

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: P395679

Luminaire Tested: **I3-UL-30L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395679  
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 (6500K)  
Description: CORELITE I3, OPEN TOP  
3000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3166.9 lumens  
Efficiency: N/A  
Efficacy: 146.6 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

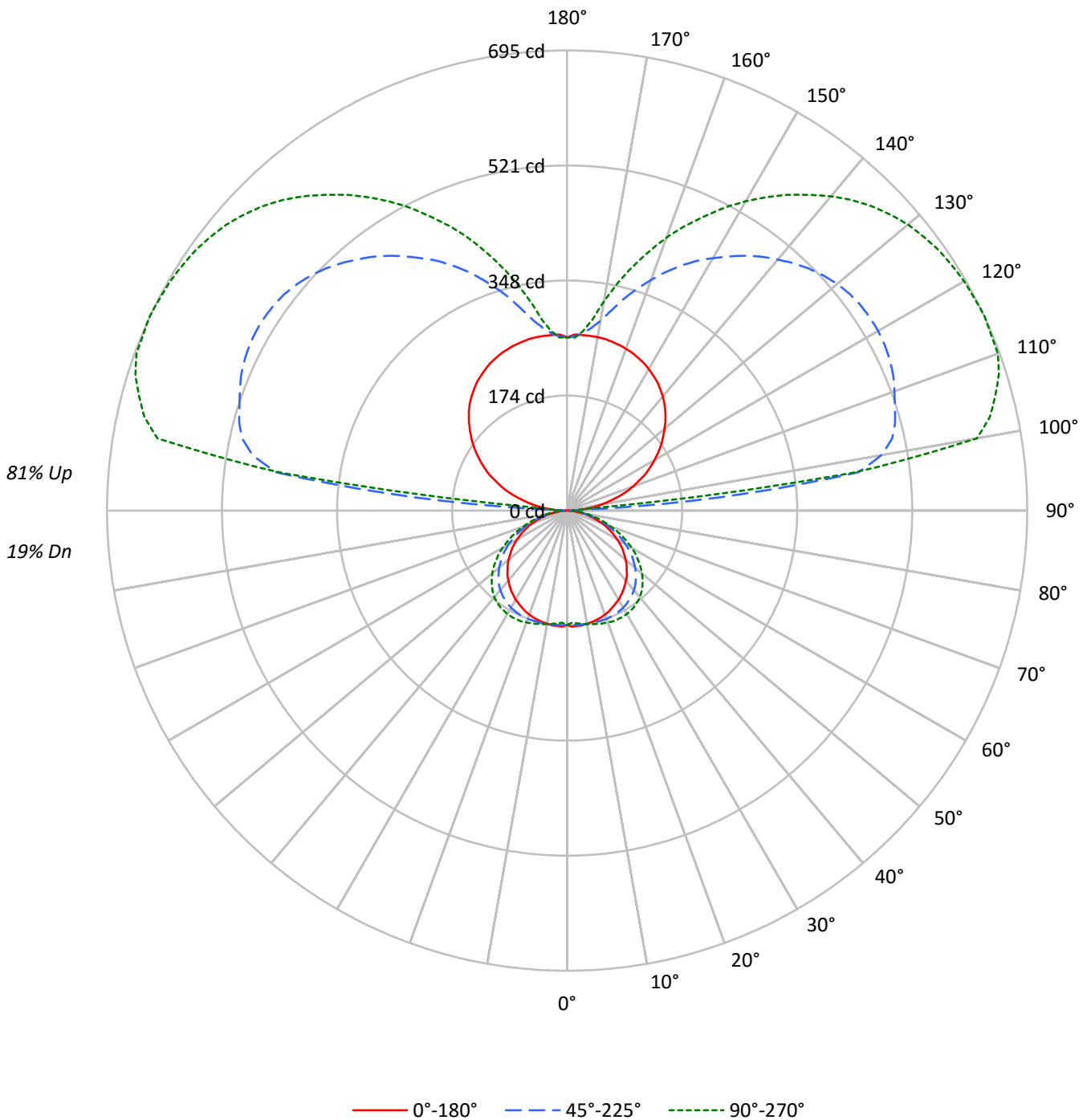
Input Watts (W): 21.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	948	948	948
5°	961	934	916
10°	960	928	917
15°	962	924	926
20°	962	928	936
25°	961	931	951
30°	962	932	960
35°	961	927	964
40°	957	920	958
45°	948	901	937
50°	940	871	903
55°	923	829	851
60°	895	769	783
65°	856	685	699
70°	809	594	589
75°	700	466	473
80°	558	335	342
85°	331	195	226



