

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: P395674

Luminaire Tested: **I3-UL-30L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395674  
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 (3500K)  
Description: CORELITE I3, OPEN TOP  
3000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2960.8 lumens  
Efficiency: N/A  
Efficacy: 142.3 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

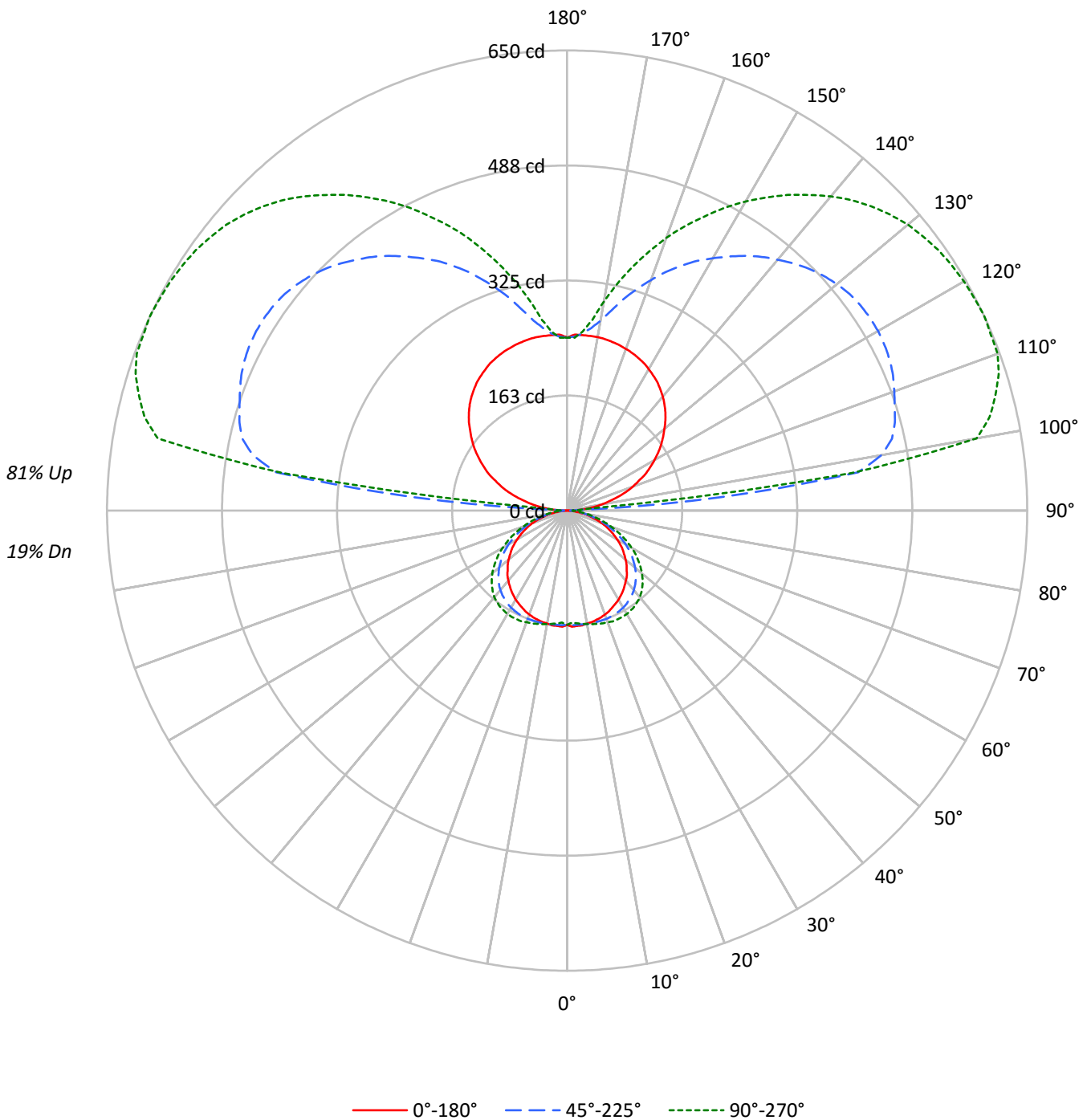
Input Watts (W): 20.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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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°	887	887	887
5°	899	874	857
10°	897	867	858
15°	899	864	865
20°	900	868	875
25°	898	870	889
30°	899	871	897
35°	899	867	901
40°	895	861	896
45°	887	843	876
50°	879	815	844
55°	864	775	796
60°	836	720	732
65°	800	640	653
70°	755	555	551
75°	656	436	442
80°	520	313	320
85°	310	183	211



