

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: P395665

Luminaire Tested: **I3-UL-20L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395665
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-20L92765-1D-UNV-W2A-W-4 (5700K)
Description: CORELITE I3, OPEN TOP
2000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2222.9 lumens
Efficiency: N/A
Efficacy: 133.1 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

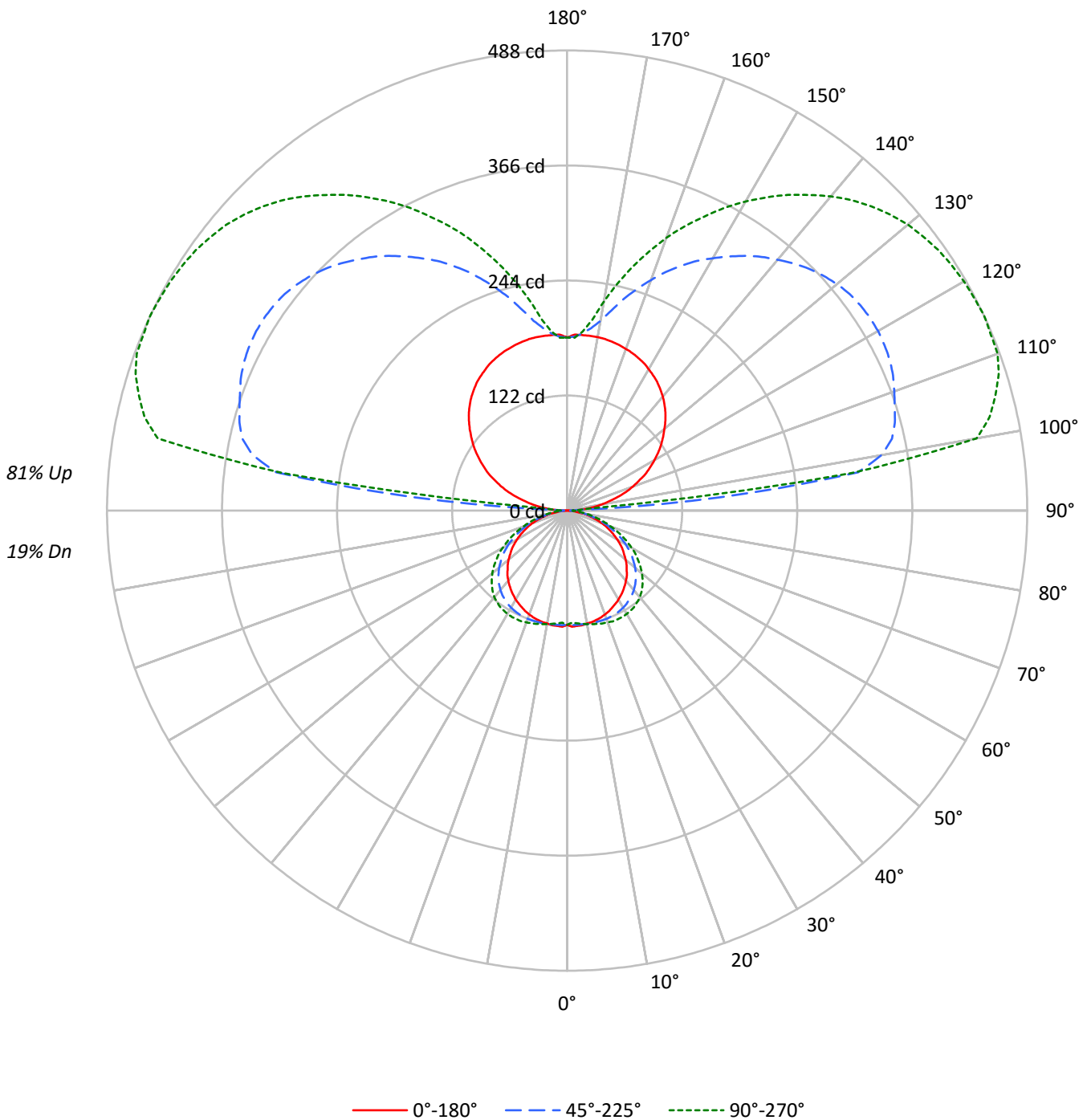
Input Watts (W): 16.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P395665

CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (5700K)

