

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: P395538

Luminaire Tested: **I3-FL-30L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395538
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-30L93050-1D-UNV-W2A-W-4 (3500K)
Description: CORELITE I3, FROSTED TOP COVER
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2328.1 lumens
Efficiency: N/A
Efficacy: 110.3 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

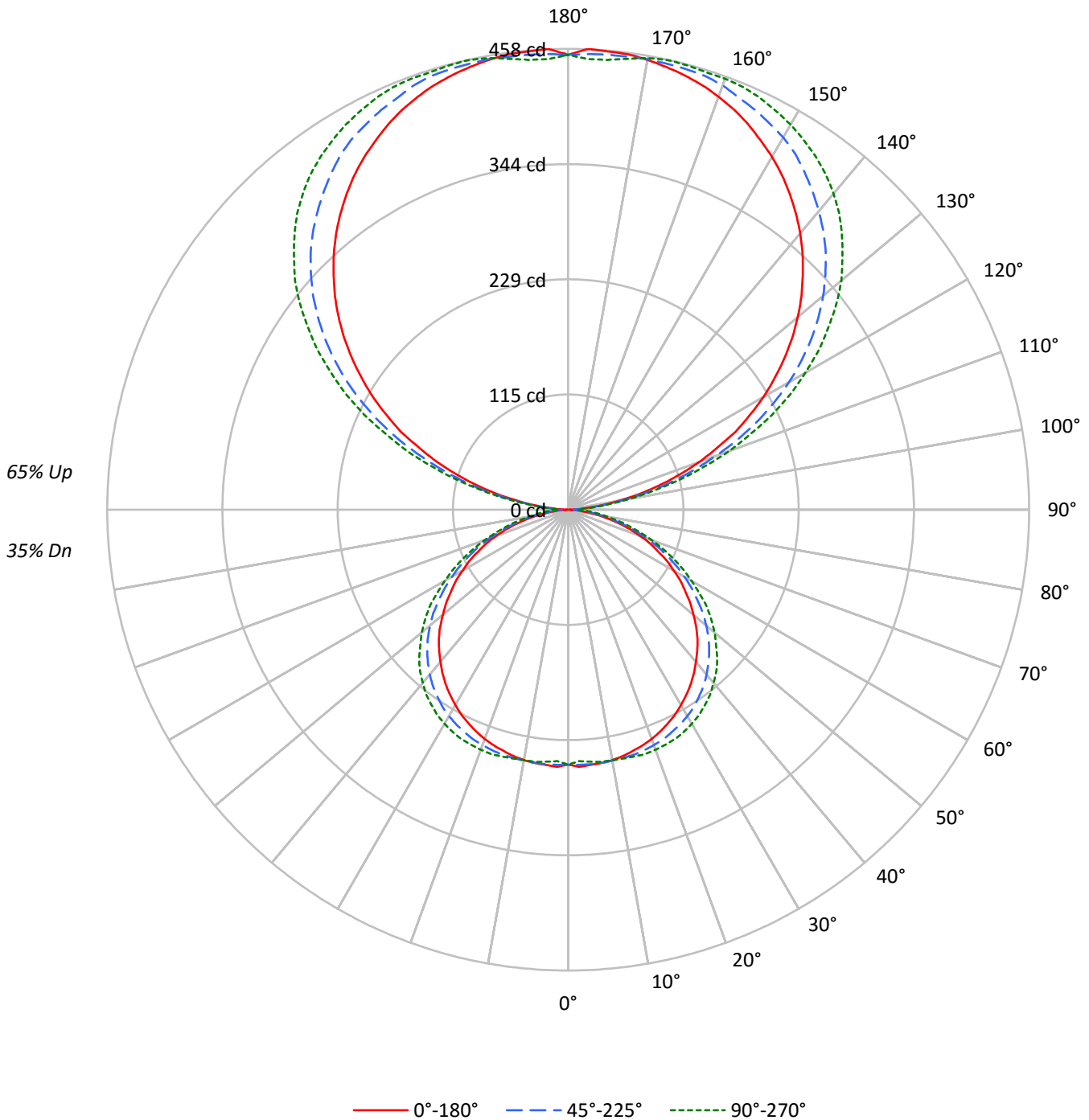
Input Watts (W): 21.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395538

