

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: P395581

Luminaire Tested: **I3-FL-50L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395581
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 (2700K)
Description: CORELITE I3, FROSTED TOP COVER
5000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3571.3 lumens
Efficiency: N/A
Efficacy: 100.9 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

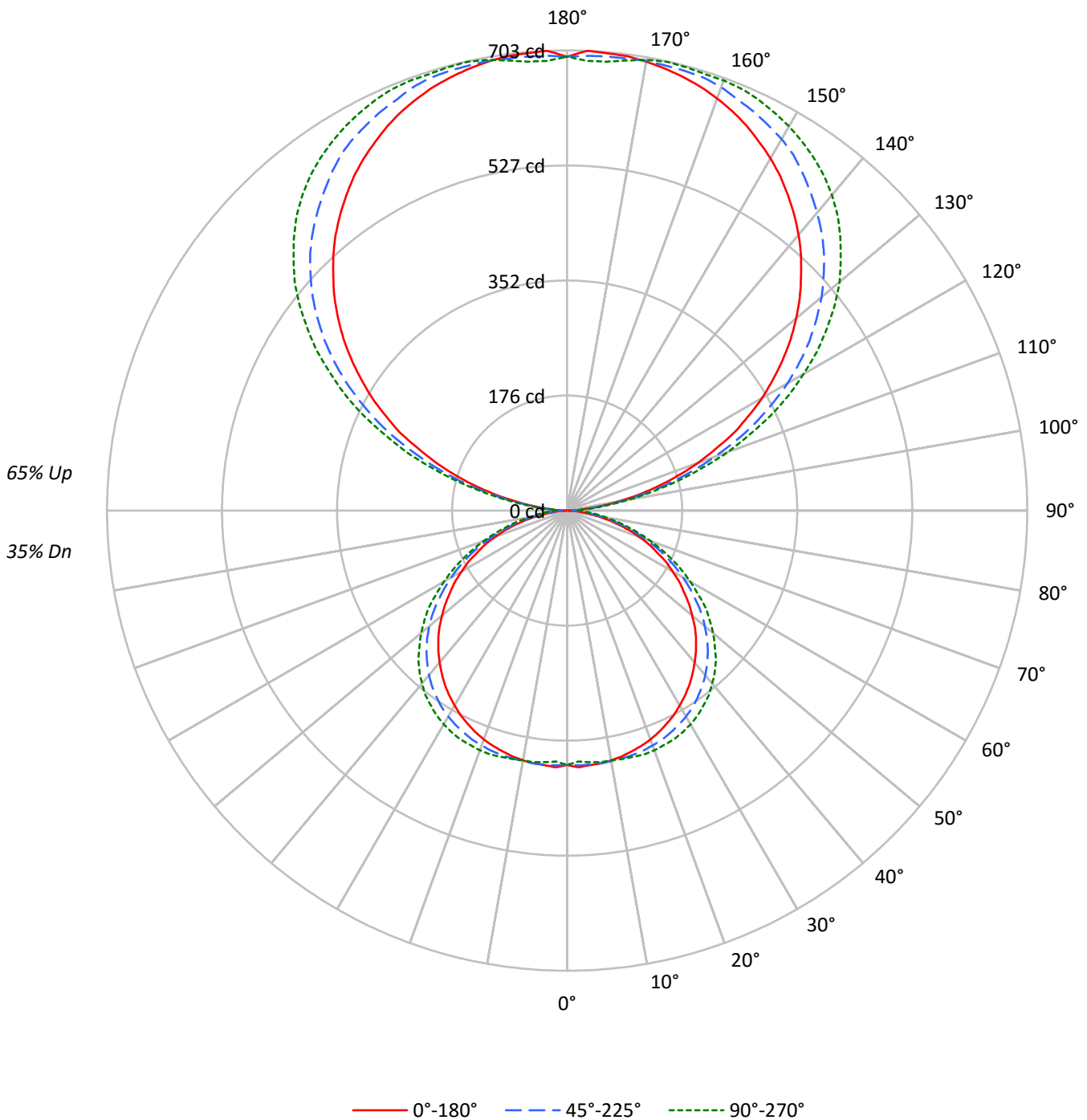
Input Watts (W): 35.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P395581

