

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: P395582

Luminaire Tested: **I3-FL-50L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395582
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-50L92765-1D-UNV-W2A-W-4 (3000K)
Description: CORELITE I3, FROSTED TOP COVER
5000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3712.5 lumens
Efficiency: N/A
Efficacy: 105.5 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

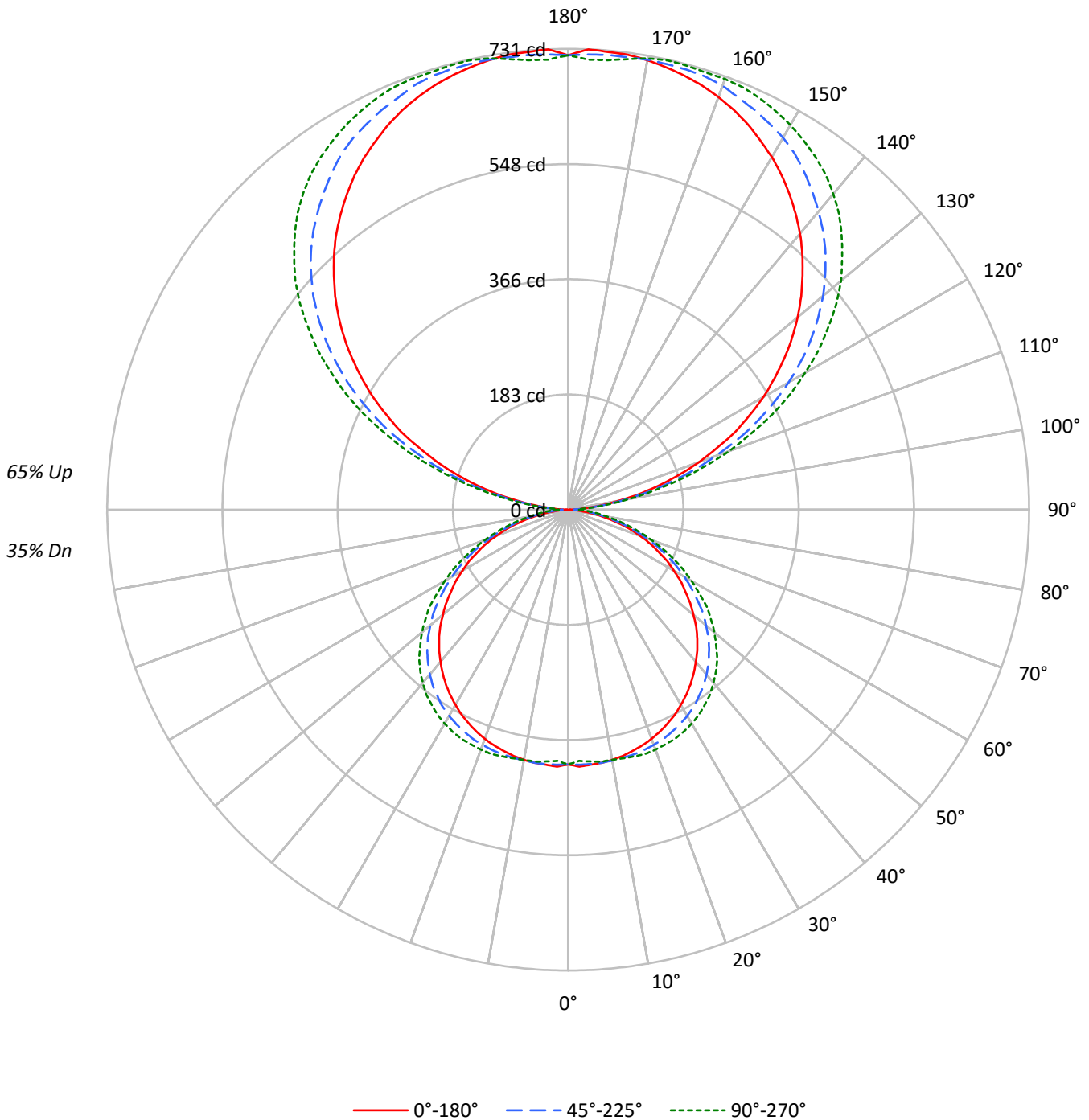
Input Watts (W): 35.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2220	2220	2220
5°	2232	2184	2149
10°	2232	2153	2124
15°	2227	2135	2116
20°	2227	2117	2113
25°	2222	2098	2104
30°	2214	2078	2085
35°	2203	2044	2054
40°	2182	2002	2010
45°	2158	1940	1948
50°	2109	1854	1852
55°	2049	1737	1742
60°	1980	1600	1574
65°	1882	1434	1398
70°	1748	1222	1180
75°	1521	971	939
80°	1188	691	688
85°	645	395	451



