

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: P395504

Luminaire Tested: **I3-FL-20L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395504
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-20L92765-1D-UNV-W2A-W-4 (3000K)
Description: CORELITE I3, FROSTED TOP COVER
2000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1735.0 lumens
Efficiency: N/A
Efficacy: 107.8 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

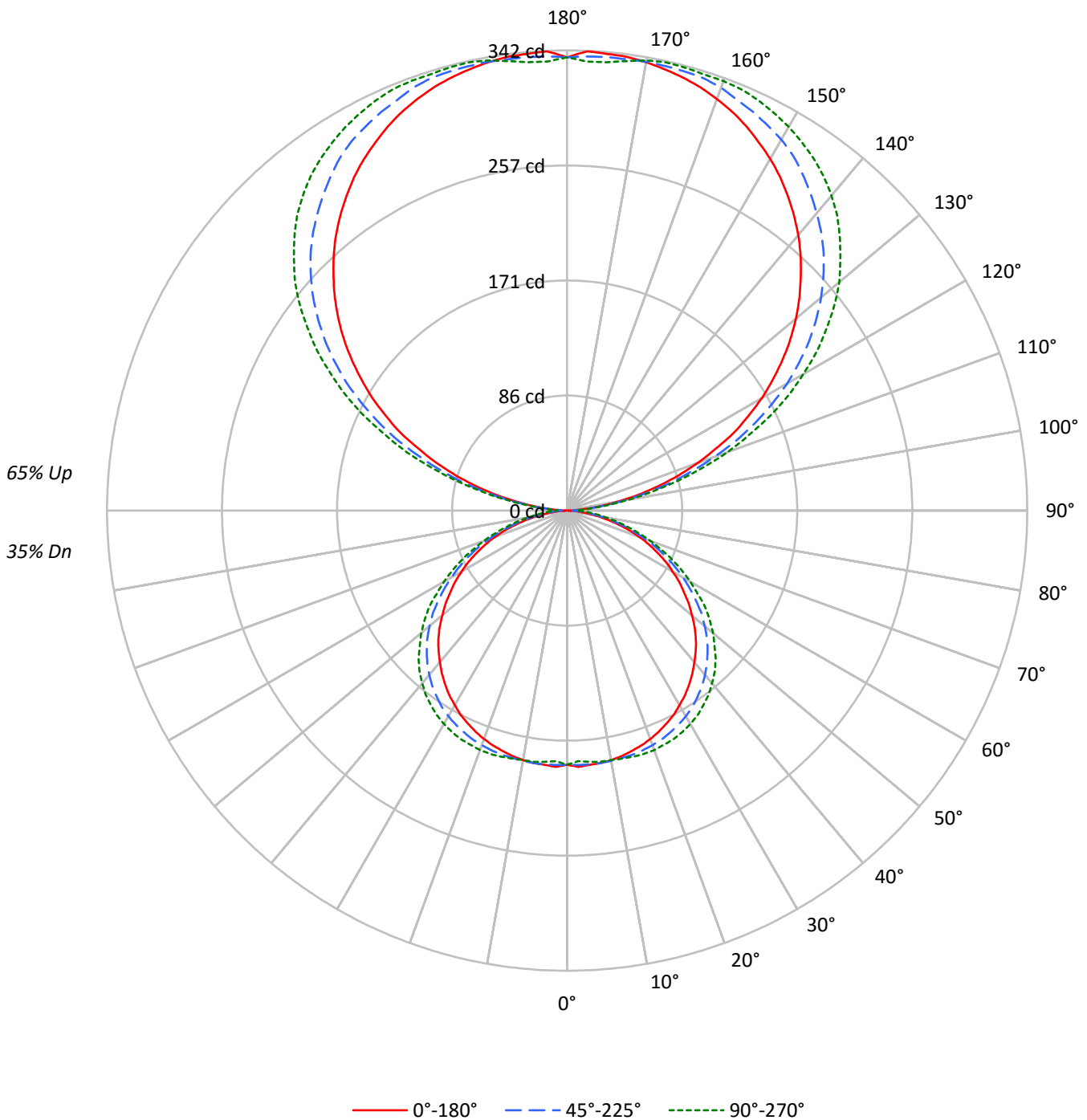
Input Watts (W): 16.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1038	1038	1038
5°	1043	1021	1005
10°	1043	1007	993
15°	1041	998	989
20°	1041	989	987
25°	1038	980	984
30°	1034	971	975
35°	1029	955	960
40°	1019	935	939
45°	1009	906	910
50°	986	866	866
55°	958	812	814
60°	926	748	735
65°	880	670	653
70°	817	571	552
75°	711	454	439
80°	556	322	321
85°	301	184	211



