

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: P395689

Luminaire Tested: **I3-UL-30L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395689
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-30L92765-1D-UNV-W2A-W-4 (4500K)
Description: CORELITE I3, OPEN TOP
3000 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: 2745.6 lumens
Efficiency: N/A
Efficacy: 130.1 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

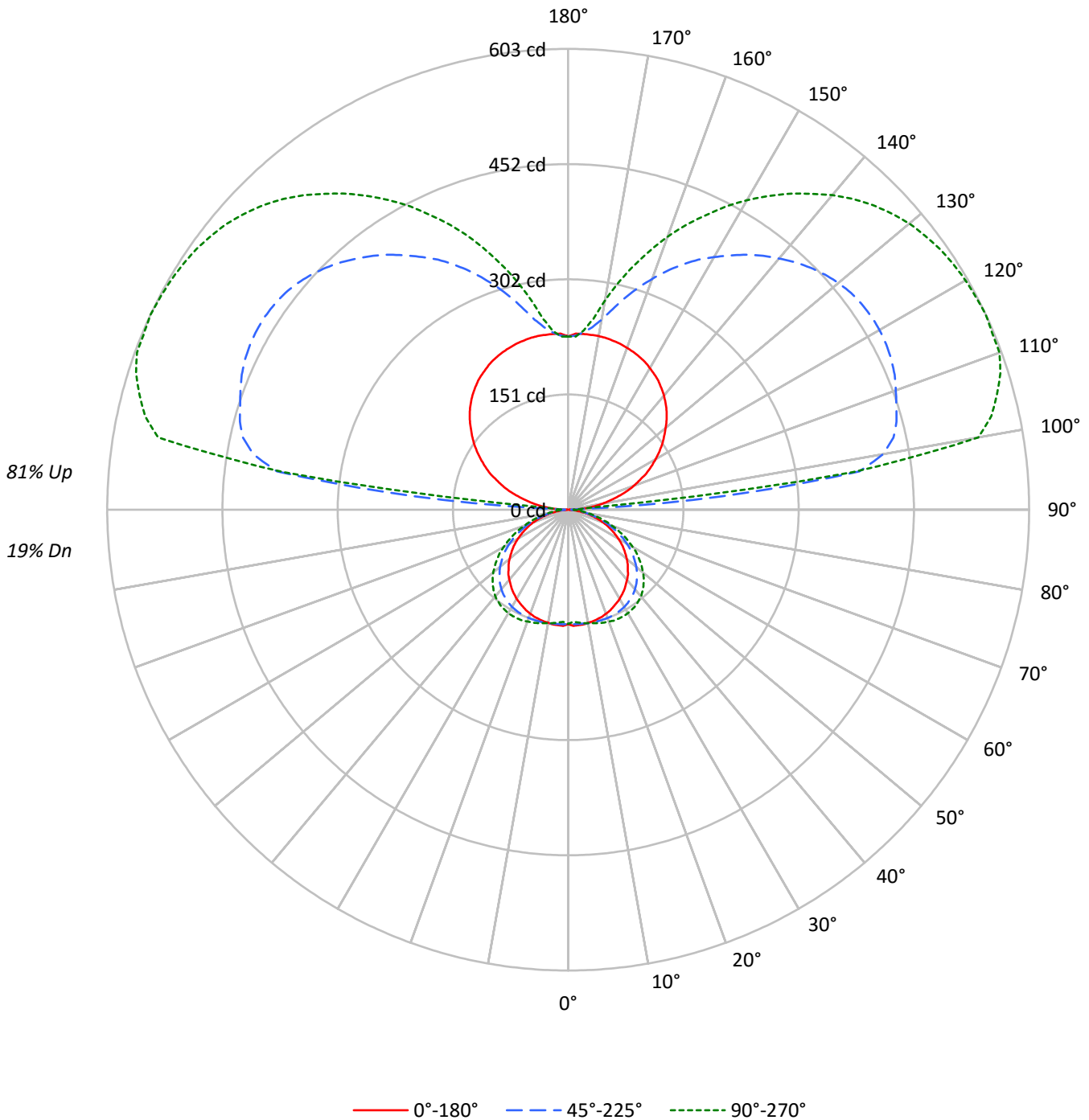
Input Watts (W): 21.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	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°	822	822	822
5°	833	810	795
10°	832	805	795
15°	834	802	802
20°	834	805	812
25°	833	807	824
30°	834	808	832
35°	833	804	836
40°	830	798	831
45°	822	781	813
50°	815	756	783
55°	800	719	738
60°	776	667	679
65°	743	594	605
70°	701	515	511
75°	608	404	410
80°	482	290	297
85°	289	169	195



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CATALOG NUMBER: I3-UL-30L92765-1D-UNV-W2A-W-4 (4500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.3	0.5
10°-20°	42.7	1.6
20°-30°	68.6	2.5
30°-40°	88.3	3.2
40°-50°	97.0	3.5
50°-60°	91.2	3.3
60°-70°	70.8	2.6
70°-80°	40.6	1.5
80°-90°	13.0	0.5
90°-100°	175.5	6.4
100°-110°	417.1	15.2
110°-120°	419.0	15.3
120°-130°	384.2	14.0
130°-140°	321.3	11.7
140°-150°	241.1	8.8
150°-160°	157.0	5.7
160°-170°	80.8	2.9
170°-180°	22.9	0.8
0°-30°	125.6	4.6
0°-40°	213.9	7.8
0°-60°	402.2	14.6
0°-90°	526.7	19.2
90°-120°	1011.6	36.8
90°-150°	1958.3	71.3
90°-180°	2219.0	80.8
0°-180°	2745.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	150	150	150	150	150	
5°	152	150	150	150	148	14
15°	148	148	151	153	154	42
25°	140	141	150	155	157	65
35°	128	131	142	151	154	80
45°	110	116	127	137	139	85
55°	89	93	104	111	114	79
65°	62	66	72	78	80	62
75°	33	34	38	42	43	35
85°	7	8	11	14	15	8
90°	1	2	4	6	7	2
95°	24	196	202	27	23	24
105°	68	263	445	548	581	72
115°	113	296	466	567	603	111
125°	150	309	469	562	594	134
135°	182	308	448	532	564	140
145°	206	295	407	478	505	129
155°	221	271	354	405	425	102
