

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: P395348

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

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395348
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 (3000K)
Description: CORELITE I3, CLEAR TOP COVER
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: 1760.2 lumens
Efficiency: N/A
Efficacy: 109.3 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

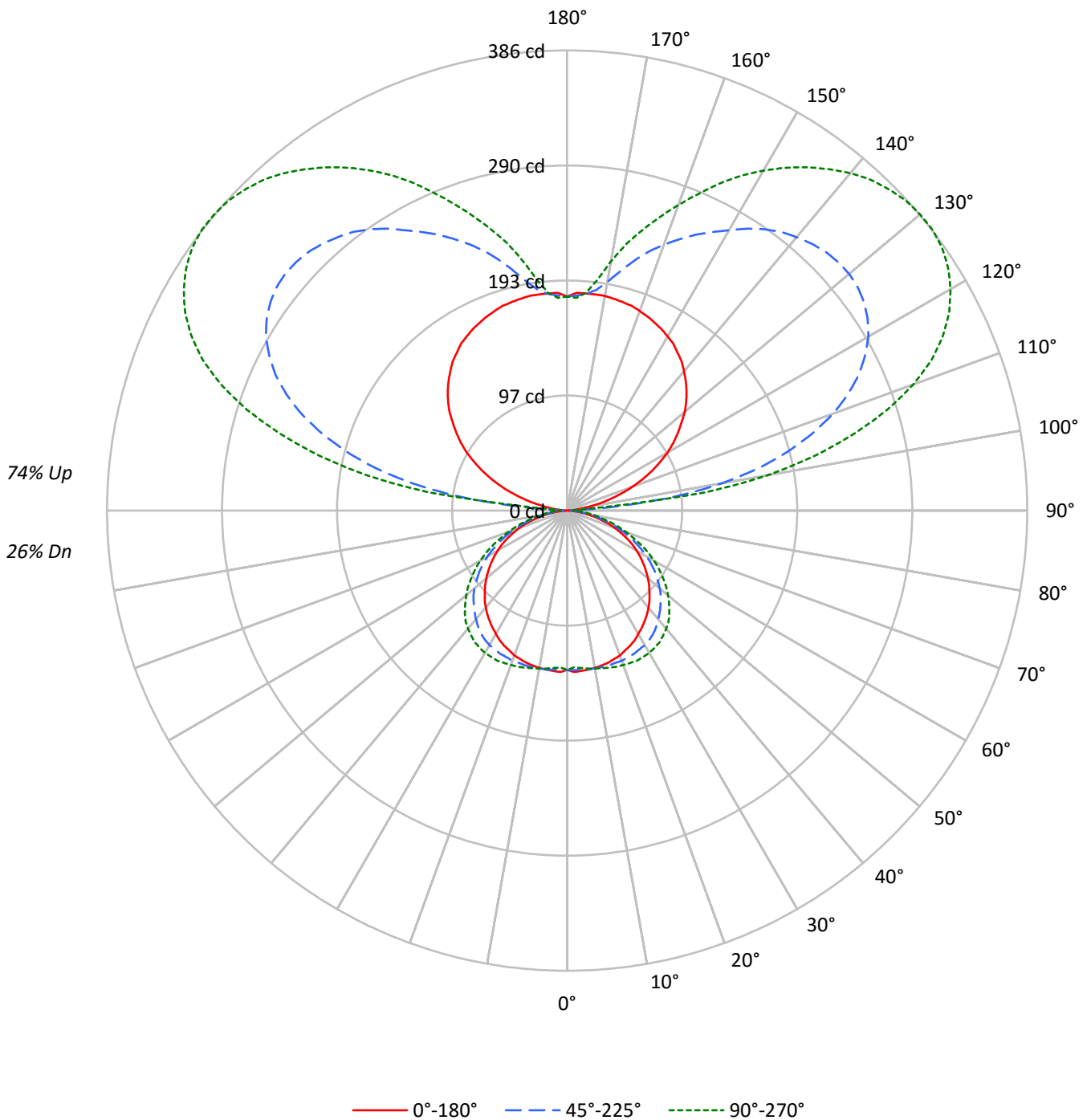
Input Watts (W): 16.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

