

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: P395347

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

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395347
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-CL-20L92765-1D-UNV-W2A-W-4 (2700K)
Description: CORELITE I3, CLEAR TOP COVER
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: 1693.3 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

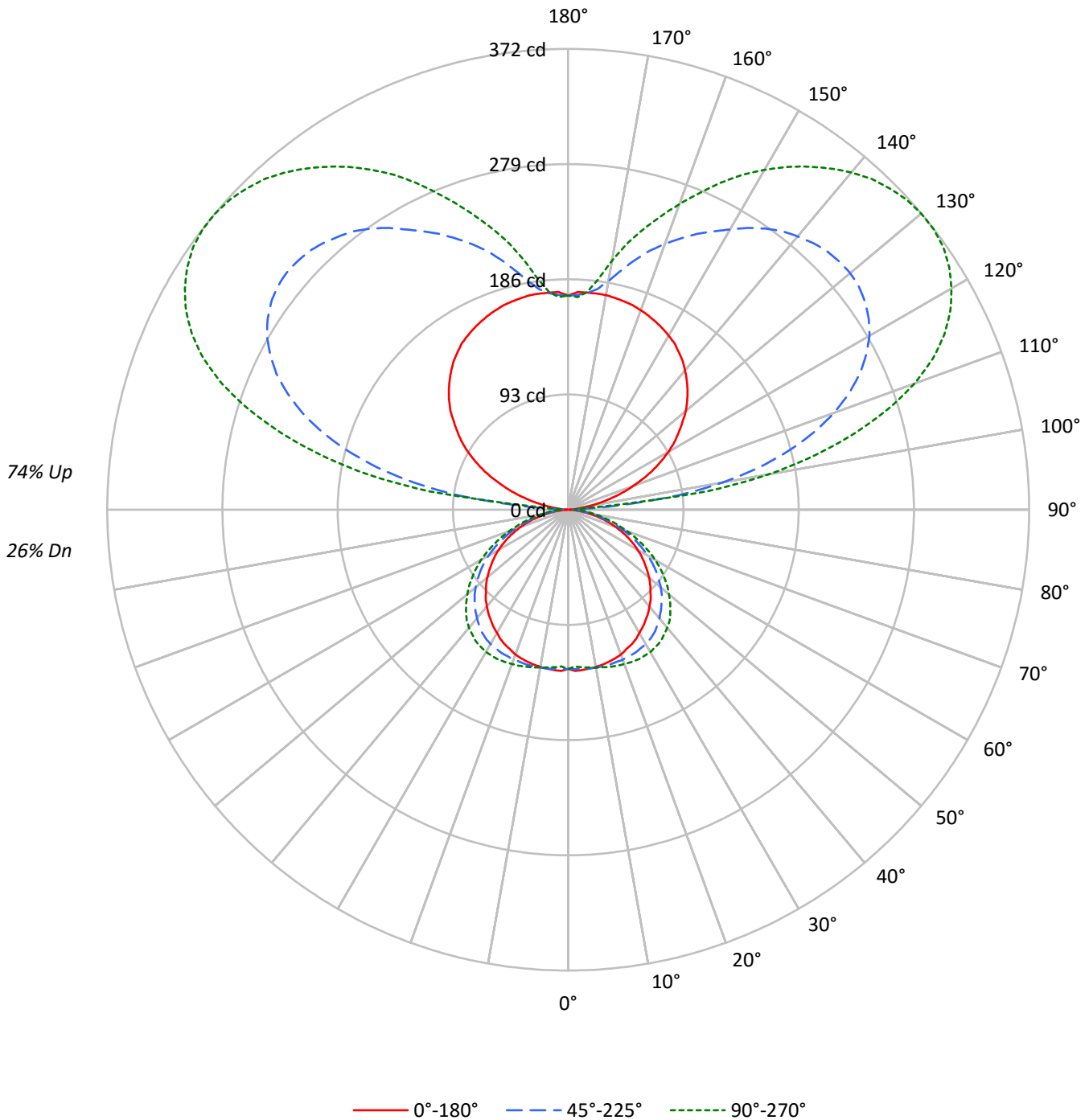
Input Watts (W): 16.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P395347

