

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: P395690

Luminaire Tested: **I3-UL-30L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395690  
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 (5000K)  
Description: CORELITE I3, OPEN TOP  
3000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2800.2 lumens  
Efficiency: N/A  
Efficacy: 132.1 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

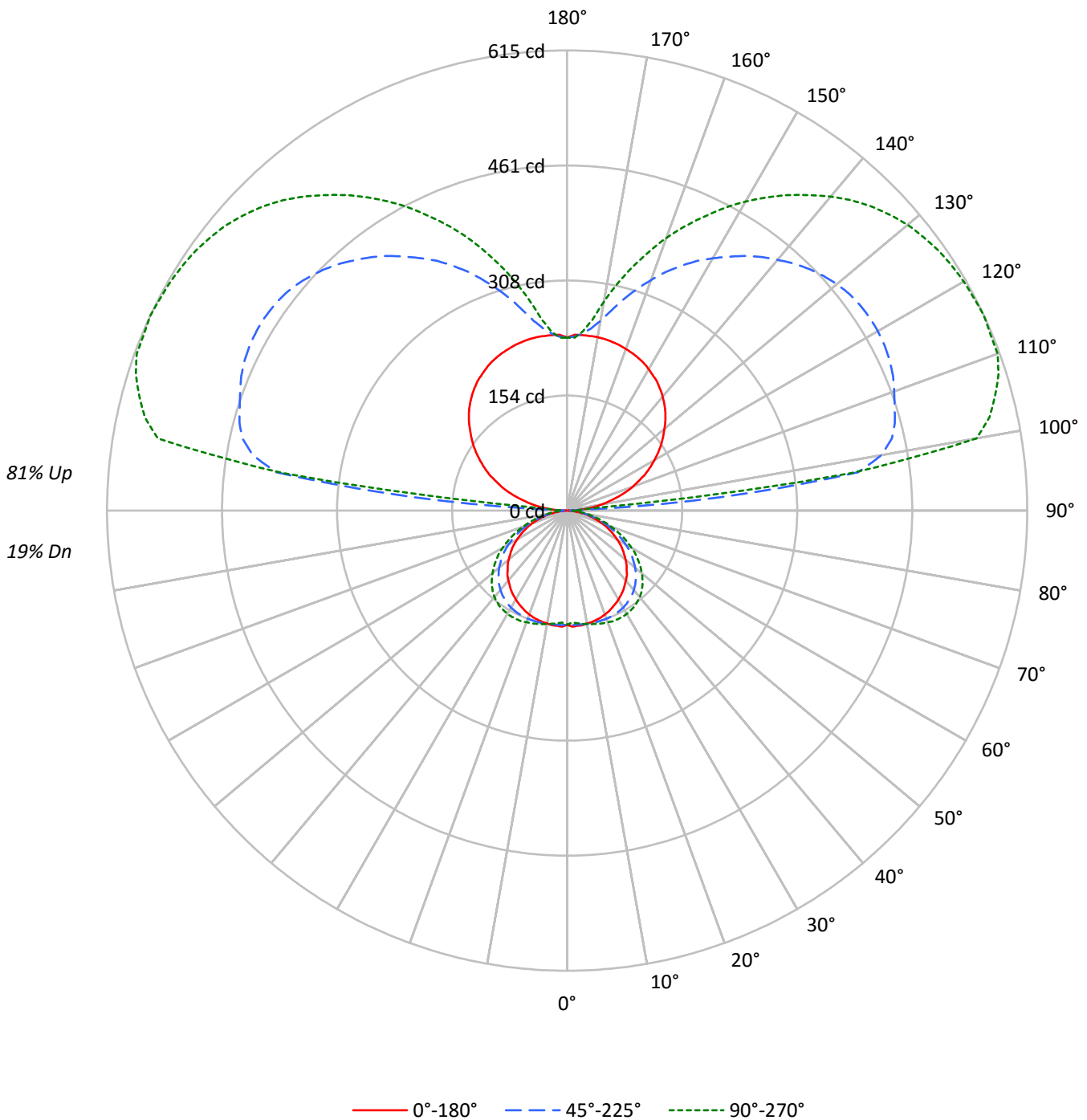
Input Watts (W): 21.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	838	838	838
5°	850	826	810
10°	849	821	811
15°	850	818	819
20°	851	821	828
25°	850	823	840
30°	851	824	848
35°	850	820	852
40°	846	814	847
45°	839	796	829
50°	831	771	798
55°	817	734	752
60°	791	680	693
65°	757	606	617
70°	715	526	521
75°	619	412	418
80°	492	297	302
85°	293	172	199



