

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: P395426

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

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395426
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-CL-50L92765-1D-UNV-W2A-W-4 (3000K)
Description: CORELITE I3, CLEAR 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: 3763.1 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

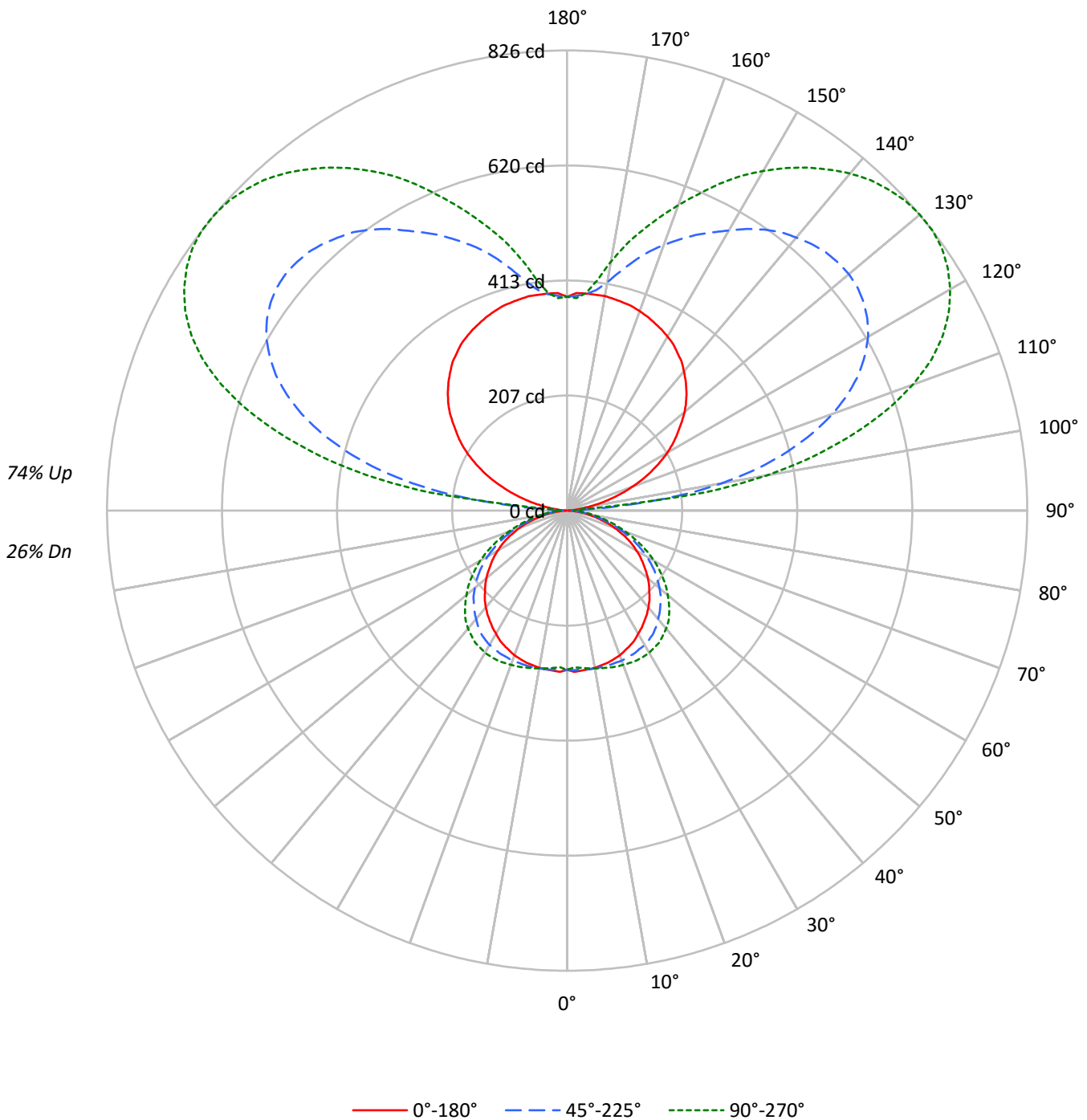
Input Watts (W): 35.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395426

