

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: P395583

Luminaire Tested: **I3-FL-50L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395583
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 (3500K)
Description: CORELITE I3, FROSTED TOP COVER
5000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3899.3 lumens
Efficiency: N/A
Efficacy: 109.5 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

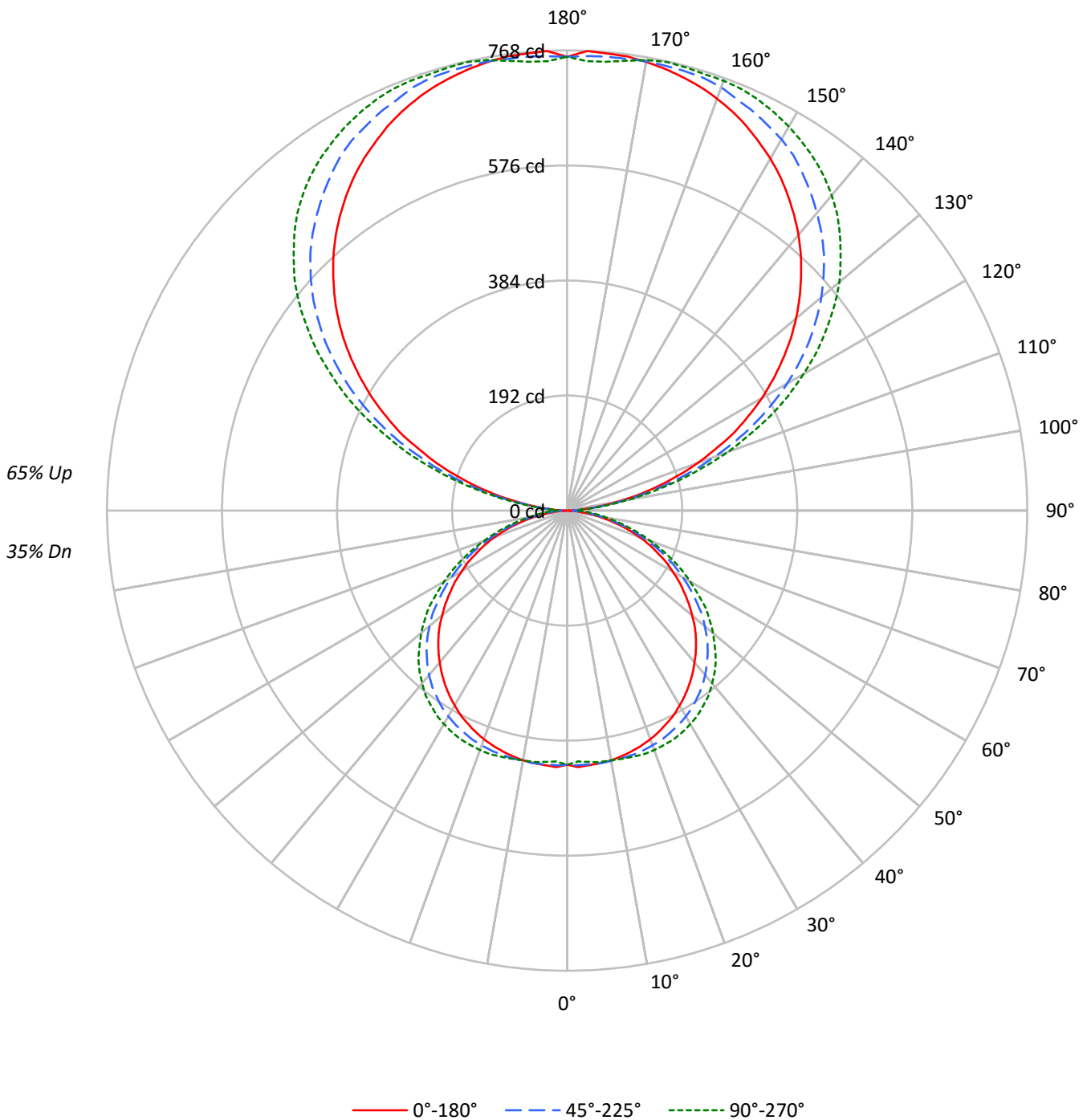
Input Watts (W): 35.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395583

CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (3500K)

Luminous Intensity Polar Plot





TEST NUMBER: P395583

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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	50	30	10	0		
RCR																										
0	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35					35			
1	94	90	86	83	85	81	78	75	66	63	61	51	49	48	37	36	36	29					29			
2	86	78	72	67	77	71	66	61	57	53	50	44	42	40	33	31	30	24					24			
3	78	69	61	55	70	62	56	51	50	46	42	39	36	33	29	27	25	20					20			
4	71	60	53	47	64	55	48	43	44	39	35	35	31	28	25	23	21	17					17			
5	65	54	46	40	59	49	42	36	39	34	30	31	27	24	23	20	18	15					15			
6	60	48	40	34	54	44	37	31	35	30	26	28	24	21	21	18	16	13					13			
7	55	43	35	30	50	39	32	27	32	27	23	25	21	18	19	16	14	11					11			
8	51	39	31	26	46	35	29	24	29	24	20	23	19	16	17	14	13	10					10			
9	47	35	28	23	43	32	26	21	26	21	18	21	17	15	16	13	11	9					9			
10	44	32	25	20	40	30	23	19	24	19	16	19	16	13	14	12	10	8					8			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2332	2332	2332
5°	2344	2293	2258
10°	2344	2262	2231
15°	2339	2242	2222
20°	2340	2223	2219
25°	2333	2203	2210
30°	2325	2182	2190
35°	2314	2147	2158
40°	2291	2102	2110
45°	2267	2038	2046
50°	2215	1948	1946
55°	2152	1824	1829
60°	2079	1681	1652
65°	1977	1506	1468
70°	1836	1284	1240
75°	1598	1020	986
80°	1247	725	722
85°	675	415	475



TEST NUMBER: P395583

CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (3500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.5	1.0
10°-20°	119.0	3.1
20°-30°	187.6	4.8
30°-40°	235.8	6.0
40°-50°	253.5	6.5
50°-60°	233.2	6.0
60°-70°	178.7	4.6
70°-80°	101.8	2.6
80°-90°	31.8	0.8
90°-100°	42.5	1.1
100°-110°	184.8	4.7
110°-120°	338.3	8.7
120°-130°	436.1	11.2
130°-140°	464.0	11.9
140°-150°	426.9	10.9
150°-160°	338.2	8.7
160°-170°	214.2	5.5
170°-180°	72.5	1.9
0°-30°	347.0	8.9
0°-40°	582.8	14.9
0°-60°	1069.6	27.4
0°-90°	1381.8	35.4
90°-120°	565.6	14.5
90°-150°	1892.6	48.5
90°-180°	2517.0	64.5
0°-180°	3899.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	424	424	424	424	424	
5°	426	422	425	423	421	41
15°	416	414	422	425	425	118
25°	392	393	408	418	421	181
35°	355	359	380	392	397	222
45°	304	312	332	346	351	234
55°	238	248	263	276	282	213
65°	166	171	182	190	194	165
75°	87	89	96	101	104	92
85°	16	20	27	34	36	20
90°	1	3	10	14	16	2
95°	29	28	31	35	36	36
105°	156	164	176	187	190	166
115°	307	321	347	365	374	301
125°	439	458	493	518	528	392
135°	552	570	606	632	644	426
145°	642	656	686	706	718	402
155°	708	717	735	750	756	326
165°	749	749	759	764	766	212
175°	766	760	760	757	752	73
180°	757	757	757	757	757	