TEST NUMBER: P395690

CATALOG NUMBER: I3-UL-30L92765-1D-UNV-W2A-W-4 (5000K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.6	0.5
10°-20°	43.5	1.6
20°-30°	70.0	2.5
30°-40°	90.1	3.2
40°-50°	98.9	3.5
50°-60°	93.0	3.3
60°-70°	72.3	2.6
70°-80°	41.4	1.5
80°-90°	13.3	0.5
90°-100°	179.0	6.4
100°-110°	425.4	15.2
110°-120°	427.3	15.3
120°-130°	391.9	14.0
130°-140°	327.7	11.7
140°-150°	245.9	8.8
150°-160°	160.1	5.7
160°-170°	82.4	2.9
170°-180°	23.3	0.8
0°-30°	128.1	4.6
0°-40°	218.2	7.8
0°-60°	410.2	14.6
0°-90°	537.1	19.2
90°-120°	1031.7	36.8
90°-150°	1997.2	71.3
90°-180°	2263.0	80.8
0°-180°	2800.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	152	152	152	152	152	
5°	155	153	153	152	151	15
15°	151	150	154	156	157	43
25°	143	144	152	158	160	66
35°	130	134	145	154	157	82
45°	112	118	130	139	142	87
55°	90	95	106	113	116	81
65°	64	67	73	79	81	63
75°	34	35	39	43	44	36
85°	7	8	11	14	15	8
90°	1	2	4	6	7	2
95°	24	200	206	28	24	24
105°	70	268	453	559	592	74
115°	115	302	476	578	615	113
125°	153	315	478	573	606	137
135°	186	314	457	543	575	143
145°	210	301	415	488	515	131
155°	225	276	361	413	433	104
165°	233	249	293	324	337	66
175°	235	235	237	240	240	22
180°	231	231	231	231	231	



