

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: P395677

Luminaire Tested: **I3-UL-30L82765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395677  
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-30L82765-1D-UNV-W2A-W-4 (5000K)  
Description: CORELITE I3, OPEN TOP  
3000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3121.4 lumens  
Efficiency: N/A  
Efficacy: 147.2 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

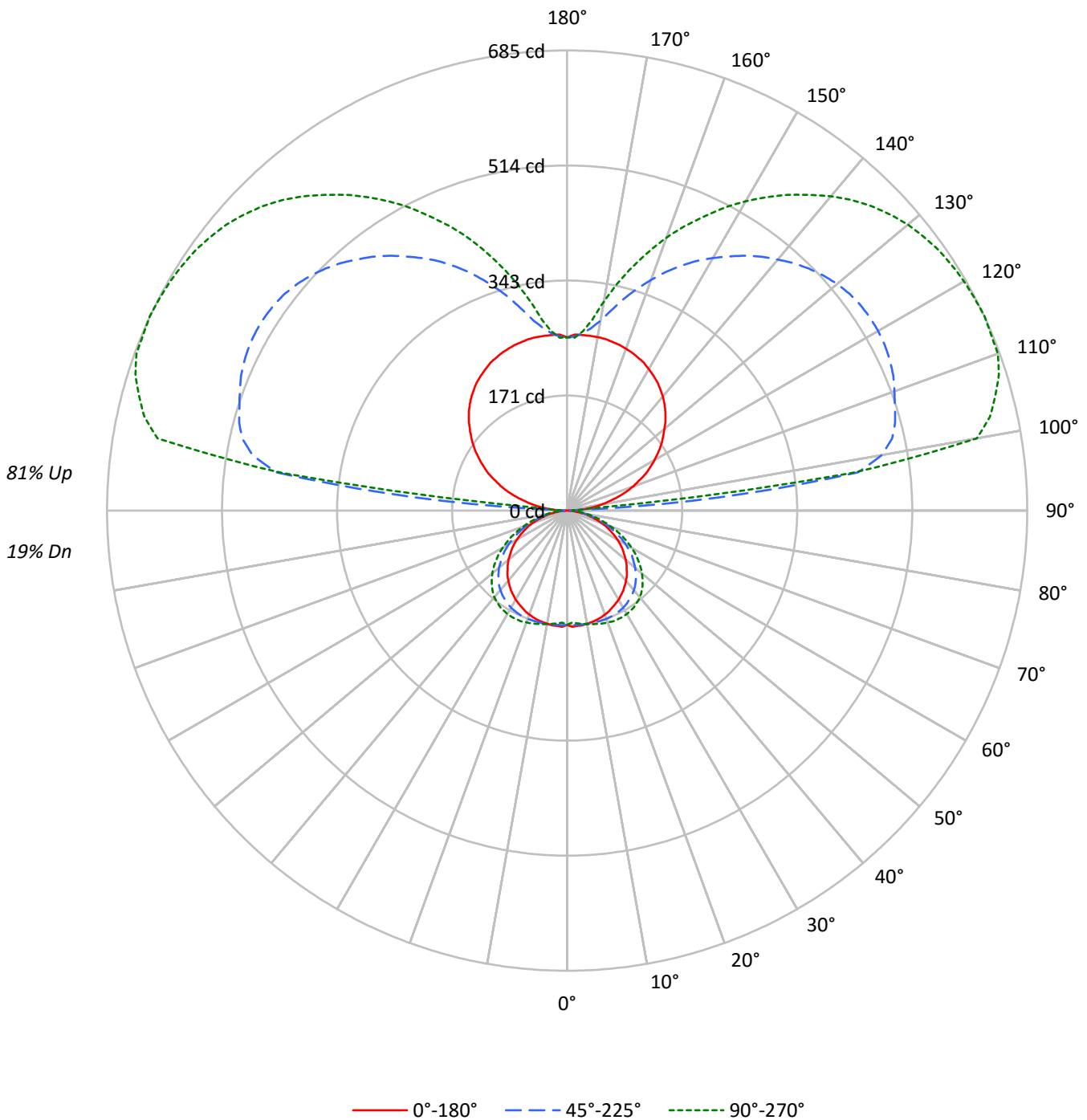
Input Watts (W): 21.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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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°	934	934	934
5°	947	921	903
10°	946	914	904
15°	948	911	912
20°	948	915	923
25°	947	917	937
30°	948	918	946
35°	947	914	950
40°	944	907	945
45°	935	888	924
50°	927	859	890
55°	911	818	839
60°	883	759	772
65°	844	675	689
70°	797	586	580
75°	691	460	466
80°	548	331	337
85°	327	192	222