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.4	0.5
10°-20°	46.0	1.6
20°-30°	74.0	2.5
30°-40°	95.3	3.2
40°-50°	104.6	3.5
50°-60°	98.3	3.3
60°-70°	76.4	2.6
70°-80°	43.8	1.5
80°-90°	14.1	0.5
90°-100°	189.3	6.4
100°-110°	449.8	15.2
110°-120°	451.8	15.3
120°-130°	414.3	14.0
130°-140°	346.5	11.7
140°-150°	260.0	8.8
150°-160°	169.3	5.7
160°-170°	87.2	2.9
170°-180°	24.7	0.8
0°-30°	135.5	4.6
0°-40°	230.7	7.8
0°-60°	433.7	14.6
0°-90°	568.0	19.2
90°-120°	1090.9	36.8
90°-150°	2111.7	71.3
90°-180°	2393.0	80.8
0°-180°	2960.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	161	161	161	161	161	
5°	164	162	162	161	160	16
15°	160	159	163	165	166	45
25°	151	152	161	167	169	70
35°	138	142	153	163	166	86
45°	119	125	137	147	150	92
55°	96	101	112	120	123	85
65°	67	71	77	84	86	66
75°	36	37	41	45	47	38
85°	7	9	12	15	16	9
90°	1	2	4	7	7	2
95°	26	212	217	29	25	25
105°	74	284	479	591	626	78
115°	122	320	503	612	650	120
125°	162	334	506	606	641	145
135°	196	332	483	574	608	151
145°	222	318	439	516	544	139
155°	238	292	382	437	458	110
165°	247	263	309	343	356	70
175°	249	248	251	254	254	24
180°	244	244	244	244	244	



TEST NUMBER: P395674

CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	161.3	161.3	161.3	161.3	161.3	161.3	161.3	161.3	161.3	161.3	161.3
2.5°	164.2	163.5	162.7	162.7	162.0	162.0	162.0	161.3	161.3	161.3	162.0
5°	163.5	163.5	162.7	162.0	162.0	162.0	161.3	161.3	161.3	161.3	162.0
7.5°	163.5	162.7	162.0	162.0	161.3	161.3	161.3	161.3	161.3	161.3	162.0
10°	162.0	162.0	161.3	161.3	160.5	161.3	161.3	161.3	161.3	161.3	162.7
12.5°	161.3	161.3	160.5	159.8	159.8	159.8	160.5	160.5	160.5	161.3	162.7
15°	159.8	159.8	159.1	159.1	159.1	159.1	159.8	159.8	160.5	161.3	162.7
17.5°	158.3	158.3	157.6	157.6	157.6	158.3	158.3	159.1	159.8	161.3	162.7
20°	156.2	156.2	156.2	156.2	156.2	156.9	156.9	157.6	159.1	160.5	162.7
22.5°	154.0	154.0	154.0	154.0	154.0	154.7	155.4	156.9	157.6	159.8	162.0
25°	151.0	151.0	151.0	151.0	151.8	152.5	153.2	154.7	156.2	158.3	161.3
27.5°	148.1	148.9	148.9	148.9	149.6	150.3	151.0	152.5	154.7	157.6	159.8
30°	145.2	145.2	145.2	145.9	146.7	147.4	148.9	150.3	152.5	155.4	158.3
32.5°	141.6	141.6	142.3	142.3	143.7	144.5	145.9	148.1	150.3	153.2	156.2
35°	137.9	137.9	137.9	139.4	140.1	141.6	142.3	144.5	147.4	150.3	153.2
37.5°	133.5	134.3	134.3	135.0	136.5	137.9	138.6	141.6	144.5	147.4	150.3
40°	129.2	129.9	129.9	130.6	132.8	133.5	135.0	137.9	140.1	143.7	146.7
42.5°	124.8	124.8	125.5	126.2	128.4	129.2	130.6	133.5	136.5	139.4	142.3
45°	118.9	119.7	120.4	121.1	123.3	124.8	126.2	128.4	131.3	134.3	137.2
47.5°	113.8	113.8	114.6	116.0	118.2	119.7	120.4	123.3	125.5	128.4	131.3
50°	108.0	108.7	108.7	110.2	112.4	113.8	114.6	117.5	119.7	122.6	125.5
52.5°	101.4	102.2	102.9	104.3	106.5	108.0	108.7	110.9	113.1	116.0	118.2
55°	95.6	96.3	96.3	97.8	100.0	100.7	102.2	103.6	106.5	108.7	111.6
57.5°	89.0	89.8	89.8	91.2	92.7	94.1	94.9	97.0	99.2	101.4	103.6
60°	81.7	82.5	83.2	83.9	85.4	86.8	87.6	89.0	91.2	93.4	95.6
62.5°	74.4	75.2	75.9	76.6	78.1	78.8	79.5	81.7	83.2	85.4	86.8
65°	67.1	67.9	68.6	69.3	70.1	70.8	71.5	73.0	74.4	76.6	77.3
67.5°	59.8	60.6	60.6	61.3	62.0	62.8	63.5	64.9	65.7	67.9	68.6
70°	52.5	52.5	52.5	53.3	53.3	54.0	54.7	56.2	56.9	58.4	59.8
72.5°	43.8	44.5	44.5	44.5	45.2	46.0	46.7	47.4	48.2	48.9	50.3
75°	35.8	36.5	35.8	36.5	37.2	37.2	37.9	38.7	39.4	40.1	40.9
77.5°	28.5	27.7	28.5	28.5	29.2	29.2	29.2	29.9	31.4	31.4	32.8
80°	20.4	20.4	20.4	20.4	21.2	21.2	21.9	21.9	23.4	24.1	24.8
82.5°	13.1	13.1	13.9	13.9	13.9	14.6	14.6	15.3	16.1	16.8	17.5
85°	7.3	7.3	7.3	8.0	8.0	8.8	8.8	9.5	10.2	10.9	11.7
87.5°	2.2	2.9	3.6	3.6	4.4	4.4	5.1	5.1	6.6	7.3	8.0
90°	0.7	0.7	1.5	1.5	1.5	2.2	2.2	2.9	2.9	3.6	4.4
92.5°	12.4	29.2	60.6	90.5	78.1	73.0	43.8	13.1	11.7	12.4	12.4
95°	25.5	48.2	88.3	143.0	185.3	211.6	229.1	262.7	297.0	291.1	217.4
97.5°	37.2	62.0	106.5	156.9	215.3	245.2	267.8	307.9	351.7	388.2	414.5
100°	48.9	74.4	121.9	174.4	228.4	255.4	281.7	336.4	379.4	415.9	450.9
102.5°	61.3	86.8	135.7	190.4	243.7	270.0	295.5	343.7	391.8	435.6	469.9
105°	73.7	100.0	148.1	204.3	257.6	283.8	308.7	354.6	399.1	440.0	479.4
107.5°	86.8	111.6	159.1	215.3	268.5	294.8	319.6	365.6	408.6	449.5	485.2
110°	98.5	122.6	170.0	225.5	278.7	305.0	329.8	375.8	418.1	456.8	491.8