CATALOG NUMBER: I3-CL-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	0
RCR																		
0	101	101	101	101	91	91	91	91	70	70	70	51	51	51	34	34	34	26
1	92	88	84	81	82	79	75	73	61	59	57	45	43	42	30	29	28	22
2	84	77	71	65	74	68	63	59	53	50	47	39	37	35	26	25	24	18
3	76	67	60	54	68	60	54	49	47	42	39	34	32	29	23	21	20	15
4	70	59	51	45	62	53	46	41	41	37	33	30	27	25	20	18	17	13
5	64	52	44	39	56	47	40	35	37	32	28	27	24	21	18	16	15	11
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	13	9
7	54	42	34	29	48	38	31	26	30	25	21	22	19	16	15	13	11	8
8	50	38	30	25	44	34	27	23	27	22	18	20	17	14	14	11	10	7
9	46	34	27	22	41	31	25	20	24	20	16	18	15	13	12	10	9	6
10	43	31	24	20	38	28	22	18	22	18	15	17	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	706	706	706
5°	714	695	684
10°	714	690	682
15°	715	687	685
20°	717	687	692
25°	715	689	701
30°	711	689	706
35°	710	686	707
40°	707	671	697
45°	700	655	680
50°	693	633	650
55°	679	602	612
60°	662	559	565
65°	635	502	501
70°	590	427	424
75°	509	340	341
80°	395	241	250
85°	233	150	168



TEST NUMBER: P395347

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.3	0.7
10°-20°	36.5	2.2
20°-30°	58.6	3.5
30°-40°	74.9	4.4
40°-50°	81.7	4.8
50°-60°	76.5	4.5
60°-70°	59.4	3.5
70°-80°	34.0	2.0
80°-90°	10.9	0.6
90°-100°	43.7	2.6
100°-110°	169.8	10.0
110°-120°	231.1	13.6
120°-130°	239.9	14.2
130°-140°	212.8	12.6
140°-150°	165.1	9.8
150°-160°	110.2	6.5
160°-170°	58.7	3.5
170°-180°	17.2	1.0
0°-30°	107.4	6.3
0°-40°	182.3	10.8
0°-60°	340.5	20.1
0°-90°	444.7	26.3
90°-120°	444.6	26.3
90°-150°	1062.4	62.7
90°-180°	1249.0	73.8
0°-180°	1693.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	128	128	128	128	128	
5°	130	128	129	128	128	12
15°	127	127	129	131	131	36
25°	120	121	128	132	134	55
35°	109	111	121	128	130	68
45°	94	98	107	114	117	73
55°	75	79	87	92	94	67
65°	53	56	61	65	66	53
75°	28	29	32	35	36	30
85°	6	6	10	12	13	7
90°	0	1	3	5	6	1
95°	6	31	42	9	8	7
105°	36	109	184	219	240	38
115°	75	168	260	305	335	74
125°	109	198	292	344	370	97
135°	136	209	295	346	367	105
145°	155	209	277	322	338	97
155°	167	197	246	278	291	77
165°	174	181	209	228	234	49
175°	176	175	175	176	176	17
180°	173	173	173	173	173	



