

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: P395529

Luminaire Tested: **I3-FL-30L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395529
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 (2700K)
Description: CORELITE I3, FROSTED TOP COVER
3000 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: 2147.3 lumens
Efficiency: N/A
Efficacy: 103.7 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

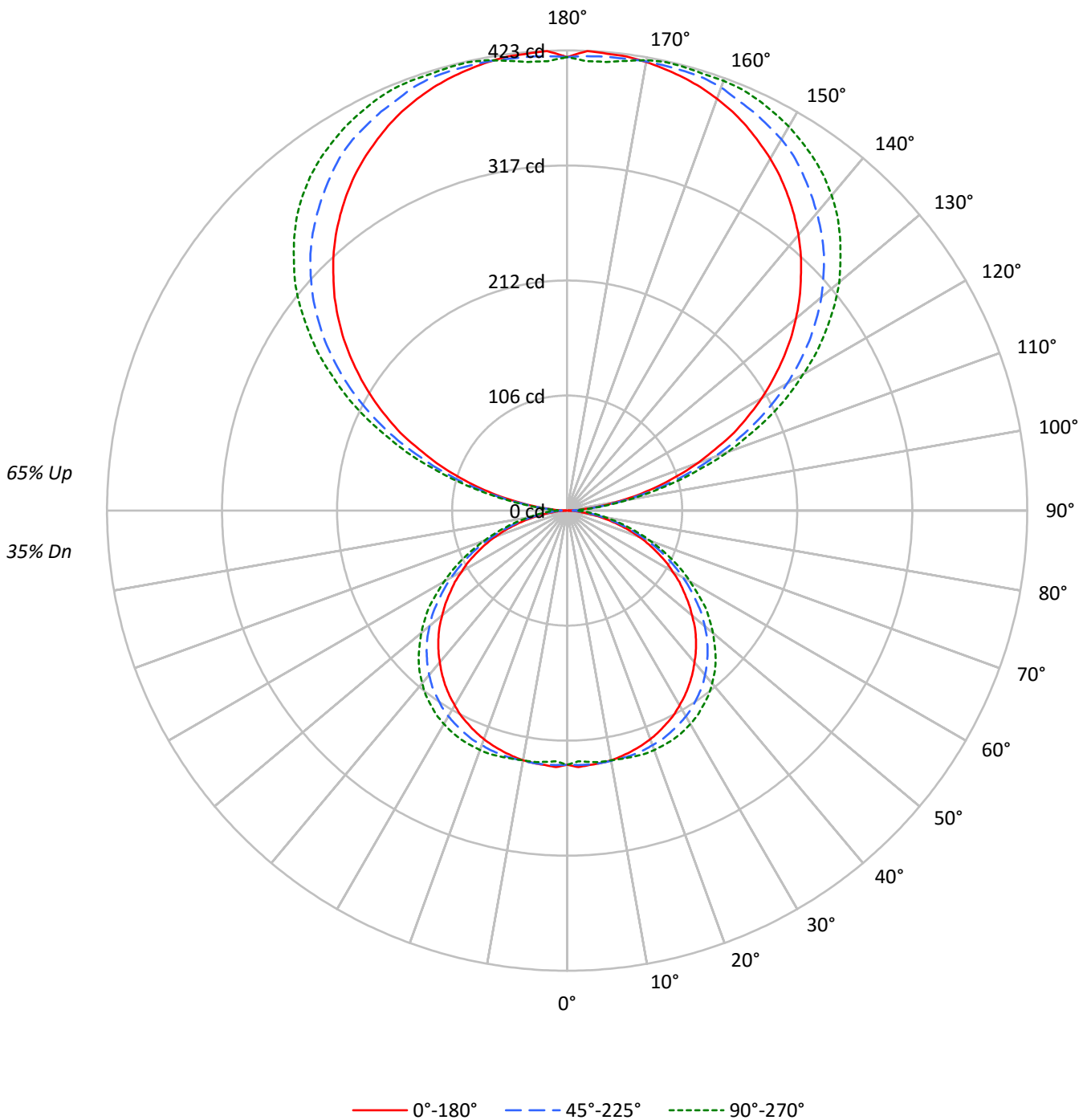
Input Watts (W): 20.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (2700K)