TEST NUMBER: P395679

CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (6500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.5	0.5
10°-20°	49.2	1.6
20°-30°	79.2	2.5
30°-40°	101.9	3.2
40°-50°	111.9	3.5
50°-60°	105.2	3.3
60°-70°	81.7	2.6
70°-80°	46.9	1.5
80°-90°	15.0	0.5
90°-100°	202.4	6.4
100°-110°	481.1	15.2
110°-120°	483.3	15.3
120°-130°	443.2	14.0
130°-140°	370.6	11.7
140°-150°	278.1	8.8
150°-160°	181.1	5.7
160°-170°	93.2	2.9
170°-180°	26.4	0.8
0°-30°	144.9	4.6
0°-40°	246.8	7.8
0°-60°	463.9	14.6
0°-90°	607.5	19.2
90°-120°	1166.8	36.8
90°-150°	2258.7	71.3
90°-180°	2559.0	80.8
0°-180°	3166.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	172	172	172	172	172	
5°	175	173	173	172	171	17
15°	171	170	174	176	177	48
25°	162	163	172	179	181	75
35°	148	151	164	174	177	92
45°	127	134	147	158	161	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	233	31	26	27
105°	79	304	513	632	670	83
115°	130	342	538	654	695	128
125°	173	357	541	648	685	155
135°	210	355	517	614	650	162
145°	237	340	470	552	582	148
155°	254	312	408	468	490	117
165°	264	282	331	367	381	75
175°	266	265	268	272	272	25
180°	262	262	262	262	262	



TEST NUMBER: P395679

CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	172.5	172.5	172.5	172.5	172.5	172.5	172.5	172.5	172.5	172.5	172.5
2.5°	175.6	174.8	174.0	174.0	173.3	173.3	173.3	172.5	172.5	172.5	173.3
5°	174.8	174.8	174.0	173.3	173.3	173.3	172.5	172.5	172.5	172.5	173.3
7.5°	174.8	174.0	173.3	173.3	172.5	172.5	172.5	172.5	172.5	172.5	173.3
10°	173.3	173.3	172.5	172.5	171.7	172.5	172.5	172.5	172.5	172.5	174.0
12.5°	172.5	172.5	171.7	170.9	170.9	170.9	171.7	171.7	171.7	172.5	174.0
15°	170.9	170.9	170.1	170.1	170.1	170.1	170.9	170.9	171.7	172.5	174.0
17.5°	169.4	169.4	168.6	168.6	168.6	169.4	169.4	170.1	170.9	172.5	174.0
20°	167.0	167.0	167.0	167.0	167.0	167.8	167.8	168.6	170.1	171.7	174.0
22.5°	164.7	164.7	164.7	164.7	164.7	165.5	166.2	167.8	168.6	170.9	173.3
25°	161.6	161.6	161.6	161.6	162.3	163.1	163.9	165.5	167.0	169.4	172.5
27.5°	158.4	159.2	159.2	159.2	160.0	160.8	161.6	163.1	165.5	168.6	170.9
30°	155.3	155.3	155.3	156.1	156.9	157.7	159.2	160.8	163.1	166.2	169.4
32.5°	151.4	151.4	152.2	152.2	153.8	154.5	156.1	158.4	160.8	163.9	167.0
35°	147.5	147.5	147.5	149.1	149.9	151.4	152.2	154.5	157.7	160.8	163.9
37.5°	142.8	143.6	143.6	144.4	145.9	147.5	148.3	151.4	154.5	157.7	160.8
40°	138.1	138.9	138.9	139.7	142.0	142.8	144.4	147.5	149.9	153.8	156.9
42.5°	133.5	133.5	134.2	135.0	137.4	138.1	139.7	142.8	145.9	149.1	152.2
45°	127.2	128.0	128.8	129.6	131.9	133.5	135.0	137.4	140.5	143.6	146.7
47.5°	121.8	121.8	122.5	124.1	126.4	128.0	128.8	131.9	134.2	137.4	140.5
50°	115.5	116.3	116.3	117.9	120.2	121.8	122.5	125.7	128.0	131.1	134.2
52.5°	108.5	109.3	110.0	111.6	113.9	115.5	116.3	118.6	121.0	124.1	126.4
55°	102.2	103.0	103.0	104.6	106.9	107.7	109.3	110.8	113.9	116.3	119.4
57.5°	95.2	96.0	96.0	97.6	99.1	100.7	101.5	103.8	106.1	108.5	110.8
60°	87.4	88.2	89.0	89.8	91.3	92.9	93.7	95.2	97.6	99.9	102.2
62.5°	79.6	80.4	81.2	81.9	83.5	84.3	85.1	87.4	89.0	91.3	92.9
65°	71.8	72.6	73.4	74.1	74.9	75.7	76.5	78.0	79.6	81.9	82.7
67.5°	64.0	64.8	64.8	65.6	66.3	67.1	67.9	69.5	70.2	72.6	73.4
70°	56.2	56.2	56.2	57.0	57.0	57.8	58.5	60.1	60.9	62.4	64.0
72.5°	46.8	47.6	47.6	47.6	48.4	49.2	50.0	50.7	51.5	52.3	53.9
75°	38.2	39.0	38.2	39.0	39.8	39.8	40.6	41.4	42.1	42.9	43.7
77.5°	30.4	29.7	30.4	30.4	31.2	31.2	31.2	32.0	33.6	33.6	35.1
80°	21.9	21.9	21.9	21.9	22.6	22.6	23.4	23.4	25.0	25.8	26.5
82.5°	14.0	14.0	14.8	14.8	14.8	15.6	15.6	16.4	17.2	18.0	18.7
85°	7.8	7.8	7.8	8.6	8.6	9.4	9.4	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°	13.3	31.2	64.8	96.8	83.5	78.0	46.8	14.0	12.5	13.3	13.3
95°	27.3	51.5	94.4	153.0	198.2	226.3	245.1	281.0	317.7	311.4	232.6
97.5°	39.8	66.3	113.9	167.8	230.2	262.2	286.4	329.4	376.2	415.2	443.3
100°	52.3	79.6	130.3	186.5	244.3	273.2	301.3	359.8	405.8	444.9	482.3
102.5°	65.6	92.9	145.2	203.7	260.7	288.8	316.1	367.6	419.1	465.9	502.6
105°	78.8	106.9	158.4	218.5	275.5	303.6	330.1	379.3	426.9	470.6	512.8
107.5°	92.9	119.4	170.1	230.2	287.2	315.3	341.8	391.0	437.1	480.8	519.0
110°	105.4	131.1	181.9	241.2	298.1	326.2	352.8	401.9	447.2	488.6	526.0



