

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: P395431

Luminaire Tested: **I3-CL-50L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395431
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 (5700K)
Description: CORELITE I3, CLEAR TOP COVER
5000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4354.2 lumens
Efficiency: N/A
Efficacy: 119.0 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

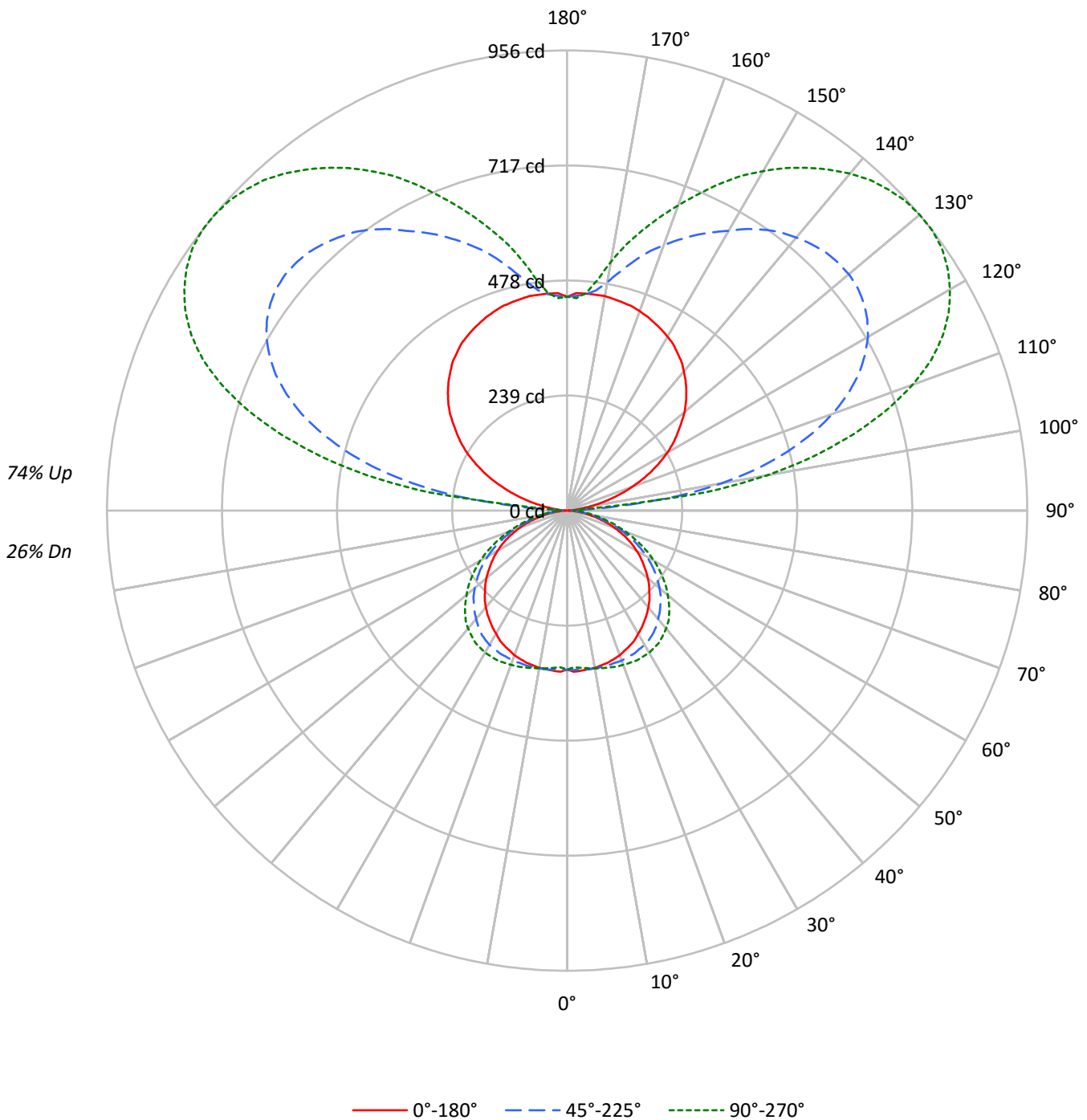
Input Watts (W): 36.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (5700K)

