

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: P395647

Luminaire Tested: **I3-UL-20L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395647
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-20L82765-1D-UNV-W2A-W-4 (3000K)
Description: CORELITE I3, OPEN TOP
2000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2225.2 lumens
Efficiency: N/A
Efficacy: 138.2 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

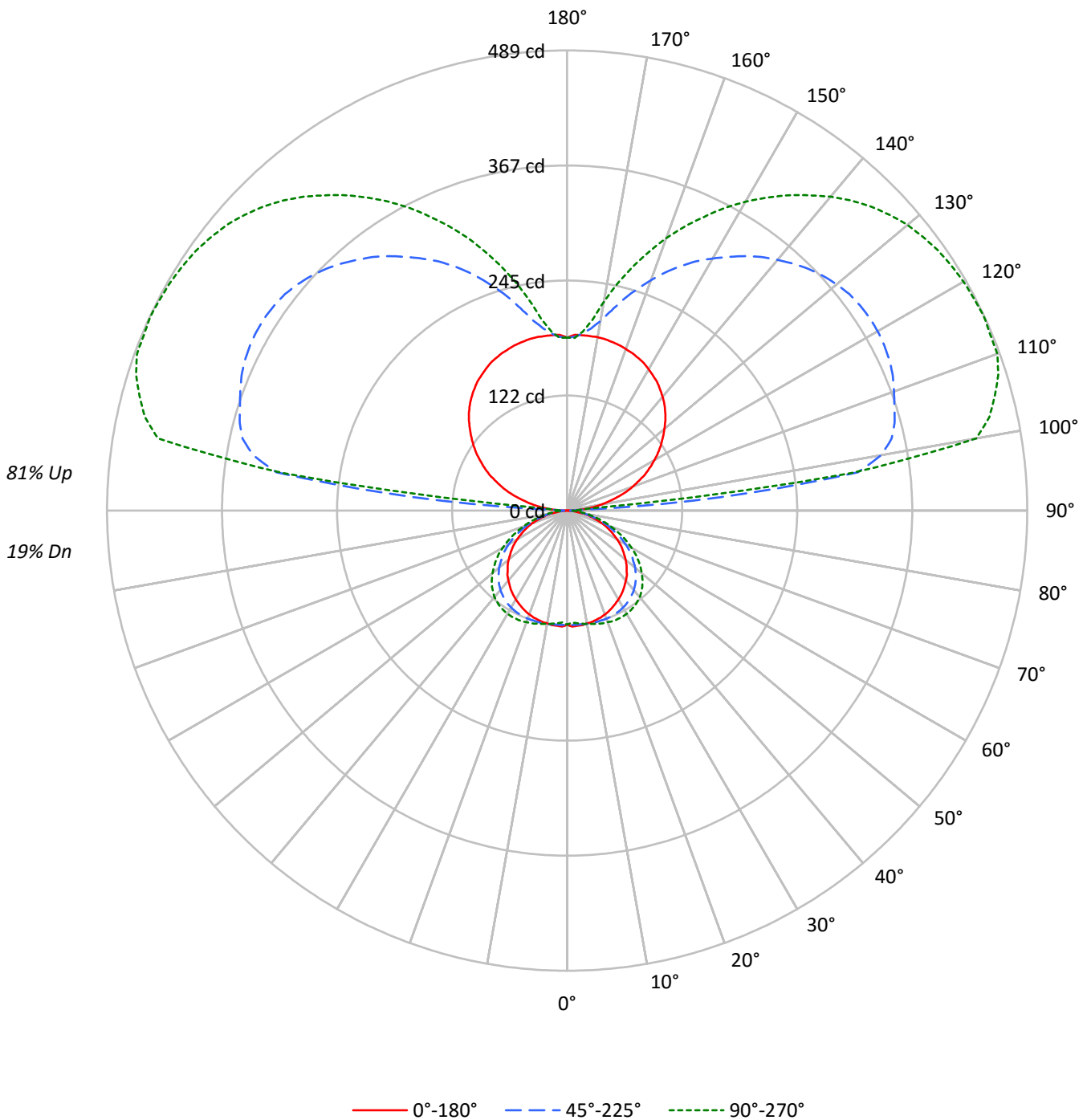
Input Watts (W): 16.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	666	666	666
5°	675	656	644
10°	674	652	645
15°	676	650	650
20°	676	652	658
25°	675	654	668
30°	676	655	674
35°	675	652	677
40°	673	647	673
45°	667	633	659
50°	661	612	634
55°	649	583	598
60°	629	540	551
65°	602	481	491
70°	568	418	414
75°	493	327	332
80°	393	235	240
85°	233	137	159



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.6	0.5
10°-20°	34.6	1.6
20°-30°	55.6	2.5
30°-40°	71.6	3.2
40°-50°	78.6	3.5
50°-60°	73.9	3.3
60°-70°	57.4	2.6
70°-80°	32.9	1.5
80°-90°	10.6	0.5
90°-100°	142.2	6.4
100°-110°	338.0	15.2
110°-120°	339.6	15.3
120°-130°	311.4	14.0
130°-140°	260.4	11.7
140°-150°	195.4	8.8
150°-160°	127.2	5.7
160°-170°	65.5	2.9
170°-180°	18.5	0.8
0°-30°	101.8	4.6
0°-40°	173.4	7.8
0°-60°	325.9	14.6
0°-90°	426.8	19.2
90°-120°	819.8	36.8
90°-150°	1587.1	71.3
90°-180°	1798.0	80.8
0°-180°	2225.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	121	121	121	121	121	
5°	123	122	122	121	120	12
15°	120	120	122	124	124	34
25°	114	115	121	126	127	52
35°	104	106	115	122	124	65
45°	89	94	103	111	113	69
55°	72	76	84	90	92	64
65°	50	53	58	63	65	50
75°	27	28	31	34	35	29
85°	6	7	9	12	12	6
90°	0	2	3	5	6	2
95°	19	159	163	22	19	19
105°	55	213	360	444	470	59
115°	92	240	378	460	489	90
125°	122	251	380	455	482	109
135°	148	250	363	432	457	114
145°	167	239	330	388	409	104
155°	179	219	287	328	344	83
165°	185	198	232	258	268	52
175°	187	186	189	191	191	18
180°	184	184	184	184	184	



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CATALOG NUMBER: I3-UL-20L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
2.5°	123.4	122.8	122.3	122.3	121.7	121.7	121.7	121.2	121.2	121.2	121.7
5°	122.8	122.8	122.3	121.7	121.7	121.7	121.2	121.2	121.2	121.2	121.7
7.5°	122.8	122.3	121.7	121.7	121.2	121.2	121.2	121.2	121.2	121.2	121.7
10°	121.7	121.7	121.2	121.2	120.6	121.2	121.2	121.2	121.2	121.2	122.3
