

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: P395666

Luminaire Tested: **I3-UL-20L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395666
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 (6500K)
Description: CORELITE I3, OPEN TOP
2000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2237.0 lumens
Efficiency: N/A
Efficacy: 131.6 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

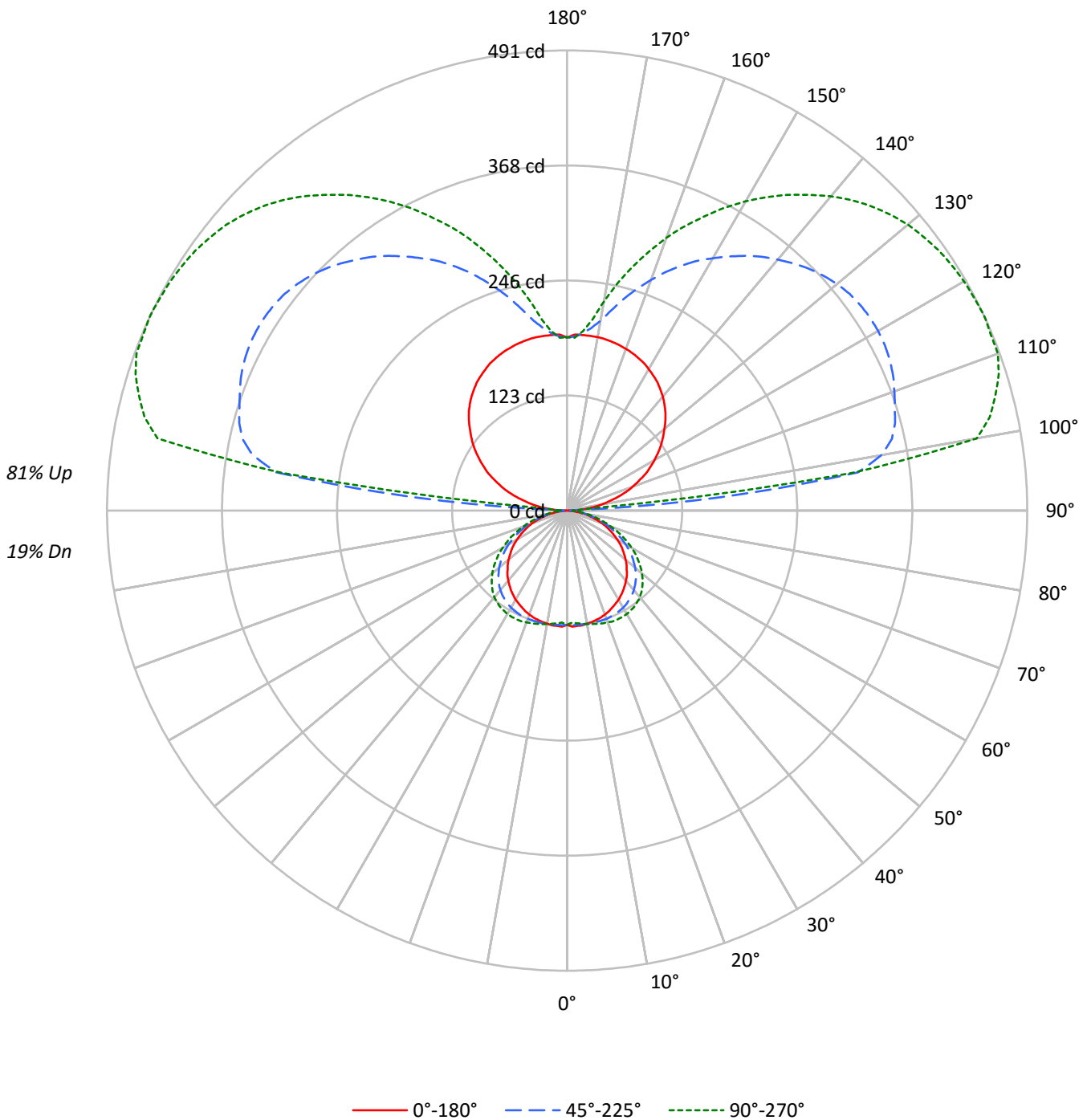
Input Watts (W): 17
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (6500K)

Luminous Intensity Polar Plot





TEST NUMBER: P395666

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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	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°	669	669	669
5°	679	660	647
10°	678	655	648
15°	679	653	653
20°	680	655	661
25°	679	657	671
30°	680	658	678
35°	679	655	681
40°	676	650	677
45°	670	636	662
50°	664	616	638
55°	652	586	601
60°	632	543	553
65°	604	484	494
70°	571	420	416
75°	495	329	334
80°	393	236	242
85°	233	137	159



