

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: P395534

Luminaire Tested: **I3-FL-30L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395534
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 (5000K)
Description: CORELITE I3, FROSTED TOP COVER
3000 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: 2530.7 lumens
Efficiency: N/A
Efficacy: 119.4 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

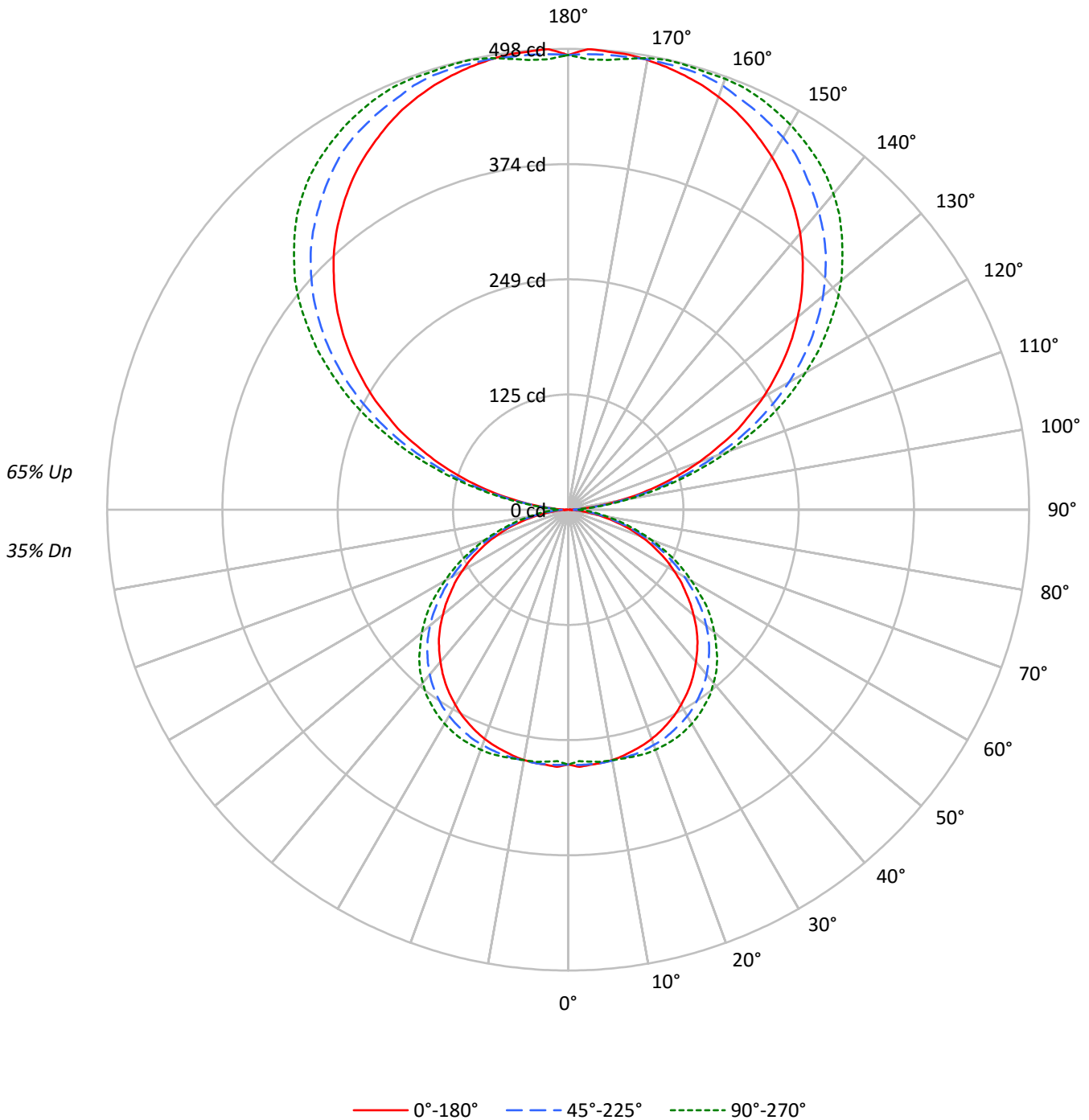
Input Watts (W): 21.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395534

