

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: P395712

Luminaire Tested: **I3-UL-40L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395712
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 (3000K)
Description: CORELITE I3, OPEN TOP
4000 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: 3290.9 lumens
Efficiency: N/A
Efficacy: 119.2 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

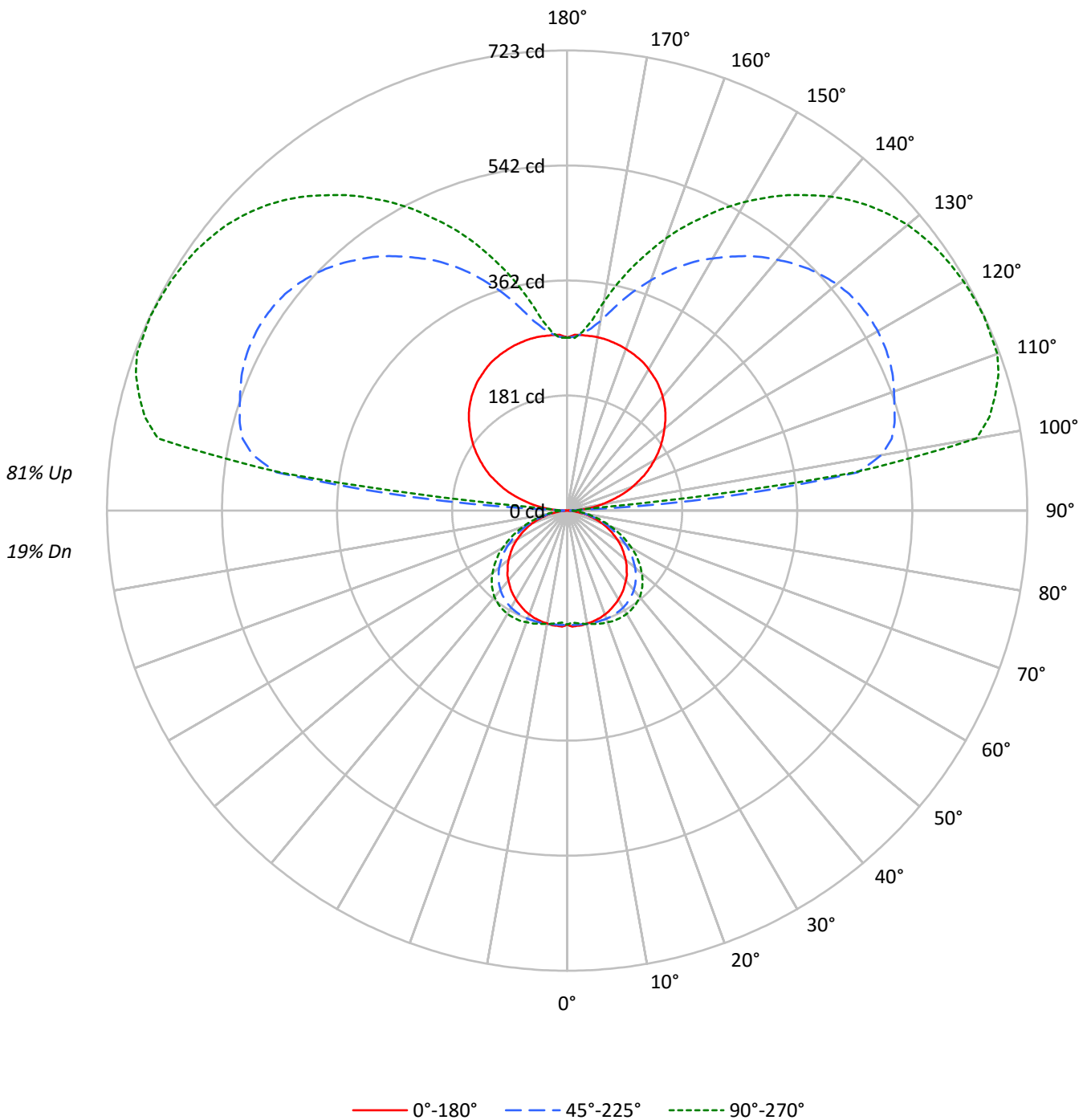
Input Watts (W): 27.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P395712