TEST NUMBER: P395347

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	128.5	128.5	128.5	128.5	128.5	128.5	128.5	128.5	128.5	128.5	128.5
2.5°	130.3	129.9	129.9	128.9	128.9	128.5	128.5	128.5	128.5	128.5	128.9
5°	129.9	129.9	129.4	128.9	128.9	128.5	128.5	128.5	128.5	128.5	128.9
7.5°	129.4	129.4	128.9	128.5	128.5	128.5	128.5	128.5	128.5	128.5	129.4
10°	128.9	128.9	128.5	128.0	128.0	128.0	128.0	128.5	128.5	128.5	129.4
12.5°	128.0	127.6	127.6	127.1	127.1	127.1	127.6	127.6	128.0	128.5	129.4
15°	127.1	127.1	126.7	126.2	126.7	126.7	126.7	127.1	127.6	128.0	129.4
17.5°	125.8	125.8	125.3	125.3	125.3	125.8	125.8	126.2	127.1	128.0	128.9
20°	124.4	123.9	123.9	123.9	124.4	124.4	124.8	125.8	126.2	127.6	128.9
22.5°	122.1	122.6	122.1	122.1	122.6	123.0	123.5	124.4	125.3	126.7	128.0
25°	120.3	120.3	120.3	120.3	121.2	121.2	122.1	123.0	124.4	125.8	127.6
27.5°	118.0	118.0	118.0	118.5	118.9	119.4	119.8	121.2	122.6	124.4	126.2
30°	114.8	114.8	114.8	114.8	116.2	116.6	117.6	119.4	120.7	123.0	125.3
32.5°	112.1	112.1	112.1	112.5	113.5	113.9	114.8	117.1	118.9	121.2	123.5
35°	108.9	108.9	109.4	109.4	110.7	111.2	112.1	113.9	115.7	118.5	121.2
37.5°	105.7	105.7	106.2	106.6	107.5	108.4	109.4	111.2	113.0	115.3	118.0
40°	102.1	102.1	102.5	103.0	104.3	105.3	106.2	108.0	109.8	112.1	114.4
42.5°	98.4	98.4	98.9	99.3	100.7	101.6	102.5	104.8	106.6	108.9	110.7
45°	93.9	94.3	94.8	95.7	97.1	98.0	98.9	100.7	103.0	104.8	106.6
47.5°	89.8	90.2	90.7	91.6	93.0	93.9	94.8	96.6	98.4	100.2	102.5
50°	85.2	85.7	86.1	87.0	88.4	89.3	90.2	92.0	93.9	95.2	97.5
52.5°	80.2	80.7	81.1	82.0	83.8	84.3	85.2	87.0	88.4	90.2	92.0
55°	75.2	75.6	76.1	77.0	78.4	79.3	79.7	81.6	82.9	84.8	86.6
57.5°	70.2	70.6	71.1	72.0	72.9	73.8	74.3	75.6	77.5	78.8	80.7
60°	64.7	65.2	65.6	66.1	67.4	67.9	68.3	69.7	71.1	72.9	74.3
62.5°	59.2	59.2	59.7	60.1	61.5	62.0	62.4	63.3	65.2	66.1	67.4
65°	53.3	53.3	53.8	54.2	55.1	55.6	56.0	57.0	58.3	59.2	60.6
67.5°	46.9	46.9	47.4	47.8	48.8	49.2	49.2	50.6	51.5	52.4	53.3
70°	41.0	41.0	41.5	41.5	41.9	42.4	42.8	43.7	44.2	45.6	46.0
72.5°	34.6	34.6	34.6	34.6	35.5	35.5	36.0	36.9	37.4	38.3	39.2
75°	27.8	27.8	28.3	28.3	28.7	29.2	29.6	30.1	31.0	31.4	31.9
77.5°	21.9	21.4	21.9	22.3	22.8	22.8	23.2	23.7	24.1	25.1	25.5
80°	15.5	15.5	15.5	15.9	16.4	16.4	16.9	17.3	17.8	18.7	19.1
82.5°	10.0	10.0	10.5	10.5	10.9	11.4	11.4	11.8	12.3	13.2	13.7
85°	5.5	5.5	5.5	5.9	6.4	6.4	6.8	7.3	8.2	8.7	9.6
87.5°	1.8	1.8	2.3	2.7	3.2	3.2	3.6	4.1	4.6	5.5	5.9
90°	0.5	0.5	0.5	0.9	0.9	1.4	1.4	1.8	2.3	2.7	3.2
92.5°	1.8	3.2	5.0	7.3	6.8	7.3	5.0	3.2	3.2	3.2	3.6
95°	5.5	8.2	13.2	21.0	27.3	31.0	34.2	37.4	43.7	44.2	42.4
97.5°	10.9	15.0	24.1	34.2	45.6	51.5	56.0	65.6	75.6	82.0	89.8
100°	18.2	24.1	36.0	49.7	62.9	70.6	77.9	91.6	103.9	114.8	126.7
102.5°	26.9	33.7	48.3	65.2	81.6	90.2	98.0	113.9	130.8	145.4	158.1
105°	36.0	43.7	61.1	80.2	98.9	108.9	118.5	135.8	153.6	169.5	184.5
107.5°	46.0	54.2	72.9	94.3	115.3	126.7	137.2	155.8	174.5	191.8	207.8
110°	55.6	64.7	84.3	107.5	131.2	142.6	153.1	173.6	193.2	211.4	228.3