Luminous Intensity Polar Plot





TEST NUMBER: P395529

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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°	1284	1284	1284
5°	1291	1263	1243
10°	1291	1245	1229
15°	1288	1235	1223
20°	1289	1224	1222
25°	1285	1214	1217
30°	1280	1202	1206
35°	1274	1182	1188
40°	1262	1157	1162
45°	1249	1122	1126
50°	1220	1072	1072
55°	1185	1004	1008
60°	1145	926	910
65°	1088	829	808
70°	1012	707	683
75°	880	562	543
80°	686	399	398
85°	373	228	261



TEST NUMBER: P395529

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (2700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.3	1.0
10°-20°	65.5	3.1
20°-30°	103.3	4.8
30°-40°	129.9	6.0
40°-50°	139.6	6.5
50°-60°	128.4	6.0
60°-70°	98.4	4.6
70°-80°	56.0	2.6
80°-90°	17.5	0.8
90°-100°	23.4	1.1
100°-110°	101.8	4.7
110°-120°	186.3	8.7
120°-130°	240.1	11.2
130°-140°	255.5	11.9
140°-150°	235.1	10.9
150°-160°	186.2	8.7
160°-170°	117.9	5.5
170°-180°	39.9	1.9
0°-30°	191.1	8.9
0°-40°	321.0	14.9
0°-60°	589.0	27.4
0°-90°	761.0	35.4
90°-120°	311.5	14.5
90°-150°	1042.2	48.5
90°-180°	1386.0	64.5
0°-180°	2147.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	234	234	234	234	234	
5°	235	232	234	233	232	22
15°	229	228	232	234	234	65
25°	216	217	225	230	232	100
35°	196	198	209	216	218	122
45°	168	172	183	190	193	129
55°	131	136	145	152	155	118
65°	91	94	100	105	107	91
75°	48	49	53	56	57	51
85°	9	11	15	19	20	11
90°	1	2	5	8	9	1
95°	16	15	17	19	20	20
105°	86	90	97	103	105	92
115°	169	177	191	201	206	166
125°	242	252	272	285	291	216
135°	304	314	334	348	355	235
145°	354	361	378	389	395	221
155°	390	395	405	413	416	180
165°	412	412	418	421	422	116
175°	422	419	419	417	414	40
180°	417	417	417	417	417	



