

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: P395661

Luminaire Tested: **I3-UL-20L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395661
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 (3500K)
Description: CORELITE I3, OPEN TOP
2000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2017.8 lumens
Efficiency: N/A
Efficacy: 124.6 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

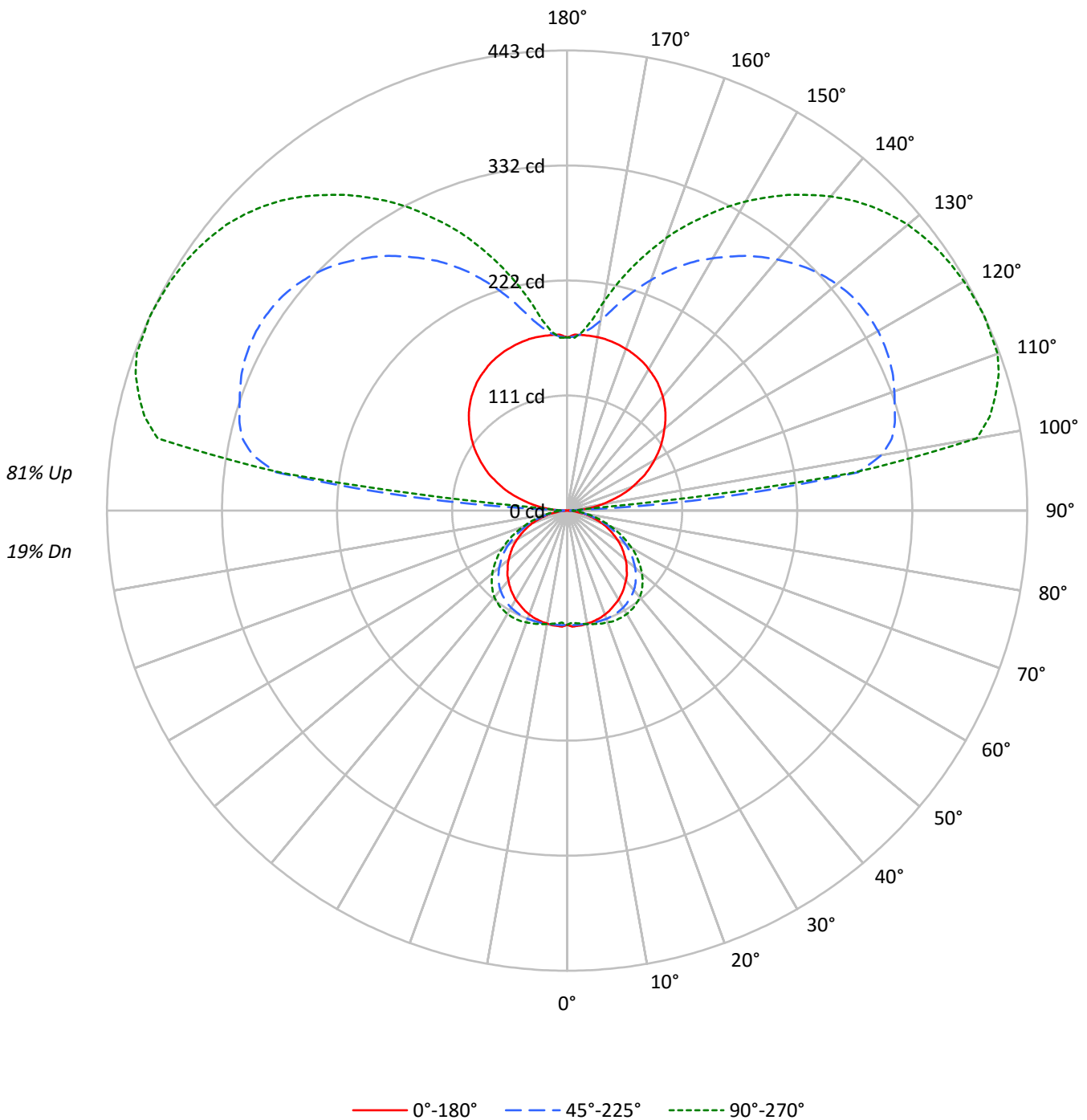
Input Watts (W): 16.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	604	604	604
5°	612	595	584
10°	612	591	585
15°	613	589	590
20°	613	591	597
25°	612	593	606
30°	613	594	612
35°	612	591	614
40°	610	587	611
45°	605	574	597
50°	599	555	575
55°	588	529	542
60°	570	490	499
65°	545	437	445
70°	515	379	376
75°	447	296	301
80°	354	213	218
85°	212	125	143



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CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (3500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.5	0.5
10°-20°	31.4	1.6
20°-30°	50.4	2.5
30°-40°	64.9	3.2
40°-50°	71.3	3.5
50°-60°	67.0	3.3
60°-70°	52.1	2.6
70°-80°	29.9	1.5
80°-90°	9.6	0.5
90°-100°	129.0	6.4
100°-110°	306.5	15.2
110°-120°	307.9	15.3
120°-130°	282.4	14.0
130°-140°	236.1	11.7
140°-150°	177.2	8.8
150°-160°	115.4	5.7
160°-170°	59.4	2.9
170°-180°	16.8	0.8
0°-30°	92.3	4.6
0°-40°	157.2	7.8
0°-60°	295.6	14.6
0°-90°	387.1	19.2
90°-120°	743.4	36.8
90°-150°	1439.1	71.3
90°-180°	1631.0	80.8
0°-180°	2017.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	110	110	110	110	110	
5°	111	110	110	110	109	11
15°	109	108	111	112	113	31
25°	103	104	110	114	115	48
35°	94	96	104	111	113	59
45°	81	85	94	100	102	63
55°	65	69	76	82	84	58
65°	46	48	53	57	59	45
75°	24	25	28	31	32	26
85°	5	6	8	10	11	6
90°	0	2	3	4	5	2
95°	17	144	148	20	17	17
105°	50	193	327	403	427	53
115°	83	218	343	417	443	82
125°	110	227	345	413	437	99
135°	134	226	329	391	414	103
145°	151	217	299	352	371	94
155°	162	199	260	298	312	75
165°	168	180	211	234	243	48