CATALOG NUMBER: I3-FL-30L93050-1D-UNV-W2A-W-4 (3500K)

Luminous Intensity Polar Plot





TEST NUMBER: P395538

CATALOG NUMBER: I3-FL-30L93050-1D-UNV-W2A-W-4 (3500K)

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°	1392	1392	1392
5°	1400	1369	1348
10°	1400	1350	1332
15°	1396	1339	1326
20°	1397	1327	1324
25°	1393	1316	1320
30°	1388	1303	1308
35°	1381	1282	1288
40°	1368	1255	1260
45°	1354	1217	1221
50°	1322	1162	1162
55°	1285	1089	1092
60°	1242	1003	987
65°	1180	900	876
70°	1096	766	740
75°	955	609	589
80°	745	433	431
85°	403	248	283



TEST NUMBER: P395538

CATALOG NUMBER: I3-FL-30L93050-1D-UNV-W2A-W-4 (3500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.2	1.0
10°-20°	71.0	3.1
20°-30°	112.0	4.8
30°-40°	140.8	6.0
40°-50°	151.4	6.5
50°-60°	139.3	6.0
60°-70°	106.7	4.6
70°-80°	60.7	2.6
80°-90°	19.0	0.8
90°-100°	25.4	1.1
100°-110°	110.3	4.7
110°-120°	202.0	8.7
120°-130°	260.4	11.2
130°-140°	277.0	11.9
140°-150°	254.9	10.9
150°-160°	201.9	8.7
160°-170°	127.9	5.5
170°-180°	43.3	1.9
0°-30°	207.2	8.9
0°-40°	348.0	14.9
0°-60°	638.6	27.4
0°-90°	825.0	35.4
90°-120°	337.7	14.5
90°-150°	1130.0	48.5
90°-180°	1503.0	64.6
0°-180°	2328.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	253	253	253	253	253	
5°	255	252	254	253	251	24
15°	248	247	252	254	254	70
25°	234	235	244	250	251	108
35°	212	215	227	234	237	133
45°	182	186	198	206	210	140
55°	142	148	157	165	168	127
65°	99	102	109	114	116	98
75°	52	53	57	60	62	55
85°	10	12	16	20	22	12
90°	1	2	6	8	10	1
95°	17	16	18	21	22	21
105°	93	98	105	112	114	99
115°	184	192	207	218	224	180
125°	262	274	295	309	316	234
135°	330	340	362	377	385	254
145°	384	392	410	422	428	240
155°	423	428	439	448	451	195
165°	447	447	453	456	457	126
175°	457	454	454	452	449	44
180°	452	452	452	452	452	