TEST NUMBER: P395690

CATALOG NUMBER: I3-UL-30L92765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	152.5	152.5	152.5	152.5	152.5	152.5	152.5	152.5	152.5	152.5	152.5
2.5°	155.3	154.6	153.9	153.9	153.2	153.2	153.2	152.5	152.5	152.5	153.2
5°	154.6	154.6	153.9	153.2	153.2	153.2	152.5	152.5	152.5	152.5	153.2
7.5°	154.6	153.9	153.2	153.2	152.5	152.5	152.5	152.5	152.5	152.5	153.2
10°	153.2	153.2	152.5	152.5	151.8	152.5	152.5	152.5	152.5	152.5	153.9
12.5°	152.5	152.5	151.8	151.1	151.1	151.1	151.8	151.8	151.8	152.5	153.9
15°	151.1	151.1	150.4	150.4	150.4	150.4	151.1	151.1	151.8	152.5	153.9
17.5°	149.8	149.8	149.1	149.1	149.1	149.8	149.8	150.4	151.1	152.5	153.9
20°	147.7	147.7	147.7	147.7	147.7	148.4	148.4	149.1	150.4	151.8	153.9
22.5°	145.6	145.6	145.6	145.6	145.6	146.3	147.0	148.4	149.1	151.1	153.2
25°	142.9	142.9	142.9	142.9	143.5	144.2	144.9	146.3	147.7	149.8	152.5
27.5°	140.1	140.8	140.8	140.8	141.5	142.2	142.9	144.2	146.3	149.1	151.1
30°	137.3	137.3	137.3	138.0	138.7	139.4	140.8	142.2	144.2	147.0	149.8
32.5°	133.9	133.9	134.6	134.6	136.0	136.6	138.0	140.1	142.2	144.9	147.7
35°	130.4	130.4	130.4	131.8	132.5	133.9	134.6	136.6	139.4	142.2	144.9
37.5°	126.3	127.0	127.0	127.7	129.0	130.4	131.1	133.9	136.6	139.4	142.2
40°	122.1	122.8	122.8	123.5	125.6	126.3	127.7	130.4	132.5	136.0	138.7
42.5°	118.0	118.0	118.7	119.4	121.5	122.1	123.5	126.3	129.0	131.8	134.6
45°	112.5	113.2	113.9	114.6	116.6	118.0	119.4	121.5	124.2	127.0	129.7
47.5°	107.7	107.7	108.3	109.7	111.8	113.2	113.9	116.6	118.7	121.5	124.2
50°	102.1	102.8	102.8	104.2	106.3	107.7	108.3	111.1	113.2	115.9	118.7
52.5°	95.9	96.6	97.3	98.7	100.8	102.1	102.8	104.9	107.0	109.7	111.8
55°	90.4	91.1	91.1	92.5	94.5	95.2	96.6	98.0	100.8	102.8	105.6
57.5°	84.2	84.9	84.9	86.3	87.6	89.0	89.7	91.8	93.9	95.9	98.0
60°	77.3	78.0	78.7	79.4	80.7	82.1	82.8	84.2	86.3	88.3	90.4
62.5°	70.4	71.1	71.8	72.5	73.8	74.5	75.2	77.3	78.7	80.7	82.1
65°	63.5	64.2	64.9	65.6	66.2	66.9	67.6	69.0	70.4	72.5	73.2
67.5°	56.6	57.3	57.3	58.0	58.7	59.3	60.0	61.4	62.1	64.2	64.9
70°	49.7	49.7	49.7	50.4	50.4	51.1	51.8	53.1	53.8	55.2	56.6
72.5°	41.4	42.1	42.1	42.1	42.8	43.5	44.2	44.9	45.5	46.2	47.6
75°	33.8	34.5	33.8	34.5	35.2	35.2	35.9	36.6	37.3	38.0	38.6
77.5°	26.9	26.2	26.9	26.9	27.6	27.6	27.6	28.3	29.7	29.7	31.1
80°	19.3	19.3	19.3	19.3	20.0	20.0	20.7	20.7	22.1	22.8	23.5
82.5°	12.4	12.4	13.1	13.1	13.1	13.8	13.8	14.5	15.2	15.9	16.6
85°	6.9	6.9	6.9	7.6	7.6	8.3	8.3	9.0	9.7	10.4	11.0
87.5°	2.1	2.8	3.5	3.5	4.1	4.1	4.8	4.8	6.2	6.9	7.6
90°	0.7	0.7	1.4	1.4	1.4	2.1	2.1	2.8	2.8	3.5	4.1
92.5°	11.7	27.6	57.3	85.6	73.8	69.0	41.4	12.4	11.0	11.7	11.7
95°	24.2	45.5	83.5	135.3	175.3	200.1	216.7	248.4	280.9	275.4	205.7
97.5°	35.2	58.7	100.8	148.4	203.6	231.9	253.3	291.2	332.6	367.1	392.0
100°	46.2	70.4	115.2	164.9	216.0	241.5	266.4	318.1	358.9	393.4	426.5
102.5°	58.0	82.1	128.4	180.1	230.5	255.3	279.5	325.0	370.6	412.0	444.4
105°	69.7	94.5	140.1	193.2	243.6	268.5	291.9	335.4	377.5	416.1	453.4
107.5°	82.1	105.6	150.4	203.6	254.0	278.8	302.3	345.7	386.5	425.1	458.9
110°	93.2	115.9	160.8	213.2	263.6	288.5	311.9	355.4	395.4	432.0	465.1