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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	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°	2136	2136	2136
5°	2147	2101	2068
10°	2147	2072	2043
15°	2142	2054	2035
20°	2143	2036	2032
25°	2137	2018	2024
30°	2130	1999	2006
35°	2120	1967	1976
40°	2098	1925	1933
45°	2076	1866	1874
50°	2029	1783	1782
55°	1971	1671	1676
60°	1904	1539	1514
65°	1810	1379	1344
70°	1682	1176	1136
75°	1464	934	903
80°	1142	664	661
85°	619	380	434



TEST NUMBER: P395581

CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (2700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.0	1.0
10°-20°	109.0	3.1
20°-30°	171.8	4.8
30°-40°	216.0	6.0
40°-50°	232.2	6.5
50°-60°	213.6	6.0
60°-70°	163.6	4.6
70°-80°	93.2	2.6
80°-90°	29.1	0.8
90°-100°	38.9	1.1
100°-110°	169.3	4.7
110°-120°	309.9	8.7
120°-130°	399.4	11.2
130°-140°	425.0	11.9
140°-150°	391.0	10.9
150°-160°	309.8	8.7
160°-170°	196.1	5.5
170°-180°	66.4	1.9
0°-30°	317.9	8.9
0°-40°	533.8	14.9
0°-60°	979.7	27.4
0°-90°	1265.6	35.4
90°-120°	518.0	14.5
90°-150°	1733.4	48.5
90°-180°	2306.0	64.6
0°-180°	3571.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	389	389	389	389	389	
5°	390	387	390	388	386	37
15°	381	379	387	390	390	108
25°	359	360	374	383	386	166
35°	325	329	348	359	363	203
45°	278	285	304	316	321	214
55°	218	227	240	253	258	196
65°	152	157	166	174	177	151
75°	80	82	88	92	95	84
85°	15	18	24	31	33	18
90°	1	3	9	13	15	2
95°	26	25	28	32	33	33
105°	143	150	162	171	174	152
115°	282	294	318	334	343	276
125°	402	420	452	474	484	359
135°	505	522	555	578	590	390
145°	588	601	628	647	657	368
155°	649	656	673	687	692	299
165°	686	686	695	700	701	194
175°	701	696	696	693	688	67
180°	693	693	693	693	693	