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

Luminous Intensity Polar Plot





TEST NUMBER: P395426

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

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	101	101	101	101	91	91	91	91	70	70	70	51	51	51	34	34	34
1	92	88	84	81	82	79	75	73	61	59	57	45	43	42	30	29	28
2	84	77	71	65	74	68	63	59	53	50	47	39	37	35	26	25	24
3	76	67	60	54	68	60	54	49	47	42	39	34	32	29	23	21	20
4	70	59	51	45	62	53	46	41	41	37	33	30	27	25	20	18	17
5	64	52	44	39	56	47	40	35	37	32	28	27	24	21	18	16	15
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	13
7	54	42	34	29	48	38	31	26	30	25	21	22	19	16	15	13	11
8	50	38	30	25	44	34	27	23	27	22	18	20	17	14	14	11	10
9	46	34	27	22	41	31	25	20	24	20	16	18	15	13	12	10	9
10	43	31	24	20	38	28	22	18	22	18	15	17	13	11	11	9	8

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1570	1570	1570
5°	1586	1545	1520
10°	1588	1533	1516
15°	1589	1528	1523
20°	1593	1529	1537
25°	1590	1530	1557
30°	1581	1532	1569
35°	1577	1524	1570
40°	1571	1491	1550
45°	1555	1455	1511
50°	1541	1407	1444
55°	1510	1336	1361
60°	1472	1243	1256
65°	1412	1116	1113
70°	1311	950	943
75°	1133	756	757
80°	877	537	554
85°	518	333	372



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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.3	0.7
10°-20°	81.2	2.2
20°-30°	130.1	3.5
30°-40°	166.4	4.4
40°-50°	181.5	4.8
50°-60°	170.0	4.5
60°-70°	131.9	3.5
70°-80°	75.6	2.0
80°-90°	24.2	0.6
90°-100°	97.0	2.6
100°-110°	377.3	10.0
110°-120°	513.7	13.6
120°-130°	533.2	14.2
130°-140°	473.0	12.6
140°-150°	367.0	9.8
150°-160°	244.9	6.5
160°-170°	130.5	3.5
170°-180°	38.2	1.0
0°-30°	238.7	6.3
0°-40°	405.1	10.8
0°-60°	756.6	20.1
0°-90°	988.4	26.3
90°-120°	988.0	26.3
90°-150°	2361.1	62.7
90°-180°	2775.0	73.7
0°-180°	3763.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	286	286	286	286	286	
5°	289	286	287	286	284	27
15°	282	282	288	292	292	80
25°	267	269	284	294	297	123
35°	242	247	269	284	289	152
45°	209	218	237	252	259	161
55°	167	176	192	206	210	149
65°	118	124	135	144	147	117
75°	62	65	71	78	80	66
85°	12	14	21	27	28	15
90°	1	3	7	10	12	1
95°	12	69	94	19	18	16
105°	80	242	410	487	534	85
115°	167	374	577	678	744	165
125°	242	440	650	764	821	216
135°	303	464	656	770	815	233
145°	345	464	616	715	751	216
155°	372	438	546	619	647	172
165°	387	403	464	507	520	109
175°	391	389	390	392	392	37
180°	384	384	384	384	384	



