

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: P395533

Luminaire Tested: **I3-FL-30L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395533
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 (4500K)
Description: CORELITE I3, FROSTED TOP COVER
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2481.4 lumens
Efficiency: N/A
Efficacy: 117.6 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

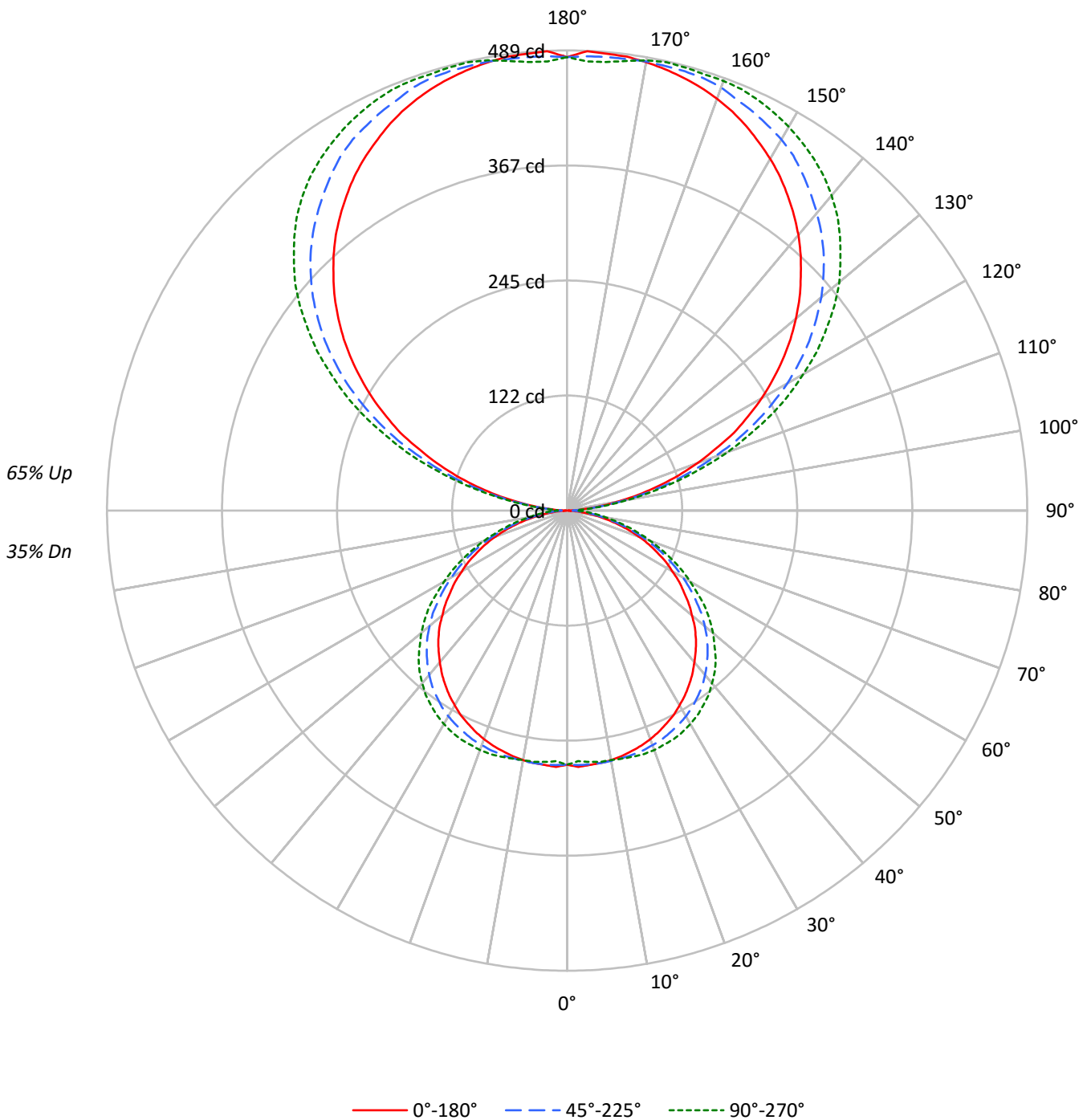
Input Watts (W): 21.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1484	1484	1484
5°	1491	1460	1437
10°	1492	1439	1420
15°	1489	1427	1414
20°	1489	1415	1412
25°	1485	1402	1407
30°	1480	1389	1394
35°	1473	1367	1373
40°	1458	1338	1343
45°	1443	1296	1302
50°	1410	1239	1238
55°	1370	1161	1164
60°	1323	1070	1052
65°	1259	958	934
70°	1168	817	789
75°	1017	649	627
80°	793	461	460
85°	433	264	302