TEST NUMBER: P395690

CATALOG NUMBER: I3-UL-30L92765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	103.5	125.6	170.5	221.5	271.2	296.1	318.8	362.3	402.3	438.2	471.3
115°	115.2	134.6	180.1	229.1	278.1	302.3	325.0	367.8	407.9	443.0	475.5
117.5°	124.9	143.5	188.4	235.3	283.6	307.1	329.2	372.0	411.3	446.5	478.2
120°	134.6	151.8	196.0	240.8	287.8	310.5	332.6	374.7	414.1	448.6	479.6
122.5°	144.2	160.1	202.2	246.4	291.2	314.0	335.4	376.8	415.4	449.3	479.6
125°	153.2	167.0	207.7	250.5	293.3	315.4	336.1	376.8	414.8	447.9	478.2
127.5°	161.5	174.6	211.9	254.6	294.7	316.1	336.1	375.4	413.4	445.8	475.5
130°	169.8	181.5	216.0	256.7	296.1	315.4	334.7	372.7	409.9	442.4	470.7
132.5°	178.0	189.1	219.5	258.8	296.7	315.4	333.3	369.9	405.8	437.5	464.4
135°	185.6	194.6	222.9	260.2	296.1	314.0	330.6	365.1	399.6	430.6	456.8
137.5°	192.5	200.1	225.7	260.9	295.4	311.9	328.5	359.5	392.0	422.3	447.9
140°	198.7	205.7	227.0	260.9	292.6	309.2	324.3	354.0	383.7	412.7	437.5
142.5°	204.3	210.5	229.1	259.5	289.8	305.7	320.2	348.5	375.4	403.0	427.2
145°	209.8	214.6	230.5	258.8	286.4	300.9	314.7	341.6	367.8	392.7	415.4
147.5°	213.9	218.8	231.9	256.0	282.3	295.4	308.5	334.0	358.2	381.6	402.3
150°	218.1	222.2	232.6	253.3	277.4	289.2	300.9	325.0	348.5	369.9	389.2
152.5°	222.2	225.0	234.6	250.5	271.9	282.9	294.7	316.1	337.5	357.5	376.1
155°	225.0	227.0	235.3	247.7	266.4	276.0	285.7	305.7	325.0	343.7	360.9
157.5°	227.7	229.8	236.0	245.7	260.2	269.1	277.4	294.7	312.6	329.2	345.1
160°	229.8	231.2	236.0	244.3	254.6	260.9	268.5	284.3	299.5	314.0	327.8
162.5°	231.9	232.6	236.0	242.2	249.8	254.0	259.5	271.9	285.7	298.1	310.5
165°	233.3	233.9	236.0	240.8	245.7	249.1	251.9	260.9	271.2	282.3	292.6
167.5°	234.6	234.6	236.0	239.5	242.2	244.3	246.4	251.2	258.1	266.4	274.0
170°	235.3	235.3	236.0	238.1	240.2	240.8	242.2	245.0	248.4	252.6	257.4
172.5°	235.3	235.3	235.3	236.7	237.4	237.4	237.4	238.8	240.8	243.6	245.7
175°	235.3	234.6	234.6	235.3	234.6	234.6	234.6	234.6	235.3	236.7	237.4
177.5°	235.3	234.6	233.9	233.9	233.3	233.3	232.6	232.6	232.6	232.6	232.6
180°	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2