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (5000K)

Luminous Intensity Polar Plot





TEST NUMBER: P395534

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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								
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°	1514	1514	1514
5°	1521	1489	1465
10°	1522	1468	1448
15°	1518	1455	1442
20°	1518	1443	1440
25°	1515	1430	1435
30°	1509	1416	1422
35°	1502	1394	1400
40°	1487	1365	1370
45°	1472	1322	1327
50°	1438	1264	1263
55°	1397	1184	1187
60°	1349	1091	1073
65°	1284	978	953
70°	1191	833	804
75°	1037	662	640
80°	808	471	469
85°	441	270	308



TEST NUMBER: P395534

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (5000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.3	1.0
10°-20°	77.2	3.1
20°-30°	121.8	4.8
30°-40°	153.0	6.0
40°-50°	164.6	6.5
50°-60°	151.4	6.0
60°-70°	116.0	4.6
70°-80°	66.0	2.6
80°-90°	20.6	0.8
90°-100°	27.6	1.1
100°-110°	119.9	4.7
110°-120°	219.6	8.7
120°-130°	283.0	11.2
130°-140°	301.2	11.9
140°-150°	277.1	10.9
150°-160°	219.5	8.7
160°-170°	139.0	5.5
170°-180°	47.1	1.9
0°-30°	225.2	8.9
0°-40°	378.3	14.9
0°-60°	694.2	27.4
0°-90°	896.8	35.4
90°-120°	367.1	14.5
90°-150°	1228.3	48.5
90°-180°	1634.0	64.6
0°-180°	2530.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	275	275	275	275	275	
5°	277	274	276	275	273	26
15°	270	268	274	276	276	76
25°	255	255	265	271	273	117
35°	230	233	246	255	257	144
45°	197	202	215	224	228	152
55°	155	161	170	179	183	139
65°	108	111	118	124	126	107
75°	57	58	62	66	68	60
85°	10	13	17	22	24	13
90°	1	2	6	9	10	2
95°	19	18	20	23	24	23
105°	101	106	115	122	124	108
115°	199	208	225	237	243	196
125°	285	297	320	336	343	255
135°	358	370	393	410	418	276
145°	417	426	445	458	466	261
155°	460	465	477	486	491	212
165°	486	486	493	496	497	137
175°	497	493	493	491	488	47
180°	491	491	491	491	491	



