

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: P395678

Luminaire Tested: **I3-UL-30L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395678  
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 (5700K)  
Description: CORELITE I3, OPEN TOP  
3000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 5700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3160.8 lumens  
Efficiency: N/A  
Efficacy: 148.4 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

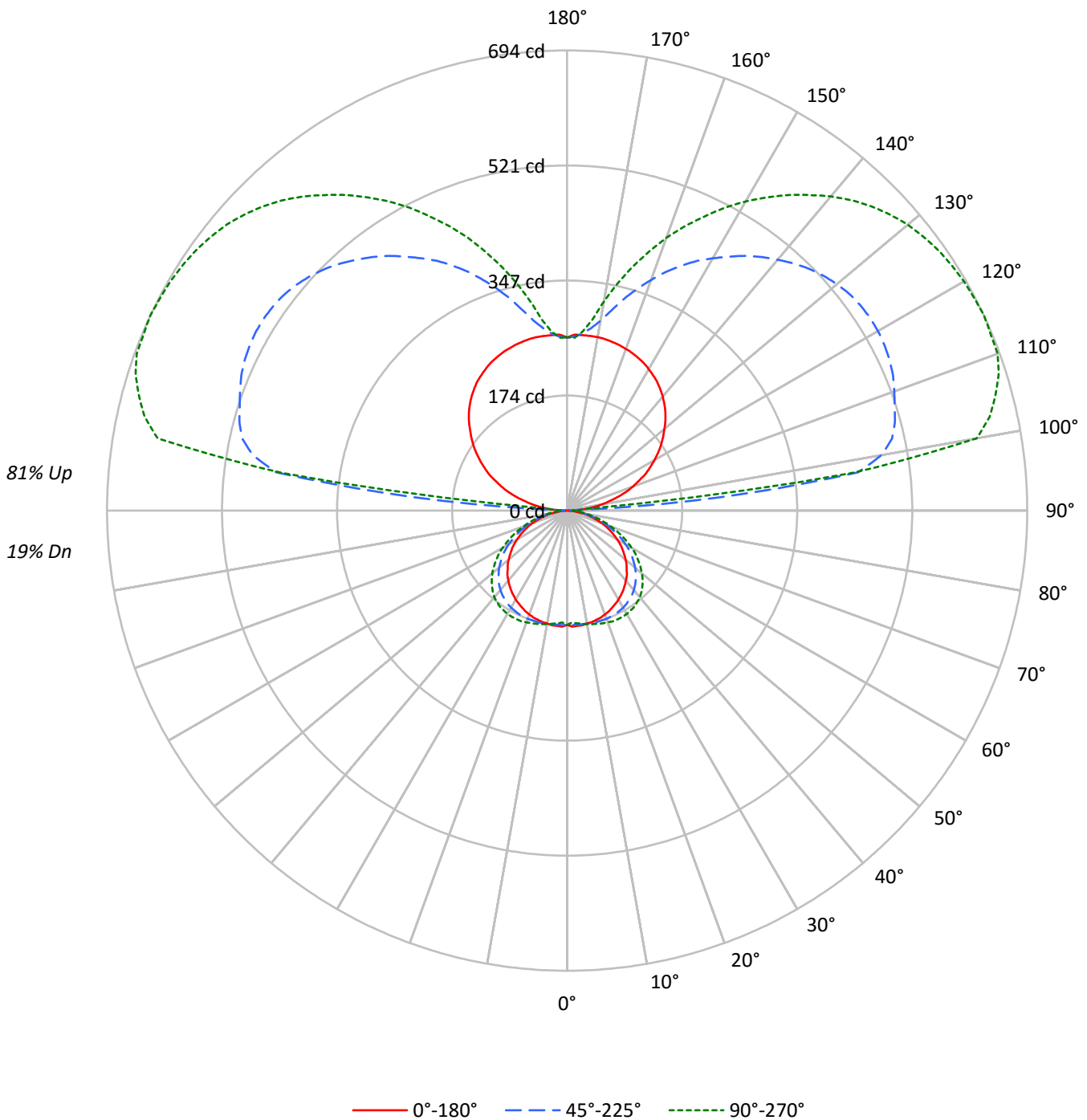
Input Watts (W): 21.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	946	946	946
5°	959	932	915
10°	958	926	916
15°	960	923	924
20°	960	926	935
25°	959	929	948
30°	960	930	958
35°	959	926	962
40°	955	919	957
45°	947	899	936
50°	938	870	901
55°	921	828	850
60°	893	768	782
65°	855	684	697
70°	807	594	588
75°	700	465	472
80°	556	335	342
85°	331	195	224



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.5	0.5
10°-20°	49.1	1.6
20°-30°	79.0	2.5
30°-40°	101.7	3.2
40°-50°	111.7	3.5
50°-60°	105.0	3.3
60°-70°	81.6	2.6
70°-80°	46.8	1.5
80°-90°	15.0	0.5
90°-100°	202.1	6.4
100°-110°	480.2	15.2
110°-120°	482.3	15.3
120°-130°	442.3	14.0
130°-140°	369.9	11.7
140°-150°	277.6	8.8
150°-160°	180.7	5.7
160°-170°	93.1	2.9
170°-180°	26.3	0.8
0°-30°	144.6	4.6
0°-40°	246.3	7.8
0°-60°	463.0	14.6
0°-90°	606.3	19.2
90°-120°	1164.6	36.8
90°-150°	2254.4	71.3
90°-180°	2555.0	80.8
0°-180°	3160.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	172	172	172	172	172	
5°	174	173	173	172	171	17
15°	171	170	174	176	177	48
25°	161	163	172	178	181	74
35°	147	151	164	174	177	92
45°	127	133	146	157	160	98
55°	102	108	119	128	131	91
65°	72	76	83	90	92	71
75°	38	40	44	48	50	41
85°	8	9	12	16	17	9
90°	1	2	5	7	8	2
95°	27	226	232	31	26	27
105°	79	303	512	631	668	83
115°	130	341	537	653	694	128
125°	173	356	540	647	684	154
135°	210	354	516	613	649	161
145°	237	340	469	551	581	148
155°	254	312	407	467	489	117
165°	263	281	330	366	380	74
175°	266	265	268	271	271	25
180°	261	261	261	261	261	