TEST NUMBER: P395538

CATALOG NUMBER: I3-FL-30L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	253.3	253.3	253.3	253.3	253.3	253.3	253.3	253.3	253.3	253.3	253.3
2.5°	255.8	255.2	254.6	253.3	253.3	252.7	252.7	252.7	252.7	253.3	253.9
5°	254.6	254.6	253.9	252.7	252.7	252.0	252.0	252.7	252.0	252.7	253.9
7.5°	253.9	253.9	253.3	252.0	252.0	252.0	252.0	252.0	252.0	252.7	253.9
10°	252.7	252.7	251.4	250.8	250.8	250.8	250.8	251.4	251.4	252.0	253.3
12.5°	250.8	250.1	249.5	248.9	248.9	248.9	249.5	250.1	250.1	251.4	252.7
15°	248.2	248.2	247.6	247.0	247.0	247.0	247.6	248.2	248.9	250.1	252.0
17.5°	245.7	245.7	245.1	245.1	245.1	245.1	245.7	246.3	247.6	248.9	250.8
20°	242.5	242.5	241.9	241.9	241.9	242.5	242.5	243.8	245.1	247.0	248.9
22.5°	238.7	238.7	238.7	238.1	238.7	239.3	240.0	241.2	242.5	244.4	247.0
25°	234.3	234.3	234.3	234.3	234.9	234.9	236.2	237.4	238.7	241.2	243.8
27.5°	229.8	229.8	229.8	229.2	230.5	231.1	231.7	233.6	234.9	238.1	240.6
30°	224.1	224.1	224.1	224.7	225.4	226.0	227.3	229.2	230.5	233.6	236.8
32.5°	218.4	218.4	218.4	218.4	220.3	220.9	221.6	223.5	226.0	229.2	232.4
35°	212.0	212.0	212.0	212.7	213.9	214.6	215.9	217.8	220.3	223.5	226.6
37.5°	205.1	205.7	205.7	206.3	207.6	208.9	210.1	212.0	214.6	217.8	220.9
40°	197.4	198.1	198.1	198.7	200.0	201.2	202.5	205.1	207.6	210.8	213.9
42.5°	189.8	190.5	190.5	191.7	193.0	194.3	195.5	198.1	200.6	203.8	206.3
45°	181.6	182.2	182.2	183.5	185.4	186.0	187.9	190.5	193.0	195.5	198.1
47.5°	172.7	173.3	173.3	174.6	176.5	177.8	179.0	181.6	183.5	186.6	189.2
50°	162.5	163.2	163.8	165.1	167.6	168.9	170.1	172.0	174.6	176.5	179.0
52.5°	153.0	153.0	153.6	154.9	156.8	158.1	158.7	160.6	163.8	166.3	168.9
55°	142.2	142.8	143.5	144.7	146.7	147.9	148.6	150.5	152.4	154.3	156.8
57.5°	132.7	132.7	133.3	134.6	136.5	137.1	137.8	139.0	141.6	143.5	145.4
60°	121.3	121.9	122.5	123.8	125.1	126.3	126.3	128.2	130.1	132.1	133.3
62.5°	111.1	111.1	111.7	113.0	113.6	114.9	114.9	116.8	118.1	120.0	121.3
65°	99.0	99.7	100.3	100.9	102.2	102.2	102.8	104.1	105.4	106.7	108.6
67.5°	88.2	88.2	88.9	89.5	90.1	90.1	90.8	92.1	93.3	94.6	95.9
70°	76.2	76.8	76.8	76.8	77.5	78.1	78.7	79.4	80.6	81.3	82.5
72.5°	64.1	64.1	64.8	64.8	65.4	66.0	66.7	67.3	67.9	69.2	69.8
75°	52.1	52.1	52.7	52.7	53.3	53.3	53.3	54.6	55.2	56.5	57.1
77.5°	40.0	40.6	40.6	40.6	41.3	41.9	41.9	42.5	43.8	44.4	45.1
80°	29.2	29.2	29.2	29.2	29.8	30.5	31.1	31.1	32.4	33.6	34.3
82.5°	18.4	18.4	19.0	19.7	19.7	20.3	21.0	21.6	22.9	23.5	24.1
85°	9.5	9.5	10.2	10.8	11.4	12.1	12.1	12.7	14.0	15.2	15.9
87.5°	3.2	3.8	3.8	4.4	5.1	5.7	6.3	7.0	8.3	9.5	10.2
90°	0.6	0.6	0.6	1.3	1.9	1.9	2.5	3.2	3.8	4.4	5.7
92.5°	5.7	5.7	5.1	5.7	5.7	5.7	5.7	6.3	7.0	7.0	8.3
95°	17.1	16.5	16.5	16.5	16.5	16.5	16.5	17.1	17.8	17.8	18.4
97.5°	33.0	33.0	32.4	32.4	33.0	33.0	33.0	33.6	34.9	34.3	35.6
100°	51.4	51.4	50.8	51.4	52.1	52.7	54.0	54.0	55.2	55.2	57.1
102.5°	72.4	72.4	71.7	73.0	73.6	74.9	74.9	76.2	78.1	78.1	80.6
105°	93.3	94.0	94.0	95.2	96.5	97.8	97.8	99.7	102.2	102.2	105.4
107.5°	116.2	116.8	116.8	118.1	119.4	120.6	121.3	123.8	126.3	127.0	130.8
110°	138.4	139.0	139.7	140.9	142.2	144.1	145.4	147.9	151.1	152.4	155.5