TEST NUMBER: P395533

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (4500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.7	1.0
10°-20°	75.7	3.1
20°-30°	119.4	4.8
30°-40°	150.1	6.0
40°-50°	161.3	6.5
50°-60°	148.4	6.0
60°-70°	113.7	4.6
70°-80°	64.8	2.6
80°-90°	20.2	0.8
90°-100°	27.0	1.1
100°-110°	117.6	4.7
110°-120°	215.3	8.7
120°-130°	277.5	11.2
130°-140°	295.3	11.9
140°-150°	271.7	10.9
150°-160°	215.2	8.7
160°-170°	136.3	5.5
170°-180°	46.1	1.9
0°-30°	220.9	8.9
0°-40°	370.9	14.9
0°-60°	680.7	27.4
0°-90°	879.4	35.4
90°-120°	359.9	14.5
90°-150°	1204.4	48.5
90°-180°	1602.0	64.6
0°-180°	2481.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	270	270	270	270	270	
5°	271	269	271	269	268	26
15°	265	263	269	271	271	75
25°	250	250	260	266	268	115
35°	226	229	242	250	252	141
45°	194	198	211	220	223	149
55°	152	158	167	176	179	136
65°	106	109	116	121	123	105
75°	56	57	61	64	66	59
85°	10	13	17	22	23	13
90°	1	2	6	9	10	1
95°	18	18	20	22	23	23
105°	100	104	112	119	121	106
115°	196	204	221	232	238	192
125°	280	292	314	330	336	250
135°	351	363	386	402	410	271
145°	409	418	436	449	457	256
155°	451	456	468	477	481	208
165°	476	476	483	486	487	135
175°	487	484	484	482	478	46
180°	482	482	482	482	482	



