

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: P395566

Luminaire Tested: **I3-FL-40L93050-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395566
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 (4500K)
Description: CORELITE I3, FROSTED TOP COVER
4000 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: 3408.2 lumens
Efficiency: N/A
Efficacy: 117.1 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

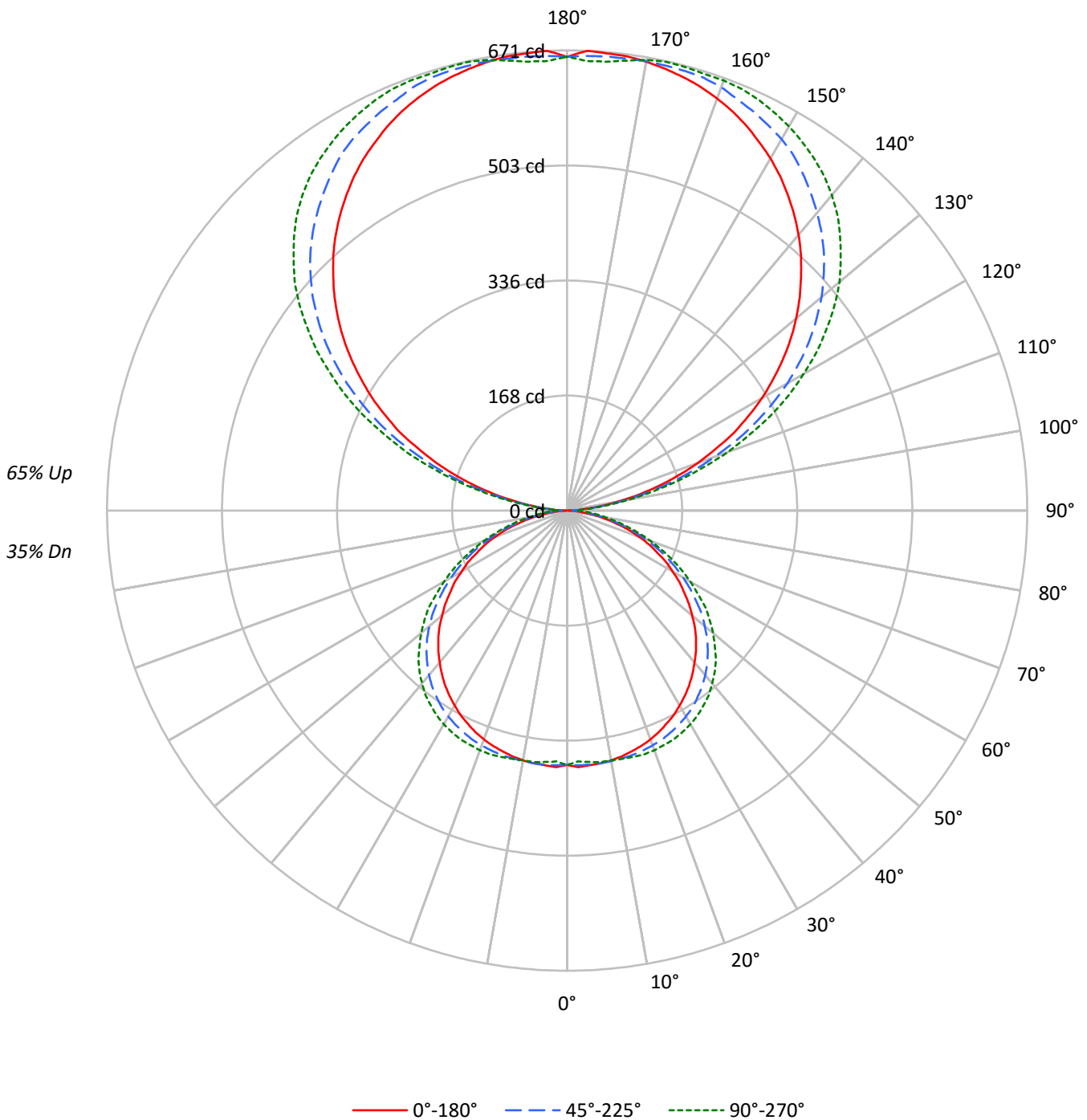
Input Watts (W): 29.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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°	2038	2038	2038
5°	2049	2005	1973
10°	2049	1977	1950
15°	2045	1960	1942
20°	2045	1943	1939
25°	2039	1926	1932
30°	2032	1908	1914
35°	2023	1877	1886
40°	2002	1837	1845
45°	1982	1781	1788
50°	1936	1702	1701
55°	1881	1595	1599
60°	1817	1469	1445
65°	1728	1316	1282
70°	1604	1122	1084
75°	1396	891	862
80°	1091	634	631
85°	590	362	414



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.4	1.0
10°-20°	104.0	3.1
20°-30°	164.0	4.8
30°-40°	206.1	6.0
40°-50°	221.6	6.5
50°-60°	203.9	6.0
60°-70°	156.2	4.6
70°-80°	88.9	2.6
80°-90°	27.8	0.8
90°-100°	37.1	1.1
100°-110°	161.5	4.7
110°-120°	295.7	8.7
120°-130°	381.2	11.2
130°-140°	405.6	11.9
140°-150°	373.1	10.9
150°-160°	295.6	8.7
160°-170°	187.2	5.5
170°-180°	63.4	1.9
0°-30°	303.3	8.9
0°-40°	509.4	14.9
0°-60°	934.9	27.4
0°-90°	1207.8	35.4
90°-120°	494.4	14.5
90°-150°	1654.2	48.5
90°-180°	2200.0	64.6
0°-180°	3408.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	371	371	371	371	371	
5°	373	369	372	370	368	36
15°	363	362	369	372	372	103
25°	343	344	357	365	368	158
35°	310	314	332	343	347	194
45°	266	272	290	302	307	205
55°	208	216	230	242	246	187
65°	145	150	159	166	169	144
75°	76	78	84	88	91	81
85°	14	18	23	30	32	18
90°	1	3	8	12	14	2
95°	25	24	27	31	32	31
105°	137	143	154	164	166	145
115°	269	281	303	319	327	263
125°	384	401	431	453	462	343
135°	482	498	530	552	563	372
145°	561	573	600	617	627	351
155°	619	626	642	655	661	285
165°	654	654	664	668	669	185
175°	669	664	664	662	657	64
