

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: P395540

Luminaire Tested: **I3-FL-30L93050-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395540  
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 (4500K)  
Description: CORELITE I3, FROSTED TOP COVER  
3000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2558.2 lumens  
Efficiency: N/A  
Efficacy: 118.4 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

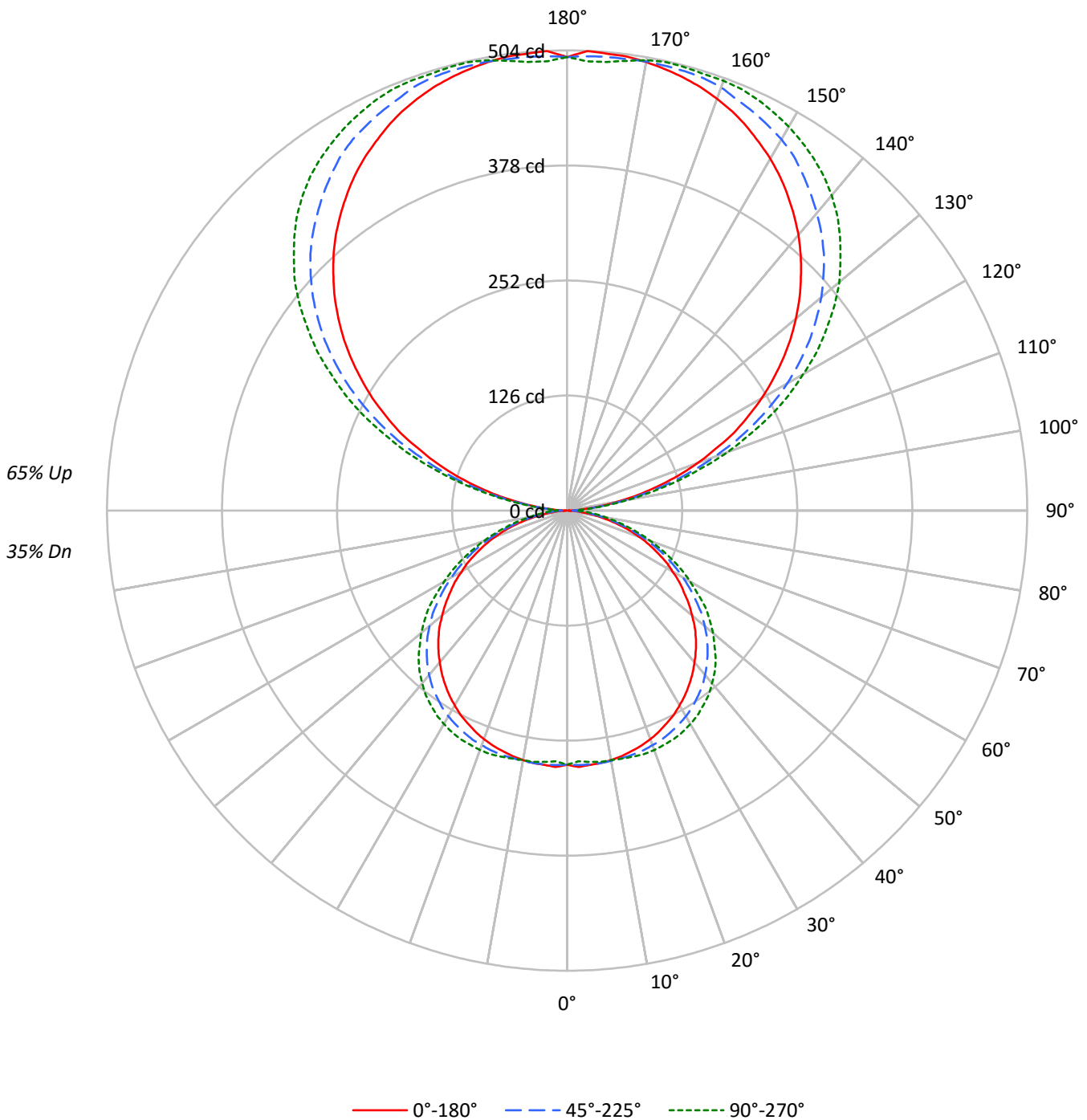
Input Watts (W): 21.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P395540