TEST NUMBER: P395426

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6
2.5°	289.6	288.6	288.6	286.6	286.6	285.6	285.6	285.6	285.6	285.6	286.6
5°	288.6	288.6	287.6	286.6	286.6	285.6	285.6	285.6	285.6	285.6	286.6
7.5°	287.6	287.6	286.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6	287.6
10°	286.6	286.6	285.6	284.6	284.6	284.6	284.6	285.6	285.6	285.6	287.6
12.5°	284.6	283.5	283.5	282.5	282.5	282.5	283.5	283.5	284.6	285.6	287.6
15°	282.5	282.5	281.5	280.5	281.5	281.5	281.5	282.5	283.5	284.6	287.6
17.5°	279.5	279.5	278.5	278.5	278.5	279.5	279.5	280.5	282.5	284.6	286.6
20°	276.5	275.4	275.4	275.4	276.5	276.5	277.5	279.5	280.5	283.5	286.6
22.5°	271.4	272.4	271.4	271.4	272.4	273.4	274.4	276.5	278.5	281.5	284.6
25°	267.3	267.3	267.3	267.3	269.4	269.4	271.4	273.4	276.5	279.5	283.5
27.5°	262.3	262.3	262.3	263.3	264.3	265.3	266.3	269.4	272.4	276.5	280.5
30°	255.2	255.2	255.2	255.2	258.2	259.2	261.3	265.3	268.3	273.4	278.5
32.5°	249.1	249.1	249.1	250.1	252.1	253.2	255.2	260.2	264.3	269.4	274.4
35°	242.0	242.0	243.0	243.0	246.1	247.1	249.1	253.2	257.2	263.3	269.4
37.5°	234.9	234.9	235.9	237.0	239.0	241.0	243.0	247.1	251.1	256.2	262.3
40°	226.8	226.8	227.8	228.9	231.9	233.9	235.9	240.0	244.0	249.1	254.2
42.5°	218.7	218.7	219.7	220.8	223.8	225.8	227.8	232.9	237.0	242.0	246.1
45°	208.6	209.6	210.6	212.7	215.7	217.7	219.7	223.8	228.9	232.9	237.0
47.5°	199.5	200.5	201.5	203.5	206.6	208.6	210.6	214.7	218.7	222.8	227.8
50°	189.4	190.4	191.4	193.4	196.5	198.5	200.5	204.6	208.6	211.6	216.7
52.5°	178.2	179.2	180.2	182.3	186.3	187.3	189.4	193.4	196.5	200.5	204.6
55°	167.1	168.1	169.1	171.1	174.2	176.2	177.2	181.3	184.3	188.4	192.4
57.5°	155.9	157.0	158.0	160.0	162.0	164.0	165.1	168.1	172.1	175.2	179.2
60°	143.8	144.8	145.8	146.8	149.9	150.9	151.9	154.9	158.0	162.0	165.1
62.5°	131.6	131.6	132.7	133.7	136.7	137.7	138.7	140.8	144.8	146.8	149.9
65°	118.5	118.5	119.5	120.5	122.5	123.5	124.6	126.6	129.6	131.6	134.7
67.5°	104.3	104.3	105.3	106.3	108.4	109.4	109.4	112.4	114.4	116.5	118.5
70°	91.1	91.1	92.2	92.2	93.2	94.2	95.2	97.2	98.2	101.3	102.3
72.5°	77.0	77.0	77.0	77.0	79.0	79.0	80.0	82.0	83.0	85.1	87.1
75°	61.8	61.8	62.8	62.8	63.8	64.8	65.8	66.8	68.9	69.9	70.9
77.5°	48.6	47.6	48.6	49.6	50.6	50.6	51.6	52.7	53.7	55.7	56.7
80°	34.4	34.4	34.4	35.4	36.5	36.5	37.5	38.5	39.5	41.5	42.5
82.5°	22.3	22.3	23.3	23.3	24.3	25.3	25.3	26.3	27.3	29.4	30.4
85°	12.2	12.2	12.2	13.2	14.2	14.2	15.2	16.2	18.2	19.2	21.3
87.5°	4.1	4.1	5.1	6.1	7.1	7.1	8.1	9.1	10.1	12.2	13.2
90°	1.0	1.0	1.0	2.0	2.0	3.0	3.0	4.1	5.1	6.1	7.1
92.5°	4.1	7.1	11.1	16.2	15.2	16.2	11.1	7.1	7.1	7.1	8.1
95°	12.2	18.2	29.4	46.6	60.8	68.9	75.9	83.0	97.2	98.2	94.2
97.5°	24.3	33.4	53.7	75.9	101.3	114.4	124.6	145.8	168.1	182.3	199.5
100°	40.5	53.7	80.0	110.4	139.7	157.0	173.2	203.5	230.9	255.2	281.5
102.5°	59.7	74.9	107.3	144.8	181.3	200.5	217.7	253.2	290.6	323.0	351.4
105°	80.0	97.2	135.7	178.2	219.7	242.0	263.3	301.8	341.3	376.7	410.1
107.5°	102.3	120.5	162.0	209.6	256.2	281.5	304.8	346.3	387.8	426.3	461.8
110°	123.5	143.8	187.3	239.0	291.6	317.0	340.2	385.8	429.4	469.9	507.3



