

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: P395564

Luminaire Tested: **I3-FL-40L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395564
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-40L93050-1D-UNV-W2A-W-4 (3500K)
Description: CORELITE I3, FROSTED TOP COVER
4000 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: 3101.6 lumens
Efficiency: N/A
Efficacy: 109.2 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

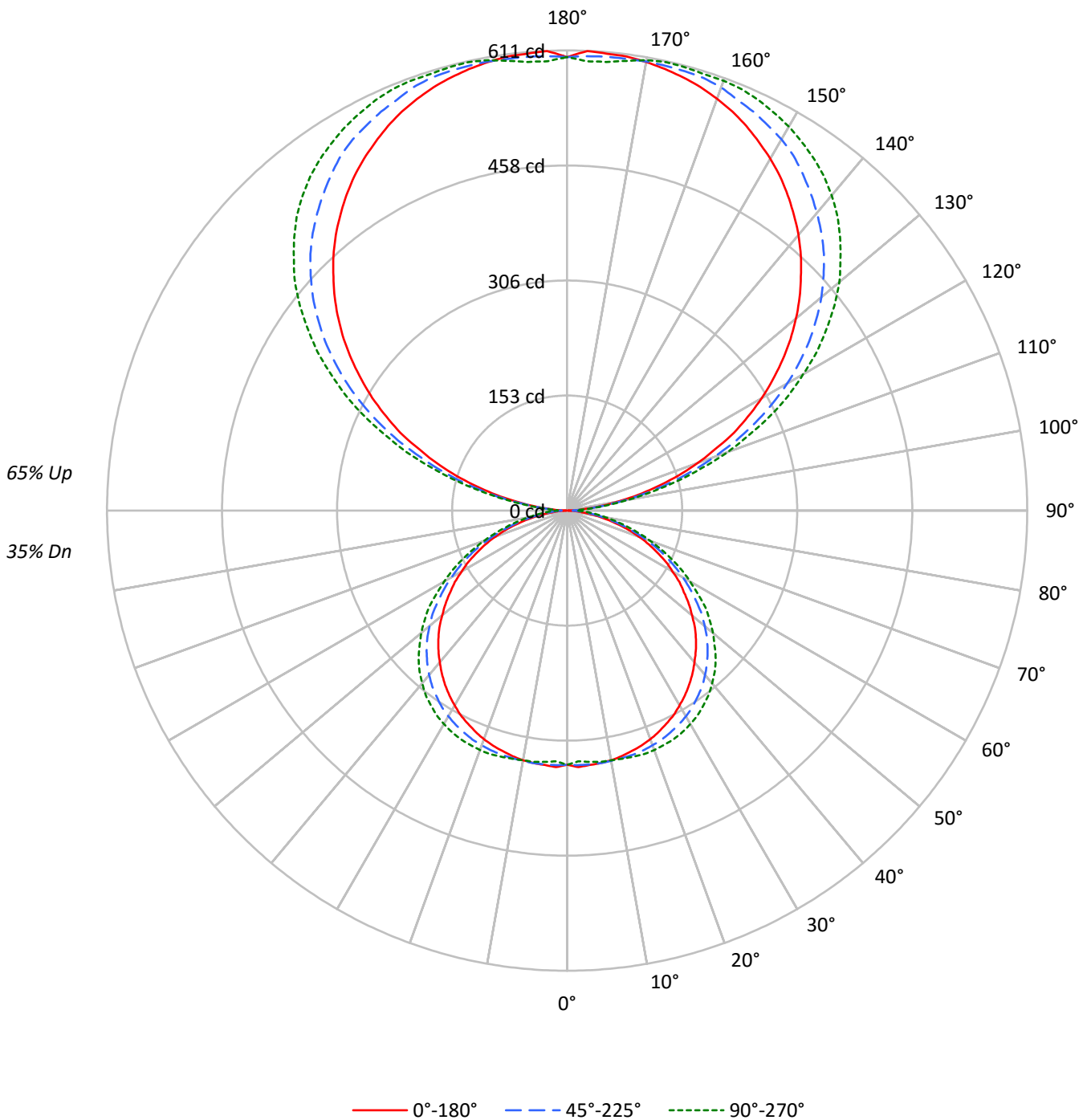
Input Watts (W): 28.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20										
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°	1855	1855	1855
5°	1865	1824	1795
10°	1865	1799	1774
15°	1861	1784	1767
20°	1861	1769	1765
25°	1856	1753	1758
30°	1850	1736	1742
35°	1841	1708	1716
40°	1822	1672	1679
45°	1804	1621	1627
50°	1762	1549	1548
55°	1712	1451	1455
60°	1653	1337	1314
65°	1572	1198	1167
70°	1460	1022	986
75°	1272	811	785
80°	992	577	574
85°	539	330	378