TEST NUMBER: P395678

CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (5700K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	172.2	172.2	172.2	172.2	172.2	172.2	172.2	172.2	172.2	172.2	172.2
2.5°	175.3	174.5	173.7	173.7	172.9	172.9	172.9	172.2	172.2	172.2	172.9
5°	174.5	174.5	173.7	172.9	172.9	172.9	172.2	172.2	172.2	172.2	172.9
7.5°	174.5	173.7	172.9	172.9	172.2	172.2	172.2	172.2	172.2	172.2	172.9
10°	172.9	172.9	172.2	172.2	171.4	172.2	172.2	172.2	172.2	172.2	173.7
12.5°	172.2	172.2	171.4	170.6	170.6	170.6	171.4	171.4	171.4	172.2	173.7
15°	170.6	170.6	169.8	169.8	169.8	169.8	170.6	170.6	171.4	172.2	173.7
17.5°	169.0	169.0	168.3	168.3	168.3	169.0	169.0	169.8	170.6	172.2	173.7
20°	166.7	166.7	166.7	166.7	166.7	167.5	167.5	168.3	169.8	171.4	173.7
22.5°	164.4	164.4	164.4	164.4	164.4	165.1	165.9	167.5	168.3	170.6	172.9
25°	161.2	161.2	161.2	161.2	162.0	162.8	163.6	165.1	166.7	169.0	172.2
27.5°	158.1	158.9	158.9	158.9	159.7	160.5	161.2	162.8	165.1	168.3	170.6
30°	155.0	155.0	155.0	155.8	156.6	157.4	158.9	160.5	162.8	165.9	169.0
32.5°	151.1	151.1	151.9	151.9	153.5	154.2	155.8	158.1	160.5	163.6	166.7
35°	147.2	147.2	147.2	148.8	149.6	151.1	151.9	154.2	157.4	160.5	163.6
37.5°	142.6	143.3	143.3	144.1	145.7	147.2	148.0	151.1	154.2	157.4	160.5
40°	137.9	138.7	138.7	139.4	141.8	142.6	144.1	147.2	149.6	153.5	156.6
42.5°	133.2	133.2	134.0	134.8	137.1	137.9	139.4	142.6	145.7	148.8	151.9
45°	127.0	127.8	128.5	129.3	131.6	133.2	134.8	137.1	140.2	143.3	146.4
47.5°	121.5	121.5	122.3	123.9	126.2	127.8	128.5	131.6	134.0	137.1	140.2
50°	115.3	116.1	116.1	117.6	120.0	121.5	122.3	125.4	127.8	130.9	134.0
52.5°	108.3	109.1	109.8	111.4	113.7	115.3	116.1	118.4	120.7	123.9	126.2
55°	102.0	102.8	102.8	104.4	106.7	107.5	109.1	110.6	113.7	116.1	119.2
57.5°	95.0	95.8	95.8	97.4	98.9	100.5	101.3	103.6	105.9	108.3	110.6
60°	87.2	88.0	88.8	89.6	91.1	92.7	93.5	95.0	97.4	99.7	102.0
62.5°	79.5	80.2	81.0	81.8	83.4	84.1	84.9	87.2	88.8	91.1	92.7
65°	71.7	72.4	73.2	74.0	74.8	75.6	76.3	77.9	79.5	81.8	82.6
