

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: P395659

Luminaire Tested: **I3-UL-20L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395659
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 (2700K)
Description: CORELITE I3, OPEN TOP
2000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1848.1 lumens
Efficiency: N/A
Efficacy: 114.1 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

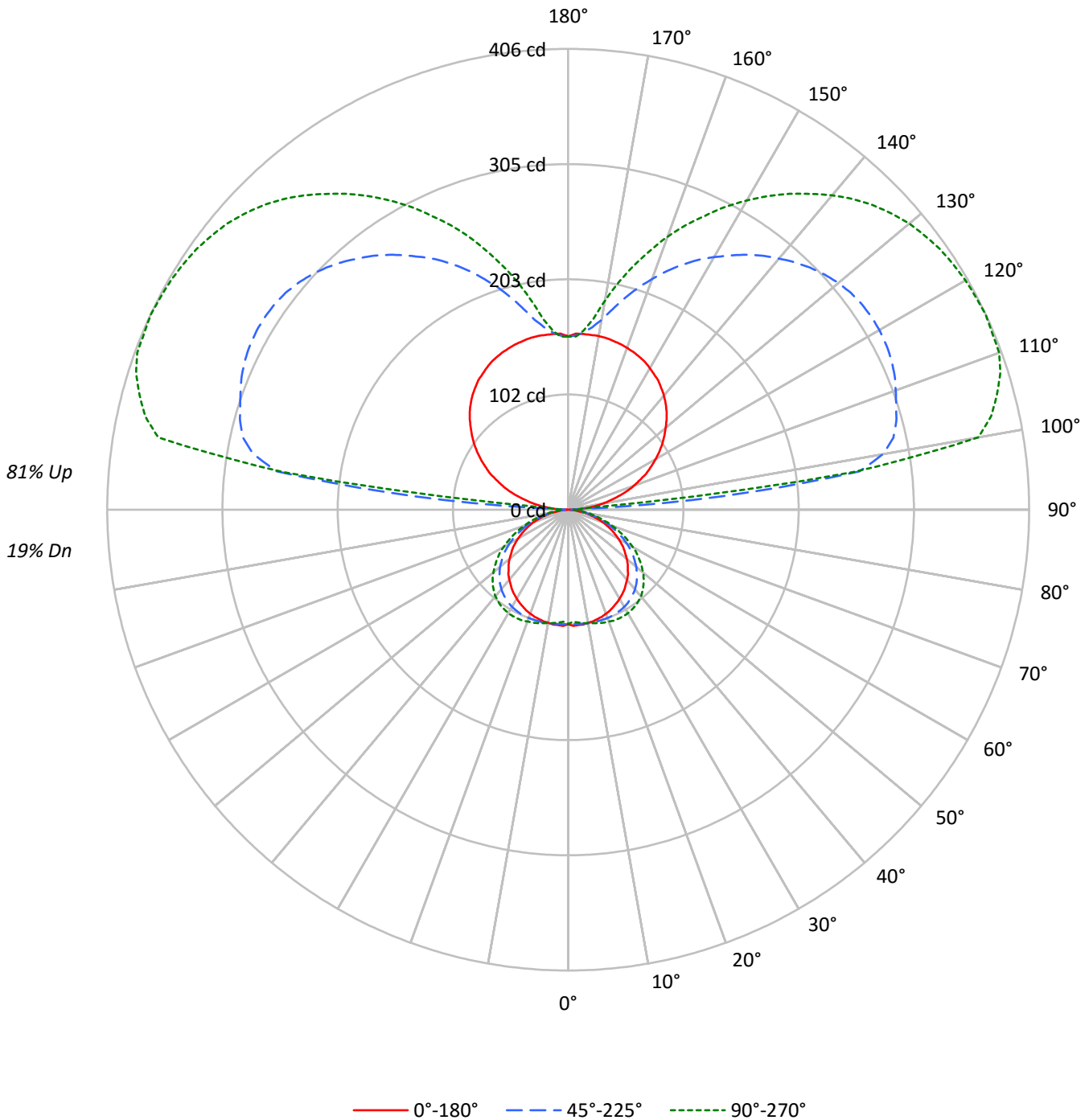
Input Watts (W): 16.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395659

CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (2700K)

Luminous Intensity Polar Plot





TEST NUMBER: P395659

CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (2700K)

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	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°	553	553	553
5°	561	545	535
10°	560	542	536
15°	561	540	540
20°	562	542	547
25°	561	543	555
30°	561	544	560
35°	561	541	563
40°	558	537	559
45°	553	526	547
50°	549	508	527
55°	539	484	497
60°	522	449	457
65°	499	400	407
70°	472	346	344
75°	409	272	275
80°	326	196	199
85°	195	114	131



TEST NUMBER: P395659

CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (2700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.6	0.5
10°-20°	28.7	1.6
20°-30°	46.2	2.5
30°-40°	59.5	3.2
40°-50°	65.3	3.5
50°-60°	61.4	3.3
60°-70°	47.7	2.6
70°-80°	27.4	1.5
80°-90°	8.8	0.5
90°-100°	118.1	6.4
100°-110°	280.7	15.2
110°-120°	282.0	15.3
120°-130°	258.6	14.0
130°-140°	216.3	11.7
140°-150°	162.3	8.8
150°-160°	105.7	5.7
160°-170°	54.4	2.9
170°-180°	15.4	0.8
0°-30°	84.6	4.6
0°-40°	144.0	7.8
0°-60°	270.7	14.6
0°-90°	354.5	19.2
90°-120°	680.9	36.8
90°-150°	1318.1	71.3
90°-180°	1494.0	80.8
0°-180°	1848.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	101	101	101	101	101	
5°	102	101	101	101	100	10
15°	100	99	102	103	103	28
25°	94	95	101	104	106	44
35°	86	88	96	102	103	54
45°	74	78	86	92	94	57
55°	60	63	70	75	76	53
65°	42	44	48	52	54	41
75°	22	23	26	28	29	24
85°	5	6	7	10	10	5
90°	0	1	3	4	5	1
95°	16	132	136	18	16	16
105°	46	177	299	369	391	49
115°	76	200	314	382	406	75
125°	101	208	316	378	400	90
135°	122	207	302	358	379	94
145°	138	199	274	322	340	87
155°	148	182	238	273	286	69
165°	154	164	193	214	222	44
175°	155	155	157	158	158	15
180°	153	153	153	153	153	