CATALOG NUMBER: I3-FL-30L93050-1D-UNV-W2A-W-4 (4500K)

### Luminous Intensity Polar Plot





TEST NUMBER: P395540

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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°	1530	1530	1530
5°	1538	1504	1481
10°	1538	1484	1463
15°	1535	1471	1457
20°	1535	1459	1455
25°	1531	1446	1450
30°	1526	1432	1437
35°	1518	1409	1416
40°	1503	1379	1384
45°	1487	1336	1342
50°	1453	1277	1277
55°	1412	1197	1200
60°	1364	1103	1084
65°	1297	988	963
70°	1204	842	814
75°	1048	670	647
80°	819	476	474
85°	445	272	311



TEST NUMBER: P395540

CATALOG NUMBER: I3-FL-30L93050-1D-UNV-W2A-W-4 (4500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.5	1.0
10°-20°	78.1	3.1
20°-30°	123.1	4.8
30°-40°	154.7	6.0
40°-50°	166.3	6.5
50°-60°	153.0	6.0
60°-70°	117.2	4.6
70°-80°	66.8	2.6
80°-90°	20.9	0.8
90°-100°	27.9	1.1
100°-110°	121.2	4.7
110°-120°	222.0	8.7
120°-130°	286.1	11.2
130°-140°	304.4	11.9
140°-150°	280.1	10.9
150°-160°	221.9	8.7
160°-170°	140.5	5.5
170°-180°	47.6	1.9
0°-30°	227.7	8.9
0°-40°	382.4	14.9
0°-60°	701.7	27.4
0°-90°	906.5	35.4
90°-120°	371.1	14.5
90°-150°	1241.7	48.5
90°-180°	1652.0	64.6
0°-180°	2558.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	278	278	278	278	278	
5°	280	277	279	278	276	27
15°	273	271	277	279	279	77
25°	257	258	268	274	276	119
35°	233	236	249	257	260	146
45°	200	204	218	227	230	154
55°	156	162	172	181	185	140
65°	109	112	119	125	127	108
75°	57	59	63	66	68	60
85°	10	13	17	22	24	13
90°	1	2	6	9	10	2
95°	19	18	20	23	24	24
105°	102	107	116	123	125	109
115°	202	211	227	239	246	198
125°	288	301	324	340	347	257
135°	362	374	398	414	423	279
145°	421	430	450	463	471	264
155°	465	470	482	492	496	214
165°	491	491	498	502	502	139
175°	502	499	499	497	493	48
180°	497	497	497	497	497	