12.5°	121.2	121.2	120.6	120.1	120.1	120.1	120.6	120.6	120.6	121.2	122.3
15°	120.1	120.1	119.6	119.6	119.6	119.6	120.1	120.1	120.6	121.2	122.3
17.5°	119.0	119.0	118.5	118.5	118.5	119.0	119.0	119.6	120.1	121.2	122.3
20°	117.4	117.4	117.4	117.4	117.4	117.9	117.9	118.5	119.6	120.6	122.3
22.5°	115.7	115.7	115.7	115.7	115.7	116.3	116.8	117.9	118.5	120.1	121.7
25°	113.5	113.5	113.5	113.5	114.1	114.6	115.2	116.3	117.4	119.0	121.2
27.5°	111.3	111.9	111.9	111.9	112.4	113.0	113.5	114.6	116.3	118.5	120.1
30°	109.1	109.1	109.1	109.7	110.2	110.8	111.9	113.0	114.6	116.8	119.0
32.5°	106.4	106.4	106.9	106.9	108.0	108.6	109.7	111.3	113.0	115.2	117.4
35°	103.6	103.6	103.6	104.7	105.3	106.4	106.9	108.6	110.8	113.0	115.2
37.5°	100.4	100.9	100.9	101.5	102.6	103.6	104.2	106.4	108.6	110.8	113.0
40°	97.1	97.6	97.6	98.2	99.8	100.4	101.5	103.6	105.3	108.0	110.2
42.5°	93.8	93.8	94.3	94.9	96.5	97.1	98.2	100.4	102.6	104.7	106.9
45°	89.4	89.9	90.5	91.0	92.7	93.8	94.9	96.5	98.7	100.9	103.1
47.5°	85.6	85.6	86.1	87.2	88.8	89.9	90.5	92.7	94.3	96.5	98.7
50°	81.2	81.7	81.7	82.8	84.5	85.6	86.1	88.3	89.9	92.1	94.3
52.5°	76.2	76.8	77.3	78.4	80.1	81.2	81.7	83.4	85.0	87.2	88.8
55°	71.8	72.4	72.4	73.5	75.1	75.7	76.8	77.9	80.1	81.7	83.9
57.5°	66.9	67.5	67.5	68.6	69.6	70.7	71.3	72.9	74.6	76.2	77.9
60°	61.4	62.0	62.5	63.1	64.2	65.3	65.8	66.9	68.6	70.2	71.8
62.5°	55.9	56.5	57.0	57.6	58.7	59.2	59.8	61.4	62.5	64.2	65.3
65°	50.5	51.0	51.5	52.1	52.6	53.2	53.7	54.8	55.9	57.6	58.1
67.5°	45.0	45.5	45.5	46.1	46.6	47.2	47.7	48.8	49.4	51.0	51.5
70°	39.5	39.5	39.5	40.0	40.0	40.6	41.1	42.2	42.8	43.9	45.0
72.5°	32.9	33.5	33.5	33.5	34.0	34.5	35.1	35.6	36.2	36.7	37.8
75°	26.9	27.4	26.9	27.4	28.0	28.0	28.5	29.1	29.6	30.2	30.7
77.5°	21.4	20.8	21.4	21.4	21.9	21.9	21.9	22.5	23.6	23.6	24.7
80°	15.4	15.4	15.4	15.4	15.9	15.9	16.5	16.5	17.5	18.1	18.6
82.5°	9.9	9.9	10.4	10.4	10.4	11.0	11.0	11.5	12.1	12.6	13.2
85°	5.5	5.5	5.5	6.0	6.0	6.6	6.6	7.1	7.7	8.2	8.8
87.5°	1.6	2.2	2.7	2.7	3.3	3.3	3.8	3.8	4.9	5.5	6.0
90°	0.5	0.5	1.1	1.1	1.1	1.6	1.6	2.2	2.2	2.7	3.3
92.5°	9.3	21.9	45.5	68.0	58.7	54.8	32.9	9.9	8.8	9.3	9.3
95°	19.2	36.2	66.4	107.5	139.3	159.0	172.2	197.4	223.2	218.8	163.4
97.5°	28.0	46.6	80.1	117.9	161.8	184.3	201.3	231.4	264.3	291.8	311.5
100°	36.7	55.9	91.6	131.1	171.7	191.9	211.7	252.8	285.2	312.6	338.9