TEST NUMBER: P395533

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	270.0	270.0	270.0	270.0	270.0	270.0	270.0	270.0	270.0	270.0	270.0
2.5°	272.7	272.0	271.3	270.0	270.0	269.3	269.3	269.3	269.3	270.0	270.7
5°	271.3	271.3	270.7	269.3	269.3	268.6	268.6	269.3	268.6	269.3	270.7
7.5°	270.7	270.7	270.0	268.6	268.6	268.6	268.6	268.6	268.6	269.3	270.7
10°	269.3	269.3	268.0	267.3	267.3	267.3	267.3	268.0	268.0	268.6	270.0
12.5°	267.3	266.6	265.9	265.3	265.3	265.3	265.9	266.6	266.6	268.0	269.3
15°	264.6	264.6	263.9	263.2	263.2	263.2	263.9	264.6	265.3	266.6	268.6
17.5°	261.9	261.9	261.2	261.2	261.2	261.2	261.9	262.6	263.9	265.3	267.3
20°	258.5	258.5	257.8	257.8	257.8	258.5	258.5	259.8	261.2	263.2	265.3
22.5°	254.4	254.4	254.4	253.8	254.4	255.1	255.8	257.1	258.5	260.5	263.2
25°	249.7	249.7	249.7	249.7	250.4	250.4	251.7	253.1	254.4	257.1	259.8
27.5°	245.0	245.0	245.0	244.3	245.6	246.3	247.0	249.0	250.4	253.8	256.5
30°	238.9	238.9	238.9	239.5	240.2	240.9	242.3	244.3	245.6	249.0	252.4
32.5°	232.8	232.8	232.8	232.8	234.8	235.5	236.2	238.2	240.9	244.3	247.7
35°	226.0	226.0	226.0	226.7	228.0	228.7	230.1	232.1	234.8	238.2	241.6
37.5°	218.6	219.2	219.2	219.9	221.3	222.6	224.0	226.0	228.7	232.1	235.5
40°	210.4	211.1	211.1	211.8	213.2	214.5	215.9	218.6	221.3	224.7	228.0
42.5°	202.3	203.0	203.0	204.4	205.7	207.1	208.4	211.1	213.8	217.2	219.9
45°	193.5	194.2	194.2	195.6	197.6	198.3	200.3	203.0	205.7	208.4	211.1
47.5°	184.1	184.7	184.7	186.1	188.1	189.5	190.8	193.5	195.6	198.9	201.7
50°	173.2	173.9	174.6	175.9	178.6	180.0	181.4	183.4	186.1	188.1	190.8
52.5°	163.1	163.1	163.8	165.1	167.1	168.5	169.2	171.2	174.6	177.3	180.0
55°	151.6	152.3	152.9	154.3	156.3	157.7	158.3	160.4	162.4	164.4	167.1
57.5°	141.4	141.4	142.1	143.5	145.5	146.2	146.8	148.2	150.9	152.9	155.0
60°	129.2	129.9	130.6	132.0	133.3	134.7	134.7	136.7	138.7	140.7	142.1
62.5°	118.4	118.4	119.1	120.4	121.1	122.5	122.5	124.5	125.9	127.9	129.2
65°	105.6	106.2	106.9	107.6	108.9	108.9	109.6	111.0	112.3	113.7	115.7
67.5°	94.1	94.1	94.7	95.4	96.1	96.1	96.8	98.1	99.5	100.8	102.2
70°	81.2	81.9	81.9	81.9	82.6	83.2	83.9	84.6	85.9	86.6	88.0
72.5°	68.3	68.3	69.0	69.0	69.7	70.4	71.1	71.7	72.4	73.8	74.4
75°	55.5	55.5	56.2	56.2	56.8	56.8	56.8	58.2	58.9	60.2	60.9
77.5°	42.6	43.3	43.3	43.3	44.0	44.7	44.7	45.3	46.7	47.4	48.0
80°	31.1	31.1	31.1	31.1	31.8	32.5	33.2	33.2	34.5	35.9	36.5
82.5°	19.6	19.6	20.3	21.0	21.0	21.7	22.3	23.0	24.4	25.0	25.7
85°	10.2	10.2	10.8	11.5	12.2	12.9	12.9	13.5	14.9	16.2	16.9
87.5°	3.4	4.1	4.1	4.7	5.4	6.1	6.8	7.4	8.8	10.2	10.8
90°	0.7	0.7	0.7	1.4	2.0	2.0	2.7	3.4	4.1	4.7	6.1
92.5°	6.1	6.1	5.4	6.1	6.1	6.1	6.1	6.8	7.4	7.4	8.8
95°	18.3	17.6	17.6	17.6	17.6	17.6	17.6	18.3	18.9	18.9	19.6
97.5°	35.2	35.2	34.5	34.5	35.2	35.2	35.2	35.9	37.2	36.5	37.9
100°	54.8	54.8	54.1	54.8	55.5	56.2	57.5	57.5	58.9	58.9	60.9
102.5°	77.1	77.1	76.5	77.8	78.5	79.8	79.8	81.2	83.2	83.2	85.9
105°	99.5	100.1	100.1	101.5	102.9	104.2	104.2	106.2	108.9	108.9	112.3
107.5°	123.8	124.5	124.5	125.9	127.2	128.6	129.2	132.0	134.7	135.3	139.4
110°	147.5	148.2	148.9	150.2	151.6	153.6	155.0	157.7	161.1	162.4	165.8



