

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: P395535

Luminaire Tested: **I3-FL-30L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395535
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-30L92765-1D-UNV-W2A-W-4 (5700K)
Description: CORELITE I3, FROSTED TOP COVER
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2582.8 lumens
Efficiency: N/A
Efficacy: 121.3 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

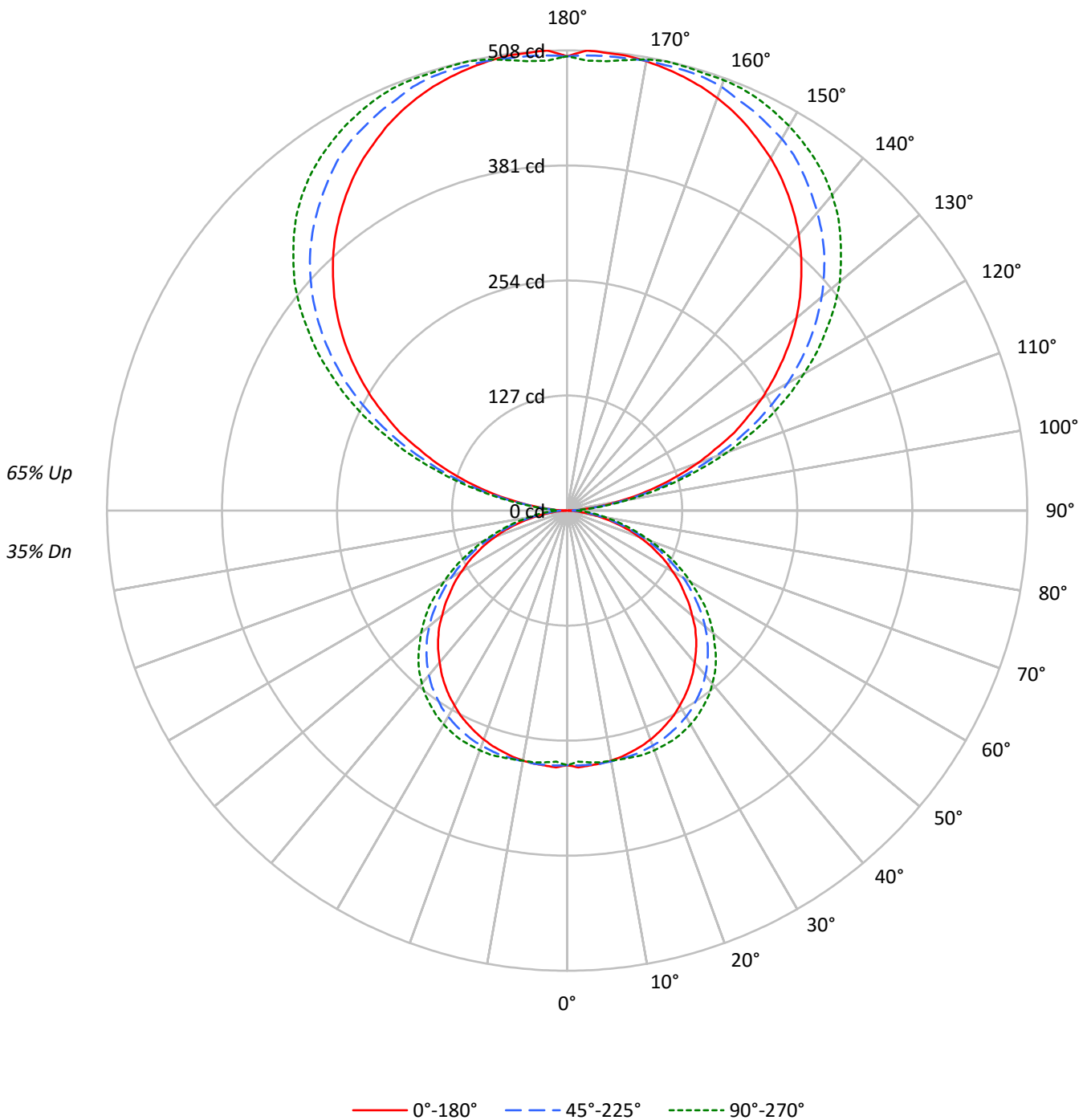
Input Watts (W): 21.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (5700K)