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (3000K)

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°	985	985	985
5°	999	971	952
10°	997	964	954
15°	999	961	962
20°	1000	965	973
25°	998	967	988
30°	1000	968	997
35°	999	963	1002
40°	995	956	996
45°	986	936	974
50°	977	906	938
55°	959	862	885
60°	930	799	814
65°	889	712	726
70°	840	618	612
75°	728	484	491
80°	579	348	355
85°	344	203	233



TEST NUMBER: P395712

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (3000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.2	0.5
10°-20°	51.1	1.6
20°-30°	82.3	2.5
30°-40°	105.9	3.2
40°-50°	116.3	3.5
50°-60°	109.3	3.3
60°-70°	84.9	2.6
70°-80°	48.7	1.5
80°-90°	15.6	0.5
90°-100°	210.4	6.4
100°-110°	499.9	15.2
110°-120°	502.2	15.3
120°-130°	460.5	14.0
130°-140°	385.1	11.7
140°-150°	289.0	8.8
150°-160°	188.2	5.7
160°-170°	96.9	2.9
170°-180°	27.4	0.8
0°-30°	150.6	4.6
0°-40°	256.4	7.8
0°-60°	482.0	14.6
0°-90°	631.3	19.2
90°-120°	1212.5	36.8
90°-150°	2347.1	71.3
90°-180°	2660.0	80.8
0°-180°	3290.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	179	179	179	179	179	
5°	182	180	180	179	178	17
15°	178	177	181	183	184	50
25°	168	170	179	186	188	77
35°	153	157	170	181	184	96
45°	132	139	152	164	167	102
55°	106	112	124	133	136	95
65°	75	79	86	93	96	74
75°	40	41	45	50	52	42
85°	8	10	13	17	18	10
90°	1	2	5	7	8	2
95°	28	235	242	32	28	28
105°	82	316	533	657	696	87
115°	135	355	559	680	723	133
125°	180	371	562	673	712	161
135°	218	369	537	638	676	168
145°	247	354	488	573	605	154
155°	264	324	424	486	509	122
165°	274	293	344	381	396	78
175°	277	276	279	282	282	26
180°	272	272	272	272	272	