175°	170	169	171	173	173	16
180°	167	167	167	167	167	



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CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	109.9	109.9	109.9	109.9	109.9	109.9	109.9	109.9	109.9	109.9	109.9
2.5°	111.9	111.4	110.9	110.9	110.4	110.4	110.4	109.9	109.9	109.9	110.4
5°	111.4	111.4	110.9	110.4	110.4	110.4	109.9	109.9	109.9	109.9	110.4
7.5°	111.4	110.9	110.4	110.4	109.9	109.9	109.9	109.9	109.9	109.9	110.4
10°	110.4	110.4	109.9	109.9	109.4	109.9	109.9	109.9	109.9	109.9	110.9
12.5°	109.9	109.9	109.4	108.9	108.9	108.9	109.4	109.4	109.4	109.9	110.9
15°	108.9	108.9	108.4	108.4	108.4	108.4	108.9	108.9	109.4	109.9	110.9
17.5°	107.9	107.9	107.4	107.4	107.4	107.9	107.9	108.4	108.9	109.9	110.9
20°	106.4	106.4	106.4	106.4	106.4	106.9	106.9	107.4	108.4	109.4	110.9
22.5°	104.9	104.9	104.9	104.9	104.9	105.4	105.9	106.9	107.4	108.9	110.4
25°	102.9	102.9	102.9	102.9	103.4	103.9	104.4	105.4	106.4	107.9	109.9
27.5°	100.9	101.4	101.4	101.4	101.9	102.4	102.9	103.9	105.4	107.4	108.9
30°	99.0	99.0	99.0	99.5	100.0	100.5	101.4	102.4	103.9	105.9	107.9
32.5°	96.5	96.5	97.0	97.0	98.0	98.5	99.5	100.9	102.4	104.4	106.4
35°	94.0	94.0	94.0	95.0	95.5	96.5	97.0	98.5	100.5	102.4	104.4
37.5°	91.0	91.5	91.5	92.0	93.0	94.0	94.5	96.5	98.5	100.5	102.4
40°	88.0	88.5	88.5	89.0	90.5	91.0	92.0	94.0	95.5	98.0	100.0
42.5°	85.0	85.0	85.5	86.0	87.5	88.0	89.0	91.0	93.0	95.0	97.0
45°	81.1	81.6	82.1	82.5	84.0	85.0	86.0	87.5	89.5	91.5	93.5
47.5°	77.6	77.6	78.1	79.1	80.6	81.6	82.1	84.0	85.5	87.5	89.5
50°	73.6	74.1	74.1	75.1	76.6	77.6	78.1	80.1	81.6	83.5	85.5
52.5°	69.1	69.6	70.1	71.1	72.6	73.6	74.1	75.6	77.1	79.1	80.6
55°	65.1	65.6	65.6	66.6	68.1	68.6	69.6	70.6	72.6	74.1	76.1
57.5°	60.7	61.2	61.2	62.2	63.2	64.1	64.6	66.1	67.6	69.1	70.6
60°	55.7	56.2	56.7	57.2	58.2	59.2	59.7	60.7	62.2	63.7	65.1
62.5°	50.7	51.2	51.7	52.2	53.2	53.7	54.2	55.7	56.7	58.2	59.2
65°	45.7	46.2	46.7	47.2	47.7	48.2	48.7	49.7	50.7	52.2	52.7
