4
40°	357.0	358.1	358.1	359.3	361.6	363.9	366.1	370.7	375.3	381.1	386.8
42.5°	343.2	344.3	344.3	346.6	348.9	351.2	353.5	358.1	362.7	368.4	373.0
45°	328.3	329.4	329.4	331.7	335.2	336.3	339.7	344.3	348.9	353.5	358.1
47.5°	312.2	313.3	313.3	315.6	319.1	321.4	323.7	328.3	331.7	337.5	342.0
50°	293.8	295.0	296.1	298.4	303.0	305.3	307.6	311.1	315.6	319.1	323.7
52.5°	276.6	276.6	277.8	280.1	283.5	285.8	286.9	290.4	296.1	300.7	305.3
55°	257.1	258.3	259.4	261.7	265.1	267.4	268.6	272.0	275.5	278.9	283.5
57.5°	239.9	239.9	241.0	243.3	246.8	247.9	249.1	251.4	256.0	259.4	262.8
60°	219.2	220.4	221.5	223.8	226.1	228.4	228.4	231.9	235.3	238.7	241.0
62.5°	200.9	200.9	202.0	204.3	205.5	207.8	207.8	211.2	213.5	216.9	219.2
65°	179.1	180.2	181.4	182.5	184.8	184.8	185.9	188.2	190.5	192.8	196.3
67.5°	159.5	159.5	160.7	161.8	163.0	163.0	164.1	166.4	168.7	171.0	173.3
70°	137.7	138.9	138.9	138.9	140.0	141.2	142.3	143.5	145.8	146.9	149.2
72.5°	115.9	115.9	117.1	117.1	118.2	119.4	120.5	121.7	122.8	125.1	126.3
75°	94.1	94.1	95.3	95.3	96.4	96.4	96.4	98.7	99.9	102.2	103.3
77.5°	72.3	73.5	73.5	73.5	74.6	75.8	75.8	76.9	79.2	80.3	81.5
80°	52.8	52.8	52.8	52.8	53.9	55.1	56.2	56.2	58.5	60.8	62.0
82.5°	33.3	33.3	34.4	35.6	35.6	36.7	37.9	39.0	41.3	42.5	43.6
85°	17.2	17.2	18.4	19.5	20.7	21.8	21.8	23.0	25.3	27.5	28.7
87.5°	5.7	6.9	6.9	8.0	9.2	10.3	11.5	12.6	14.9	17.2	18.4
90°	1.1	1.1	1.1	2.3	3.4	3.4	4.6	5.7	6.9	8.0	10.3
92.5°	10.3	10.3	9.2	10.3	10.3	10.3	10.3	11.5	12.6	12.6	14.9
95°	31.0	29.8	29.8	29.8	29.8	29.8	29.8	31.0	32.1	32.1	33.3
97.5°	59.7	59.7	58.5	58.5	59.7	59.7	59.7	60.8	63.1	62.0	64.3
100°	93.0	93.0	91.8	93.0	94.1	95.3	97.6	97.6	99.9	99.9	103.3
102.5°	130.8	130.8	129.7	132.0	133.1	135.4	135.4	137.7	141.2	141.2	145.8
105°	168.7	169.9	169.9	172.2	174.5	176.8	176.8	180.2	184.8	184.8	190.5
107.5°	210.0	211.2	211.2	213.5	215.8	218.1	219.2	223.8	228.4	229.6	236.4
110°	250.2	251.4	252.5	254.8	257.1	260.5	262.8	267.4	273.2	275.5	281.2