TEST NUMBER: P395538

CATALOG NUMBER: I3-FL-30L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	159.3	161.9	162.5	164.4	166.3	168.2	169.5	172.7	176.5	178.4	182.2
115°	183.5	184.7	185.4	187.3	189.8	191.7	193.0	196.2	200.0	202.5	207.0
117.5°	203.2	206.3	207.0	208.9	211.4	213.3	214.6	218.4	222.8	226.0	230.5
120°	224.1	226.6	229.2	230.5	232.4	234.9	236.2	240.0	245.1	248.2	253.3
122.5°	243.1	245.7	248.2	250.1	252.7	253.9	255.8	260.3	265.4	269.2	274.3
125°	262.2	265.4	267.3	269.2	272.4	273.6	275.5	280.0	285.1	289.5	294.6
127.5°	280.6	282.5	285.7	287.0	290.1	291.4	293.3	298.4	303.5	307.9	313.0
130°	297.7	300.3	302.8	303.5	307.3	309.2	311.1	315.5	321.2	325.7	330.8
132.5°	314.3	315.5	318.7	320.6	323.8	325.7	327.6	331.4	337.1	341.6	346.6
135°	329.5	330.8	334.6	336.5	338.4	340.3	342.8	346.6	352.3	356.8	361.9
137.5°	344.7	346.0	349.8	351.7	353.0	354.9	356.8	360.6	366.3	370.8	375.2
140°	358.7	360.0	362.5	365.0	366.3	367.6	369.5	373.3	378.4	382.8	387.3
142.5°	371.4	372.7	375.2	377.7	379.6	379.6	381.5	384.7	390.4	394.9	398.7
145°	383.5	384.1	386.6	389.2	391.7	391.7	392.3	395.5	400.6	405.7	409.5
147.5°	394.9	395.5	397.4	400.0	401.9	402.5	403.8	405.0	410.1	415.2	419.6
150°	405.0	405.7	406.9	409.5	410.8	412.0	413.3	413.9	417.7	422.2	427.3
152.5°	413.9	414.6	415.8	417.7	419.0	420.3	421.5	423.4	425.4	429.8	433.0
155°	422.8	423.4	424.1	426.0	427.3	427.9	428.5	431.1	433.0	435.5	438.7
157.5°	430.4	430.4	431.1	432.3	433.6	433.6	434.2	436.8	438.7	441.2	443.1
160°	436.8	436.8	437.4	438.7	438.7	439.3	440.0	441.9	443.1	446.3	448.8
162.5°	442.5	441.9	442.5	443.1	443.1	443.1	443.8	445.0	446.9	449.5	452.0
165°	446.9	446.9	446.9	447.6	447.6	446.9	446.9	448.2	449.5	451.4	453.3
167.5°	450.7	450.7	450.1	450.7	450.1	450.1	449.5	450.1	450.7	452.7	453.9
170°	453.9	453.3	453.3	453.3	452.7	452.0	452.0	452.0	452.0	453.3	454.6
172.5°	456.5	455.8	455.2	455.2	453.9	453.3	453.3	452.7	452.7	453.3	453.9
175°	457.1	456.5	455.8	455.8	454.6	453.9	453.3	453.3	452.7	453.3	453.9
177.5°	458.4	457.7	456.5	456.5	455.2	453.9	453.9	453.3	452.7	453.3	453.3
180°	452.0	452.0	452.0	452.0	452.0	452.0	452.0	452.0	452.0	452.0	452.0



