

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: P395503

Luminaire Tested: **I3-FL-20L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395503
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 (2700K)
Description: CORELITE I3, FROSTED TOP COVER
2000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1669.0 lumens
Efficiency: N/A
Efficacy: 103.0 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

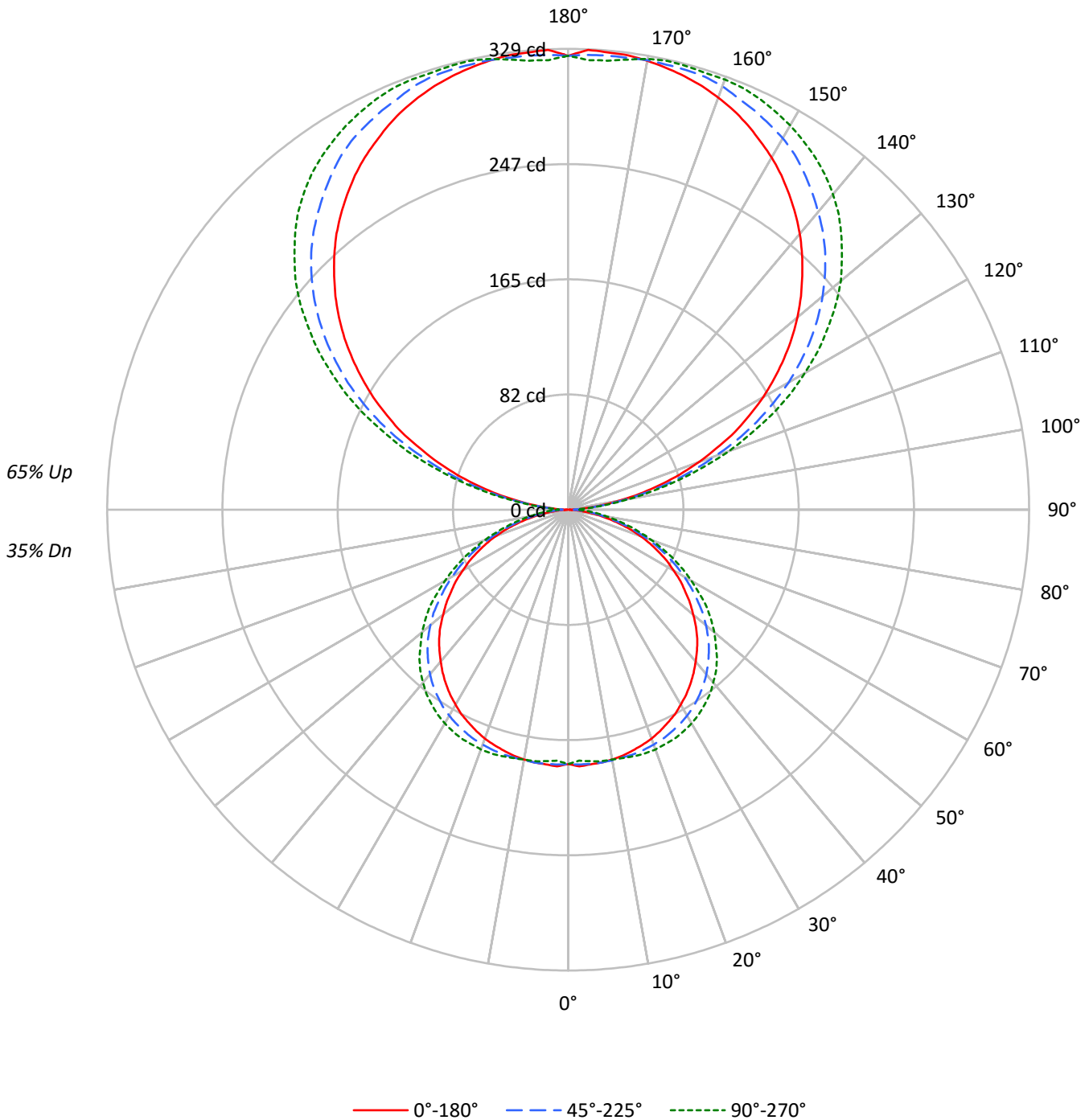
Input Watts (W): 16.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395503