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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°	1816	1816	1816
5°	1835	1788	1759
10°	1837	1774	1754
15°	1839	1768	1763
20°	1843	1769	1779
25°	1839	1770	1802
30°	1829	1773	1815
35°	1824	1763	1816
40°	1819	1725	1794
45°	1800	1684	1749
50°	1783	1628	1671
55°	1746	1546	1574
60°	1704	1438	1454
65°	1634	1291	1289
70°	1518	1099	1091
75°	1310	874	876
80°	1015	621	642
85°	598	384	430



TEST NUMBER: P395431

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (5700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.6	0.7
10°-20°	93.9	2.2
20°-30°	150.6	3.5
30°-40°	192.6	4.4
40°-50°	210.0	4.8
50°-60°	196.8	4.5
60°-70°	152.7	3.5
70°-80°	87.5	2.0
80°-90°	28.0	0.6
90°-100°	112.3	2.6
100°-110°	436.6	10.0
110°-120°	594.3	13.6
120°-130°	616.9	14.2
130°-140°	547.3	12.6
140°-150°	424.6	9.8
150°-160°	283.4	6.5
160°-170°	151.0	3.5
170°-180°	44.2	1.0
0°-30°	276.1	6.3
0°-40°	468.7	10.8
0°-60°	875.5	20.1
0°-90°	1143.6	26.3
90°-120°	1143.2	26.3
90°-150°	2732.0	62.7
90°-180°	3211.0	73.7
0°-180°	4354.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	330	330	330	330	330	
5°	334	330	332	330	328	32
15°	327	326	333	337	337	92
25°	309	312	328	340	343	143
35°	280	286	312	328	334	175
45°	241	252	274	292	300	187
55°	193	204	223	238	242	173
65°	137	143	156	166	170	135
75°	72	75	82	90	93	76
85°	14	16	25	32	33	17
90°	1	4	8	12	14	2
95°	14	80	109	22	21	18
105°	93	280	474	564	618	99
115°	193	432	668	785	861	191
125°	280	510	752	883	950	250
135°	350	537	759	890	943	270
145°	400	537	712	827	869	250
155°	430	507	632	716	749	199
165°	448	466	537	587	602	127
175°	452	450	451	453	453	43
180°	444	444	444	444	444	