Luminous Intensity Polar Plot





TEST NUMBER: P395535

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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°	1545	1545	1545
5°	1552	1519	1495
10°	1553	1498	1478
15°	1549	1485	1472
20°	1549	1473	1469
25°	1546	1460	1464
30°	1540	1445	1451
35°	1533	1422	1429
40°	1517	1393	1398
45°	1502	1349	1355
50°	1467	1290	1289
55°	1426	1209	1211
60°	1377	1113	1095
65°	1310	997	972
70°	1216	851	821
75°	1059	676	653
80°	826	480	479
85°	450	275	313



TEST NUMBER: P395535

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (5700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.8	1.0
10°-20°	78.8	3.1
20°-30°	124.3	4.8
30°-40°	156.2	6.0
40°-50°	167.9	6.5
50°-60°	154.5	6.0
60°-70°	118.4	4.6
70°-80°	67.4	2.6
80°-90°	21.0	0.8
90°-100°	28.1	1.1
100°-110°	122.4	4.7
110°-120°	224.1	8.7
120°-130°	288.8	11.2
130°-140°	307.4	11.9
140°-150°	282.8	10.9
150°-160°	224.0	8.7
160°-170°	141.9	5.5
170°-180°	48.0	1.9
0°-30°	229.9	8.9
0°-40°	386.1	14.9
0°-60°	708.5	27.4
0°-90°	915.3	35.4
90°-120°	374.6	14.5
90°-150°	1253.6	48.5
90°-180°	1667.0	64.5
0°-180°	2582.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	281	281	281	281	281	
5°	282	280	282	280	279	27
15°	275	274	280	282	282	78
25°	260	261	270	277	279	120
35°	235	238	251	260	263	147
45°	201	206	220	229	232	155
55°	158	164	174	183	187	141
65°	110	113	120	126	128	109
75°	58	59	63	67	69	61
85°	11	13	18	22	24	13
90°	1	2	6	9	11	2
95°	19	18	20	23	24	24
105°	104	108	117	124	126	110
115°	204	213	230	242	248	200
125°	291	304	327	343	350	260
135°	366	378	402	418	427	282
145°	425	435	454	468	475	266
155°	469	475	487	496	501	216
165°	496	496	503	506	507	140
175°	507	504	504	502	498	48
180°	502	502	502	502	502	