TEST NUMBER: P395712

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	179.2	179.2	179.2	179.2	179.2	179.2	179.2	179.2	179.2	179.2	179.2
2.5°	182.5	181.7	180.9	180.9	180.0	180.0	180.0	179.2	179.2	179.2	180.0
5°	181.7	181.7	180.9	180.0	180.0	180.0	179.2	179.2	179.2	179.2	180.0
7.5°	181.7	180.9	180.0	180.0	179.2	179.2	179.2	179.2	179.2	179.2	180.0
10°	180.0	180.0	179.2	179.2	178.4	179.2	179.2	179.2	179.2	179.2	180.9
12.5°	179.2	179.2	178.4	177.6	177.6	177.6	178.4	178.4	178.4	179.2	180.9
15°	177.6	177.6	176.8	176.8	176.8	176.8	177.6	177.6	178.4	179.2	180.9
17.5°	176.0	176.0	175.2	175.2	175.2	176.0	176.0	176.8	177.6	179.2	180.9
20°	173.6	173.6	173.6	173.6	173.6	174.4	174.4	175.2	176.8	178.4	180.9
22.5°	171.1	171.1	171.1	171.1	171.1	171.9	172.7	174.4	175.2	177.6	180.0
25°	167.9	167.9	167.9	167.9	168.7	169.5	170.3	171.9	173.6	176.0	179.2
27.5°	164.6	165.5	165.5	165.5	166.3	167.1	167.9	169.5	171.9	175.2	177.6
30°	161.4	161.4	161.4	162.2	163.0	163.8	165.5	167.1	169.5	172.7	176.0
32.5°	157.3	157.3	158.2	158.2	159.8	160.6	162.2	164.6	167.1	170.3	173.6
35°	153.3	153.3	153.3	154.9	155.7	157.3	158.2	160.6	163.8	167.1	170.3
37.5°	148.4	149.2	149.2	150.0	151.7	153.3	154.1	157.3	160.6	163.8	167.1
40°	143.6	144.4	144.4	145.2	147.6	148.4	150.0	153.3	155.7	159.8	163.0
42.5°	138.7	138.7	139.5	140.3	142.7	143.6	145.2	148.4	151.7	154.9	158.2
45°	132.2	133.0	133.8	134.6	137.1	138.7	140.3	142.7	146.0	149.2	152.5
47.5°	126.5	126.5	127.3	129.0	131.4	133.0	133.8	137.1	139.5	142.7	146.0
50°	120.0	120.8	120.8	122.5	124.9	126.5	127.3	130.6	133.0	136.3	139.5
52.5°	112.7	113.5	114.4	116.0	118.4	120.0	120.8	123.3	125.7	129.0	131.4
55°	106.2	107.1	107.1	108.7	111.1	111.9	113.5	115.2	118.4	120.8	124.1
57.5°	98.9	99.8	99.8	101.4	103.0	104.6	105.4	107.9	110.3	112.7	115.2
60°	90.8	91.6	92.5	93.3	94.9	96.5	97.3	98.9	101.4	103.8	106.2
62.5°	82.7	83.5	84.3	85.2	86.8	87.6	88.4	90.8	92.5	94.9	96.5
65°	74.6	75.4	76.2	77.0	77.9	78.7	79.5	81.1	82.7	85.2	86.0
67.5°	66.5	67.3	67.3	68.1	68.9	69.7	70.6	72.2	73.0	75.4	76.2
70°	58.4	58.4	58.4	59.2	59.2	60.0	60.8	62.4	63.3	64.9	66.5
72.5°	48.7	49.5	49.5	49.5	50.3	51.1	51.9	52.7	53.5	54.3	56.0
75°	39.7	40.6	39.7	40.6	41.4	41.4	42.2	43.0	43.8	44.6	45.4
77.5°	31.6	30.8	31.6	31.6	32.4	32.4	32.4	33.3	34.9	34.9	36.5
80°	22.7	22.7	22.7	22.7	23.5	23.5	24.3	24.3	26.0	26.8	27.6
82.5°	14.6	14.6	15.4	15.4	15.4	16.2	16.2	17.0	17.8	18.7	19.5
85°	8.1	8.1	8.1	8.9	8.9	9.7	9.7	10.5	11.4	12.2	13.0
87.5°	2.4	3.2	4.1	4.1	4.9	4.9	5.7	5.7	7.3	8.1	8.9
90°	0.8	0.8	1.6	1.6	1.6	2.4	2.4	3.2	3.2	4.1	4.9
92.5°	13.8	32.4	67.3	100.6	86.8	81.1	48.7	14.6	13.0	13.8	13.8
95°	28.4	53.5	98.1	159.0	206.0	235.2	254.7	292.0	330.1	323.6	241.7
97.5°	41.4	68.9	118.4	174.4	239.3	272.5	297.6	342.3	390.9	431.5	460.7
100°	54.3	82.7	135.4	193.8	253.9	283.9	313.1	373.9	421.7	462.3	501.2
102.5°	68.1	96.5	150.9	211.7	270.9	300.1	328.5	382.0	435.5	484.2	522.3
105°	81.9	111.1	164.6	227.1	286.3	315.5	343.1	394.2	443.6	489.1	532.8
107.5°	96.5	124.1	176.8	239.3	298.5	327.7	355.2	406.3	454.2	499.6	539.3
110°	109.5	136.3	189.0	250.6	309.8	339.0	366.6	417.7	464.7	507.7	546.6



