

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: P395429

Luminaire Tested: **I3-CL-50L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395429
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 (4500K)
Description: CORELITE I3, CLEAR TOP COVER
5000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4183.3 lumens
Efficiency: N/A
Efficacy: 115.6 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

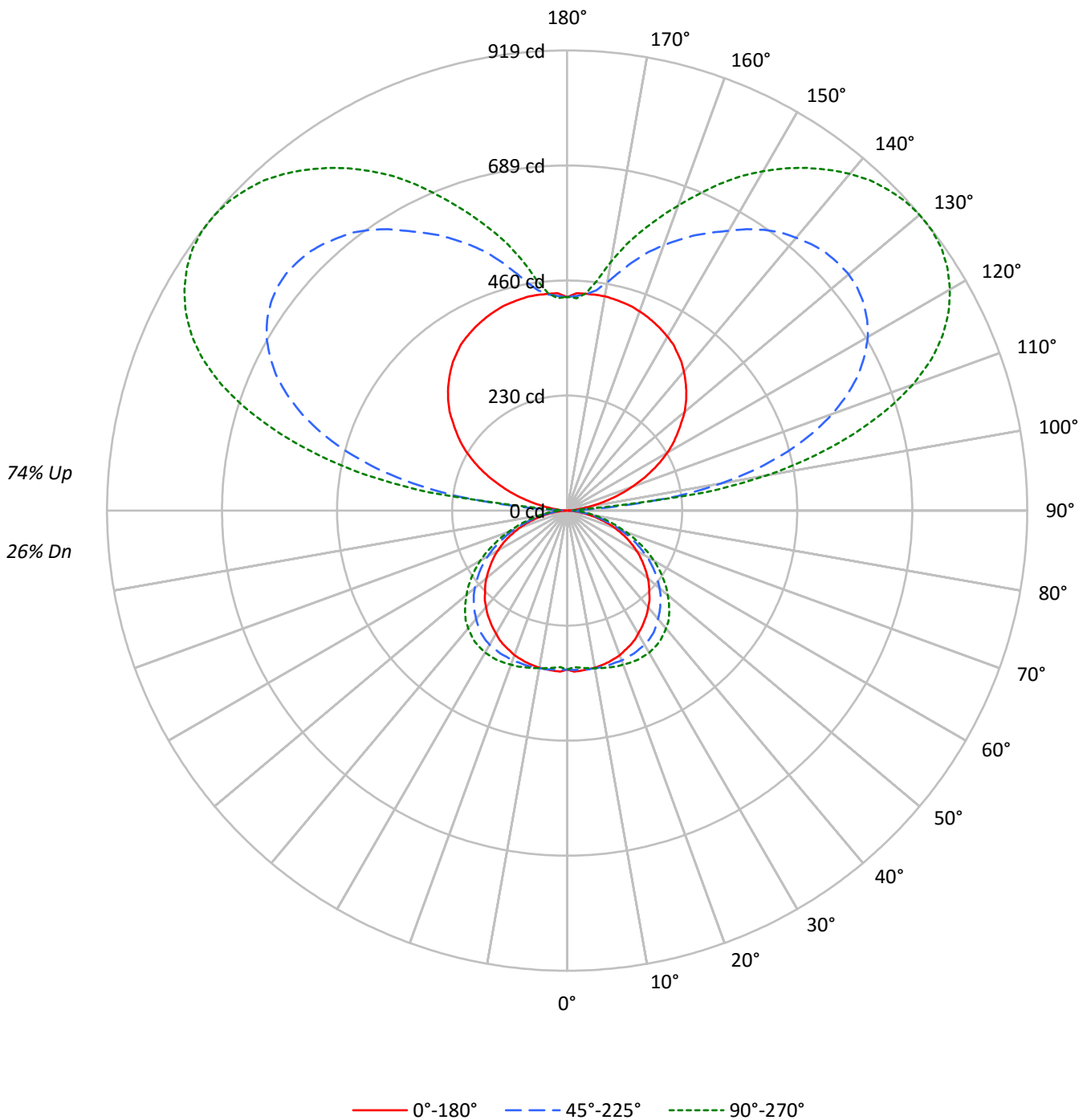
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P395429