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°	674	656	643
10°	674	651	644
15°	675	649	650
20°	675	652	657
25°	674	653	667
30°	675	654	673
35°	674	651	677
40°	672	646	673
45°	666	633	658
50°	660	612	633
55°	649	582	597
60°	629	540	550
65°	601	481	490
70°	567	417	414
75°	491	327	332
80°	390	235	240
85°	233	137	159



TEST NUMBER: P395665

CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (5700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.6	0.5
10°-20°	34.5	1.6
20°-30°	55.6	2.5
30°-40°	71.5	3.2
40°-50°	78.5	3.5
50°-60°	73.8	3.3
60°-70°	57.4	2.6
70°-80°	32.9	1.5
80°-90°	10.5	0.5
90°-100°	142.1	6.4
100°-110°	337.7	15.2
110°-120°	339.2	15.3
120°-130°	311.1	14.0
130°-140°	260.1	11.7
140°-150°	195.2	8.8
150°-160°	127.1	5.7
160°-170°	65.5	2.9
170°-180°	18.5	0.8
0°-30°	101.7	4.6
0°-40°	173.2	7.8
0°-60°	325.6	14.6
0°-90°	426.4	19.2
90°-120°	819.0	36.8
90°-150°	1585.4	71.3
90°-180°	1796.0	80.8
0°-180°	2222.9	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	119	122	124	124	34
25°	113	114	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	459	488	90
125°	122	250	380	455	481	109
135°	147	249	363	431	456	114
145°	166	239	330	387	409	104
155°	179	219	286	328	344	82
165°	185	198	232	258	267	52
175°	187	186	188	191	191	18
180°	184	184	184	184	184	



TEST NUMBER: P395665

CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1
2.5°	123.3	122.7	122.2	122.2	121.6	121.6	121.6	121.1	121.1	121.1	121.6
5°	122.7	122.7	122.2	121.6	121.6	121.6	121.1	121.1	121.1	121.1	121.6
7.5°	122.7	122.2	121.6	121.6	121.1	121.1	121.1	121.1	121.1	121.1	121.6
10°	121.6	121.6	121.1	121.1	120.5	121.1	121.1	121.1	121.1	121.1	122.2
12.5°	121.1	121.1	120.5	120.0	120.0	120.0	120.5	120.5	120.5	121.1	122.2
15°	120.0	120.0	119.4	119.4	119.4	119.4	120.0	120.0	120.5	121.1	122.2
17.5°	118.9	118.9	118.3	118.3	118.3	118.9	118.9	119.4	120.0	121.1	122.2
20°	117.2	117.2	117.2	117.2	117.2	117.8	117.8	118.3	119.4	120.5	122.2
22.5°	115.6	115.6	115.6	115.6	115.6	116.1	116.7	117.8	118.3	120.0	121.6
25°	113.4	113.4	113.4	113.4	113.9	114.5	115.0	116.1	117.2	118.9	121.1
27.5°	111.2	111.8	111.8	111.8	112.3	112.9	113.4	114.5	116.1	118.3	120.0
30°	109.0	109.0	109.0	109.6	110.1	110.7	111.8	112.9	114.5	116.7	118.9
32.5°	106.3	106.3	106.8	106.8	107.9	108.5	109.6	111.2	112.9	115.0	117.2
35°	103.5	103.5	103.5	104.6	105.2	106.3	106.8	108.5	110.7	112.9	115.0
37.5°	100.3	100.8	100.8	101.3	102.4	103.5	104.1	106.3	108.5	110.7	112.9
40°	97.0	97.5	97.5	98.1	99.7	100.3	101.3	103.5	105.2	107.9	110.1
42.5°	93.7	93.7	94.2	94.8	96.4	97.0	98.1	100.3	102.4	104.6	106.8
45°	89.3	89.8	90.4	90.9	92.6	93.7	94.8	96.4	98.6	100.8	103.0
47.5°	85.5	85.5	86.0	87.1	88.7	89.8	90.4	92.6	94.2	96.4	98.6
50°	81.1	81.6	81.6	82.7	84.4	85.5	86.0	88.2	89.8	92.0	94.2
52.5°	76.1	76.7	77.2	78.3	80.0	81.1	81.6	83.3	84.9	87.1	88.7
55°	71.8	72.3	72.3	73.4	75.1	75.6	76.7	77.8	80.0	81.6	83.8
57.5°	66.8	67.4	67.4	68.5	69.6	70.7	71.2	72.9	74.5	76.1	77.8
60°	61.4	61.9	62.5	63.0	64.1	65.2	65.7	66.8	68.5	70.1	71.8
62.5°	55.9	56.4	57.0	57.5	58.6	59.2	59.7	61.4	62.5	64.1	65.2
65°	50.4	50.9	51.5	52.0	52.6	53.1	53.7	54.8	55.9	57.5	58.1
67.5°	44.9	45.5	45.5	46.0	46.6	47.1	47.7	48.8	49.3	50.9	51.5
70°	39.4	39.4	39.4	40.0	40.0	40.5	41.1	42.2	42.7	43.8	44.9
72.5°	32.9	33.4	33.4	33.4	34.0	34.5	35.1	35.6	36.2	36.7	37.8
75°	26.8	27.4	26.8	27.4	27.9	27.9	28.5	29.0	29.6	30.1	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°	15.3	15.3	15.3	15.3	15.9	15.9	16.4	16.4	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	13.1
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	67.9	58.6	54.8	32.9	9.9	8.8	9.3	9.3
95°	19.2	36.2	66.3	107.4	139.1	158.9	172.0	197.2	223.0	218.6	163.3
97.5°	27.9	46.6	80.0	117.8	161.6	184.1	201.1	231.2	264.1	291.4	311.2
100°	36.7	55.9	91.5	130.9	171.5	191.7	211.5	252.5	284.9	312.3	338.6
102.5°	46.0	65.2	101.9	143.0	183.0	202.7	221.9	258.0	294.2	327.1	352.8
105°	55.3	75.1	111.2	153.4	193.4	213.1	231.7	266.2	299.7	330.3	359.9
107.5°	65.2	83.8	119.4	161.6	201.6	221.3	239.9	274.5	306.8	337.5	364.3
110°	74.0	92.0	127.6	169.3	209.3	229.0	247.6	282.1	313.9	342.9	369.2



