

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: P395711

Luminaire Tested: **I3-UL-40L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395711
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-UL-40L92765-1D-UNV-W2A-W-4 (2700K)
Description: CORELITE I3, OPEN TOP
4000 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: 3165.7 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.54 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

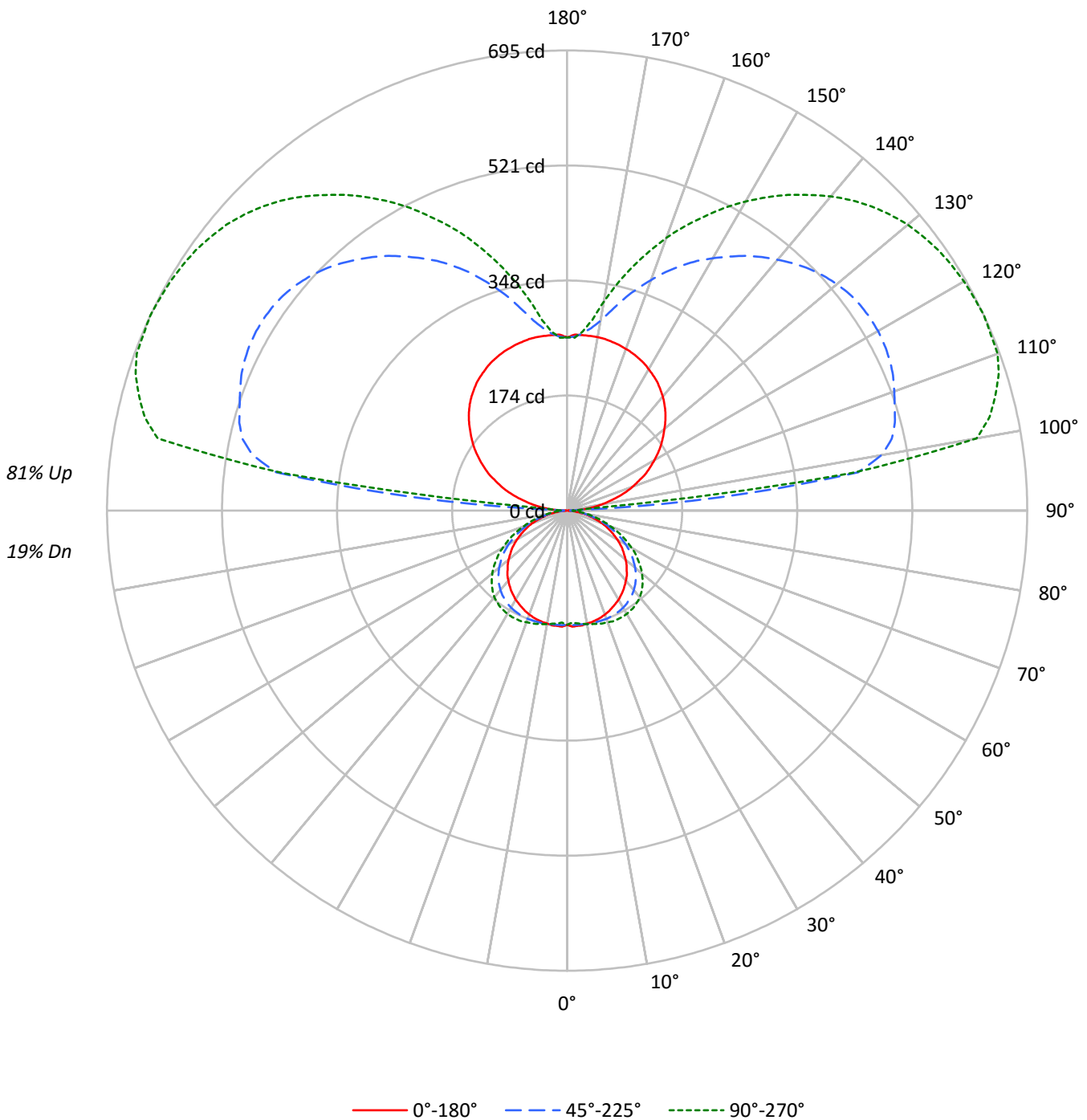
Input Watts (W): 27.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P395711