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1745	1745	1745
5°	1763	1718	1690
10°	1765	1704	1685
15°	1767	1698	1694
20°	1770	1699	1709
25°	1767	1701	1731
30°	1757	1704	1744
35°	1753	1694	1745
40°	1747	1658	1723
45°	1729	1618	1680
50°	1713	1564	1605
55°	1678	1486	1513
60°	1637	1381	1397
65°	1570	1240	1238
70°	1458	1056	1049
75°	1259	840	841
80°	977	597	617
85°	573	369	413



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CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (4500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.4	0.7
10°-20°	90.2	2.2
20°-30°	144.7	3.5
30°-40°	185.0	4.4
40°-50°	201.7	4.8
50°-60°	189.0	4.5
60°-70°	146.7	3.5
70°-80°	84.1	2.0
80°-90°	26.9	0.6
90°-100°	107.9	2.6
100°-110°	419.4	10.0
110°-120°	571.0	13.6
120°-130°	592.7	14.2
130°-140°	525.8	12.6
140°-150°	407.9	9.8
150°-160°	272.3	6.5
160°-170°	145.1	3.5
170°-180°	42.5	1.0
0°-30°	265.3	6.3
0°-40°	450.3	10.8
0°-60°	841.1	20.1
0°-90°	1098.7	26.3
90°-120°	1098.3	26.3
90°-150°	2624.8	62.7
90°-180°	3085.0	73.7
0°-180°	4183.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	317	317	317	317	317	
5°	321	317	319	317	315	31
15°	314	313	320	324	324	89
25°	297	299	315	326	330	137
35°	269	275	299	315	321	168
45°	232	242	263	280	288	179
55°	186	196	214	228	233	166
65°	132	137	150	160	163	130
75°	69	72	79	87	89	73
85°	14	16	24	30	32	16
90°	1	3	8	11	14	2
95°	14	76	105	21	20	18
105°	89	269	456	542	593	95
115°	186	415	642	754	827	183
125°	269	490	723	849	913	241
135°	337	516	730	856	906	259
145°	384	516	684	795	835	241
155°	413	487	607	688	719	191
165°	430	448	516	564	579	122
175°	434	432	433	436	436	41
180°	427	427	427	427	427	