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CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	121.7	147.6	200.3	260.3	318.7	347.9	374.7	425.8	472.8	515.0	553.9
115°	135.4	158.2	211.7	269.3	326.8	355.2	382.0	432.3	479.3	520.7	558.8
117.5°	146.8	168.7	221.4	276.6	333.3	360.9	386.9	437.1	483.4	524.7	562.0
120°	158.2	178.4	230.3	283.0	338.2	365.0	390.9	440.4	486.6	527.2	563.7
122.5°	169.5	188.2	237.6	289.5	342.3	369.0	394.2	442.8	488.2	528.0	563.7
125°	180.0	196.3	244.1	294.4	344.7	370.6	395.0	442.8	487.4	526.4	562.0
127.5°	189.8	205.2	249.0	299.3	346.3	371.5	395.0	441.2	485.8	523.9	558.8
130°	199.5	213.3	253.9	301.7	347.9	370.6	393.4	438.0	481.8	519.9	553.1
132.5°	209.2	222.2	257.9	304.1	348.7	370.6	391.7	434.7	476.9	514.2	545.8
135°	218.2	228.7	262.0	305.8	347.9	369.0	388.5	429.0	469.6	506.1	536.9
137.5°	226.3	235.2	265.2	306.6	347.1	366.6	386.1	422.5	460.7	496.4	526.4
140°	233.6	241.7	266.8	306.6	343.9	363.3	381.2	416.1	450.9	485.0	514.2
142.5°	240.1	247.4	269.3	304.9	340.6	359.3	376.3	409.6	441.2	473.6	502.0
145°	246.6	252.2	270.9	304.1	336.6	353.6	369.8	401.5	432.3	461.5	488.2
147.5°	251.4	257.1	272.5	300.9	331.7	347.1	362.5	392.5	420.9	448.5	472.8
150°	256.3	261.2	273.3	297.6	326.0	339.8	353.6	382.0	409.6	434.7	457.4
152.5°	261.2	264.4	275.8	294.4	319.5	332.5	346.3	371.5	396.6	420.1	442.0
155°	264.4	266.8	276.6	291.2	313.1	324.4	335.8	359.3	382.0	403.9	424.2
157.5°	267.6	270.1	277.4	288.7	305.8	316.3	326.0	346.3	367.4	386.9	405.5
160°	270.1	271.7	277.4	287.1	299.3	306.6	315.5	334.1	352.0	369.0	385.2
162.5°	272.5	273.3	277.4	284.7	293.6	298.5	304.9	319.5	335.8	350.4	365.0
165°	274.1	274.9	277.4	283.0	288.7	292.8	296.0	306.6	318.7	331.7	343.9
167.5°	275.8	275.8	277.4	281.4	284.7	287.1	289.5	295.2	303.3	313.1	322.0
170°	276.6	276.6	277.4	279.8	282.2	283.0	284.7	287.9	292.0	296.8	302.5
172.5°	276.6	276.6	276.6	278.2	279.0	279.0	279.0	280.6	283.0	286.3	288.7
175°	276.6	275.8	275.8	276.6	275.8	275.8	275.8	275.8	276.6	278.2	279.0
177.5°	276.6	275.8	274.9	274.9	274.1	274.1	273.3	273.3	273.3	273.3	273.3
180°	271.7	271.7	271.7	271.7	271.7	271.7	271.7	271.7	271.7	271.7	271.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	179.2	179.2	179.2	179.2	179.2	179.2	179.2	179.2	179.2	179.2
2.5°	180.0	180.0	179.2	178.4	178.4	178.4	177.6	176.8	176.0	176.0
5°	180.0	180.0	179.2	179.2	179.2	179.2	178.4	178.4	177.6	177.6
7.5°	180.9	180.0	180.0	180.0	180.0	180.0	180.0	180.0	179.2	179.2
10°	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9