67.5°	40.8	41.3	41.3	41.8	42.3	42.8	43.3	44.3	44.8	46.2	46.7
70°	35.8	35.8	35.8	36.3	36.3	36.8	37.3	38.3	38.8	39.8	40.8
72.5°	29.8	30.3	30.3	30.3	30.8	31.3	31.8	32.3	32.8	33.3	34.3
75°	24.4	24.9	24.4	24.9	25.4	25.4	25.9	26.4	26.9	27.4	27.8
77.5°	19.4	18.9	19.4	19.4	19.9	19.9	19.9	20.4	21.4	21.4	22.4
80°	13.9	13.9	13.9	13.9	14.4	14.4	14.9	14.9	15.9	16.4	16.9
82.5°	9.0	9.0	9.4	9.4	9.4	9.9	9.9	10.4	10.9	11.4	11.9
85°	5.0	5.0	5.0	5.5	5.5	6.0	6.0	6.5	7.0	7.5	8.0
87.5°	1.5	2.0	2.5	2.5	3.0	3.0	3.5	3.5	4.5	5.0	5.5
90°	0.5	0.5	1.0	1.0	1.0	1.5	1.5	2.0	2.0	2.5	3.0
92.5°	8.5	19.9	41.3	61.7	53.2	49.7	29.8	9.0	8.0	8.5	8.5
95°	17.4	32.8	60.2	97.5	126.3	144.2	156.1	179.0	202.4	198.4	148.2
97.5°	25.4	42.3	72.6	106.9	146.7	167.1	182.5	209.9	239.7	264.6	282.5
100°	33.3	50.7	83.0	118.9	155.6	174.0	192.0	229.2	258.6	283.5	307.3
102.5°	41.8	59.2	92.5	129.8	166.1	184.0	201.4	234.2	267.0	296.9	320.2
105°	50.2	68.1	100.9	139.2	175.5	193.4	210.4	241.7	272.0	299.9	326.7
107.5°	59.2	76.1	108.4	146.7	183.0	200.9	217.8	249.1	278.5	306.3	330.7
110°	67.1	83.5	115.9	153.7	190.0	207.9	224.8	256.1	284.9	311.3	335.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	74.6	90.5	122.8	159.6	195.4	213.3	229.7	261.1	289.9	315.8	339.6
115°	83.0	97.0	129.8	165.1	200.4	217.8	234.2	265.1	293.9	319.3	342.6
117.5°	90.0	103.4	135.8	169.6	204.4	221.3	237.2	268.0	296.4	321.7	344.6
120°	97.0	109.4	141.2	173.6	207.4	223.8	239.7	270.0	298.4	323.2	345.6
122.5°	103.9	115.4	145.7	177.5	209.9	226.3	241.7	271.5	299.4	323.7	345.6
125°	110.4	120.3	149.7	180.5	211.3	227.3	242.2	271.5	298.9	322.7	344.6
127.5°	116.4	125.8	152.7	183.5	212.3	227.8	242.2	270.5	297.9	321.2	342.6
130°	122.3	130.8	155.6	185.0	213.3	227.3	241.2	268.5	295.4	318.8	339.1
132.5°	128.3	136.3	158.1	186.5	213.8	227.3	240.2	266.5	292.4	315.3	334.7
135°	133.8	140.2	160.6	187.5	213.3	226.3	238.2	263.1	287.9	310.3	329.2
137.5°	138.7	144.2	162.6	188.0	212.8	224.8	236.7	259.1	282.5	304.3	322.7
140°	143.2	148.2	163.6	188.0	210.8	222.8	233.7	255.1	276.5	297.4	315.3