165°	229	244	287	318	330	65
175°	231	230	233	236	236	22
180°	227	227	227	227	227	



TEST NUMBER: P395689

CATALOG NUMBER: I3-UL-30L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	149.5	149.5	149.5	149.5	149.5	149.5	149.5	149.5	149.5	149.5	149.5
2.5°	152.2	151.6	150.9	150.9	150.2	150.2	150.2	149.5	149.5	149.5	150.2
5°	151.6	151.6	150.9	150.2	150.2	150.2	149.5	149.5	149.5	149.5	150.2
7.5°	151.6	150.9	150.2	150.2	149.5	149.5	149.5	149.5	149.5	149.5	150.2
10°	150.2	150.2	149.5	149.5	148.9	149.5	149.5	149.5	149.5	149.5	150.9
12.5°	149.5	149.5	148.9	148.2	148.2	148.2	148.9	148.9	148.9	149.5	150.9
15°	148.2	148.2	147.5	147.5	147.5	147.5	148.2	148.2	148.9	149.5	150.9
17.5°	146.8	146.8	146.2	146.2	146.2	146.8	146.8	147.5	148.2	149.5	150.9
20°	144.8	144.8	144.8	144.8	144.8	145.5	145.5	146.2	147.5	148.9	150.9
22.5°	142.8	142.8	142.8	142.8	142.8	143.5	144.1	145.5	146.2	148.2	150.2
25°	140.1	140.1	140.1	140.1	140.7	141.4	142.1	143.5	144.8	146.8	149.5
27.5°	137.4	138.0	138.0	138.0	138.7	139.4	140.1	141.4	143.5	146.2	148.2
30°	134.7	134.7	134.7	135.3	136.0	136.7	138.0	139.4	141.4	144.1	146.8
32.5°	131.3	131.3	131.9	131.9	133.3	134.0	135.3	137.4	139.4	142.1	144.8
35°	127.9	127.9	127.9	129.2	129.9	131.3	131.9	134.0	136.7	139.4	142.1
37.5°	123.8	124.5	124.5	125.2	126.5	127.9	128.6	131.3	134.0	136.7	139.4
40°	119.8	120.4	120.4	121.1	123.2	123.8	125.2	127.9	129.9	133.3	136.0
42.5°	115.7	115.7	116.4	117.1	119.1	119.8	121.1	123.8	126.5	129.2	131.9
45°	110.3	111.0	111.6	112.3	114.4	115.7	117.1	119.1	121.8	124.5	127.2
47.5°	105.6	105.6	106.2	107.6	109.6	111.0	111.6	114.4	116.4	119.1	121.8
50°	100.1	100.8	100.8	102.2	104.2	105.6	106.2	108.9	111.0	113.7	116.4
52.5°	94.1	94.7	95.4	96.8	98.8	100.1	100.8	102.9	104.9	107.6	109.6
55°	88.6	89.3	89.3	90.7	92.7	93.4	94.7	96.1	98.8	100.8	103.5
57.5°	82.6	83.2	83.2	84.6	85.9	87.3	88.0	90.0	92.0	94.1	96.1
60°	75.8	76.5	77.1	77.8	79.2	80.5	81.2	82.6	84.6	86.6	88.6
62.5°	69.0	69.7	70.4	71.0	72.4	73.1	73.8	75.8	77.1	79.2	80.5