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	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°	734	734	734
5°	742	723	711
10°	742	717	709
15°	744	714	713
20°	745	715	719
25°	743	715	729
30°	740	717	733
35°	738	713	734
40°	735	698	725
45°	728	680	707
50°	721	658	676
55°	706	625	636
60°	689	581	588
65°	660	522	521
70°	613	444	441
75°	530	354	354
80°	411	251	260
85°	242	155	174



TEST NUMBER: P395348

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	0.7
10°-20°	38.0	2.2
20°-30°	60.9	3.5
30°-40°	77.9	4.4
40°-50°	84.9	4.8
50°-60°	79.5	4.5
60°-70°	61.7	3.5
70°-80°	35.4	2.0
80°-90°	11.3	0.6
90°-100°	45.4	2.6
100°-110°	176.5	10.0
110°-120°	240.3	13.6
120°-130°	249.4	14.2
130°-140°	221.2	12.6
140°-150°	171.7	9.8
150°-160°	114.6	6.5
160°-170°	61.1	3.5
170°-180°	17.9	1.0
0°-30°	111.6	6.3
0°-40°	189.5	10.8
0°-60°	353.9	20.1
0°-90°	462.3	26.3
90°-120°	462.1	26.3
90°-150°	1104.4	62.7
90°-180°	1298.0	73.7
0°-180°	1760.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	134	134	134	134	134	
5°	135	134	134	134	133	13
15°	132	132	134	136	136	37
25°	125	126	133	137	139	58
35°	113	116	126	133	135	71
45°	98	102	111	118	121	75
55°	78	82	90	96	98	70
65°	55	58	63	67	69	55
75°	29	30	33	36	37	31
85°	6	7	10	13	13	7
90°	0	1	3	5	6	1
95°	6	32	44	9	8	7
105°	37	113	192	228	250	40
115°	78	175	270	317	348	77
125°	113	206	304	357	384	101
135°	142	217	307	360	381	109
145°	162	217	288	334	352	101
155°	174	205	255	289	303	80
165°	181	188	217	237	244	51
175°	183	182	182	183	183	17
180°	180	180	180	180	180	