TEST NUMBER: P395666

CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (6500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.7	0.5
10°-20°	34.8	1.6
20°-30°	55.9	2.5
30°-40°	72.0	3.2
40°-50°	79.1	3.5
50°-60°	74.3	3.3
60°-70°	57.7	2.6
70°-80°	33.1	1.5
80°-90°	10.6	0.5
90°-100°	143.0	6.4
100°-110°	339.8	15.2
110°-120°	341.4	15.3
120°-130°	313.1	14.0
130°-140°	261.8	11.7
140°-150°	196.5	8.8
150°-160°	127.9	5.7
160°-170°	65.9	2.9
170°-180°	18.6	0.8
0°-30°	102.3	4.6
0°-40°	174.3	7.8
0°-60°	327.7	14.6
0°-90°	429.1	19.2
90°-120°	824.2	36.8
90°-150°	1595.5	71.3
90°-180°	1808.0	80.8
0°-180°	2237.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	122	122	122	122	122	
5°	124	122	122	122	121	12
15°	121	120	123	125	125	34
25°	114	115	122	126	128	53
35°	104	107	116	123	125	65
45°	90	94	104	111	114	69
55°	72	76	84	90	93	64
65°	51	54	58	63	65	50
75°	27	28	31	34	35	29
85°	6	7	9	12	12	7
90°	1	2	3	5	6	2
95°	19	160	164	22	19	19
105°	56	214	362	447	473	59
115°	92	242	380	462	491	91
125°	122	252	382	458	484	109
135°	148	251	365	434	459	114
145°	168	240	332	390	411	105
155°	180	220	288	330	346	83
165°	186	199	234	259	269	53
175°	188	187	190	192	192	18
180°	185	185	185	185	185	



TEST NUMBER: P395666

CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8
2.5°	124.0	123.5	122.9	122.9	122.4	122.4	122.4	121.8	121.8	121.8	122.4
5°	123.5	123.5	122.9	122.4	122.4	122.4	121.8	121.8	121.8	121.8	122.4
7.5°	123.5	122.9	122.4	122.4	121.8	121.8	121.8	121.8	121.8	121.8	122.4
10°	122.4	122.4	121.8	121.8	121.3	121.8	121.8	121.8	121.8	121.8	122.9
12.5°	121.8	121.8	121.3	120.7	120.7	120.7	121.3	121.3	121.3	121.8	122.9
15°	120.7	120.7	120.2	120.2	120.2	120.2	120.7	120.7	121.3	121.8	122.9
17.5°	119.6	119.6	119.1	119.1	119.1	119.6	119.6	120.2	120.7	121.8	122.9
20°	118.0	118.0	118.0	118.0	118.0	118.5	118.5	119.1	120.2	121.3	122.9
22.5°	116.3	116.3	116.3	116.3	116.3	116.9	117.4	118.5	119.1	120.7	122.4
25°	114.1	114.1	114.1	114.1	114.7	115.2	115.8	116.9	118.0	119.6	121.8
27.5°	111.9	112.5	112.5	112.5	113.0	113.6	114.1	115.2	116.9	119.1	120.7
30°	109.7	109.7	109.7	110.3	110.8	111.4	112.5	113.6	115.2	117.4	119.6
32.5°	107.0	107.0	107.5	107.5	108.6	109.2	110.3	111.9	113.6	115.8	118.0
35°	104.2	104.2	104.2	105.3	105.9	107.0	107.5	109.2	111.4	113.6	115.8
37.5°	100.9	101.4	101.4	102.0	103.1	104.2	104.7	107.0	109.2	111.4	113.6
40°	97.6	98.1	98.1	98.7	100.3	100.9	102.0	104.2	105.9	108.6	110.8
42.5°	94.3	94.3	94.8	95.4	97.0	97.6	98.7	100.9	103.1	105.3	107.5
45°	89.9	90.4	91.0	91.5	93.2	94.3	95.4	97.0	99.2	101.4	103.6
47.5°	86.0	86.0	86.6	87.7	89.3	90.4	91.0	93.2	94.8	97.0	99.2
50°	81.6	82.1	82.1	83.2	84.9	86.0	86.6	88.8	90.4	92.6	94.8
52.5°	76.6	77.2	77.7	78.8	80.5	81.6	82.1	83.8	85.5	87.7	89.3
55°	72.2	72.8	72.8	73.9	75.5	76.1	77.2	78.3	80.5	82.1	84.4
57.5°	67.3	67.8	67.8	68.9	70.0	71.1	71.7	73.3	75.0	76.6	78.3
60°	61.7	62.3	62.8	63.4	64.5	65.6	66.2	67.3	68.9	70.6	72.2
62.5°	56.2	56.8	57.3	57.9	59.0	59.5	60.1	61.7	62.8	64.5	65.6
65°	50.7	51.3	51.8	52.4	52.9	53.5	54.0	55.1	56.2	57.9	58.4
67.5°	45.2	45.8	45.8	46.3	46.9	47.4	48.0	49.1	49.6	51.3	51.8
70°	39.7	39.7	39.7	40.2	40.2	40.8	41.3	42.5	43.0	44.1	45.2
72.5°	33.1	33.6	33.6	33.6	34.2	34.7	35.3	35.8	36.4	36.9	38.0
75°	27.0	27.6	27.0	27.6	28.1	28.1	28.7	29.2	29.8	30.3	30.9
77.5°	21.5	20.9	21.5	21.5	22.1	22.1	22.1	22.6	23.7	23.7	24.8
80°	15.4	15.4	15.4	15.4	16.0	16.0	16.5	16.5	17.6	18.2	18.7
82.5°	9.9	9.9	10.5	10.5	10.5	11.0	11.0	11.6	12.1	12.7	13.2
85°	5.5	5.5	5.5	6.1	6.1	6.6	6.6	7.2	7.7	8.3	8.8
87.5°	1.7	2.2	2.8	2.8	3.3	3.3	3.9	3.9	5.0	5.5	6.1
90°	0.6	0.6	1.1	1.1	1.1	1.7	1.7	2.2	2.2	2.8	3.3
92.5°	9.4	22.1	45.8	68.4	59.0	55.1	33.1	9.9	8.8	9.4	9.4
95°	19.3	36.4	66.7	108.1	140.0	159.9	173.1	198.5	224.4	220.0	164.3
97.5°	28.1	46.9	80.5	118.5	162.6	185.2	202.3	232.7	265.7	293.3	313.1
100°	36.9	56.2	92.1	131.8	172.6	193.0	212.8	254.2	286.7	314.2	340.7
102.5°	46.3	65.6	102.5	143.9	184.1	204.0	223.3	259.7	296.1	329.1	355.0
105°	55.7	75.5	111.9	154.4	194.6	214.5	233.2	267.9	301.6	332.4	362.2
107.5°	65.6	84.4	120.2	162.6	202.9	222.7	241.5	276.2	308.7	339.6	366.6
110°	74.4	92.6	128.5	170.4	210.6	230.4	249.2	283.9	315.9	345.1	371.6