TEST NUMBER: P395534

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	275.4	275.4	275.4	275.4	275.4	275.4	275.4	275.4	275.4	275.4	275.4
2.5°	278.1	277.4	276.7	275.4	275.4	274.7	274.7	274.7	274.7	275.4	276.1
5°	276.7	276.7	276.1	274.7	274.7	274.0	274.0	274.7	274.0	274.7	276.1
7.5°	276.1	276.1	275.4	274.0	274.0	274.0	274.0	274.0	274.0	274.7	276.1
10°	274.7	274.7	273.3	272.6	272.6	272.6	272.6	273.3	273.3	274.0	275.4
12.5°	272.6	271.9	271.2	270.5	270.5	270.5	271.2	271.9	271.9	273.3	274.7
15°	269.8	269.8	269.1	268.5	268.5	268.5	269.1	269.8	270.5	271.9	274.0
17.5°	267.1	267.1	266.4	266.4	266.4	266.4	267.1	267.8	269.1	270.5	272.6
20°	263.6	263.6	262.9	262.9	262.9	263.6	263.6	265.0	266.4	268.5	270.5
22.5°	259.5	259.5	259.5	258.8	259.5	260.2	260.9	262.2	263.6	265.7	268.5
25°	254.7	254.7	254.7	254.7	255.3	255.3	256.7	258.1	259.5	262.2	265.0
27.5°	249.8	249.8	249.8	249.1	250.5	251.2	251.9	254.0	255.3	258.8	261.6
30°	243.6	243.6	243.6	244.3	245.0	245.7	247.1	249.1	250.5	254.0	257.4
32.5°	237.4	237.4	237.4	237.4	239.5	240.2	240.9	242.9	245.7	249.1	252.6
35°	230.5	230.5	230.5	231.2	232.6	233.3	234.6	236.7	239.5	242.9	246.4
37.5°	222.9	223.6	223.6	224.3	225.7	227.1	228.4	230.5	233.3	236.7	240.2
40°	214.6	215.3	215.3	216.0	217.4	218.8	220.2	222.9	225.7	229.1	232.6
42.5°	206.3	207.0	207.0	208.4	209.8	211.2	212.6	215.3	218.1	221.5	224.3
45°	197.4	198.1	198.1	199.4	201.5	202.2	204.3	207.0	209.8	212.6	215.3
47.5°	187.7	188.4	188.4	189.8	191.9	193.2	194.6	197.4	199.4	202.9	205.7
50°	176.7	177.4	178.1	179.4	182.2	183.6	185.0	187.0	189.8	191.9	194.6
52.5°	166.3	166.3	167.0	168.4	170.5	171.8	172.5	174.6	178.1	180.8	183.6
55°	154.6	155.3	156.0	157.3	159.4	160.8	161.5	163.6	165.6	167.7	170.5
57.5°	144.2	144.2	144.9	146.3	148.4	149.1	149.8	151.1	153.9	156.0	158.0
60°	131.8	132.5	133.2	134.6	136.0	137.3	137.3	139.4	141.5	143.5	144.9
62.5°	120.8	120.8	121.5	122.8	123.5	124.9	124.9	127.0	128.4	130.4	131.8
65°	107.7	108.3	109.0	109.7	111.1	111.1	111.8	113.2	114.6	115.9	118.0
67.5°	95.9	95.9	96.6	97.3	98.0	98.0	98.7	100.1	101.4	102.8	104.2
70°	82.8	83.5	83.5	83.5	84.2	84.9	85.6	86.3	87.6	88.3	89.7
72.5°	69.7	69.7	70.4	70.4	71.1	71.8	72.5	73.2	73.8	75.2	75.9
75°	56.6	56.6	57.3	57.3	58.0	58.0	58.0	59.4	60.0	61.4	62.1
77.5°	43.5	44.2	44.2	44.2	44.9	45.5	45.5	46.2	47.6	48.3	49.0
80°	31.7	31.7	31.7	31.7	32.4	33.1	33.8	33.8	35.2	36.6	37.3
82.5°	20.0	20.0	20.7	21.4	21.4	22.1	22.8	23.5	24.8	25.5	26.2
85°	10.4	10.4	11.0	11.7	12.4	13.1	13.1	13.8	15.2	16.6	17.3
87.5°	3.5	4.1	4.1	4.8	5.5	6.2	6.9	7.6	9.0	10.4	11.0
90°	0.7	0.7	0.7	1.4	2.1	2.1	2.8	3.5	4.1	4.8	6.2
92.5°	6.2	6.2	5.5	6.2	6.2	6.2	6.2	6.9	7.6	7.6	9.0
95°	18.6	17.9	17.9	17.9	17.9	17.9	17.9	18.6	19.3	19.3	20.0
97.5°	35.9	35.9	35.2	35.2	35.9	35.9	35.9	36.6	38.0	37.3	38.6
100°	55.9	55.9	55.2	55.9	56.6	57.3	58.7	58.7	60.0	60.0	62.1
102.5°	78.7	78.7	78.0	79.4	80.1	81.4	81.4	82.8	84.9	84.9	87.6
105°	101.4	102.1	102.1	103.5	104.9	106.3	106.3	108.3	111.1	111.1	114.6
107.5°	126.3	127.0	127.0	128.4	129.7	131.1	131.8	134.6	137.3	138.0	142.2
110°	150.4	151.1	151.8	153.2	154.6	156.7	158.0	160.8	164.2	165.6	169.1