TEST NUMBER: P395582

CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (3000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.5	1.0
10°-20°	113.3	3.1
20°-30°	178.6	4.8
30°-40°	224.5	6.0
40°-50°	241.4	6.5
50°-60°	222.1	6.0
60°-70°	170.1	4.6
70°-80°	96.9	2.6
80°-90°	30.3	0.8
90°-100°	40.4	1.1
100°-110°	175.9	4.7
110°-120°	322.1	8.7
120°-130°	415.2	11.2
130°-140°	441.8	11.9
140°-150°	406.5	10.9
150°-160°	322.0	8.7
160°-170°	203.9	5.5
170°-180°	69.0	1.9
0°-30°	330.4	8.9
0°-40°	554.9	14.9
0°-60°	1018.4	27.4
0°-90°	1315.7	35.4
90°-120°	538.5	14.5
90°-150°	1801.9	48.5
90°-180°	2397.0	64.6
0°-180°	3712.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	404	404	404	404	404	
5°	406	402	405	403	401	39
15°	396	394	402	405	405	112
25°	374	375	389	398	401	172
35°	338	342	361	374	378	211
45°	290	297	316	329	334	223
55°	227	236	250	263	268	203
65°	158	163	173	181	184	157
75°	83	85	91	96	99	88
85°	15	19	25	32	34	19
90°	1	3	9	13	15	2
95°	27	26	29	33	34	34
105°	149	156	168	178	181	158
115°	293	306	330	347	356	287
125°	418	436	470	493	503	373
135°	525	543	577	601	614	405
145°	612	625	653	672	683	383
155°	674	682	700	714	720	311
165°	713	713	723	728	729	201
175°	729	724	724	721	716	69
180°	721	721	721	721	721	