TEST NUMBER: P395429

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4
2.5°	322.0	320.8	320.8	318.6	318.6	317.4	317.4	317.4	317.4	317.4	318.6
5°	320.8	320.8	319.7	318.6	318.6	317.4	317.4	317.4	317.4	317.4	318.6
7.5°	319.7	319.7	318.6	317.4	317.4	317.4	317.4	317.4	317.4	317.4	319.7
10°	318.6	318.6	317.4	316.3	316.3	316.3	316.3	317.4	317.4	317.4	319.7
12.5°	316.3	315.2	315.2	314.1	314.1	314.1	315.2	315.2	316.3	317.4	319.7
15°	314.1	314.1	312.9	311.8	312.9	312.9	312.9	314.1	315.2	316.3	319.7
17.5°	310.7	310.7	309.6	309.6	309.6	310.7	310.7	311.8	314.1	316.3	318.6
20°	307.3	306.2	306.2	306.2	307.3	307.3	308.4	310.7	311.8	315.2	318.6
22.5°	301.7	302.8	301.7	301.7	302.8	303.9	305.1	307.3	309.6	312.9	316.3
25°	297.2	297.2	297.2	297.2	299.4	299.4	301.7	303.9	307.3	310.7	315.2
27.5°	291.6	291.6	291.6	292.7	293.8	294.9	296.1	299.4	302.8	307.3	311.8
30°	283.7	283.7	283.7	283.7	287.1	288.2	290.4	294.9	298.3	303.9	309.6
32.5°	276.9	276.9	276.9	278.0	280.3	281.4	283.7	289.3	293.8	299.4	305.1
35°	269.0	269.0	270.2	270.2	273.5	274.7	276.9	281.4	285.9	292.7	299.4
37.5°	261.2	261.2	262.3	263.4	265.7	267.9	270.2	274.7	279.2	284.8	291.6
40°	252.2	252.2	253.3	254.4	257.8	260.0	262.3	266.8	271.3	276.9	282.6
42.5°	243.2	243.2	244.3	245.4	248.8	251.0	253.3	258.9	263.4	269.0	273.5
45°	231.9	233.0	234.1	236.4	239.8	242.0	244.3	248.8	254.4	258.9	263.4
47.5°	221.8	222.9	224.0	226.3	229.6	231.9	234.1	238.7	243.2	247.7	253.3
50°	210.5	211.6	212.8	215.0	218.4	220.6	222.9	227.4	231.9	235.3	240.9
52.5°	198.1	199.3	200.4	202.6	207.1	208.3	210.5	215.0	218.4	222.9	227.4
55°	185.7	186.9	188.0	190.2	193.6	195.9	197.0	201.5	204.9	209.4	213.9
57.5°	173.4	174.5	175.6	177.9	180.1	182.4	183.5	186.9	191.4	194.7	199.3
60°	159.9	161.0	162.1	163.2	166.6	167.7	168.9	172.2	175.6	180.1	183.5
62.5°	146.3	146.3	147.5	148.6	152.0	153.1	154.2	156.5	161.0	163.2	166.6
65°	131.7	131.7	132.8	134.0	136.2	137.3	138.5	140.7	144.1	146.3	149.7
67.5°	115.9	115.9	117.1	118.2	120.5	121.6	121.6	125.0	127.2	129.5	131.7
70°	101.3	101.3	102.4	102.4	103.6	104.7	105.8	108.1	109.2	112.6	113.7
72.5°	85.6	85.6	85.6	85.6	87.8	87.8	88.9	91.2	92.3	94.6	96.8
75°	68.7	68.7	69.8	69.8	70.9	72.0	73.2	74.3	76.5	77.7	78.8
77.5°	54.0	52.9	54.0	55.2	56.3	56.3	57.4	58.5	59.7	61.9	63.0
80°	38.3	38.3	38.3	39.4	40.5	40.5	41.7	42.8	43.9	46.2	47.3
82.5°	24.8	24.8	25.9	25.9	27.0	28.1	28.1	29.3	30.4	32.6	33.8
85°	13.5	13.5	13.5	14.6	15.8	15.8	16.9	18.0	20.3	21.4	23.6
87.5°	4.5	4.5	5.6	6.8	7.9	7.9	9.0	10.1	11.3	13.5	14.6
90°	1.1	1.1	1.1	2.3	2.3	3.4	3.4	4.5	5.6	6.8	7.9
92.5°	4.5	7.9	12.4	18.0	16.9	18.0	12.4	7.9	7.9	7.9	9.0
95°	13.5	20.3	32.6	51.8	67.5	76.5	84.4	92.3	108.1	109.2	104.7
97.5°	27.0	37.1	59.7	84.4	112.6	127.2	138.5	162.1	186.9	202.6	221.8
100°	45.0	59.7	88.9	122.7	155.3	174.5	192.5	226.3	256.7	283.7	312.9
102.5°	66.4	83.3	119.3	161.0	201.5	222.9	242.0	281.4	323.1	359.1	390.6
105°	88.9	108.1	150.8	198.1	244.3	269.0	292.7	335.5	379.4	418.8	455.9
107.5°	113.7	134.0	180.1	233.0	284.8	312.9	338.8	385.0	431.1	473.9	513.3
110°	137.3	159.9	208.3	265.7	324.2	352.3	378.2	428.9	477.3	522.3	564.0