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (2700K)

Luminous Intensity Polar Plot





TEST NUMBER: P395503

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (2700K)

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°	998	998	998
5°	1003	982	966
10°	1003	968	955
15°	1001	960	951
20°	1002	951	950
25°	998	943	946
30°	995	934	937
35°	990	919	924
40°	980	900	903
45°	971	872	876
50°	948	833	833
55°	921	781	783
60°	890	720	707
65°	846	644	628
70°	786	550	531
75°	684	437	422
80°	533	311	309
85°	289	178	203



TEST NUMBER: P395503

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (2700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.3	1.0
10°-20°	50.9	3.1
20°-30°	80.3	4.8
30°-40°	100.9	6.0
40°-50°	108.5	6.5
50°-60°	99.8	6.0
60°-70°	76.5	4.6
70°-80°	43.5	2.6
80°-90°	13.6	0.8
90°-100°	18.2	1.1
100°-110°	79.1	4.7
110°-120°	144.8	8.7
120°-130°	186.7	11.2
130°-140°	198.6	11.9
140°-150°	182.7	10.9
150°-160°	144.8	8.7
160°-170°	91.7	5.5
170°-180°	31.0	1.9
0°-30°	148.5	8.9
0°-40°	249.5	14.9
0°-60°	457.8	27.4
0°-90°	591.5	35.4
90°-120°	242.1	14.5
90°-150°	810.1	48.5
90°-180°	1078.0	64.6
0°-180°	1669.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	182	182	182	182	182	
5°	182	181	182	181	180	17
15°	178	177	181	182	182	50
25°	168	168	175	179	180	77
35°	152	154	162	168	170	95
45°	130	133	142	148	150	100
55°	102	106	112	118	121	91
65°	71	73	78	82	83	70
75°	37	38	41	43	45	39
85°	7	9	11	15	16	9
90°	0	1	4	6	7	1
95°	12	12	13	15	16	15
105°	67	70	76	80	82	71
115°	132	138	148	156	160	129
125°	188	196	211	222	226	168
135°	236	244	259	270	276	182
145°	275	281	294	302	307	172
155°	303	307	314	321	324	140
165°	320	320	325	327	328	91
175°	328	325	325	324	322	31
180°	324	324	324	324	324	