TEST NUMBER: P395582

CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	403.9	403.9	403.9	403.9	403.9	403.9	403.9	403.9	403.9	403.9	403.9
2.5°	408.0	407.0	406.0	403.9	403.9	402.9	402.9	402.9	402.9	403.9	405.0
5°	406.0	406.0	405.0	402.9	402.9	401.9	401.9	402.9	401.9	402.9	405.0
7.5°	405.0	405.0	403.9	401.9	401.9	401.9	401.9	401.9	401.9	402.9	405.0
10°	402.9	402.9	400.9	399.9	399.9	399.9	399.9	400.9	400.9	401.9	403.9
12.5°	399.9	398.9	397.9	396.9	396.9	396.9	397.9	398.9	398.9	400.9	402.9
15°	395.8	395.8	394.8	393.8	393.8	393.8	394.8	395.8	396.9	398.9	401.9
17.5°	391.8	391.8	390.8	390.8	390.8	390.8	391.8	392.8	394.8	396.9	399.9
20°	386.7	386.7	385.7	385.7	385.7	386.7	386.7	388.8	390.8	393.8	396.9
22.5°	380.7	380.7	380.7	379.6	380.7	381.7	382.7	384.7	386.7	389.8	393.8
25°	373.6	373.6	373.6	373.6	374.6	374.6	376.6	378.6	380.7	384.7	388.8
27.5°	366.5	366.5	366.5	365.5	367.5	368.5	369.5	372.6	374.6	379.6	383.7
30°	357.4	357.4	357.4	358.4	359.4	360.4	362.4	365.5	367.5	372.6	377.6
32.5°	348.3	348.3	348.3	348.3	351.3	352.3	353.3	356.4	360.4	365.5	370.5
35°	338.1	338.1	338.1	339.2	341.2	342.2	344.2	347.3	351.3	356.4	361.4
37.5°	327.0	328.0	328.0	329.0	331.1	333.1	335.1	338.1	342.2	347.3	352.3
40°	314.9	315.9	315.9	316.9	318.9	320.9	323.0	327.0	331.1	336.1	341.2
42.5°	302.7	303.7	303.7	305.7	307.8	309.8	311.8	315.9	319.9	325.0	329.0
45°	289.5	290.6	290.6	292.6	295.6	296.6	299.7	303.7	307.8	311.8	315.9
47.5°	275.4	276.4	276.4	278.4	281.4	283.5	285.5	289.5	292.6	297.6	301.7
50°	259.2	260.2	261.2	263.2	267.3	269.3	271.3	274.4	278.4	281.4	285.5
52.5°	244.0	244.0	245.0	247.0	250.1	252.1	253.1	256.1	261.2	265.2	269.3
55°	226.8	227.8	228.8	230.8	233.9	235.9	236.9	239.9	243.0	246.0	250.1
57.5°	211.6	211.6	212.6	214.6	217.7	218.7	219.7	221.7	225.8	228.8	231.8
60°	193.4	194.4	195.4	197.4	199.4	201.5	201.5	204.5	207.5	210.6	212.6
62.5°	177.2	177.2	178.2	180.2	181.2	183.2	183.2	186.3	188.3	191.3	193.4
65°	157.9	158.9	160.0	161.0	163.0	163.0	164.0	166.0	168.1	170.1	173.1
67.5°	140.7	140.7	141.7	142.7	143.8	143.8	144.8	146.8	148.8	150.8	152.9
70°	121.5	122.5	122.5	122.5	123.5	124.5	125.5	126.5	128.6	129.6	131.6
72.5°	102.3	102.3	103.3	103.3	104.3	105.3	106.3	107.3	108.3	110.4	111.4
75°	83.0	83.0	84.0	84.0	85.0	85.0	85.0	87.1	88.1	90.1	91.1
77.5°	63.8	64.8	64.8	64.8	65.8	66.8	66.8	67.8	69.9	70.9	71.9
80°	46.6	46.6	46.6	46.6	47.6	48.6	49.6	49.6	51.6	53.7	54.7
82.5°	29.4	29.4	30.4	31.4	31.4	32.4	33.4	34.4	36.4	37.5	38.5
85°	15.2	15.2	16.2	17.2	18.2	19.2	19.2	20.2	22.3	24.3	25.3
87.5°	5.1	6.1	6.1	7.1	8.1	9.1	10.1	11.1	13.2	15.2	16.2
90°	1.0	1.0	1.0	2.0	3.0	3.0	4.0	5.1	6.1	7.1	9.1
92.5°	9.1	9.1	8.1	9.1	9.1	9.1	9.1	10.1	11.1	11.1	13.2
95°	27.3	26.3	26.3	26.3	26.3	26.3	26.3	27.3	28.3	28.3	29.4
97.5°	52.6	52.6	51.6	51.6	52.6	52.6	52.6	53.7	55.7	54.7	56.7
100°	82.0	82.0	81.0	82.0	83.0	84.0	86.1	86.1	88.1	88.1	91.1
102.5°	115.4	115.4	114.4	116.4	117.4	119.5	119.5	121.5	124.5	124.5	128.6
105°	148.8	149.8	149.8	151.9	153.9	155.9	155.9	158.9	163.0	163.0	168.1
107.5°	185.3	186.3	186.3	188.3	190.3	192.4	193.4	197.4	201.5	202.5	208.6
110°	220.7	221.7	222.7	224.8	226.8	229.8	231.8	235.9	240.9	243.0	248.0