TEST NUMBER: P395429

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	162.1	185.7	234.1	297.2	356.8	386.1	413.1	467.2	517.8	564.0	605.6
115°	185.7	208.3	258.9	324.2	385.0	415.4	444.7	499.8	552.7	598.9	641.7
117.5°	208.3	229.6	281.4	346.7	409.8	440.2	469.4	526.8	579.7	628.1	669.8
120°	230.8	249.9	306.2	365.9	430.0	460.4	490.8	548.2	602.3	650.7	693.4
122.5°	251.0	269.0	324.2	382.7	445.8	477.3	506.6	565.1	620.3	668.7	710.3
125°	269.0	285.9	341.1	396.2	459.3	489.7	520.1	577.5	632.6	679.9	722.7
127.5°	287.1	303.9	353.5	409.8	468.3	499.8	529.1	586.5	640.5	688.9	730.6
130°	306.2	318.6	365.9	422.1	477.3	506.6	537.0	592.1	645.0	692.3	734.0
132.5°	322.0	333.2	378.2	432.3	484.1	512.2	539.2	594.4	647.3	692.3	732.8
135°	336.6	345.6	387.2	441.3	489.7	515.6	541.5	593.2	645.0	690.1	729.5
137.5°	350.1	359.1	395.1	448.0	494.2	516.7	541.5	589.9	639.4	684.4	721.6
140°	362.5	369.2	401.9	451.4	496.4	517.8	539.2	584.2	630.4	674.3	711.4
142.5°	374.9	380.5	407.5	453.7	497.6	517.8	538.1	577.5	620.3	663.0	700.2
145°	383.9	389.5	412.0	454.8	496.4	515.6	533.6	570.7	609.0	648.4	684.4
147.5°	394.0	398.5	416.5	452.5	493.1	511.1	528.0	561.7	596.6	632.6	666.4
150°	400.8	405.3	418.8	450.3	487.4	504.3	521.2	552.7	584.2	615.8	645.0
152.5°	407.5	410.9	422.1	446.9	480.7	496.4	512.2	542.6	571.9	600.0	625.9
155°	413.1	416.5	424.4	444.7	472.8	487.4	502.1	531.3	558.4	583.1	606.8
157.5°	418.8	421.0	426.6	441.3	463.8	477.3	490.8	516.7	541.5	566.2	585.4
160°	423.3	424.4	428.9	440.2	455.9	466.0	478.4	502.1	524.6	546.0	564.0
162.5°	427.8	427.8	431.1	437.9	449.2	455.9	464.9	485.2	505.4	524.6	541.5
165°	430.0	430.0	432.3	436.8	443.5	448.0	453.7	467.2	482.9	499.8	515.6
167.5°	432.3	432.3	433.4	435.6	440.2	442.4	444.7	453.7	463.8	476.2	488.6
170°	434.5	433.4	433.4	435.6	436.8	437.9	439.0	443.5	448.0	455.9	462.7
172.5°	434.5	433.4	433.4	434.5	434.5	434.5	434.5	435.6	436.8	441.3	443.5
175°	434.5	433.4	433.4	433.4	433.4	432.3	432.3	432.3	432.3	432.3	433.4
177.5°	434.5	433.4	432.3	432.3	431.1	431.1	430.0	430.0	428.9	428.9	428.9
180°	426.6	426.6	426.6	426.6	426.6	426.6	426.6	426.6	426.6	426.6	426.6