TEST NUMBER: P395581

CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	388.6	388.6	388.6	388.6	388.6	388.6	388.6	388.6	388.6	388.6	388.6
2.5°	392.5	391.5	390.5	388.6	388.6	387.6	387.6	387.6	387.6	388.6	389.6
5°	390.5	390.5	389.6	387.6	387.6	386.6	386.6	387.6	386.6	387.6	389.6
7.5°	389.6	389.6	388.6	386.6	386.6	386.6	386.6	386.6	386.6	387.6	389.6
10°	387.6	387.6	385.7	384.7	384.7	384.7	384.7	385.7	385.7	386.6	388.6
12.5°	384.7	383.7	382.7	381.8	381.8	381.8	382.7	383.7	383.7	385.7	387.6
15°	380.8	380.8	379.8	378.8	378.8	378.8	379.8	380.8	381.8	383.7	386.6
17.5°	376.9	376.9	375.9	375.9	375.9	375.9	376.9	377.9	379.8	381.8	384.7
20°	372.0	372.0	371.1	371.1	371.1	372.0	372.0	374.0	375.9	378.8	381.8
22.5°	366.2	366.2	366.2	365.2	366.2	367.2	368.1	370.1	372.0	374.9	378.8
25°	359.4	359.4	359.4	359.4	360.3	360.3	362.3	364.2	366.2	370.1	374.0
27.5°	352.5	352.5	352.5	351.6	353.5	354.5	355.5	358.4	360.3	365.2	369.1
30°	343.8	343.8	343.8	344.8	345.7	346.7	348.7	351.6	353.5	358.4	363.3
32.5°	335.0	335.0	335.0	335.0	337.9	338.9	339.9	342.8	346.7	351.6	356.4
35°	325.3	325.3	325.3	326.3	328.2	329.2	331.1	334.0	337.9	342.8	347.7
37.5°	314.6	315.5	315.5	316.5	318.5	320.4	322.4	325.3	329.2	334.0	338.9
40°	302.9	303.9	303.9	304.8	306.8	308.7	310.7	314.6	318.5	323.3	328.2
42.5°	291.2	292.2	292.2	294.1	296.1	298.0	300.0	303.9	307.7	312.6	316.5
45°	278.5	279.5	279.5	281.5	284.4	285.3	288.3	292.2	296.1	300.0	303.9
47.5°	264.9	265.9	265.9	267.8	270.7	272.7	274.6	278.5	281.5	286.3	290.2
50°	249.3	250.3	251.3	253.2	257.1	259.1	261.0	263.9	267.8	270.7	274.6
52.5°	234.7	234.7	235.7	237.6	240.5	242.5	243.5	246.4	251.3	255.2	259.1
55°	218.2	219.1	220.1	222.0	225.0	226.9	227.9	230.8	233.7	236.7	240.5
57.5°	203.5	203.5	204.5	206.5	209.4	210.4	211.3	213.3	217.2	220.1	223.0
60°	186.0	187.0	188.0	189.9	191.9	193.8	193.8	196.7	199.6	202.6	204.5
62.5°	170.4	170.4	171.4	173.4	174.3	176.3	176.3	179.2	181.1	184.1	186.0
65°	151.9	152.9	153.9	154.8	156.8	156.8	157.8	159.7	161.7	163.6	166.5
67.5°	135.4	135.4	136.3	137.3	138.3	138.3	139.3	141.2	143.2	145.1	147.1
70°	116.9	117.8	117.8	117.8	118.8	119.8	120.8	121.7	123.7	124.7	126.6
72.5°	98.4	98.4	99.3	99.3	100.3	101.3	102.3	103.2	104.2	106.2	107.1
75°	79.9	79.9	80.8	80.8	81.8	81.8	81.8	83.8	84.7	86.7	87.6
77.5°	61.4	62.3	62.3	62.3	63.3	64.3	64.3	65.3	67.2	68.2	69.1
80°	44.8	44.8	44.8	44.8	45.8	46.7	47.7	47.7	49.7	51.6	52.6
82.5°	28.2	28.2	29.2	30.2	30.2	31.2	32.1	33.1	35.1	36.0	37.0
85°	14.6	14.6	15.6	16.6	17.5	18.5	18.5	19.5	21.4	23.4	24.3
87.5°	4.9	5.8	5.8	6.8	7.8	8.8	9.7	10.7	12.7	14.6	15.6
90°	1.0	1.0	1.0	1.9	2.9	2.9	3.9	4.9	5.8	6.8	8.8
92.5°	8.8	8.8	7.8	8.8	8.8	8.8	8.8	9.7	10.7	10.7	12.7
95°	26.3	25.3	25.3	25.3	25.3	25.3	25.3	26.3	27.3	27.3	28.2
97.5°	50.6	50.6	49.7	49.7	50.6	50.6	50.6	51.6	53.6	52.6	54.5
100°	78.9	78.9	77.9	78.9	79.9	80.8	82.8	82.8	84.7	84.7	87.6
102.5°	111.0	111.0	110.0	112.0	113.0	114.9	114.9	116.9	119.8	119.8	123.7
105°	143.2	144.1	144.1	146.1	148.0	150.0	150.0	152.9	156.8	156.8	161.7
107.5°	178.2	179.2	179.2	181.1	183.1	185.0	186.0	189.9	193.8	194.8	200.6
110°	212.3	213.3	214.3	216.2	218.2	221.1	223.0	226.9	231.8	233.7	238.6