TEST NUMBER: P395503

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	181.6	181.6	181.6	181.6	181.6	181.6	181.6	181.6	181.6	181.6	181.6
2.5°	183.4	183.0	182.5	181.6	181.6	181.1	181.1	181.1	181.1	181.6	182.1
5°	182.5	182.5	182.1	181.1	181.1	180.7	180.7	181.1	180.7	181.1	182.1
7.5°	182.1	182.1	181.6	180.7	180.7	180.7	180.7	180.7	180.7	181.1	182.1
10°	181.1	181.1	180.2	179.8	179.8	179.8	179.8	180.2	180.2	180.7	181.6
12.5°	179.8	179.3	178.9	178.4	178.4	178.4	178.9	179.3	179.3	180.2	181.1
15°	178.0	178.0	177.5	177.0	177.0	177.0	177.5	178.0	178.4	179.3	180.7
17.5°	176.1	176.1	175.7	175.7	175.7	175.7	176.1	176.6	177.5	178.4	179.8
20°	173.9	173.9	173.4	173.4	173.4	173.9	173.9	174.8	175.7	177.0	178.4
22.5°	171.1	171.1	171.1	170.7	171.1	171.6	172.0	173.0	173.9	175.2	177.0
25°	167.9	167.9	167.9	167.9	168.4	168.4	169.3	170.2	171.1	173.0	174.8
27.5°	164.8	164.8	164.8	164.3	165.2	165.7	166.1	167.5	168.4	170.7	172.5
30°	160.7	160.7	160.7	161.1	161.6	162.0	162.9	164.3	165.2	167.5	169.8
32.5°	156.6	156.6	156.6	156.6	157.9	158.4	158.8	160.2	162.0	164.3	166.6
35°	152.0	152.0	152.0	152.5	153.4	153.8	154.7	156.1	157.9	160.2	162.5
37.5°	147.0	147.5	147.5	147.9	148.8	149.7	150.6	152.0	153.8	156.1	158.4
40°	141.5	142.0	142.0	142.5	143.4	144.3	145.2	147.0	148.8	151.1	153.4
42.5°	136.1	136.5	136.5	137.5	138.4	139.3	140.2	142.0	143.8	146.1	147.9
45°	130.2	130.6	130.6	131.5	132.9	133.4	134.7	136.5	138.4	140.2	142.0
47.5°	123.8	124.3	124.3	125.2	126.5	127.4	128.3	130.2	131.5	133.8	135.6
50°	116.5	117.0	117.4	118.3	120.2	121.1	122.0	123.3	125.2	126.5	128.3
52.5°	109.7	109.7	110.1	111.1	112.4	113.3	113.8	115.1	117.4	119.2	121.1
55°	101.9	102.4	102.9	103.8	105.1	106.0	106.5	107.9	109.2	110.6	112.4
57.5°	95.1	95.1	95.6	96.5	97.9	98.3	98.8	99.7	101.5	102.9	104.2
60°	86.9	87.4	87.8	88.8	89.7	90.6	90.6	91.9	93.3	94.7	95.6
62.5°	79.6	79.6	80.1	81.0	81.5	82.4	82.4	83.7	84.7	86.0	86.9
65°	71.0	71.5	71.9	72.4	73.3	73.3	73.7	74.6	75.6	76.5	77.8
67.5°	63.3	63.3	63.7	64.2	64.6	64.6	65.1	66.0	66.9	67.8	68.7
70°	54.6	55.1	55.1	55.1	55.5	56.0	56.4	56.9	57.8	58.3	59.2
72.5°	46.0	46.0	46.4	46.4	46.9	47.3	47.8	48.2	48.7	49.6	50.1
75°	37.3	37.3	37.8	37.8	38.2	38.2	38.2	39.1	39.6	40.5	41.0
77.5°	28.7	29.1	29.1	29.1	29.6	30.0	30.0	30.5	31.4	31.9	32.3
80°	20.9	20.9	20.9	20.9	21.4	21.8	22.3	22.3	23.2	24.1	24.6
82.5°	13.2	13.2	13.7	14.1	14.1	14.6	15.0	15.5	16.4	16.8	17.3
85°	6.8	6.8	7.3	7.7	8.2	8.6	8.6	9.1	10.0	10.9	11.4
87.5°	2.3	2.7	2.7	3.2	3.6	4.1	4.6	5.0	5.9	6.8	7.3
90°	0.5	0.5	0.5	0.9	1.4	1.4	1.8	2.3	2.7	3.2	4.1
92.5°	4.1	4.1	3.6	4.1	4.1	4.1	4.1	4.6	5.0	5.0	5.9
95°	12.3	11.8	11.8	11.8	11.8	11.8	11.8	12.3	12.7	12.7	13.2
97.5°	23.7	23.7	23.2	23.2	23.7	23.7	23.7	24.1	25.0	24.6	25.5
100°	36.9	36.9	36.4	36.9	37.3	37.8	38.7	38.7	39.6	39.6	41.0
102.5°	51.9	51.9	51.4	52.3	52.8	53.7	53.7	54.6	56.0	56.0	57.8
105°	66.9	67.4	67.4	68.3	69.2	70.1	70.1	71.5	73.3	73.3	75.6
107.5°	83.3	83.7	83.7	84.7	85.6	86.5	86.9	88.8	90.6	91.0	93.8
110°	99.2	99.7	100.1	101.0	101.9	103.3	104.2	106.0	108.3	109.2	111.5



