

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: P395530

Luminaire Tested: **I3-FL-30L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395530
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 (3000K)
Description: CORELITE I3, FROSTED TOP COVER
3000 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: 2232.2 lumens
Efficiency: N/A
Efficacy: 108.9 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

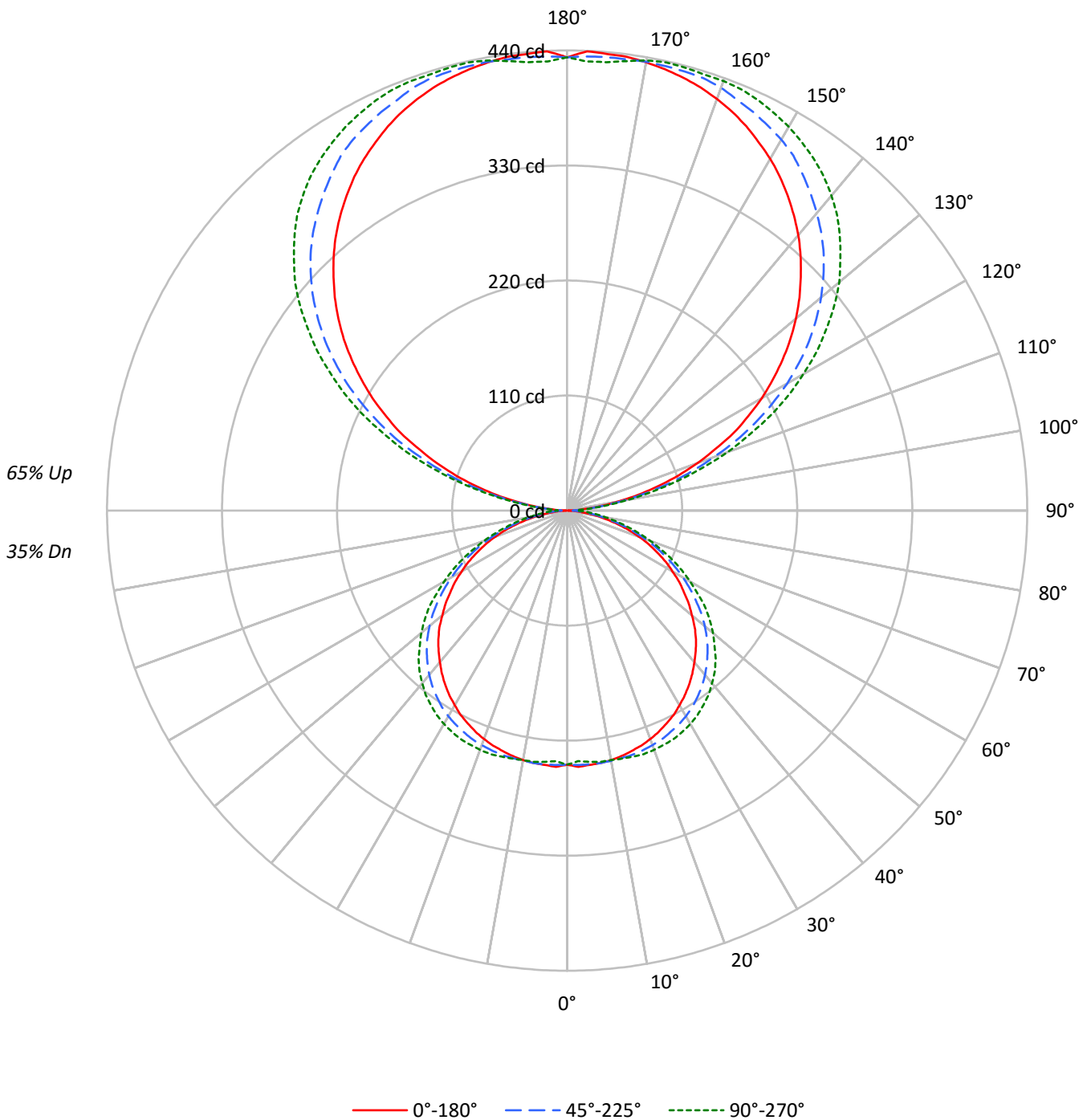
Input Watts (W): 20.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P395530