TEST NUMBER: P395529

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	233.6	233.6	233.6	233.6	233.6	233.6	233.6	233.6	233.6	233.6	233.6
2.5°	236.0	235.4	234.8	233.6	233.6	233.1	233.1	233.1	233.1	233.6	234.2
5°	234.8	234.8	234.2	233.1	233.1	232.5	232.5	233.1	232.5	233.1	234.2
7.5°	234.2	234.2	233.6	232.5	232.5	232.5	232.5	232.5	232.5	233.1	234.2
10°	233.1	233.1	231.9	231.3	231.3	231.3	231.3	231.9	231.9	232.5	233.6
12.5°	231.3	230.7	230.1	229.5	229.5	229.5	230.1	230.7	230.7	231.9	233.1
15°	229.0	229.0	228.4	227.8	227.8	227.8	228.4	229.0	229.5	230.7	232.5
17.5°	226.6	226.6	226.0	226.0	226.0	226.0	226.6	227.2	228.4	229.5	231.3
20°	223.7	223.7	223.1	223.1	223.1	223.7	223.7	224.9	226.0	227.8	229.5
22.5°	220.2	220.2	220.2	219.6	220.2	220.8	221.3	222.5	223.7	225.4	227.8
25°	216.1	216.1	216.1	216.1	216.7	216.7	217.8	219.0	220.2	222.5	224.9
27.5°	212.0	212.0	212.0	211.4	212.6	213.1	213.7	215.5	216.7	219.6	221.9
30°	206.7	206.7	206.7	207.3	207.9	208.5	209.6	211.4	212.6	215.5	218.4
32.5°	201.4	201.4	201.4	201.4	203.2	203.8	204.4	206.1	208.5	211.4	214.3
35°	195.6	195.6	195.6	196.2	197.3	197.9	199.1	200.8	203.2	206.1	209.0
37.5°	189.1	189.7	189.7	190.3	191.5	192.6	193.8	195.6	197.9	200.8	203.8
40°	182.1	182.7	182.7	183.3	184.5	185.6	186.8	189.1	191.5	194.4	197.3
42.5°	175.1	175.7	175.7	176.8	178.0	179.2	180.4	182.7	185.0	188.0	190.3
45°	167.5	168.1	168.1	169.2	171.0	171.6	173.3	175.7	178.0	180.4	182.7
47.5°	159.3	159.9	159.9	161.0	162.8	164.0	165.1	167.5	169.2	172.2	174.5
50°	149.9	150.5	151.1	152.2	154.6	155.8	156.9	158.7	161.0	162.8	165.1
52.5°	141.1	141.1	141.7	142.9	144.6	145.8	146.4	148.1	151.1	153.4	155.8
55°	131.2	131.8	132.3	133.5	135.3	136.4	137.0	138.8	140.5	142.3	144.6
57.5°	122.4	122.4	123.0	124.1	125.9	126.5	127.1	128.2	130.6	132.3	134.1
60°	111.8	112.4	113.0	114.2	115.4	116.5	116.5	118.3	120.0	121.8	123.0
62.5°	102.5	102.5	103.1	104.2	104.8	106.0	106.0	107.7	108.9	110.7	111.8
65°	91.3	91.9	92.5	93.1	94.3	94.3	94.9	96.0	97.2	98.4	100.1
67.5°	81.4	81.4	82.0	82.6	83.1	83.1	83.7	84.9	86.1	87.2	88.4
70°	70.3	70.9	70.9	70.9	71.4	72.0	72.6	73.2	74.4	75.0	76.1
72.5°	59.1	59.1	59.7	59.7	60.3	60.9	61.5	62.1	62.7	63.8	64.4
75°	48.0	48.0	48.6	48.6	49.2	49.2	49.2	50.4	50.9	52.1	52.7
77.5°	36.9	37.5	37.5	37.5	38.1	38.6	38.6	39.2	40.4	41.0	41.6
80°	26.9	26.9	26.9	26.9	27.5	28.1	28.7	28.7	29.9	31.0	31.6
82.5°	17.0	17.0	17.6	18.2	18.2	18.7	19.3	19.9	21.1	21.7	22.3
85°	8.8	8.8	9.4	10.0	10.5	11.1	11.1	11.7	12.9	14.1	14.6
87.5°	2.9	3.5	3.5	4.1	4.7	5.3	5.9	6.4	7.6	8.8	9.4
90°	0.6	0.6	0.6	1.2	1.8	1.8	2.3	2.9	3.5	4.1	5.3
92.5°	5.3	5.3	4.7	5.3	5.3	5.3	5.3	5.9	6.4	6.4	7.6
95°	15.8	15.2	15.2	15.2	15.2	15.2	15.2	15.8	16.4	16.4	17.0
97.5°	30.4	30.4	29.9	29.9	30.4	30.4	30.4	31.0	32.2	31.6	32.8
100°	47.4	47.4	46.8	47.4	48.0	48.6	49.8	49.8	50.9	50.9	52.7
102.5°	66.8	66.8	66.2	67.3	67.9	69.1	69.1	70.3	72.0	72.0	74.4
105°	86.1	86.7	86.7	87.8	89.0	90.2	90.2	91.9	94.3	94.3	97.2
107.5°	107.2	107.7	107.7	108.9	110.1	111.3	111.8	114.2	116.5	117.1	120.6
110°	127.7	128.2	128.8	130.0	131.2	132.9	134.1	136.4	139.4	140.5	143.5