67.5°	63.9	64.7	64.7	65.4	66.2	67.0	67.8	69.3	70.1	72.4	73.2
70°	56.1	56.1	56.1	56.9	56.9	57.6	58.4	60.0	60.8	62.3	63.9
72.5°	46.7	47.5	47.5	47.5	48.3	49.1	49.9	50.6	51.4	52.2	53.7
75°	38.2	38.9	38.2	38.9	39.7	39.7	40.5	41.3	42.1	42.8	43.6
77.5°	30.4	29.6	30.4	30.4	31.2	31.2	31.2	31.9	33.5	33.5	35.1
80°	21.8	21.8	21.8	21.8	22.6	22.6	23.4	23.4	24.9	25.7	26.5
82.5°	14.0	14.0	14.8	14.8	14.8	15.6	15.6	16.4	17.1	17.9	18.7
85°	7.8	7.8	7.8	8.6	8.6	9.3	9.3	10.1	10.9	11.7	12.5
87.5°	2.3	3.1	3.9	3.9	4.7	4.7	5.5	5.5	7.0	7.8	8.6
90°	0.8	0.8	1.6	1.6	1.6	2.3	2.3	3.1	3.1	3.9	4.7
92.5°	13.2	31.2	64.7	96.6	83.4	77.9	46.7	14.0	12.5	13.2	13.2
95°	27.3	51.4	94.3	152.7	197.9	225.9	244.6	280.4	317.0	310.8	232.1
97.5°	39.7	66.2	113.7	167.5	229.8	261.7	285.9	328.7	375.5	414.4	442.5
100°	52.2	79.5	130.1	186.2	243.8	272.6	300.7	359.1	405.1	444.0	481.4
102.5°	65.4	92.7	144.9	203.3	260.2	288.2	315.5	366.9	418.3	465.1	501.7
105°	78.7	106.7	158.1	218.1	275.0	303.0	329.5	378.6	426.1	469.7	511.8
107.5°	92.7	119.2	169.8	229.8	286.7	314.7	341.2	390.3	436.2	479.9	518.0
110°	105.2	130.9	181.5	240.7	297.6	325.6	352.1	401.2	446.4	487.6	525.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	116.8	141.8	192.4	250.1	306.1	334.2	359.9	409.0	454.1	494.7	532.0
115°	130.1	151.9	203.3	258.6	313.9	341.2	366.9	415.2	460.4	500.1	536.7
117.5°	141.0	162.0	212.7	265.6	320.2	346.6	371.6	419.9	464.3	504.0	539.8
120°	151.9	171.4	221.2	271.9	324.8	350.5	375.5	423.0	467.4	506.3	541.4
122.5°	162.8	180.7	228.2	278.1	328.7	354.4	378.6	425.3	468.9	507.1	541.4
125°	172.9	188.5	234.5	282.8	331.1	356.0	379.4	425.3	468.2	505.6	539.8
127.5°	182.3	197.1	239.1	287.4	332.6	356.8	379.4	423.8	466.6	503.2	536.7
130°	191.6	204.9	243.8	289.8	334.2	356.0	377.8	420.6	462.7	499.3	531.3
132.5°	201.0	213.4	247.7	292.1	335.0	356.0	376.2	417.5	458.0	493.9	524.3
135°	209.5	219.7	251.6	293.7	334.2	354.4	373.1	412.1	451.0	486.1	515.7
137.5°	217.3	225.9	254.7	294.5	333.4	352.1	370.8	405.8	442.5	476.7	505.6
140°	224.3	232.1	256.3	294.5	330.3	349.0	366.1	399.6	433.1	465.8	493.9