TEST NUMBER: P395679

CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	117.1	142.0	192.8	250.5	306.7	334.8	360.6	409.7	455.0	495.6	533.1
115°	130.3	152.2	203.7	259.1	314.5	341.8	367.6	416.0	461.3	501.1	537.7
117.5°	141.3	162.3	213.1	266.1	320.8	347.3	372.3	420.7	465.2	505.0	540.9
120°	152.2	171.7	221.7	272.4	325.5	351.2	376.2	423.8	468.3	507.3	542.4
122.5°	163.1	181.1	228.7	278.6	329.4	355.1	379.3	426.1	469.8	508.1	542.4
125°	173.3	188.9	234.9	283.3	331.7	356.7	380.1	426.1	469.1	506.5	540.9
127.5°	182.6	197.5	239.6	288.0	333.3	357.5	380.1	424.6	467.5	504.2	537.7
130°	192.0	205.3	244.3	290.3	334.8	356.7	378.5	421.5	463.6	500.3	532.3
132.5°	201.4	213.9	248.2	292.7	335.6	356.7	377.0	418.3	458.9	494.8	525.3
135°	209.9	220.1	252.1	294.2	334.8	355.1	373.8	412.9	451.9	487.0	516.7
137.5°	217.8	226.3	255.2	295.0	334.0	352.8	371.5	406.6	443.3	477.7	506.5
140°	224.8	232.6	256.8	295.0	330.9	349.7	366.8	400.4	433.9	466.7	494.8
142.5°	231.0	238.0	259.1	293.5	327.8	345.8	362.1	394.1	424.6	455.8	483.1
145°	237.3	242.7	260.7	292.7	323.9	340.3	355.9	386.3	416.0	444.1	469.8
147.5°	241.9	247.4	262.2	289.6	319.2	334.0	348.9	377.7	405.1	431.6	455.0
150°	246.6	251.3	263.0	286.4	313.8	327.0	340.3	367.6	394.1	418.3	440.2
152.5°	251.3	254.4	265.4	283.3	307.5	320.0	333.3	357.5	381.7	404.3	425.4
155°	254.4	256.8	266.1	280.2	301.3	312.2	323.1	345.8	367.6	388.7	408.2
157.5°	257.6	259.9	266.9	277.8	294.2	304.4	313.8	333.3	353.6	372.3	390.2
160°	259.9	261.5	266.9	276.3	288.0	295.0	303.6	321.6	338.7	355.1	370.7
162.5°	262.2	263.0	266.9	273.9	282.5	287.2	293.5	307.5	323.1	337.2	351.2
165°	263.8	264.6	266.9	272.4	277.8	281.8	284.9	295.0	306.7	319.2	330.9
167.5°	265.4	265.4	266.9	270.8	273.9	276.3	278.6	284.1	291.9	301.3	309.8
170°	266.1	266.1	266.9	269.3	271.6	272.4	273.9	277.1	281.0	285.7	291.1
172.5°	266.1	266.1	266.1	267.7	268.5	268.5	268.5	270.0	272.4	275.5	277.8
175°	266.1	265.4	265.4	266.1	265.4	265.4	265.4	265.4	266.1	267.7	268.5
177.5°	266.1	265.4	264.6	264.6	263.8	263.8	263.0	263.0	263.0	263.0	263.0
180°	261.5	261.5	261.5	261.5	261.5	261.5	261.5	261.5	261.5	261.5	261.5