TEST NUMBER: P395347

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

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	65.6	75.2	94.8	120.3	144.4	156.3	167.2	189.1	209.6	228.3	245.1
115°	75.2	84.3	104.8	131.2	155.8	168.1	180.0	202.3	223.7	242.4	259.7
117.5°	84.3	93.0	113.9	140.3	165.9	178.2	190.0	213.2	234.7	254.3	271.1
120°	93.4	101.2	123.9	148.1	174.1	186.4	198.7	221.9	243.8	263.4	280.7
122.5°	101.6	108.9	131.2	154.9	180.4	193.2	205.0	228.7	251.1	270.7	287.5
125°	108.9	115.7	138.1	160.4	185.9	198.2	210.5	233.7	256.1	275.2	292.5
127.5°	116.2	123.0	143.1	165.9	189.6	202.3	214.2	237.4	259.3	278.9	295.7
130°	123.9	128.9	148.1	170.9	193.2	205.0	217.3	239.7	261.1	280.2	297.1
132.5°	130.3	134.9	153.1	175.0	195.9	207.3	218.3	240.6	262.0	280.2	296.6
135°	136.2	139.9	156.7	178.6	198.2	208.7	219.2	240.1	261.1	279.3	295.3
137.5°	141.7	145.4	159.9	181.3	200.0	209.1	219.2	238.8	258.8	277.0	292.1
140°	146.7	149.5	162.7	182.7	200.9	209.6	218.3	236.5	255.2	272.9	288.0
142.5°	151.7	154.0	164.9	183.6	201.4	209.6	217.8	233.7	251.1	268.4	283.4
145°	155.4	157.7	166.8	184.1	200.9	208.7	216.0	231.0	246.5	262.5	277.0
147.5°	159.5	161.3	168.6	183.2	199.6	206.9	213.7	227.4	241.5	256.1	269.7
150°	162.2	164.0	169.5	182.3	197.3	204.1	211.0	223.7	236.5	249.2	261.1
152.5°	164.9	166.3	170.9	180.9	194.6	200.9	207.3	219.6	231.5	242.9	253.3
155°	167.2	168.6	171.8	180.0	191.4	197.3	203.2	215.1	226.0	236.0	245.6
157.5°	169.5	170.4	172.7	178.6	187.7	193.2	198.7	209.1	219.2	229.2	236.9
160°	171.3	171.8	173.6	178.2	184.5	188.6	193.7	203.2	212.3	221.0	228.3
162.5°	173.1	173.1	174.5	177.2	181.8	184.5	188.2	196.4	204.6	212.3	219.2
165°	174.1	174.1	175.0	176.8	179.5	181.3	183.6	189.1	195.5	202.3	208.7
167.5°	175.0	175.0	175.4	176.3	178.2	179.1	180.0	183.6	187.7	192.7	197.8
170°	175.9	175.4	175.4	176.3	176.8	177.2	177.7	179.5	181.3	184.5	187.3
172.5°	175.9	175.4	175.4	175.9	175.9	175.9	175.9	176.3	176.8	178.6	179.5
175°	175.9	175.4	175.4	175.4	175.4	175.0	175.0	175.0	175.0	175.0	175.4
177.5°	175.9	175.4	175.0	175.0	174.5	174.5	174.1	174.1	173.6	173.6	173.6
180°	172.7	172.7	172.7	172.7	172.7	172.7	172.7	172.7	172.7	172.7	172.7