TEST NUMBER: P395665

CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	82.2	99.7	135.3	175.9	215.3	235.0	253.1	287.6	319.4	347.9	374.2
115°	91.5	106.8	143.0	181.9	220.8	239.9	258.0	292.0	323.8	351.7	377.5
117.5°	99.2	113.9	149.6	186.8	225.2	243.8	261.3	295.3	326.5	354.4	379.6
120°	106.8	120.5	155.6	191.2	228.4	246.5	264.1	297.5	328.7	356.1	380.7
122.5°	114.5	127.1	160.5	195.6	231.2	249.3	266.2	299.1	329.8	356.6	380.7
125°	121.6	132.6	164.9	198.9	232.8	250.4	266.8	299.1	329.2	355.5	379.6
127.5°	128.2	138.6	168.2	202.1	233.9	250.9	266.8	298.0	328.1	353.9	377.5
130°	134.8	144.1	171.5	203.8	235.0	250.4	265.7	295.8	325.4	351.2	373.6
132.5°	141.3	150.1	174.2	205.4	235.6	250.4	264.6	293.6	322.1	347.3	368.7
135°	147.4	154.5	176.9	206.5	235.0	249.3	262.4	289.8	317.2	341.8	362.7
137.5°	152.8	158.9	179.1	207.1	234.5	247.6	260.8	285.4	311.2	335.3	355.5
140°	157.8	163.3	180.2	207.1	232.3	245.4	257.5	281.0	304.6	327.6	347.3
142.5°	162.2	167.1	181.9	206.0	230.1	242.7	254.2	276.7	298.0	319.9	339.1
145°	166.5	170.4	183.0	205.4	227.3	238.9	249.8	271.2	292.0	311.7	329.8
147.5°	169.8	173.7	184.1	203.2	224.1	234.5	244.9	265.1	284.3	302.9	319.4
150°	173.1	176.4	184.6	201.1	220.2	229.5	238.9	258.0	276.7	293.6	309.0
152.5°	176.4	178.6	186.3	198.9	215.8	224.6	233.9	250.9	267.9	283.8	298.6
155°	178.6	180.2	186.8	196.7	211.5	219.1	226.8	242.7	258.0	272.8	286.5
157.5°	180.8	182.4	187.4	195.0	206.5	213.7	220.2	233.9	248.2	261.3	273.9
160°	182.4	183.5	187.4	193.9	202.1	207.1	213.1	225.7	237.8	249.3	260.2
162.5°	184.1	184.6	187.4	192.3	198.3	201.6	206.0	215.8	226.8	236.7	246.5
165°	185.2	185.7	187.4	191.2	195.0	197.8	200.0	207.1	215.3	224.1	232.3
167.5°	186.3	186.3	187.4	190.1	192.3	193.9	195.6	199.4	204.9	211.5	217.5
170°	186.8	186.8	187.4	189.0	190.6	191.2	192.3	194.5	197.2	200.5	204.3
172.5°	186.8	186.8	186.8	187.9	188.5	188.5	188.5	189.5	191.2	193.4	195.0
175°	186.8	186.3	186.3	186.8	186.3	186.3	186.3	186.3	186.8	187.9	188.5
177.5°	186.8	186.3	185.7	185.7	185.2	185.2	184.6	184.6	184.6	184.6	184.6
180°	183.5	183.5	183.5	183.5	183.5	183.5	183.5	183.5	183.5	183.5	183.5