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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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19
1	91	87	83	79	80	76	73	71	58	56	54	40	39	38	24	24	23	16
2	82	75	69	64	72	67	62	58	50	47	44	35	33	31	21	20	19	13
3	75	66	59	53	66	58	52	48	44	40	37	31	28	26	19	17	16	11
4	68	58	51	45	60	51	45	40	39	35	31	27	24	22	16	15	14	9
5	63	51	44	38	55	46	39	34	35	30	26	24	21	19	15	13	12	8
6	57	46	38	33	50	41	34	29	31	26	23	22	19	16	13	12	10	7
7	53	41	34	28	46	37	30	25	28	23	20	20	17	14	12	10	9	6
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5
9	45	34	26	22	40	30	24	20	23	18	15	16	13	11	10	8	7	5
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	8	6	4

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	948	948	948
5°	961	934	916
10°	959	928	917
15°	962	924	925
20°	962	928	936
25°	960	930	950
30°	962	932	959
35°	961	927	963
40°	957	920	958
45°	948	901	937
50°	940	871	903
55°	923	829	851
60°	895	769	783
65°	856	685	699
70°	809	594	589
75°	700	466	472
80°	556	335	342
85°	331	195	226



TEST NUMBER: P395711

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (2700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.5	0.5
10°-20°	49.2	1.6
20°-30°	79.1	2.5
30°-40°	101.8	3.2
40°-50°	111.9	3.5
50°-60°	105.1	3.3
60°-70°	81.7	2.6
70°-80°	46.9	1.5
80°-90°	15.0	0.5
90°-100°	202.4	6.4
100°-110°	480.9	15.2
110°-120°	483.1	15.3
120°-130°	443.0	14.0
130°-140°	370.4	11.7
140°-150°	278.0	8.8
150°-160°	181.0	5.7
160°-170°	93.2	2.9
170°-180°	26.4	0.8
0°-30°	144.8	4.6
0°-40°	246.7	7.8
0°-60°	463.7	14.6
0°-90°	607.3	19.2
90°-120°	1166.4	36.8
90°-150°	2257.9	71.3
90°-180°	2558.0	80.8
0°-180°	3165.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	172	172	172	172	172	
5°	175	173	173	172	171	17
15°	171	170	174	176	177	48
25°	162	163	172	179	181	75
35°	148	151	164	174	177	92
45°	127	133	147	158	161	98
55°	102	108	119	128	131	91
65°	72	76	83	90	92	71
75°	38	40	44	48	50	41
85°	8	9	12	16	17	9
90°	1	2	5	7	8	2
95°	27	226	232	31	26	27
105°	79	304	513	632	669	83
115°	130	342	538	654	695	128
125°	173	356	541	648	685	155
135°	210	355	516	614	650	162
145°	237	340	470	552	582	148
155°	254	312	408	467	490	117
165°	264	282	331	367	381	75
175°	266	265	268	272	272	25
180°	261	261	261	261	261	