142.5°	147.2	151.7	165.1	187.0	208.9	220.3	230.7	251.1	270.5	290.4	307.8
145°	151.2	154.7	166.1	186.5	206.4	216.8	226.8	246.2	265.1	283.0	299.4
147.5°	154.2	157.6	167.1	184.5	203.4	212.8	222.3	240.7	258.1	275.0	289.9
150°	157.1	160.1	167.6	182.5	199.9	208.4	216.8	234.2	251.1	266.5	280.5
152.5°	160.1	162.1	169.1	180.5	195.9	203.9	212.3	227.8	243.2	257.6	271.0
155°	162.1	163.6	169.6	178.5	192.0	198.9	205.9	220.3	234.2	247.6	260.1
157.5°	164.1	165.6	170.1	177.0	187.5	193.9	199.9	212.3	225.3	237.2	248.6
160°	165.6	166.6	170.1	176.0	183.5	188.0	193.4	204.9	215.8	226.3	236.2
162.5°	167.1	167.6	170.1	174.5	180.0	183.0	187.0	195.9	205.9	214.8	223.8
165°	168.1	168.6	170.1	173.6	177.0	179.5	181.5	188.0	195.4	203.4	210.8
167.5°	169.1	169.1	170.1	172.6	174.5	176.0	177.5	181.0	186.0	192.0	197.4
170°	169.6	169.6	170.1	171.6	173.1	173.6	174.5	176.5	179.0	182.0	185.5
172.5°	169.6	169.6	169.6	170.6	171.1	171.1	171.1	172.1	173.6	175.5	177.0
175°	169.6	169.1	169.1	169.6	169.1	169.1	169.1	169.1	169.6	170.6	171.1
177.5°	169.6	169.1	168.6	168.6	168.1	168.1	167.6	167.6	167.6	167.6	167.6
180°	166.6	166.6	166.6	166.6	166.6	166.6	166.6	166.6	166.6	166.6	166.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	109.9	109.9	109.9	109.9	109.9	109.9	109.9	109.9	109.9	109.9
2.5°	110.4	110.4	109.9	109.4	109.4	109.4	108.9	108.4	107.9	107.9
5°	110.4	110.4	109.9	109.9	109.9	109.9	109.4	109.4	108.9	108.9
7.5°	110.9	110.4	110.4	110.4	110.4	110.4	110.4	110.4	109.9	109.9
10°	110.9	110.9	110.9	110.9	110.9	110.9	110.9	110.9	110.9	110.9
12.5°	111.4	111.4	111.4	111.4	111.9	111.9	111.9	111.9	111.9	111.9
15°	111.4	111.9	112.4	112.4	112.4	112.9	112.9	112.9	112.9	112.9
17.5°	111.9	112.4	112.9	112.9	113.4	113.4	113.9	113.9	113.9	113.9
20°	111.9	112.4	112.9	113.4	113.9	113.9	114.4	114.9	114.9	114.4
22.5°	111.4	112.4	112.9	113.4	113.9	114.4	114.9	115.4	115.4	115.4
25°	110.9	111.9	112.9	113.9	113.9	114.4	115.4	115.4	115.4	115.4