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CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1
2.5°	121.6	121.6	121.1	120.5	120.5	120.5	120.0	119.4	118.9	118.9
5°	121.6	121.6	121.1	121.1	121.1	121.1	120.5	120.5	120.0	120.0
7.5°	122.2	121.6	121.6	121.6	121.6	121.6	121.6	121.6	121.1	121.1
10°	122.2	122.2	122.2	122.2	122.2	122.2	122.2	122.2	122.2	122.2
12.5°	122.7	122.7	122.7	122.7	123.3	123.3	123.3	123.3	123.3	123.3
15°	122.7	123.3	123.8	123.8	123.8	124.4	124.4	124.4	124.4	124.4
17.5°	123.3	123.8	124.4	124.4	124.9	124.9	125.5	125.5	125.5	125.5
20°	123.3	123.8	124.4	124.9	125.5	125.5	126.0	126.5	126.5	126.0
22.5°	122.7	123.8	124.4	124.9	125.5	126.0	126.5	127.1	127.1	127.1
25°	122.2	123.3	124.4	125.5	125.5	126.0	127.1	127.1	127.1	127.1
27.5°	121.6	122.7	123.8	124.9	125.5	126.0	126.5	127.1	127.1	127.1
30°	120.5	122.2	123.3	124.4	124.9	125.5	126.0	126.5	126.5	126.5
32.5°	118.9	120.5	121.6	123.3	123.8	124.4	124.9	125.5	125.5	125.5
35°	117.2	118.9	120.0	121.6	122.2	122.7	123.8	123.8	124.4	124.4
37.5°	114.5	116.7	117.8	119.4	120.0	120.5	121.6	122.2	122.2	122.2
40°	111.8	113.9	115.0	116.7	117.2	117.8	118.9	119.4	120.0	120.0
42.5°	108.5	110.7	111.8	113.4	113.9	114.5	115.6	116.1	116.7	116.7
45°	105.2	106.8	107.9	109.6	110.7	110.7	111.8	112.3	112.9	112.9
47.5°	100.8	102.4	103.5	105.2	106.3	106.8	107.4	107.9	108.5	108.5
50°	95.9	97.5	99.2	100.3	101.3	101.3	102.4	103.0	103.5	103.5
52.5°	90.9	92.0	93.7	95.3	95.9	96.4	97.0	97.5	98.1	98.1
55°	85.5	86.6	88.2	89.3	89.8	90.4	90.9	91.5	92.0	92.0
57.5°	79.4	80.5	82.2	83.3	83.8	84.4	84.9	85.5	86.0	86.0
60°	72.9	74.0	75.6	76.7	77.2	77.2	78.3	78.9	78.9	78.9
62.5°	66.3	67.4	68.5	69.6	70.1	70.7	71.2	71.8	71.8	71.8
65°	59.7	60.8	61.9	62.5	63.0	63.0	63.5	64.1	64.6	64.6
67.5°	52.6	53.7	54.8	55.3	55.9	55.9	56.4	57.0	57.0	57.0
70°	45.5	46.0	47.1	47.7	48.2	48.2	49.3	49.3	49.3	49.3
72.5°	38.3	38.9	40.0	40.5	41.1	41.1	41.6	42.2	42.2	42.2
75°	31.8	32.3	32.9	34.0	34.0	34.0	34.5	35.1	35.1	35.1
77.5°	25.2	25.7	26.3	26.8	27.4	27.4	27.9	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	14.2	14.8	15.3	15.9	15.9	16.4	17.0	17.0	16.4
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°	99.7	44.9	37.8	23.0	21.9	19.2	18.6	19.2	19.2	18.6
97.5°	334.7	358.3	373.1	380.2	371.4	362.1	351.7	350.1	335.8	304.0
100°	361.0	379.6	397.7	410.3	415.3	419.6	429.5	435.5	438.3	441.0
102.5°	374.2	393.9	409.8	425.7	432.2	438.3	447.0	454.1	456.9	459.1
105°	385.7	405.9	423.5	437.7	443.7	449.2	458.0	464.6	469.5	470.0
107.5°	388.4	409.8	429.5	447.0	454.1	460.2	470.6	475.5	479.9	479.9
110°	393.3	413.6	431.7	447.6	454.7	461.8	472.8	480.4	484.8	485.9



