

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: P395660

Luminaire Tested: **I3-UL-20L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395660
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 (3000K)
Description: CORELITE I3, OPEN TOP
2000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1921.1 lumens
Efficiency: N/A
Efficacy: 119.3 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

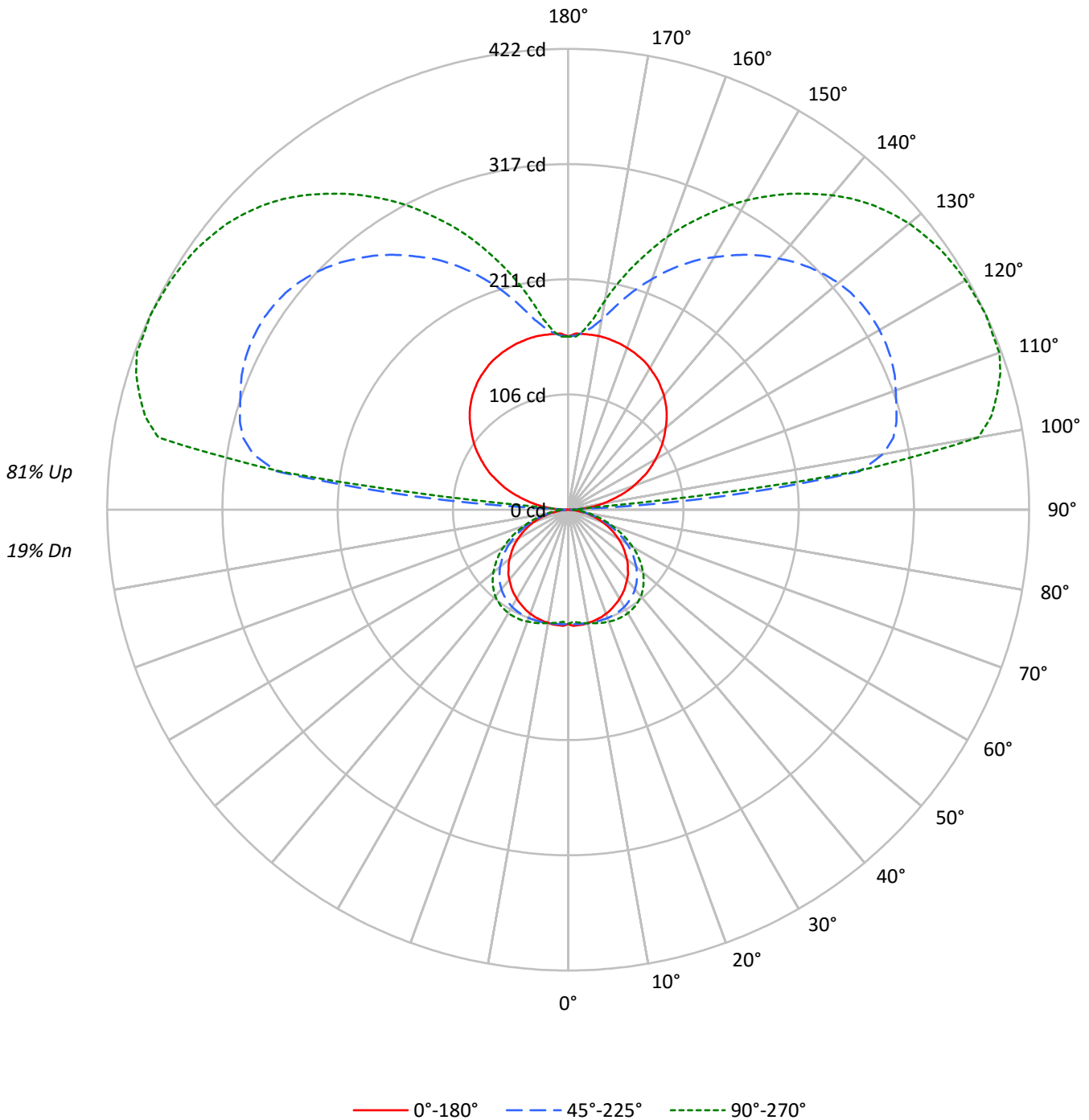
Input Watts (W): 16.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P395660

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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°	575	575	575
5°	583	567	556
10°	582	563	557
15°	583	561	562
20°	583	563	568
25°	583	564	576
30°	584	565	582
35°	583	562	585
40°	581	559	581
45°	576	547	568
50°	570	529	548
55°	560	503	516
60°	543	467	475
65°	520	416	424
70°	491	360	357
75°	425	283	287
80°	339	203	207
85°	199	119	136