102.5°	46.1	65.3	102.0	143.1	183.2	202.9	222.1	258.3	294.5	327.4	353.2
105°	55.4	75.1	111.3	153.6	193.6	213.3	232.0	266.5	300.0	330.7	360.3
107.5°	65.3	83.9	119.6	161.8	201.8	221.6	240.2	274.8	307.1	337.8	364.7
110°	74.0	92.1	127.8	169.5	209.5	229.2	247.9	282.4	314.2	343.3	369.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	82.3	99.8	135.5	176.0	215.5	235.3	253.4	287.9	319.7	348.2	374.6
115°	91.6	106.9	143.1	182.1	221.0	240.2	258.3	292.3	324.1	352.1	377.9
117.5°	99.3	114.1	149.7	187.0	225.4	244.0	261.6	295.6	326.8	354.8	380.0
120°	106.9	120.6	155.7	191.4	228.7	246.8	264.3	297.8	329.0	356.5	381.1
122.5°	114.6	127.2	160.7	195.8	231.4	249.5	266.5	299.4	330.1	357.0	381.1
125°	121.7	132.7	165.1	199.1	233.1	250.6	267.1	299.4	329.6	355.9	380.0
127.5°	128.3	138.7	168.4	202.4	234.2	251.2	267.1	298.3	328.5	354.3	377.9
130°	134.9	144.2	171.7	204.0	235.3	250.6	266.0	296.1	325.8	351.5	374.0
132.5°	141.5	150.3	174.4	205.7	235.8	250.6	264.9	293.9	322.5	347.7	369.1
135°	147.5	154.6	177.1	206.7	235.3	249.5	262.7	290.1	317.5	342.2	363.0
137.5°	153.0	159.0	179.3	207.3	234.7	247.9	261.0	285.7	311.5	335.6	355.9
140°	157.9	163.4	180.4	207.3	232.5	245.7	257.7	281.3	304.9	327.9	347.7
142.5°	162.3	167.3	182.1	206.2	230.3	242.9	254.5	276.9	298.3	320.3	339.5
145°	166.7	170.6	183.2	205.7	227.6	239.1	250.1	271.5	292.3	312.0	330.1
147.5°	170.0	173.8	184.3	203.5	224.3	234.7	245.1	265.4	284.6	303.3	319.7
150°	173.3	176.6	184.8	201.3	220.5	229.8	239.1	258.3	276.9	293.9	309.3
152.5°	176.6	178.8	186.5	199.1	216.1	224.8	234.2	251.2	268.2	284.1	298.9
155°	178.8	180.4	187.0	196.9	211.7	219.4	227.0	242.9	258.3	273.1	286.8
157.5°	181.0	182.6	187.6	195.2	206.7	213.9	220.5	234.2	248.4	261.6	274.2
160°	182.6	183.7	187.6	194.1	202.4	207.3	213.3	225.9	238.0	249.5	260.5
162.5°	184.3	184.8	187.6	192.5	198.5	201.8	206.2	216.1	227.0	236.9	246.8
165°	185.4	185.9	187.6	191.4	195.2	198.0	200.2	207.3	215.5	224.3	232.5
167.5°	186.5	186.5	187.6	190.3	192.5	194.1	195.8	199.6	205.1	211.7	217.7
170°	187.0	187.0	187.6	189.2	190.8	191.4	192.5	194.7	197.4	200.7	204.6
172.5°	187.0	187.0	187.0	188.1	188.7	188.7	188.7	189.7	191.4	193.6	195.2
175°	187.0	186.5	186.5	187.0	186.5	186.5	186.5	186.5	187.0	188.1	188.7
177.5°	187.0	186.5	185.9	185.9	185.4	185.4	184.8	184.8	184.8	184.8	184.8
180°	183.7	183.7	183.7	183.7	183.7	183.7	183.7	183.7	183.7	183.7	183.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