142.5°	230.6	237.6	258.6	292.9	327.2	345.1	361.4	393.4	423.8	454.9	482.2
145°	236.8	242.3	260.2	292.1	323.3	339.6	355.2	385.6	415.2	443.2	468.9
147.5°	241.5	246.9	261.7	289.0	318.6	333.4	348.2	377.0	404.3	430.8	454.1
150°	246.2	250.8	262.5	285.9	313.2	326.4	339.6	366.9	393.4	417.5	439.3
152.5°	250.8	253.9	264.9	282.8	306.9	319.4	332.6	356.8	380.9	403.5	424.5
155°	253.9	256.3	265.6	279.7	300.7	311.6	322.5	345.1	366.9	387.9	407.4
157.5°	257.1	259.4	266.4	277.3	293.7	303.8	313.2	332.6	352.9	371.6	389.5
160°	259.4	261.0	266.4	275.8	287.4	294.5	303.0	320.9	338.1	354.4	370.0
162.5°	261.7	262.5	266.4	273.4	282.0	286.7	292.9	306.9	322.5	336.5	350.5
165°	263.3	264.1	266.4	271.9	277.3	281.2	284.3	294.5	306.1	318.6	330.3
167.5°	264.9	264.9	266.4	270.3	273.4	275.8	278.1	283.5	291.3	300.7	309.3
170°	265.6	265.6	266.4	268.7	271.1	271.9	273.4	276.5	280.4	285.1	290.6
172.5°	265.6	265.6	265.6	267.2	268.0	268.0	268.0	269.5	271.9	275.0	277.3
175°	265.6	264.9	264.9	265.6	264.9	264.9	264.9	264.9	265.6	267.2	268.0
177.5°	265.6	264.9	264.1	264.1	263.3	263.3	262.5	262.5	262.5	262.5	262.5
180°	261.0	261.0	261.0	261.0	261.0	261.0	261.0	261.0	261.0	261.0	261.0



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	172.2	172.2	172.2	172.2	172.2	172.2	172.2	172.2	172.2	172.2
2.5°	172.9	172.9	172.2	171.4	171.4	171.4	170.6	169.8	169.0	169.0
5°	172.9	172.9	172.2	172.2	172.2	172.2	171.4	171.4	170.6	170.6
7.5°	173.7	172.9	172.9	172.9	172.9	172.9	172.9	172.9	172.2	172.2
10°	173.7	173.7	173.7	173.7	173.7	173.7	173.7	173.7	173.7	173.7
12.5°	174.5	174.5	174.5	174.5	175.3	175.3	175.3	175.3	175.3	175.3
15°	174.5	175.3	176.0	176.0	176.0	176.8	176.8	176.8	176.8	176.8
17.5°	175.3	176.0	176.8	176.8	177.6	177.6	178.4	178.4	178.4	178.4
20°	175.3	176.0	176.8	177.6	178.4	178.4	179.2	179.9	179.9	179.2
22.5°	174.5	176.0	176.8	177.6	178.4	179.2	179.9	180.7	180.7	180.7
25°	173.7	175.3	176.8	178.4	178.4	179.2	180.7	180.7	180.7	180.7
27.5°	172.9	174.5	176.0	177.6	178.4	179.2	179.9	180.7	180.7	180.7