TEST NUMBER: P395660

CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (3000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.0	0.5
10°-20°	29.8	1.6
20°-30°	48.0	2.5
30°-40°	61.8	3.2
40°-50°	67.9	3.5
50°-60°	63.8	3.3
60°-70°	49.6	2.6
70°-80°	28.4	1.5
80°-90°	9.1	0.5
90°-100°	122.8	6.4
100°-110°	291.8	15.2
110°-120°	293.2	15.3
120°-130°	268.9	14.0
130°-140°	224.8	11.7
140°-150°	168.7	8.8
150°-160°	109.8	5.7
160°-170°	56.6	2.9
170°-180°	16.0	0.8
0°-30°	87.9	4.6
0°-40°	149.7	7.8
0°-60°	281.4	14.6
0°-90°	368.5	19.2
90°-120°	707.8	36.8
90°-150°	1370.2	71.3
90°-180°	1553.0	80.8
0°-180°	1921.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	105	105	105	105	105	
5°	106	105	105	105	104	10
15°	104	103	106	107	108	29
25°	98	99	105	108	110	45
35°	90	92	99	106	108	56
45°	77	81	89	96	98	60
55°	62	65	72	78	80	55
65°	44	46	50	54	56	43
75°	23	24	26	29	30	25
85°	5	6	8	10	10	6
90°	0	1	3	4	5	1
95°	17	137	141	19	16	16
105°	48	184	311	384	406	51
115°	79	207	326	397	422	78
125°	105	216	328	393	416	94
135°	127	215	313	373	394	98
145°	144	206	285	335	353	90
155°	154	189	248	284	297	71
165°	160	171	201	222	231	45
175°	162	161	163	165	165	15
180°	159	159	159	159	159	



TEST NUMBER: P395660

CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6
2.5°	106.5	106.1	105.6	105.6	105.1	105.1	105.1	104.6	104.6	104.6	105.1
5°	106.1	106.1	105.6	105.1	105.1	105.1	104.6	104.6	104.6	104.6	105.1
7.5°	106.1	105.6	105.1	105.1	104.6	104.6	104.6	104.6	104.6	104.6	105.1
10°	105.1	105.1	104.6	104.6	104.2	104.6	104.6	104.6	104.6	104.6	105.6
12.5°	104.6	104.6	104.2	103.7	103.7	103.7	104.2	104.2	104.2	104.6	105.6
15°	103.7	103.7	103.2	103.2	103.2	103.2	103.7	103.7	104.2	104.6	105.6
17.5°	102.7	102.7	102.3	102.3	102.3	102.7	102.7	103.2	103.7	104.6	105.6
20°	101.3	101.3	101.3	101.3	101.3	101.8	101.8	102.3	103.2	104.2	105.6
22.5°	99.9	99.9	99.9	99.9	99.9	100.4	100.8	101.8	102.3	103.7	105.1
25°	98.0	98.0	98.0	98.0	98.5	99.0	99.4	100.4	101.3	102.7	104.6
27.5°	96.1	96.6	96.6	96.6	97.1	97.5	98.0	99.0	100.4	102.3	103.7
30°	94.2	94.2	94.2	94.7	95.2	95.6	96.6	97.5	99.0	100.8	102.7
32.5°	91.9	91.9	92.3	92.3	93.3	93.7	94.7	96.1	97.5	99.4	101.3
35°	89.5	89.5	89.5	90.4	90.9	91.9	92.3	93.7	95.6	97.5	99.4
37.5°	86.6	87.1	87.1	87.6	88.5	89.5	90.0	91.9	93.7	95.6	97.5
40°	83.8	84.3	84.3	84.7	86.2	86.6	87.6	89.5	90.9	93.3	95.2
42.5°	81.0	81.0	81.4	81.9	83.3	83.8	84.7	86.6	88.5	90.4	92.3
45°	77.2	77.6	78.1	78.6	80.0	81.0	81.9	83.3	85.2	87.1	89.0
47.5°	73.9	73.9	74.3	75.3	76.7	77.6	78.1	80.0	81.4	83.3	85.2
50°	70.1	70.5	70.5	71.5	72.9	73.9	74.3	76.2	77.6	79.5	81.4
52.5°	65.8	66.3	66.8	67.7	69.1	70.1	70.5	72.0	73.4	75.3	76.7
55°	62.0	62.5	62.5	63.4	64.9	65.3	66.3	67.2	69.1	70.5	72.4
57.5°	57.8	58.2	58.2	59.2	60.1	61.1	61.6	63.0	64.4	65.8	67.2
60°	53.0	53.5	54.0	54.4	55.4	56.3	56.8	57.8	59.2	60.6	62.0
62.5°	48.3	48.8	49.2	49.7	50.7	51.1	51.6	53.0	54.0	55.4	56.3
65°	43.6	44.0	44.5	45.0	45.5	45.9	46.4	47.3	48.3	49.7	50.2
67.5°	38.8	39.3	39.3	39.8	40.2	40.7	41.2	42.1	42.6	44.0	44.5
70°	34.1	34.1	34.1	34.6	34.6	35.0	35.5	36.5	36.9	37.9	38.8
72.5°	28.4	28.9	28.9	28.9	29.4	29.8	30.3	30.8	31.2	31.7	32.7
75°	23.2	23.7	23.2	23.7	24.1	24.1	24.6	25.1	25.6	26.0	26.5
77.5°	18.5	18.0	18.5	18.5	18.9	18.9	18.9	19.4	20.4	20.4	21.3
80°	13.3	13.3	13.3	13.3	13.7	13.7	14.2	14.2	15.2	15.6	16.1
82.5°	8.5	8.5	9.0	9.0	9.0	9.5	9.5	9.9	10.4	10.9	11.4
85°	4.7	4.7	4.7	5.2	5.2	5.7	5.7	6.2	6.6	7.1	7.6
87.5°	1.4	1.9	2.4	2.4	2.8	2.8	3.3	3.3	4.3	4.7	5.2
90°	0.5	0.5	0.9	0.9	0.9	1.4	1.4	1.9	1.9	2.4	2.8
92.5°	8.0	18.9	39.3	58.7	50.7	47.3	28.4	8.5	7.6	8.0	8.0
95°	16.6	31.2	57.3	92.8	120.3	137.3	148.7	170.4	192.7	188.9	141.1
97.5°	24.1	40.2	69.1	101.8	139.7	159.1	173.8	199.8	228.2	251.9	268.9
100°	31.7	48.3	79.1	113.2	148.2	165.7	182.8	218.3	246.2	269.9	292.6
102.5°	39.8	56.3	88.1	123.6	158.1	175.2	191.8	223.0	254.2	282.7	304.9
105°	47.8	64.9	96.1	132.6	167.1	184.2	200.3	230.1	259.0	285.5	311.1
107.5°	56.3	72.4	103.2	139.7	174.2	191.3	207.4	237.2	265.1	291.7	314.9
110°	63.9	79.5	110.3	146.3	180.9	197.9	214.0	243.8	271.3	296.4	319.1