TEST NUMBER: P395677

CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (5000K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.3	0.5
10°-20°	48.5	1.6
20°-30°	78.0	2.5
30°-40°	100.4	3.2
40°-50°	110.3	3.5
50°-60°	103.7	3.3
60°-70°	80.5	2.6
70°-80°	46.2	1.5
80°-90°	14.8	0.5
90°-100°	199.5	6.4
100°-110°	474.2	15.2
110°-120°	476.3	15.3
120°-130°	436.8	14.0
130°-140°	365.3	11.7
140°-150°	274.2	8.8
150°-160°	178.5	5.7
160°-170°	91.9	2.9
170°-180°	26.0	0.8
0°-30°	142.8	4.6
0°-40°	243.2	7.8
0°-60°	457.2	14.6
0°-90°	598.7	19.2
90°-120°	1150.0	36.8
90°-150°	2226.3	71.3
90°-180°	2523.0	80.8
0°-180°	3121.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	170	170	170	170	170	
5°	172	171	171	170	168	16
15°	168	168	172	174	175	48
25°	159	161	170	176	178	73
35°	145	149	162	172	175	91
45°	125	132	145	155	158	97
55°	101	106	118	126	129	90
65°	71	75	82	88	91	70
75°	38	39	43	48	49	40
85°	8	9	12	16	17	9
90°	1	2	5	7	8	2
95°	27	223	229	31	26	27
105°	78	299	505	623	660	82
115°	128	337	530	645	685	126
125°	171	352	533	638	675	152
135°	207	350	509	605	641	159
145°	234	335	463	544	574	146
155°	251	308	402	461	483	116
165°	260	278	326	362	375	74
175°	262	262	265	268	268	25
180°	258	258	258	258	258	