TEST NUMBER: P395503

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	114.2	116.1	116.5	117.9	119.2	120.6	121.5	123.8	126.5	127.9	130.6
115°	131.5	132.4	132.9	134.3	136.1	137.5	138.4	140.6	143.4	145.2	148.4
117.5°	145.6	147.9	148.4	149.7	151.6	152.9	153.8	156.6	159.8	162.0	165.2
120°	160.7	162.5	164.3	165.2	166.6	168.4	169.3	172.0	175.7	178.0	181.6
122.5°	174.3	176.1	178.0	179.3	181.1	182.1	183.4	186.6	190.2	193.0	196.6
125°	188.0	190.2	191.6	193.0	195.3	196.2	197.5	200.7	204.4	207.5	211.2
127.5°	201.2	202.5	204.8	205.7	208.0	208.9	210.3	213.9	217.6	220.7	224.4
130°	213.5	215.3	217.1	217.6	220.3	221.7	223.0	226.2	230.3	233.5	237.1
132.5°	225.3	226.2	228.5	229.8	232.1	233.5	234.8	237.6	241.7	244.9	248.5
135°	236.2	237.1	239.9	241.2	242.6	244.0	245.8	248.5	252.6	255.8	259.4
137.5°	247.1	248.0	250.8	252.1	253.1	254.4	255.8	258.5	262.6	265.8	269.0
140°	257.2	258.1	259.9	261.7	262.6	263.5	264.9	267.6	271.3	274.4	277.6
142.5°	266.3	267.2	269.0	270.8	272.2	272.2	273.5	275.8	279.9	283.1	285.8
145°	274.9	275.4	277.2	279.0	280.8	280.8	281.3	283.5	287.2	290.8	293.6
147.5°	283.1	283.5	284.9	286.7	288.1	288.6	289.5	290.4	294.0	297.7	300.8
150°	290.4	290.8	291.7	293.6	294.5	295.4	296.3	296.7	299.5	302.7	306.3
152.5°	296.7	297.2	298.1	299.5	300.4	301.3	302.2	303.6	304.9	308.1	310.4
155°	303.1	303.6	304.0	305.4	306.3	306.8	307.2	309.0	310.4	312.2	314.5
157.5°	308.6	308.6	309.0	309.9	310.9	310.9	311.3	313.1	314.5	316.3	317.7
160°	313.1	313.1	313.6	314.5	314.5	315.0	315.4	316.8	317.7	320.0	321.8
162.5°	317.2	316.8	317.2	317.7	317.7	317.7	318.1	319.0	320.4	322.2	324.1
165°	320.4	320.4	320.4	320.9	320.9	320.4	320.4	321.3	322.2	323.6	325.0
167.5°	323.1	323.1	322.7	323.1	322.7	322.7	322.2	322.7	323.1	324.5	325.4
170°	325.4	325.0	325.0	325.0	324.5	324.1	324.1	324.1	324.1	325.0	325.9
172.5°	327.2	326.8	326.3	326.3	325.4	325.0	325.0	324.5	324.5	325.0	325.4
175°	327.7	327.2	326.8	326.8	325.9	325.4	325.0	325.0	324.5	325.0	325.4
177.5°	328.6	328.2	327.2	327.2	326.3	325.4	325.4	325.0	324.5	325.0	325.0
180°	324.1	324.1	324.1	324.1	324.1	324.1	324.1	324.1	324.1	324.1	324.1