180°	662	662	662	662	662	



TEST NUMBER: P395566

CATALOG NUMBER: I3-FL-40L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	370.8	370.8	370.8	370.8	370.8	370.8	370.8	370.8	370.8	370.8	370.8
2.5°	374.5	373.6	372.7	370.8	370.8	369.9	369.9	369.9	369.9	370.8	371.8
5°	372.7	372.7	371.8	369.9	369.9	369.0	369.0	369.9	369.0	369.9	371.8
7.5°	371.8	371.8	370.8	369.0	369.0	369.0	369.0	369.0	369.0	369.9	371.8
10°	369.9	369.9	368.0	367.1	367.1	367.1	367.1	368.0	368.0	369.0	370.8
12.5°	367.1	366.2	365.3	364.3	364.3	364.3	365.3	366.2	366.2	368.0	369.9
15°	363.4	363.4	362.5	361.5	361.5	361.5	362.5	363.4	364.3	366.2	369.0
17.5°	359.7	359.7	358.7	358.7	358.7	358.7	359.7	360.6	362.5	364.3	367.1
20°	355.0	355.0	354.1	354.1	354.1	355.0	355.0	356.9	358.7	361.5	364.3
22.5°	349.5	349.5	349.5	348.5	349.5	350.4	351.3	353.2	355.0	357.8	361.5
25°	342.9	342.9	342.9	342.9	343.9	343.9	345.7	347.6	349.5	353.2	356.9
27.5°	336.4	336.4	336.4	335.5	337.4	338.3	339.2	342.0	343.9	348.5	352.2
30°	328.1	328.1	328.1	329.0	329.9	330.9	332.7	335.5	337.4	342.0	346.7
32.5°	319.7	319.7	319.7	319.7	322.5	323.4	324.4	327.1	330.9	335.5	340.2
35°	310.4	310.4	310.4	311.3	313.2	314.1	316.0	318.8	322.5	327.1	331.8
37.5°	300.2	301.1	301.1	302.1	303.9	305.8	307.6	310.4	314.1	318.8	323.4
40°	289.0	290.0	290.0	290.9	292.8	294.6	296.5	300.2	303.9	308.6	313.2
42.5°	277.9	278.8	278.8	280.7	282.5	284.4	286.3	290.0	293.7	298.3	302.1
45°	265.8	266.7	266.7	268.6	271.4	272.3	275.1	278.8	282.5	286.3	290.0
47.5°	252.8	253.7	253.7	255.6	258.4	260.2	262.1	265.8	268.6	273.2	277.0
50°	237.9	238.9	239.8	241.6	245.4	247.2	249.1	251.9	255.6	258.4	262.1
52.5°	224.0	224.0	224.9	226.8	229.6	231.4	232.3	235.1	239.8	243.5	247.2
55°	208.2	209.1	210.0	211.9	214.7	216.5	217.5	220.3	223.1	225.8	229.6
57.5°	194.2	194.2	195.2	197.0	199.8	200.7	201.7	203.5	207.3	210.0	212.8
60°	177.5	178.4	179.4	181.2	183.1	184.9	184.9	187.7	190.5	193.3	195.2
62.5°	162.6	162.6	163.6	165.4	166.4	168.2	168.2	171.0	172.9	175.7	177.5
65°	145.0	145.9	146.8	147.8	149.6	149.6	150.6	152.4	154.3	156.1	158.9