27.5°	110.4	111.4	112.4	113.4	113.9	114.4	114.9	115.4	115.4	115.4
30°	109.4	110.9	111.9	112.9	113.4	113.9	114.4	114.9	114.9	114.9
32.5°	107.9	109.4	110.4	111.9	112.4	112.9	113.4	113.9	113.9	113.9
35°	106.4	107.9	108.9	110.4	110.9	111.4	112.4	112.4	112.9	112.9
37.5°	103.9	105.9	106.9	108.4	108.9	109.4	110.4	110.9	110.9	110.9
40°	101.4	103.4	104.4	105.9	106.4	106.9	107.9	108.4	108.9	108.9
42.5°	98.5	100.5	101.4	102.9	103.4	103.9	104.9	105.4	105.9	105.9
45°	95.5	97.0	98.0	99.5	100.5	100.5	101.4	101.9	102.4	102.4
47.5°	91.5	93.0	94.0	95.5	96.5	97.0	97.5	98.0	98.5	98.5
50°	87.0	88.5	90.0	91.0	92.0	92.0	93.0	93.5	94.0	94.0
52.5°	82.5	83.5	85.0	86.5	87.0	87.5	88.0	88.5	89.0	89.0
55°	77.6	78.6	80.1	81.1	81.6	82.1	82.5	83.0	83.5	83.5
57.5°	72.1	73.1	74.6	75.6	76.1	76.6	77.1	77.6	78.1	78.1
60°	66.1	67.1	68.6	69.6	70.1	70.1	71.1	71.6	71.6	71.6
62.5°	60.2	61.2	62.2	63.2	63.7	64.1	64.6	65.1	65.1	65.1
65°	54.2	55.2	56.2	56.7	57.2	57.2	57.7	58.2	58.7	58.7
67.5°	47.7	48.7	49.7	50.2	50.7	50.7	51.2	51.7	51.7	51.7
70°	41.3	41.8	42.8	43.3	43.8	43.8	44.8	44.8	44.8	44.8
72.5°	34.8	35.3	36.3	36.8	37.3	37.3	37.8	38.3	38.3	38.3
75°	28.8	29.3	29.8	30.8	30.8	30.8	31.3	31.8	31.8	31.8
77.5°	22.9	23.4	23.9	24.4	24.9	24.9	25.4	25.9	25.9	25.9
80°	17.4	17.9	18.4	18.9	18.9	19.4	19.4	19.9	19.9	19.9
82.5°	12.4	12.9	13.4	13.9	14.4	14.4	14.9	15.4	15.4	14.9
85°	8.5	9.4	9.9	10.4	10.4	10.4	10.9	11.4	11.4	10.9
87.5°	6.0	6.0	6.5	7.0	7.0	7.5	7.5	8.0	8.0	8.0
90°	3.5	3.5	4.0	4.0	4.5	4.5	4.5	5.0	5.0	5.0
92.5°	8.5	8.5	9.0	9.0	9.0	9.0	9.4	9.4	9.4	9.4
95°	90.5	40.8	34.3	20.9	19.9	17.4	16.9	17.4	17.4	16.9
97.5°	303.8	325.2	338.6	345.1	337.2	328.7	319.3	317.8	304.8	276.0
100°	327.7	344.6	361.0	372.5	376.9	380.9	389.9	395.3	397.8	400.3
102.5°	339.6	357.5	372.0	386.4	392.4	397.8	405.8	412.2	414.7	416.7
105°	350.1	368.5	384.4	397.3	402.8	407.8	415.7	421.7	426.2	426.7
107.5°	352.6	372.0	389.9	405.8	412.2	417.7	427.2	431.6	435.6	435.6
110°	357.0	375.4	391.9	406.3	412.7	419.2	429.2	436.1	440.1	441.1