TEST NUMBER: P395431

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	330.4	330.4	330.4	330.4	330.4	330.4	330.4	330.4	330.4	330.4	330.4
2.5°	335.1	333.9	333.9	331.6	331.6	330.4	330.4	330.4	330.4	330.4	331.6
5°	333.9	333.9	332.8	331.6	331.6	330.4	330.4	330.4	330.4	330.4	331.6
7.5°	332.8	332.8	331.6	330.4	330.4	330.4	330.4	330.4	330.4	330.4	332.8
10°	331.6	331.6	330.4	329.2	329.2	329.2	329.2	330.4	330.4	330.4	332.8
12.5°	329.2	328.1	328.1	326.9	326.9	326.9	328.1	328.1	329.2	330.4	332.8
15°	326.9	326.9	325.7	324.6	325.7	325.7	325.7	326.9	328.1	329.2	332.8
17.5°	323.4	323.4	322.2	322.2	322.2	323.4	323.4	324.6	326.9	329.2	331.6
20°	319.9	318.7	318.7	318.7	319.9	319.9	321.0	323.4	324.6	328.1	331.6
22.5°	314.0	315.2	314.0	314.0	315.2	316.4	317.5	319.9	322.2	325.7	329.2
25°	309.3	309.3	309.3	309.3	311.7	311.7	314.0	316.4	319.9	323.4	328.1
27.5°	303.5	303.5	303.5	304.6	305.8	307.0	308.2	311.7	315.2	319.9	324.6
30°	295.3	295.3	295.3	295.3	298.8	300.0	302.3	307.0	310.5	316.4	322.2
32.5°	288.2	288.2	288.2	289.4	291.7	292.9	295.3	301.1	305.8	311.7	317.5
35°	280.0	280.0	281.2	281.2	284.7	285.9	288.2	292.9	297.6	304.6	311.7
37.5°	271.8	271.8	273.0	274.2	276.5	278.9	281.2	285.9	290.6	296.4	303.5
40°	262.5	262.5	263.6	264.8	268.3	270.7	273.0	277.7	282.4	288.2	294.1
42.5°	253.1	253.1	254.3	255.4	258.9	261.3	263.6	269.5	274.2	280.0	284.7
45°	241.4	242.5	243.7	246.1	249.6	251.9	254.3	258.9	264.8	269.5	274.2
47.5°	230.8	232.0	233.2	235.5	239.0	241.4	243.7	248.4	253.1	257.8	263.6
50°	219.1	220.3	221.4	223.8	227.3	229.6	232.0	236.7	241.4	244.9	250.7
52.5°	206.2	207.4	208.6	210.9	215.6	216.8	219.1	223.8	227.3	232.0	236.7
55°	193.3	194.5	195.7	198.0	201.5	203.9	205.0	209.7	213.2	217.9	222.6
57.5°	180.4	181.6	182.8	185.1	187.5	189.8	191.0	194.5	199.2	202.7	207.4
60°	166.4	167.6	168.7	169.9	173.4	174.6	175.8	179.3	182.8	187.5	191.0
62.5°	152.3	152.3	153.5	154.7	158.2	159.3	160.5	162.9	167.6	169.9	173.4
65°	137.1	137.1	138.3	139.4	141.8	142.9	144.1	146.5	150.0	152.3	155.8
67.5°	120.7	120.7	121.9	123.0	125.4	126.5	126.5	130.1	132.4	134.7	137.1
70°	105.5	105.5	106.6	106.6	107.8	109.0	110.1	112.5	113.7	117.2	118.3
72.5°	89.0	89.0	89.0	89.0	91.4	91.4	92.6	94.9	96.1	98.4	100.8
75°	71.5	71.5	72.6	72.6	73.8	75.0	76.2	77.3	79.7	80.8	82.0
77.5°	56.2	55.1	56.2	57.4	58.6	58.6	59.8	60.9	62.1	64.4	65.6
80°	39.8	39.8	39.8	41.0	42.2	42.2	43.4	44.5	45.7	48.0	49.2
82.5°	25.8	25.8	26.9	26.9	28.1	29.3	29.3	30.5	31.6	34.0	35.2
85°	14.1	14.1	14.1	15.2	16.4	16.4	17.6	18.7	21.1	22.3	24.6
87.5°	4.7	4.7	5.9	7.0	8.2	8.2	9.4	10.5	11.7	14.1	15.2
90°	1.2	1.2	1.2	2.3	2.3	3.5	3.5	4.7	5.9	7.0	8.2
92.5°	4.7	8.2	12.9	18.7	17.6	18.7	12.9	8.2	8.2	8.2	9.4
95°	14.1	21.1	34.0	53.9	70.3	79.7	87.9	96.1	112.5	113.7	109.0
97.5°	28.1	38.7	62.1	87.9	117.2	132.4	144.1	168.7	194.5	210.9	230.8
100°	46.9	62.1	92.6	127.7	161.7	181.6	200.4	235.5	267.1	295.3	325.7
102.5°	69.1	86.7	124.2	167.6	209.7	232.0	251.9	292.9	336.3	373.8	406.6
105°	92.6	112.5	157.0	206.2	254.3	280.0	304.6	349.2	394.9	435.9	474.5
107.5°	118.3	139.4	187.5	242.5	296.4	325.7	352.7	400.7	448.8	493.3	534.3
110°	142.9	166.4	216.8	276.5	337.4	366.7	393.7	446.4	496.8	543.7	587.0