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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°	1335	1335	1335
5°	1342	1313	1293
10°	1342	1295	1277
15°	1339	1284	1272
20°	1339	1273	1270
25°	1336	1261	1265
30°	1331	1250	1254
35°	1325	1229	1235
40°	1311	1203	1208
45°	1298	1166	1171
50°	1268	1115	1114
55°	1232	1045	1047
60°	1191	962	946
65°	1132	862	840
70°	1050	735	710
75°	914	584	565
80°	714	415	413
85°	386	237	271



TEST NUMBER: P395530

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (3000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.2	1.0
10°-20°	68.1	3.1
20°-30°	107.4	4.8
30°-40°	135.0	6.0
40°-50°	145.1	6.5
50°-60°	133.5	6.0
60°-70°	102.3	4.6
70°-80°	58.2	2.6
80°-90°	18.2	0.8
90°-100°	24.3	1.1
100°-110°	105.8	4.7
110°-120°	193.7	8.7
120°-130°	249.6	11.2
130°-140°	265.6	11.9
140°-150°	244.4	10.9
150°-160°	193.6	8.7
160°-170°	122.6	5.5
170°-180°	41.5	1.9
0°-30°	198.7	8.9
0°-40°	333.7	14.9
0°-60°	612.3	27.4
0°-90°	791.1	35.4
90°-120°	323.8	14.5
90°-150°	1083.4	48.5
90°-180°	1441.0	64.6
0°-180°	2232.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	243	243	243	243	243	
5°	244	242	244	242	241	23
15°	238	237	242	244	244	67
25°	225	225	234	239	241	104
35°	203	206	217	225	227	127
45°	174	178	190	198	201	134
55°	136	142	150	158	161	122
65°	95	98	104	109	111	94
75°	50	51	55	58	60	53
85°	9	12	15	20	21	11
90°	1	2	6	8	9	1
95°	16	16	18	20	21	21
105°	90	94	101	107	109	95
115°	176	184	198	209	214	173
125°	251	262	282	296	302	225
135°	316	326	347	362	369	244
145°	368	376	393	404	411	230
155°	405	410	421	429	433	187
165°	428	428	435	438	438	121
175°	438	435	435	433	430	42
180°	433	433	433	433	433	