TEST NUMBER: P395583

CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3
2.5°	428.5	427.5	426.4	424.3	424.3	423.2	423.2	423.2	423.2	424.3	425.3
5°	426.4	426.4	425.3	423.2	423.2	422.1	422.1	423.2	422.1	423.2	425.3
7.5°	425.3	425.3	424.3	422.1	422.1	422.1	422.1	422.1	422.1	423.2	425.3
10°	423.2	423.2	421.1	420.0	420.0	420.0	420.0	421.1	421.1	422.1	424.3
12.5°	420.0	418.9	417.9	416.8	416.8	416.8	417.9	418.9	418.9	421.1	423.2
15°	415.8	415.8	414.7	413.6	413.6	413.6	414.7	415.8	416.8	418.9	422.1
17.5°	411.5	411.5	410.4	410.4	410.4	410.4	411.5	412.6	414.7	416.8	420.0
20°	406.2	406.2	405.1	405.1	405.1	406.2	406.2	408.3	410.4	413.6	416.8
22.5°	399.8	399.8	399.8	398.7	399.8	400.9	401.9	404.1	406.2	409.4	413.6
25°	392.4	392.4	392.4	392.4	393.4	393.4	395.6	397.7	399.8	404.1	408.3
27.5°	384.9	384.9	384.9	383.9	386.0	387.0	388.1	391.3	393.4	398.7	403.0
30°	375.4	375.4	375.4	376.4	377.5	378.5	380.7	383.9	386.0	391.3	396.6
32.5°	365.8	365.8	365.8	365.8	369.0	370.0	371.1	374.3	378.5	383.9	389.2
35°	355.1	355.1	355.1	356.2	358.3	359.4	361.5	364.7	369.0	374.3	379.6
37.5°	343.5	344.5	344.5	345.6	347.7	349.8	352.0	355.1	359.4	364.7	370.0
40°	330.7	331.8	331.8	332.8	334.9	337.1	339.2	343.5	347.7	353.0	358.3
42.5°	317.9	319.0	319.0	321.1	323.3	325.4	327.5	331.8	336.0	341.3	345.6
45°	304.1	305.2	305.2	307.3	310.5	311.6	314.7	319.0	323.3	327.5	331.8
47.5°	289.2	290.3	290.3	292.4	295.6	297.7	299.9	304.1	307.3	312.6	316.9
50°	272.2	273.3	274.3	276.5	280.7	282.8	285.0	288.2	292.4	295.6	299.9
52.5°	256.3	256.3	257.3	259.5	262.6	264.8	265.8	269.0	274.3	278.6	282.8
55°	238.2	239.2	240.3	242.4	245.6	247.8	248.8	252.0	255.2	258.4	262.6
57.5°	222.2	222.2	223.3	225.4	228.6	229.7	230.7	232.9	237.1	240.3	243.5
60°	203.1	204.2	205.2	207.3	209.5	211.6	211.6	214.8	218.0	221.2	223.3
62.5°	186.1	186.1	187.1	189.3	190.3	192.5	192.5	195.7	197.8	201.0	203.1
65°	165.9	166.9	168.0	169.1	171.2	171.2	172.3	174.4	176.5	178.6	181.8
67.5°	147.8	147.8	148.9	149.9	151.0	151.0	152.1	154.2	156.3	158.4	160.6
70°	127.6	128.7	128.7	128.7	129.7	130.8	131.9	132.9	135.0	136.1	138.2
72.5°	107.4	107.4	108.5	108.5	109.5	110.6	111.6	112.7	113.8	115.9	117.0
75°	87.2	87.2	88.3	88.3	89.3	89.3	89.3	91.4	92.5	94.6	95.7
77.5°	67.0	68.1	68.1	68.1	69.1	70.2	70.2	71.2	73.4	74.4	75.5
80°	48.9	48.9	48.9	48.9	50.0	51.0	52.1	52.1	54.2	56.4	57.4
82.5°	30.8	30.8	31.9	33.0	33.0	34.0	35.1	36.2	38.3	39.3	40.4
85°	15.9	15.9	17.0	18.1	19.1	20.2	20.2	21.3	23.4	25.5	26.6
87.5°	5.3	6.4	6.4	7.4	8.5	9.6	10.6	11.7	13.8	15.9	17.0
90°	1.1	1.1	1.1	2.1	3.2	3.2	4.3	5.3	6.4	7.4	9.6
92.5°	9.6	9.6	8.5	9.6	9.6	9.6	9.6	10.6	11.7	11.7	13.8
95°	28.7	27.6	27.6	27.6	27.6	27.6	27.6	28.7	29.8	29.8	30.8
97.5°	55.3	55.3	54.2	54.2	55.3	55.3	55.3	56.4	58.5	57.4	59.5
100°	86.1	86.1	85.1	86.1	87.2	88.3	90.4	90.4	92.5	92.5	95.7
102.5°	121.2	121.2	120.2	122.3	123.3	125.5	125.5	127.6	130.8	130.8	135.0
105°	156.3	157.4	157.4	159.5	161.6	163.8	163.8	166.9	171.2	171.2	176.5
107.5°	194.6	195.7	195.7	197.8	199.9	202.0	203.1	207.3	211.6	212.7	219.0
110°	231.8	232.9	233.9	236.1	238.2	241.4	243.5	247.8	253.1	255.2	260.5