TEST NUMBER: P395535

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	281.0	281.0	281.0	281.0	281.0	281.0	281.0	281.0	281.0	281.0	281.0
2.5°	283.8	283.1	282.4	281.0	281.0	280.3	280.3	280.3	280.3	281.0	281.7
5°	282.4	282.4	281.7	280.3	280.3	279.6	279.6	280.3	279.6	280.3	281.7
7.5°	281.7	281.7	281.0	279.6	279.6	279.6	279.6	279.6	279.6	280.3	281.7
10°	280.3	280.3	278.9	278.2	278.2	278.2	278.2	278.9	278.9	279.6	281.0
12.5°	278.2	277.5	276.8	276.1	276.1	276.1	276.8	277.5	277.5	278.9	280.3
15°	275.4	275.4	274.7	274.0	274.0	274.0	274.7	275.4	276.1	277.5	279.6
17.5°	272.6	272.6	271.9	271.9	271.9	271.9	272.6	273.3	274.7	276.1	278.2
20°	269.0	269.0	268.3	268.3	268.3	269.0	269.0	270.5	271.9	274.0	276.1
22.5°	264.8	264.8	264.8	264.1	264.8	265.5	266.2	267.6	269.0	271.2	274.0
25°	259.9	259.9	259.9	259.9	260.6	260.6	262.0	263.4	264.8	267.6	270.5
27.5°	255.0	255.0	255.0	254.3	255.7	256.4	257.1	259.2	260.6	264.1	266.9
30°	248.6	248.6	248.6	249.3	250.0	250.7	252.1	254.3	255.7	259.2	262.7
32.5°	242.3	242.3	242.3	242.3	244.4	245.1	245.8	247.9	250.7	254.3	257.8
35°	235.2	235.2	235.2	235.9	237.4	238.1	239.5	241.6	244.4	247.9	251.4
37.5°	227.5	228.2	228.2	228.9	230.3	231.7	233.1	235.2	238.1	241.6	245.1
40°	219.0	219.7	219.7	220.5	221.9	223.3	224.7	227.5	230.3	233.8	237.4
42.5°	210.6	211.3	211.3	212.7	214.1	215.5	216.9	219.7	222.6	226.1	228.9
45°	201.4	202.1	202.1	203.5	205.7	206.4	208.5	211.3	214.1	216.9	219.7
47.5°	191.6	192.3	192.3	193.7	195.8	197.2	198.6	201.4	203.5	207.1	209.9
50°	180.3	181.0	181.7	183.1	185.9	187.3	188.8	190.9	193.7	195.8	198.6
52.5°	169.7	169.7	170.4	171.9	174.0	175.4	176.1	178.2	181.7	184.5	187.3
55°	157.8	158.5	159.2	160.6	162.7	164.1	164.8	166.9	169.0	171.1	174.0
57.5°	147.2	147.2	147.9	149.3	151.4	152.1	152.8	154.2	157.1	159.2	161.3
60°	134.5	135.2	135.9	137.3	138.8	140.2	140.2	142.3	144.4	146.5	147.9
62.5°	123.3	123.3	124.0	125.4	126.1	127.5	127.5	129.6	131.0	133.1	134.5
65°	109.9	110.6	111.3	112.0	113.4	113.4	114.1	115.5	116.9	118.3	120.4
67.5°	97.9	97.9	98.6	99.3	100.0	100.0	100.7	102.1	103.5	104.9	106.4
70°	84.5	85.2	85.2	85.2	85.9	86.6	87.3	88.0	89.4	90.2	91.6
72.5°	71.1	71.1	71.8	71.8	72.5	73.2	74.0	74.7	75.4	76.8	77.5
75°	57.8	57.8	58.5	58.5	59.2	59.2	59.2	60.6	61.3	62.7	63.4
77.5°	44.4	45.1	45.1	45.1	45.8	46.5	46.5	47.2	48.6	49.3	50.0
80°	32.4	32.4	32.4	32.4	33.1	33.8	34.5	34.5	35.9	37.3	38.0
82.5°	20.4	20.4	21.1	21.8	21.8	22.5	23.2	23.9	25.4	26.1	26.8
85°	10.6	10.6	11.3	12.0	12.7	13.4	13.4	14.1	15.5	16.9	17.6
87.5°	3.5	4.2	4.2	4.9	5.6	6.3	7.0	7.7	9.2	10.6	11.3
90°	0.7	0.7	0.7	1.4	2.1	2.1	2.8	3.5	4.2	4.9	6.3
92.5°	6.3	6.3	5.6	6.3	6.3	6.3	6.3	7.0	7.7	7.7	9.2
95°	19.0	18.3	18.3	18.3	18.3	18.3	18.3	19.0	19.7	19.7	20.4
97.5°	36.6	36.6	35.9	35.9	36.6	36.6	36.6	37.3	38.7	38.0	39.4
100°	57.0	57.0	56.3	57.0	57.8	58.5	59.9	59.9	61.3	61.3	63.4
102.5°	80.3	80.3	79.6	81.0	81.7	83.1	83.1	84.5	86.6	86.6	89.4
105°	103.5	104.2	104.2	105.6	107.1	108.5	108.5	110.6	113.4	113.4	116.9
107.5°	128.9	129.6	129.6	131.0	132.4	133.8	134.5	137.3	140.2	140.9	145.1
110°	153.5	154.2	154.9	156.4	157.8	159.9	161.3	164.1	167.6	169.0	172.6