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.0	1.0
10°-20°	52.9	3.1
20°-30°	83.5	4.8
30°-40°	104.9	6.0
40°-50°	112.8	6.5
50°-60°	103.8	6.0
60°-70°	79.5	4.6
70°-80°	45.3	2.6
80°-90°	14.1	0.8
90°-100°	18.9	1.1
100°-110°	82.2	4.7
110°-120°	150.5	8.7
120°-130°	194.0	11.2
130°-140°	206.5	11.9
140°-150°	190.0	10.9
150°-160°	150.5	8.7
160°-170°	95.3	5.5
170°-180°	32.3	1.9
0°-30°	154.4	8.9
0°-40°	259.3	14.9
0°-60°	475.9	27.4
0°-90°	614.9	35.4
90°-120°	251.7	14.5
90°-150°	842.1	48.5
90°-180°	1120.0	64.6
0°-180°	1735.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	189	189	189	189	189	
5°	190	188	189	188	187	18
15°	185	184	188	189	189	52
25°	175	175	182	186	187	81
35°	158	160	169	175	176	99
45°	135	139	148	154	156	104
55°	106	110	117	123	125	95
65°	74	76	81	85	86	73
75°	39	40	43	45	46	41
85°	7	9	12	15	16	9
90°	0	1	4	6	7	1
95°	13	12	14	16	16	16
105°	70	73	78	83	85	74
115°	137	143	154	162	166	134
125°	195	204	220	230	235	175
135°	246	254	270	281	287	190
145°	286	292	305	314	319	179
155°	315	319	327	334	336	145
165°	333	333	338	340	341	94
175°	341	338	338	337	334	32
180°	337	337	337	337	337	