TEST NUMBER: P395534

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	173.2	176.0	176.7	178.7	180.8	182.9	184.3	187.7	191.9	193.9	198.1
115°	199.4	200.8	201.5	203.6	206.3	208.4	209.8	213.2	217.4	220.2	225.0
117.5°	220.8	224.3	225.0	227.1	229.8	231.9	233.3	237.4	242.2	245.7	250.5
120°	243.6	246.4	249.1	250.5	252.6	255.3	256.7	260.9	266.4	269.8	275.4
122.5°	264.3	267.1	269.8	271.9	274.7	276.1	278.1	283.0	288.5	292.6	298.1
125°	285.0	288.5	290.5	292.6	296.1	297.4	299.5	304.3	309.9	314.7	320.2
127.5°	305.0	307.1	310.6	311.9	315.4	316.8	318.8	324.4	329.9	334.7	340.2
130°	323.7	326.4	329.2	329.9	334.0	336.1	338.2	343.0	349.2	354.0	359.6
132.5°	341.6	343.0	346.4	348.5	352.0	354.0	356.1	360.2	366.5	371.3	376.8
135°	358.2	359.6	363.7	365.8	367.8	369.9	372.7	376.8	383.0	387.9	393.4
137.5°	374.7	376.1	380.3	382.3	383.7	385.8	387.9	392.0	398.2	403.0	407.9
140°	389.9	391.3	394.1	396.8	398.2	399.6	401.7	405.8	411.3	416.1	421.0
142.5°	403.7	405.1	407.9	410.6	412.7	412.7	414.8	418.2	424.4	429.3	433.4
145°	416.8	417.5	420.3	423.0	425.8	425.8	426.5	429.9	435.5	441.0	445.1
147.5°	429.3	429.9	432.0	434.8	436.8	437.5	438.9	440.3	445.8	451.3	456.2
150°	440.3	441.0	442.4	445.1	446.5	447.9	449.3	450.0	454.1	458.9	464.5
152.5°	450.0	450.7	452.0	454.1	455.5	456.9	458.2	460.3	462.4	467.2	470.7
155°	459.6	460.3	461.0	463.1	464.5	465.1	465.8	468.6	470.7	473.4	476.9
157.5°	467.9	467.9	468.6	470.0	471.4	471.4	472.0	474.8	476.9	479.6	481.7
160°	474.8	474.8	475.5	476.9	476.9	477.6	478.3	480.3	481.7	485.2	487.9
162.5°	481.0	480.3	481.0	481.7	481.7	481.7	482.4	483.8	485.8	488.6	491.4
165°	485.8	485.8	485.8	486.5	486.5	485.8	485.8	487.2	488.6	490.7	492.7
167.5°	490.0	490.0	489.3	490.0	489.3	489.3	488.6	489.3	490.0	492.1	493.4
170°	493.4	492.7	492.7	492.7	492.1	491.4	491.4	491.4	491.4	492.7	494.1
172.5°	496.2	495.5	494.8	494.8	493.4	492.7	492.7	492.1	492.1	492.7	493.4
175°	496.9	496.2	495.5	495.5	494.1	493.4	492.7	492.7	492.1	492.7	493.4
177.5°	498.3	497.6	496.2	496.2	494.8	493.4	493.4	492.7	492.1	492.7	492.7
180°	491.4	491.4	491.4	491.4	491.4	491.4	491.4	491.4	491.4	491.4	491.4