TEST NUMBER: P395530

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	242.9	242.9	242.9	242.9	242.9	242.9	242.9	242.9	242.9	242.9	242.9
2.5°	245.3	244.7	244.1	242.9	242.9	242.3	242.3	242.3	242.3	242.9	243.5
5°	244.1	244.1	243.5	242.3	242.3	241.7	241.7	242.3	241.7	242.3	243.5
7.5°	243.5	243.5	242.9	241.7	241.7	241.7	241.7	241.7	241.7	242.3	243.5
10°	242.3	242.3	241.1	240.4	240.4	240.4	240.4	241.1	241.1	241.7	242.9
12.5°	240.4	239.8	239.2	238.6	238.6	238.6	239.2	239.8	239.8	241.1	242.3
15°	238.0	238.0	237.4	236.8	236.8	236.8	237.4	238.0	238.6	239.8	241.7
17.5°	235.6	235.6	235.0	235.0	235.0	235.0	235.6	236.2	237.4	238.6	240.4
20°	232.5	232.5	231.9	231.9	231.9	232.5	232.5	233.7	235.0	236.8	238.6
22.5°	228.9	228.9	228.9	228.3	228.9	229.5	230.1	231.3	232.5	234.4	236.8
25°	224.6	224.6	224.6	224.6	225.2	225.2	226.4	227.7	228.9	231.3	233.7
27.5°	220.4	220.4	220.4	219.7	221.0	221.6	222.2	224.0	225.2	228.3	230.7
30°	214.9	214.9	214.9	215.5	216.1	216.7	217.9	219.7	221.0	224.0	227.1
32.5°	209.4	209.4	209.4	209.4	211.2	211.8	212.4	214.3	216.7	219.7	222.8
35°	203.3	203.3	203.3	203.9	205.1	205.7	207.0	208.8	211.2	214.3	217.3
37.5°	196.6	197.2	197.2	197.8	199.0	200.3	201.5	203.3	205.7	208.8	211.8
40°	189.3	189.9	189.9	190.5	191.7	193.0	194.2	196.6	199.0	202.1	205.1
42.5°	182.0	182.6	182.6	183.8	185.0	186.3	187.5	189.9	192.4	195.4	197.8
45°	174.1	174.7	174.7	175.9	177.7	178.4	180.2	182.6	185.0	187.5	189.9
47.5°	165.6	166.2	166.2	167.4	169.2	170.4	171.7	174.1	175.9	179.0	181.4
50°	155.8	156.4	157.0	158.3	160.7	161.9	163.1	165.0	167.4	169.2	171.7
52.5°	146.7	146.7	147.3	148.5	150.4	151.6	152.2	154.0	157.0	159.5	161.9
55°	136.4	137.0	137.6	138.8	140.6	141.8	142.4	144.3	146.1	147.9	150.4
57.5°	127.2	127.2	127.8	129.0	130.9	131.5	132.1	133.3	135.7	137.6	139.4
60°	116.3	116.9	117.5	118.7	119.9	121.1	121.1	123.0	124.8	126.6	127.8
62.5°	106.5	106.5	107.1	108.4	109.0	110.2	110.2	112.0	113.2	115.0	116.3
65°	95.0	95.6	96.2	96.8	98.0	98.0	98.6	99.8	101.0	102.3	104.1
67.5°	84.6	84.6	85.2	85.8	86.4	86.4	87.0	88.3	89.5	90.7	91.9
70°	73.0	73.7	73.7	73.7	74.3	74.9	75.5	76.1	77.3	77.9	79.1
72.5°	61.5	61.5	62.1	62.1	62.7	63.3	63.9	64.5	65.1	66.3	67.0
75°	49.9	49.9	50.5	50.5	51.1	51.1	51.1	52.3	53.0	54.2	54.8
77.5°	38.3	39.0	39.0	39.0	39.6	40.2	40.2	40.8	42.0	42.6	43.2
80°	28.0	28.0	28.0	28.0	28.6	29.2	29.8	29.8	31.0	32.3	32.9
82.5°	17.7	17.7	18.3	18.9	18.9	19.5	20.1	20.7	21.9	22.5	23.1
85°	9.1	9.1	9.7	10.3	11.0	11.6	11.6	12.2	13.4	14.6	15.2
87.5°	3.0	3.7	3.7	4.3	4.9	5.5	6.1	6.7	7.9	9.1	9.7
90°	0.6	0.6	0.6	1.2	1.8	1.8	2.4	3.0	3.7	4.3	5.5
92.5°	5.5	5.5	4.9	5.5	5.5	5.5	5.5	6.1	6.7	6.7	7.9
95°	16.4	15.8	15.8	15.8	15.8	15.8	15.8	16.4	17.0	17.0	17.7
97.5°	31.7	31.7	31.0	31.0	31.7	31.7	31.7	32.3	33.5	32.9	34.1
100°	49.3	49.3	48.7	49.3	49.9	50.5	51.7	51.7	53.0	53.0	54.8
102.5°	69.4	69.4	68.8	70.0	70.6	71.8	71.8	73.0	74.9	74.9	77.3
105°	89.5	90.1	90.1	91.3	92.5	93.7	93.7	95.6	98.0	98.0	101.0
107.5°	111.4	112.0	112.0	113.2	114.4	115.7	116.3	118.7	121.1	121.7	125.4
110°	132.7	133.3	133.9	135.1	136.4	138.2	139.4	141.8	144.9	146.1	149.1