TEST NUMBER: P395504

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8
2.5°	190.7	190.2	189.7	188.8	188.8	188.3	188.3	188.3	188.3	188.8	189.3
5°	189.7	189.7	189.3	188.3	188.3	187.8	187.8	188.3	187.8	188.3	189.3
7.5°	189.3	189.3	188.8	187.8	187.8	187.8	187.8	187.8	187.8	188.3	189.3
10°	188.3	188.3	187.4	186.9	186.9	186.9	186.9	187.4	187.4	187.8	188.8
12.5°	186.9	186.4	185.9	185.5	185.5	185.5	185.9	186.4	186.4	187.4	188.3
15°	185.0	185.0	184.5	184.0	184.0	184.0	184.5	185.0	185.5	186.4	187.8
17.5°	183.1	183.1	182.6	182.6	182.6	182.6	183.1	183.6	184.5	185.5	186.9
20°	180.7	180.7	180.3	180.3	180.3	180.7	180.7	181.7	182.6	184.0	185.5
22.5°	177.9	177.9	177.9	177.4	177.9	178.4	178.8	179.8	180.7	182.2	184.0
25°	174.6	174.6	174.6	174.6	175.1	175.1	176.0	177.0	177.9	179.8	181.7
27.5°	171.3	171.3	171.3	170.8	171.7	172.2	172.7	174.1	175.1	177.4	179.3
30°	167.0	167.0	167.0	167.5	168.0	168.4	169.4	170.8	171.7	174.1	176.5
32.5°	162.8	162.8	162.8	162.8	164.2	164.6	165.1	166.5	168.4	170.8	173.2
35°	158.0	158.0	158.0	158.5	159.4	159.9	160.9	162.3	164.2	166.5	168.9
37.5°	152.8	153.3	153.3	153.8	154.7	155.7	156.6	158.0	159.9	162.3	164.6
40°	147.1	147.6	147.6	148.1	149.0	150.0	150.9	152.8	154.7	157.1	159.4
42.5°	141.5	141.9	141.9	142.9	143.8	144.8	145.7	147.6	149.5	151.9	153.8
45°	135.3	135.8	135.8	136.7	138.2	138.6	140.0	141.9	143.8	145.7	147.6
47.5°	128.7	129.2	129.2	130.1	131.5	132.5	133.4	135.3	136.7	139.1	141.0
50°	121.1	121.6	122.1	123.0	124.9	125.9	126.8	128.2	130.1	131.5	133.4
52.5°	114.0	114.0	114.5	115.4	116.9	117.8	118.3	119.7	122.1	124.0	125.9
55°	106.0	106.5	106.9	107.9	109.3	110.2	110.7	112.1	113.6	115.0	116.9
57.5°	98.9	98.9	99.4	100.3	101.7	102.2	102.7	103.6	105.5	106.9	108.3
60°	90.4	90.8	91.3	92.3	93.2	94.2	94.2	95.6	97.0	98.4	99.4
62.5°	82.8	82.8	83.3	84.2	84.7	85.6	85.6	87.1	88.0	89.4	90.4
65°	73.8	74.3	74.8	75.2	76.2	76.2	76.6	77.6	78.5	79.5	80.9
67.5°	65.8	65.8	66.2	66.7	67.2	67.2	67.7	68.6	69.6	70.5	71.4
70°	56.8	57.2	57.2	57.2	57.7	58.2	58.7	59.1	60.1	60.6	61.5
72.5°	47.8	47.8	48.3	48.3	48.7	49.2	49.7	50.2	50.6	51.6	52.0
75°	38.8	38.8	39.3	39.3	39.7	39.7	39.7	40.7	41.2	42.1	42.6
77.5°	29.8	30.3	30.3	30.3	30.8	31.2	31.2	31.7	32.6	33.1	33.6
80°	21.8	21.8	21.8	21.8	22.2	22.7	23.2	23.2	24.1	25.1	25.5
82.5°	13.7	13.7	14.2	14.7	14.7	15.1	15.6	16.1	17.0	17.5	18.0
85°	7.1	7.1	7.6	8.0	8.5	9.0	9.0	9.5	10.4	11.4	11.8
87.5°	2.4	2.8	2.8	3.3	3.8	4.3	4.7	5.2	6.2	7.1	7.6
90°	0.5	0.5	0.5	0.9	1.4	1.4	1.9	2.4	2.8	3.3	4.3
92.5°	4.3	4.3	3.8	4.3	4.3	4.3	4.3	4.7	5.2	5.2	6.2
95°	12.8	12.3	12.3	12.3	12.3	12.3	12.3	12.8	13.2	13.2	13.7
97.5°	24.6	24.6	24.1	24.1	24.6	24.6	24.6	25.1	26.0	25.5	26.5
100°	38.3	38.3	37.9	38.3	38.8	39.3	40.2	40.2	41.2	41.2	42.6
102.5°	53.9	53.9	53.5	54.4	54.9	55.8	55.8	56.8	58.2	58.2	60.1
105°	69.6	70.0	70.0	71.0	71.9	72.9	72.9	74.3	76.2	76.2	78.5
107.5°	86.6	87.1	87.1	88.0	88.9	89.9	90.4	92.3	94.2	94.6	97.5
110°	103.1	103.6	104.1	105.0	106.0	107.4	108.3	110.2	112.6	113.6	115.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	118.8	120.6	121.1	122.5	124.0	125.4	126.3	128.7	131.5	132.9	135.8
115°	136.7	137.7	138.2	139.6	141.5	142.9	143.8	146.2	149.0	150.9	154.2
117.5°	151.4	153.8	154.2	155.7	157.6	159.0	159.9	162.8	166.1	168.4	171.7
120°	167.0	168.9	170.8	171.7	173.2	175.1	176.0	178.8	182.6	185.0	188.8
122.5°	181.2	183.1	185.0	186.4	188.3	189.3	190.7	194.0	197.8	200.6	204.4
125°	195.4	197.8	199.2	200.6	203.0	203.9	205.3	208.7	212.4	215.7	219.5
127.5°	209.1	210.5	212.9	213.9	216.2	217.2	218.6	222.4	226.2	229.5	233.3
130°	221.9	223.8	225.7	226.2	229.0	230.4	231.8	235.1	239.4	242.7	246.5
132.5°	234.2	235.1	237.5	238.9	241.3	242.7	244.1	247.0	251.2	254.5	258.3
135°	245.6	246.5	249.3	250.8	252.2	253.6	255.5	258.3	262.6	265.9	269.7
137.5°	256.9	257.9	260.7	262.1	263.1	264.5	265.9	268.7	273.0	276.3	279.6
140°	267.3	268.3	270.2	272.0	273.0	273.9	275.4	278.2	282.0	285.3	288.6