TEST NUMBER: P395431

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	168.7	193.3	243.7	309.3	371.4	401.9	430.0	486.2	539.0	587.0	630.4
115°	193.3	216.8	269.5	337.4	400.7	432.4	462.8	520.2	575.3	623.3	667.9
117.5°	216.8	239.0	292.9	360.9	426.5	458.1	488.6	548.3	603.4	653.8	697.1
120°	240.2	260.1	318.7	380.8	447.6	479.2	510.9	570.6	626.8	677.2	721.8
122.5°	261.3	280.0	337.4	398.4	464.0	496.8	527.3	588.2	645.6	696.0	739.3
125°	280.0	297.6	355.0	412.4	478.0	509.7	541.3	601.1	658.5	707.7	752.2
127.5°	298.8	316.4	367.9	426.5	487.4	520.2	550.7	610.4	666.7	717.1	760.4
130°	318.7	331.6	380.8	439.4	496.8	527.3	558.9	616.3	671.4	720.6	763.9
132.5°	335.1	346.8	393.7	449.9	503.8	533.1	561.2	618.6	673.7	720.6	762.8
135°	350.3	359.7	403.1	459.3	509.7	536.6	563.6	617.5	671.4	718.2	759.2
137.5°	364.4	373.8	411.3	466.3	514.4	537.8	563.6	614.0	665.5	712.4	751.0
140°	377.3	384.3	418.3	469.8	516.7	539.0	561.2	608.1	656.1	701.8	740.5
142.5°	390.2	396.0	424.1	472.2	517.9	539.0	560.1	601.1	645.6	690.1	728.8
145°	399.5	405.4	428.8	473.4	516.7	536.6	555.4	594.0	633.9	674.9	712.4
147.5°	410.1	414.8	433.5	471.0	513.2	531.9	549.5	584.7	621.0	658.5	693.6
150°	417.1	421.8	435.9	468.7	507.3	524.9	542.5	575.3	608.1	640.9	671.4
152.5°	424.1	427.7	439.4	465.2	500.3	516.7	533.1	564.8	595.2	624.5	651.5
155°	430.0	433.5	441.7	462.8	492.1	507.3	522.6	553.0	581.2	606.9	631.5
157.5°	435.9	438.2	444.1	459.3	482.7	496.8	510.9	537.8	563.6	589.4	609.3
160°	440.6	441.7	446.4	458.1	474.5	485.1	498.0	522.6	546.0	568.3	587.0
162.5°	445.2	445.2	448.8	455.8	467.5	474.5	483.9	505.0	526.1	546.0	563.6
165°	447.6	447.6	449.9	454.6	461.6	466.3	472.2	486.2	502.7	520.2	536.6
167.5°	449.9	449.9	451.1	453.4	458.1	460.5	462.8	472.2	482.7	495.6	508.5
170°	452.3	451.1	451.1	453.4	454.6	455.8	457.0	461.6	466.3	474.5	481.6
172.5°	452.3	451.1	451.1	452.3	452.3	452.3	452.3	453.4	454.6	459.3	461.6
175°	452.3	451.1	451.1	451.1	451.1	449.9	449.9	449.9	449.9	449.9	451.1
177.5°	452.3	451.1	449.9	449.9	448.8	448.8	447.6	447.6	446.4	446.4	446.4
180°	444.1	444.1	444.1	444.1	444.1	444.1	444.1	444.1	444.1	444.1	444.1