TEST NUMBER: P395529

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	147.0	149.3	149.9	151.7	153.4	155.2	156.3	159.3	162.8	164.5	168.1
115°	169.2	170.4	171.0	172.7	175.1	176.8	178.0	180.9	184.5	186.8	190.9
117.5°	187.4	190.3	190.9	192.6	195.0	196.7	197.9	201.4	205.5	208.5	212.6
120°	206.7	209.0	211.4	212.6	214.3	216.7	217.8	221.3	226.0	229.0	233.6
122.5°	224.3	226.6	229.0	230.7	233.1	234.2	236.0	240.1	244.8	248.3	253.0
125°	241.8	244.8	246.5	248.3	251.2	252.4	254.1	258.2	262.9	267.0	271.7
127.5°	258.8	260.6	263.5	264.7	267.6	268.8	270.5	275.2	279.9	284.0	288.7
130°	274.6	277.0	279.3	279.9	283.4	285.2	286.9	291.0	296.3	300.4	305.1
132.5°	289.9	291.0	294.0	295.7	298.6	300.4	302.1	305.7	310.9	315.0	319.7
135°	303.9	305.1	308.6	310.3	312.1	313.9	316.2	319.7	325.0	329.1	333.8
137.5°	318.0	319.1	322.6	324.4	325.6	327.3	329.1	332.6	337.9	342.0	346.1
140°	330.8	332.0	334.4	336.7	337.9	339.0	340.8	344.3	349.0	353.1	357.2
142.5°	342.6	343.7	346.1	348.4	350.2	350.2	351.9	354.9	360.1	364.2	367.7
145°	353.7	354.3	356.6	358.9	361.3	361.3	361.9	364.8	369.5	374.2	377.7
147.5°	364.2	364.8	366.6	368.9	370.7	371.2	372.4	373.6	378.3	383.0	387.1
150°	373.6	374.2	375.3	377.7	378.9	380.0	381.2	381.8	385.3	389.4	394.1
152.5°	381.8	382.4	383.5	385.3	386.5	387.6	388.8	390.6	392.3	396.4	399.4
155°	390.0	390.6	391.2	392.9	394.1	394.7	395.3	397.6	399.4	401.7	404.6
157.5°	397.0	397.0	397.6	398.8	399.9	399.9	400.5	402.9	404.6	407.0	408.7
160°	402.9	402.9	403.5	404.6	404.6	405.2	405.8	407.6	408.7	411.6	414.0
162.5°	408.1	407.6	408.1	408.7	408.7	408.7	409.3	410.5	412.2	414.6	416.9
165°	412.2	412.2	412.2	412.8	412.8	412.2	412.2	413.4	414.6	416.3	418.1
167.5°	415.7	415.7	415.2	415.7	415.2	415.2	414.6	415.2	415.7	417.5	418.7
170°	418.7	418.1	418.1	418.1	417.5	416.9	416.9	416.9	416.9	418.1	419.3
172.5°	421.0	420.4	419.8	419.8	418.7	418.1	418.1	417.5	417.5	418.1	418.7
175°	421.6	421.0	420.4	420.4	419.3	418.7	418.1	418.1	417.5	418.1	418.7
177.5°	422.8	422.2	421.0	421.0	419.8	418.7	418.7	418.1	417.5	418.1	418.1
180°	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	233.6	233.6	233.6	233.6	233.6	233.6	233.6	233.6	233.6	233.6
2.5°	234.8	234.8	234.2	233.6	233.6	233.1	232.5	231.9	231.3	230.7
5°	234.8	234.2	233.6	233.6	233.1	233.1	233.1	232.5	231.9	231.9
7.5°	234.8	234.8	234.2	233.6	233.6	233.6	233.6	233.6	233.1	233.1
10°	234.8	234.2	234.2	234.2	233.6	234.2	234.2	233.6	233.6	233.1