TEST NUMBER: P395426

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

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	145.8	167.1	210.6	267.3	321.0	347.3	371.6	420.2	465.8	507.3	544.8
115°	167.1	187.3	232.9	291.6	346.3	373.7	400.0	449.6	497.2	538.7	577.2
117.5°	187.3	206.6	253.2	311.9	368.6	395.9	422.3	473.9	521.5	565.1	602.5
120°	207.6	224.8	275.4	329.1	386.8	414.2	441.5	493.2	541.8	585.3	623.8
122.5°	225.8	242.0	291.6	344.3	401.0	429.4	455.7	508.3	558.0	601.5	639.0
125°	242.0	257.2	306.8	356.4	413.2	440.5	467.8	519.5	569.1	611.6	650.1
127.5°	258.2	273.4	318.0	368.6	421.3	449.6	475.9	527.6	576.2	619.7	657.2
130°	275.4	286.6	329.1	379.7	429.4	455.7	483.0	532.6	580.2	622.8	660.2
132.5°	289.6	299.7	340.2	388.9	435.4	460.8	485.1	534.7	582.3	622.8	659.2
135°	302.8	310.9	348.3	397.0	440.5	463.8	487.1	533.7	580.2	620.7	656.2
137.5°	314.9	323.0	355.4	403.0	444.5	464.8	487.1	530.6	575.2	615.7	649.1
140°	326.1	332.1	361.5	406.1	446.6	465.8	485.1	525.6	567.1	606.6	640.0
142.5°	337.2	342.3	366.6	408.1	447.6	465.8	484.0	519.5	558.0	596.4	629.9
145°	345.3	350.4	370.6	409.1	446.6	463.8	480.0	513.4	547.8	583.3	615.7
147.5°	354.4	358.5	374.7	407.1	443.5	459.7	474.9	505.3	536.7	569.1	599.5
150°	360.5	364.6	376.7	405.1	438.5	453.7	468.9	497.2	525.6	553.9	580.2
152.5°	366.6	369.6	379.7	402.0	432.4	446.6	460.8	488.1	514.4	539.7	563.0
155°	371.6	374.7	381.8	400.0	425.3	438.5	451.6	478.0	502.3	524.5	545.8
157.5°	376.7	378.7	383.8	397.0	417.2	429.4	441.5	464.8	487.1	509.4	526.6
160°	380.8	381.8	385.8	395.9	410.1	419.2	430.4	451.6	471.9	491.1	507.3
162.5°	384.8	384.8	387.8	393.9	404.0	410.1	418.2	436.4	454.7	471.9	487.1
165°	386.8	386.8	388.9	392.9	399.0	403.0	408.1	420.2	434.4	449.6	463.8
167.5°	388.9	388.9	389.9	391.9	395.9	398.0	400.0	408.1	417.2	428.3	439.5
170°	390.9	389.9	389.9	391.9	392.9	393.9	394.9	399.0	403.0	410.1	416.2
172.5°	390.9	389.9	389.9	390.9	390.9	390.9	390.9	391.9	392.9	397.0	399.0
175°	390.9	389.9	389.9	389.9	389.9	388.9	388.9	388.9	388.9	388.9	389.9
177.5°	390.9	389.9	388.9	388.9	387.8	387.8	386.8	386.8	385.8	385.8	385.8
180°	383.8	383.8	383.8	383.8	383.8	383.8	383.8	383.8	383.8	383.8	383.8