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CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	244.4	248.3	249.3	252.2	255.2	258.1	260.0	264.9	270.7	273.7	279.5
115°	281.5	283.4	284.4	287.3	291.2	294.1	296.1	300.9	306.8	310.7	317.5
117.5°	311.6	316.5	317.5	320.4	324.3	327.2	329.2	335.0	341.8	346.7	353.5
120°	343.8	347.7	351.6	353.5	356.4	360.3	362.3	368.1	375.9	380.8	388.6
122.5°	373.0	376.9	380.8	383.7	387.6	389.6	392.5	399.3	407.1	412.9	420.7
125°	402.2	407.1	410.0	412.9	417.8	419.7	422.7	429.5	437.3	444.1	451.9
127.5°	430.5	433.4	438.2	440.2	445.1	447.0	449.9	457.7	465.5	472.3	480.1
130°	456.8	460.6	464.5	465.5	471.4	474.3	477.2	484.0	492.8	499.6	507.4
132.5°	482.1	484.0	488.9	491.8	496.7	499.6	502.5	508.4	517.1	523.9	531.7
135°	505.4	507.4	513.2	516.2	519.1	522.0	525.9	531.7	540.5	547.3	555.1
137.5°	528.8	530.8	536.6	539.5	541.5	544.4	547.3	553.2	561.9	568.7	575.6
140°	550.2	552.2	556.1	560.0	561.9	563.9	566.8	572.6	580.4	587.3	594.1
142.5°	569.7	571.7	575.6	579.5	582.4	582.4	585.3	590.2	598.9	605.8	611.6
145°	588.2	589.2	593.1	597.0	600.9	600.9	601.9	606.7	614.5	622.3	628.2
147.5°	605.8	606.7	609.7	613.5	616.5	617.4	619.4	621.3	629.1	636.9	643.7
150°	621.3	622.3	624.3	628.2	630.1	632.1	634.0	635.0	640.8	647.6	655.4
152.5°	635.0	635.9	637.9	640.8	642.8	644.7	646.7	649.6	652.5	659.3	664.2
155°	648.6	649.6	650.6	653.5	655.4	656.4	657.4	661.3	664.2	668.1	673.0
157.5°	660.3	660.3	661.3	663.2	665.2	665.2	666.1	670.0	673.0	676.8	679.8
160°	670.0	670.0	671.0	673.0	673.0	673.9	674.9	677.8	679.8	684.6	688.5
162.5°	678.8	677.8	678.8	679.8	679.8	679.8	680.7	682.7	685.6	689.5	693.4
165°	685.6	685.6	685.6	686.6	686.6	685.6	685.6	687.6	689.5	692.4	695.4
167.5°	691.5	691.5	690.5	691.5	690.5	690.5	689.5	690.5	691.5	694.4	696.3
170°	696.3	695.4	695.4	695.4	694.4	693.4	693.4	693.4	693.4	695.4	697.3
172.5°	700.2	699.2	698.3	698.3	696.3	695.4	695.4	694.4	694.4	695.4	696.3
175°	701.2	700.2	699.2	699.2	697.3	696.3	695.4	695.4	694.4	695.4	696.3
177.5°	703.1	702.2	700.2	700.2	698.3	696.3	696.3	695.4	694.4	695.4	695.4
180°	693.4	693.4	693.4	693.4	693.4	693.4	693.4	693.4	693.4	693.4	693.4