TEST NUMBER: P395429

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4	317.4
2.5°	318.6	318.6	317.4	317.4	316.3	316.3	315.2	314.1	312.9	312.9
5°	319.7	318.6	317.4	317.4	317.4	316.3	316.3	316.3	315.2	315.2
7.5°	319.7	319.7	319.7	318.6	318.6	318.6	318.6	318.6	317.4	317.4
10°	320.8	320.8	320.8	320.8	320.8	320.8	320.8	319.7	319.7	319.7
12.5°	320.8	320.8	320.8	322.0	322.0	322.0	322.0	322.0	322.0	322.0
15°	322.0	322.0	323.1	323.1	324.2	324.2	325.3	325.3	325.3	324.2
17.5°	320.8	322.0	323.1	324.2	325.3	325.3	326.5	326.5	326.5	326.5
20°	320.8	323.1	324.2	325.3	326.5	326.5	327.6	328.7	328.7	327.6
22.5°	319.7	322.0	323.1	325.3	326.5	326.5	328.7	328.7	328.7	328.7
25°	318.6	320.8	323.1	325.3	326.5	326.5	328.7	328.7	329.8	329.8
27.5°	316.3	318.6	322.0	324.2	325.3	326.5	327.6	328.7	328.7	328.7
30°	312.9	316.3	319.7	322.0	323.1	324.2	325.3	326.5	327.6	327.6
32.5°	308.4	311.8	315.2	318.6	319.7	320.8	323.1	324.2	324.2	324.2
35°	303.9	307.3	310.7	314.1	315.2	316.3	318.6	319.7	320.8	320.8
37.5°	297.2	300.6	303.9	307.3	308.4	310.7	312.9	314.1	314.1	314.1
40°	287.1	292.7	297.2	300.6	301.7	303.9	305.1	307.3	307.3	307.3
42.5°	278.0	282.6	285.9	290.4	291.6	294.9	297.2	298.3	299.4	299.4
45°	267.9	272.4	275.8	279.2	280.3	282.6	284.8	285.9	287.1	288.2
47.5°	257.8	261.2	264.5	267.9	269.0	271.3	273.5	274.7	275.8	275.8
50°	245.4	248.8	252.2	255.5	256.7	258.9	260.0	261.2	262.3	262.3
52.5°	231.9	235.3	238.7	242.0	243.2	244.3	246.5	247.7	248.8	248.8
55°	218.4	221.8	224.0	227.4	228.5	229.6	230.8	233.0	234.1	233.0
57.5°	202.6	206.0	208.3	211.6	212.8	213.9	215.0	216.1	217.3	217.3
60°	185.7	189.1	192.5	194.7	195.9	197.0	198.1	199.3	200.4	200.4
62.5°	168.9	172.2	174.5	177.9	179.0	179.0	180.1	181.2	182.4	182.4
65°	152.0	155.3	156.5	159.9	159.9	161.0	162.1	163.2	163.2	163.2
67.5°	134.0	137.3	138.5	140.7	140.7	141.8	143.0	144.1	144.1	144.1
70°	117.1	118.2	120.5	121.6	122.7	122.7	123.8	125.0	126.1	125.0
72.5°	99.1	100.2	102.4	103.6	103.6	104.7	104.7	105.8	106.9	106.9
75°	81.1	83.3	84.4	85.6	86.7	86.7	87.8	88.9	88.9	88.9
77.5°	64.2	66.4	67.5	68.7	69.8	69.8	70.9	70.9	72.0	70.9
80°	49.5	50.7	51.8	52.9	54.0	54.0	55.2	56.3	56.3	56.3
82.5°	36.0	37.1	39.4	40.5	40.5	40.5	42.8	42.8	43.9	42.8
85°	24.8	25.9	28.1	29.3	30.4	30.4	30.4	31.5	32.6	31.5
87.5°	15.8	18.0	19.1	20.3	20.3	20.3	21.4	22.5	22.5	22.5
90°	9.0	9.0	10.1	11.3	11.3	12.4	12.4	13.5	13.5	13.5
92.5°	9.0	10.1	10.1	10.1	11.3	11.3	11.3	12.4	12.4	12.4
95°	76.5	55.2	31.5	24.8	21.4	21.4	20.3	21.4	20.3	20.3
97.5°	231.9	251.0	260.0	272.4	279.2	278.0	273.5	278.0	274.7	278.0
100°	329.8	347.8	361.4	364.7	371.5	374.9	387.2	396.2	400.8	406.4
102.5°	409.8	431.1	446.9	455.9	462.7	467.2	481.8	495.3	502.1	506.6
105°	482.9	505.4	524.6	533.6	541.5	546.0	561.7	577.5	587.6	593.2
107.5°	541.5	567.4	587.6	601.1	609.0	616.9	636.0	651.8	664.2	669.8
110°	594.4	620.3	641.7	657.4	666.4	674.3	695.7	713.7	727.2	734.0