TEST NUMBER: P395666

CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	82.7	100.3	136.2	177.0	216.7	236.5	254.7	289.4	321.4	350.1	376.5
115°	92.1	107.5	143.9	183.0	222.2	241.5	259.7	293.8	325.8	353.9	379.9
117.5°	99.8	114.7	150.5	188.0	226.6	245.3	263.0	297.2	328.6	356.7	382.1
120°	107.5	121.3	156.6	192.4	229.9	248.1	265.7	299.4	330.8	358.4	383.2
122.5°	115.2	127.9	161.5	196.8	232.7	250.8	267.9	301.0	331.9	358.9	383.2
125°	122.4	133.4	165.9	200.1	234.3	251.9	268.5	301.0	331.3	357.8	382.1
127.5°	129.0	139.5	169.3	203.4	235.4	252.5	268.5	299.9	330.2	356.1	379.9
130°	135.6	145.0	172.6	205.1	236.5	251.9	267.4	297.7	327.5	353.4	376.0
132.5°	142.2	151.1	175.3	206.7	237.1	251.9	266.3	295.5	324.2	349.5	371.0
135°	148.3	155.5	178.1	207.8	236.5	250.8	264.1	291.6	319.2	344.0	365.0
137.5°	153.8	159.9	180.3	208.4	236.0	249.2	262.4	287.2	313.1	337.4	357.8
140°	158.8	164.3	181.4	208.4	233.8	247.0	259.1	282.8	306.5	329.7	349.5
142.5°	163.2	168.1	183.0	207.3	231.5	244.2	255.8	278.4	299.9	322.0	341.3
145°	167.6	171.5	184.1	206.7	228.8	240.4	251.4	272.9	293.8	313.7	331.9
147.5°	170.9	174.8	185.2	204.5	225.5	236.0	246.4	266.8	286.1	304.9	321.4
150°	174.2	177.5	185.8	202.3	221.6	231.0	240.4	259.7	278.4	295.5	310.9
152.5°	177.5	179.7	187.4	200.1	217.2	226.0	235.4	252.5	269.6	285.6	300.5
155°	179.7	181.4	188.0	197.9	212.8	220.5	228.2	244.2	259.7	274.6	288.3
157.5°	181.9	183.6	188.5	196.3	207.8	215.0	221.6	235.4	249.7	263.0	275.7
160°	183.6	184.7	188.5	195.2	203.4	208.4	214.5	227.1	239.3	250.8	261.9
162.5°	185.2	185.8	188.5	193.5	199.6	202.9	207.3	217.2	228.2	238.2	248.1
165°	186.3	186.9	188.5	192.4	196.3	199.0	201.2	208.4	216.7	225.5	233.8
167.5°	187.4	187.4	188.5	191.3	193.5	195.2	196.8	200.7	206.2	212.8	218.9
170°	188.0	188.0	188.5	190.2	191.9	192.4	193.5	195.7	198.5	201.8	205.6
172.5°	188.0	188.0	188.0	189.1	189.7	189.7	189.7	190.8	192.4	194.6	196.3
175°	188.0	187.4	187.4	188.0	187.4	187.4	187.4	187.4	188.0	189.1	189.7
177.5°	188.0	187.4	186.9	186.9	186.3	186.3	185.8	185.8	185.8	185.8	185.8
180°	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7