TEST NUMBER: P395533

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	169.8	172.6	173.2	175.3	177.3	179.3	180.7	184.1	188.1	190.1	194.2
115°	195.6	196.9	197.6	199.6	202.3	204.4	205.7	209.1	213.2	215.9	220.6
117.5°	216.5	219.9	220.6	222.6	225.3	227.4	228.7	232.8	237.5	240.9	245.6
120°	238.9	241.6	244.3	245.6	247.7	250.4	251.7	255.8	261.2	264.6	270.0
122.5°	259.2	261.9	264.6	266.6	269.3	270.7	272.7	277.4	282.9	286.9	292.3
125°	279.5	282.9	284.9	286.9	290.3	291.6	293.7	298.4	303.8	308.6	314.0
127.5°	299.1	301.1	304.5	305.9	309.2	310.6	312.6	318.0	323.5	328.2	333.6
130°	317.4	320.1	322.8	323.5	327.5	329.5	331.6	336.3	342.4	347.1	352.6
132.5°	335.0	336.3	339.7	341.7	345.1	347.1	349.2	353.2	359.3	364.1	369.5
135°	351.2	352.6	356.6	358.6	360.7	362.7	365.4	369.5	375.6	380.3	385.7
137.5°	367.4	368.8	372.9	374.9	376.2	378.3	380.3	384.4	390.4	395.2	399.9
140°	382.3	383.7	386.4	389.1	390.4	391.8	393.8	397.9	403.3	408.0	412.8
142.5°	395.9	397.2	399.9	402.6	404.7	404.7	406.7	410.1	416.2	420.9	425.0
145°	408.7	409.4	412.1	414.8	417.5	417.5	418.2	421.6	427.0	432.4	436.5
147.5°	420.9	421.6	423.6	426.3	428.3	429.0	430.4	431.7	437.1	442.6	447.3
150°	431.7	432.4	433.8	436.5	437.8	439.2	440.5	441.2	445.3	450.0	455.4
152.5°	441.2	441.9	443.2	445.3	446.6	448.0	449.3	451.3	453.4	458.1	461.5
155°	450.7	451.3	452.0	454.1	455.4	456.1	456.8	459.5	461.5	464.2	467.6
157.5°	458.8	458.8	459.5	460.8	462.2	462.2	462.9	465.6	467.6	470.3	472.3
160°	465.6	465.6	466.2	467.6	467.6	468.3	468.9	471.0	472.3	475.7	478.4
162.5°	471.6	471.0	471.6	472.3	472.3	472.3	473.0	474.4	476.4	479.1	481.8
165°	476.4	476.4	476.4	477.1	477.1	476.4	476.4	477.7	479.1	481.1	483.2
167.5°	480.4	480.4	479.8	480.4	479.8	479.8	479.1	479.8	480.4	482.5	483.8
170°	483.8	483.2	483.2	483.2	482.5	481.8	481.8	481.8	481.8	483.2	484.5
172.5°	486.5	485.9	485.2	485.2	483.8	483.2	483.2	482.5	482.5	483.2	483.8
175°	487.2	486.5	485.9	485.9	484.5	483.8	483.2	483.2	482.5	483.2	483.8
177.5°	488.6	487.9	486.5	486.5	485.2	483.8	483.8	483.2	482.5	483.2	483.2
180°	481.8	481.8	481.8	481.8	481.8	481.8	481.8	481.8	481.8	481.8	481.8