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CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	71.0	86.2	116.9	152.0	186.1	203.1	218.7	248.6	276.0	300.6	323.4
115°	79.1	92.3	123.6	157.2	190.8	207.4	223.0	252.4	279.8	304.0	326.2
117.5°	85.7	98.5	129.3	161.5	194.6	210.7	225.8	255.2	282.2	306.3	328.1
120°	92.3	104.2	134.5	165.2	197.4	213.1	228.2	257.1	284.1	307.8	329.1
122.5°	99.0	109.8	138.7	169.0	199.8	215.4	230.1	258.5	285.0	308.2	329.1
125°	105.1	114.6	142.5	171.9	201.2	216.4	230.6	258.5	284.6	307.3	328.1
127.5°	110.8	119.8	145.4	174.7	202.2	216.8	230.6	257.6	283.6	305.9	326.2
130°	116.5	124.5	148.2	176.1	203.1	216.4	229.6	255.7	281.2	303.5	322.9
132.5°	122.2	129.7	150.6	177.5	203.6	216.4	228.7	253.8	278.4	300.2	318.6
135°	127.4	133.5	152.9	178.5	203.1	215.4	226.8	250.5	274.1	295.4	313.4
137.5°	132.1	137.3	154.8	179.0	202.6	214.0	225.4	246.7	268.9	289.8	307.3
140°	136.4	141.1	155.8	179.0	200.7	212.1	222.5	242.9	263.2	283.1	300.2
142.5°	140.1	144.4	157.2	178.0	198.9	209.7	219.7	239.1	257.6	276.5	293.1
145°	143.9	147.2	158.1	177.5	196.5	206.4	215.9	234.4	252.4	269.4	285.0
147.5°	146.8	150.1	159.1	175.7	193.6	202.6	211.6	229.2	245.7	261.8	276.0
150°	149.6	152.5	159.6	173.8	190.3	198.4	206.4	223.0	239.1	253.8	267.0
152.5°	152.5	154.3	161.0	171.9	186.5	194.1	202.2	216.8	231.5	245.3	258.0
155°	154.3	155.8	161.5	170.0	182.8	189.4	196.0	209.7	223.0	235.8	247.6
157.5°	156.2	157.7	161.9	168.6	178.5	184.7	190.3	202.2	214.5	225.8	236.7
160°	157.7	158.6	161.9	167.6	174.7	179.0	184.2	195.1	205.5	215.4	224.9
162.5°	159.1	159.6	161.9	166.2	171.4	174.2	178.0	186.5	196.0	204.5	213.1
165°	160.0	160.5	161.9	165.2	168.6	170.9	172.8	179.0	186.1	193.6	200.7
167.5°	161.0	161.0	161.9	164.3	166.2	167.6	169.0	172.3	177.1	182.8	188.0
170°	161.5	161.5	161.9	163.3	164.8	165.2	166.2	168.1	170.4	173.3	176.6
172.5°	161.5	161.5	161.5	162.4	162.9	162.9	162.9	163.8	165.2	167.1	168.6
175°	161.5	161.0	161.0	161.5	161.0	161.0	161.0	161.0	161.5	162.4	162.9
177.5°	161.5	161.0	160.5	160.5	160.0	160.0	159.6	159.6	159.6	159.6	159.6
180°	158.6	158.6	158.6	158.6	158.6	158.6	158.6	158.6	158.6	158.6	158.6