67.5°	129.2	129.2	130.1	131.0	132.0	132.0	132.9	134.8	136.6	138.5	140.3
70°	111.5	112.5	112.5	112.5	113.4	114.3	115.2	116.2	118.0	119.0	120.8
72.5°	93.9	93.9	94.8	94.8	95.7	96.7	97.6	98.5	99.4	101.3	102.2
75°	76.2	76.2	77.1	77.1	78.1	78.1	78.1	79.9	80.9	82.7	83.6
77.5°	58.6	59.5	59.5	59.5	60.4	61.3	61.3	62.3	64.1	65.1	66.0
80°	42.8	42.8	42.8	42.8	43.7	44.6	45.5	45.5	47.4	49.3	50.2
82.5°	27.0	27.0	27.9	28.8	28.8	29.7	30.7	31.6	33.5	34.4	35.3
85°	13.9	13.9	14.9	15.8	16.7	17.7	17.7	18.6	20.4	22.3	23.2
87.5°	4.6	5.6	5.6	6.5	7.4	8.4	9.3	10.2	12.1	13.9	14.9
90°	0.9	0.9	0.9	1.9	2.8	2.8	3.7	4.6	5.6	6.5	8.4
92.5°	8.4	8.4	7.4	8.4	8.4	8.4	8.4	9.3	10.2	10.2	12.1
95°	25.1	24.2	24.2	24.2	24.2	24.2	24.2	25.1	26.0	26.0	27.0
97.5°	48.3	48.3	47.4	47.4	48.3	48.3	48.3	49.3	51.1	50.2	52.0
100°	75.3	75.3	74.4	75.3	76.2	77.1	79.0	79.0	80.9	80.9	83.6
102.5°	106.0	106.0	105.0	106.9	107.8	109.7	109.7	111.5	114.3	114.3	118.0
105°	136.6	137.5	137.5	139.4	141.3	143.1	143.1	145.9	149.6	149.6	154.3
107.5°	170.1	171.0	171.0	172.9	174.7	176.6	177.5	181.2	184.9	185.9	191.5
110°	202.6	203.5	204.5	206.3	208.2	211.0	212.8	216.5	221.2	223.1	227.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	233.3	237.0	237.9	240.7	243.5	246.3	248.1	252.8	258.4	261.2	266.7
115°	268.6	270.5	271.4	274.2	277.9	280.7	282.5	287.2	292.8	296.5	303.0
117.5°	297.4	302.1	303.0	305.8	309.5	312.3	314.1	319.7	326.2	330.9	337.4
120°	328.1	331.8	335.5	337.4	340.2	343.9	345.7	351.3	358.7	363.4	370.8
122.5°	356.0	359.7	363.4	366.2	369.9	371.8	374.5	381.0	388.5	394.1	401.5
125°	383.8	388.5	391.3	394.1	398.7	400.6	403.4	409.9	417.3	423.8	431.2
127.5°	410.8	413.6	418.2	420.1	424.7	426.6	429.4	436.8	444.2	450.8	458.2
130°	435.9	439.6	443.3	444.2	449.8	452.6	455.4	461.9	470.3	476.8	484.2
132.5°	460.0	461.9	466.6	469.3	474.0	476.8	479.6	485.1	493.5	500.0	507.4
135°	482.4	484.2	489.8	492.6	495.4	498.2	501.9	507.4	515.8	522.3	529.8
137.5°	504.7	506.5	512.1	514.9	516.7	519.5	522.3	527.9	536.3	542.8	549.3
140°	525.1	527.0	530.7	534.4	536.3	538.1	540.9	546.5	553.9	560.4	566.9