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CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	172.5	172.5	172.5	172.5	172.5	172.5	172.5	172.5	172.5	172.5
2.5°	173.3	173.3	172.5	171.7	171.7	171.7	170.9	170.1	169.4	169.4
5°	173.3	173.3	172.5	172.5	172.5	172.5	171.7	171.7	170.9	170.9
7.5°	174.0	173.3	173.3	173.3	173.3	173.3	173.3	173.3	172.5	172.5
10°	174.0	174.0	174.0	174.0	174.0	174.0	174.0	174.0	174.0	174.0
12.5°	174.8	174.8	174.8	174.8	175.6	175.6	175.6	175.6	175.6	175.6
15°	174.8	175.6	176.4	176.4	176.4	177.2	177.2	177.2	177.2	177.2
17.5°	175.6	176.4	177.2	177.2	177.9	177.9	178.7	178.7	178.7	178.7
20°	175.6	176.4	177.2	177.9	178.7	178.7	179.5	180.3	180.3	179.5
22.5°	174.8	176.4	177.2	177.9	178.7	179.5	180.3	181.1	181.1	181.1
25°	174.0	175.6	177.2	178.7	178.7	179.5	181.1	181.1	181.1	181.1
27.5°	173.3	174.8	176.4	177.9	178.7	179.5	180.3	181.1	181.1	181.1
30°	171.7	174.0	175.6	177.2	177.9	178.7	179.5	180.3	180.3	180.3
32.5°	169.4	171.7	173.3	175.6	176.4	177.2	177.9	178.7	178.7	178.7
35°	167.0	169.4	170.9	173.3	174.0	174.8	176.4	176.4	177.2	177.2
37.5°	163.1	166.2	167.8	170.1	170.9	171.7	173.3	174.0	174.0	174.0
40°	159.2	162.3	163.9	166.2	167.0	167.8	169.4	170.1	170.9	170.9
42.5°	154.5	157.7	159.2	161.6	162.3	163.1	164.7	165.5	166.2	166.2
45°	149.9	152.2	153.8	156.1	157.7	157.7	159.2	160.0	160.8	160.8
47.5°	143.6	145.9	147.5	149.9	151.4	152.2	153.0	153.8	154.5	154.5
50°	136.6	138.9	141.3	142.8	144.4	144.4	145.9	146.7	147.5	147.5
52.5°	129.6	131.1	133.5	135.8	136.6	137.4	138.1	138.9	139.7	139.7
55°	121.8	123.3	125.7	127.2	128.0	128.8	129.6	130.3	131.1	131.1
57.5°	113.2	114.7	117.1	118.6	119.4	120.2	121.0	121.8	122.5	122.5
60°	103.8	105.4	107.7	109.3	110.0	110.0	111.6	112.4	112.4	112.4
62.5°	94.4	96.0	97.6	99.1	99.9	100.7	101.5	102.2	102.2	102.2
65°	85.1	86.6	88.2	89.0	89.8	89.8	90.5	91.3	92.1	92.1
67.5°	74.9	76.5	78.0	78.8	79.6	79.6	80.4	81.2	81.2	81.2
70°	64.8	65.6	67.1	67.9	68.7	68.7	70.2	70.2	70.2	70.2
72.5°	54.6	55.4	57.0	57.8	58.5	58.5	59.3	60.1	60.1	60.1
75°	45.3	46.0	46.8	48.4	48.4	48.4	49.2	50.0	50.0	50.0
77.5°	35.9	36.7	37.5	38.2	39.0	39.0	39.8	40.6	40.6	40.6
80°	27.3	28.1	28.9	29.7	29.7	30.4	30.4	31.2	31.2	31.2
82.5°	19.5	20.3	21.1	21.9	22.6	22.6	23.4	24.2	24.2	23.4
85°	13.3	14.8	15.6	16.4	16.4	16.4	17.2	18.0	18.0	17.2
87.5°	9.4	9.4	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°	13.3	13.3	14.0	14.0	14.0	14.0	14.8	14.8	14.8	14.8
95°	142.0	64.0	53.9	32.8	31.2	27.3	26.5	27.3	27.3	26.5
97.5°	476.9	510.4	531.5	541.6	529.2	515.9	501.1	498.7	478.4	433.2
100°	514.3	540.9	566.6	584.6	591.6	597.8	611.9	620.5	624.4	628.3
102.5°	533.1	561.2	583.8	606.4	615.8	624.4	636.9	647.0	650.9	654.0
105°	549.5	578.3	603.3	623.6	632.2	640.0	652.5	661.8	668.9	669.6
107.5°	553.4	583.8	611.9	636.9	647.0	655.6	670.4	677.5	683.7	683.7
110°	560.4	589.3	615.0	637.6	647.8	657.9	673.5	684.5	690.7	692.3