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CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	254.1	258.2	259.2	262.2	265.2	268.3	270.3	275.4	281.4	284.5	290.6
115°	292.6	294.6	295.6	298.7	302.7	305.7	307.8	312.8	318.9	323.0	330.0
117.5°	324.0	329.0	330.0	333.1	337.1	340.2	342.2	348.3	355.3	360.4	367.5
120°	357.4	361.4	365.5	367.5	370.5	374.6	376.6	382.7	390.8	395.8	403.9
122.5°	387.7	391.8	395.8	398.9	402.9	405.0	408.0	415.1	423.2	429.3	437.4
125°	418.1	423.2	426.2	429.3	434.3	436.3	439.4	446.5	454.6	461.7	469.8
127.5°	447.5	450.5	455.6	457.6	462.7	464.7	467.7	475.8	483.9	491.0	499.1
130°	474.8	478.9	482.9	483.9	490.0	493.0	496.1	503.2	512.3	519.4	527.5
132.5°	501.1	503.2	508.2	511.3	516.3	519.4	522.4	528.5	537.6	544.7	552.8
135°	525.4	527.5	533.5	536.6	539.6	542.6	546.7	552.8	561.9	569.0	577.1
137.5°	549.7	551.8	557.8	560.9	562.9	565.9	569.0	575.0	584.2	591.2	598.3
140°	572.0	574.0	578.1	582.1	584.2	586.2	589.2	595.3	603.4	610.5	617.6
142.5°	592.2	594.3	598.3	602.4	605.4	605.4	608.4	613.5	622.6	629.7	635.8
145°	611.5	612.5	616.5	620.6	624.6	624.6	625.7	630.7	638.8	646.9	653.0
147.5°	629.7	630.7	633.8	637.8	640.8	641.9	643.9	645.9	654.0	662.1	669.2
150°	645.9	646.9	648.9	653.0	655.0	657.0	659.1	660.1	666.2	673.2	681.3
152.5°	660.1	661.1	663.1	666.2	668.2	670.2	672.2	675.3	678.3	685.4	690.5
155°	674.3	675.3	676.3	679.3	681.3	682.4	683.4	687.4	690.5	694.5	699.6
157.5°	686.4	686.4	687.4	689.4	691.5	691.5	692.5	696.5	699.6	703.6	706.7
160°	696.5	696.5	697.5	699.6	699.6	700.6	701.6	704.6	706.7	711.7	715.8
162.5°	705.6	704.6	705.6	706.7	706.7	706.7	707.7	709.7	712.7	716.8	720.8
165°	712.7	712.7	712.7	713.7	713.7	712.7	712.7	714.7	716.8	719.8	722.8
167.5°	718.8	718.8	717.8	718.8	717.8	717.8	716.8	717.8	718.8	721.8	723.9
170°	723.9	722.8	722.8	722.8	721.8	720.8	720.8	720.8	720.8	722.8	724.9
172.5°	727.9	726.9	725.9	725.9	723.9	722.8	722.8	721.8	721.8	722.8	723.9
175°	728.9	727.9	726.9	726.9	724.9	723.9	722.8	722.8	721.8	722.8	723.9
177.5°	730.9	729.9	727.9	727.9	725.9	723.9	723.9	722.8	721.8	722.8	722.8
180°	720.8	720.8	720.8	720.8	720.8	720.8	720.8	720.8	720.8	720.8	720.8