TEST NUMBER: P395690

CATALOG NUMBER: I3-UL-30L92765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	152.5	152.5	152.5	152.5	152.5	152.5	152.5	152.5	152.5	152.5
2.5°	153.2	153.2	152.5	151.8	151.8	151.8	151.1	150.4	149.8	149.8
5°	153.2	153.2	152.5	152.5	152.5	152.5	151.8	151.8	151.1	151.1
7.5°	153.9	153.2	153.2	153.2	153.2	153.2	153.2	153.2	152.5	152.5
10°	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9
12.5°	154.6	154.6	154.6	154.6	155.3	155.3	155.3	155.3	155.3	155.3
15°	154.6	155.3	156.0	156.0	156.0	156.7	156.7	156.7	156.7	156.7
17.5°	155.3	156.0	156.7	156.7	157.3	157.3	158.0	158.0	158.0	158.0
20°	155.3	156.0	156.7	157.3	158.0	158.0	158.7	159.4	159.4	158.7
22.5°	154.6	156.0	156.7	157.3	158.0	158.7	159.4	160.1	160.1	160.1
25°	153.9	155.3	156.7	158.0	158.0	158.7	160.1	160.1	160.1	160.1
27.5°	153.2	154.6	156.0	157.3	158.0	158.7	159.4	160.1	160.1	160.1
30°	151.8	153.9	155.3	156.7	157.3	158.0	158.7	159.4	159.4	159.4
32.5°	149.8	151.8	153.2	155.3	156.0	156.7	157.3	158.0	158.0	158.0
35°	147.7	149.8	151.1	153.2	153.9	154.6	156.0	156.0	156.7	156.7
37.5°	144.2	147.0	148.4	150.4	151.1	151.8	153.2	153.9	153.9	153.9
40°	140.8	143.5	144.9	147.0	147.7	148.4	149.8	150.4	151.1	151.1
42.5°	136.6	139.4	140.8	142.9	143.5	144.2	145.6	146.3	147.0	147.0
45°	132.5	134.6	136.0	138.0	139.4	139.4	140.8	141.5	142.2	142.2
47.5°	127.0	129.0	130.4	132.5	133.9	134.6	135.3	136.0	136.6	136.6
50°	120.8	122.8	124.9	126.3	127.7	127.7	129.0	129.7	130.4	130.4
52.5°	114.6	115.9	118.0	120.1	120.8	121.5	122.1	122.8	123.5	123.5
55°	107.7	109.0	111.1	112.5	113.2	113.9	114.6	115.2	115.9	115.9
57.5°	100.1	101.4	103.5	104.9	105.6	106.3	107.0	107.7	108.3	108.3
60°	91.8	93.2	95.2	96.6	97.3	97.3	98.7	99.4	99.4	99.4
62.5°	83.5	84.9	86.3	87.6	88.3	89.0	89.7	90.4	90.4	90.4
65°	75.2	76.6	78.0	78.7	79.4	79.4	80.1	80.7	81.4	81.4
67.5°	66.2	67.6	69.0	69.7	70.4	70.4	71.1	71.8	71.8	71.8
70°	57.3	58.0	59.3	60.0	60.7	60.7	62.1	62.1	62.1	62.1
72.5°	48.3	49.0	50.4	51.1	51.8	51.8	52.4	53.1	53.1	53.1
75°	40.0	40.7	41.4	42.8	42.8	42.8	43.5	44.2	44.2	44.2
77.5°	31.7	32.4	33.1	33.8	34.5	34.5	35.2	35.9	35.9	35.9
80°	24.2	24.8	25.5	26.2	26.2	26.9	26.9	27.6	27.6	27.6
82.5°	17.3	17.9	18.6	19.3	20.0	20.0	20.7	21.4	21.4	20.7
85°	11.7	13.1	13.8	14.5	14.5	14.5	15.2	15.9	15.9	15.2
87.5°	8.3	8.3	9.0	9.7	9.7	10.4	10.4	11.0	11.0	11.0
90°	4.8	4.8	5.5	5.5	6.2	6.2	6.2	6.9	6.9	6.9
92.5°	11.7	11.7	12.4	12.4	12.4	12.4	13.1	13.1	13.1	13.1
95°	125.6	56.6	47.6	29.0	27.6	24.2	23.5	24.2	24.2	23.5
97.5°	421.7	451.3	470.0	478.9	467.9	456.2	443.0	441.0	423.0	383.0
100°	454.8	478.2	501.0	516.9	523.1	528.6	541.0	548.6	552.1	555.5
102.5°	471.3	496.2	516.2	536.2	544.5	552.1	563.1	572.1	575.5	578.3
105°	485.8	511.4	533.5	551.4	559.0	565.9	576.9	585.2	591.4	592.1
107.5°	489.3	516.2	541.0	563.1	572.1	579.7	592.8	599.0	604.5	604.5
110°	495.5	521.0	543.8	563.8	572.8	581.8	595.6	605.2	610.7	612.1