TEST NUMBER: P395429

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	638.3	666.4	687.8	704.7	713.7	725.0	745.2	765.5	779.0	786.9
115°	674.3	703.6	726.1	744.1	754.2	764.4	788.0	808.3	821.8	827.4
117.5°	704.7	734.0	757.6	775.6	786.9	798.1	821.8	839.8	854.4	858.9
120°	729.5	758.7	782.4	802.6	813.9	824.0	846.5	865.7	879.2	882.6
122.5°	746.3	776.7	801.5	824.0	834.1	844.3	865.7	884.8	897.2	900.6
125°	758.7	790.2	815.0	838.7	848.8	858.9	879.2	898.3	908.4	912.9
127.5°	766.6	798.1	825.1	847.7	858.9	867.9	888.2	905.1	915.2	918.6
130°	768.9	801.5	828.5	852.2	862.3	871.3	890.4	907.3	916.3	918.6
132.5°	768.9	800.4	828.5	851.0	861.2	870.2	888.2	903.9	912.9	915.2
135°	764.4	794.7	822.9	845.4	855.5	864.5	882.6	896.1	905.1	906.2
137.5°	756.5	785.7	812.8	835.3	845.4	854.4	870.2	884.8	892.7	894.9
140°	746.3	773.4	800.4	821.8	831.9	839.8	855.5	867.9	875.8	878.1
142.5°	732.8	759.9	784.6	806.0	813.9	822.9	836.4	848.8	855.5	857.8
145°	718.2	744.1	766.6	785.7	794.7	802.6	815.0	826.3	833.0	835.3
147.5°	699.1	725.0	746.3	764.4	772.2	780.1	791.4	801.5	808.3	810.5
150°	675.4	699.1	721.6	738.5	746.3	754.2	765.5	774.5	781.2	782.4
152.5°	651.8	674.3	693.4	710.3	718.2	726.1	736.2	745.2	753.1	753.1
155°	629.3	648.4	666.4	681.1	687.8	694.6	704.7	712.6	719.3	719.3
157.5°	605.6	623.6	638.3	651.8	657.4	663.0	672.0	678.8	684.4	683.3
160°	583.1	596.6	610.1	621.4	627.0	631.5	638.3	643.9	649.5	648.4
162.5°	558.4	570.7	582.0	589.9	594.4	597.8	604.5	610.1	613.5	613.5
165°	530.2	541.5	551.6	559.5	564.0	566.2	571.9	575.2	578.6	578.6
167.5°	500.9	509.9	519.0	525.7	530.2	532.5	538.1	540.3	544.8	543.7
170°	471.7	478.4	485.2	490.8	493.1	495.3	499.8	502.1	504.3	504.3
172.5°	448.0	450.3	453.7	458.2	458.2	459.3	461.5	462.7	463.8	463.8
175°	434.5	435.6	435.6	435.6	435.6	435.6	436.8	435.6	436.8	435.6
177.5°	428.9	428.9	427.8	427.8	426.6	427.8	426.6	425.5	425.5	424.4
180°	426.6	426.6	426.6	426.6	426.6	426.6	426.6	426.6	426.6	426.6

(END OF REPORT)