30°	171.4	173.7	175.3	176.8	177.6	178.4	179.2	179.9	179.9	179.9
32.5°	169.0	171.4	172.9	175.3	176.0	176.8	177.6	178.4	178.4	178.4
35°	166.7	169.0	170.6	172.9	173.7	174.5	176.0	176.0	176.8	176.8
37.5°	162.8	165.9	167.5	169.8	170.6	171.4	172.9	173.7	173.7	173.7
40°	158.9	162.0	163.6	165.9	166.7	167.5	169.0	169.8	170.6	170.6
42.5°	154.2	157.4	158.9	161.2	162.0	162.8	164.4	165.1	165.9	165.9
45°	149.6	151.9	153.5	155.8	157.4	157.4	158.9	159.7	160.5	160.5
47.5°	143.3	145.7	147.2	149.6	151.1	151.9	152.7	153.5	154.2	154.2
50°	136.3	138.7	141.0	142.6	144.1	144.1	145.7	146.4	147.2	147.2
52.5°	129.3	130.9	133.2	135.5	136.3	137.1	137.9	138.7	139.4	139.4
55°	121.5	123.1	125.4	127.0	127.8	128.5	129.3	130.1	130.9	130.9
57.5°	113.0	114.5	116.8	118.4	119.2	120.0	120.7	121.5	122.3	122.3
60°	103.6	105.2	107.5	109.1	109.8	109.8	111.4	112.2	112.2	112.2
62.5°	94.3	95.8	97.4	98.9	99.7	100.5	101.3	102.0	102.0	102.0
65°	84.9	86.5	88.0	88.8	89.6	89.6	90.4	91.1	91.9	91.9
67.5°	74.8	76.3	77.9	78.7	79.5	79.5	80.2	81.0	81.0	81.0
70°	64.7	65.4	67.0	67.8	68.6	68.6	70.1	70.1	70.1	70.1
72.5°	54.5	55.3	56.9	57.6	58.4	58.4	59.2	60.0	60.0	60.0
75°	45.2	46.0	46.7	48.3	48.3	48.3	49.1	49.9	49.9	49.9
77.5°	35.8	36.6	37.4	38.2	38.9	38.9	39.7	40.5	40.5	40.5
80°	27.3	28.0	28.8	29.6	29.6	30.4	30.4	31.2	31.2	31.2
82.5°	19.5	20.3	21.0	21.8	22.6	22.6	23.4	24.1	24.1	23.4
85°	13.2	14.8	15.6	16.4	16.4	16.4	17.1	17.9	17.9	17.1
87.5°	9.3	9.3	10.1	10.9	10.9	11.7	11.7	12.5	12.5	12.5
90°	5.5	5.5	6.2	6.2	7.0	7.0	7.0	7.8	7.8	7.8
92.5°	13.2	13.2	14.0	14.0	14.0	14.0	14.8	14.8	14.8	14.8
95°	141.8	63.9	53.7	32.7	31.2	27.3	26.5	27.3	27.3	26.5
97.5°	476.0	509.5	530.5	540.6	528.1	514.9	500.1	497.8	477.5	432.3
100°	513.3	539.8	565.5	583.5	590.5	596.7	610.7	619.3	623.2	627.1
102.5°	532.0	560.1	582.7	605.3	614.6	623.2	635.6	645.8	649.7	652.8
105°	548.4	577.2	602.2	622.4	631.0	638.8	651.2	660.6	667.6	668.4
107.5°	552.3	582.7	610.7	635.6	645.8	654.3	669.1	676.2	682.4	682.4
110°	559.3	588.1	613.8	636.4	646.6	656.7	672.3	683.2	689.4	691.0