TEST NUMBER: P395535

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	176.8	179.6	180.3	182.4	184.5	186.6	188.1	191.6	195.8	197.9	202.1
115°	203.5	205.0	205.7	207.8	210.6	212.7	214.1	217.6	221.9	224.7	229.6
117.5°	225.4	228.9	229.6	231.7	234.5	236.7	238.1	242.3	247.2	250.7	255.7
120°	248.6	251.4	254.3	255.7	257.8	260.6	262.0	266.2	271.9	275.4	281.0
122.5°	269.8	272.6	275.4	277.5	280.3	281.7	283.8	288.8	294.4	298.6	304.3
125°	290.9	294.4	296.5	298.6	302.2	303.6	305.7	310.6	316.2	321.2	326.8
127.5°	311.3	313.4	316.9	318.4	321.9	323.3	325.4	331.0	336.7	341.6	347.2
130°	330.3	333.1	336.0	336.7	340.9	343.0	345.1	350.0	356.4	361.3	366.9
132.5°	348.6	350.0	353.6	355.7	359.2	361.3	363.4	367.7	374.0	378.9	384.6
135°	365.5	366.9	371.2	373.3	375.4	377.5	380.3	384.6	390.9	395.8	401.5
137.5°	382.4	383.9	388.1	390.2	391.6	393.7	395.8	400.1	406.4	411.3	416.3
140°	397.9	399.3	402.2	405.0	406.4	407.8	409.9	414.1	419.8	424.7	429.6
142.5°	412.0	413.4	416.3	419.1	421.2	421.2	423.3	426.8	433.2	438.1	442.3
145°	425.4	426.1	428.9	431.7	434.6	434.6	435.3	438.8	444.4	450.1	454.3
147.5°	438.1	438.8	440.9	443.7	445.8	446.5	447.9	449.4	455.0	460.6	465.6
150°	449.4	450.1	451.5	454.3	455.7	457.1	458.5	459.2	463.4	468.4	474.0
152.5°	459.2	459.9	461.3	463.4	464.8	466.3	467.7	469.8	471.9	476.8	480.3
155°	469.1	469.8	470.5	472.6	474.0	474.7	475.4	478.2	480.3	483.2	486.7
157.5°	477.5	477.5	478.2	479.6	481.0	481.0	481.8	484.6	486.7	489.5	491.6
160°	484.6	484.6	485.3	486.7	486.7	487.4	488.1	490.2	491.6	495.1	498.0
162.5°	490.9	490.2	490.9	491.6	491.6	491.6	492.3	493.7	495.8	498.7	501.5
165°	495.8	495.8	495.8	496.5	496.5	495.8	495.8	497.2	498.7	500.8	502.9
167.5°	500.1	500.1	499.4	500.1	499.4	499.4	498.7	499.4	500.1	502.2	503.6
170°	503.6	502.9	502.9	502.9	502.2	501.5	501.5	501.5	501.5	502.9	504.3
172.5°	506.4	505.7	505.0	505.0	503.6	502.9	502.9	502.2	502.2	502.9	503.6
175°	507.1	506.4	505.7	505.7	504.3	503.6	502.9	502.9	502.2	502.9	503.6
177.5°	508.5	507.8	506.4	506.4	505.0	503.6	503.6	502.9	502.2	502.9	502.9
180°	501.5	501.5	501.5	501.5	501.5	501.5	501.5	501.5	501.5	501.5	501.5