TEST NUMBER: P395679

CATALOG NUMBER: I3-UL-30L82765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	565.8	595.5	619.7	642.3	650.9	660.3	675.1	685.3	690.7	693.1
115°	570.5	599.4	623.6	644.7	654.0	663.4	678.2	686.8	693.1	695.4
117.5°	573.6	601.7	625.9	645.5	655.6	663.4	677.5	686.8	693.1	693.8
120°	574.4	602.5	625.9	645.5	654.0	662.6	676.7	686.0	692.3	692.3
122.5°	574.4	601.7	625.2	643.9	651.7	659.5	672.8	683.7	689.2	689.2
125°	571.3	598.6	621.3	640.0	647.8	654.8	668.9	679.0	684.5	685.3
127.5°	566.6	593.2	615.8	634.5	642.3	648.6	663.4	672.8	678.2	679.0
130°	560.4	586.9	608.8	626.7	634.5	641.6	654.0	664.2	670.4	672.0
132.5°	553.4	578.3	600.2	617.4	625.2	631.4	643.9	654.0	659.5	661.8
135°	544.8	568.2	589.3	606.4	614.2	620.5	632.2	642.3	647.8	650.1
137.5°	533.8	556.5	576.8	593.9	601.0	607.2	618.9	628.3	633.0	636.1
140°	521.4	542.4	563.5	579.1	586.1	592.4	602.5	612.7	617.4	619.7
142.5°	508.1	529.2	547.9	563.5	569.7	576.0	586.1	595.5	600.2	601.0
145°	494.0	514.3	531.5	546.3	551.8	558.0	567.4	576.8	581.5	582.2
147.5°	478.4	497.2	513.6	527.6	533.8	538.5	547.1	555.7	560.4	561.2
150°	460.5	477.7	492.5	506.5	512.0	516.7	526.0	533.8	538.5	539.3
152.5°	443.3	459.7	472.2	484.7	490.1	494.8	502.6	510.4	515.1	515.9
155°	425.4	440.2	452.7	462.8	467.5	472.2	478.4	485.5	489.4	490.1
157.5°	406.6	420.7	431.6	441.0	445.7	449.6	455.0	461.3	463.6	465.2
160°	386.3	398.0	407.4	416.8	420.7	424.6	430.0	434.7	437.8	438.6
162.5°	364.5	374.6	382.4	391.0	393.4	396.5	401.9	406.6	409.0	409.7
165°	341.8	351.2	358.2	365.3	366.8	369.2	373.1	377.7	379.3	380.9
167.5°	319.2	327.0	331.7	337.9	340.3	341.8	345.8	348.9	350.4	351.2
170°	297.4	302.8	306.7	311.4	312.2	314.5	316.9	320.0	320.8	320.8
172.5°	280.2	282.5	284.9	286.4	287.2	288.0	289.6	290.3	290.3	290.3
175°	269.3	270.8	270.8	271.6	271.6	271.6	271.6	271.6	271.6	271.6
177.5°	263.0	263.0	263.0	262.2	262.2	262.2	262.2	261.5	261.5	261.5
180°	261.5	261.5	261.5	261.5	261.5	261.5	261.5	261.5	261.5	261.5

(END OF REPORT)