TEST NUMBER: P395540

CATALOG NUMBER: I3-FL-30L93050-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	278.3	278.3	278.3	278.3	278.3	278.3	278.3	278.3	278.3	278.3	278.3
2.5°	281.1	280.4	279.7	278.3	278.3	277.6	277.6	277.6	277.6	278.3	279.0
5°	279.7	279.7	279.0	277.6	277.6	276.9	276.9	277.6	276.9	277.6	279.0
7.5°	279.0	279.0	278.3	276.9	276.9	276.9	276.9	276.9	276.9	277.6	279.0
10°	277.6	277.6	276.2	275.5	275.5	275.5	275.5	276.2	276.2	276.9	278.3
12.5°	275.5	274.9	274.2	273.5	273.5	273.5	274.2	274.9	274.9	276.2	277.6
15°	272.8	272.8	272.1	271.4	271.4	271.4	272.1	272.8	273.5	274.9	276.9
17.5°	270.0	270.0	269.3	269.3	269.3	269.3	270.0	270.7	272.1	273.5	275.5
20°	266.5	266.5	265.8	265.8	265.8	266.5	266.5	267.9	269.3	271.4	273.5
22.5°	262.3	262.3	262.3	261.6	262.3	263.0	263.7	265.1	266.5	268.6	271.4
25°	257.4	257.4	257.4	257.4	258.1	258.1	259.5	260.9	262.3	265.1	267.9
27.5°	252.5	252.5	252.5	251.8	253.2	253.9	254.6	256.7	258.1	261.6	264.4
30°	246.3	246.3	246.3	246.9	247.6	248.3	249.7	251.8	253.2	256.7	260.2
32.5°	240.0	240.0	240.0	240.0	242.1	242.8	243.5	245.6	248.3	251.8	255.3
35°	233.0	233.0	233.0	233.7	235.1	235.8	237.2	239.3	242.1	245.6	249.0
37.5°	225.3	226.0	226.0	226.7	228.1	229.5	230.9	233.0	235.8	239.3	242.8
40°	217.0	217.6	217.6	218.3	219.7	221.1	222.5	225.3	228.1	231.6	235.1
42.5°	208.6	209.3	209.3	210.7	212.1	213.5	214.9	217.6	220.4	223.9	226.7
45°	199.5	200.2	200.2	201.6	203.7	204.4	206.5	209.3	212.1	214.9	217.6
47.5°	189.7	190.4	190.4	191.8	193.9	195.3	196.7	199.5	201.6	205.1	207.9
50°	178.6	179.3	180.0	181.4	184.2	185.6	187.0	189.0	191.8	193.9	196.7
52.5°	168.1	168.1	168.8	170.2	172.3	173.7	174.4	176.5	180.0	182.8	185.6
55°	156.3	157.0	157.7	159.1	161.1	162.5	163.2	165.3	167.4	169.5	172.3
57.5°	145.8	145.8	146.5	147.9	150.0	150.7	151.4	152.8	155.6	157.7	159.7
60°	133.2	133.9	134.6	136.0	137.4	138.8	138.8	140.9	143.0	145.1	146.5
62.5°	122.1	122.1	122.8	124.2	124.9	126.3	126.3	128.4	129.8	131.8	133.2
65°	108.8	109.5	110.2	110.9	112.3	112.3	113.0	114.4	115.8	117.2	119.3
67.5°	97.0	97.0	97.7	98.4	99.1	99.1	99.8	101.2	102.5	103.9	105.3
70°	83.7	84.4	84.4	84.4	85.1	85.8	86.5	87.2	88.6	89.3	90.7
72.5°	70.5	70.5	71.2	71.2	71.9	72.5	73.2	73.9	74.6	76.0	76.7
75°	57.2	57.2	57.9	57.9	58.6	58.6	58.6	60.0	60.7	62.1	62.8
77.5°	43.9	44.6	44.6	44.6	45.3	46.0	46.0	46.7	48.1	48.8	49.5
80°	32.1	32.1	32.1	32.1	32.8	33.5	34.2	34.2	35.6	37.0	37.7
82.5°	20.2	20.2	20.9	21.6	21.6	22.3	23.0	23.7	25.1	25.8	26.5
85°	10.5	10.5	11.2	11.9	12.6	13.3	13.3	14.0	15.3	16.7	17.4
87.5°	3.5	4.2	4.2	4.9	5.6	6.3	7.0	7.7	9.1	10.5	11.2
90°	0.7	0.7	0.7	1.4	2.1	2.1	2.8	3.5	4.2	4.9	6.3
92.5°	6.3	6.3	5.6	6.3	6.3	6.3	6.3	7.0	7.7	7.7	9.1
95°	18.8	18.1	18.1	18.1	18.1	18.1	18.1	18.8	19.5	19.5	20.2
97.5°	36.3	36.3	35.6	35.6	36.3	36.3	36.3	37.0	38.4	37.7	39.1
100°	56.5	56.5	55.8	56.5	57.2	57.9	59.3	59.3	60.7	60.7	62.8
102.5°	79.5	79.5	78.8	80.2	80.9	82.3	82.3	83.7	85.8	85.8	88.6
105°	102.5	103.2	103.2	104.6	106.0	107.4	107.4	109.5	112.3	112.3	115.8
107.5°	127.7	128.4	128.4	129.8	131.1	132.5	133.2	136.0	138.8	139.5	143.7
110°	152.1	152.8	153.5	154.9	156.3	158.4	159.7	162.5	166.0	167.4	170.9