TEST NUMBER: P395564

CATALOG NUMBER: I3-FL-40L93050-1D-UNV-W2A-W-4 (3500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.2	1.0
10°-20°	94.6	3.1
20°-30°	149.2	4.8
30°-40°	187.6	6.0
40°-50°	201.7	6.5
50°-60°	185.5	6.0
60°-70°	142.1	4.6
70°-80°	80.9	2.6
80°-90°	25.3	0.8
90°-100°	33.8	1.1
100°-110°	147.0	4.7
110°-120°	269.1	8.7
120°-130°	346.9	11.2
130°-140°	369.1	11.9
140°-150°	339.6	10.9
150°-160°	269.0	8.7
160°-170°	170.4	5.5
170°-180°	57.7	1.9
0°-30°	276.1	8.9
0°-40°	463.6	14.9
0°-60°	850.8	27.4
0°-90°	1099.1	35.4
90°-120°	449.9	14.5
90°-150°	1505.4	48.5
90°-180°	2002.0	64.5
0°-180°	3101.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	338	338	338	338	338	
5°	339	336	338	337	335	32
15°	331	329	336	338	338	93
25°	312	313	325	332	335	144
35°	282	286	302	312	316	177
45°	242	248	264	275	279	186
55°	190	197	209	220	224	170
65°	132	136	145	151	154	131
75°	69	71	76	80	83	73
85°	13	16	21	27	29	16
90°	1	2	8	11	13	2
95°	23	22	24	28	29	29
105°	124	130	140	149	151	132
115°	244	255	276	290	298	240
125°	349	364	392	412	420	312
135°	439	453	482	502	513	339
145°	511	522	546	562	571	320
155°	563	570	584	596	601	260
165°	595	595	604	608	609	168
175°	609	605	605	602	598	58
180°	602	602	602	602	602	