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CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6
2.5°	105.1	105.1	104.6	104.2	104.2	104.2	103.7	103.2	102.7	102.7
5°	105.1	105.1	104.6	104.6	104.6	104.6	104.2	104.2	103.7	103.7
7.5°	105.6	105.1	105.1	105.1	105.1	105.1	105.1	105.1	104.6	104.6
10°	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6
12.5°	106.1	106.1	106.1	106.1	106.5	106.5	106.5	106.5	106.5	106.5
15°	106.1	106.5	107.0	107.0	107.0	107.5	107.5	107.5	107.5	107.5
17.5°	106.5	107.0	107.5	107.5	107.9	107.9	108.4	108.4	108.4	108.4
20°	106.5	107.0	107.5	107.9	108.4	108.4	108.9	109.4	109.4	108.9
22.5°	106.1	107.0	107.5	107.9	108.4	108.9	109.4	109.8	109.8	109.8
25°	105.6	106.5	107.5	108.4	108.4	108.9	109.8	109.8	109.8	109.8
27.5°	105.1	106.1	107.0	107.9	108.4	108.9	109.4	109.8	109.8	109.8
30°	104.2	105.6	106.5	107.5	107.9	108.4	108.9	109.4	109.4	109.4
32.5°	102.7	104.2	105.1	106.5	107.0	107.5	107.9	108.4	108.4	108.4
35°	101.3	102.7	103.7	105.1	105.6	106.1	107.0	107.0	107.5	107.5
37.5°	99.0	100.8	101.8	103.2	103.7	104.2	105.1	105.6	105.6	105.6
40°	96.6	98.5	99.4	100.8	101.3	101.8	102.7	103.2	103.7	103.7
42.5°	93.7	95.6	96.6	98.0	98.5	99.0	99.9	100.4	100.8	100.8
45°	90.9	92.3	93.3	94.7	95.6	95.6	96.6	97.1	97.5	97.5
47.5°	87.1	88.5	89.5	90.9	91.9	92.3	92.8	93.3	93.7	93.7
50°	82.9	84.3	85.7	86.6	87.6	87.6	88.5	89.0	89.5	89.5
52.5°	78.6	79.5	81.0	82.4	82.9	83.3	83.8	84.3	84.7	84.7
55°	73.9	74.8	76.2	77.2	77.6	78.1	78.6	79.1	79.5	79.5
57.5°	68.7	69.6	71.0	72.0	72.4	72.9	73.4	73.9	74.3	74.3
60°	63.0	63.9	65.3	66.3	66.8	66.8	67.7	68.2	68.2	68.2
62.5°	57.3	58.2	59.2	60.1	60.6	61.1	61.6	62.0	62.0	62.0
65°	51.6	52.6	53.5	54.0	54.4	54.4	54.9	55.4	55.9	55.9
67.5°	45.5	46.4	47.3	47.8	48.3	48.3	48.8	49.2	49.2	49.2
70°	39.3	39.8	40.7	41.2	41.7	41.7	42.6	42.6	42.6	42.6
72.5°	33.1	33.6	34.6	35.0	35.5	35.5	36.0	36.5	36.5	36.5
75°	27.5	27.9	28.4	29.4	29.4	29.4	29.8	30.3	30.3	30.3
77.5°	21.8	22.3	22.7	23.2	23.7	23.7	24.1	24.6	24.6	24.6
80°	16.6	17.0	17.5	18.0	18.0	18.5	18.5	18.9	18.9	18.9
82.5°	11.8	12.3	12.8	13.3	13.7	13.7	14.2	14.7	14.7	14.2
85°	8.0	9.0	9.5	9.9	9.9	9.9	10.4	10.9	10.9	10.4
87.5°	5.7	5.7	6.2	6.6	6.6	7.1	7.1	7.6	7.6	7.6
90°	3.3	3.3	3.8	3.8	4.3	4.3	4.3	4.7	4.7	4.7
92.5°	8.0	8.0	8.5	8.5	8.5	8.5	9.0	9.0	9.0	9.0
95°	86.2	38.8	32.7	19.9	18.9	16.6	16.1	16.6	16.6	16.1
97.5°	289.3	309.6	322.4	328.6	321.0	313.0	304.0	302.5	290.2	262.8
100°	312.0	328.1	343.7	354.6	358.9	362.7	371.2	376.4	378.8	381.1
102.5°	323.4	340.4	354.2	367.9	373.6	378.8	386.3	392.5	394.9	396.8
105°	333.3	350.8	366.0	378.3	383.5	388.2	395.8	401.5	405.8	406.2
107.5°	335.7	354.2	371.2	386.3	392.5	397.7	406.7	411.0	414.8	414.8
110°	339.9	357.5	373.1	386.8	393.0	399.1	408.6	415.2	419.0	420.0