TEST NUMBER: P395530

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	152.8	155.2	155.8	157.7	159.5	161.3	162.5	165.6	169.2	171.0	174.7
115°	175.9	177.1	177.7	179.6	182.0	183.8	185.0	188.1	191.7	194.2	198.4
117.5°	194.8	197.8	198.4	200.3	202.7	204.5	205.7	209.4	213.7	216.7	221.0
120°	214.9	217.3	219.7	221.0	222.8	225.2	226.4	230.1	235.0	238.0	242.9
122.5°	233.1	235.6	238.0	239.8	242.3	243.5	245.3	249.6	254.4	258.1	263.0
125°	251.4	254.4	256.3	258.1	261.1	262.4	264.2	268.4	273.3	277.6	282.4
127.5°	269.1	270.9	273.9	275.1	278.2	279.4	281.2	286.1	291.0	295.2	300.1
130°	285.5	287.9	290.4	291.0	294.6	296.4	298.3	302.5	308.0	312.3	317.1
132.5°	301.3	302.5	305.6	307.4	310.4	312.3	314.1	317.7	323.2	327.5	332.4
135°	315.9	317.1	320.8	322.6	324.4	326.3	328.7	332.4	337.8	342.1	347.0
137.5°	330.5	331.7	335.4	337.2	338.4	340.3	342.1	345.8	351.2	355.5	359.8
140°	343.9	345.1	347.6	350.0	351.2	352.4	354.3	357.9	362.8	367.1	371.3
142.5°	356.1	357.3	359.8	362.2	364.0	364.0	365.8	368.9	374.4	378.6	382.3
145°	367.7	368.3	370.7	373.1	375.6	375.6	376.2	379.2	384.1	389.0	392.6
147.5°	378.6	379.2	381.1	383.5	385.3	385.9	387.1	388.4	393.2	398.1	402.4
150°	388.4	389.0	390.2	392.6	393.8	395.1	396.3	396.9	400.5	404.8	409.7
152.5°	396.9	397.5	398.7	400.5	401.8	403.0	404.2	406.0	407.8	412.1	415.1
155°	405.4	406.0	406.6	408.4	409.7	410.3	410.9	413.3	415.1	417.6	420.6
157.5°	412.7	412.7	413.3	414.5	415.8	415.8	416.4	418.8	420.6	423.1	424.9
160°	418.8	418.8	419.4	420.6	420.6	421.2	421.8	423.7	424.9	427.9	430.4
162.5°	424.3	423.7	424.3	424.9	424.9	424.9	425.5	426.7	428.5	431.0	433.4
165°	428.5	428.5	428.5	429.1	429.1	428.5	428.5	429.8	431.0	432.8	434.6
167.5°	432.2	432.2	431.6	432.2	431.6	431.6	431.0	431.6	432.2	434.0	435.2
170°	435.2	434.6	434.6	434.6	434.0	433.4	433.4	433.4	433.4	434.6	435.8
172.5°	437.7	437.1	436.4	436.4	435.2	434.6	434.6	434.0	434.0	434.6	435.2
175°	438.3	437.7	437.1	437.1	435.8	435.2	434.6	434.6	434.0	434.6	435.2
177.5°	439.5	438.9	437.7	437.7	436.4	435.2	435.2	434.6	434.0	434.6	434.6
180°	433.4	433.4	433.4	433.4	433.4	433.4	433.4	433.4	433.4	433.4	433.4