TEST NUMBER: P395659

CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	100.7	100.7	100.7	100.7	100.7	100.7	100.7	100.7	100.7	100.7	100.7
2.5°	102.5	102.0	101.6	101.6	101.1	101.1	101.1	100.7	100.7	100.7	101.1
5°	102.0	102.0	101.6	101.1	101.1	101.1	100.7	100.7	100.7	100.7	101.1
7.5°	102.0	101.6	101.1	101.1	100.7	100.7	100.7	100.7	100.7	100.7	101.1
10°	101.1	101.1	100.7	100.7	100.2	100.7	100.7	100.7	100.7	100.7	101.6
12.5°	100.7	100.7	100.2	99.7	99.7	99.7	100.2	100.2	100.2	100.7	101.6
15°	99.7	99.7	99.3	99.3	99.3	99.3	99.7	99.7	100.2	100.7	101.6
17.5°	98.8	98.8	98.4	98.4	98.4	98.8	98.8	99.3	99.7	100.7	101.6
20°	97.5	97.5	97.5	97.5	97.5	97.9	97.9	98.4	99.3	100.2	101.6
22.5°	96.1	96.1	96.1	96.1	96.1	96.6	97.0	97.9	98.4	99.7	101.1
25°	94.3	94.3	94.3	94.3	94.7	95.2	95.6	96.6	97.5	98.8	100.7
27.5°	92.5	92.9	92.9	92.9	93.4	93.8	94.3	95.2	96.6	98.4	99.7
30°	90.6	90.6	90.6	91.1	91.5	92.0	92.9	93.8	95.2	97.0	98.8
32.5°	88.4	88.4	88.8	88.8	89.7	90.2	91.1	92.5	93.8	95.6	97.5
35°	86.1	86.1	86.1	87.0	87.4	88.4	88.8	90.2	92.0	93.8	95.6
37.5°	83.3	83.8	83.8	84.3	85.2	86.1	86.5	88.4	90.2	92.0	93.8
40°	80.6	81.1	81.1	81.5	82.9	83.3	84.3	86.1	87.4	89.7	91.5
42.5°	77.9	77.9	78.3	78.8	80.2	80.6	81.5	83.3	85.2	87.0	88.8
45°	74.2	74.7	75.1	75.6	77.0	77.9	78.8	80.2	82.0	83.8	85.6
47.5°	71.1	71.1	71.5	72.4	73.8	74.7	75.1	77.0	78.3	80.2	82.0
50°	67.4	67.9	67.9	68.8	70.1	71.1	71.5	73.3	74.7	76.5	78.3
52.5°	63.3	63.8	64.2	65.1	66.5	67.4	67.9	69.2	70.6	72.4	73.8
55°	59.7	60.1	60.1	61.0	62.4	62.9	63.8	64.7	66.5	67.9	69.7
57.5°	55.6	56.0	56.0	56.9	57.8	58.8	59.2	60.6	61.9	63.3	64.7
60°	51.0	51.5	51.9	52.4	53.3	54.2	54.7	55.6	56.9	58.3	59.7
62.5°	46.5	46.9	47.4	47.8	48.7	49.2	49.6	51.0	51.9	53.3	54.2
65°	41.9	42.4	42.8	43.3	43.7	44.2	44.6	45.5	46.5	47.8	48.3
67.5°	37.3	37.8	37.8	38.3	38.7	39.2	39.6	40.5	41.0	42.4	42.8
70°	32.8	32.8	32.8	33.2	33.2	33.7	34.2	35.1	35.5	36.4	37.3
72.5°	27.3	27.8	27.8	27.8	28.2	28.7	29.1	29.6	30.1	30.5	31.4
75°	22.3	22.8	22.3	22.8	23.2	23.2	23.7	24.1	24.6	25.0	25.5
77.5°	17.8	17.3	17.8	17.8	18.2	18.2	18.2	18.7	19.6	19.6	20.5
80°	12.8	12.8	12.8	12.8	13.2	13.2	13.7	13.7	14.6	15.0	15.5
82.5°	8.2	8.2	8.7	8.7	8.7	9.1	9.1	9.6	10.0	10.5	10.9
85°	4.6	4.6	4.6	5.0	5.0	5.5	5.5	5.9	6.4	6.8	7.3
87.5°	1.4	1.8	2.3	2.3	2.7	2.7	3.2	3.2	4.1	4.6	5.0
90°	0.5	0.5	0.9	0.9	0.9	1.4	1.4	1.8	1.8	2.3	2.7
92.5°	7.7	18.2	37.8	56.5	48.7	45.5	27.3	8.2	7.3	7.7	7.7
95°	15.9	30.1	55.1	89.3	115.7	132.1	143.0	164.0	185.4	181.7	135.7
97.5°	23.2	38.7	66.5	97.9	134.4	153.0	167.2	192.2	219.5	242.3	258.7
100°	30.5	46.5	76.1	108.9	142.6	159.4	175.8	210.0	236.8	259.6	281.5
102.5°	38.3	54.2	84.7	118.9	152.1	168.5	184.5	214.5	244.6	271.9	293.3
105°	46.0	62.4	92.5	127.5	160.8	177.2	192.7	221.4	249.1	274.6	299.2
107.5°	54.2	69.7	99.3	134.4	167.6	184.0	199.5	228.2	255.1	280.6	302.9
110°	61.5	76.5	106.1	140.7	174.0	190.4	205.9	234.6	261.0	285.1	307.0