TEST NUMBER: P395674

CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	109.5	132.8	180.2	234.2	286.8	313.0	337.1	383.1	425.4	463.4	498.4
115°	121.9	142.3	190.4	242.3	294.1	319.6	343.7	388.9	431.2	468.5	502.8
117.5°	132.1	151.8	199.2	248.8	299.9	324.7	348.1	393.3	434.9	472.1	505.7
120°	142.3	160.5	207.2	254.7	304.3	328.4	351.7	396.2	437.8	474.3	507.1
122.5°	152.5	169.3	213.8	260.5	307.9	332.0	354.6	398.4	439.3	475.0	507.1
125°	162.0	176.6	219.6	264.9	310.1	333.5	355.4	398.4	438.5	473.6	505.7
127.5°	170.7	184.6	224.0	269.3	311.6	334.2	355.4	397.0	437.1	471.4	502.8
130°	179.5	191.9	228.4	271.4	313.0	333.5	353.9	394.0	433.4	467.7	497.6
132.5°	188.3	199.9	232.0	273.6	313.8	333.5	352.4	391.1	429.1	462.6	491.1
135°	196.3	205.8	235.7	275.1	313.0	332.0	349.5	386.0	422.5	455.3	483.1
137.5°	203.6	211.6	238.6	275.8	312.3	329.8	347.3	380.2	414.5	446.6	473.6
140°	210.2	217.4	240.1	275.8	309.4	326.9	343.0	374.3	405.7	436.4	462.6
142.5°	216.0	222.6	242.3	274.4	306.5	323.3	338.6	368.5	397.0	426.1	451.7
145°	221.8	226.9	243.7	273.6	302.8	318.1	332.7	361.2	388.9	415.2	439.3
147.5°	226.2	231.3	245.2	270.7	298.4	312.3	326.2	353.2	378.7	403.5	425.4
150°	230.6	235.0	245.9	267.8	293.3	305.7	318.1	343.7	368.5	391.1	411.5
152.5°	235.0	237.9	248.1	264.9	287.5	299.2	311.6	334.2	356.8	378.0	397.7
155°	237.9	240.1	248.8	262.0	281.7	291.9	302.1	323.3	343.7	363.4	381.6
157.5°	240.8	243.0	249.6	259.8	275.1	284.6	293.3	311.6	330.5	348.1	364.8
160°	243.0	244.4	249.6	258.3	269.3	275.8	283.8	300.6	316.7	332.0	346.6
162.5°	245.2	245.9	249.6	256.1	264.1	268.5	274.4	287.5	302.1	315.2	328.4
165°	246.6	247.4	249.6	254.7	259.8	263.4	266.3	275.8	286.8	298.4	309.4
167.5°	248.1	248.1	249.6	253.2	256.1	258.3	260.5	265.6	272.9	281.7	289.7
170°	248.8	248.8	249.6	251.7	253.9	254.7	256.1	259.0	262.7	267.1	272.2
172.5°	248.8	248.8	248.8	250.3	251.0	251.0	251.0	252.5	254.7	257.6	259.8
175°	248.8	248.1	248.1	248.8	248.1	248.1	248.1	248.1	248.8	250.3	251.0
177.5°	248.8	248.1	247.4	247.4	246.6	246.6	245.9	245.9	245.9	245.9	245.9
180°	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4