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CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	242.9	242.9	242.9	242.9	242.9	242.9	242.9	242.9	242.9	242.9
2.5°	244.1	244.1	243.5	242.9	242.9	242.3	241.7	241.1	240.4	239.8
5°	244.1	243.5	242.9	242.9	242.3	242.3	242.3	241.7	241.1	241.1
7.5°	244.1	244.1	243.5	242.9	242.9	242.9	242.9	242.9	242.3	242.3
10°	244.1	243.5	243.5	243.5	242.9	243.5	243.5	242.9	242.9	242.3
12.5°	243.5	243.5	243.5	243.5	243.5	243.5	243.5	243.5	243.5	242.9
15°	242.3	242.9	242.9	243.5	243.5	243.5	244.1	244.1	243.5	243.5
17.5°	241.7	242.3	242.9	243.5	243.5	243.5	244.1	244.1	244.1	244.1
20°	240.4	241.1	241.7	242.3	242.3	242.9	242.9	243.5	243.5	243.5
22.5°	238.0	238.6	239.8	240.4	241.1	241.7	242.3	242.3	242.3	242.3
25°	235.6	236.8	237.4	238.6	239.2	239.8	240.4	240.4	240.4	241.1
27.5°	232.5	233.7	235.6	236.2	236.8	237.4	238.0	238.6	238.6	238.6
30°	228.9	230.7	231.9	233.1	233.7	234.4	235.0	235.0	235.6	235.6
32.5°	224.6	226.4	227.7	228.9	229.5	230.1	231.3	231.3	231.9	231.9
35°	219.1	221.0	222.8	224.0	224.6	225.2	226.4	227.1	227.1	227.1
37.5°	213.7	215.5	217.3	219.1	219.7	220.4	221.6	221.6	222.2	222.2
40°	207.0	208.8	210.6	212.4	212.4	213.7	214.3	214.9	215.5	215.5
42.5°	200.3	202.1	203.3	205.1	205.7	206.4	207.0	208.2	208.2	208.8
45°	192.4	194.2	195.4	197.2	197.8	198.4	199.7	200.3	200.9	200.9
47.5°	183.8	185.0	186.3	188.1	189.3	189.9	190.5	191.1	191.7	191.1
50°	174.1	175.3	177.1	179.0	179.6	180.2	181.4	181.4	182.0	182.0
52.5°	163.7	165.6	166.8	168.6	169.2	169.8	171.0	171.0	171.7	171.7
55°	152.2	153.4	154.6	157.7	158.3	158.9	160.1	160.1	160.7	161.3
57.5°	141.2	141.8	143.7	144.9	146.1	146.1	146.7	147.3	147.9	147.9
60°	129.7	130.3	131.5	133.3	133.3	133.9	135.1	135.1	135.7	135.7
62.5°	117.5	118.7	119.9	121.7	121.1	121.7	123.0	123.0	123.6	123.6
65°	105.3	105.9	107.1	108.4	109.0	109.0	109.6	110.2	110.8	110.8
67.5°	92.5	93.7	94.4	96.2	95.6	96.2	96.8	96.8	97.4	97.4
70°	80.4	81.0	82.2	82.8	82.8	83.4	84.0	84.0	84.0	84.6
72.5°	68.2	68.8	69.4	70.0	70.0	70.6	71.2	71.2	71.8	71.8
75°	55.4	56.6	57.2	58.4	57.8	58.4	59.7	59.7	59.7	59.7
77.5°	44.4	45.0	46.3	46.9	46.9	46.9	48.1	47.5	48.1	48.1
80°	33.5	34.1	35.3	35.9	35.9	36.5	37.1	37.1	37.1	37.7
82.5°	23.7	25.0	26.2	26.8	26.8	27.4	28.0	28.0	28.6	28.6
85°	16.4	17.7	18.9	18.9	19.5	20.1	20.7	20.7	20.7	20.7
87.5°	11.0	11.6	12.2	12.8	13.4	13.4	14.0	14.0	14.6	14.6
90°	6.1	6.7	7.3	7.9	7.9	8.5	8.5	9.1	9.1	9.1
92.5°	8.5	8.5	9.1	9.7	9.7	9.7	9.7	10.3	10.3	10.3
95°	18.3	18.9	18.9	20.1	20.1	20.1	20.7	20.7	20.7	20.7
97.5°	35.3	35.3	35.3	36.5	36.5	36.5	37.1	37.1	37.1	37.7
100°	55.4	56.0	56.0	57.8	57.2	58.4	58.4	58.4	58.4	59.0
102.5°	77.9	79.1	79.7	81.6	81.6	81.6	82.8	82.2	82.8	82.8
105°	102.3	103.5	104.1	105.9	107.1	107.1	108.4	107.7	108.4	109.0
107.5°	126.6	128.4	129.7	131.5	132.7	133.3	133.3	133.9	134.5	135.1
110°	151.6	153.4	156.4	158.3	158.9	160.1	160.7	161.3	161.9	163.1