TEST NUMBER: P395659

CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	68.3	82.9	112.5	146.2	179.0	195.4	210.4	239.1	265.5	289.2	311.1
115°	76.1	88.8	118.9	151.2	183.5	199.5	214.5	242.8	269.2	292.4	313.8
117.5°	82.4	94.7	124.3	155.3	187.2	202.7	217.3	245.5	271.5	294.7	315.6
120°	88.8	100.2	129.3	159.0	189.9	205.0	219.5	247.3	273.3	296.0	316.5
122.5°	95.2	105.7	133.4	162.6	192.2	207.2	221.4	248.7	274.2	296.5	316.5
125°	101.1	110.2	137.1	165.3	193.6	208.1	221.8	248.7	273.7	295.6	315.6
127.5°	106.6	115.2	139.8	168.1	194.5	208.6	221.8	247.8	272.8	294.2	313.8
130°	112.0	119.8	142.6	169.4	195.4	208.1	220.9	245.9	270.5	291.9	310.6
132.5°	117.5	124.8	144.8	170.8	195.8	208.1	220.0	244.1	267.8	288.8	306.5
135°	122.5	128.4	147.1	171.7	195.4	207.2	218.2	240.9	263.7	284.2	301.5
137.5°	127.1	132.1	148.9	172.2	194.9	205.9	216.8	237.3	258.7	278.7	295.6
140°	131.2	135.7	149.8	172.2	193.1	204.0	214.1	233.6	253.2	272.4	288.8
142.5°	134.8	138.9	151.2	171.3	191.3	201.8	211.3	230.0	247.8	266.0	281.9
145°	138.5	141.6	152.1	170.8	189.0	198.6	207.7	225.4	242.8	259.2	274.2
147.5°	141.2	144.4	153.0	169.0	186.3	194.9	203.6	220.4	236.4	251.9	265.5
150°	143.9	146.7	153.5	167.2	183.1	190.8	198.6	214.5	230.0	244.1	256.9
152.5°	146.7	148.5	154.9	165.3	179.4	186.7	194.5	208.6	222.7	235.9	248.2
155°	148.5	149.8	155.3	163.5	175.8	182.2	188.6	201.8	214.5	226.8	238.2
157.5°	150.3	151.7	155.8	162.1	171.7	177.6	183.1	194.5	206.3	217.3	227.7
160°	151.7	152.6	155.8	161.2	168.1	172.2	177.2	187.6	197.7	207.2	216.3
162.5°	153.0	153.5	155.8	159.9	164.9	167.6	171.3	179.4	188.6	196.8	205.0
165°	153.9	154.4	155.8	159.0	162.1	164.4	166.2	172.2	179.0	186.3	193.1
167.5°	154.9	154.9	155.8	158.0	159.9	161.2	162.6	165.8	170.3	175.8	180.8
170°	155.3	155.3	155.8	157.1	158.5	159.0	159.9	161.7	164.0	166.7	169.9
172.5°	155.3	155.3	155.3	156.2	156.7	156.7	156.7	157.6	159.0	160.8	162.1
175°	155.3	154.9	154.9	155.3	154.9	154.9	154.9	154.9	155.3	156.2	156.7
177.5°	155.3	154.9	154.4	154.4	153.9	153.9	153.5	153.5	153.5	153.5	153.5
180°	152.6	152.6	152.6	152.6	152.6	152.6	152.6	152.6	152.6	152.6	152.6