12.5°	181.7	181.7	181.7	181.7	182.5	182.5	182.5	182.5	182.5	182.5
15°	181.7	182.5	183.3	183.3	183.3	184.1	184.1	184.1	184.1	184.1
17.5°	182.5	183.3	184.1	184.1	184.9	184.9	185.7	185.7	185.7	185.7
20°	182.5	183.3	184.1	184.9	185.7	185.7	186.5	187.3	187.3	186.5
22.5°	181.7	183.3	184.1	184.9	185.7	186.5	187.3	188.2	188.2	188.2
25°	180.9	182.5	184.1	185.7	185.7	186.5	188.2	188.2	188.2	188.2
27.5°	180.0	181.7	183.3	184.9	185.7	186.5	187.3	188.2	188.2	188.2
30°	178.4	180.9	182.5	184.1	184.9	185.7	186.5	187.3	187.3	187.3
32.5°	176.0	178.4	180.0	182.5	183.3	184.1	184.9	185.7	185.7	185.7
35°	173.6	176.0	177.6	180.0	180.9	181.7	183.3	183.3	184.1	184.1
37.5°	169.5	172.7	174.4	176.8	177.6	178.4	180.0	180.9	180.9	180.9
40°	165.5	168.7	170.3	172.7	173.6	174.4	176.0	176.8	177.6	177.6
42.5°	160.6	163.8	165.5	167.9	168.7	169.5	171.1	171.9	172.7	172.7
45°	155.7	158.2	159.8	162.2	163.8	163.8	165.5	166.3	167.1	167.1
47.5°	149.2	151.7	153.3	155.7	157.3	158.2	159.0	159.8	160.6	160.6
50°	141.9	144.4	146.8	148.4	150.0	150.0	151.7	152.5	153.3	153.3
52.5°	134.6	136.3	138.7	141.1	141.9	142.7	143.6	144.4	145.2	145.2
55°	126.5	128.1	130.6	132.2	133.0	133.8	134.6	135.4	136.3	136.3
57.5°	117.6	119.2	121.7	123.3	124.1	124.9	125.7	126.5	127.3	127.3
60°	107.9	109.5	111.9	113.5	114.4	114.4	116.0	116.8	116.8	116.8
62.5°	98.1	99.8	101.4	103.0	103.8	104.6	105.4	106.2	106.2	106.2
65°	88.4	90.0	91.6	92.5	93.3	93.3	94.1	94.9	95.7	95.7
67.5°	77.9	79.5	81.1	81.9	82.7	82.7	83.5	84.3	84.3	84.3
70°	67.3	68.1	69.7	70.6	71.4	71.4	73.0	73.0	73.0	73.0
72.5°	56.8	57.6	59.2	60.0	60.8	60.8	61.6	62.4	62.4	62.4
75°	47.0	47.9	48.7	50.3	50.3	50.3	51.1	51.9	51.9	51.9
77.5°	37.3	38.1	38.9	39.7	40.6	40.6	41.4	42.2	42.2	42.2
80°	28.4	29.2	30.0	30.8	30.8	31.6	31.6	32.4	32.4	32.4
82.5°	20.3	21.1	21.9	22.7	23.5	23.5	24.3	25.1	25.1	24.3
85°	13.8	15.4	16.2	17.0	17.0	17.0	17.8	18.7	18.7	17.8
87.5°	9.7	9.7	10.5	11.4	11.4	12.2	12.2	13.0	13.0	13.0
90°	5.7	5.7	6.5	6.5	7.3	7.3	7.3	8.1	8.1	8.1
92.5°	13.8	13.8	14.6	14.6	14.6	14.6	15.4	15.4	15.4	15.4
95°	147.6	66.5	56.0	34.1	32.4	28.4	27.6	28.4	28.4	27.6
97.5°	495.5	530.4	552.3	562.9	549.9	536.1	520.7	518.2	497.2	450.1
100°	534.5	562.0	588.8	607.5	614.8	621.2	635.8	644.8	648.8	652.9
102.5°	553.9	583.1	606.7	630.2	639.9	648.8	661.8	672.3	676.4	679.6
105°	571.0	601.0	626.9	648.0	656.9	665.0	678.0	687.8	695.1	695.9
107.5°	575.0	606.7	635.8	661.8	672.3	681.3	696.7	704.0	710.5	710.5
110°	582.3	612.3	639.1	662.6	673.2	683.7	699.9	711.3	717.8	719.4