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

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6
2.5°	286.6	286.6	285.6	285.6	284.6	284.6	283.5	282.5	281.5	281.5
5°	287.6	286.6	285.6	285.6	285.6	284.6	284.6	284.6	283.5	283.5
7.5°	287.6	287.6	287.6	286.6	286.6	286.6	286.6	286.6	285.6	285.6
10°	288.6	288.6	288.6	288.6	288.6	288.6	288.6	287.6	287.6	287.6
12.5°	288.6	288.6	288.6	289.6	289.6	289.6	289.6	289.6	289.6	289.6
15°	289.6	289.6	290.6	290.6	291.6	291.6	292.7	292.7	292.7	291.6
17.5°	288.6	289.6	290.6	291.6	292.7	292.7	293.7	293.7	293.7	293.7
20°	288.6	290.6	291.6	292.7	293.7	293.7	294.7	295.7	295.7	294.7
22.5°	287.6	289.6	290.6	292.7	293.7	293.7	295.7	295.7	295.7	295.7
25°	286.6	288.6	290.6	292.7	293.7	293.7	295.7	295.7	296.7	296.7
27.5°	284.6	286.6	289.6	291.6	292.7	293.7	294.7	295.7	295.7	295.7
30°	281.5	284.6	287.6	289.6	290.6	291.6	292.7	293.7	294.7	294.7
32.5°	277.5	280.5	283.5	286.6	287.6	288.6	290.6	291.6	291.6	291.6
35°	273.4	276.5	279.5	282.5	283.5	284.6	286.6	287.6	288.6	288.6
37.5°	267.3	270.4	273.4	276.5	277.5	279.5	281.5	282.5	282.5	282.5
40°	258.2	263.3	267.3	270.4	271.4	273.4	274.4	276.5	276.5	276.5
42.5°	250.1	254.2	257.2	261.3	262.3	265.3	267.3	268.3	269.4	269.4
45°	241.0	245.1	248.1	251.1	252.1	254.2	256.2	257.2	258.2	259.2
47.5°	231.9	234.9	238.0	241.0	242.0	244.0	246.1	247.1	248.1	248.1
50°	220.8	223.8	226.8	229.9	230.9	232.9	233.9	234.9	235.9	235.9
52.5°	208.6	211.6	214.7	217.7	218.7	219.7	221.8	222.8	223.8	223.8
55°	196.5	199.5	201.5	204.6	205.6	206.6	207.6	209.6	210.6	209.6
57.5°	182.3	185.3	187.3	190.4	191.4	192.4	193.4	194.4	195.4	195.4
60°	167.1	170.1	173.2	175.2	176.2	177.2	178.2	179.2	180.2	180.2
62.5°	151.9	154.9	157.0	160.0	161.0	161.0	162.0	163.0	164.0	164.0
65°	136.7	139.7	140.8	143.8	143.8	144.8	145.8	146.8	146.8	146.8
67.5°	120.5	123.5	124.6	126.6	126.6	127.6	128.6	129.6	129.6	129.6
70°	105.3	106.3	108.4	109.4	110.4	110.4	111.4	112.4	113.4	112.4
72.5°	89.1	90.1	92.2	93.2	93.2	94.2	94.2	95.2	96.2	96.2
75°	72.9	74.9	75.9	77.0	78.0	78.0	79.0	80.0	80.0	80.0
77.5°	57.7	59.7	60.8	61.8	62.8	62.8	63.8	63.8	64.8	63.8
80°	44.6	45.6	46.6	47.6	48.6	48.6	49.6	50.6	50.6	50.6
82.5°	32.4	33.4	35.4	36.5	36.5	36.5	38.5	38.5	39.5	38.5
85°	22.3	23.3	25.3	26.3	27.3	27.3	27.3	28.4	29.4	28.4
87.5°	14.2	16.2	17.2	18.2	18.2	18.2	19.2	20.3	20.3	20.3
90°	8.1	8.1	9.1	10.1	10.1	11.1	11.1	12.2	12.2	12.2
92.5°	8.1	9.1	9.1	9.1	10.1	10.1	10.1	11.1	11.1	11.1
95°	68.9	49.6	28.4	22.3	19.2	19.2	18.2	19.2	18.2	18.2
97.5°	208.6	225.8	233.9	245.1	251.1	250.1	246.1	250.1	247.1	250.1
100°	296.7	312.9	325.1	328.1	334.2	337.2	348.3	356.4	360.5	365.6
102.5°	368.6	387.8	402.0	410.1	416.2	420.2	433.4	445.6	451.6	455.7
105°	434.4	454.7	471.9	480.0	487.1	491.1	505.3	519.5	528.6	533.7
107.5°	487.1	510.4	528.6	540.7	547.8	554.9	572.1	586.3	597.5	602.5
110°	534.7	558.0	577.2	591.4	599.5	606.6	625.8	642.0	654.2	660.2