TEST NUMBER: P395582

CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	403.9	403.9	403.9	403.9	403.9	403.9	403.9	403.9	403.9	403.9
2.5°	406.0	406.0	405.0	403.9	403.9	402.9	401.9	400.9	399.9	398.9
5°	406.0	405.0	403.9	403.9	402.9	402.9	402.9	401.9	400.9	400.9
7.5°	406.0	406.0	405.0	403.9	403.9	403.9	403.9	403.9	402.9	402.9
10°	406.0	405.0	405.0	405.0	403.9	405.0	405.0	403.9	403.9	402.9
12.5°	405.0	405.0	405.0	405.0	405.0	405.0	405.0	405.0	405.0	403.9
15°	402.9	403.9	403.9	405.0	405.0	405.0	406.0	406.0	405.0	405.0
17.5°	401.9	402.9	403.9	405.0	405.0	405.0	406.0	406.0	406.0	406.0
20°	399.9	400.9	401.9	402.9	402.9	403.9	403.9	405.0	405.0	405.0
22.5°	395.8	396.9	398.9	399.9	400.9	401.9	402.9	402.9	402.9	402.9
25°	391.8	393.8	394.8	396.9	397.9	398.9	399.9	399.9	399.9	400.9
27.5°	386.7	388.8	391.8	392.8	393.8	394.8	395.8	396.9	396.9	396.9
30°	380.7	383.7	385.7	387.7	388.8	389.8	390.8	390.8	391.8	391.8
32.5°	373.6	376.6	378.6	380.7	381.7	382.7	384.7	384.7	385.7	385.7
35°	364.5	367.5	370.5	372.6	373.6	374.6	376.6	377.6	377.6	377.6
37.5°	355.3	358.4	361.4	364.5	365.5	366.5	368.5	368.5	369.5	369.5
40°	344.2	347.3	350.3	353.3	353.3	355.3	356.4	357.4	358.4	358.4
42.5°	333.1	336.1	338.1	341.2	342.2	343.2	344.2	346.2	346.2	347.3
45°	319.9	323.0	325.0	328.0	329.0	330.0	332.1	333.1	334.1	334.1
47.5°	305.7	307.8	309.8	312.8	314.9	315.9	316.9	317.9	318.9	317.9
50°	289.5	291.6	294.6	297.6	298.7	299.7	301.7	301.7	302.7	302.7
52.5°	272.3	275.4	277.4	280.4	281.4	282.5	284.5	284.5	285.5	285.5
55°	253.1	255.1	257.1	262.2	263.2	264.2	266.3	266.3	267.3	268.3
57.5°	234.9	235.9	238.9	240.9	243.0	243.0	244.0	245.0	246.0	246.0
60°	215.6	216.7	218.7	221.7	221.7	222.7	224.8	224.8	225.8	225.8
62.5°	195.4	197.4	199.4	202.5	201.5	202.5	204.5	204.5	205.5	205.5
65°	175.1	176.2	178.2	180.2	181.2	181.2	182.2	183.2	184.3	184.3
67.5°	153.9	155.9	156.9	160.0	158.9	160.0	161.0	161.0	162.0	162.0
70°	133.6	134.6	136.7	137.7	137.7	138.7	139.7	139.7	139.7	140.7
72.5°	113.4	114.4	115.4	116.4	116.4	117.4	118.4	118.4	119.5	119.5
75°	92.1	94.2	95.2	97.2	96.2	97.2	99.2	99.2	99.2	99.2
77.5°	73.9	74.9	76.9	78.0	78.0	78.0	80.0	79.0	80.0	80.0
80°	55.7	56.7	58.7	59.7	59.7	60.7	61.8	61.8	61.8	62.8
82.5°	39.5	41.5	43.5	44.5	44.5	45.6	46.6	46.6	47.6	47.6
85°	27.3	29.4	31.4	31.4	32.4	33.4	34.4	34.4	34.4	34.4
87.5°	18.2	19.2	20.2	21.3	22.3	22.3	23.3	23.3	24.3	24.3
90°	10.1	11.1	12.1	13.2	13.2	14.2	14.2	15.2	15.2	15.2
92.5°	14.2	14.2	15.2	16.2	16.2	16.2	16.2	17.2	17.2	17.2
95°	30.4	31.4	31.4	33.4	33.4	33.4	34.4	34.4	34.4	34.4
97.5°	58.7	58.7	58.7	60.7	60.7	60.7	61.8	61.8	61.8	62.8
100°	92.1	93.1	93.1	96.2	95.2	97.2	97.2	97.2	97.2	98.2
102.5°	129.6	131.6	132.6	135.7	135.7	135.7	137.7	136.7	137.7	137.7
105°	170.1	172.1	173.1	176.2	178.2	178.2	180.2	179.2	180.2	181.2
107.5°	210.6	213.6	215.6	218.7	220.7	221.7	221.7	222.7	223.7	224.8
110°	252.1	255.1	260.2	263.2	264.2	266.3	267.3	268.3	269.3	271.3