142.5°	276.8	277.7	279.6	281.5	282.9	282.9	284.4	286.7	291.0	294.3	297.1
145°	285.8	286.2	288.1	290.0	291.9	291.9	292.4	294.8	298.5	302.3	305.2
147.5°	294.3	294.8	296.2	298.1	299.5	300.0	300.9	301.9	305.6	309.4	312.7
150°	301.9	302.3	303.3	305.2	306.1	307.1	308.0	308.5	311.3	314.6	318.4
152.5°	308.5	309.0	309.9	311.3	312.3	313.2	314.2	315.6	317.0	320.3	322.7
155°	315.1	315.6	316.1	317.5	318.4	318.9	319.4	321.3	322.7	324.6	326.9
157.5°	320.8	320.8	321.3	322.2	323.1	323.1	323.6	325.5	326.9	328.8	330.2
160°	325.5	325.5	326.0	326.9	326.9	327.4	327.9	329.3	330.2	332.6	334.5
162.5°	329.8	329.3	329.8	330.2	330.2	330.2	330.7	331.7	333.1	335.0	336.9
165°	333.1	333.1	333.1	333.6	333.6	333.1	333.1	334.0	335.0	336.4	337.8
167.5°	335.9	335.9	335.4	335.9	335.4	335.4	335.0	335.4	335.9	337.3	338.3
170°	338.3	337.8	337.8	337.8	337.3	336.9	336.9	336.9	336.9	337.8	338.8
172.5°	340.2	339.7	339.2	339.2	338.3	337.8	337.8	337.3	337.3	337.8	338.3
175°	340.7	340.2	339.7	339.7	338.8	338.3	337.8	337.8	337.3	337.8	338.3
177.5°	341.6	341.1	340.2	340.2	339.2	338.3	338.3	337.8	337.3	337.8	337.8
180°	336.9	336.9	336.9	336.9	336.9	336.9	336.9	336.9	336.9	336.9	336.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8
2.5°	189.7	189.7	189.3	188.8	188.8	188.3	187.8	187.4	186.9	186.4
5°	189.7	189.3	188.8	188.8	188.3	188.3	188.3	187.8	187.4	187.4
7.5°	189.7	189.7	189.3	188.8	188.8	188.8	188.8	188.8	188.3	188.3
10°	189.7	189.3	189.3	189.3	188.8	189.3	189.3	188.8	188.8	188.3
12.5°	189.3	189.3	189.3	189.3	189.3	189.3	189.3	189.3	189.3	188.8
15°	188.3	188.8	188.8	189.3	189.3	189.3	189.7	189.7	189.3	189.3
17.5°	187.8	188.3	188.8	189.3	189.3	189.3	189.7	189.7	189.7	189.7
20°	186.9	187.4	187.8	188.3	188.3	188.8	188.8	189.3	189.3	189.3
22.5°	185.0	185.5	186.4	186.9	187.4	187.8	188.3	188.3	188.3	188.3
25°	183.1	184.0	184.5	185.5	185.9	186.4	186.9	186.9	186.9	187.4
27.5°	180.7	181.7	183.1	183.6	184.0	184.5	185.0	185.5	185.5	185.5
30°	177.9	179.3	180.3	181.2	181.7	182.2	182.6	182.6	183.1	183.1
32.5°	174.6	176.0	177.0	177.9	178.4	178.8	179.8	179.8	180.3	180.3
35°	170.3	171.7	173.2	174.1	174.6	175.1	176.0	176.5	176.5	176.5
37.5°	166.1	167.5	168.9	170.3	170.8	171.3	172.2	172.2	172.7	172.7
40°	160.9	162.3	163.7	165.1	165.1	166.1	166.5	167.0	167.5	167.5
42.5°	155.7	157.1	158.0	159.4	159.9	160.4	160.9	161.8	161.8	162.3
45°	149.5	150.9	151.9	153.3	153.8	154.2	155.2	155.7	156.1	156.1
47.5°	142.9	143.8	144.8	146.2	147.1	147.6	148.1	148.6	149.0	148.6
50°	135.3	136.3	137.7	139.1	139.6	140.0	141.0	141.0	141.5	141.5
52.5°	127.3	128.7	129.6	131.1	131.5	132.0	132.9	132.9	133.4	133.4
55°	118.3	119.2	120.2	122.5	123.0	123.5	124.4	124.4	124.9	125.4
57.5°	109.8	110.2	111.7	112.6	113.6	113.6	114.0	114.5	115.0	115.0
60°	100.8	101.2	102.2	103.6	103.6	104.1	105.0	105.0	105.5	105.5
62.5°	91.3	92.3	93.2	94.6	94.2	94.6	95.6	95.6	96.0	96.0
65°	81.9	82.3	83.3	84.2	84.7	84.7	85.2	85.6	86.1	86.1
67.5°	71.9	72.9	73.3	74.8	74.3	74.8	75.2	75.2	75.7	75.7
70°	62.5	62.9	63.9	64.3	64.3	64.8	65.3	65.3	65.3	65.8
72.5°	53.0	53.5	53.9	54.4	54.4	54.9	55.4	55.4	55.8	55.8
75°	43.1	44.0	44.5	45.4	44.9	45.4	46.4	46.4	46.4	46.4
77.5°	34.5	35.0	36.0	36.4	36.4	36.4	37.4	36.9	37.4	37.4
80°	26.0	26.5	27.4	27.9	27.9	28.4	28.9	28.9	28.9	29.3
82.5°	18.5	19.4	20.3	20.8	20.8	21.3	21.8	21.8	22.2	22.2
85°	12.8	13.7	14.7	14.7	15.1	15.6	16.1	16.1	16.1	16.1
87.5°	8.5	9.0	9.5	9.9	10.4	10.4	10.9	10.9	11.4	11.4
90°	4.7	5.2	5.7	6.2	6.2	6.6	6.6	7.1	7.1	7.1
92.5°	6.6	6.6	7.1	7.6	7.6	7.6	7.6	8.0	8.0	8.0
95°	14.2	14.7	14.7	15.6	15.6	15.6	16.1	16.1	16.1	16.1
97.5°	27.4	27.4	27.4	28.4	28.4	28.4	28.9	28.9	28.9	29.3
100°	43.1	43.5	43.5	44.9	44.5	45.4	45.4	45.4	45.4	45.9
102.5°	60.6	61.5	62.0	63.4	63.4	63.4	64.3	63.9	64.3	64.3
105°	79.5	80.4	80.9	82.3	83.3	83.3	84.2	83.7	84.2	84.7
107.5°	98.4	99.8	100.8	102.2	103.1	103.6	103.6	104.1	104.6	105.0
110°	117.8	119.2	121.6	123.0	123.5	124.4	124.9	125.4	125.9	126.8