TEST NUMBER: P395586

CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	288.1	292.7	293.8	297.3	300.7	304.2	306.5	312.2	319.1	322.5	329.4
115°	331.7	334.0	335.2	338.6	343.2	346.6	348.9	354.7	361.6	366.1	374.2
117.5°	367.3	373.0	374.2	377.6	382.2	385.7	388.0	394.8	402.9	408.6	416.6
120°	405.2	409.8	414.4	416.6	420.1	424.7	427.0	433.9	443.0	448.8	458.0
122.5°	439.6	444.2	448.8	452.2	456.8	459.1	462.6	470.6	479.8	486.7	495.8
125°	474.0	479.8	483.2	486.7	492.4	494.7	498.1	506.2	515.4	523.4	532.6
127.5°	507.3	510.8	516.5	518.8	524.5	526.8	530.3	539.5	548.6	556.7	565.9
130°	538.3	542.9	547.5	548.6	555.5	559.0	562.4	570.5	580.8	588.8	598.0
132.5°	568.2	570.5	576.2	579.6	585.4	588.8	592.3	599.1	609.5	617.5	626.7
135°	595.7	598.0	604.9	608.3	611.8	615.2	619.8	626.7	637.0	645.1	654.2
137.5°	623.3	625.5	632.4	635.9	638.2	641.6	645.1	651.9	662.3	670.3	678.3
140°	648.5	650.8	655.4	660.0	662.3	664.6	668.0	674.9	684.1	692.1	700.2
142.5°	671.5	673.8	678.3	682.9	686.4	686.4	689.8	695.6	705.9	713.9	720.8
145°	693.3	694.4	699.0	703.6	708.2	708.2	709.3	715.1	724.3	733.4	740.3
147.5°	713.9	715.1	718.5	723.1	726.6	727.7	730.0	732.3	741.5	750.7	758.7
150°	732.3	733.4	735.7	740.3	742.6	744.9	747.2	748.4	755.2	763.3	772.5
152.5°	748.4	749.5	751.8	755.2	757.5	759.8	762.1	765.6	769.0	777.1	782.8
155°	764.4	765.6	766.7	770.2	772.5	773.6	774.8	779.4	782.8	787.4	793.1
157.5°	778.2	778.2	779.4	781.6	783.9	783.9	785.1	789.7	793.1	797.7	801.2
160°	789.7	789.7	790.8	793.1	793.1	794.3	795.4	798.9	801.2	806.9	811.5
162.5°	800.0	798.9	800.0	801.2	801.2	801.2	802.3	804.6	808.0	812.6	817.2
165°	808.0	808.0	808.0	809.2	809.2	808.0	808.0	810.3	812.6	816.1	819.5
167.5°	814.9	814.9	813.8	814.9	813.8	813.8	812.6	813.8	814.9	818.4	820.7
170°	820.7	819.5	819.5	819.5	818.4	817.2	817.2	817.2	817.2	819.5	821.8
172.5°	825.3	824.1	823.0	823.0	820.7	819.5	819.5	818.4	818.4	819.5	820.7
175°	826.4	825.3	824.1	824.1	821.8	820.7	819.5	819.5	818.4	819.5	820.7
177.5°	828.7	827.6	825.3	825.3	823.0	820.7	820.7	819.5	818.4	819.5	819.5
180°	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2



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CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0
2.5°	460.3	460.3	459.1	458.0	458.0	456.8	455.7	454.5	453.4	452.2
5°	460.3	459.1	458.0	458.0	456.8	456.8	456.8	455.7	454.5	454.5
7.5°	460.3	460.3	459.1	458.0	458.0	458.0	458.0	458.0	456.8	456.8
10°	460.3	459.1	459.1	459.1	458.0	459.1	459.1	458.0	458.0	456.8
12.5°	459.1	459.1	459.1	459.1	459.1	459.1	459.1	459.1	459.1	458.0
15°	456.8	458.0	458.0	459.1	459.1	459.1	460.3	460.3	459.1	459.1
17.5°	455.7	456.8	458.0	459.1	459.1	459.1	460.3	460.3	460.3	460.3
20°	453.4	454.5	455.7	456.8	456.8	458.0	458.0	459.1	459.1	459.1
22.5°	448.8	449.9	452.2	453.4	454.5	455.7	456.8	456.8	456.8	456.8
25°	444.2	446.5	447.6	449.9	451.1	452.2	453.4	453.4	453.4	454.5
27.5°	438.5	440.8	444.2	445.3	446.5	447.6	448.8	449.9	449.9	449.9
30°	431.6	435.0	437.3	439.6	440.8	441.9	443.0	443.0	444.2	444.2
32.5°	423.5	427.0	429.3	431.6	432.7	433.9	436.2	436.2	437.3	437.3
35°	413.2	416.6	420.1	422.4	423.5	424.7	427.0	428.1	428.1	428.1
37.5°	402.9	406.3	409.8	413.2	414.4	415.5	417.8	417.8	418.9	418.9
40°	390.2	393.7	397.1	400.6	400.6	402.9	404.0	405.2	406.3	406.3
42.5°	377.6	381.1	383.4	386.8	388.0	389.1	390.2	392.5	392.5	393.7
45°	362.7	366.1	368.4	371.9	373.0	374.2	376.5	377.6	378.8	378.8
47.5°	346.6	348.9	351.2	354.7	357.0	358.1	359.3	360.4	361.6	360.4
50°	328.3	330.6	334.0	337.5	338.6	339.7	342.0	342.0	343.2	343.2
52.5°	308.8	312.2	314.5	317.9	319.1	320.2	322.5	322.5	323.7	323.7
55°	286.9	289.2	291.5	297.3	298.4	299.6	301.9	301.9	303.0	304.2
57.5°	266.3	267.4	270.9	273.2	275.5	275.5	276.6	277.8	278.9	278.9
60°	244.5	245.6	247.9	251.4	251.4	252.5	254.8	254.8	256.0	256.0
62.5°	221.5	223.8	226.1	229.6	228.4	229.6	231.9	231.9	233.0	233.0
65°	198.6	199.7	202.0	204.3	205.5	205.5	206.6	207.8	208.9	208.9
67.5°	174.5	176.8	177.9	181.4	180.2	181.4	182.5	182.5	183.6	183.6
70°	151.5	152.7	155.0	156.1	156.1	157.2	158.4	158.4	158.4	159.5
72.5°	128.6	129.7	130.8	132.0	132.0	133.1	134.3	134.3	135.4	135.4
75°	104.4	106.7	107.9	110.2	109.0	110.2	112.5	112.5	112.5	112.5
77.5°	83.8	84.9	87.2	88.4	88.4	88.4	90.7	89.5	90.7	90.7
80°	63.1	64.3	66.6	67.7	67.7	68.9	70.0	70.0	70.0	71.2
82.5°	44.8	47.1	49.4	50.5	50.5	51.7	52.8	52.8	53.9	53.9
85°	31.0	33.3	35.6	35.6	36.7	37.9	39.0	39.0	39.0	39.0
87.5°	20.7	21.8	23.0	24.1	25.3	25.3	26.4	26.4	27.5	27.5
90°	11.5	12.6	13.8	14.9	14.9	16.1	16.1	17.2	17.2	17.2
92.5°	16.1	16.1	17.2	18.4	18.4	18.4	18.4	19.5	19.5	19.5
95°	34.4	35.6	35.6	37.9	37.9	37.9	39.0	39.0	39.0	39.0
97.5°	66.6	66.6	66.6	68.9	68.9	68.9	70.0	70.0	70.0	71.2
100°	104.4	105.6	105.6	109.0	107.9	110.2	110.2	110.2	110.2	111.3
102.5°	146.9	149.2	150.4	153.8	153.8	153.8	156.1	155.0	156.1	156.1
105°	192.8	195.1	196.3	199.7	202.0	202.0	204.3	203.2	204.3	205.5
107.5°	238.7	242.2	244.5	247.9	250.2	251.4	251.4	252.5	253.7	254.8
110°	285.8	289.2	295.0	298.4	299.6	301.9	303.0	304.2	305.3	307.6