TEST NUMBER: P395348

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	133.6	133.6	133.6	133.6	133.6	133.6	133.6	133.6	133.6	133.6	133.6
2.5°	135.5	135.0	135.0	134.0	134.0	133.6	133.6	133.6	133.6	133.6	134.0
5°	135.0	135.0	134.5	134.0	134.0	133.6	133.6	133.6	133.6	133.6	134.0
7.5°	134.5	134.5	134.0	133.6	133.6	133.6	133.6	133.6	133.6	133.6	134.5
10°	134.0	134.0	133.6	133.1	133.1	133.1	133.1	133.6	133.6	133.6	134.5
12.5°	133.1	132.6	132.6	132.2	132.2	132.2	132.6	132.6	133.1	133.6	134.5
15°	132.2	132.2	131.7	131.2	131.7	131.7	131.7	132.2	132.6	133.1	134.5
17.5°	130.7	130.7	130.3	130.3	130.3	130.7	130.7	131.2	132.2	133.1	134.0
20°	129.3	128.8	128.8	128.8	129.3	129.3	129.8	130.7	131.2	132.6	134.0
22.5°	126.9	127.4	126.9	126.9	127.4	127.9	128.4	129.3	130.3	131.7	133.1
25°	125.0	125.0	125.0	125.0	126.0	126.0	126.9	127.9	129.3	130.7	132.6
27.5°	122.7	122.7	122.7	123.2	123.6	124.1	124.6	126.0	127.4	129.3	131.2
30°	119.4	119.4	119.4	119.4	120.8	121.3	122.2	124.1	125.5	127.9	130.3
32.5°	116.5	116.5	116.5	117.0	117.9	118.4	119.4	121.7	123.6	126.0	128.4
35°	113.2	113.2	113.7	113.7	115.1	115.6	116.5	118.4	120.3	123.2	126.0
37.5°	109.9	109.9	110.4	110.8	111.8	112.7	113.7	115.6	117.5	119.8	122.7
40°	106.1	106.1	106.6	107.0	108.5	109.4	110.4	112.3	114.2	116.5	118.9
42.5°	102.3	102.3	102.8	103.3	104.7	105.6	106.6	108.9	110.8	113.2	115.1
45°	97.6	98.0	98.5	99.5	100.9	101.8	102.8	104.7	107.0	108.9	110.8
47.5°	93.3	93.8	94.3	95.2	96.6	97.6	98.5	100.4	102.3	104.2	106.6
50°	88.6	89.0	89.5	90.5	91.9	92.8	93.8	95.7	97.6	99.0	101.4
52.5°	83.4	83.8	84.3	85.3	87.2	87.6	88.6	90.5	91.9	93.8	95.7
55°	78.2	78.6	79.1	80.0	81.5	82.4	82.9	84.8	86.2	88.1	90.0
57.5°	72.9	73.4	73.9	74.8	75.8	76.7	77.2	78.6	80.5	81.9	83.8
60°	67.3	67.7	68.2	68.7	70.1	70.6	71.1	72.5	73.9	75.8	77.2
62.5°	61.6	61.6	62.1	62.5	63.9	64.4	64.9	65.8	67.7	68.7	70.1
65°	55.4	55.4	55.9	56.4	57.3	57.8	58.3	59.2	60.6	61.6	63.0
67.5°	48.8	48.8	49.3	49.7	50.7	51.2	51.2	52.6	53.5	54.5	55.4
70°	42.6	42.6	43.1	43.1	43.6	44.1	44.5	45.5	45.9	47.4	47.8
72.5°	36.0	36.0	36.0	36.0	36.9	36.9	37.4	38.4	38.8	39.8	40.7
75°	28.9	28.9	29.4	29.4	29.8	30.3	30.8	31.3	32.2	32.7	33.2
77.5°	22.7	22.3	22.7	23.2	23.7	23.7	24.2	24.6	25.1	26.1	26.5
80°	16.1	16.1	16.1	16.6	17.1	17.1	17.5	18.0	18.5	19.4	19.9
82.5°	10.4	10.4	10.9	10.9	11.4	11.8	11.8	12.3	12.8	13.7	14.2
85°	5.7	5.7	5.7	6.2	6.6	6.6	7.1	7.6	8.5	9.0	9.9
87.5°	1.9	1.9	2.4	2.8	3.3	3.3	3.8	4.3	4.7	5.7	6.2
90°	0.5	0.5	0.5	0.9	0.9	1.4	1.4	1.9	2.4	2.8	3.3
92.5°	1.9	3.3	5.2	7.6	7.1	7.6	5.2	3.3	3.3	3.3	3.8
95°	5.7	8.5	13.7	21.8	28.4	32.2	35.5	38.8	45.5	45.9	44.1
97.5°	11.4	15.6	25.1	35.5	47.4	53.5	58.3	68.2	78.6	85.3	93.3
100°	18.9	25.1	37.4	51.6	65.4	73.4	81.0	95.2	108.0	119.4	131.7
102.5°	27.9	35.1	50.2	67.7	84.8	93.8	101.8	118.4	135.9	151.1	164.4
105°	37.4	45.5	63.5	83.4	102.8	113.2	123.2	141.2	159.6	176.2	191.8
107.5°	47.8	56.4	75.8	98.0	119.8	131.7	142.6	162.0	181.4	199.4	216.0
110°	57.8	67.3	87.6	111.8	136.4	148.3	159.2	180.5	200.8	219.8	237.3