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CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	270.0	270.0	270.0	270.0	270.0	270.0	270.0	270.0	270.0	270.0
2.5°	271.3	271.3	270.7	270.0	270.0	269.3	268.6	268.0	267.3	266.6
5°	271.3	270.7	270.0	270.0	269.3	269.3	269.3	268.6	268.0	268.0
7.5°	271.3	271.3	270.7	270.0	270.0	270.0	270.0	270.0	269.3	269.3
10°	271.3	270.7	270.7	270.7	270.0	270.7	270.7	270.0	270.0	269.3
12.5°	270.7	270.7	270.7	270.7	270.7	270.7	270.7	270.7	270.7	270.0
15°	269.3	270.0	270.0	270.7	270.7	270.7	271.3	271.3	270.7	270.7
17.5°	268.6	269.3	270.0	270.7	270.7	270.7	271.3	271.3	271.3	271.3
20°	267.3	268.0	268.6	269.3	269.3	270.0	270.0	270.7	270.7	270.7
22.5°	264.6	265.3	266.6	267.3	268.0	268.6	269.3	269.3	269.3	269.3
25°	261.9	263.2	263.9	265.3	265.9	266.6	267.3	267.3	267.3	268.0
27.5°	258.5	259.8	261.9	262.6	263.2	263.9	264.6	265.3	265.3	265.3
30°	254.4	256.5	257.8	259.2	259.8	260.5	261.2	261.2	261.9	261.9
32.5°	249.7	251.7	253.1	254.4	255.1	255.8	257.1	257.1	257.8	257.8
35°	243.6	245.6	247.7	249.0	249.7	250.4	251.7	252.4	252.4	252.4
37.5°	237.5	239.5	241.6	243.6	244.3	245.0	246.3	246.3	247.0	247.0
40°	230.1	232.1	234.1	236.2	236.2	237.5	238.2	238.9	239.5	239.5
42.5°	222.6	224.7	226.0	228.0	228.7	229.4	230.1	231.4	231.4	232.1
45°	213.8	215.9	217.2	219.2	219.9	220.6	222.0	222.6	223.3	223.3
47.5°	204.4	205.7	207.1	209.1	210.4	211.1	211.8	212.5	213.2	212.5
50°	193.5	194.9	196.9	198.9	199.6	200.3	201.7	201.7	202.3	202.3
52.5°	182.0	184.1	185.4	187.4	188.1	188.8	190.1	190.1	190.8	190.8
55°	169.2	170.5	171.9	175.3	175.9	176.6	178.0	178.0	178.6	179.3
57.5°	157.0	157.7	159.7	161.1	162.4	162.4	163.1	163.8	164.4	164.4
60°	144.1	144.8	146.2	148.2	148.2	148.9	150.2	150.2	150.9	150.9
62.5°	130.6	132.0	133.3	135.3	134.7	135.3	136.7	136.7	137.4	137.4
65°	117.1	117.7	119.1	120.4	121.1	121.1	121.8	122.5	123.2	123.2
67.5°	102.9	104.2	104.9	106.9	106.2	106.9	107.6	107.6	108.3	108.3
70°	89.3	90.0	91.4	92.0	92.0	92.7	93.4	93.4	93.4	94.1
72.5°	75.8	76.5	77.1	77.8	77.8	78.5	79.2	79.2	79.8	79.8
75°	61.6	62.9	63.6	65.0	64.3	65.0	66.3	66.3	66.3	66.3
77.5°	49.4	50.1	51.4	52.1	52.1	52.1	53.5	52.8	53.5	53.5
80°	37.2	37.9	39.2	39.9	39.9	40.6	41.3	41.3	41.3	42.0
82.5°	26.4	27.7	29.1	29.8	29.8	30.5	31.1	31.1	31.8	31.8
85°	18.3	19.6	21.0	21.0	21.7	22.3	23.0	23.0	23.0	23.0
87.5°	12.2	12.9	13.5	14.2	14.9	14.9	15.6	15.6	16.2	16.2
90°	6.8	7.4	8.1	8.8	8.8	9.5	9.5	10.2	10.2	10.2
92.5°	9.5	9.5	10.2	10.8	10.8	10.8	10.8	11.5	11.5	11.5
95°	20.3	21.0	21.0	22.3	22.3	22.3	23.0	23.0	23.0	23.0
97.5°	39.2	39.2	39.2	40.6	40.6	40.6	41.3	41.3	41.3	42.0
100°	61.6	62.3	62.3	64.3	63.6	65.0	65.0	65.0	65.0	65.6
102.5°	86.6	88.0	88.6	90.7	90.7	90.7	92.0	91.4	92.0	92.0
105°	113.7	115.0	115.7	117.7	119.1	119.1	120.4	119.8	120.4	121.1
107.5°	140.7	142.8	144.1	146.2	147.5	148.2	148.2	148.9	149.5	150.2
110°	168.5	170.5	173.9	175.9	176.6	178.0	178.6	179.3	180.0	181.4