TEST NUMBER: P395711

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4
2.5°	175.5	174.8	174.0	174.0	173.2	173.2	173.2	172.4	172.4	172.4	173.2
5°	174.8	174.8	174.0	173.2	173.2	173.2	172.4	172.4	172.4	172.4	173.2
7.5°	174.8	174.0	173.2	173.2	172.4	172.4	172.4	172.4	172.4	172.4	173.2
10°	173.2	173.2	172.4	172.4	171.6	172.4	172.4	172.4	172.4	172.4	174.0
12.5°	172.4	172.4	171.6	170.9	170.9	170.9	171.6	171.6	171.6	172.4	174.0
15°	170.9	170.9	170.1	170.1	170.1	170.1	170.9	170.9	171.6	172.4	174.0
17.5°	169.3	169.3	168.5	168.5	168.5	169.3	169.3	170.1	170.9	172.4	174.0
20°	167.0	167.0	167.0	167.0	167.0	167.7	167.7	168.5	170.1	171.6	174.0
22.5°	164.6	164.6	164.6	164.6	164.6	165.4	166.2	167.7	168.5	170.9	173.2
25°	161.5	161.5	161.5	161.5	162.3	163.1	163.8	165.4	167.0	169.3	172.4
27.5°	158.4	159.2	159.2	159.2	159.9	160.7	161.5	163.1	165.4	168.5	170.9
30°	155.3	155.3	155.3	156.0	156.8	157.6	159.2	160.7	163.1	166.2	169.3
32.5°	151.4	151.4	152.1	152.1	153.7	154.5	156.0	158.4	160.7	163.8	167.0
35°	147.5	147.5	147.5	149.0	149.8	151.4	152.1	154.5	157.6	160.7	163.8
37.5°	142.8	143.6	143.6	144.3	145.9	147.5	148.2	151.4	154.5	157.6	160.7
40°	138.1	138.9	138.9	139.7	142.0	142.8	144.3	147.5	149.8	153.7	156.8
42.5°	133.4	133.4	134.2	135.0	137.3	138.1	139.7	142.8	145.9	149.0	152.1
45°	127.2	127.9	128.7	129.5	131.9	133.4	135.0	137.3	140.4	143.6	146.7
47.5°	121.7	121.7	122.5	124.0	126.4	127.9	128.7	131.9	134.2	137.3	140.4
50°	115.5	116.2	116.2	117.8	120.1	121.7	122.5	125.6	127.9	131.1	134.2
52.5°	108.4	109.2	110.0	111.6	113.9	115.5	116.2	118.6	120.9	124.0	126.4
55°	102.2	103.0	103.0	104.5	106.9	107.7	109.2	110.8	113.9	116.2	119.4
57.5°	95.2	96.0	96.0	97.5	99.1	100.6	101.4	103.8	106.1	108.4	110.8
60°	87.4	88.2	88.9	89.7	91.3	92.8	93.6	95.2	97.5	99.9	102.2
62.5°	79.6	80.4	81.1	81.9	83.5	84.3	85.0	87.4	88.9	91.3	92.8
65°	71.8	72.6	73.3	74.1	74.9	75.7	76.5	78.0	79.6	81.9	82.7
67.5°	64.0	64.8	64.8	65.5	66.3	67.1	67.9	69.4	70.2	72.6	73.3
70°	56.2	56.2	56.2	57.0	57.0	57.7	58.5	60.1	60.9	62.4	64.0
72.5°	46.8	47.6	47.6	47.6	48.4	49.2	49.9	50.7	51.5	52.3	53.8
75°	38.2	39.0	38.2	39.0	39.8	39.8	40.6	41.3	42.1	42.9	43.7
77.5°	30.4	29.6	30.4	30.4	31.2	31.2	31.2	32.0	33.5	33.5	35.1
80°	21.8	21.8	21.8	21.8	22.6	22.6	23.4	23.4	25.0	25.7	26.5
82.5°	14.0	14.0	14.8	14.8	14.8	15.6	15.6	16.4	17.2	17.9	18.7
85°	7.8	7.8	7.8	8.6	8.6	9.4	9.4	10.1	10.9	11.7	12.5
87.5°	2.3	3.1	3.9	3.9	4.7	4.7	5.5	5.5	7.0	7.8	8.6
90°	0.8	0.8	1.6	1.6	1.6	2.3	2.3	3.1	3.1	3.9	4.7
92.5°	13.3	31.2	64.8	96.7	83.5	78.0	46.8	14.0	12.5	13.3	13.3
95°	27.3	51.5	94.4	152.9	198.2	226.3	245.0	280.9	317.5	311.3	232.5
97.5°	39.8	66.3	113.9	167.7	230.2	262.1	286.3	329.2	376.0	415.1	443.1
100°	52.3	79.6	130.3	186.5	244.2	273.1	301.2	359.7	405.7	444.7	482.2
102.5°	65.5	92.8	145.1	203.6	260.6	288.7	316.0	367.5	419.0	465.8	502.4
105°	78.8	106.9	158.4	218.5	275.4	303.5	330.0	379.2	426.8	470.4	512.6
107.5°	92.8	119.4	170.1	230.2	287.1	315.2	341.7	390.9	436.9	480.6	518.8
110°	105.3	131.1	181.8	241.1	298.0	326.1	352.6	401.8	447.0	488.4	525.8