2.5°	121.7	121.7	121.2	120.6	120.6	120.6	120.1	119.6	119.0	119.0
5°	121.7	121.7	121.2	121.2	121.2	121.2	120.6	120.6	120.1	120.1
7.5°	122.3	121.7	121.7	121.7	121.7	121.7	121.7	121.7	121.2	121.2
10°	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3
12.5°	122.8	122.8	122.8	122.8	123.4	123.4	123.4	123.4	123.4	123.4
15°	122.8	123.4	123.9	123.9	123.9	124.5	124.5	124.5	124.5	124.5
17.5°	123.4	123.9	124.5	124.5	125.0	125.0	125.6	125.6	125.6	125.6
20°	123.4	123.9	124.5	125.0	125.6	125.6	126.1	126.7	126.7	126.1
22.5°	122.8	123.9	124.5	125.0	125.6	126.1	126.7	127.2	127.2	127.2
25°	122.3	123.4	124.5	125.6	125.6	126.1	127.2	127.2	127.2	127.2
27.5°	121.7	122.8	123.9	125.0	125.6	126.1	126.7	127.2	127.2	127.2
30°	120.6	122.3	123.4	124.5	125.0	125.6	126.1	126.7	126.7	126.7
32.5°	119.0	120.6	121.7	123.4	123.9	124.5	125.0	125.6	125.6	125.6
35°	117.4	119.0	120.1	121.7	122.3	122.8	123.9	123.9	124.5	124.5
37.5°	114.6	116.8	117.9	119.6	120.1	120.6	121.7	122.3	122.3	122.3
40°	111.9	114.1	115.2	116.8	117.4	117.9	119.0	119.6	120.1	120.1
42.5°	108.6	110.8	111.9	113.5	114.1	114.6	115.7	116.3	116.8	116.8
45°	105.3	106.9	108.0	109.7	110.8	110.8	111.9	112.4	113.0	113.0
47.5°	100.9	102.6	103.6	105.3	106.4	106.9	107.5	108.0	108.6	108.6
50°	96.0	97.6	99.3	100.4	101.5	101.5	102.6	103.1	103.6	103.6
52.5°	91.0	92.1	93.8	95.4	96.0	96.5	97.1	97.6	98.2	98.2
55°	85.6	86.6	88.3	89.4	89.9	90.5	91.0	91.6	92.1	92.1
57.5°	79.5	80.6	82.3	83.4	83.9	84.5	85.0	85.6	86.1	86.1
60°	72.9	74.0	75.7	76.8	77.3	77.3	78.4	79.0	79.0	79.0
62.5°	66.4	67.5	68.6	69.6	70.2	70.7	71.3	71.8	71.8	71.8
65°	59.8	60.9	62.0	62.5	63.1	63.1	63.6	64.2	64.7	64.7
67.5°	52.6	53.7	54.8	55.4	55.9	55.9	56.5	57.0	57.0	57.0
70°	45.5	46.1	47.2	47.7	48.3	48.3	49.4	49.4	49.4	49.4
72.5°	38.4	38.9	40.0	40.6	41.1	41.1	41.7	42.2	42.2	42.2
75°	31.8	32.4	32.9	34.0	34.0	34.0	34.5	35.1	35.1	35.1
77.5°	25.2	25.8	26.3	26.9	27.4	27.4	28.0	28.5	28.5	28.5
80°	19.2	19.7	20.3	20.8	20.8	21.4	21.4	21.9	21.9	21.9
82.5°	13.7	14.3	14.8	15.4	15.9	15.9	16.5	17.0	17.0	16.5
85°	9.3	10.4	11.0	11.5	11.5	11.5	12.1	12.6	12.6	12.1
87.5°	6.6	6.6	7.1	7.7	7.7	8.2	8.2	8.8	8.8	8.8
90°	3.8	3.8	4.4	4.4	4.9	4.9	4.9	5.5	5.5	5.5
92.5°	9.3	9.3	9.9	9.9	9.9	9.9	10.4	10.4	10.4	10.4
95°	99.8	45.0	37.8	23.0	21.9	19.2	18.6	19.2	19.2	18.6