TEST NUMBER: P395582

CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	295.6	298.7	302.7	306.8	305.7	308.8	310.8	311.8	312.8	311.8
115°	335.1	339.2	343.2	347.3	347.3	349.3	353.3	354.3	354.3	356.4
117.5°	372.6	377.6	381.7	385.7	386.7	388.8	391.8	394.8	394.8	396.9
120°	409.0	415.1	419.1	423.2	425.2	426.2	429.3	433.3	433.3	433.3
122.5°	443.4	448.5	453.6	457.6	459.6	461.7	463.7	468.7	468.7	470.8
125°	475.8	481.9	487.0	491.0	493.0	495.1	499.1	502.1	503.2	503.2
127.5°	506.2	512.3	517.3	522.4	523.4	525.4	529.5	533.5	534.5	535.6
130°	534.5	540.6	545.7	550.7	552.8	553.8	558.8	561.9	563.9	564.9
132.5°	559.9	565.9	571.0	576.1	578.1	580.1	583.1	588.2	589.2	589.2
135°	583.1	589.2	594.3	600.3	601.4	603.4	607.4	610.5	612.5	613.5
137.5°	604.4	610.5	616.5	621.6	623.6	624.6	628.7	632.7	634.8	635.8
140°	623.6	629.7	635.8	639.8	640.8	643.9	646.9	651.0	653.0	654.0
142.5°	641.9	646.9	652.0	657.0	658.1	660.1	663.1	667.2	669.2	670.2
145°	658.1	663.1	667.2	671.2	672.2	674.3	677.3	680.3	682.4	683.4
147.5°	673.2	677.3	681.3	684.4	685.4	687.4	689.4	691.5	693.5	694.5
150°	686.4	688.4	692.5	694.5	695.5	697.5	699.6	701.6	703.6	704.6
152.5°	696.5	699.6	701.6	704.6	705.6	706.7	708.7	710.7	712.7	712.7
155°	704.6	707.7	709.7	712.7	713.7	714.7	716.8	717.8	719.8	719.8
157.5°	710.7	713.7	715.8	717.8	718.8	719.8	720.8	722.8	724.9	724.9
160°	717.8	718.8	719.8	721.8	721.8	722.8	723.9	724.9	726.9	726.9
162.5°	723.9	724.9	722.8	723.9	722.8	723.9	724.9	725.9	726.9	726.9
165°	725.9	727.9	726.9	727.9	727.9	727.9	727.9	728.9	728.9	728.9
167.5°	725.9	727.9	726.9	726.9	727.9	727.9	728.9	729.9	729.9	729.9
170°	725.9	726.9	725.9	724.9	725.9	725.9	725.9	726.9	726.9	726.9
172.5°	724.9	725.9	723.9	722.8	722.8	722.8	721.8	721.8	720.8	720.8
175°	723.9	723.9	721.8	720.8	720.8	720.8	718.8	717.8	716.8	715.8
177.5°	722.8	722.8	719.8	718.8	718.8	717.8	717.8	715.8	715.8	714.7
180°	720.8	720.8	720.8	720.8	720.8	720.8	720.8	720.8	720.8	720.8

(END OF REPORT)