TEST NUMBER: P395586

CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	335.2	338.6	343.2	347.8	346.6	350.1	352.4	353.5	354.7	353.5
115°	379.9	384.5	389.1	393.7	393.7	396.0	400.6	401.7	401.7	404.0
117.5°	422.4	428.1	432.7	437.3	438.5	440.8	444.2	447.6	447.6	449.9
120°	463.7	470.6	475.2	479.8	482.1	483.2	486.7	491.3	491.3	491.3
122.5°	502.7	508.5	514.2	518.8	521.1	523.4	525.7	531.4	531.4	533.7
125°	539.5	546.3	552.1	556.7	559.0	561.3	565.9	569.3	570.5	570.5
127.5°	573.9	580.8	586.5	592.3	593.4	595.7	600.3	604.9	606.0	607.2
130°	606.0	612.9	618.7	624.4	626.7	627.8	633.6	637.0	639.3	640.5
132.5°	634.7	641.6	647.4	653.1	655.4	657.7	661.1	666.9	668.0	668.0
135°	661.1	668.0	673.8	680.6	681.8	684.1	688.7	692.1	694.4	695.6
137.5°	685.2	692.1	699.0	704.7	707.0	708.2	712.8	717.4	719.7	720.8
140°	707.0	713.9	720.8	725.4	726.6	730.0	733.4	738.0	740.3	741.5
142.5°	727.7	733.4	739.2	744.9	746.1	748.4	751.8	756.4	758.7	759.8
145°	746.1	751.8	756.4	761.0	762.1	764.4	767.9	771.3	773.6	774.8
147.5°	763.3	767.9	772.5	775.9	777.1	779.4	781.6	783.9	786.2	787.4
150°	778.2	780.5	785.1	787.4	788.5	790.8	793.1	795.4	797.7	798.9
152.5°	789.7	793.1	795.4	798.9	800.0	801.2	803.5	805.8	808.0	808.0
155°	798.9	802.3	804.6	808.0	809.2	810.3	812.6	813.8	816.1	816.1
157.5°	805.8	809.2	811.5	813.8	814.9	816.1	817.2	819.5	821.8	821.8
160°	813.8	814.9	816.1	818.4	818.4	819.5	820.7	821.8	824.1	824.1
162.5°	820.7	821.8	819.5	820.7	819.5	820.7	821.8	823.0	824.1	824.1
165°	823.0	825.3	824.1	825.3	825.3	825.3	825.3	826.4	826.4	826.4
167.5°	823.0	825.3	824.1	824.1	825.3	825.3	826.4	827.6	827.6	827.6
170°	823.0	824.1	823.0	821.8	823.0	823.0	823.0	824.1	824.1	824.1
172.5°	821.8	823.0	820.7	819.5	819.5	819.5	818.4	818.4	817.2	817.2
175°	820.7	820.7	818.4	817.2	817.2	817.2	814.9	813.8	812.6	811.5
177.5°	819.5	819.5	816.1	814.9	814.9	813.8	813.8	811.5	811.5	810.3
180°	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2

(END OF REPORT)