12.5°	234.2	234.2	234.2	234.2	234.2	234.2	234.2	234.2	234.2	233.6
15°	233.1	233.6	233.6	234.2	234.2	234.2	234.8	234.8	234.2	234.2
17.5°	232.5	233.1	233.6	234.2	234.2	234.2	234.8	234.8	234.8	234.8
20°	231.3	231.9	232.5	233.1	233.1	233.6	233.6	234.2	234.2	234.2
22.5°	229.0	229.5	230.7	231.3	231.9	232.5	233.1	233.1	233.1	233.1
25°	226.6	227.8	228.4	229.5	230.1	230.7	231.3	231.3	231.3	231.9
27.5°	223.7	224.9	226.6	227.2	227.8	228.4	229.0	229.5	229.5	229.5
30°	220.2	221.9	223.1	224.3	224.9	225.4	226.0	226.0	226.6	226.6
32.5°	216.1	217.8	219.0	220.2	220.8	221.3	222.5	222.5	223.1	223.1
35°	210.8	212.6	214.3	215.5	216.1	216.7	217.8	218.4	218.4	218.4
37.5°	205.5	207.3	209.0	210.8	211.4	212.0	213.1	213.1	213.7	213.7
40°	199.1	200.8	202.6	204.4	204.4	205.5	206.1	206.7	207.3	207.3
42.5°	192.6	194.4	195.6	197.3	197.9	198.5	199.1	200.3	200.3	200.8
45°	185.0	186.8	188.0	189.7	190.3	190.9	192.1	192.6	193.2	193.2
47.5°	176.8	178.0	179.2	180.9	182.1	182.7	183.3	183.9	184.5	183.9
50°	167.5	168.6	170.4	172.2	172.7	173.3	174.5	174.5	175.1	175.1
52.5°	157.5	159.3	160.4	162.2	162.8	163.4	164.5	164.5	165.1	165.1
55°	146.4	147.6	148.7	151.7	152.2	152.8	154.0	154.0	154.6	155.2
57.5°	135.9	136.4	138.2	139.4	140.5	140.5	141.1	141.7	142.3	142.3
60°	124.7	125.3	126.5	128.2	128.2	128.8	130.0	130.0	130.6	130.6
62.5°	113.0	114.2	115.4	117.1	116.5	117.1	118.3	118.3	118.9	118.9
65°	101.3	101.9	103.1	104.2	104.8	104.8	105.4	106.0	106.6	106.6
67.5°	89.0	90.2	90.8	92.5	91.9	92.5	93.1	93.1	93.7	93.7
70°	77.3	77.9	79.1	79.6	79.6	80.2	80.8	80.8	80.8	81.4
72.5°	65.6	66.2	66.8	67.3	67.3	67.9	68.5	68.5	69.1	69.1
75°	53.3	54.5	55.0	56.2	55.6	56.2	57.4	57.4	57.4	57.4
77.5°	42.7	43.3	44.5	45.1	45.1	45.1	46.3	45.7	46.3	46.3
80°	32.2	32.8	34.0	34.5	34.5	35.1	35.7	35.7	35.7	36.3
82.5°	22.8	24.0	25.2	25.8	25.8	26.4	26.9	26.9	27.5	27.5
85°	15.8	17.0	18.2	18.2	18.7	19.3	19.9	19.9	19.9	19.9
87.5°	10.5	11.1	11.7	12.3	12.9	12.9	13.5	13.5	14.1	14.1
90°	5.9	6.4	7.0	7.6	7.6	8.2	8.2	8.8	8.8	8.8
92.5°	8.2	8.2	8.8	9.4	9.4	9.4	9.4	10.0	10.0	10.0
95°	17.6	18.2	18.2	19.3	19.3	19.3	19.9	19.9	19.9	19.9
97.5°	34.0	34.0	34.0	35.1	35.1	35.1	35.7	35.7	35.7	36.3
100°	53.3	53.9	53.9	55.6	55.0	56.2	56.2	56.2	56.2	56.8
102.5°	75.0	76.1	76.7	78.5	78.5	78.5	79.6	79.1	79.6	79.6
105°	98.4	99.5	100.1	101.9	103.1	103.1	104.2	103.6	104.2	104.8
107.5°	121.8	123.6	124.7	126.5	127.7	128.2	128.2	128.8	129.4	130.0
110°	145.8	147.6	150.5	152.2	152.8	154.0	154.6	155.2	155.8	156.9