TEST NUMBER: P395711

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	117.0	142.0	192.7	250.4	306.6	334.7	360.4	409.6	454.8	495.4	532.9
115°	130.3	152.1	203.6	259.0	314.4	341.7	367.5	415.8	461.1	500.9	537.5
117.5°	141.2	162.3	213.0	266.0	320.7	347.2	372.1	420.5	465.0	504.8	540.7
120°	152.1	171.6	221.6	272.3	325.3	351.1	376.0	423.6	468.1	507.1	542.2
122.5°	163.1	181.0	228.6	278.5	329.2	355.0	379.2	426.0	469.7	507.9	542.2
125°	173.2	188.8	234.8	283.2	331.6	356.5	379.9	426.0	468.9	506.3	540.7
127.5°	182.6	197.4	239.5	287.9	333.1	357.3	379.9	424.4	467.3	504.0	537.5
130°	191.9	205.2	244.2	290.2	334.7	356.5	378.4	421.3	463.4	500.1	532.1
132.5°	201.3	213.8	248.1	292.6	335.5	356.5	376.8	418.2	458.7	494.6	525.1
135°	209.9	220.0	252.0	294.1	334.7	355.0	373.7	412.7	451.7	486.8	516.5
137.5°	217.7	226.3	255.1	294.9	333.9	352.6	371.4	406.5	443.1	477.5	506.3
140°	224.7	232.5	256.7	294.9	330.8	349.5	366.7	400.2	433.8	466.5	494.6
142.5°	230.9	238.0	259.0	293.3	327.7	345.6	362.0	394.0	424.4	455.6	482.9
145°	237.2	242.6	260.6	292.6	323.8	340.2	355.8	386.2	415.8	443.9	469.7
147.5°	241.9	247.3	262.1	289.4	319.1	333.9	348.7	377.6	404.9	431.4	454.8
150°	246.5	251.2	262.9	286.3	313.6	326.9	340.2	367.5	394.0	418.2	440.0
152.5°	251.2	254.3	265.3	283.2	307.4	319.9	333.1	357.3	381.5	404.1	425.2
155°	254.3	256.7	266.0	280.1	301.2	312.1	323.0	345.6	367.5	388.5	408.0
157.5°	257.5	259.8	266.8	277.7	294.1	304.3	313.6	333.1	353.4	372.1	390.1
160°	259.8	261.4	266.8	276.2	287.9	294.9	303.5	321.4	338.6	355.0	370.6
162.5°	262.1	262.9	266.8	273.8	282.4	287.1	293.3	307.4	323.0	337.0	351.1
165°	263.7	264.5	266.8	272.3	277.7	281.6	284.8	294.9	306.6	319.1	330.8
167.5°	265.3	265.3	266.8	270.7	273.8	276.2	278.5	284.0	291.8	301.2	309.7
170°	266.0	266.0	266.8	269.2	271.5	272.3	273.8	277.0	280.9	285.5	291.0
172.5°	266.0	266.0	266.0	267.6	268.4	268.4	268.4	269.9	272.3	275.4	277.7
175°	266.0	265.3	265.3	266.0	265.3	265.3	265.3	265.3	266.0	267.6	268.4
177.5°	266.0	265.3	264.5	264.5	263.7	263.7	262.9	262.9	262.9	262.9	262.9
180°	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4