TEST NUMBER: P395666

CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8
2.5°	122.4	122.4	121.8	121.3	121.3	121.3	120.7	120.2	119.6	119.6
5°	122.4	122.4	121.8	121.8	121.8	121.8	121.3	121.3	120.7	120.7
7.5°	122.9	122.4	122.4	122.4	122.4	122.4	122.4	122.4	121.8	121.8
10°	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9
12.5°	123.5	123.5	123.5	123.5	124.0	124.0	124.0	124.0	124.0	124.0
15°	123.5	124.0	124.6	124.6	124.6	125.1	125.1	125.1	125.1	125.1
17.5°	124.0	124.6	125.1	125.1	125.7	125.7	126.2	126.2	126.2	126.2
20°	124.0	124.6	125.1	125.7	126.2	126.2	126.8	127.4	127.4	126.8
22.5°	123.5	124.6	125.1	125.7	126.2	126.8	127.4	127.9	127.9	127.9
25°	122.9	124.0	125.1	126.2	126.2	126.8	127.9	127.9	127.9	127.9
27.5°	122.4	123.5	124.6	125.7	126.2	126.8	127.4	127.9	127.9	127.9
30°	121.3	122.9	124.0	125.1	125.7	126.2	126.8	127.4	127.4	127.4
32.5°	119.6	121.3	122.4	124.0	124.6	125.1	125.7	126.2	126.2	126.2
35°	118.0	119.6	120.7	122.4	122.9	123.5	124.6	124.6	125.1	125.1
37.5°	115.2	117.4	118.5	120.2	120.7	121.3	122.4	122.9	122.9	122.9
40°	112.5	114.7	115.8	117.4	118.0	118.5	119.6	120.2	120.7	120.7
42.5°	109.2	111.4	112.5	114.1	114.7	115.2	116.3	116.9	117.4	117.4
45°	105.9	107.5	108.6	110.3	111.4	111.4	112.5	113.0	113.6	113.6
47.5°	101.4	103.1	104.2	105.9	107.0	107.5	108.1	108.6	109.2	109.2
50°	96.5	98.1	99.8	100.9	102.0	102.0	103.1	103.6	104.2	104.2
52.5°	91.5	92.6	94.3	95.9	96.5	97.0	97.6	98.1	98.7	98.7
55°	86.0	87.1	88.8	89.9	90.4	91.0	91.5	92.1	92.6	92.6
57.5°	79.9	81.0	82.7	83.8	84.4	84.9	85.5	86.0	86.6	86.6
60°	73.3	74.4	76.1	77.2	77.7	77.7	78.8	79.4	79.4	79.4
62.5°	66.7	67.8	68.9	70.0	70.6	71.1	71.7	72.2	72.2	72.2
65°	60.1	61.2	62.3	62.8	63.4	63.4	64.0	64.5	65.1	65.1
67.5°	52.9	54.0	55.1	55.7	56.2	56.2	56.8	57.3	57.3	57.3
70°	45.8	46.3	47.4	48.0	48.5	48.5	49.6	49.6	49.6	49.6
72.5°	38.6	39.1	40.2	40.8	41.3	41.3	41.9	42.5	42.5	42.5
75°	32.0	32.5	33.1	34.2	34.2	34.2	34.7	35.3	35.3	35.3
77.5°	25.4	25.9	26.5	27.0	27.6	27.6	28.1	28.7	28.7	28.7
80°	19.3	19.8	20.4	20.9	20.9	21.5	21.5	22.1	22.1	22.1
82.5°	13.8	14.3	14.9	15.4	16.0	16.0	16.5	17.1	17.1	16.5
85°	9.4	10.5	11.0	11.6	11.6	11.6	12.1	12.7	12.7	12.1
87.5°	6.6	6.6	7.2	7.7	7.7	8.3	8.3	8.8	8.8	8.8
90°	3.9	3.9	4.4	4.4	5.0	5.0	5.0	5.5	5.5	5.5
92.5°	9.4	9.4	9.9	9.9	9.9	9.9	10.5	10.5	10.5	10.5
95°	100.3	45.2	38.0	23.2	22.1	19.3	18.7	19.3	19.3	18.7
97.5°	336.8	360.6	375.4	382.6	373.8	364.4	353.9	352.3	338.0	306.0
100°	363.3	382.1	400.3	412.9	417.9	422.3	432.2	438.3	441.0	443.8
102.5°	376.5	396.4	412.4	428.4	435.0	441.0	449.9	457.0	459.8	462.0
105°	388.1	408.5	426.2	440.5	446.6	452.1	460.9	467.5	472.5	473.0
107.5°	390.9	412.4	432.2	449.9	457.0	463.1	473.6	478.5	482.9	482.9
110°	395.8	416.2	434.4	450.4	457.6	464.8	475.8	483.5	487.9	489.0