TEST NUMBER: P395529

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	171.0	172.7	175.1	177.4	176.8	178.6	179.8	180.4	180.9	180.4
115°	193.8	196.2	198.5	200.8	200.8	202.0	204.4	204.9	204.9	206.1
117.5°	215.5	218.4	220.8	223.1	223.7	224.9	226.6	228.4	228.4	229.5
120°	236.6	240.1	242.4	244.8	245.9	246.5	248.3	250.6	250.6	250.6
122.5°	256.5	259.4	262.3	264.7	265.8	267.0	268.2	271.1	271.1	272.3
125°	275.2	278.7	281.7	284.0	285.2	286.3	288.7	290.4	291.0	291.0
127.5°	292.8	296.3	299.2	302.1	302.7	303.9	306.2	308.6	309.2	309.8
130°	309.2	312.7	315.6	318.5	319.7	320.3	323.2	325.0	326.2	326.7
132.5°	323.8	327.3	330.3	333.2	334.4	335.5	337.3	340.2	340.8	340.8
135°	337.3	340.8	343.7	347.2	347.8	349.0	351.3	353.1	354.3	354.9
137.5°	349.6	353.1	356.6	359.5	360.7	361.3	363.6	366.0	367.1	367.7
140°	360.7	364.2	367.7	370.1	370.7	372.4	374.2	376.5	377.7	378.3
142.5°	371.2	374.2	377.1	380.0	380.6	381.8	383.5	385.9	387.1	387.6
145°	380.6	383.5	385.9	388.2	388.8	390.0	391.7	393.5	394.7	395.3
147.5°	389.4	391.7	394.1	395.8	396.4	397.6	398.8	399.9	401.1	401.7
150°	397.0	398.2	400.5	401.7	402.3	403.5	404.6	405.8	407.0	407.6
152.5°	402.9	404.6	405.8	407.6	408.1	408.7	409.9	411.1	412.2	412.2
155°	407.6	409.3	410.5	412.2	412.8	413.4	414.6	415.2	416.3	416.3
157.5°	411.1	412.8	414.0	415.2	415.7	416.3	416.9	418.1	419.3	419.3
160°	415.2	415.7	416.3	417.5	417.5	418.1	418.7	419.3	420.4	420.4
162.5°	418.7	419.3	418.1	418.7	418.1	418.7	419.3	419.8	420.4	420.4
165°	419.8	421.0	420.4	421.0	421.0	421.0	421.0	421.6	421.6	421.6
167.5°	419.8	421.0	420.4	420.4	421.0	421.0	421.6	422.2	422.2	422.2
170°	419.8	420.4	419.8	419.3	419.8	419.8	419.8	420.4	420.4	420.4
172.5°	419.3	419.8	418.7	418.1	418.1	418.1	417.5	417.5	416.9	416.9
175°	418.7	418.7	417.5	416.9	416.9	416.9	415.7	415.2	414.6	414.0
177.5°	418.1	418.1	416.3	415.7	415.7	415.2	415.2	414.0	414.0	413.4
180°	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9

(END OF REPORT)