TEST NUMBER: P395677

CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
2.5°	173.1	172.3	171.5	171.5	170.8	170.8	170.8	170.0	170.0	170.0	170.8
5°	172.3	172.3	171.5	170.8	170.8	170.8	170.0	170.0	170.0	170.0	170.8
7.5°	172.3	171.5	170.8	170.8	170.0	170.0	170.0	170.0	170.0	170.0	170.8
10°	170.8	170.8	170.0	170.0	169.2	170.0	170.0	170.0	170.0	170.0	171.5
12.5°	170.0	170.0	169.2	168.5	168.5	168.5	169.2	169.2	169.2	170.0	171.5
15°	168.5	168.5	167.7	167.7	167.7	167.7	168.5	168.5	169.2	170.0	171.5
17.5°	166.9	166.9	166.2	166.2	166.2	166.9	166.9	167.7	168.5	170.0	171.5
20°	164.6	164.6	164.6	164.6	164.6	165.4	165.4	166.2	167.7	169.2	171.5
22.5°	162.3	162.3	162.3	162.3	162.3	163.1	163.9	165.4	166.2	168.5	170.8
25°	159.2	159.2	159.2	159.2	160.0	160.8	161.5	163.1	164.6	166.9	170.0
27.5°	156.2	156.9	156.9	156.9	157.7	158.5	159.2	160.8	163.1	166.2	168.5
30°	153.1	153.1	153.1	153.9	154.6	155.4	156.9	158.5	160.8	163.9	166.9
32.5°	149.2	149.2	150.0	150.0	151.5	152.3	153.9	156.2	158.5	161.5	164.6
35°	145.4	145.4	145.4	146.9	147.7	149.2	150.0	152.3	155.4	158.5	161.5
37.5°	140.8	141.5	141.5	142.3	143.9	145.4	146.2	149.2	152.3	155.4	158.5
40°	136.2	136.9	136.9	137.7	140.0	140.8	142.3	145.4	147.7	151.5	154.6
42.5°	131.5	131.5	132.3	133.1	135.4	136.2	137.7	140.8	143.9	146.9	150.0
45°	125.4	126.2	126.9	127.7	130.0	131.5	133.1	135.4	138.5	141.5	144.6
47.5°	120.0	120.0	120.8	122.3	124.6	126.2	126.9	130.0	132.3	135.4	138.5
50°	113.9	114.6	114.6	116.2	118.5	120.0	120.8	123.9	126.2	129.2	132.3
52.5°	106.9	107.7	108.5	110.0	112.3	113.9	114.6	116.9	119.2	122.3	124.6
55°	100.8	101.5	101.5	103.1	105.4	106.2	107.7	109.2	112.3	114.6	117.7
57.5°	93.9	94.6	94.6	96.2	97.7	99.2	100.0	102.3	104.6	106.9	109.2
60°	86.2	86.9	87.7	88.5	90.0	91.5	92.3	93.9	96.2	98.5	100.8
62.5°	78.5	79.2	80.0	80.8	82.3	83.1	83.9	86.2	87.7	90.0	91.5
65°	70.8	71.5	72.3	73.1	73.9	74.6	75.4	76.9	78.5	80.8	81.5
67.5°	63.1	63.8	63.8	64.6	65.4	66.2	66.9	68.5	69.2	71.5	72.3
70°	55.4	55.4	55.4	56.2	56.2	56.9	57.7	59.2	60.0	61.5	63.1
72.5°	46.2	46.9	46.9	46.9	47.7	48.5	49.2	50.0	50.8	51.5	53.1
75°	37.7	38.5	37.7	38.5	39.2	39.2	40.0	40.8	41.5	42.3	43.1
77.5°	30.0	29.2	30.0	30.0	30.8	30.8	30.8	31.5	33.1	33.1	34.6
80°	21.5	21.5	21.5	21.5	22.3	22.3	23.1	23.1	24.6	25.4	26.2
82.5°	13.8	13.8	14.6	14.6	14.6	15.4	15.4	16.2	16.9	17.7	18.5
85°	7.7	7.7	7.7	8.5	8.5	9.2	9.2	10.0	10.8	11.5	12.3
87.5°	2.3	3.1	3.8	3.8	4.6	4.6	5.4	5.4	6.9	7.7	8.5
90°	0.8	0.8	1.5	1.5	1.5	2.3	2.3	3.1	3.1	3.8	4.6
92.5°	13.1	30.8	63.8	95.4	82.3	76.9	46.2	13.8	12.3	13.1	13.1
95°	26.9	50.8	93.1	150.8	195.4	223.1	241.6	276.9	313.1	306.9	229.2
97.5°	39.2	65.4	112.3	165.4	226.9	258.5	282.3	324.6	370.8	409.3	436.9
100°	51.5	78.5	128.5	183.9	240.8	269.2	296.9	354.6	400.0	438.5	475.4
102.5°	64.6	91.5	143.1	200.8	256.9	284.6	311.6	362.3	413.1	459.3	495.4
105°	77.7	105.4	156.2	215.4	271.6	299.2	325.4	373.9	420.8	463.9	505.4
107.5°	91.5	117.7	167.7	226.9	283.1	310.8	336.9	385.4	430.8	473.9	511.6
110°	103.9	129.2	179.2	237.7	293.9	321.6	347.7	396.2	440.8	481.6	518.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	115.4	140.0	190.0	246.9	302.3	330.0	355.4	403.9	448.5	488.5	525.4
115°	128.5	150.0	200.8	255.4	310.0	336.9	362.3	410.0	454.6	493.9	530.0
117.5°	139.2	160.0	210.0	262.3	316.2	342.3	366.9	414.6	458.5	497.7	533.1
120°	150.0	169.2	218.5	268.5	320.8	346.2	370.8	417.7	461.6	500.0	534.6
122.5°	160.8	178.5	225.4	274.6	324.6	350.0	373.9	420.0	463.1	500.8	534.6
125°	170.8	186.2	231.6	279.2	326.9	351.6	374.6	420.0	462.3	499.3	533.1
127.5°	180.0	194.6	236.2	283.9	328.5	352.3	374.6	418.5	460.8	496.9	530.0
130°	189.2	202.3	240.8	286.2	330.0	351.6	373.1	415.4	456.9	493.1	524.6
132.5°	198.5	210.8	244.6	288.5	330.8	351.6	371.6	412.3	452.3	487.7	517.7
135°	206.9	216.9	248.5	290.0	330.0	350.0	368.5	406.9	445.4	480.0	509.3
137.5°	214.6	223.1	251.6	290.8	329.2	347.7	366.2	400.8	436.9	470.8	499.3
140°	221.6	229.2	253.1	290.8	326.2	344.6	361.6	394.6	427.7	460.0	487.7
142.5°	227.7	234.6	255.4	289.2	323.1	340.8	356.9	388.5	418.5	449.3	476.2
145°	233.9	239.2	256.9	288.5	319.2	335.4	350.8	380.8	410.0	437.7	463.1
147.5°	238.5	243.9	258.5	285.4	314.6	329.2	343.9	372.3	399.3	425.4	448.5
150°	243.1	247.7	259.2	282.3	309.2	322.3	335.4	362.3	388.5	412.3	433.9
152.5°	247.7	250.8	261.6	279.2	303.1	315.4	328.5	352.3	376.2	398.5	419.3
155°	250.8	253.1	262.3	276.2	296.9	307.7	318.5	340.8	362.3	383.1	402.3
157.5°	253.9	256.2	263.1	273.9	290.0	300.0	309.2	328.5	348.5	366.9	384.6
160°	256.2	257.7	263.1	272.3	283.9	290.8	299.2	316.9	333.9	350.0	365.4
162.5°	258.5	259.2	263.1	270.0	278.5	283.1	289.2	303.1	318.5	332.3	346.2
165°	260.0	260.8	263.1	268.5	273.9	277.7	280.8	290.8	302.3	314.6	326.2
167.5°	261.6	261.6	263.1	266.9	270.0	272.3	274.6	280.0	287.7	296.9	305.4
170°	262.3	262.3	263.1	265.4	267.7	268.5	270.0	273.1	276.9	281.6	286.9
172.5°	262.3	262.3	262.3	263.9	264.6	264.6	264.6	266.2	268.5	271.6	273.9
175°	262.3	261.6	261.6	262.3	261.6	261.6	261.6	261.6	262.3	263.9	264.6
177.5°	262.3	261.6	260.8	260.8	260.0	260.0	259.2	259.2	259.2	259.2	259.2
180°	257.7	257.7	257.7	257.7	257.7	257.7	257.7	257.7	257.7	257.7	257.7