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CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	266.9	271.1	272.2	275.4	278.6	281.8	283.9	289.2	295.6	298.8	305.2
115°	307.3	309.4	310.5	313.7	317.9	321.1	323.3	328.6	334.9	339.2	346.6
117.5°	340.3	345.6	346.6	349.8	354.1	357.3	359.4	365.8	373.2	378.5	386.0
120°	375.4	379.6	383.9	386.0	389.2	393.4	395.6	401.9	410.4	415.8	424.3
122.5°	407.3	411.5	415.8	418.9	423.2	425.3	428.5	436.0	444.5	450.8	459.4
125°	439.2	444.5	447.7	450.8	456.2	458.3	461.5	468.9	477.4	484.9	493.4
127.5°	470.0	473.2	478.5	480.6	485.9	488.1	491.3	499.8	508.3	515.7	524.2
130°	498.7	503.0	507.2	508.3	514.6	517.8	521.0	528.5	538.0	545.5	554.0
132.5°	526.3	528.5	533.8	537.0	542.3	545.5	548.7	555.1	564.6	572.1	580.6
135°	551.9	554.0	560.4	563.6	566.8	569.9	574.2	580.6	590.1	597.6	606.1
137.5°	577.4	579.5	585.9	589.1	591.2	594.4	597.6	604.0	613.5	621.0	628.4
140°	600.8	602.9	607.2	611.4	613.5	615.7	618.9	625.2	633.7	641.2	648.6
142.5°	622.0	624.2	628.4	632.7	635.9	635.9	639.1	644.4	653.9	661.4	667.8
145°	642.2	643.3	647.6	651.8	656.1	656.1	657.1	662.5	671.0	679.5	685.8
147.5°	661.4	662.5	665.6	669.9	673.1	674.1	676.3	678.4	686.9	695.4	702.9
150°	678.4	679.5	681.6	685.8	688.0	690.1	692.2	693.3	699.7	707.1	715.6
152.5°	693.3	694.3	696.5	699.7	701.8	703.9	706.0	709.2	712.4	719.9	725.2
155°	708.2	709.2	710.3	713.5	715.6	716.7	717.7	722.0	725.2	729.4	734.8
157.5°	720.9	720.9	722.0	724.1	726.2	726.2	727.3	731.6	734.8	739.0	742.2
160°	731.6	731.6	732.6	734.8	734.8	735.8	736.9	740.1	742.2	747.5	751.8
162.5°	741.1	740.1	741.1	742.2	742.2	742.2	743.3	745.4	748.6	752.8	757.1
165°	748.6	748.6	748.6	749.6	749.6	748.6	748.6	750.7	752.8	756.0	759.2
167.5°	755.0	755.0	753.9	755.0	753.9	753.9	752.8	753.9	755.0	758.1	760.3
170°	760.3	759.2	759.2	759.2	758.1	757.1	757.1	757.1	757.1	759.2	761.3
172.5°	764.5	763.5	762.4	762.4	760.3	759.2	759.2	758.1	758.1	759.2	760.3
175°	765.6	764.5	763.5	763.5	761.3	760.3	759.2	759.2	758.1	759.2	760.3
177.5°	767.7	766.7	764.5	764.5	762.4	760.3	760.3	759.2	758.1	759.2	759.2
180°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1