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

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	68.2	78.2	98.5	125.0	150.2	162.5	173.8	196.6	217.9	237.3	254.8
115°	78.2	87.6	108.9	136.4	162.0	174.8	187.1	210.3	232.6	252.0	270.0
117.5°	87.6	96.6	118.4	145.9	172.4	185.2	197.5	221.7	243.9	264.3	281.8
120°	97.1	105.2	128.8	153.9	180.9	193.7	206.5	230.7	253.4	273.8	291.8
122.5°	105.6	113.2	136.4	161.0	187.6	200.8	213.2	237.8	261.0	281.4	298.9
125°	113.2	120.3	143.5	166.7	193.3	206.0	218.8	243.0	266.2	286.1	304.1
127.5°	120.8	127.9	148.7	172.4	197.0	210.3	222.6	246.8	269.5	289.9	307.4
130°	128.8	134.0	153.9	177.6	200.8	213.2	225.9	249.1	271.4	291.3	308.8
132.5°	135.5	140.2	159.2	181.9	203.7	215.5	226.9	250.1	272.4	291.3	308.4
135°	141.6	145.4	162.9	185.7	206.0	216.9	227.8	249.6	271.4	290.4	306.9
137.5°	147.3	151.1	166.3	188.5	207.9	217.4	227.8	248.2	269.0	288.0	303.6
140°	152.5	155.4	169.1	189.9	208.9	217.9	226.9	245.8	265.3	283.7	299.4
142.5°	157.7	160.1	171.5	190.9	209.4	217.9	226.4	243.0	261.0	279.0	294.6
145°	161.5	163.9	173.4	191.4	208.9	216.9	224.5	240.1	256.3	272.8	288.0
147.5°	165.8	167.7	175.3	190.4	207.5	215.0	222.2	236.4	251.0	266.2	280.4
150°	168.6	170.5	176.2	189.5	205.1	212.2	219.3	232.6	245.8	259.1	271.4
152.5°	171.5	172.9	177.6	188.0	202.3	208.9	215.5	228.3	240.6	252.5	263.4
155°	173.8	175.3	178.6	187.1	198.9	205.1	211.3	223.6	234.9	245.4	255.3
157.5°	176.2	177.2	179.5	185.7	195.2	200.8	206.5	217.4	227.8	238.3	246.3
160°	178.1	178.6	180.5	185.2	191.8	196.1	201.3	211.3	220.7	229.7	237.3
162.5°	180.0	180.0	181.4	184.3	189.0	191.8	195.6	204.2	212.7	220.7	227.8
165°	180.9	180.9	181.9	183.8	186.6	188.5	190.9	196.6	203.2	210.3	216.9
167.5°	181.9	181.9	182.4	183.3	185.2	186.2	187.1	190.9	195.2	200.4	205.6
170°	182.8	182.4	182.4	183.3	183.8	184.3	184.7	186.6	188.5	191.8	194.7
172.5°	182.8	182.4	182.4	182.8	182.8	182.8	182.8	183.3	183.8	185.7	186.6
175°	182.8	182.4	182.4	182.4	182.4	181.9	181.9	181.9	181.9	181.9	182.4
177.5°	182.8	182.4	181.9	181.9	181.4	181.4	180.9	180.9	180.5	180.5	180.5
180°	179.5	179.5	179.5	179.5	179.5	179.5	179.5	179.5	179.5	179.5	179.5