TEST NUMBER: P395534

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	275.4	275.4	275.4	275.4	275.4	275.4	275.4	275.4	275.4	275.4
2.5°	276.7	276.7	276.1	275.4	275.4	274.7	274.0	273.3	272.6	271.9
5°	276.7	276.1	275.4	275.4	274.7	274.7	274.7	274.0	273.3	273.3
7.5°	276.7	276.7	276.1	275.4	275.4	275.4	275.4	275.4	274.7	274.7
10°	276.7	276.1	276.1	276.1	275.4	276.1	276.1	275.4	275.4	274.7
12.5°	276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1	275.4
15°	274.7	275.4	275.4	276.1	276.1	276.1	276.7	276.7	276.1	276.1
17.5°	274.0	274.7	275.4	276.1	276.1	276.1	276.7	276.7	276.7	276.7
20°	272.6	273.3	274.0	274.7	274.7	275.4	275.4	276.1	276.1	276.1
22.5°	269.8	270.5	271.9	272.6	273.3	274.0	274.7	274.7	274.7	274.7
25°	267.1	268.5	269.1	270.5	271.2	271.9	272.6	272.6	272.6	273.3
27.5°	263.6	265.0	267.1	267.8	268.5	269.1	269.8	270.5	270.5	270.5
30°	259.5	261.6	262.9	264.3	265.0	265.7	266.4	266.4	267.1	267.1
32.5°	254.7	256.7	258.1	259.5	260.2	260.9	262.2	262.2	262.9	262.9
35°	248.4	250.5	252.6	254.0	254.7	255.3	256.7	257.4	257.4	257.4
37.5°	242.2	244.3	246.4	248.4	249.1	249.8	251.2	251.2	251.9	251.9
40°	234.6	236.7	238.8	240.9	240.9	242.2	242.9	243.6	244.3	244.3
42.5°	227.1	229.1	230.5	232.6	233.3	234.0	234.6	236.0	236.0	236.7
45°	218.1	220.2	221.5	223.6	224.3	225.0	226.4	227.1	227.7	227.7
47.5°	208.4	209.8	211.2	213.2	214.6	215.3	216.0	216.7	217.4	216.7
50°	197.4	198.8	200.8	202.9	203.6	204.3	205.7	205.7	206.3	206.3
52.5°	185.6	187.7	189.1	191.2	191.9	192.5	193.9	193.9	194.6	194.6
55°	172.5	173.9	175.3	178.7	179.4	180.1	181.5	181.5	182.2	182.9
57.5°	160.1	160.8	162.9	164.2	165.6	165.6	166.3	167.0	167.7	167.7
60°	147.0	147.7	149.1	151.1	151.1	151.8	153.2	153.2	153.9	153.9
62.5°	133.2	134.6	136.0	138.0	137.3	138.0	139.4	139.4	140.1	140.1
65°	119.4	120.1	121.5	122.8	123.5	123.5	124.2	124.9	125.6	125.6
67.5°	104.9	106.3	107.0	109.0	108.3	109.0	109.7	109.7	110.4	110.4
70°	91.1	91.8	93.2	93.9	93.9	94.5	95.2	95.2	95.2	95.9
72.5°	77.3	78.0	78.7	79.4	79.4	80.1	80.7	80.7	81.4	81.4
75°	62.8	64.2	64.9	66.3	65.6	66.3	67.6	67.6	67.6	67.6
77.5°	50.4	51.1	52.4	53.1	53.1	53.1	54.5	53.8	54.5	54.5
80°	38.0	38.6	40.0	40.7	40.7	41.4	42.1	42.1	42.1	42.8
82.5°	26.9	28.3	29.7	30.4	30.4	31.1	31.7	31.7	32.4	32.4
85°	18.6	20.0	21.4	21.4	22.1	22.8	23.5	23.5	23.5	23.5
87.5°	12.4	13.1	13.8	14.5	15.2	15.2	15.9	15.9	16.6	16.6
90°	6.9	7.6	8.3	9.0	9.0	9.7	9.7	10.4	10.4	10.4
92.5°	9.7	9.7	10.4	11.0	11.0	11.0	11.0	11.7	11.7	11.7
95°	20.7	21.4	21.4	22.8	22.8	22.8	23.5	23.5	23.5	23.5
97.5°	40.0	40.0	40.0	41.4	41.4	41.4	42.1	42.1	42.1	42.8
100°	62.8	63.5	63.5	65.6	64.9	66.3	66.3	66.3	66.3	66.9
102.5°	88.3	89.7	90.4	92.5	92.5	92.5	93.9	93.2	93.9	93.9
105°	115.9	117.3	118.0	120.1	121.5	121.5	122.8	122.2	122.8	123.5
107.5°	143.5	145.6	147.0	149.1	150.4	151.1	151.1	151.8	152.5	153.2
110°	171.8	173.9	177.4	179.4	180.1	181.5	182.2	182.9	183.6	185.0