TEST NUMBER: P395504

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	138.2	139.6	141.5	143.4	142.9	144.3	145.3	145.7	146.2	145.7
115°	156.6	158.5	160.4	162.3	162.3	163.2	165.1	165.6	165.6	166.5
117.5°	174.1	176.5	178.4	180.3	180.7	181.7	183.1	184.5	184.5	185.5
120°	191.1	194.0	195.9	197.8	198.7	199.2	200.6	202.5	202.5	202.5
122.5°	207.2	209.6	212.0	213.9	214.8	215.7	216.7	219.1	219.1	220.0
125°	222.4	225.2	227.6	229.5	230.4	231.4	233.3	234.7	235.1	235.1
127.5°	236.6	239.4	241.8	244.1	244.6	245.6	247.4	249.3	249.8	250.3
130°	249.8	252.7	255.0	257.4	258.3	258.8	261.2	262.6	263.5	264.0
132.5°	261.6	264.5	266.8	269.2	270.2	271.1	272.5	274.9	275.4	275.4
135°	272.5	275.4	277.7	280.6	281.0	282.0	283.9	285.3	286.2	286.7
137.5°	282.5	285.3	288.1	290.5	291.4	291.9	293.8	295.7	296.7	297.1
140°	291.4	294.3	297.1	299.0	299.5	300.9	302.3	304.2	305.2	305.6
142.5°	300.0	302.3	304.7	307.1	307.5	308.5	309.9	311.8	312.7	313.2
145°	307.5	309.9	311.8	313.7	314.2	315.1	316.5	317.9	318.9	319.4
147.5°	314.6	316.5	318.4	319.8	320.3	321.3	322.2	323.1	324.1	324.6
150°	320.8	321.7	323.6	324.6	325.0	326.0	326.9	327.9	328.8	329.3
152.5°	325.5	326.9	327.9	329.3	329.8	330.2	331.2	332.1	333.1	333.1
155°	329.3	330.7	331.7	333.1	333.6	334.0	335.0	335.4	336.4	336.4
157.5°	332.1	333.6	334.5	335.4	335.9	336.4	336.9	337.8	338.8	338.8
160°	335.4	335.9	336.4	337.3	337.3	337.8	338.3	338.8	339.7	339.7
162.5°	338.3	338.8	337.8	338.3	337.8	338.3	338.8	339.2	339.7	339.7
165°	339.2	340.2	339.7	340.2	340.2	340.2	340.2	340.7	340.7	340.7
167.5°	339.2	340.2	339.7	339.7	340.2	340.2	340.7	341.1	341.1	341.1
170°	339.2	339.7	339.2	338.8	339.2	339.2	339.2	339.7	339.7	339.7
172.5°	338.8	339.2	338.3	337.8	337.8	337.8	337.3	337.3	336.9	336.9
175°	338.3	338.3	337.3	336.9	336.9	336.9	335.9	335.4	335.0	334.5
177.5°	337.8	337.8	336.4	335.9	335.9	335.4	335.4	334.5	334.5	334.0
180°	336.9	336.9	336.9	336.9	336.9	336.9	336.9	336.9	336.9	336.9

(END OF REPORT)