65°	62.3	62.9	63.6	64.3	65.0	65.6	66.3	67.7	69.0	71.0	71.7
67.5°	55.5	56.2	56.2	56.8	57.5	58.2	58.9	60.2	60.9	62.9	63.6
70°	48.7	48.7	48.7	49.4	49.4	50.1	50.7	52.1	52.8	54.1	55.5
72.5°	40.6	41.3	41.3	41.3	42.0	42.6	43.3	44.0	44.7	45.3	46.7
75°	33.2	33.8	33.2	33.8	34.5	34.5	35.2	35.9	36.5	37.2	37.9
77.5°	26.4	25.7	26.4	26.4	27.1	27.1	27.1	27.7	29.1	29.1	30.4
80°	18.9	18.9	18.9	18.9	19.6	19.6	20.3	20.3	21.7	22.3	23.0
82.5°	12.2	12.2	12.9	12.9	12.9	13.5	13.5	14.2	14.9	15.6	16.2
85°	6.8	6.8	6.8	7.4	7.4	8.1	8.1	8.8	9.5	10.1	10.8
87.5°	2.0	2.7	3.4	3.4	4.1	4.1	4.7	4.7	6.1	6.8	7.4
90°	0.7	0.7	1.4	1.4	1.4	2.0	2.0	2.7	2.7	3.4	4.1
92.5°	11.5	27.1	56.2	83.9	72.4	67.7	40.6	12.2	10.8	11.5	11.5
95°	23.7	44.7	81.9	132.6	171.9	196.2	212.5	243.6	275.4	270.0	201.6
97.5°	34.5	57.5	98.8	145.5	199.6	227.4	248.3	285.6	326.2	360.0	384.3
100°	45.3	69.0	113.0	161.7	211.8	236.8	261.2	311.9	351.9	385.7	418.2
102.5°	56.8	80.5	125.9	176.6	226.0	250.4	274.0	318.7	363.4	404.0	435.8
105°	68.3	92.7	137.4	189.5	238.9	263.2	286.2	328.9	370.1	408.0	444.6
107.5°	80.5	103.5	147.5	199.6	249.0	273.4	296.4	339.0	378.9	416.8	450.0
110°	91.3	113.7	157.7	209.1	258.5	282.8	305.9	348.5	387.7	423.6	456.1



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CATALOG NUMBER: I3-UL-30L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	101.5	123.2	167.1	217.2	265.9	290.3	312.6	355.2	394.5	429.7	462.2
115°	113.0	131.9	176.6	224.7	272.7	296.4	318.7	360.7	399.9	434.4	466.2
117.5°	122.5	140.7	184.7	230.7	278.1	301.1	322.8	364.7	403.3	437.8	468.9
120°	131.9	148.9	192.2	236.2	282.2	304.5	326.2	367.4	406.0	439.8	470.3
122.5°	141.4	157.0	198.3	241.6	285.6	307.9	328.9	369.5	407.3	440.5	470.3
125°	150.2	163.8	203.7	245.6	287.6	309.2	329.5	369.5	406.7	439.2	468.9
127.5°	158.3	171.2	207.7	249.7	288.9	309.9	329.5	368.1	405.3	437.1	466.2
130°	166.5	178.0	211.8	251.7	290.3	309.2	328.2	365.4	401.9	433.7	461.5
132.5°	174.6	185.4	215.2	253.7	291.0	309.2	326.8	362.7	397.9	429.0	455.4
135°	182.0	190.8	218.6	255.1	290.3	307.9	324.1	358.0	391.8	422.2	447.9