TEST NUMBER: P395530

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	177.7	179.6	182.0	184.4	183.8	185.7	186.9	187.5	188.1	187.5
115°	201.5	203.9	206.4	208.8	208.8	210.0	212.4	213.1	213.1	214.3
117.5°	224.0	227.1	229.5	231.9	232.5	233.7	235.6	237.4	237.4	238.6
120°	245.9	249.6	252.0	254.4	255.7	256.3	258.1	260.5	260.5	260.5
122.5°	266.6	269.7	272.7	275.1	276.4	277.6	278.8	281.8	281.8	283.1
125°	286.1	289.7	292.8	295.2	296.4	297.7	300.1	301.9	302.5	302.5
127.5°	304.4	308.0	311.1	314.1	314.7	315.9	318.4	320.8	321.4	322.0
130°	321.4	325.1	328.1	331.1	332.4	333.0	336.0	337.8	339.1	339.7
132.5°	336.6	340.3	343.3	346.4	347.6	348.8	350.6	353.7	354.3	354.3
135°	350.6	354.3	357.3	361.0	361.6	362.8	365.2	367.1	368.3	368.9
137.5°	363.4	367.1	370.7	373.8	375.0	375.6	378.0	380.4	381.7	382.3
140°	375.0	378.6	382.3	384.7	385.3	387.1	389.0	391.4	392.6	393.2
142.5°	385.9	389.0	392.0	395.1	395.7	396.9	398.7	401.1	402.4	403.0
145°	395.7	398.7	401.1	403.6	404.2	405.4	407.2	409.1	410.3	410.9
147.5°	404.8	407.2	409.7	411.5	412.1	413.3	414.5	415.8	417.0	417.6
150°	412.7	413.9	416.4	417.6	418.2	419.4	420.6	421.8	423.1	423.7
152.5°	418.8	420.6	421.8	423.7	424.3	424.9	426.1	427.3	428.5	428.5
155°	423.7	425.5	426.7	428.5	429.1	429.8	431.0	431.6	432.8	432.8
157.5°	427.3	429.1	430.4	431.6	432.2	432.8	433.4	434.6	435.8	435.8
160°	431.6	432.2	432.8	434.0	434.0	434.6	435.2	435.8	437.1	437.1
162.5°	435.2	435.8	434.6	435.2	434.6	435.2	435.8	436.4	437.1	437.1
165°	436.4	437.7	437.1	437.7	437.7	437.7	437.7	438.3	438.3	438.3
167.5°	436.4	437.7	437.1	437.1	437.7	437.7	438.3	438.9	438.9	438.9
170°	436.4	437.1	436.4	435.8	436.4	436.4	436.4	437.1	437.1	437.1
172.5°	435.8	436.4	435.2	434.6	434.6	434.6	434.0	434.0	433.4	433.4
175°	435.2	435.2	434.0	433.4	433.4	433.4	432.2	431.6	431.0	430.4
177.5°	434.6	434.6	432.8	432.2	432.2	431.6	431.6	430.4	430.4	429.8
180°	433.4	433.4	433.4	433.4	433.4	433.4	433.4	433.4	433.4	433.4

(END OF REPORT)