TEST NUMBER: P395711

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4	172.4
2.5°	173.2	173.2	172.4	171.6	171.6	171.6	170.9	170.1	169.3	169.3
5°	173.2	173.2	172.4	172.4	172.4	172.4	171.6	171.6	170.9	170.9
7.5°	174.0	173.2	173.2	173.2	173.2	173.2	173.2	173.2	172.4	172.4
10°	174.0	174.0	174.0	174.0	174.0	174.0	174.0	174.0	174.0	174.0
12.5°	174.8	174.8	174.8	174.8	175.5	175.5	175.5	175.5	175.5	175.5
15°	174.8	175.5	176.3	176.3	176.3	177.1	177.1	177.1	177.1	177.1
17.5°	175.5	176.3	177.1	177.1	177.9	177.9	178.7	178.7	178.7	178.7
20°	175.5	176.3	177.1	177.9	178.7	178.7	179.4	180.2	180.2	179.4
22.5°	174.8	176.3	177.1	177.9	178.7	179.4	180.2	181.0	181.0	181.0
25°	174.0	175.5	177.1	178.7	178.7	179.4	181.0	181.0	181.0	181.0
27.5°	173.2	174.8	176.3	177.9	178.7	179.4	180.2	181.0	181.0	181.0
30°	171.6	174.0	175.5	177.1	177.9	178.7	179.4	180.2	180.2	180.2
32.5°	169.3	171.6	173.2	175.5	176.3	177.1	177.9	178.7	178.7	178.7
35°	167.0	169.3	170.9	173.2	174.0	174.8	176.3	176.3	177.1	177.1
37.5°	163.1	166.2	167.7	170.1	170.9	171.6	173.2	174.0	174.0	174.0
40°	159.2	162.3	163.8	166.2	167.0	167.7	169.3	170.1	170.9	170.9
42.5°	154.5	157.6	159.2	161.5	162.3	163.1	164.6	165.4	166.2	166.2
45°	149.8	152.1	153.7	156.0	157.6	157.6	159.2	159.9	160.7	160.7
47.5°	143.6	145.9	147.5	149.8	151.4	152.1	152.9	153.7	154.5	154.5
50°	136.5	138.9	141.2	142.8	144.3	144.3	145.9	146.7	147.5	147.5
52.5°	129.5	131.1	133.4	135.8	136.5	137.3	138.1	138.9	139.7	139.7
55°	121.7	123.3	125.6	127.2	127.9	128.7	129.5	130.3	131.1	131.1
57.5°	113.1	114.7	117.0	118.6	119.4	120.1	120.9	121.7	122.5	122.5
60°	103.8	105.3	107.7	109.2	110.0	110.0	111.6	112.3	112.3	112.3
62.5°	94.4	96.0	97.5	99.1	99.9	100.6	101.4	102.2	102.2	102.2
65°	85.0	86.6	88.2	88.9	89.7	89.7	90.5	91.3	92.1	92.1
67.5°	74.9	76.5	78.0	78.8	79.6	79.6	80.4	81.1	81.1	81.1
70°	64.8	65.5	67.1	67.9	68.7	68.7	70.2	70.2	70.2	70.2
72.5°	54.6	55.4	57.0	57.7	58.5	58.5	59.3	60.1	60.1	60.1
75°	45.3	46.0	46.8	48.4	48.4	48.4	49.2	49.9	49.9	49.9
77.5°	35.9	36.7	37.4	38.2	39.0	39.0	39.8	40.6	40.6	40.6
80°	27.3	28.1	28.9	29.6	29.6	30.4	30.4	31.2	31.2	31.2
82.5°	19.5	20.3	21.1	21.8	22.6	22.6	23.4	24.2	24.2	23.4
85°	13.3	14.8	15.6	16.4	16.4	16.4	17.2	17.9	17.9	17.2
87.5°	9.4	9.4	10.1	10.9	10.9	11.7	11.7	12.5	12.5	12.5
90°	5.5	5.5	6.2	6.2	7.0	7.0	7.0	7.8	7.8	7.8
92.5°	13.3	13.3	14.0	14.0	14.0	14.0	14.8	14.8	14.8	14.8
95°	142.0	64.0	53.8	32.8	31.2	27.3	26.5	27.3	27.3	26.5
97.5°	476.7	510.2	531.3	541.4	529.0	515.7	500.9	498.5	478.3	433.0
100°	514.1	540.7	566.4	584.4	591.4	597.6	611.7	620.2	624.1	628.0
102.5°	532.9	561.0	583.6	606.2	615.6	624.1	636.6	646.8	650.7	653.8
105°	549.2	578.1	603.1	623.4	631.9	639.7	652.2	661.6	668.6	669.4
107.5°	553.1	583.6	611.7	636.6	646.8	655.4	670.2	677.2	683.4	683.4
110°	560.2	589.0	614.8	637.4	647.6	657.7	673.3	684.2	690.5	692.0