TEST NUMBER: P395674

CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	161.3	161.3	161.3	161.3	161.3	161.3	161.3	161.3	161.3	161.3
2.5°	162.0	162.0	161.3	160.5	160.5	160.5	159.8	159.1	158.3	158.3
5°	162.0	162.0	161.3	161.3	161.3	161.3	160.5	160.5	159.8	159.8
7.5°	162.7	162.0	162.0	162.0	162.0	162.0	162.0	162.0	161.3	161.3
10°	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7
12.5°	163.5	163.5	163.5	163.5	164.2	164.2	164.2	164.2	164.2	164.2
15°	163.5	164.2	164.9	164.9	164.9	165.6	165.6	165.6	165.6	165.6
17.5°	164.2	164.9	165.6	165.6	166.4	166.4	167.1	167.1	167.1	167.1
20°	164.2	164.9	165.6	166.4	167.1	167.1	167.8	168.6	168.6	167.8
22.5°	163.5	164.9	165.6	166.4	167.1	167.8	168.6	169.3	169.3	169.3
25°	162.7	164.2	165.6	167.1	167.1	167.8	169.3	169.3	169.3	169.3
27.5°	162.0	163.5	164.9	166.4	167.1	167.8	168.6	169.3	169.3	169.3
30°	160.5	162.7	164.2	165.6	166.4	167.1	167.8	168.6	168.6	168.6
32.5°	158.3	160.5	162.0	164.2	164.9	165.6	166.4	167.1	167.1	167.1
35°	156.2	158.3	159.8	162.0	162.7	163.5	164.9	164.9	165.6	165.6
37.5°	152.5	155.4	156.9	159.1	159.8	160.5	162.0	162.7	162.7	162.7
40°	148.9	151.8	153.2	155.4	156.2	156.9	158.3	159.1	159.8	159.8
42.5°	144.5	147.4	148.9	151.0	151.8	152.5	154.0	154.7	155.4	155.4
45°	140.1	142.3	143.7	145.9	147.4	147.4	148.9	149.6	150.3	150.3
47.5°	134.3	136.5	137.9	140.1	141.6	142.3	143.0	143.7	144.5	144.5
50°	127.7	129.9	132.1	133.5	135.0	135.0	136.5	137.2	137.9	137.9
52.5°	121.1	122.6	124.8	127.0	127.7	128.4	129.2	129.9	130.6	130.6
55°	113.8	115.3	117.5	118.9	119.7	120.4	121.1	121.9	122.6	122.6
57.5°	105.8	107.3	109.5	110.9	111.6	112.4	113.1	113.8	114.6	114.6
60°	97.0	98.5	100.7	102.2	102.9	102.9	104.3	105.1	105.1	105.1
62.5°	88.3	89.8	91.2	92.7	93.4	94.1	94.9	95.6	95.6	95.6
65°	79.5	81.0	82.5	83.2	83.9	83.9	84.6	85.4	86.1	86.1
67.5°	70.1	71.5	73.0	73.7	74.4	74.4	75.2	75.9	75.9	75.9
70°	60.6	61.3	62.8	63.5	64.2	64.2	65.7	65.7	65.7	65.7
72.5°	51.1	51.8	53.3	54.0	54.7	54.7	55.5	56.2	56.2	56.2
75°	42.3	43.1	43.8	45.2	45.2	45.2	46.0	46.7	46.7	46.7
77.5°	33.6	34.3	35.0	35.8	36.5	36.5	37.2	37.9	37.9	37.9
80°	25.5	26.3	27.0	27.7	27.7	28.5	28.5	29.2	29.2	29.2
82.5°	18.2	19.0	19.7	20.4	21.2	21.2	21.9	22.6	22.6	21.9
85°	12.4	13.9	14.6	15.3	15.3	15.3	16.1	16.8	16.8	16.1
87.5°	8.8	8.8	9.5	10.2	10.2	10.9	10.9	11.7	11.7	11.7
90°	5.1	5.1	5.8	5.8	6.6	6.6	6.6	7.3	7.3	7.3
92.5°	12.4	12.4	13.1	13.1	13.1	13.1	13.9	13.9	13.9	13.9
95°	132.8	59.8	50.3	30.6	29.2	25.5	24.8	25.5	25.5	24.8
97.5°	445.8	477.2	496.9	506.4	494.7	482.3	468.5	466.3	447.3	405.0
100°	480.9	505.7	529.8	546.5	553.1	558.9	572.1	580.1	583.8	587.4
102.5°	498.4	524.6	545.8	567.0	575.7	583.8	595.4	604.9	608.6	611.5
105°	513.7	540.7	564.0	583.0	591.0	598.3	610.0	618.8	625.3	626.1
107.5°	517.3	545.8	572.1	595.4	604.9	612.9	626.8	633.4	639.2	639.2
110°	523.9	550.9	575.0	596.2	605.6	615.1	629.7	639.9	645.8	647.2