97.5°	335.1	358.7	373.5	380.6	371.8	362.5	352.1	350.4	336.2	304.4
100°	361.4	380.0	398.1	410.8	415.7	420.1	429.9	436.0	438.7	441.5
102.5°	374.6	394.3	410.2	426.1	432.7	438.7	447.5	454.6	457.4	459.6
105°	386.1	406.4	423.9	438.2	444.2	449.7	458.5	465.0	470.0	470.5
107.5°	388.8	410.2	429.9	447.5	454.6	460.7	471.1	476.0	480.4	480.4
110°	393.8	414.0	432.1	448.0	455.2	462.3	473.3	481.0	485.3	486.4



TEST NUMBER: P395647

CATALOG NUMBER: I3-UL-20L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	397.6	418.4	435.4	451.3	457.4	463.9	474.4	481.5	485.3	487.0
115°	400.9	421.2	438.2	453.0	459.6	466.1	476.6	482.6	487.0	488.6
117.5°	403.1	422.8	439.8	453.5	460.7	466.1	476.0	482.6	487.0	487.5
120°	403.6	423.4	439.8	453.5	459.6	465.6	475.5	482.0	486.4	486.4
122.5°	403.6	422.8	439.3	452.4	457.9	463.4	472.7	480.4	484.2	484.2
125°	401.4	420.6	436.5	449.7	455.2	460.1	470.0	477.1	481.0	481.5
127.5°	398.1	416.8	432.7	445.9	451.3	455.7	466.1	472.7	476.6	477.1
130°	393.8	412.4	427.8	440.4	445.9	450.8	459.6	466.7	471.1	472.2
132.5°	388.8	406.4	421.7	433.8	439.3	443.7	452.4	459.6	463.4	465.0
135°	382.8	399.2	414.0	426.1	431.6	436.0	444.2	451.3	455.2	456.8
137.5°	375.1	391.0	405.3	417.3	422.3	426.7	434.9	441.5	444.8	446.9
140°	366.3	381.1	395.9	406.9	411.9	416.2	423.4	430.5	433.8	435.4
142.5°	357.0	371.8	385.0	395.9	400.3	404.7	411.9	418.4	421.7	422.3
145°	347.1	361.4	373.5	383.9	387.7	392.1	398.7	405.3	408.6	409.1
147.5°	336.2	349.3	360.8	370.7	375.1	378.4	384.4	390.5	393.8	394.3
150°	323.6	335.6	346.0	355.9	359.8	363.0	369.6	375.1	378.4	378.9
152.5°	311.5	323.0	331.8	340.6	344.4	347.7	353.2	358.7	361.9	362.5
155°	298.9	309.3	318.1	325.2	328.5	331.8	336.2	341.1	343.8	344.4
157.5°	285.7	295.6	303.3	309.8	313.1	315.9	319.7	324.1	325.8	326.8
160°	271.5	279.7	286.3	292.8	295.6	298.3	302.2	305.5	307.7	308.2
162.5°	256.1	263.2	268.7	274.8	276.4	278.6	282.4	285.7	287.4	287.9
165°	240.2	246.8	251.7	256.7	257.7	259.4	262.1	265.4	266.5	267.6
167.5°	224.3	229.8	233.1	237.5	239.1	240.2	242.9	245.1	246.2	246.8
170°	208.9	212.8	215.5	218.8	219.4	221.0	222.7	224.8	225.4	225.4
172.5°	196.9	198.5	200.2	201.3	201.8	202.4	203.5	204.0	204.0	204.0
175°	189.2	190.3	190.3	190.8	190.8	190.8	190.8	190.8	190.8	190.8
177.5°	184.8	184.8	184.8	184.3	184.3	184.3	184.3	183.7	183.7	183.7
180°	183.7	183.7	183.7	183.7	183.7	183.7	183.7	183.7	183.7	183.7

(END OF REPORT)