TEST NUMBER: P395665

CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	397.2	418.0	435.0	450.9	456.9	463.5	473.9	481.0	484.8	486.5
115°	400.5	420.7	437.7	452.5	459.1	465.6	476.1	482.1	486.5	488.1
117.5°	402.7	422.4	439.4	453.0	460.2	465.6	475.5	482.1	486.5	487.0
120°	403.2	422.9	439.4	453.0	459.1	465.1	475.0	481.5	485.9	485.9
122.5°	403.2	422.4	438.8	452.0	457.4	462.9	472.2	479.9	483.7	483.7
125°	401.0	420.2	436.1	449.2	454.7	459.6	469.5	476.6	480.4	481.0
127.5°	397.7	416.3	432.2	445.4	450.9	455.2	465.6	472.2	476.1	476.6
130°	393.3	412.0	427.3	439.9	445.4	450.3	459.1	466.2	470.6	471.7
132.5°	388.4	405.9	421.3	433.3	438.8	443.2	452.0	459.1	462.9	464.6
135°	382.4	398.8	413.6	425.7	431.1	435.5	443.7	450.9	454.7	456.3
137.5°	374.7	390.6	404.8	416.9	421.8	426.2	434.4	441.0	444.3	446.5
140°	365.9	380.7	395.5	406.5	411.4	415.8	422.9	430.0	433.3	435.0
142.5°	356.6	371.4	384.6	395.5	399.9	404.3	411.4	418.0	421.3	421.8
145°	346.8	361.0	373.1	383.5	387.3	391.7	398.3	404.8	408.1	408.7
147.5°	335.8	349.0	360.5	370.3	374.7	378.0	384.0	390.1	393.3	393.9
150°	323.2	335.3	345.7	355.5	359.4	362.7	369.2	374.7	378.0	378.5
152.5°	311.2	322.7	331.4	340.2	344.0	347.3	352.8	358.3	361.6	362.1
155°	298.6	309.0	317.7	324.9	328.1	331.4	335.8	340.7	343.5	344.0
157.5°	285.4	295.3	302.9	309.5	312.8	315.5	319.4	323.8	325.4	326.5
160°	271.2	279.4	286.0	292.5	295.3	298.0	301.9	305.1	307.3	307.9
162.5°	255.8	263.0	268.4	274.5	276.1	278.3	282.1	285.4	287.1	287.6
165°	239.9	246.5	251.5	256.4	257.5	259.1	261.9	265.1	266.2	267.3
167.5°	224.1	229.5	232.8	237.2	238.9	239.9	242.7	244.9	246.0	246.5
170°	208.7	212.6	215.3	218.6	219.1	220.8	222.4	224.6	225.2	225.2
172.5°	196.7	198.3	200.0	201.1	201.6	202.1	203.2	203.8	203.8	203.8
175°	189.0	190.1	190.1	190.6	190.6	190.6	190.6	190.6	190.6	190.6
177.5°	184.6	184.6	184.6	184.1	184.1	184.1	184.1	183.5	183.5	183.5
180°	183.5	183.5	183.5	183.5	183.5	183.5	183.5	183.5	183.5	183.5

(END OF REPORT)