TEST NUMBER: P395347

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

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	128.5	128.5	128.5	128.5	128.5	128.5	128.5	128.5	128.5	128.5
2.5°	128.9	128.9	128.5	128.5	128.0	128.0	127.6	127.1	126.7	126.7
5°	129.4	128.9	128.5	128.5	128.5	128.0	128.0	128.0	127.6	127.6
7.5°	129.4	129.4	129.4	128.9	128.9	128.9	128.9	128.9	128.5	128.5
10°	129.9	129.9	129.9	129.9	129.9	129.9	129.9	129.4	129.4	129.4
12.5°	129.9	129.9	129.9	130.3	130.3	130.3	130.3	130.3	130.3	130.3
15°	130.3	130.3	130.8	130.8	131.2	131.2	131.7	131.7	131.7	131.2
17.5°	129.9	130.3	130.8	131.2	131.7	131.7	132.1	132.1	132.1	132.1
20°	129.9	130.8	131.2	131.7	132.1	132.1	132.6	133.1	133.1	132.6
22.5°	129.4	130.3	130.8	131.7	132.1	132.1	133.1	133.1	133.1	133.1
25°	128.9	129.9	130.8	131.7	132.1	132.1	133.1	133.1	133.5	133.5
27.5°	128.0	128.9	130.3	131.2	131.7	132.1	132.6	133.1	133.1	133.1
30°	126.7	128.0	129.4	130.3	130.8	131.2	131.7	132.1	132.6	132.6
32.5°	124.8	126.2	127.6	128.9	129.4	129.9	130.8	131.2	131.2	131.2
35°	123.0	124.4	125.8	127.1	127.6	128.0	128.9	129.4	129.9	129.9
37.5°	120.3	121.7	123.0	124.4	124.8	125.8	126.7	127.1	127.1	127.1
40°	116.2	118.5	120.3	121.7	122.1	123.0	123.5	124.4	124.4	124.4
42.5°	112.5	114.4	115.7	117.6	118.0	119.4	120.3	120.7	121.2	121.2
45°	108.4	110.3	111.6	113.0	113.5	114.4	115.3	115.7	116.2	116.6
47.5°	104.3	105.7	107.1	108.4	108.9	109.8	110.7	111.2	111.6	111.6
50°	99.3	100.7	102.1	103.4	103.9	104.8	105.3	105.7	106.2	106.2
52.5°	93.9	95.2	96.6	98.0	98.4	98.9	99.8	100.2	100.7	100.7
55°	88.4	89.8	90.7	92.0	92.5	93.0	93.4	94.3	94.8	94.3
57.5°	82.0	83.4	84.3	85.7	86.1	86.6	87.0	87.5	87.9	87.9
60°	75.2	76.5	77.9	78.8	79.3	79.7	80.2	80.7	81.1	81.1
62.5°	68.3	69.7	70.6	72.0	72.4	72.4	72.9	73.4	73.8	73.8
65°	61.5	62.9	63.3	64.7	64.7	65.2	65.6	66.1	66.1	66.1
67.5°	54.2	55.6	56.0	57.0	57.0	57.4	57.9	58.3	58.3	58.3
70°	47.4	47.8	48.8	49.2	49.7	49.7	50.1	50.6	51.0	50.6
72.5°	40.1	40.6	41.5	41.9	41.9	42.4	42.4	42.8	43.3	43.3
75°	32.8	33.7	34.2	34.6	35.1	35.1	35.5	36.0	36.0	36.0
77.5°	26.0	26.9	27.3	27.8	28.3	28.3	28.7	28.7	29.2	28.7
80°	20.0	20.5	21.0	21.4	21.9	21.9	22.3	22.8	22.8	22.8
82.5°	14.6	15.0	15.9	16.4	16.4	16.4	17.3	17.3	17.8	17.3
85°	10.0	10.5	11.4	11.8	12.3	12.3	12.3	12.8	13.2	12.8
87.5°	6.4	7.3	7.7	8.2	8.2	8.2	8.7	9.1	9.1	9.1
90°	3.6	3.6	4.1	4.6	4.6	5.0	5.0	5.5	5.5	5.5
92.5°	3.6	4.1	4.1	4.1	4.6	4.6	4.6	5.0	5.0	5.0
95°	31.0	22.3	12.8	10.0	8.7	8.7	8.2	8.7	8.2	8.2
97.5°	93.9	101.6	105.3	110.3	113.0	112.5	110.7	112.5	111.2	112.5
100°	133.5	140.8	146.3	147.6	150.4	151.7	156.7	160.4	162.2	164.5
102.5°	165.9	174.5	180.9	184.5	187.3	189.1	195.0	200.5	203.2	205.0
105°	195.5	204.6	212.3	216.0	219.2	221.0	227.4	233.7	237.9	240.1
107.5°	219.2	229.6	237.9	243.3	246.5	249.7	257.4	263.8	268.8	271.1
110°	240.6	251.1	259.7	266.1	269.7	272.9	281.6	288.9	294.4	297.1