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
2.5°	170.8	170.8	170.0	169.2	169.2	169.2	168.5	167.7	166.9	166.9
5°	170.8	170.8	170.0	170.0	170.0	170.0	169.2	169.2	168.5	168.5
7.5°	171.5	170.8	170.8	170.8	170.8	170.8	170.8	170.8	170.0	170.0
10°	171.5	171.5	171.5	171.5	171.5	171.5	171.5	171.5	171.5	171.5
12.5°	172.3	172.3	172.3	172.3	173.1	173.1	173.1	173.1	173.1	173.1
15°	172.3	173.1	173.9	173.9	173.9	174.6	174.6	174.6	174.6	174.6
17.5°	173.1	173.9	174.6	174.6	175.4	175.4	176.2	176.2	176.2	176.2
20°	173.1	173.9	174.6	175.4	176.2	176.2	176.9	177.7	177.7	176.9
22.5°	172.3	173.9	174.6	175.4	176.2	176.9	177.7	178.5	178.5	178.5
25°	171.5	173.1	174.6	176.2	176.2	176.9	178.5	178.5	178.5	178.5
27.5°	170.8	172.3	173.9	175.4	176.2	176.9	177.7	178.5	178.5	178.5
30°	169.2	171.5	173.1	174.6	175.4	176.2	176.9	177.7	177.7	177.7
32.5°	166.9	169.2	170.8	173.1	173.9	174.6	175.4	176.2	176.2	176.2
35°	164.6	166.9	168.5	170.8	171.5	172.3	173.9	173.9	174.6	174.6
37.5°	160.8	163.9	165.4	167.7	168.5	169.2	170.8	171.5	171.5	171.5
40°	156.9	160.0	161.5	163.9	164.6	165.4	166.9	167.7	168.5	168.5
42.5°	152.3	155.4	156.9	159.2	160.0	160.8	162.3	163.1	163.9	163.9
45°	147.7	150.0	151.5	153.9	155.4	155.4	156.9	157.7	158.5	158.5
47.5°	141.5	143.9	145.4	147.7	149.2	150.0	150.8	151.5	152.3	152.3
50°	134.6	136.9	139.2	140.8	142.3	142.3	143.9	144.6	145.4	145.4
52.5°	127.7	129.2	131.5	133.9	134.6	135.4	136.2	136.9	137.7	137.7
55°	120.0	121.5	123.9	125.4	126.2	126.9	127.7	128.5	129.2	129.2
57.5°	111.5	113.1	115.4	116.9	117.7	118.5	119.2	120.0	120.8	120.8
60°	102.3	103.9	106.2	107.7	108.5	108.5	110.0	110.8	110.8	110.8
62.5°	93.1	94.6	96.2	97.7	98.5	99.2	100.0	100.8	100.8	100.8
65°	83.9	85.4	86.9	87.7	88.5	88.5	89.2	90.0	90.8	90.8
67.5°	73.9	75.4	76.9	77.7	78.5	78.5	79.2	80.0	80.0	80.0
70°	63.8	64.6	66.2	66.9	67.7	67.7	69.2	69.2	69.2	69.2
72.5°	53.8	54.6	56.2	56.9	57.7	57.7	58.5	59.2	59.2	59.2
75°	44.6	45.4	46.2	47.7	47.7	47.7	48.5	49.2	49.2	49.2
77.5°	35.4	36.2	36.9	37.7	38.5	38.5	39.2	40.0	40.0	40.0
80°	26.9	27.7	28.5	29.2	29.2	30.0	30.0	30.8	30.8	30.8
82.5°	19.2	20.0	20.8	21.5	22.3	22.3	23.1	23.8	23.8	23.1
85°	13.1	14.6	15.4	16.2	16.2	16.2	16.9	17.7	17.7	16.9
87.5°	9.2	9.2	10.0	10.8	10.8	11.5	11.5	12.3	12.3	12.3
90°	5.4	5.4	6.2	6.2	6.9	6.9	6.9	7.7	7.7	7.7
92.5°	13.1	13.1	13.8	13.8	13.8	13.8	14.6	14.6	14.6	14.6
95°	140.0	63.1	53.1	32.3	30.8	26.9	26.2	26.9	26.9	26.2
97.5°	470.0	503.1	523.9	533.9	521.6	508.5	493.9	491.6	471.6	426.9
100°	507.0	533.1	558.5	576.2	583.1	589.3	603.1	611.6	615.4	619.3
102.5°	525.4	553.1	575.4	597.7	607.0	615.4	627.7	637.7	641.6	644.6
105°	541.6	570.0	594.6	614.6	623.1	630.8	643.1	652.3	659.3	660.0
107.5°	545.4	575.4	603.1	627.7	637.7	646.2	660.8	667.7	673.9	673.9
110°	552.3	580.8	606.2	628.5	638.5	648.5	663.9	674.7	680.8	682.3