TEST NUMBER: P395503

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	181.6	181.6	181.6	181.6	181.6	181.6	181.6	181.6	181.6	181.6
2.5°	182.5	182.5	182.1	181.6	181.6	181.1	180.7	180.2	179.8	179.3
5°	182.5	182.1	181.6	181.6	181.1	181.1	181.1	180.7	180.2	180.2
7.5°	182.5	182.5	182.1	181.6	181.6	181.6	181.6	181.6	181.1	181.1
10°	182.5	182.1	182.1	182.1	181.6	182.1	182.1	181.6	181.6	181.1
12.5°	182.1	182.1	182.1	182.1	182.1	182.1	182.1	182.1	182.1	181.6
15°	181.1	181.6	181.6	182.1	182.1	182.1	182.5	182.5	182.1	182.1
17.5°	180.7	181.1	181.6	182.1	182.1	182.1	182.5	182.5	182.5	182.5
20°	179.8	180.2	180.7	181.1	181.1	181.6	181.6	182.1	182.1	182.1
22.5°	178.0	178.4	179.3	179.8	180.2	180.7	181.1	181.1	181.1	181.1
25°	176.1	177.0	177.5	178.4	178.9	179.3	179.8	179.8	179.8	180.2
27.5°	173.9	174.8	176.1	176.6	177.0	177.5	178.0	178.4	178.4	178.4
30°	171.1	172.5	173.4	174.3	174.8	175.2	175.7	175.7	176.1	176.1
32.5°	167.9	169.3	170.2	171.1	171.6	172.0	173.0	173.0	173.4	173.4
35°	163.8	165.2	166.6	167.5	167.9	168.4	169.3	169.8	169.8	169.8
37.5°	159.8	161.1	162.5	163.8	164.3	164.8	165.7	165.7	166.1	166.1
40°	154.7	156.1	157.5	158.8	158.8	159.8	160.2	160.7	161.1	161.1
42.5°	149.7	151.1	152.0	153.4	153.8	154.3	154.7	155.7	155.7	156.1
45°	143.8	145.2	146.1	147.5	147.9	148.4	149.3	149.7	150.2	150.2
47.5°	137.5	138.4	139.3	140.6	141.5	142.0	142.5	142.9	143.4	142.9
50°	130.2	131.1	132.4	133.8	134.3	134.7	135.6	135.6	136.1	136.1
52.5°	122.4	123.8	124.7	126.1	126.5	127.0	127.9	127.9	128.3	128.3
55°	113.8	114.7	115.6	117.9	118.3	118.8	119.7	119.7	120.2	120.6
57.5°	105.6	106.0	107.4	108.3	109.2	109.2	109.7	110.1	110.6	110.6
60°	96.9	97.4	98.3	99.7	99.7	100.1	101.0	101.0	101.5	101.5
62.5°	87.8	88.8	89.7	91.0	90.6	91.0	91.9	91.9	92.4	92.4
65°	78.7	79.2	80.1	81.0	81.5	81.5	81.9	82.4	82.8	82.8
67.5°	69.2	70.1	70.5	71.9	71.5	71.9	72.4	72.4	72.8	72.8
70°	60.1	60.5	61.4	61.9	61.9	62.4	62.8	62.8	62.8	63.3
72.5°	51.0	51.4	51.9	52.3	52.3	52.8	53.3	53.3	53.7	53.7
75°	41.4	42.3	42.8	43.7	43.2	43.7	44.6	44.6	44.6	44.6
77.5°	33.2	33.7	34.6	35.0	35.0	35.0	36.0	35.5	36.0	36.0
80°	25.0	25.5	26.4	26.9	26.9	27.3	27.8	27.8	27.8	28.2
82.5°	17.8	18.7	19.6	20.0	20.0	20.5	20.9	20.9	21.4	21.4
85°	12.3	13.2	14.1	14.1	14.6	15.0	15.5	15.5	15.5	15.5
87.5°	8.2	8.6	9.1	9.6	10.0	10.0	10.5	10.5	10.9	10.9
90°	4.6	5.0	5.5	5.9	5.9	6.4	6.4	6.8	6.8	6.8
92.5°	6.4	6.4	6.8	7.3	7.3	7.3	7.3	7.7	7.7	7.7
95°	13.7	14.1	14.1	15.0	15.0	15.0	15.5	15.5	15.5	15.5
97.5°	26.4	26.4	26.4	27.3	27.3	27.3	27.8	27.8	27.8	28.2
100°	41.4	41.9	41.9	43.2	42.8	43.7	43.7	43.7	43.7	44.1
102.5°	58.3	59.2	59.6	61.0	61.0	61.0	61.9	61.4	61.9	61.9
105°	76.5	77.4	77.8	79.2	80.1	80.1	81.0	80.6	81.0	81.5
107.5°	94.7	96.0	96.9	98.3	99.2	99.7	99.7	100.1	100.6	101.0
110°	113.3	114.7	117.0	118.3	118.8	119.7	120.2	120.6	121.1	122.0