137.5°	188.8	196.2	221.3	255.8	289.6	305.9	322.1	352.5	384.3	414.1	439.2
140°	194.9	201.6	222.6	255.8	286.9	303.1	318.0	347.1	376.2	404.6	429.0
142.5°	200.3	206.4	224.7	254.4	284.2	299.8	314.0	341.7	368.1	395.2	418.9
145°	205.7	210.4	226.0	253.7	280.8	295.0	308.6	334.9	360.7	385.0	407.3
147.5°	209.8	214.5	227.4	251.0	276.8	289.6	302.5	327.5	351.2	374.2	394.5
150°	213.8	217.9	228.0	248.3	272.0	283.5	295.0	318.7	341.7	362.7	381.6
152.5°	217.9	220.6	230.1	245.6	266.6	277.4	288.9	309.9	330.9	350.5	368.8
155°	220.6	222.6	230.7	242.9	261.2	270.7	280.1	299.8	318.7	337.0	353.9
157.5°	223.3	225.3	231.4	240.9	255.1	263.9	272.0	288.9	306.5	322.8	338.3
160°	225.3	226.7	231.4	239.5	249.7	255.8	263.2	278.8	293.7	307.9	321.4
162.5°	227.4	228.0	231.4	237.5	245.0	249.0	254.4	266.6	280.1	292.3	304.5
165°	228.7	229.4	231.4	236.2	240.9	244.3	247.0	255.8	265.9	276.8	286.9
167.5°	230.1	230.1	231.4	234.8	237.5	239.5	241.6	246.3	253.1	261.2	268.6
170°	230.7	230.7	231.4	233.4	235.5	236.2	237.5	240.2	243.6	247.7	252.4
172.5°	230.7	230.7	230.7	232.1	232.8	232.8	232.8	234.1	236.2	238.9	240.9
175°	230.7	230.1	230.1	230.7	230.1	230.1	230.1	230.1	230.7	232.1	232.8
177.5°	230.7	230.1	229.4	229.4	228.7	228.7	228.0	228.0	228.0	228.0	228.0
180°	226.7	226.7	226.7	226.7	226.7	226.7	226.7	226.7	226.7	226.7	226.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	149.5	149.5	149.5	149.5	149.5	149.5	149.5	149.5	149.5	149.5
2.5°	150.2	150.2	149.5	148.9	148.9	148.9	148.2	147.5	146.8	146.8
5°	150.2	150.2	149.5	149.5	149.5	149.5	148.9	148.9	148.2	148.2
7.5°	150.9	150.2	150.2	150.2	150.2	150.2	150.2	150.2	149.5	149.5
10°	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9
12.5°	151.6	151.6	151.6	151.6	152.2	152.2	152.2	152.2	152.2	152.2
15°	151.6	152.2	152.9	152.9	152.9	153.6	153.6	153.6	153.6	153.6
17.5°	152.2	152.9	153.6	153.6	154.3	154.3	155.0	155.0	155.0	155.0
20°	152.2	152.9	153.6	154.3	155.0	155.0	155.6	156.3	156.3	155.6
22.5°	151.6	152.9	153.6	154.3	155.0	155.6	156.3	157.0	157.0	157.0
25°	150.9	152.2	153.6	155.0	155.0	155.6	157.0	157.0	157.0	157.0