142.5°	543.7	545.6	549.3	553.0	555.8	555.8	558.6	563.2	571.6	578.1	583.7
145°	561.4	562.3	566.0	569.7	573.4	573.4	574.4	579.0	586.4	593.9	599.5
147.5°	578.1	579.0	581.8	585.5	588.3	589.2	591.1	593.0	600.4	607.8	614.3
150°	593.0	593.9	595.7	599.5	601.3	603.2	605.0	606.0	611.5	618.0	625.5
152.5°	606.0	606.9	608.8	611.5	613.4	615.3	617.1	619.9	622.7	629.2	633.8
155°	619.0	619.9	620.8	623.6	625.5	626.4	627.3	631.1	633.8	637.6	642.2
157.5°	630.1	630.1	631.1	632.9	634.8	634.8	635.7	639.4	642.2	645.9	648.7
160°	639.4	639.4	640.3	642.2	642.2	643.1	644.1	646.9	648.7	653.4	657.1
162.5°	647.8	646.9	647.8	648.7	648.7	648.7	649.6	651.5	654.3	658.0	661.7
165°	654.3	654.3	654.3	655.2	655.2	654.3	654.3	656.1	658.0	660.8	663.6
167.5°	659.9	659.9	658.9	659.9	658.9	658.9	658.0	658.9	659.9	662.7	664.5
170°	664.5	663.6	663.6	663.6	662.7	661.7	661.7	661.7	661.7	663.6	665.4
172.5°	668.2	667.3	666.4	666.4	664.5	663.6	663.6	662.7	662.7	663.6	664.5
175°	669.2	668.2	667.3	667.3	665.4	664.5	663.6	663.6	662.7	663.6	664.5
177.5°	671.0	670.1	668.2	668.2	666.4	664.5	664.5	663.6	662.7	663.6	663.6
180°	661.7	661.7	661.7	661.7	661.7	661.7	661.7	661.7	661.7	661.7	661.7



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CATALOG NUMBER: I3-FL-40L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	370.8	370.8	370.8	370.8	370.8	370.8	370.8	370.8	370.8	370.8
2.5°	372.7	372.7	371.8	370.8	370.8	369.9	369.0	368.0	367.1	366.2
5°	372.7	371.8	370.8	370.8	369.9	369.9	369.9	369.0	368.0	368.0
7.5°	372.7	372.7	371.8	370.8	370.8	370.8	370.8	370.8	369.9	369.9
10°	372.7	371.8	371.8	371.8	370.8	371.8	371.8	370.8	370.8	369.9
12.5°	371.8	371.8	371.8	371.8	371.8	371.8	371.8	371.8	371.8	370.8
15°	369.9	370.8	370.8	371.8	371.8	371.8	372.7	372.7	371.8	371.8
17.5°	369.0	369.9	370.8	371.8	371.8	371.8	372.7	372.7	372.7	372.7
20°	367.1	368.0	369.0	369.9	369.9	370.8	370.8	371.8	371.8	371.8
22.5°	363.4	364.3	366.2	367.1	368.0	369.0	369.9	369.9	369.9	369.9
25°	359.7	361.5	362.5	364.3	365.3	366.2	367.1	367.1	367.1	368.0