TEST NUMBER: P395677

CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	557.7	587.0	610.8	633.1	641.6	650.8	665.4	675.4	680.8	683.1
115°	562.3	590.8	614.6	635.4	644.6	653.9	668.5	677.0	683.1	685.4
117.5°	565.4	593.1	617.0	636.2	646.2	653.9	667.7	677.0	683.1	683.9
120°	566.2	593.9	617.0	636.2	644.6	653.1	667.0	676.2	682.3	682.3
122.5°	566.2	593.1	616.2	634.6	642.3	650.0	663.1	673.9	679.3	679.3
125°	563.1	590.0	612.3	630.8	638.5	645.4	659.3	669.3	674.7	675.4
127.5°	558.5	584.6	607.0	625.4	633.1	639.3	653.9	663.1	668.5	669.3
130°	552.3	578.5	600.0	617.7	625.4	632.3	644.6	654.7	660.8	662.3
132.5°	545.4	570.0	591.6	608.5	616.2	622.3	634.6	644.6	650.0	652.3
135°	537.0	560.0	580.8	597.7	605.4	611.6	623.1	633.1	638.5	640.8
137.5°	526.2	548.5	568.5	585.4	592.3	598.5	610.0	619.3	623.9	627.0
140°	513.9	534.6	555.4	570.8	577.7	583.9	593.9	603.9	608.5	610.8
142.5°	500.8	521.6	540.0	555.4	561.6	567.7	577.7	587.0	591.6	592.3
145°	486.9	507.0	523.9	538.5	543.9	550.0	559.3	568.5	573.1	573.9
147.5°	471.6	490.0	506.2	520.0	526.2	530.8	539.3	547.7	552.3	553.1
150°	453.9	470.8	485.4	499.3	504.6	509.3	518.5	526.2	530.8	531.6
152.5°	436.9	453.1	465.4	477.7	483.1	487.7	495.4	503.1	507.7	508.5
155°	419.3	433.9	446.2	456.2	460.8	465.4	471.6	478.5	482.3	483.1
157.5°	400.8	414.6	425.4	434.6	439.3	443.1	448.5	454.6	456.9	458.5
160°	380.8	392.3	401.6	410.8	414.6	418.5	423.9	428.5	431.6	432.3
162.5°	359.2	369.3	376.9	385.4	387.7	390.8	396.2	400.8	403.1	403.9
165°	336.9	346.2	353.1	360.0	361.6	363.9	367.7	372.3	373.9	375.4
167.5°	314.6	322.3	326.9	333.1	335.4	336.9	340.8	343.9	345.4	346.2
170°	293.1	298.5	302.3	306.9	307.7	310.0	312.3	315.4	316.2	316.2
172.5°	276.2	278.5	280.8	282.3	283.1	283.9	285.4	286.2	286.2	286.2
175°	265.4	266.9	266.9	267.7	267.7	267.7	267.7	267.7	267.7	267.7
177.5°	259.2	259.2	259.2	258.5	258.5	258.5	258.5	257.7	257.7	257.7
180°	257.7	257.7	257.7	257.7	257.7	257.7	257.7	257.7	257.7	257.7

(END OF REPORT)