27.5°	150.2	151.6	152.9	154.3	155.0	155.6	156.3	157.0	157.0	157.0
30°	148.9	150.9	152.2	153.6	154.3	155.0	155.6	156.3	156.3	156.3
32.5°	146.8	148.9	150.2	152.2	152.9	153.6	154.3	155.0	155.0	155.0
35°	144.8	146.8	148.2	150.2	150.9	151.6	152.9	152.9	153.6	153.6
37.5°	141.4	144.1	145.5	147.5	148.2	148.9	150.2	150.9	150.9	150.9
40°	138.0	140.7	142.1	144.1	144.8	145.5	146.8	147.5	148.2	148.2
42.5°	134.0	136.7	138.0	140.1	140.7	141.4	142.8	143.5	144.1	144.1
45°	129.9	131.9	133.3	135.3	136.7	136.7	138.0	138.7	139.4	139.4
47.5°	124.5	126.5	127.9	129.9	131.3	131.9	132.6	133.3	134.0	134.0
50°	118.4	120.4	122.5	123.8	125.2	125.2	126.5	127.2	127.9	127.9
52.5°	112.3	113.7	115.7	117.7	118.4	119.1	119.8	120.4	121.1	121.1
55°	105.6	106.9	108.9	110.3	111.0	111.6	112.3	113.0	113.7	113.7
57.5°	98.1	99.5	101.5	102.9	103.5	104.2	104.9	105.6	106.2	106.2
60°	90.0	91.3	93.4	94.7	95.4	95.4	96.8	97.4	97.4	97.4
62.5°	81.9	83.2	84.6	85.9	86.6	87.3	88.0	88.6	88.6	88.6
65°	73.8	75.1	76.5	77.1	77.8	77.8	78.5	79.2	79.8	79.8
67.5°	65.0	66.3	67.7	68.3	69.0	69.0	69.7	70.4	70.4	70.4
70°	56.2	56.8	58.2	58.9	59.5	59.5	60.9	60.9	60.9	60.9
72.5°	47.4	48.0	49.4	50.1	50.7	50.7	51.4	52.1	52.1	52.1
75°	39.2	39.9	40.6	42.0	42.0	42.0	42.6	43.3	43.3	43.3
77.5°	31.1	31.8	32.5	33.2	33.8	33.8	34.5	35.2	35.2	35.2
80°	23.7	24.4	25.0	25.7	25.7	26.4	26.4	27.1	27.1	27.1
82.5°	16.9	17.6	18.3	18.9	19.6	19.6	20.3	21.0	21.0	20.3
85°	11.5	12.9	13.5	14.2	14.2	14.2	14.9	15.6	15.6	14.9
87.5°	8.1	8.1	8.8	9.5	9.5	10.1	10.1	10.8	10.8	10.8
90°	4.7	4.7	5.4	5.4	6.1	6.1	6.1	6.8	6.8	6.8
92.5°	11.5	11.5	12.2	12.2	12.2	12.2	12.9	12.9	12.9	12.9
95°	123.2	55.5	46.7	28.4	27.1	23.7	23.0	23.7	23.7	23.0
97.5°	413.4	442.5	460.8	469.6	458.8	447.3	434.4	432.4	414.8	375.5
100°	445.9	468.9	491.3	506.8	512.9	518.3	530.5	537.9	541.3	544.7
102.5°	462.2	486.5	506.1	525.8	533.9	541.3	552.2	561.0	564.3	567.0
105°	476.4	501.4	523.1	540.7	548.1	554.9	565.7	573.8	579.9	580.6
107.5°	479.8	506.1	530.5	552.2	561.0	568.4	581.3	587.3	592.8	592.8