TEST NUMBER: P395564

CATALOG NUMBER: I3-FL-40L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5
2.5°	340.9	340.0	339.2	337.5	337.5	336.6	336.6	336.6	336.6	337.5	338.3
5°	339.2	339.2	338.3	336.6	336.6	335.8	335.8	336.6	335.8	336.6	338.3
7.5°	338.3	338.3	337.5	335.8	335.8	335.8	335.8	335.8	335.8	336.6	338.3
10°	336.6	336.6	334.9	334.1	334.1	334.1	334.1	334.9	334.9	335.8	337.5
12.5°	334.1	333.2	332.4	331.6	331.6	331.6	332.4	333.2	333.2	334.9	336.6
15°	330.7	330.7	329.9	329.0	329.0	329.0	329.9	330.7	331.6	333.2	335.8
17.5°	327.3	327.3	326.5	326.5	326.5	326.5	327.3	328.2	329.9	331.6	334.1
20°	323.1	323.1	322.3	322.3	322.3	323.1	323.1	324.8	326.5	329.0	331.6
22.5°	318.0	318.0	318.0	317.2	318.0	318.9	319.7	321.4	323.1	325.6	329.0
25°	312.1	312.1	312.1	312.1	312.9	312.9	314.6	316.3	318.0	321.4	324.8
27.5°	306.2	306.2	306.2	305.3	307.0	307.9	308.7	311.3	312.9	317.2	320.6
30°	298.6	298.6	298.6	299.4	300.3	301.1	302.8	305.3	307.0	311.3	315.5
32.5°	291.0	291.0	291.0	291.0	293.5	294.3	295.2	297.7	301.1	305.3	309.6
35°	282.5	282.5	282.5	283.3	285.0	285.9	287.6	290.1	293.5	297.7	302.0
37.5°	273.2	274.0	274.0	274.9	276.6	278.3	280.0	282.5	285.9	290.1	294.3
40°	263.0	263.9	263.9	264.7	266.4	268.1	269.8	273.2	276.6	280.8	285.0
42.5°	252.9	253.7	253.7	255.4	257.1	258.8	260.5	263.9	267.3	271.5	274.9
45°	241.9	242.7	242.7	244.4	247.0	247.8	250.4	253.7	257.1	260.5	263.9
47.5°	230.1	230.9	230.9	232.6	235.1	236.8	238.5	241.9	244.4	248.7	252.0
50°	216.5	217.4	218.2	219.9	223.3	225.0	226.7	229.2	232.6	235.1	238.5
52.5°	203.8	203.8	204.7	206.4	208.9	210.6	211.5	214.0	218.2	221.6	225.0
55°	189.5	190.3	191.2	192.8	195.4	197.1	197.9	200.5	203.0	205.5	208.9
57.5°	176.8	176.8	177.6	179.3	181.8	182.7	183.5	185.2	188.6	191.2	193.7
60°	161.5	162.4	163.2	164.9	166.6	168.3	168.3	170.9	173.4	175.9	177.6
62.5°	148.0	148.0	148.9	150.6	151.4	153.1	153.1	155.6	157.3	159.9	161.5
65°	131.9	132.8	133.6	134.5	136.2	136.2	137.0	138.7	140.4	142.1	144.6
67.5°	117.6	117.6	118.4	119.3	120.1	120.1	121.0	122.6	124.3	126.0	127.7
70°	101.5	102.3	102.3	102.3	103.2	104.0	104.9	105.7	107.4	108.3	110.0
72.5°	85.4	85.4	86.3	86.3	87.1	88.0	88.8	89.7	90.5	92.2	93.0
75°	69.4	69.4	70.2	70.2	71.0	71.0	71.0	72.7	73.6	75.3	76.1
77.5°	53.3	54.1	54.1	54.1	55.0	55.8	55.8	56.7	58.4	59.2	60.1
80°	38.9	38.9	38.9	38.9	39.8	40.6	41.4	41.4	43.1	44.8	45.7
82.5°	24.5	24.5	25.4	26.2	26.2	27.1	27.9	28.8	30.4	31.3	32.1
85°	12.7	12.7	13.5	14.4	15.2	16.1	16.1	16.9	18.6	20.3	21.1
87.5°	4.2	5.1	5.1	5.9	6.8	7.6	8.5	9.3	11.0	12.7	13.5
90°	0.8	0.8	0.8	1.7	2.5	2.5	3.4	4.2	5.1	5.9	7.6
92.5°	7.6	7.6	6.8	7.6	7.6	7.6	7.6	8.5	9.3	9.3	11.0
95°	22.8	22.0	22.0	22.0	22.0	22.0	22.0	22.8	23.7	23.7	24.5
97.5°	44.0	44.0	43.1	43.1	44.0	44.0	44.0	44.8	46.5	45.7	47.4
100°	68.5	68.5	67.7	68.5	69.4	70.2	71.9	71.9	73.6	73.6	76.1
102.5°	96.4	96.4	95.6	97.3	98.1	99.8	99.8	101.5	104.0	104.0	107.4
105°	124.3	125.2	125.2	126.9	128.6	130.3	130.3	132.8	136.2	136.2	140.4
107.5°	154.8	155.6	155.6	157.3	159.0	160.7	161.5	164.9	168.3	169.2	174.2
110°	184.4	185.2	186.1	187.8	189.5	192.0	193.7	197.1	201.3	203.0	207.2