TEST NUMBER: P395347

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

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	258.4	269.7	278.4	285.2	288.9	293.4	301.6	309.8	315.3	318.5
115°	272.9	284.8	293.9	301.2	305.3	309.4	319.0	327.2	332.6	334.9
117.5°	285.2	297.1	306.7	313.9	318.5	323.1	332.6	339.9	345.8	347.7
120°	295.3	307.1	316.7	324.9	329.4	333.5	342.6	350.4	355.9	357.2
122.5°	302.1	314.4	324.4	333.5	337.6	341.7	350.4	358.1	363.2	364.5
125°	307.1	319.9	329.9	339.5	343.6	347.7	355.9	363.6	367.7	369.5
127.5°	310.3	323.1	334.0	343.1	347.7	351.3	359.5	366.3	370.4	371.8
130°	311.2	324.4	335.4	344.9	349.0	352.7	360.4	367.3	370.9	371.8
132.5°	311.2	324.0	335.4	344.5	348.6	352.2	359.5	365.9	369.5	370.4
135°	309.4	321.7	333.1	342.2	346.3	349.9	357.2	362.7	366.3	366.8
137.5°	306.2	318.0	329.0	338.1	342.2	345.8	352.2	358.1	361.3	362.2
140°	302.1	313.0	324.0	332.6	336.7	339.9	346.3	351.3	354.5	355.4
142.5°	296.6	307.6	317.6	326.2	329.4	333.1	338.5	343.6	346.3	347.2
145°	290.7	301.2	310.3	318.0	321.7	324.9	329.9	334.4	337.2	338.1
147.5°	283.0	293.4	302.1	309.4	312.6	315.8	320.3	324.4	327.2	328.1
150°	273.4	283.0	292.1	298.9	302.1	305.3	309.8	313.5	316.2	316.7
152.5°	263.8	272.9	280.7	287.5	290.7	293.9	298.0	301.6	304.8	304.8
155°	254.7	262.5	269.7	275.7	278.4	281.1	285.2	288.4	291.2	291.2
157.5°	245.1	252.4	258.4	263.8	266.1	268.4	272.0	274.8	277.0	276.6
160°	236.0	241.5	247.0	251.5	253.8	255.6	258.4	260.6	262.9	262.5
162.5°	226.0	231.0	235.6	238.8	240.6	242.0	244.7	247.0	248.3	248.3
165°	214.6	219.2	223.3	226.5	228.3	229.2	231.5	232.8	234.2	234.2
167.5°	202.8	206.4	210.1	212.8	214.6	215.5	217.8	218.7	220.5	220.1
170°	190.9	193.7	196.4	198.7	199.6	200.5	202.3	203.2	204.1	204.1
172.5°	181.3	182.3	183.6	185.5	185.5	185.9	186.8	187.3	187.7	187.7
175°	175.9	176.3	176.3	176.3	176.3	176.3	176.8	176.3	176.8	176.3
177.5°	173.6	173.6	173.1	173.1	172.7	173.1	172.7	172.2	172.2	171.8
180°	172.7	172.7	172.7	172.7	172.7	172.7	172.7	172.7	172.7	172.7

(END OF REPORT)