TEST NUMBER: P395426

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

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	574.2	599.5	618.7	633.9	642.0	652.1	670.4	688.6	700.7	707.8
115°	606.6	632.9	653.2	669.4	678.5	687.6	708.8	727.1	739.2	744.3
117.5°	633.9	660.2	681.5	697.7	707.8	718.0	739.2	755.4	768.6	772.6
120°	656.2	682.5	703.8	722.0	732.1	741.3	761.5	778.7	790.9	793.9
122.5°	671.4	698.7	721.0	741.3	750.4	759.5	778.7	795.9	807.1	810.1
125°	682.5	710.9	733.2	754.4	763.5	772.6	790.9	808.1	817.2	821.3
127.5°	689.6	718.0	742.3	762.5	772.6	780.7	799.0	814.2	823.3	826.3
130°	691.6	721.0	745.3	766.6	775.7	783.8	801.0	816.2	824.3	826.3
132.5°	691.6	720.0	745.3	765.6	774.7	782.8	799.0	813.1	821.3	823.3
135°	687.6	714.9	740.2	760.5	769.6	777.7	793.9	806.1	814.2	815.2
137.5°	680.5	706.8	731.1	751.4	760.5	768.6	782.8	795.9	803.0	805.0
140°	671.4	695.7	720.0	739.2	748.3	755.4	769.6	780.7	787.8	789.9
142.5°	659.2	683.5	705.8	725.1	732.1	740.2	752.4	763.5	769.6	771.6
145°	646.1	669.4	689.6	706.8	714.9	722.0	733.2	743.3	749.4	751.4
147.5°	628.8	652.1	671.4	687.6	694.7	701.8	711.9	721.0	727.1	729.1
150°	607.6	628.8	649.1	664.3	671.4	678.5	688.6	696.7	702.8	703.8
152.5°	586.3	606.6	623.8	639.0	646.1	653.2	662.3	670.4	677.5	677.5
155°	566.1	583.3	599.5	612.6	618.7	624.8	633.9	641.0	647.1	647.1
157.5°	544.8	561.0	574.2	586.3	591.4	596.4	604.5	610.6	615.7	614.7
160°	524.5	536.7	548.9	559.0	564.0	568.1	574.2	579.2	584.3	583.3
162.5°	502.3	513.4	523.5	530.6	534.7	537.7	543.8	548.9	551.9	551.9
165°	477.0	487.1	496.2	503.3	507.3	509.4	514.4	517.5	520.5	520.5
167.5°	450.6	458.7	466.8	472.9	477.0	479.0	484.0	486.1	490.1	489.1
170°	424.3	430.4	436.4	441.5	443.5	445.6	449.6	451.6	453.7	453.7
172.5°	403.0	405.1	408.1	412.1	412.1	413.2	415.2	416.2	417.2	417.2
175°	390.9	391.9	391.9	391.9	391.9	391.9	392.9	391.9	392.9	391.9
177.5°	385.8	385.8	384.8	384.8	383.8	384.8	383.8	382.8	382.8	381.8
180°	383.8	383.8	383.8	383.8	383.8	383.8	383.8	383.8	383.8	383.8

(END OF REPORT)