TEST NUMBER: P395678

CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (5700K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	564.8	594.4	618.5	641.1	649.7	659.0	673.8	683.9	689.4	691.7
115°	569.4	598.3	622.4	643.4	652.8	662.1	676.9	685.5	691.7	694.1
117.5°	572.6	600.6	624.7	644.2	654.3	662.1	676.2	685.5	691.7	692.5
120°	573.3	601.4	624.7	644.2	652.8	661.4	675.4	684.7	691.0	691.0
122.5°	573.3	600.6	624.0	642.7	650.4	658.2	671.5	682.4	687.8	687.8
125°	570.2	597.5	620.1	638.8	646.6	653.6	667.6	677.7	683.2	683.9
127.5°	565.5	592.0	614.6	633.3	641.1	647.3	662.1	671.5	676.9	677.7
130°	559.3	585.8	607.6	625.5	633.3	640.3	652.8	662.9	669.1	670.7
132.5°	552.3	577.2	599.0	616.2	624.0	630.2	642.7	652.8	658.2	660.6
135°	543.7	567.1	588.1	605.3	613.1	619.3	631.0	641.1	646.6	648.9
137.5°	532.8	555.4	575.7	592.8	599.8	606.0	617.7	627.1	631.8	634.9
140°	520.4	541.4	562.4	578.0	585.0	591.2	601.4	611.5	616.2	618.5
142.5°	507.1	528.1	546.8	562.4	568.7	574.9	585.0	594.4	599.0	599.8
145°	493.1	513.3	530.5	545.3	550.7	557.0	566.3	575.7	580.3	581.1
147.5°	477.5	496.2	512.6	526.6	532.8	537.5	546.1	554.6	559.3	560.1
150°	459.6	476.7	491.5	505.6	511.0	515.7	525.0	532.8	537.5	538.3
152.5°	442.5	458.8	471.3	483.7	489.2	493.9	501.7	509.5	514.1	514.9
155°	424.5	439.3	451.8	461.9	466.6	471.3	477.5	484.5	488.4	489.2
157.5°	405.8	419.9	430.8	440.1	444.8	448.7	454.1	460.4	462.7	464.3
160°	385.6	397.3	406.6	416.0	419.9	423.8	429.2	433.9	437.0	437.8
162.5°	363.8	373.9	381.7	390.3	392.6	395.7	401.2	405.8	408.2	409.0
165°	341.2	350.5	357.6	364.6	366.1	368.5	372.4	377.0	378.6	380.1
167.5°	318.6	326.4	331.1	337.3	339.6	341.2	345.1	348.2	349.8	350.5
170°	296.8	302.2	306.1	310.8	311.6	313.9	316.3	319.4	320.2	320.2
172.5°	279.7	282.0	284.3	285.9	286.7	287.4	289.0	289.8	289.8	289.8
175°	268.7	270.3	270.3	271.1	271.1	271.1	271.1	271.1	271.1	271.1
177.5°	262.5	262.5	262.5	261.7	261.7	261.7	261.7	261.0	261.0	261.0
180°	261.0	261.0	261.0	261.0	261.0	261.0	261.0	261.0	261.0	261.0

(END OF REPORT)