TEST NUMBER: P395660

CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	343.3	361.3	375.9	389.7	394.9	400.6	409.5	415.7	419.0	420.4
115°	346.1	363.6	378.3	391.1	396.8	402.4	411.4	416.6	420.4	421.9
117.5°	348.0	365.0	379.7	391.6	397.7	402.4	411.0	416.6	420.4	420.9
120°	348.5	365.5	379.7	391.6	396.8	402.0	410.5	416.2	420.0	420.0
122.5°	348.5	365.0	379.2	390.6	395.3	400.1	408.1	414.8	418.1	418.1
125°	346.6	363.1	376.9	388.2	393.0	397.2	405.8	411.9	415.2	415.7
127.5°	343.7	359.8	373.6	384.9	389.7	393.4	402.4	408.1	411.4	411.9
130°	339.9	356.0	369.3	380.2	384.9	389.2	396.8	402.9	406.7	407.7
132.5°	335.7	350.8	364.1	374.5	379.2	383.0	390.6	396.8	400.1	401.5
135°	330.5	344.7	357.5	367.9	372.6	376.4	383.5	389.7	393.0	394.4
137.5°	323.8	337.6	349.9	360.3	364.6	368.4	375.5	381.1	384.0	385.9
140°	316.3	329.1	341.8	351.3	355.6	359.4	365.5	371.7	374.5	375.9
142.5°	308.2	321.0	332.4	341.8	345.6	349.4	355.6	361.3	364.1	364.6
145°	299.7	312.0	322.4	331.4	334.7	338.5	344.2	349.9	352.7	353.2
147.5°	290.2	301.6	311.5	320.1	323.8	326.7	331.9	337.1	339.9	340.4
150°	279.3	289.8	298.8	307.3	310.6	313.4	319.1	323.8	326.7	327.2
152.5°	268.9	278.9	286.4	294.0	297.3	300.2	304.9	309.6	312.5	313.0
155°	258.0	267.0	274.6	280.8	283.6	286.4	290.2	294.5	296.9	297.3
157.5°	246.7	255.2	261.8	267.5	270.3	272.7	276.0	279.8	281.2	282.2
160°	234.4	241.5	247.1	252.8	255.2	257.6	260.9	263.7	265.6	266.1
162.5°	221.1	227.3	232.0	237.2	238.6	240.5	243.8	246.7	248.1	248.6
165°	207.4	213.1	217.3	221.6	222.5	223.9	226.3	229.2	230.1	231.1
167.5°	193.6	198.4	201.2	205.0	206.4	207.4	209.7	211.6	212.6	213.1
170°	180.4	183.7	186.1	188.9	189.4	190.8	192.2	194.1	194.6	194.6
172.5°	170.0	171.4	172.8	173.8	174.2	174.7	175.7	176.1	176.1	176.1
175°	163.3	164.3	164.3	164.8	164.8	164.8	164.8	164.8	164.8	164.8
177.5°	159.6	159.6	159.6	159.1	159.1	159.1	159.1	158.6	158.6	158.6
180°	158.6	158.6	158.6	158.6	158.6	158.6	158.6	158.6	158.6	158.6

(END OF REPORT)