27.5°	355.0	356.9	359.7	360.6	361.5	362.5	363.4	364.3	364.3	364.3
30°	349.5	352.2	354.1	356.0	356.9	357.8	358.7	358.7	359.7	359.7
32.5°	342.9	345.7	347.6	349.5	350.4	351.3	353.2	353.2	354.1	354.1
35°	334.6	337.4	340.2	342.0	342.9	343.9	345.7	346.7	346.7	346.7
37.5°	326.2	329.0	331.8	334.6	335.5	336.4	338.3	338.3	339.2	339.2
40°	316.0	318.8	321.6	324.4	324.4	326.2	327.1	328.1	329.0	329.0
42.5°	305.8	308.6	310.4	313.2	314.1	315.1	316.0	317.9	317.9	318.8
45°	293.7	296.5	298.3	301.1	302.1	303.0	304.8	305.8	306.7	306.7
47.5°	280.7	282.5	284.4	287.2	289.0	290.0	290.9	291.8	292.8	291.8
50°	265.8	267.7	270.5	273.2	274.2	275.1	277.0	277.0	277.9	277.9
52.5°	250.0	252.8	254.7	257.4	258.4	259.3	261.2	261.2	262.1	262.1
55°	232.3	234.2	236.1	240.7	241.6	242.6	244.4	244.4	245.4	246.3
57.5°	215.6	216.5	219.3	221.2	223.1	223.1	224.0	224.9	225.8	225.8
60°	198.0	198.9	200.7	203.5	203.5	204.5	206.3	206.3	207.3	207.3
62.5°	179.4	181.2	183.1	185.9	184.9	185.9	187.7	187.7	188.7	188.7
65°	160.8	161.7	163.6	165.4	166.4	166.4	167.3	168.2	169.1	169.1
67.5°	141.3	143.1	144.1	146.8	145.9	146.8	147.8	147.8	148.7	148.7
70°	122.7	123.6	125.5	126.4	126.4	127.3	128.3	128.3	128.3	129.2
72.5°	104.1	105.0	106.0	106.9	106.9	107.8	108.7	108.7	109.7	109.7
75°	84.6	86.4	87.4	89.2	88.3	89.2	91.1	91.1	91.1	91.1
77.5°	67.8	68.8	70.6	71.6	71.6	71.6	73.4	72.5	73.4	73.4
80°	51.1	52.0	53.9	54.8	54.8	55.8	56.7	56.7	56.7	57.6
82.5°	36.2	38.1	40.0	40.9	40.9	41.8	42.8	42.8	43.7	43.7
85°	25.1	27.0	28.8	28.8	29.7	30.7	31.6	31.6	31.6	31.6
87.5°	16.7	17.7	18.6	19.5	20.4	20.4	21.4	21.4	22.3	22.3
90°	9.3	10.2	11.2	12.1	12.1	13.0	13.0	13.9	13.9	13.9
92.5°	13.0	13.0	13.9	14.9	14.9	14.9	14.9	15.8	15.8	15.8
95°	27.9	28.8	28.8	30.7	30.7	30.7	31.6	31.6	31.6	31.6
97.5°	53.9	53.9	53.9	55.8	55.8	55.8	56.7	56.7	56.7	57.6
100°	84.6	85.5	85.5	88.3	87.4	89.2	89.2	89.2	89.2	90.2
102.5°	119.0	120.8	121.8	124.5	124.5	124.5	126.4	125.5	126.4	126.4
105°	156.1	158.0	158.9	161.7	163.6	163.6	165.4	164.5	165.4	166.4
107.5°	193.3	196.1	198.0	200.7	202.6	203.5	203.5	204.5	205.4	206.3