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CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3
2.5°	426.4	426.4	425.3	424.3	424.3	423.2	422.1	421.1	420.0	418.9
5°	426.4	425.3	424.3	424.3	423.2	423.2	423.2	422.1	421.1	421.1
7.5°	426.4	426.4	425.3	424.3	424.3	424.3	424.3	424.3	423.2	423.2
10°	426.4	425.3	425.3	425.3	424.3	425.3	425.3	424.3	424.3	423.2
12.5°	425.3	425.3	425.3	425.3	425.3	425.3	425.3	425.3	425.3	424.3
15°	423.2	424.3	424.3	425.3	425.3	425.3	426.4	426.4	425.3	425.3
17.5°	422.1	423.2	424.3	425.3	425.3	425.3	426.4	426.4	426.4	426.4
20°	420.0	421.1	422.1	423.2	423.2	424.3	424.3	425.3	425.3	425.3
22.5°	415.8	416.8	418.9	420.0	421.1	422.1	423.2	423.2	423.2	423.2
25°	411.5	413.6	414.7	416.8	417.9	418.9	420.0	420.0	420.0	421.1
27.5°	406.2	408.3	411.5	412.6	413.6	414.7	415.8	416.8	416.8	416.8
30°	399.8	403.0	405.1	407.3	408.3	409.4	410.4	410.4	411.5	411.5
32.5°	392.4	395.6	397.7	399.8	400.9	401.9	404.1	404.1	405.1	405.1
35°	382.8	386.0	389.2	391.3	392.4	393.4	395.6	396.6	396.6	396.6
37.5°	373.2	376.4	379.6	382.8	383.9	384.9	387.0	387.0	388.1	388.1
40°	361.5	364.7	367.9	371.1	371.1	373.2	374.3	375.4	376.4	376.4
42.5°	349.8	353.0	355.1	358.3	359.4	360.5	361.5	363.7	363.7	364.7
45°	336.0	339.2	341.3	344.5	345.6	346.6	348.8	349.8	350.9	350.9
47.5°	321.1	323.3	325.4	328.6	330.7	331.8	332.8	333.9	334.9	333.9
50°	304.1	306.2	309.4	312.6	313.7	314.7	316.9	316.9	317.9	317.9
52.5°	286.0	289.2	291.4	294.5	295.6	296.7	298.8	298.8	299.9	299.9
55°	265.8	268.0	270.1	275.4	276.5	277.5	279.7	279.7	280.7	281.8
57.5°	246.7	247.8	250.9	253.1	255.2	255.2	256.3	257.3	258.4	258.4
60°	226.5	227.6	229.7	232.9	232.9	233.9	236.1	236.1	237.1	237.1
62.5°	205.2	207.3	209.5	212.7	211.6	212.7	214.8	214.8	215.9	215.9
65°	184.0	185.0	187.1	189.3	190.3	190.3	191.4	192.5	193.5	193.5
67.5°	161.6	163.8	164.8	168.0	166.9	168.0	169.1	169.1	170.1	170.1
70°	140.4	141.4	143.5	144.6	144.6	145.7	146.7	146.7	146.7	147.8
72.5°	119.1	120.2	121.2	122.3	122.3	123.3	124.4	124.4	125.5	125.5
75°	96.8	98.9	100.0	102.1	101.0	102.1	104.2	104.2	104.2	104.2
77.5°	77.6	78.7	80.8	81.9	81.9	81.9	84.0	82.9	84.0	84.0
80°	58.5	59.5	61.7	62.7	62.7	63.8	64.9	64.9	64.9	65.9
82.5°	41.5	43.6	45.7	46.8	46.8	47.8	48.9	48.9	50.0	50.0
85°	28.7	30.8	33.0	33.0	34.0	35.1	36.2	36.2	36.2	36.2
87.5°	19.1	20.2	21.3	22.3	23.4	23.4	24.5	24.5	25.5	25.5
90°	10.6	11.7	12.8	13.8	13.8	14.9	14.9	15.9	15.9	15.9
92.5°	14.9	14.9	15.9	17.0	17.0	17.0	17.0	18.1	18.1	18.1
95°	31.9	33.0	33.0	35.1	35.1	35.1	36.2	36.2	36.2	36.2
97.5°	61.7	61.7	61.7	63.8	63.8	63.8	64.9	64.9	64.9	65.9
100°	96.8	97.8	97.8	101.0	100.0	102.1	102.1	102.1	102.1	103.1
102.5°	136.1	138.2	139.3	142.5	142.5	142.5	144.6	143.5	144.6	144.6
105°	178.6	180.8	181.8	185.0	187.1	187.1	189.3	188.2	189.3	190.3
107.5°	221.2	224.4	226.5	229.7	231.8	232.9	232.9	233.9	235.0	236.1
110°	264.8	268.0	273.3	276.5	277.5	279.7	280.7	281.8	282.8	285.0