TEST NUMBER: P395431

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	330.4	330.4	330.4	330.4	330.4	330.4	330.4	330.4	330.4	330.4
2.5°	331.6	331.6	330.4	330.4	329.2	329.2	328.1	326.9	325.7	325.7
5°	332.8	331.6	330.4	330.4	330.4	329.2	329.2	329.2	328.1	328.1
7.5°	332.8	332.8	332.8	331.6	331.6	331.6	331.6	331.6	330.4	330.4
10°	333.9	333.9	333.9	333.9	333.9	333.9	333.9	332.8	332.8	332.8
12.5°	333.9	333.9	333.9	335.1	335.1	335.1	335.1	335.1	335.1	335.1
15°	335.1	335.1	336.3	336.3	337.4	337.4	338.6	338.6	338.6	337.4
17.5°	333.9	335.1	336.3	337.4	338.6	338.6	339.8	339.8	339.8	339.8
20°	333.9	336.3	337.4	338.6	339.8	339.8	341.0	342.1	342.1	341.0
22.5°	332.8	335.1	336.3	338.6	339.8	339.8	342.1	342.1	342.1	342.1
25°	331.6	333.9	336.3	338.6	339.8	339.8	342.1	342.1	343.3	343.3
27.5°	329.2	331.6	335.1	337.4	338.6	339.8	341.0	342.1	342.1	342.1
30°	325.7	329.2	332.8	335.1	336.3	337.4	338.6	339.8	341.0	341.0
32.5°	321.0	324.6	328.1	331.6	332.8	333.9	336.3	337.4	337.4	337.4
35°	316.4	319.9	323.4	326.9	328.1	329.2	331.6	332.8	333.9	333.9
37.5°	309.3	312.8	316.4	319.9	321.0	323.4	325.7	326.9	326.9	326.9
40°	298.8	304.6	309.3	312.8	314.0	316.4	317.5	319.9	319.9	319.9
42.5°	289.4	294.1	297.6	302.3	303.5	307.0	309.3	310.5	311.7	311.7
45°	278.9	283.5	287.1	290.6	291.7	294.1	296.4	297.6	298.8	300.0
47.5°	268.3	271.8	275.3	278.9	280.0	282.4	284.7	285.9	287.1	287.1
50°	255.4	258.9	262.5	266.0	267.1	269.5	270.7	271.8	273.0	273.0
52.5°	241.4	244.9	248.4	251.9	253.1	254.3	256.6	257.8	258.9	258.9
55°	227.3	230.8	233.2	236.7	237.9	239.0	240.2	242.5	243.7	242.5
57.5°	210.9	214.4	216.8	220.3	221.4	222.6	223.8	225.0	226.1	226.1
60°	193.3	196.8	200.4	202.7	203.9	205.0	206.2	207.4	208.6	208.6
62.5°	175.8	179.3	181.6	185.1	186.3	186.3	187.5	188.6	189.8	189.8
65°	158.2	161.7	162.9	166.4	166.4	167.6	168.7	169.9	169.9	169.9
67.5°	139.4	142.9	144.1	146.5	146.5	147.6	148.8	150.0	150.0	150.0
70°	121.9	123.0	125.4	126.5	127.7	127.7	128.9	130.1	131.2	130.1
72.5°	103.1	104.3	106.6	107.8	107.8	109.0	109.0	110.1	111.3	111.3
75°	84.4	86.7	87.9	89.0	90.2	90.2	91.4	92.6	92.6	92.6
77.5°	66.8	69.1	70.3	71.5	72.6	72.6	73.8	73.8	75.0	73.8
80°	51.6	52.7	53.9	55.1	56.2	56.2	57.4	58.6	58.6	58.6
82.5°	37.5	38.7	41.0	42.2	42.2	42.2	44.5	44.5	45.7	44.5
85°	25.8	26.9	29.3	30.5	31.6	31.6	31.6	32.8	34.0	32.8
87.5°	16.4	18.7	19.9	21.1	21.1	21.1	22.3	23.4	23.4	23.4
90°	9.4	9.4	10.5	11.7	11.7	12.9	12.9	14.1	14.1	14.1
92.5°	9.4	10.5	10.5	10.5	11.7	11.7	11.7	12.9	12.9	12.9
95°	79.7	57.4	32.8	25.8	22.3	22.3	21.1	22.3	21.1	21.1
97.5°	241.4	261.3	270.7	283.5	290.6	289.4	284.7	289.4	285.9	289.4
100°	343.3	362.0	376.1	379.6	386.7	390.2	403.1	412.4	417.1	423.0
102.5°	426.5	448.8	465.2	474.5	481.6	486.2	501.5	515.5	522.6	527.3
105°	502.7	526.1	546.0	555.4	563.6	568.3	584.7	601.1	611.6	617.5
107.5°	563.6	590.5	611.6	625.7	633.9	642.1	662.0	678.4	691.3	697.1
110°	618.6	645.6	667.9	684.3	693.6	701.8	724.1	742.8	756.9	763.9