TEST NUMBER: P395534

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	201.5	203.6	206.3	209.1	208.4	210.5	211.9	212.6	213.2	212.6
115°	228.4	231.2	234.0	236.7	236.7	238.1	240.9	241.5	241.5	242.9
117.5°	254.0	257.4	260.2	262.9	263.6	265.0	267.1	269.1	269.1	270.5
120°	278.8	283.0	285.7	288.5	289.9	290.5	292.6	295.4	295.4	295.4
122.5°	302.3	305.7	309.2	311.9	313.3	314.7	316.1	319.5	319.5	320.9
125°	324.4	328.5	332.0	334.7	336.1	337.5	340.2	342.3	343.0	343.0
127.5°	345.1	349.2	352.7	356.1	356.8	358.2	360.9	363.7	364.4	365.1
130°	364.4	368.5	372.0	375.4	376.8	377.5	380.9	383.0	384.4	385.1
132.5°	381.6	385.8	389.2	392.7	394.1	395.4	397.5	401.0	401.7	401.7
135°	397.5	401.7	405.1	409.2	409.9	411.3	414.1	416.1	417.5	418.2
137.5°	412.0	416.1	420.3	423.7	425.1	425.8	428.6	431.3	432.7	433.4
140°	425.1	429.3	433.4	436.2	436.8	438.9	441.0	443.8	445.1	445.8
142.5°	437.5	441.0	444.4	447.9	448.6	450.0	452.0	454.8	456.2	456.9
145°	448.6	452.0	454.8	457.6	458.2	459.6	461.7	463.8	465.1	465.8
147.5°	458.9	461.7	464.5	466.5	467.2	468.6	470.0	471.4	472.7	473.4
150°	467.9	469.3	472.0	473.4	474.1	475.5	476.9	478.3	479.6	480.3
152.5°	474.8	476.9	478.3	480.3	481.0	481.7	483.1	484.5	485.8	485.8
155°	480.3	482.4	483.8	485.8	486.5	487.2	488.6	489.3	490.7	490.7
157.5°	484.5	486.5	487.9	489.3	490.0	490.7	491.4	492.7	494.1	494.1
160°	489.3	490.0	490.7	492.1	492.1	492.7	493.4	494.1	495.5	495.5
162.5°	493.4	494.1	492.7	493.4	492.7	493.4	494.1	494.8	495.5	495.5
165°	494.8	496.2	495.5	496.2	496.2	496.2	496.2	496.9	496.9	496.9
167.5°	494.8	496.2	495.5	495.5	496.2	496.2	496.9	497.6	497.6	497.6
170°	494.8	495.5	494.8	494.1	494.8	494.8	494.8	495.5	495.5	495.5
172.5°	494.1	494.8	493.4	492.7	492.7	492.7	492.1	492.1	491.4	491.4
175°	493.4	493.4	492.1	491.4	491.4	491.4	490.0	489.3	488.6	487.9
177.5°	492.7	492.7	490.7	490.0	490.0	489.3	489.3	487.9	487.9	487.2
180°	491.4	491.4	491.4	491.4	491.4	491.4	491.4	491.4	491.4	491.4

(END OF REPORT)