TEST NUMBER: P395581

CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	388.6	388.6	388.6	388.6	388.6	388.6	388.6	388.6	388.6	388.6
2.5°	390.5	390.5	389.6	388.6	388.6	387.6	386.6	385.7	384.7	383.7
5°	390.5	389.6	388.6	388.6	387.6	387.6	387.6	386.6	385.7	385.7
7.5°	390.5	390.5	389.6	388.6	388.6	388.6	388.6	388.6	387.6	387.6
10°	390.5	389.6	389.6	389.6	388.6	389.6	389.6	388.6	388.6	387.6
12.5°	389.6	389.6	389.6	389.6	389.6	389.6	389.6	389.6	389.6	388.6
15°	387.6	388.6	388.6	389.6	389.6	389.6	390.5	390.5	389.6	389.6
17.5°	386.6	387.6	388.6	389.6	389.6	389.6	390.5	390.5	390.5	390.5
20°	384.7	385.7	386.6	387.6	387.6	388.6	388.6	389.6	389.6	389.6
22.5°	380.8	381.8	383.7	384.7	385.7	386.6	387.6	387.6	387.6	387.6
25°	376.9	378.8	379.8	381.8	382.7	383.7	384.7	384.7	384.7	385.7
27.5°	372.0	374.0	376.9	377.9	378.8	379.8	380.8	381.8	381.8	381.8
30°	366.2	369.1	371.1	373.0	374.0	374.9	375.9	375.9	376.9	376.9
32.5°	359.4	362.3	364.2	366.2	367.2	368.1	370.1	370.1	371.1	371.1
35°	350.6	353.5	356.4	358.4	359.4	360.3	362.3	363.3	363.3	363.3
37.5°	341.8	344.8	347.7	350.6	351.6	352.5	354.5	354.5	355.5	355.5
40°	331.1	334.0	337.0	339.9	339.9	341.8	342.8	343.8	344.8	344.8
42.5°	320.4	323.3	325.3	328.2	329.2	330.1	331.1	333.1	333.1	334.0
45°	307.7	310.7	312.6	315.5	316.5	317.5	319.4	320.4	321.4	321.4
47.5°	294.1	296.1	298.0	300.9	302.9	303.9	304.8	305.8	306.8	305.8
50°	278.5	280.5	283.4	286.3	287.3	288.3	290.2	290.2	291.2	291.2
52.5°	262.0	264.9	266.8	269.8	270.7	271.7	273.7	273.7	274.6	274.6
55°	243.5	245.4	247.4	252.2	253.2	254.2	256.1	256.1	257.1	258.1
57.5°	225.9	226.9	229.8	231.8	233.7	233.7	234.7	235.7	236.7	236.7
60°	207.4	208.4	210.4	213.3	213.3	214.3	216.2	216.2	217.2	217.2
62.5°	188.0	189.9	191.9	194.8	193.8	194.8	196.7	196.7	197.7	197.7
65°	168.5	169.5	171.4	173.4	174.3	174.3	175.3	176.3	177.2	177.2
67.5°	148.0	150.0	151.0	153.9	152.9	153.9	154.8	154.8	155.8	155.8
70°	128.6	129.5	131.5	132.4	132.4	133.4	134.4	134.4	134.4	135.4
72.5°	109.1	110.0	111.0	112.0	112.0	113.0	113.9	113.9	114.9	114.9
75°	88.6	90.6	91.5	93.5	92.5	93.5	95.4	95.4	95.4	95.4
77.5°	71.1	72.1	74.0	75.0	75.0	75.0	76.9	76.0	76.9	76.9
80°	53.6	54.5	56.5	57.5	57.5	58.4	59.4	59.4	59.4	60.4
82.5°	38.0	39.9	41.9	42.9	42.9	43.8	44.8	44.8	45.8	45.8
85°	26.3	28.2	30.2	30.2	31.2	32.1	33.1	33.1	33.1	33.1
87.5°	17.5	18.5	19.5	20.5	21.4	21.4	22.4	22.4	23.4	23.4
90°	9.7	10.7	11.7	12.7	12.7	13.6	13.6	14.6	14.6	14.6
92.5°	13.6	13.6	14.6	15.6	15.6	15.6	15.6	16.6	16.6	16.6
95°	29.2	30.2	30.2	32.1	32.1	32.1	33.1	33.1	33.1	33.1
97.5°	56.5	56.5	56.5	58.4	58.4	58.4	59.4	59.4	59.4	60.4
100°	88.6	89.6	89.6	92.5	91.5	93.5	93.5	93.5	93.5	94.5
102.5°	124.7	126.6	127.6	130.5	130.5	130.5	132.4	131.5	132.4	132.4
105°	163.6	165.6	166.5	169.5	171.4	171.4	173.4	172.4	173.4	174.3
107.5°	202.6	205.5	207.4	210.4	212.3	213.3	213.3	214.3	215.2	216.2
110°	242.5	245.4	250.3	253.2	254.2	256.1	257.1	258.1	259.1	261.0