TEST NUMBER: P395666

CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	399.7	420.6	437.7	453.7	459.8	466.4	476.9	484.0	487.9	489.6
115°	403.0	423.4	440.5	455.4	462.0	468.6	479.1	485.2	489.6	491.2
117.5°	405.2	425.1	442.1	455.9	463.1	468.6	478.5	485.2	489.6	490.1
120°	405.8	425.6	442.1	455.9	462.0	468.1	478.0	484.6	489.0	489.0
122.5°	405.8	425.1	441.6	454.8	460.3	465.9	475.2	482.9	486.8	486.8
125°	403.6	422.9	438.8	452.1	457.6	462.5	472.5	479.6	483.5	484.0
127.5°	400.3	419.0	435.0	448.2	453.7	458.1	468.6	475.2	479.1	479.6
130°	395.8	414.6	430.0	442.7	448.2	453.2	462.0	469.2	473.6	474.7
132.5°	390.9	408.5	424.0	436.1	441.6	446.0	454.8	462.0	465.9	467.5
135°	384.8	401.4	416.2	428.4	433.9	438.3	446.6	453.7	457.6	459.2
137.5°	377.1	393.1	407.4	419.5	424.5	428.9	437.2	443.8	447.1	449.3
140°	368.3	383.2	398.0	409.1	414.0	418.4	425.6	432.8	436.1	437.7
142.5°	358.9	373.8	387.0	398.0	402.5	406.9	414.0	420.6	424.0	424.5
145°	349.0	363.3	375.4	385.9	389.8	394.2	400.8	407.4	410.7	411.3
147.5°	338.0	351.2	362.8	372.7	377.1	380.4	386.5	392.5	395.8	396.4
150°	325.3	337.4	347.9	357.8	361.7	365.0	371.6	377.1	380.4	381.0
152.5°	313.1	324.7	333.5	342.4	346.2	349.5	355.0	360.6	363.9	364.4
155°	300.5	310.9	319.8	326.9	330.2	333.5	338.0	342.9	345.7	346.2
157.5°	287.2	297.2	304.9	311.5	314.8	317.6	321.4	325.8	327.5	328.6
160°	272.9	281.2	287.8	294.4	297.2	299.9	303.8	307.1	309.3	309.8
162.5°	257.5	264.6	270.1	276.2	277.9	280.1	283.9	287.2	288.9	289.4
165°	241.5	248.1	253.1	258.0	259.1	260.8	263.5	266.8	267.9	269.0
167.5°	225.5	231.0	234.3	238.7	240.4	241.5	244.2	246.4	247.5	248.1
170°	210.0	213.9	216.7	220.0	220.5	222.2	223.8	226.0	226.6	226.6
172.5°	197.9	199.6	201.2	202.3	202.9	203.4	204.5	205.1	205.1	205.1
175°	190.2	191.3	191.3	191.9	191.9	191.9	191.9	191.9	191.9	191.9
177.5°	185.8	185.8	185.8	185.2	185.2	185.2	185.2	184.7	184.7	184.7
180°	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7

(END OF REPORT)