TEST NUMBER: P395583

CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	310.5	313.7	317.9	322.2	321.1	324.3	326.4	327.5	328.6	327.5
115°	352.0	356.2	360.5	364.7	364.7	366.8	371.1	372.2	372.2	374.3
117.5°	391.3	396.6	400.9	405.1	406.2	408.3	411.5	414.7	414.7	416.8
120°	429.6	436.0	440.2	444.5	446.6	447.7	450.8	455.1	455.1	455.1
122.5°	465.7	471.1	476.4	480.6	482.7	484.9	487.0	492.3	492.3	494.4
125°	499.8	506.1	511.5	515.7	517.8	520.0	524.2	527.4	528.5	528.5
127.5°	531.7	538.0	543.4	548.7	549.7	551.9	556.1	560.4	561.4	562.5
130°	561.4	567.8	573.1	578.4	580.6	581.6	587.0	590.1	592.3	593.3
132.5°	588.0	594.4	599.7	605.0	607.2	609.3	612.5	617.8	618.9	618.9
135°	612.5	618.9	624.2	630.6	631.6	633.7	638.0	641.2	643.3	644.4
137.5°	634.8	641.2	647.6	652.9	655.0	656.1	660.3	664.6	666.7	667.8
140°	655.0	661.4	667.8	672.0	673.1	676.3	679.5	683.7	685.8	686.9
142.5°	674.1	679.5	684.8	690.1	691.2	693.3	696.5	700.7	702.9	703.9
145°	691.2	696.5	700.7	705.0	706.0	708.2	711.4	714.6	716.7	717.7
147.5°	707.1	711.4	715.6	718.8	719.9	722.0	724.1	726.2	728.4	729.4
150°	720.9	723.1	727.3	729.4	730.5	732.6	734.8	736.9	739.0	740.1
152.5°	731.6	734.8	736.9	740.1	741.1	742.2	744.3	746.5	748.6	748.6
155°	740.1	743.3	745.4	748.6	749.6	750.7	752.8	753.9	756.0	756.0
157.5°	746.5	749.6	751.8	753.9	755.0	756.0	757.1	759.2	761.3	761.3
160°	753.9	755.0	756.0	758.1	758.1	759.2	760.3	761.3	763.5	763.5
162.5°	760.3	761.3	759.2	760.3	759.2	760.3	761.3	762.4	763.5	763.5
165°	762.4	764.5	763.5	764.5	764.5	764.5	764.5	765.6	765.6	765.6
167.5°	762.4	764.5	763.5	763.5	764.5	764.5	765.6	766.7	766.7	766.7
170°	762.4	763.5	762.4	761.3	762.4	762.4	762.4	763.5	763.5	763.5
172.5°	761.3	762.4	760.3	759.2	759.2	759.2	758.1	758.1	757.1	757.1
175°	760.3	760.3	758.1	757.1	757.1	757.1	755.0	753.9	752.8	751.8
177.5°	759.2	759.2	756.0	755.0	755.0	753.9	753.9	751.8	751.8	750.7
180°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1

(END OF REPORT)