TEST NUMBER: P395535

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	281.0	281.0	281.0	281.0	281.0	281.0	281.0	281.0	281.0	281.0
2.5°	282.4	282.4	281.7	281.0	281.0	280.3	279.6	278.9	278.2	277.5
5°	282.4	281.7	281.0	281.0	280.3	280.3	280.3	279.6	278.9	278.9
7.5°	282.4	282.4	281.7	281.0	281.0	281.0	281.0	281.0	280.3	280.3
10°	282.4	281.7	281.7	281.7	281.0	281.7	281.7	281.0	281.0	280.3
12.5°	281.7	281.7	281.7	281.7	281.7	281.7	281.7	281.7	281.7	281.0
15°	280.3	281.0	281.0	281.7	281.7	281.7	282.4	282.4	281.7	281.7
17.5°	279.6	280.3	281.0	281.7	281.7	281.7	282.4	282.4	282.4	282.4
20°	278.2	278.9	279.6	280.3	280.3	281.0	281.0	281.7	281.7	281.7
22.5°	275.4	276.1	277.5	278.2	278.9	279.6	280.3	280.3	280.3	280.3
25°	272.6	274.0	274.7	276.1	276.8	277.5	278.2	278.2	278.2	278.9
27.5°	269.0	270.5	272.6	273.3	274.0	274.7	275.4	276.1	276.1	276.1
30°	264.8	266.9	268.3	269.8	270.5	271.2	271.9	271.9	272.6	272.6
32.5°	259.9	262.0	263.4	264.8	265.5	266.2	267.6	267.6	268.3	268.3
35°	253.6	255.7	257.8	259.2	259.9	260.6	262.0	262.7	262.7	262.7
37.5°	247.2	249.3	251.4	253.6	254.3	255.0	256.4	256.4	257.1	257.1
40°	239.5	241.6	243.7	245.8	245.8	247.2	247.9	248.6	249.3	249.3
42.5°	231.7	233.8	235.2	237.4	238.1	238.8	239.5	240.9	240.9	241.6
45°	222.6	224.7	226.1	228.2	228.9	229.6	231.0	231.7	232.4	232.4
47.5°	212.7	214.1	215.5	217.6	219.0	219.7	220.5	221.2	221.9	221.2
50°	201.4	202.8	205.0	207.1	207.8	208.5	209.9	209.9	210.6	210.6
52.5°	189.5	191.6	193.0	195.1	195.8	196.5	197.9	197.9	198.6	198.6
55°	176.1	177.5	178.9	182.4	183.1	183.8	185.2	185.2	185.9	186.6
57.5°	163.4	164.1	166.2	167.6	169.0	169.0	169.7	170.4	171.1	171.1
60°	150.0	150.7	152.1	154.2	154.2	154.9	156.4	156.4	157.1	157.1
62.5°	135.9	137.3	138.8	140.9	140.2	140.9	142.3	142.3	143.0	143.0
65°	121.8	122.6	124.0	125.4	126.1	126.1	126.8	127.5	128.2	128.2
67.5°	107.1	108.5	109.2	111.3	110.6	111.3	112.0	112.0	112.7	112.7
70°	93.0	93.7	95.1	95.8	95.8	96.5	97.2	97.2	97.2	97.9
72.5°	78.9	79.6	80.3	81.0	81.0	81.7	82.4	82.4	83.1	83.1
75°	64.1	65.5	66.2	67.6	66.9	67.6	69.0	69.0	69.0	69.0
77.5°	51.4	52.1	53.5	54.2	54.2	54.2	55.6	54.9	55.6	55.6
80°	38.7	39.4	40.9	41.6	41.6	42.3	43.0	43.0	43.0	43.7
82.5°	27.5	28.9	30.3	31.0	31.0	31.7	32.4	32.4	33.1	33.1
85°	19.0	20.4	21.8	21.8	22.5	23.2	23.9	23.9	23.9	23.9
87.5°	12.7	13.4	14.1	14.8	15.5	15.5	16.2	16.2	16.9	16.9
90°	7.0	7.7	8.5	9.2	9.2	9.9	9.9	10.6	10.6	10.6
92.5°	9.9	9.9	10.6	11.3	11.3	11.3	11.3	12.0	12.0	12.0
95°	21.1	21.8	21.8	23.2	23.2	23.2	23.9	23.9	23.9	23.9
97.5°	40.9	40.9	40.9	42.3	42.3	42.3	43.0	43.0	43.0	43.7
100°	64.1	64.8	64.8	66.9	66.2	67.6	67.6	67.6	67.6	68.3
102.5°	90.2	91.6	92.3	94.4	94.4	94.4	95.8	95.1	95.8	95.8
105°	118.3	119.7	120.4	122.6	124.0	124.0	125.4	124.7	125.4	126.1
107.5°	146.5	148.6	150.0	152.1	153.5	154.2	154.2	154.9	155.7	156.4
110°	175.4	177.5	181.0	183.1	183.8	185.2	185.9	186.6	187.3	188.8