TEST NUMBER: P395431

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	664.3	693.6	715.9	733.5	742.8	754.6	775.7	796.7	810.8	819.0
115°	701.8	732.3	755.7	774.5	785.0	795.6	820.2	841.3	855.3	861.2
117.5°	733.5	763.9	788.5	807.3	819.0	830.7	855.3	874.1	889.3	894.0
120°	759.2	789.7	814.3	835.4	847.1	857.7	881.1	901.0	915.1	918.6
122.5°	776.8	808.5	834.2	857.7	868.2	878.8	901.0	920.9	933.8	937.3
125°	789.7	822.5	848.3	872.9	883.4	894.0	915.1	935.0	945.5	950.2
127.5°	797.9	830.7	858.8	882.3	894.0	903.4	924.5	942.0	952.6	956.1
130°	800.3	834.2	862.4	887.0	897.5	906.9	926.8	944.4	953.7	956.1
132.5°	800.3	833.1	862.4	885.8	896.3	905.7	924.5	940.9	950.2	952.6
135°	795.6	827.2	856.5	879.9	890.5	899.9	918.6	932.7	942.0	943.2
137.5°	787.4	817.8	846.0	869.4	879.9	889.3	905.7	920.9	929.1	931.5
140°	776.8	804.9	833.1	855.3	865.9	874.1	890.5	903.4	911.6	913.9
142.5°	762.8	790.9	816.7	838.9	847.1	856.5	870.6	883.4	890.5	892.8
145°	747.5	774.5	797.9	817.8	827.2	835.4	848.3	860.0	867.0	869.4
147.5°	727.6	754.6	776.8	795.6	803.8	812.0	823.7	834.2	841.3	843.6
150°	703.0	727.6	751.0	768.6	776.8	785.0	796.7	806.1	813.1	814.3
152.5°	678.4	701.8	721.8	739.3	747.5	755.7	766.3	775.7	783.9	783.9
155°	655.0	674.9	693.6	708.9	715.9	722.9	733.5	741.7	748.7	748.7
157.5°	630.4	649.1	664.3	678.4	684.3	690.1	699.5	706.5	712.4	711.2
160°	606.9	621.0	635.1	646.8	652.6	657.3	664.3	670.2	676.1	674.9
162.5°	581.2	594.0	605.8	614.0	618.6	622.2	629.2	635.1	638.6	638.6
165°	551.9	563.6	574.1	582.3	587.0	589.4	595.2	598.7	602.2	602.2
167.5°	521.4	530.8	540.1	547.2	551.9	554.2	560.1	562.4	567.1	565.9
170°	490.9	498.0	505.0	510.9	513.2	515.5	520.2	522.6	524.9	524.9
172.5°	466.3	468.7	472.2	476.9	476.9	478.0	480.4	481.6	482.7	482.7
175°	452.3	453.4	453.4	453.4	453.4	453.4	454.6	453.4	454.6	453.4
177.5°	446.4	446.4	445.2	445.2	444.1	445.2	444.1	442.9	442.9	441.7
180°	444.1	444.1	444.1	444.1	444.1	444.1	444.1	444.1	444.1	444.1

(END OF REPORT)