TEST NUMBER: P395690

CATALOG NUMBER: I3-UL-30L92765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	500.3	526.5	547.9	568.0	575.5	583.8	596.9	605.9	610.7	612.8
115°	504.5	530.0	551.4	570.0	578.3	586.6	599.7	607.3	612.8	614.9
117.5°	507.2	532.1	553.5	570.7	579.7	586.6	599.0	607.3	612.8	613.5
120°	507.9	532.8	553.5	570.7	578.3	585.9	598.3	606.6	612.1	612.1
122.5°	507.9	532.1	552.8	569.3	576.2	583.1	594.9	604.5	609.4	609.4
125°	505.2	529.3	549.3	565.9	572.8	579.0	591.4	600.4	605.2	605.9
127.5°	501.0	524.5	544.5	561.1	568.0	573.5	586.6	594.9	599.7	600.4
130°	495.5	519.0	538.3	554.2	561.1	567.3	578.3	587.3	592.8	594.2
132.5°	489.3	511.4	530.7	545.9	552.8	558.3	569.3	578.3	583.1	585.2
135°	481.7	502.4	521.0	536.2	543.1	548.6	559.0	568.0	572.8	574.9
137.5°	472.0	492.0	510.0	525.2	531.4	536.9	547.3	555.5	559.7	562.4
140°	461.0	479.6	498.3	512.1	518.3	523.8	532.8	541.7	545.9	547.9
142.5°	449.3	467.9	484.5	498.3	503.8	509.3	518.3	526.5	530.7	531.4
145°	436.8	454.8	470.0	483.1	487.9	493.4	501.7	510.0	514.1	514.8
147.5°	423.0	439.6	454.1	466.5	472.0	476.2	483.8	491.4	495.5	496.2
150°	407.2	422.3	435.5	447.9	452.7	456.8	465.1	472.0	476.2	476.9
152.5°	392.0	406.5	417.5	428.6	433.4	437.5	444.4	451.3	455.5	456.2
155°	376.1	389.2	400.3	409.2	413.4	417.5	423.0	429.2	432.7	433.4
157.5°	359.5	372.0	381.6	389.9	394.0	397.5	402.3	407.9	409.9	411.3
160°	341.6	352.0	360.2	368.5	372.0	375.4	380.2	384.4	387.1	387.8
162.5°	322.3	331.2	338.2	345.7	347.8	350.6	355.4	359.5	361.6	362.3
165°	302.3	310.5	316.8	323.0	324.3	326.4	329.9	334.0	335.4	336.8
167.5°	282.3	289.2	293.3	298.8	300.9	302.3	305.7	308.5	309.9	310.5
170°	262.9	267.8	271.2	275.4	276.0	278.1	280.2	282.9	283.6	283.6
172.5°	247.7	249.8	251.9	253.3	254.0	254.6	256.0	256.7	256.7	256.7
175°	238.1	239.5	239.5	240.2	240.2	240.2	240.2	240.2	240.2	240.2
177.5°	232.6	232.6	232.6	231.9	231.9	231.9	231.9	231.2	231.2	231.2
180°	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2	231.2

(END OF REPORT)