TEST NUMBER: P395712

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	588.0	618.8	644.0	667.5	676.4	686.1	701.5	712.1	717.8	720.2
115°	592.9	622.9	648.0	669.9	679.6	689.4	704.8	713.7	720.2	722.6
117.5°	596.1	625.3	650.4	670.7	681.3	689.4	704.0	713.7	720.2	721.0
120°	596.9	626.1	650.4	670.7	679.6	688.6	703.2	712.9	719.4	719.4
122.5°	596.9	625.3	649.6	669.1	677.2	685.3	699.1	710.5	716.1	716.1
125°	593.7	622.1	645.6	665.0	673.2	680.5	695.1	705.6	711.3	712.1
127.5°	588.8	616.4	639.9	659.4	667.5	674.0	689.4	699.1	704.8	705.6
130°	582.3	609.9	632.6	651.3	659.4	666.7	679.6	690.2	696.7	698.3
132.5°	575.0	601.0	623.7	641.5	649.6	656.1	669.1	679.6	685.3	687.8
135°	566.1	590.4	612.3	630.2	638.3	644.8	656.9	667.5	673.2	675.6
137.5°	554.7	578.3	599.4	617.2	624.5	631.0	643.1	652.9	657.7	661.0
140°	541.8	563.7	585.6	601.8	609.1	615.6	626.1	636.7	641.5	644.0
142.5°	528.0	549.9	569.3	585.6	592.1	598.5	609.1	618.8	623.7	624.5
145°	513.4	534.5	552.3	567.7	573.4	579.9	589.6	599.4	604.2	605.0
147.5°	497.2	516.6	533.7	548.3	554.7	559.6	568.5	577.5	582.3	583.1
150°	478.5	496.4	511.8	526.4	532.0	536.9	546.6	554.7	559.6	560.4
152.5°	460.7	477.7	490.7	503.7	509.3	514.2	522.3	530.4	535.3	536.1
155°	442.0	457.4	470.4	480.9	485.8	490.7	497.2	504.5	508.5	509.3
157.5°	422.5	437.1	448.5	458.2	463.1	467.2	472.8	479.3	481.8	483.4
160°	401.5	413.6	423.4	433.1	437.1	441.2	446.9	451.7	455.0	455.8
162.5°	378.8	389.3	397.4	406.3	408.8	412.0	417.7	422.5	425.0	425.8
165°	355.2	365.0	372.3	379.6	381.2	383.6	387.7	392.5	394.2	395.8
167.5°	331.7	339.8	344.7	351.2	353.6	355.2	359.3	362.5	364.2	365.0
170°	309.0	314.7	318.7	323.6	324.4	326.8	329.3	332.5	333.3	333.3
172.5°	291.2	293.6	296.0	297.6	298.5	299.3	300.9	301.7	301.7	301.7
175°	279.8	281.4	281.4	282.2	282.2	282.2	282.2	282.2	282.2	282.2
177.5°	273.3	273.3	273.3	272.5	272.5	272.5	272.5	271.7	271.7	271.7
180°	271.7	271.7	271.7	271.7	271.7	271.7	271.7	271.7	271.7	271.7

(END OF REPORT)