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CATALOG NUMBER: I3-FL-40L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	212.3	215.7	216.5	219.1	221.6	224.1	225.8	230.1	235.1	237.7	242.7
115°	244.4	246.1	247.0	249.5	252.9	255.4	257.1	261.4	266.4	269.8	275.7
117.5°	270.7	274.9	275.7	278.3	281.7	284.2	285.9	291.0	296.9	301.1	307.0
120°	298.6	302.0	305.3	307.0	309.6	312.9	314.6	319.7	326.5	330.7	337.5
122.5°	323.9	327.3	330.7	333.2	336.6	338.3	340.9	346.8	353.5	358.6	365.4
125°	349.3	353.5	356.1	358.6	362.9	364.5	367.1	373.0	379.8	385.7	392.5
127.5°	373.8	376.4	380.6	382.3	386.5	388.2	390.8	397.5	404.3	410.2	417.0
130°	396.7	400.1	403.4	404.3	409.4	411.9	414.4	420.4	428.0	433.9	440.7
132.5°	418.7	420.4	424.6	427.1	431.4	433.9	436.4	441.5	449.1	455.0	461.8
135°	439.0	440.7	445.7	448.3	450.8	453.4	456.7	461.8	469.4	475.3	482.1
137.5°	459.3	461.0	466.0	468.6	470.3	472.8	475.3	480.4	488.0	493.9	499.9
140°	477.9	479.6	483.0	486.3	488.0	489.7	492.3	497.3	504.1	510.0	515.9
142.5°	494.8	496.5	499.9	503.3	505.8	505.8	508.3	512.6	520.2	526.1	531.2
145°	510.9	511.7	515.1	518.5	521.9	521.9	522.7	526.9	533.7	540.5	545.5
147.5°	526.1	526.9	529.5	532.9	535.4	536.2	537.9	539.6	546.4	553.2	559.1
150°	539.6	540.5	542.2	545.5	547.2	548.9	550.6	551.5	556.5	562.5	569.2
152.5°	551.5	552.3	554.0	556.5	558.2	559.9	561.6	564.2	566.7	572.6	576.8
155°	563.3	564.2	565.0	567.5	569.2	570.1	570.9	574.3	576.8	580.2	584.5
157.5°	573.5	573.5	574.3	576.0	577.7	577.7	578.5	581.9	584.5	587.8	590.4
160°	581.9	581.9	582.8	584.5	584.5	585.3	586.1	588.7	590.4	594.6	598.0
162.5°	589.5	588.7	589.5	590.4	590.4	590.4	591.2	592.9	595.4	598.8	602.2
165°	595.4	595.4	595.4	596.3	596.3	595.4	595.4	597.1	598.8	601.4	603.9
167.5°	600.5	600.5	599.7	600.5	599.7	599.7	598.8	599.7	600.5	603.1	604.8
170°	604.8	603.9	603.9	603.9	603.1	602.2	602.2	602.2	602.2	603.9	605.6
172.5°	608.1	607.3	606.4	606.4	604.8	603.9	603.9	603.1	603.1	603.9	604.8
175°	609.0	608.1	607.3	607.3	605.6	604.8	603.9	603.9	603.1	603.9	604.8
177.5°	610.7	609.8	608.1	608.1	606.4	604.8	604.8	603.9	603.1	603.9	603.9
180°	602.2	602.2	602.2	602.2	602.2	602.2	602.2	602.2	602.2	602.2	602.2