110°	485.8	510.9	533.2	552.8	561.6	570.4	584.0	593.4	598.8	600.2



TEST NUMBER: P395689

CATALOG NUMBER: I3-UL-30L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	490.6	516.3	537.3	556.9	564.3	572.5	585.3	594.1	598.8	600.9
115°	494.6	519.7	540.7	558.9	567.0	575.2	588.0	595.5	600.9	602.9
117.5°	497.3	521.7	542.7	559.6	568.4	575.2	587.3	595.5	600.9	601.6
120°	498.0	522.4	542.7	559.6	567.0	574.5	586.7	594.8	600.2	600.2
122.5°	498.0	521.7	542.0	558.2	565.0	571.8	583.3	592.8	597.5	597.5
125°	495.3	519.0	538.6	554.9	561.6	567.7	579.9	588.7	593.4	594.1
127.5°	491.3	514.3	533.9	550.1	556.9	562.3	575.2	583.3	588.0	588.7
130°	485.8	508.8	527.8	543.4	550.1	556.2	567.0	575.8	581.3	582.6
132.5°	479.8	501.4	520.4	535.2	542.0	547.4	558.2	567.0	571.8	573.8
135°	472.3	492.6	510.9	525.8	532.5	537.9	548.1	556.9	561.6	563.7
137.5°	462.8	482.5	500.1	514.9	521.0	526.4	536.6	544.7	548.8	551.5
140°	452.0	470.3	488.5	502.1	508.2	513.6	522.4	531.2	535.2	537.3
142.5°	440.5	458.8	475.0	488.5	494.0	499.4	508.2	516.3	520.4	521.0
145°	428.3	445.9	460.8	473.7	478.4	483.8	491.9	500.1	504.1	504.8
147.5°	414.8	431.0	445.2	457.4	462.8	466.9	474.3	481.8	485.8	486.5
150°	399.2	414.1	427.0	439.2	443.9	447.9	456.1	462.8	466.9	467.6
152.5°	384.3	398.6	409.4	420.2	424.9	429.0	435.8	442.5	446.6	447.3
155°	368.8	381.6	392.5	401.3	405.3	409.4	414.8	420.9	424.3	424.9
157.5°	352.5	364.7	374.2	382.3	386.4	389.8	394.5	399.9	401.9	403.3
160°	334.9	345.1	353.2	361.3	364.7	368.1	372.8	376.9	379.6	380.3
162.5°	316.0	324.8	331.6	339.0	341.0	343.7	348.5	352.5	354.6	355.2
165°	296.4	304.5	310.6	316.7	318.0	320.1	323.4	327.5	328.9	330.2
167.5°	276.8	283.5	287.6	293.0	295.0	296.4	299.8	302.5	303.8	304.5
170°	257.8	262.5	265.9	270.0	270.7	272.7	274.7	277.4	278.1	278.1
172.5°	242.9	245.0	247.0	248.3	249.0	249.7	251.0	251.7	251.7	251.7
175°	233.4	234.8	234.8	235.5	235.5	235.5	235.5	235.5	235.5	235.5
177.5°	228.0	228.0	228.0	227.4	227.4	227.4	227.4	226.7	226.7	226.7
180°	226.7	226.7	226.7	226.7	226.7	226.7	226.7	226.7	226.7	226.7

(END OF REPORT)