TEST NUMBER: P395659

CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	100.7	100.7	100.7	100.7	100.7	100.7	100.7	100.7	100.7	100.7
2.5°	101.1	101.1	100.7	100.2	100.2	100.2	99.7	99.3	98.8	98.8
5°	101.1	101.1	100.7	100.7	100.7	100.7	100.2	100.2	99.7	99.7
7.5°	101.6	101.1	101.1	101.1	101.1	101.1	101.1	101.1	100.7	100.7
10°	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6
12.5°	102.0	102.0	102.0	102.0	102.5	102.5	102.5	102.5	102.5	102.5
15°	102.0	102.5	102.9	102.9	102.9	103.4	103.4	103.4	103.4	103.4
17.5°	102.5	102.9	103.4	103.4	103.8	103.8	104.3	104.3	104.3	104.3
20°	102.5	102.9	103.4	103.8	104.3	104.3	104.8	105.2	105.2	104.8
22.5°	102.0	102.9	103.4	103.8	104.3	104.8	105.2	105.7	105.7	105.7
25°	101.6	102.5	103.4	104.3	104.3	104.8	105.7	105.7	105.7	105.7
27.5°	101.1	102.0	102.9	103.8	104.3	104.8	105.2	105.7	105.7	105.7
30°	100.2	101.6	102.5	103.4	103.8	104.3	104.8	105.2	105.2	105.2
32.5°	98.8	100.2	101.1	102.5	102.9	103.4	103.8	104.3	104.3	104.3
35°	97.5	98.8	99.7	101.1	101.6	102.0	102.9	102.9	103.4	103.4
37.5°	95.2	97.0	97.9	99.3	99.7	100.2	101.1	101.6	101.6	101.6
40°	92.9	94.7	95.6	97.0	97.5	97.9	98.8	99.3	99.7	99.7
42.5°	90.2	92.0	92.9	94.3	94.7	95.2	96.1	96.6	97.0	97.0
45°	87.4	88.8	89.7	91.1	92.0	92.0	92.9	93.4	93.8	93.8
47.5°	83.8	85.2	86.1	87.4	88.4	88.8	89.3	89.7	90.2	90.2
50°	79.7	81.1	82.4	83.3	84.3	84.3	85.2	85.6	86.1	86.1
52.5°	75.6	76.5	77.9	79.2	79.7	80.2	80.6	81.1	81.5	81.5
55°	71.1	72.0	73.3	74.2	74.7	75.1	75.6	76.1	76.5	76.5
57.5°	66.0	67.0	68.3	69.2	69.7	70.1	70.6	71.1	71.5	71.5
60°	60.6	61.5	62.9	63.8	64.2	64.2	65.1	65.6	65.6	65.6
62.5°	55.1	56.0	56.9	57.8	58.3	58.8	59.2	59.7	59.7	59.7
65°	49.6	50.6	51.5	51.9	52.4	52.4	52.8	53.3	53.7	53.7
67.5°	43.7	44.6	45.5	46.0	46.5	46.5	46.9	47.4	47.4	47.4
70°	37.8	38.3	39.2	39.6	40.1	40.1	41.0	41.0	41.0	41.0
72.5°	31.9	32.3	33.2	33.7	34.2	34.2	34.6	35.1	35.1	35.1
75°	26.4	26.9	27.3	28.2	28.2	28.2	28.7	29.1	29.1	29.1
77.5°	21.0	21.4	21.9	22.3	22.8	22.8	23.2	23.7	23.7	23.7
80°	15.9	16.4	16.9	17.3	17.3	17.8	17.8	18.2	18.2	18.2
82.5°	11.4	11.8	12.3	12.8	13.2	13.2	13.7	14.1	14.1	13.7
85°	7.7	8.7	9.1	9.6	9.6	9.6	10.0	10.5	10.5	10.0
87.5°	5.5	5.5	5.9	6.4	6.4	6.8	6.8	7.3	7.3	7.3
90°	3.2	3.2	3.6	3.6	4.1	4.1	4.1	4.6	4.6	4.6
92.5°	7.7	7.7	8.2	8.2	8.2	8.2	8.7	8.7	8.7	8.7
95°	82.9	37.3	31.4	19.1	18.2	15.9	15.5	15.9	15.9	15.5
97.5°	278.3	297.9	310.2	316.1	308.8	301.1	292.4	291.0	279.2	252.8
100°	300.1	315.6	330.7	341.1	345.2	348.9	357.1	362.1	364.4	366.6
102.5°	311.1	327.5	340.7	353.9	359.4	364.4	371.7	377.6	379.8	381.7
105°	320.6	337.5	352.1	363.9	368.9	373.5	380.8	386.2	390.3	390.8
107.5°	322.9	340.7	357.1	371.7	377.6	382.6	391.2	395.3	399.0	399.0
110°	327.0	343.9	358.9	372.1	378.0	383.9	393.1	399.4	403.1	404.0