TEST NUMBER: P395535

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	205.7	207.8	210.6	213.4	212.7	214.8	216.2	216.9	217.6	216.9
115°	233.1	235.9	238.8	241.6	241.6	243.0	245.8	246.5	246.5	247.9
117.5°	259.2	262.7	265.5	268.3	269.0	270.5	272.6	274.7	274.7	276.1
120°	284.5	288.8	291.6	294.4	295.8	296.5	298.6	301.4	301.4	301.4
122.5°	308.5	312.0	315.5	318.4	319.8	321.2	322.6	326.1	326.1	327.5
125°	331.0	335.3	338.8	341.6	343.0	344.4	347.2	349.3	350.0	350.0
127.5°	352.2	356.4	359.9	363.4	364.1	365.5	368.4	371.2	371.9	372.6
130°	371.9	376.1	379.6	383.1	384.6	385.3	388.8	390.9	392.3	393.0
132.5°	389.5	393.7	397.2	400.8	402.2	403.6	405.7	409.2	409.9	409.9
135°	405.7	409.9	413.4	417.7	418.4	419.8	422.6	424.7	426.1	426.8
137.5°	420.5	424.7	428.9	432.5	433.9	434.6	437.4	440.2	441.6	442.3
140°	433.9	438.1	442.3	445.1	445.8	447.9	450.1	452.9	454.3	455.0
142.5°	446.5	450.1	453.6	457.1	457.8	459.2	461.3	464.1	465.6	466.3
145°	457.8	461.3	464.1	467.0	467.7	469.1	471.2	473.3	474.7	475.4
147.5°	468.4	471.2	474.0	476.1	476.8	478.2	479.6	481.0	482.5	483.2
150°	477.5	478.9	481.8	483.2	483.9	485.3	486.7	488.1	489.5	490.2
152.5°	484.6	486.7	488.1	490.2	490.9	491.6	493.0	494.4	495.8	495.8
155°	490.2	492.3	493.7	495.8	496.5	497.2	498.7	499.4	500.8	500.8
157.5°	494.4	496.5	498.0	499.4	500.1	500.8	501.5	502.9	504.3	504.3
160°	499.4	500.1	500.8	502.2	502.2	502.9	503.6	504.3	505.7	505.7
162.5°	503.6	504.3	502.9	503.6	502.9	503.6	504.3	505.0	505.7	505.7
165°	505.0	506.4	505.7	506.4	506.4	506.4	506.4	507.1	507.1	507.1
167.5°	505.0	506.4	505.7	505.7	506.4	506.4	507.1	507.8	507.8	507.8
170°	505.0	505.7	505.0	504.3	505.0	505.0	505.0	505.7	505.7	505.7
172.5°	504.3	505.0	503.6	502.9	502.9	502.9	502.2	502.2	501.5	501.5
175°	503.6	503.6	502.2	501.5	501.5	501.5	500.1	499.4	498.7	498.0
177.5°	502.9	502.9	500.8	500.1	500.1	499.4	499.4	498.0	498.0	497.2
180°	501.5	501.5	501.5	501.5	501.5	501.5	501.5	501.5	501.5	501.5

(END OF REPORT)