TEST NUMBER: P395503

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	132.9	134.3	136.1	137.9	137.5	138.8	139.7	140.2	140.6	140.2
115°	150.6	152.5	154.3	156.1	156.1	157.0	158.8	159.3	159.3	160.2
117.5°	167.5	169.8	171.6	173.4	173.9	174.8	176.1	177.5	177.5	178.4
120°	183.9	186.6	188.4	190.2	191.2	191.6	193.0	194.8	194.8	194.8
122.5°	199.3	201.6	203.9	205.7	206.6	207.5	208.5	210.7	210.7	211.6
125°	213.9	216.6	218.9	220.7	221.7	222.6	224.4	225.7	226.2	226.2
127.5°	227.6	230.3	232.6	234.8	235.3	236.2	238.0	239.9	240.3	240.8
130°	240.3	243.0	245.3	247.6	248.5	249.0	251.2	252.6	253.5	254.0
132.5°	251.7	254.4	256.7	259.0	259.9	260.8	262.2	264.4	264.9	264.9
135°	262.2	264.9	267.2	269.9	270.3	271.3	273.1	274.4	275.4	275.8
137.5°	271.7	274.4	277.2	279.5	280.4	280.8	282.6	284.5	285.4	285.8
140°	280.4	283.1	285.8	287.6	288.1	289.5	290.8	292.7	293.6	294.0
142.5°	288.6	290.8	293.1	295.4	295.8	296.7	298.1	299.9	300.8	301.3
145°	295.8	298.1	299.9	301.8	302.2	303.1	304.5	305.8	306.8	307.2
147.5°	302.7	304.5	306.3	307.7	308.1	309.0	309.9	310.9	311.8	312.2
150°	308.6	309.5	311.3	312.2	312.7	313.6	314.5	315.4	316.3	316.8
152.5°	313.1	314.5	315.4	316.8	317.2	317.7	318.6	319.5	320.4	320.4
155°	316.8	318.1	319.0	320.4	320.9	321.3	322.2	322.7	323.6	323.6
157.5°	319.5	320.9	321.8	322.7	323.1	323.6	324.1	325.0	325.9	325.9
160°	322.7	323.1	323.6	324.5	324.5	325.0	325.4	325.9	326.8	326.8
162.5°	325.4	325.9	325.0	325.4	325.0	325.4	325.9	326.3	326.8	326.8
165°	326.3	327.2	326.8	327.2	327.2	327.2	327.2	327.7	327.7	327.7
167.5°	326.3	327.2	326.8	326.8	327.2	327.2	327.7	328.2	328.2	328.2
170°	326.3	326.8	326.3	325.9	326.3	326.3	326.3	326.8	326.8	326.8
172.5°	325.9	326.3	325.4	325.0	325.0	325.0	324.5	324.5	324.1	324.1
175°	325.4	325.4	324.5	324.1	324.1	324.1	323.1	322.7	322.2	321.8
177.5°	325.0	325.0	323.6	323.1	323.1	322.7	322.7	321.8	321.8	321.3
180°	324.1	324.1	324.1	324.1	324.1	324.1	324.1	324.1	324.1	324.1

(END OF REPORT)