110°	231.4	234.2	238.9	241.6	242.6	244.4	245.4	246.3	247.2	249.1



TEST NUMBER: P395566

CATALOG NUMBER: I3-FL-40L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	271.4	274.2	277.9	281.6	280.7	283.5	285.3	286.3	287.2	286.3
115°	307.6	311.3	315.1	318.8	318.8	320.6	324.4	325.3	325.3	327.1
117.5°	342.0	346.7	350.4	354.1	355.0	356.9	359.7	362.5	362.5	364.3
120°	375.5	381.0	384.8	388.5	390.3	391.3	394.1	397.8	397.8	397.8
122.5°	407.1	411.7	416.4	420.1	421.9	423.8	425.7	430.3	430.3	432.2
125°	436.8	442.4	447.0	450.8	452.6	454.5	458.2	461.0	461.9	461.9
127.5°	464.7	470.3	474.9	479.6	480.5	482.4	486.1	489.8	490.7	491.6
130°	490.7	496.3	500.9	505.6	507.4	508.4	513.0	515.8	517.7	518.6
132.5°	514.0	519.5	524.2	528.8	530.7	532.5	535.3	540.0	540.9	540.9
135°	535.3	540.9	545.6	551.1	552.1	553.9	557.6	560.4	562.3	563.2
137.5°	554.8	560.4	566.0	570.6	572.5	573.4	577.2	580.9	582.7	583.7
140°	572.5	578.1	583.7	587.4	588.3	591.1	593.9	597.6	599.5	600.4
142.5°	589.2	593.9	598.5	603.2	604.1	606.0	608.8	612.5	614.3	615.3
145°	604.1	608.8	612.5	616.2	617.1	619.0	621.8	624.6	626.4	627.3
147.5°	618.0	621.8	625.5	628.3	629.2	631.1	632.9	634.8	636.6	637.6
150°	630.1	632.0	635.7	637.6	638.5	640.3	642.2	644.1	645.9	646.9
152.5°	639.4	642.2	644.1	646.9	647.8	648.7	650.6	652.4	654.3	654.3
155°	646.9	649.6	651.5	654.3	655.2	656.1	658.0	658.9	660.8	660.8
157.5°	652.4	655.2	657.1	658.9	659.9	660.8	661.7	663.6	665.4	665.4
160°	658.9	659.9	660.8	662.7	662.7	663.6	664.5	665.4	667.3	667.3
162.5°	664.5	665.4	663.6	664.5	663.6	664.5	665.4	666.4	667.3	667.3
165°	666.4	668.2	667.3	668.2	668.2	668.2	668.2	669.2	669.2	669.2
167.5°	666.4	668.2	667.3	667.3	668.2	668.2	669.2	670.1	670.1	670.1
170°	666.4	667.3	666.4	665.4	666.4	666.4	666.4	667.3	667.3	667.3
172.5°	665.4	666.4	664.5	663.6	663.6	663.6	662.7	662.7	661.7	661.7
175°	664.5	664.5	662.7	661.7	661.7	661.7	659.9	658.9	658.0	657.1
177.5°	663.6	663.6	660.8	659.9	659.9	658.9	658.9	657.1	657.1	656.1
180°	661.7	661.7	661.7	661.7	661.7	661.7	661.7	661.7	661.7	661.7

(END OF REPORT)