TEST NUMBER: P395540

CATALOG NUMBER: I3-FL-30L93050-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	175.1	177.9	178.6	180.7	182.8	184.9	186.3	189.7	193.9	196.0	200.2
115°	201.6	203.0	203.7	205.8	208.6	210.7	212.1	215.6	219.7	222.5	227.4
117.5°	223.2	226.7	227.4	229.5	232.3	234.4	235.8	240.0	244.9	248.3	253.2
120°	246.3	249.0	251.8	253.2	255.3	258.1	259.5	263.7	269.3	272.8	278.3
122.5°	267.2	270.0	272.8	274.9	277.6	279.0	281.1	286.0	291.6	295.8	301.4
125°	288.1	291.6	293.7	295.8	299.3	300.7	302.8	307.6	313.2	318.1	323.7
127.5°	308.3	310.4	313.9	315.3	318.8	320.2	322.3	327.9	333.5	338.3	343.9
130°	327.2	330.0	332.8	333.5	337.6	339.7	341.8	346.7	353.0	357.9	363.4
132.5°	345.3	346.7	350.2	352.3	355.8	357.9	360.0	364.1	370.4	375.3	380.9
135°	362.1	363.4	367.6	369.7	371.8	373.9	376.7	380.9	387.2	392.0	397.6
137.5°	378.8	380.2	384.4	386.5	387.9	390.0	392.0	396.2	402.5	407.4	412.3
140°	394.1	395.5	398.3	401.1	402.5	403.9	406.0	410.2	415.8	420.6	425.5
142.5°	408.1	409.5	412.3	415.1	417.2	417.2	419.3	422.7	429.0	433.9	438.1
145°	421.3	422.0	424.8	427.6	430.4	430.4	431.1	434.6	440.2	445.8	449.9
147.5°	433.9	434.6	436.7	439.5	441.6	442.3	443.7	445.1	450.6	456.2	461.1
150°	445.1	445.8	447.2	449.9	451.3	452.7	454.1	454.8	459.0	463.9	469.5
152.5°	454.8	455.5	456.9	459.0	460.4	461.8	463.2	465.3	467.4	472.3	475.8
155°	464.6	465.3	466.0	468.1	469.5	470.2	470.9	473.7	475.8	478.6	482.0
157.5°	473.0	473.0	473.7	475.1	476.5	476.5	477.2	479.9	482.0	484.8	486.9
160°	479.9	479.9	480.6	482.0	482.0	482.7	483.4	485.5	486.9	490.4	493.2
162.5°	486.2	485.5	486.2	486.9	486.9	486.9	487.6	489.0	491.1	493.9	496.7
165°	491.1	491.1	491.1	491.8	491.8	491.1	491.1	492.5	493.9	496.0	498.1
167.5°	495.3	495.3	494.6	495.3	494.6	494.6	493.9	494.6	495.3	497.4	498.8
170°	498.8	498.1	498.1	498.1	497.4	496.7	496.7	496.7	496.7	498.1	499.5
172.5°	501.6	500.9	500.2	500.2	498.8	498.1	498.1	497.4	497.4	498.1	498.8
175°	502.3	501.6	500.9	500.9	499.5	498.8	498.1	498.1	497.4	498.1	498.8
177.5°	503.7	503.0	501.6	501.6	500.2	498.8	498.8	498.1	497.4	498.1	498.1
180°	496.7	496.7	496.7	496.7	496.7	496.7	496.7	496.7	496.7	496.7	496.7