TEST NUMBER: P395533

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	197.6	199.6	202.3	205.0	204.4	206.4	207.7	208.4	209.1	208.4
115°	224.0	226.7	229.4	232.1	232.1	233.5	236.2	236.8	236.8	238.2
117.5°	249.0	252.4	255.1	257.8	258.5	259.8	261.9	263.9	263.9	265.3
120°	273.4	277.4	280.1	282.9	284.2	284.9	286.9	289.6	289.6	289.6
122.5°	296.4	299.8	303.2	305.9	307.2	308.6	309.9	313.3	313.3	314.7
125°	318.0	322.1	325.5	328.2	329.5	330.9	333.6	335.6	336.3	336.3
127.5°	338.3	342.4	345.8	349.2	349.8	351.2	353.9	356.6	357.3	358.0
130°	357.3	361.3	364.7	368.1	369.5	370.1	373.5	375.6	376.9	377.6
132.5°	374.2	378.3	381.6	385.0	386.4	387.7	389.8	393.2	393.8	393.8
135°	389.8	393.8	397.2	401.3	401.9	403.3	406.0	408.0	409.4	410.1
137.5°	404.0	408.0	412.1	415.5	416.8	417.5	420.2	422.9	424.3	425.0
140°	416.8	420.9	425.0	427.7	428.3	430.4	432.4	435.1	436.5	437.1
142.5°	429.0	432.4	435.8	439.2	439.8	441.2	443.2	445.9	447.3	448.0
145°	439.8	443.2	445.9	448.6	449.3	450.7	452.7	454.7	456.1	456.8
147.5°	450.0	452.7	455.4	457.4	458.1	459.5	460.8	462.2	463.5	464.2
150°	458.8	460.1	462.9	464.2	464.9	466.2	467.6	468.9	470.3	471.0
152.5°	465.6	467.6	468.9	471.0	471.6	472.3	473.7	475.0	476.4	476.4
155°	471.0	473.0	474.4	476.4	477.1	477.7	479.1	479.8	481.1	481.1
157.5°	475.0	477.1	478.4	479.8	480.4	481.1	481.8	483.2	484.5	484.5
160°	479.8	480.4	481.1	482.5	482.5	483.2	483.8	484.5	485.9	485.9
162.5°	483.8	484.5	483.2	483.8	483.2	483.8	484.5	485.2	485.9	485.9
165°	485.2	486.5	485.9	486.5	486.5	486.5	486.5	487.2	487.2	487.2
167.5°	485.2	486.5	485.9	485.9	486.5	486.5	487.2	487.9	487.9	487.9
170°	485.2	485.9	485.2	484.5	485.2	485.2	485.2	485.9	485.9	485.9
172.5°	484.5	485.2	483.8	483.2	483.2	483.2	482.5	482.5	481.8	481.8
175°	483.8	483.8	482.5	481.8	481.8	481.8	480.4	479.8	479.1	478.4
177.5°	483.2	483.2	481.1	480.4	480.4	479.8	479.8	478.4	478.4	477.7
180°	481.8	481.8	481.8	481.8	481.8	481.8	481.8	481.8	481.8	481.8

(END OF REPORT)