TEST NUMBER: P395538

CATALOG NUMBER: I3-FL-30L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	253.3	253.3	253.3	253.3	253.3	253.3	253.3	253.3	253.3	253.3
2.5°	254.6	254.6	253.9	253.3	253.3	252.7	252.0	251.4	250.8	250.1
5°	254.6	253.9	253.3	253.3	252.7	252.7	252.7	252.0	251.4	251.4
7.5°	254.6	254.6	253.9	253.3	253.3	253.3	253.3	253.3	252.7	252.7
10°	254.6	253.9	253.9	253.9	253.3	253.9	253.9	253.3	253.3	252.7
12.5°	253.9	253.9	253.9	253.9	253.9	253.9	253.9	253.9	253.9	253.3
15°	252.7	253.3	253.3	253.9	253.9	253.9	254.6	254.6	253.9	253.9
17.5°	252.0	252.7	253.3	253.9	253.9	253.9	254.6	254.6	254.6	254.6
20°	250.8	251.4	252.0	252.7	252.7	253.3	253.3	253.9	253.9	253.9
22.5°	248.2	248.9	250.1	250.8	251.4	252.0	252.7	252.7	252.7	252.7
25°	245.7	247.0	247.6	248.9	249.5	250.1	250.8	250.8	250.8	251.4
27.5°	242.5	243.8	245.7	246.3	247.0	247.6	248.2	248.9	248.9	248.9
30°	238.7	240.6	241.9	243.1	243.8	244.4	245.1	245.1	245.7	245.7
32.5°	234.3	236.2	237.4	238.7	239.3	240.0	241.2	241.2	241.9	241.9
35°	228.5	230.5	232.4	233.6	234.3	234.9	236.2	236.8	236.8	236.8
37.5°	222.8	224.7	226.6	228.5	229.2	229.8	231.1	231.1	231.7	231.7
40°	215.9	217.8	219.7	221.6	221.6	222.8	223.5	224.1	224.7	224.7
42.5°	208.9	210.8	212.0	213.9	214.6	215.2	215.9	217.1	217.1	217.8
45°	200.6	202.5	203.8	205.7	206.3	207.0	208.2	208.9	209.5	209.5
47.5°	191.7	193.0	194.3	196.2	197.4	198.1	198.7	199.3	200.0	199.3
50°	181.6	182.8	184.7	186.6	187.3	187.9	189.2	189.2	189.8	189.8
52.5°	170.8	172.7	174.0	175.9	176.5	177.1	178.4	178.4	179.0	179.0
55°	158.7	160.0	161.3	164.4	165.1	165.7	167.0	167.0	167.6	168.2
57.5°	147.3	147.9	149.8	151.1	152.4	152.4	153.0	153.6	154.3	154.3
60°	135.2	135.9	137.1	139.0	139.0	139.7	140.9	140.9	141.6	141.6
62.5°	122.5	123.8	125.1	127.0	126.3	127.0	128.2	128.2	128.9	128.9
65°	109.8	110.5	111.7	113.0	113.6	113.6	114.3	114.9	115.5	115.5
67.5°	96.5	97.8	98.4	100.3	99.7	100.3	100.9	100.9	101.6	101.6
70°	83.8	84.4	85.7	86.3	86.3	87.0	87.6	87.6	87.6	88.2
72.5°	71.1	71.7	72.4	73.0	73.0	73.6	74.3	74.3	74.9	74.9
75°	57.8	59.0	59.7	60.9	60.3	60.9	62.2	62.2	62.2	62.2
77.5°	46.3	47.0	48.2	48.9	48.9	48.9	50.2	49.5	50.2	50.2
80°	34.9	35.6	36.8	37.5	37.5	38.1	38.7	38.7	38.7	39.4
82.5°	24.8	26.0	27.3	27.9	27.9	28.6	29.2	29.2	29.8	29.8
85°	17.1	18.4	19.7	19.7	20.3	21.0	21.6	21.6	21.6	21.6
87.5°	11.4	12.1	12.7	13.3	14.0	14.0	14.6	14.6	15.2	15.2
90°	6.3	7.0	7.6	8.3	8.3	8.9	8.9	9.5	9.5	9.5
92.5°	8.9	8.9	9.5	10.2	10.2	10.2	10.2	10.8	10.8	10.8
95°	19.0	19.7	19.7	21.0	21.0	21.0	21.6	21.6	21.6	21.6
97.5°	36.8	36.8	36.8	38.1	38.1	38.1	38.7	38.7	38.7	39.4
100°	57.8	58.4	58.4	60.3	59.7	60.9	60.9	60.9	60.9	61.6
102.5°	81.3	82.5	83.2	85.1	85.1	85.1	86.3	85.7	86.3	86.3
105°	106.7	107.9	108.6	110.5	111.7	111.7	113.0	112.4	113.0	113.6
107.5°	132.1	134.0	135.2	137.1	138.4	139.0	139.0	139.7	140.3	140.9
110°	158.1	160.0	163.2	165.1	165.7	167.0	167.6	168.2	168.9	170.1