TEST NUMBER: P395564

CATALOG NUMBER: I3-FL-40L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5
2.5°	339.2	339.2	338.3	337.5	337.5	336.6	335.8	334.9	334.1	333.2
5°	339.2	338.3	337.5	337.5	336.6	336.6	336.6	335.8	334.9	334.9
7.5°	339.2	339.2	338.3	337.5	337.5	337.5	337.5	337.5	336.6	336.6
10°	339.2	338.3	338.3	338.3	337.5	338.3	338.3	337.5	337.5	336.6
12.5°	338.3	338.3	338.3	338.3	338.3	338.3	338.3	338.3	338.3	337.5
15°	336.6	337.5	337.5	338.3	338.3	338.3	339.2	339.2	338.3	338.3
17.5°	335.8	336.6	337.5	338.3	338.3	338.3	339.2	339.2	339.2	339.2
20°	334.1	334.9	335.8	336.6	336.6	337.5	337.5	338.3	338.3	338.3
22.5°	330.7	331.6	333.2	334.1	334.9	335.8	336.6	336.6	336.6	336.6
25°	327.3	329.0	329.9	331.6	332.4	333.2	334.1	334.1	334.1	334.9
27.5°	323.1	324.8	327.3	328.2	329.0	329.9	330.7	331.6	331.6	331.6
30°	318.0	320.6	322.3	323.9	324.8	325.6	326.5	326.5	327.3	327.3
32.5°	312.1	314.6	316.3	318.0	318.9	319.7	321.4	321.4	322.3	322.3
35°	304.5	307.0	309.6	311.3	312.1	312.9	314.6	315.5	315.5	315.5
37.5°	296.9	299.4	302.0	304.5	305.3	306.2	307.9	307.9	308.7	308.7
40°	287.6	290.1	292.6	295.2	295.2	296.9	297.7	298.6	299.4	299.4
42.5°	278.3	280.8	282.5	285.0	285.9	286.7	287.6	289.3	289.3	290.1
45°	267.3	269.8	271.5	274.0	274.9	275.7	277.4	278.3	279.1	279.1
47.5°	255.4	257.1	258.8	261.4	263.0	263.9	264.7	265.6	266.4	265.6
50°	241.9	243.6	246.1	248.7	249.5	250.4	252.0	252.0	252.9	252.9
52.5°	227.5	230.1	231.8	234.3	235.1	236.0	237.7	237.7	238.5	238.5
55°	211.5	213.1	214.8	219.1	219.9	220.8	222.4	222.4	223.3	224.1
57.5°	196.2	197.1	199.6	201.3	203.0	203.0	203.8	204.7	205.5	205.5
60°	180.2	181.0	182.7	185.2	185.2	186.1	187.8	187.8	188.6	188.6
62.5°	163.2	164.9	166.6	169.2	168.3	169.2	170.9	170.9	171.7	171.7
65°	146.3	147.2	148.9	150.6	151.4	151.4	152.2	153.1	153.9	153.9
67.5°	128.6	130.3	131.1	133.6	132.8	133.6	134.5	134.5	135.3	135.3
70°	111.6	112.5	114.2	115.0	115.0	115.9	116.7	116.7	116.7	117.6
72.5°	94.7	95.6	96.4	97.3	97.3	98.1	99.0	99.0	99.8	99.8
75°	77.0	78.7	79.5	81.2	80.4	81.2	82.9	82.9	82.9	82.9
77.5°	61.7	62.6	64.3	65.1	65.1	65.1	66.8	66.0	66.8	66.8
80°	46.5	47.4	49.1	49.9	49.9	50.7	51.6	51.6	51.6	52.4
82.5°	33.0	34.7	36.4	37.2	37.2	38.1	38.9	38.9	39.8	39.8
85°	22.8	24.5	26.2	26.2	27.1	27.9	28.8	28.8	28.8	28.8
87.5°	15.2	16.1	16.9	17.8	18.6	18.6	19.5	19.5	20.3	20.3
90°	8.5	9.3	10.1	11.0	11.0	11.8	11.8	12.7	12.7	12.7
92.5°	11.8	11.8	12.7	13.5	13.5	13.5	13.5	14.4	14.4	14.4
95°	25.4	26.2	26.2	27.9	27.9	27.9	28.8	28.8	28.8	28.8
97.5°	49.1	49.1	49.1	50.7	50.7	50.7	51.6	51.6	51.6	52.4
100°	77.0	77.8	77.8	80.4	79.5	81.2	81.2	81.2	81.2	82.0
102.5°	108.3	110.0	110.8	113.3	113.3	113.3	115.0	114.2	115.0	115.0
105°	142.1	143.8	144.6	147.2	148.9	148.9	150.6	149.7	150.6	151.4
107.5°	175.9	178.5	180.2	182.7	184.4	185.2	185.2	186.1	186.9	187.8
110°	210.6	213.1	217.4	219.9	220.8	222.4	223.3	224.1	225.0	226.7