TEST NUMBER: P395674

CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	529.0	556.8	579.4	600.5	608.6	617.3	631.2	640.7	645.8	648.0
115°	533.4	560.4	583.0	602.7	611.5	620.2	634.1	642.1	648.0	650.2
117.5°	536.3	562.6	585.2	603.5	612.9	620.2	633.4	642.1	648.0	648.7
120°	537.1	563.3	585.2	603.5	611.5	619.5	632.6	641.4	647.2	647.2
122.5°	537.1	562.6	584.5	602.0	609.3	616.6	629.0	639.2	644.3	644.3
125°	534.1	559.7	580.8	598.3	605.6	612.2	625.3	634.8	639.9	640.7
127.5°	529.8	554.6	575.7	593.2	600.5	606.4	620.2	629.0	634.1	634.8
130°	523.9	548.7	569.2	585.9	593.2	599.8	611.5	621.0	626.8	628.3
132.5°	517.3	540.7	561.1	577.2	584.5	590.3	602.0	611.5	616.6	618.8
135°	509.3	531.2	550.9	567.0	574.3	580.1	591.0	600.5	605.6	607.8
137.5°	499.1	520.3	539.2	555.3	561.9	567.7	578.6	587.4	591.8	594.7
140°	487.4	507.1	526.8	541.4	548.0	553.8	563.3	572.8	577.2	579.4
142.5°	475.0	494.7	512.2	526.8	532.7	538.5	548.0	556.8	561.1	561.9
145°	461.9	480.9	496.9	510.8	515.9	521.7	530.5	539.2	543.6	544.3
147.5°	447.3	464.8	480.1	493.3	499.1	503.5	511.5	519.5	523.9	524.6
150°	430.5	446.6	460.4	473.6	478.7	483.1	491.8	499.1	503.5	504.2
152.5°	414.5	429.8	441.5	453.1	458.2	462.6	469.9	477.2	481.6	482.3
155°	397.7	411.5	423.2	432.7	437.1	441.5	447.3	453.9	457.5	458.2
157.5°	380.2	393.3	403.5	412.3	416.7	420.3	425.4	431.2	433.4	434.9
160°	361.2	372.1	380.9	389.7	393.3	397.0	402.1	406.4	409.4	410.1
162.5°	340.8	350.3	357.5	365.6	367.8	370.7	375.8	380.2	382.4	383.1
165°	319.6	328.4	334.9	341.5	343.0	345.1	348.8	353.2	354.6	356.1
167.5°	298.4	305.7	310.1	316.0	318.1	319.6	323.3	326.2	327.6	328.4
170°	278.0	283.1	286.8	291.1	291.9	294.1	296.3	299.2	299.9	299.9
172.5°	262.0	264.1	266.3	267.8	268.5	269.3	270.7	271.4	271.4	271.4
175°	251.7	253.2	253.2	253.9	253.9	253.9	253.9	253.9	253.9	253.9
177.5°	245.9	245.9	245.9	245.2	245.2	245.2	245.2	244.4	244.4	244.4
180°	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4

(END OF REPORT)