TEST NUMBER: P395538

CATALOG NUMBER: I3-FL-30L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	185.4	187.3	189.8	192.4	191.7	193.6	194.9	195.5	196.2	195.5
115°	210.1	212.7	215.2	217.8	217.8	219.0	221.6	222.2	222.2	223.5
117.5°	233.6	236.8	239.3	241.9	242.5	243.8	245.7	247.6	247.6	248.9
120°	256.5	260.3	262.8	265.4	266.6	267.3	269.2	271.7	271.7	271.7
122.5°	278.1	281.2	284.4	287.0	288.2	289.5	290.8	293.9	293.9	295.2
125°	298.4	302.2	305.4	307.9	309.2	310.4	313.0	314.9	315.5	315.5
127.5°	317.4	321.2	324.4	327.6	328.2	329.5	332.0	334.6	335.2	335.8
130°	335.2	339.0	342.2	345.4	346.6	347.3	350.4	352.3	353.6	354.2
132.5°	351.1	354.9	358.1	361.2	362.5	363.8	365.7	368.9	369.5	369.5
135°	365.7	369.5	372.7	376.5	377.1	378.4	380.9	382.8	384.1	384.7
137.5°	379.0	382.8	386.6	389.8	391.1	391.7	394.2	396.8	398.1	398.7
140°	391.1	394.9	398.7	401.2	401.9	403.8	405.7	408.2	409.5	410.1
142.5°	402.5	405.7	408.8	412.0	412.7	413.9	415.8	418.4	419.6	420.3
145°	412.7	415.8	418.4	420.9	421.5	422.8	424.7	426.6	427.9	428.5
147.5°	422.2	424.7	427.3	429.2	429.8	431.1	432.3	433.6	434.9	435.5
150°	430.4	431.7	434.2	435.5	436.1	437.4	438.7	440.0	441.2	441.9
152.5°	436.8	438.7	440.0	441.9	442.5	443.1	444.4	445.7	446.9	446.9
155°	441.9	443.8	445.0	446.9	447.6	448.2	449.5	450.1	451.4	451.4
157.5°	445.7	447.6	448.8	450.1	450.7	451.4	452.0	453.3	454.6	454.6
160°	450.1	450.7	451.4	452.7	452.7	453.3	453.9	454.6	455.8	455.8
162.5°	453.9	454.6	453.3	453.9	453.3	453.9	454.6	455.2	455.8	455.8
165°	455.2	456.5	455.8	456.5	456.5	456.5	456.5	457.1	457.1	457.1
167.5°	455.2	456.5	455.8	455.8	456.5	456.5	457.1	457.7	457.7	457.7
170°	455.2	455.8	455.2	454.6	455.2	455.2	455.2	455.8	455.8	455.8
172.5°	454.6	455.2	453.9	453.3	453.3	453.3	452.7	452.7	452.0	452.0
175°	453.9	453.9	452.7	452.0	452.0	452.0	450.7	450.1	449.5	448.8
177.5°	453.3	453.3	451.4	450.7	450.7	450.1	450.1	448.8	448.8	448.2
180°	452.0	452.0	452.0	452.0	452.0	452.0	452.0	452.0	452.0	452.0

(END OF REPORT)