TEST NUMBER: P395661

CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	360.5	379.4	394.8	409.3	414.7	420.7	430.1	436.6	440.1	441.6
115°	363.5	381.9	397.3	410.8	416.7	422.7	432.1	437.6	441.6	443.1
117.5°	365.5	383.4	398.8	411.3	417.7	422.7	431.6	437.6	441.6	442.1
120°	366.0	383.9	398.8	411.3	416.7	422.2	431.1	437.1	441.1	441.1
122.5°	366.0	383.4	398.3	410.3	415.2	420.2	428.7	435.6	439.1	439.1
125°	364.0	381.4	395.8	407.8	412.7	417.2	426.2	432.6	436.1	436.6
127.5°	361.0	377.9	392.4	404.3	409.3	413.2	422.7	428.7	432.1	432.6
130°	357.0	374.0	387.9	399.3	404.3	408.8	416.7	423.2	427.2	428.2
132.5°	352.6	368.5	382.4	393.3	398.3	402.3	410.3	416.7	420.2	421.7
135°	347.1	362.0	375.4	386.4	391.4	395.3	402.8	409.3	412.7	414.2
137.5°	340.1	354.6	367.5	378.4	382.9	386.9	394.3	400.3	403.3	405.3
140°	332.2	345.6	359.0	369.0	373.5	377.4	383.9	390.4	393.3	394.8
142.5°	323.7	337.2	349.1	359.0	363.0	367.0	373.5	379.4	382.4	382.9
145°	314.8	327.7	338.6	348.1	351.6	355.6	361.5	367.5	370.5	371.0
147.5°	304.8	316.8	327.2	336.2	340.1	343.1	348.6	354.1	357.0	357.5
150°	293.4	304.3	313.8	322.7	326.2	329.2	335.2	340.1	343.1	343.6
152.5°	282.5	292.9	300.9	308.8	312.3	315.3	320.2	325.2	328.2	328.7
155°	271.0	280.5	288.4	294.9	297.9	300.9	304.8	309.3	311.8	312.3
157.5°	259.1	268.0	275.0	281.0	283.9	286.4	289.9	293.9	295.4	296.4
160°	246.2	253.6	259.6	265.5	268.0	270.5	274.0	277.0	279.0	279.5
162.5°	232.2	238.7	243.7	249.1	250.6	252.6	256.1	259.1	260.6	261.1
165°	217.8	223.8	228.3	232.7	233.7	235.2	237.7	240.7	241.7	242.7
167.5°	203.4	208.4	211.3	215.3	216.8	217.8	220.3	222.3	223.3	223.8
170°	189.5	192.9	195.4	198.4	198.9	200.4	201.9	203.9	204.4	204.4
172.5°	178.5	180.0	181.5	182.5	183.0	183.5	184.5	185.0	185.0	185.0
175°	171.6	172.6	172.6	173.1	173.1	173.1	173.1	173.1	173.1	173.1
177.5°	167.6	167.6	167.6	167.1	167.1	167.1	167.1	166.6	166.6	166.6
180°	166.6	166.6	166.6	166.6	166.6	166.6	166.6	166.6	166.6	166.6

(END OF REPORT)