TEST NUMBER: P395540

CATALOG NUMBER: I3-FL-30L93050-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	278.3	278.3	278.3	278.3	278.3	278.3	278.3	278.3	278.3	278.3
2.5°	279.7	279.7	279.0	278.3	278.3	277.6	276.9	276.2	275.5	274.9
5°	279.7	279.0	278.3	278.3	277.6	277.6	277.6	276.9	276.2	276.2
7.5°	279.7	279.7	279.0	278.3	278.3	278.3	278.3	278.3	277.6	277.6
10°	279.7	279.0	279.0	279.0	278.3	279.0	279.0	278.3	278.3	277.6
12.5°	279.0	279.0	279.0	279.0	279.0	279.0	279.0	279.0	279.0	278.3
15°	277.6	278.3	278.3	279.0	279.0	279.0	279.7	279.7	279.0	279.0
17.5°	276.9	277.6	278.3	279.0	279.0	279.0	279.7	279.7	279.7	279.7
20°	275.5	276.2	276.9	277.6	277.6	278.3	278.3	279.0	279.0	279.0
22.5°	272.8	273.5	274.9	275.5	276.2	276.9	277.6	277.6	277.6	277.6
25°	270.0	271.4	272.1	273.5	274.2	274.9	275.5	275.5	275.5	276.2
27.5°	266.5	267.9	270.0	270.7	271.4	272.1	272.8	273.5	273.5	273.5
30°	262.3	264.4	265.8	267.2	267.9	268.6	269.3	269.3	270.0	270.0
32.5°	257.4	259.5	260.9	262.3	263.0	263.7	265.1	265.1	265.8	265.8
35°	251.1	253.2	255.3	256.7	257.4	258.1	259.5	260.2	260.2	260.2
37.5°	244.9	246.9	249.0	251.1	251.8	252.5	253.9	253.9	254.6	254.6
40°	237.2	239.3	241.4	243.5	243.5	244.9	245.6	246.3	246.9	246.9
42.5°	229.5	231.6	233.0	235.1	235.8	236.5	237.2	238.6	238.6	239.3
45°	220.4	222.5	223.9	226.0	226.7	227.4	228.8	229.5	230.2	230.2
47.5°	210.7	212.1	213.5	215.6	217.0	217.6	218.3	219.0	219.7	219.0
50°	199.5	200.9	203.0	205.1	205.8	206.5	207.9	207.9	208.6	208.6
52.5°	187.7	189.7	191.1	193.2	193.9	194.6	196.0	196.0	196.7	196.7
55°	174.4	175.8	177.2	180.7	181.4	182.1	183.5	183.5	184.2	184.9
57.5°	161.8	162.5	164.6	166.0	167.4	167.4	168.1	168.8	169.5	169.5
60°	148.6	149.3	150.7	152.8	152.8	153.5	154.9	154.9	155.6	155.6
62.5°	134.6	136.0	137.4	139.5	138.8	139.5	140.9	140.9	141.6	141.6
65°	120.7	121.4	122.8	124.2	124.9	124.9	125.6	126.3	127.0	127.0
67.5°	106.0	107.4	108.1	110.2	109.5	110.2	110.9	110.9	111.6	111.6
70°	92.1	92.8	94.2	94.9	94.9	95.6	96.3	96.3	96.3	97.0
72.5°	78.1	78.8	79.5	80.2	80.2	80.9	81.6	81.6	82.3	82.3
75°	63.5	64.9	65.6	67.0	66.3	67.0	68.4	68.4	68.4	68.4
77.5°	50.9	51.6	53.0	53.7	53.7	53.7	55.1	54.4	55.1	55.1
80°	38.4	39.1	40.5	41.2	41.2	41.9	42.6	42.6	42.6	43.3
82.5°	27.2	28.6	30.0	30.7	30.7	31.4	32.1	32.1	32.8	32.8
85°	18.8	20.2	21.6	21.6	22.3	23.0	23.7	23.7	23.7	23.7
87.5°	12.6	13.3	14.0	14.6	15.3	15.3	16.0	16.0	16.7	16.7
90°	7.0	7.7	8.4	9.1	9.1	9.8	9.8	10.5	10.5	10.5
92.5°	9.8	9.8	10.5	11.2	11.2	11.2	11.2	11.9	11.9	11.9
95°	20.9	21.6	21.6	23.0	23.0	23.0	23.7	23.7	23.7	23.7
97.5°	40.5	40.5	40.5	41.9	41.9	41.9	42.6	42.6	42.6	43.3
100°	63.5	64.2	64.2	66.3	65.6	67.0	67.0	67.0	67.0	67.7
102.5°	89.3	90.7	91.4	93.5	93.5	93.5	94.9	94.2	94.9	94.9
105°	117.2	118.6	119.3	121.4	122.8	122.8	124.2	123.5	124.2	124.9
107.5°	145.1	147.2	148.6	150.7	152.1	152.8	152.8	153.5	154.2	154.9
110°	173.7	175.8	179.3	181.4	182.1	183.5	184.2	184.9	185.6	187.0