TEST NUMBER: P395564

CATALOG NUMBER: I3-FL-40L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	247.0	249.5	252.9	256.3	255.4	258.0	259.7	260.5	261.4	260.5
115°	280.0	283.3	286.7	290.1	290.1	291.8	295.2	296.0	296.0	297.7
117.5°	311.3	315.5	318.9	322.3	323.1	324.8	327.3	329.9	329.9	331.6
120°	341.7	346.8	350.2	353.5	355.2	356.1	358.6	362.0	362.0	362.0
122.5°	370.5	374.7	378.9	382.3	384.0	385.7	387.4	391.6	391.6	393.3
125°	397.5	402.6	406.8	410.2	411.9	413.6	417.0	419.5	420.4	420.4
127.5°	422.9	428.0	432.2	436.4	437.3	439.0	442.4	445.7	446.6	447.4
130°	446.6	451.7	455.9	460.1	461.8	462.7	466.9	469.4	471.1	472.0
132.5°	467.7	472.8	477.0	481.3	483.0	484.6	487.2	491.4	492.3	492.3
135°	487.2	492.3	496.5	501.6	502.4	504.1	507.5	510.0	511.7	512.6
137.5°	504.9	510.0	515.1	519.3	521.0	521.9	525.2	528.6	530.3	531.2
140°	521.0	526.1	531.2	534.5	535.4	537.9	540.5	543.9	545.5	546.4
142.5°	536.2	540.5	544.7	548.9	549.8	551.5	554.0	557.4	559.1	559.9
145°	549.8	554.0	557.4	560.8	561.6	563.3	565.8	568.4	570.1	570.9
147.5°	562.5	565.8	569.2	571.8	572.6	574.3	576.0	577.7	579.4	580.2
150°	573.5	575.1	578.5	580.2	581.1	582.8	584.5	586.1	587.8	588.7
152.5°	581.9	584.5	586.1	588.7	589.5	590.4	592.1	593.8	595.4	595.4
155°	588.7	591.2	592.9	595.4	596.3	597.1	598.8	599.7	601.4	601.4
157.5°	593.8	596.3	598.0	599.7	600.5	601.4	602.2	603.9	605.6	605.6
160°	599.7	600.5	601.4	603.1	603.1	603.9	604.8	605.6	607.3	607.3
162.5°	604.8	605.6	603.9	604.8	603.9	604.8	605.6	606.4	607.3	607.3
165°	606.4	608.1	607.3	608.1	608.1	608.1	608.1	609.0	609.0	609.0
167.5°	606.4	608.1	607.3	607.3	608.1	608.1	609.0	609.8	609.8	609.8
170°	606.4	607.3	606.4	605.6	606.4	606.4	606.4	607.3	607.3	607.3
172.5°	605.6	606.4	604.8	603.9	603.9	603.9	603.1	603.1	602.2	602.2
175°	604.8	604.8	603.1	602.2	602.2	602.2	600.5	599.7	598.8	598.0
177.5°	603.9	603.9	601.4	600.5	600.5	599.7	599.7	598.0	598.0	597.1
180°	602.2	602.2	602.2	602.2	602.2	602.2	602.2	602.2	602.2	602.2

(END OF REPORT)