TEST NUMBER: P395659

CATALOG NUMBER: I3-UL-20L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	330.2	347.5	361.6	374.8	379.8	385.3	394.0	399.9	403.1	404.4
115°	332.9	349.8	363.9	376.2	381.7	387.1	395.8	400.8	404.4	405.8
117.5°	334.8	351.2	365.3	376.7	382.6	387.1	395.3	400.8	404.4	404.9
120°	335.2	351.6	365.3	376.7	381.7	386.7	394.9	400.3	404.0	404.0
122.5°	335.2	351.2	364.8	375.7	380.3	384.9	392.6	399.0	402.2	402.2
125°	333.4	349.3	362.5	373.5	378.0	382.1	390.3	396.2	399.4	399.9
127.5°	330.7	346.1	359.4	370.3	374.8	378.5	387.1	392.6	395.8	396.2
130°	327.0	342.5	355.3	365.7	370.3	374.4	381.7	387.6	391.2	392.1
132.5°	322.9	337.5	350.2	360.3	364.8	368.5	375.7	381.7	384.9	386.2
135°	317.9	331.6	343.9	353.9	358.4	362.1	368.9	374.8	378.0	379.4
137.5°	311.5	324.7	336.6	346.6	350.7	354.3	361.2	366.6	369.4	371.2
140°	304.2	316.5	328.8	337.9	342.0	345.7	351.6	357.5	360.3	361.6
142.5°	296.5	308.8	319.7	328.8	332.5	336.1	342.0	347.5	350.2	350.7
145°	288.3	300.1	310.2	318.8	322.0	325.6	331.1	336.6	339.3	339.8
147.5°	279.2	290.1	299.7	307.9	311.5	314.3	319.3	324.3	327.0	327.5
150°	268.7	278.7	287.4	295.6	298.8	301.5	307.0	311.5	314.3	314.7
152.5°	258.7	268.3	275.5	282.8	286.0	288.8	293.3	297.9	300.6	301.1
155°	248.2	256.9	264.2	270.1	272.8	275.5	279.2	283.3	285.6	286.0
157.5°	237.3	245.5	251.9	257.3	260.1	262.3	265.5	269.2	270.5	271.5
160°	225.4	232.3	237.7	243.2	245.5	247.8	251.0	253.7	255.5	256.0
162.5°	212.7	218.6	223.2	228.2	229.5	231.4	234.6	237.3	238.7	239.1
165°	199.5	205.0	209.1	213.2	214.1	215.4	217.7	220.4	221.4	222.3
167.5°	186.3	190.8	193.6	197.2	198.6	199.5	201.8	203.6	204.5	205.0
170°	173.5	176.7	179.0	181.7	182.2	183.5	184.9	186.7	187.2	187.2
172.5°	163.5	164.9	166.2	167.2	167.6	168.1	169.0	169.4	169.4	169.4
175°	157.1	158.0	158.0	158.5	158.5	158.5	158.5	158.5	158.5	158.5
177.5°	153.5	153.5	153.5	153.0	153.0	153.0	153.0	152.6	152.6	152.6
180°	152.6	152.6	152.6	152.6	152.6	152.6	152.6	152.6	152.6	152.6

(END OF REPORT)