TEST NUMBER: P395540

CATALOG NUMBER: I3-FL-30L93050-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	203.7	205.8	208.6	211.4	210.7	212.8	214.2	214.9	215.6	214.9
115°	230.9	233.7	236.5	239.3	239.3	240.7	243.5	244.2	244.2	245.6
117.5°	256.7	260.2	263.0	265.8	266.5	267.9	270.0	272.1	272.1	273.5
120°	281.8	286.0	288.8	291.6	293.0	293.7	295.8	298.6	298.6	298.6
122.5°	305.5	309.0	312.5	315.3	316.7	318.1	319.5	323.0	323.0	324.4
125°	327.9	332.1	335.5	338.3	339.7	341.1	343.9	346.0	346.7	346.7
127.5°	348.8	353.0	356.5	360.0	360.7	362.1	364.8	367.6	368.3	369.0
130°	368.3	372.5	376.0	379.5	380.9	381.6	385.1	387.2	388.6	389.3
132.5°	385.8	390.0	393.4	396.9	398.3	399.7	401.8	405.3	406.0	406.0
135°	401.8	406.0	409.5	413.7	414.4	415.8	418.6	420.6	422.0	422.7
137.5°	416.5	420.6	424.8	428.3	429.7	430.4	433.2	436.0	437.4	438.1
140°	429.7	433.9	438.1	440.9	441.6	443.7	445.8	448.6	449.9	450.6
142.5°	442.3	445.8	449.3	452.7	453.4	454.8	456.9	459.7	461.1	461.8
145°	453.4	456.9	459.7	462.5	463.2	464.6	466.7	468.8	470.2	470.9
147.5°	463.9	466.7	469.5	471.6	472.3	473.7	475.1	476.5	477.9	478.6
150°	473.0	474.4	477.2	478.6	479.2	480.6	482.0	483.4	484.8	485.5
152.5°	479.9	482.0	483.4	485.5	486.2	486.9	488.3	489.7	491.1	491.1
155°	485.5	487.6	489.0	491.1	491.8	492.5	493.9	494.6	496.0	496.0
157.5°	489.7	491.8	493.2	494.6	495.3	496.0	496.7	498.1	499.5	499.5
160°	494.6	495.3	496.0	497.4	497.4	498.1	498.8	499.5	500.9	500.9
162.5°	498.8	499.5	498.1	498.8	498.1	498.8	499.5	500.2	500.9	500.9
165°	500.2	501.6	500.9	501.6	501.6	501.6	501.6	502.3	502.3	502.3
167.5°	500.2	501.6	500.9	500.9	501.6	501.6	502.3	503.0	503.0	503.0
170°	500.2	500.9	500.2	499.5	500.2	500.2	500.2	500.9	500.9	500.9
172.5°	499.5	500.2	498.8	498.1	498.1	498.1	497.4	497.4	496.7	496.7
175°	498.8	498.8	497.4	496.7	496.7	496.7	495.3	494.6	493.9	493.2
177.5°	498.1	498.1	496.0	495.3	495.3	494.6	494.6	493.2	493.2	492.5
180°	496.7	496.7	496.7	496.7	496.7	496.7	496.7	496.7	496.7	496.7

(END OF REPORT)