TEST NUMBER: P395711

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	565.6	595.3	619.5	642.1	650.7	660.0	674.9	685.0	690.5	692.8
115°	570.3	599.2	623.4	644.4	653.8	663.2	678.0	686.6	692.8	695.1
117.5°	573.4	601.5	625.7	645.2	655.4	663.2	677.2	686.6	692.8	693.6
120°	574.2	602.3	625.7	645.2	653.8	662.4	676.4	685.8	692.0	692.0
122.5°	574.2	601.5	624.9	643.7	651.5	659.3	672.5	683.4	688.9	688.9
125°	571.1	598.4	621.0	639.7	647.6	654.6	668.6	678.8	684.2	685.0
127.5°	566.4	592.9	615.6	634.3	642.1	648.3	663.2	672.5	678.0	678.8
130°	560.2	586.7	608.5	626.5	634.3	641.3	653.8	663.9	670.2	671.7
132.5°	553.1	578.1	600.0	617.1	624.9	631.2	643.7	653.8	659.3	661.6
135°	544.6	568.0	589.0	606.2	614.0	620.2	631.9	642.1	647.6	649.9
137.5°	533.6	556.3	576.6	593.7	600.7	607.0	618.7	628.0	632.7	635.8
140°	521.2	542.2	563.3	578.9	585.9	592.2	602.3	612.4	617.1	619.5
142.5°	507.9	529.0	547.7	563.3	569.5	575.8	585.9	595.3	600.0	600.7
145°	493.9	514.1	531.3	546.1	551.6	557.8	567.2	576.6	581.2	582.0
147.5°	478.3	497.0	513.4	527.4	533.6	538.3	546.9	555.5	560.2	561.0
150°	460.3	477.5	492.3	506.3	511.8	516.5	525.8	533.6	538.3	539.1
152.5°	443.1	459.5	472.0	484.5	490.0	494.6	502.4	510.2	514.9	515.7
155°	425.2	440.0	452.5	462.6	467.3	472.0	478.3	485.3	489.2	490.0
157.5°	406.5	420.5	431.4	440.8	445.5	449.4	454.8	461.1	463.4	465.0
160°	386.2	397.9	407.3	416.6	420.5	424.4	429.9	434.6	437.7	438.5
162.5°	364.3	374.5	382.3	390.9	393.2	396.3	401.8	406.5	408.8	409.6
165°	341.7	351.1	358.1	365.1	366.7	369.0	372.9	377.6	379.2	380.7
167.5°	319.1	326.9	331.6	337.8	340.2	341.7	345.6	348.7	350.3	351.1
170°	297.2	302.7	306.6	311.3	312.1	314.4	316.8	319.9	320.7	320.7
172.5°	280.1	282.4	284.8	286.3	287.1	287.9	289.4	290.2	290.2	290.2
175°	269.2	270.7	270.7	271.5	271.5	271.5	271.5	271.5	271.5	271.5
177.5°	262.9	262.9	262.9	262.1	262.1	262.1	262.1	261.4	261.4	261.4
180°	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4	261.4

(END OF REPORT)