TEST NUMBER: P395581

CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	284.4	287.3	291.2	295.1	294.1	297.0	299.0	300.0	300.9	300.0
115°	322.4	326.3	330.1	334.0	334.0	336.0	339.9	340.9	340.9	342.8
117.5°	358.4	363.3	367.2	371.1	372.0	374.0	376.9	379.8	379.8	381.8
120°	393.4	399.3	403.2	407.1	409.0	410.0	412.9	416.8	416.8	416.8
122.5°	426.6	431.4	436.3	440.2	442.1	444.1	446.0	450.9	450.9	452.9
125°	457.7	463.6	468.4	472.3	474.3	476.2	480.1	483.0	484.0	484.0
127.5°	486.9	492.8	497.7	502.5	503.5	505.4	509.3	513.2	514.2	515.2
130°	514.2	520.1	524.9	529.8	531.7	532.7	537.6	540.5	542.5	543.4
132.5°	538.6	544.4	549.3	554.1	556.1	558.0	561.0	565.8	566.8	566.8
135°	561.0	566.8	571.7	577.5	578.5	580.4	584.3	587.3	589.2	590.2
137.5°	581.4	587.3	593.1	598.0	599.9	600.9	604.8	608.7	610.6	611.6
140°	599.9	605.8	611.6	615.5	616.5	619.4	622.3	626.2	628.2	629.1
142.5°	617.4	622.3	627.2	632.1	633.0	635.0	637.9	641.8	643.7	644.7
145°	633.0	637.9	641.8	645.7	646.7	648.6	651.5	654.5	656.4	657.4
147.5°	647.6	651.5	655.4	658.3	659.3	661.3	663.2	665.2	667.1	668.1
150°	660.3	662.2	666.1	668.1	669.1	671.0	673.0	674.9	676.8	677.8
152.5°	670.0	673.0	674.9	677.8	678.8	679.8	681.7	683.7	685.6	685.6
155°	677.8	680.7	682.7	685.6	686.6	687.6	689.5	690.5	692.4	692.4
157.5°	683.7	686.6	688.5	690.5	691.5	692.4	693.4	695.4	697.3	697.3
160°	690.5	691.5	692.4	694.4	694.4	695.4	696.3	697.3	699.2	699.2
162.5°	696.3	697.3	695.4	696.3	695.4	696.3	697.3	698.3	699.2	699.2
165°	698.3	700.2	699.2	700.2	700.2	700.2	700.2	701.2	701.2	701.2
167.5°	698.3	700.2	699.2	699.2	700.2	700.2	701.2	702.2	702.2	702.2
170°	698.3	699.2	698.3	697.3	698.3	698.3	698.3	699.2	699.2	699.2
172.5°	697.3	698.3	696.3	695.4	695.4	695.4	694.4	694.4	693.4	693.4
175°	696.3	696.3	694.4	693.4	693.4	693.4	691.5	690.5	689.5	688.5
177.5°	695.4	695.4	692.4	691.5	691.5	690.5	690.5	688.5	688.5	687.6
180°	693.4	693.4	693.4	693.4	693.4	693.4	693.4	693.4	693.4	693.4

(END OF REPORT)