TEST NUMBER: P395348

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

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	133.6	133.6	133.6	133.6	133.6	133.6	133.6	133.6	133.6	133.6
2.5°	134.0	134.0	133.6	133.6	133.1	133.1	132.6	132.2	131.7	131.7
5°	134.5	134.0	133.6	133.6	133.6	133.1	133.1	133.1	132.6	132.6
7.5°	134.5	134.5	134.5	134.0	134.0	134.0	134.0	134.0	133.6	133.6
10°	135.0	135.0	135.0	135.0	135.0	135.0	135.0	134.5	134.5	134.5
12.5°	135.0	135.0	135.0	135.5	135.5	135.5	135.5	135.5	135.5	135.5
15°	135.5	135.5	135.9	135.9	136.4	136.4	136.9	136.9	136.9	136.4
17.5°	135.0	135.5	135.9	136.4	136.9	136.9	137.4	137.4	137.4	137.4
20°	135.0	135.9	136.4	136.9	137.4	137.4	137.8	138.3	138.3	137.8
22.5°	134.5	135.5	135.9	136.9	137.4	137.4	138.3	138.3	138.3	138.3
25°	134.0	135.0	135.9	136.9	137.4	137.4	138.3	138.3	138.8	138.8
27.5°	133.1	134.0	135.5	136.4	136.9	137.4	137.8	138.3	138.3	138.3
30°	131.7	133.1	134.5	135.5	135.9	136.4	136.9	137.4	137.8	137.8
32.5°	129.8	131.2	132.6	134.0	134.5	135.0	135.9	136.4	136.4	136.4
35°	127.9	129.3	130.7	132.2	132.6	133.1	134.0	134.5	135.0	135.0
37.5°	125.0	126.5	127.9	129.3	129.8	130.7	131.7	132.2	132.2	132.2
40°	120.8	123.2	125.0	126.5	126.9	127.9	128.4	129.3	129.3	129.3
42.5°	117.0	118.9	120.3	122.2	122.7	124.1	125.0	125.5	126.0	126.0
45°	112.7	114.6	116.0	117.5	117.9	118.9	119.8	120.3	120.8	121.3
47.5°	108.5	109.9	111.3	112.7	113.2	114.2	115.1	115.6	116.0	116.0
50°	103.3	104.7	106.1	107.5	108.0	108.9	109.4	109.9	110.4	110.4
52.5°	97.6	99.0	100.4	101.8	102.3	102.8	103.7	104.2	104.7	104.7
55°	91.9	93.3	94.3	95.7	96.2	96.6	97.1	98.0	98.5	98.0
57.5°	85.3	86.7	87.6	89.0	89.5	90.0	90.5	90.9	91.4	91.4
60°	78.2	79.6	81.0	81.9	82.4	82.9	83.4	83.8	84.3	84.3
62.5°	71.1	72.5	73.4	74.8	75.3	75.3	75.8	76.3	76.7	76.7
65°	63.9	65.4	65.8	67.3	67.3	67.7	68.2	68.7	68.7	68.7
67.5°	56.4	57.8	58.3	59.2	59.2	59.7	60.2	60.6	60.6	60.6
70°	49.3	49.7	50.7	51.2	51.6	51.6	52.1	52.6	53.1	52.6
72.5°	41.7	42.2	43.1	43.6	43.6	44.1	44.1	44.5	45.0	45.0
75°	34.1	35.1	35.5	36.0	36.5	36.5	36.9	37.4	37.4	37.4
77.5°	27.0	27.9	28.4	28.9	29.4	29.4	29.8	29.8	30.3	29.8
80°	20.8	21.3	21.8	22.3	22.7	22.7	23.2	23.7	23.7	23.7
82.5°	15.2	15.6	16.6	17.1	17.1	17.1	18.0	18.0	18.5	18.0
85°	10.4	10.9	11.8	12.3	12.8	12.8	12.8	13.3	13.7	13.3
87.5°	6.6	7.6	8.1	8.5	8.5	8.5	9.0	9.5	9.5	9.5
90°	3.8	3.8	4.3	4.7	4.7	5.2	5.2	5.7	5.7	5.7
92.5°	3.8	4.3	4.3	4.3	4.7	4.7	4.7	5.2	5.2	5.2
95°	32.2	23.2	13.3	10.4	9.0	9.0	8.5	9.0	8.5	8.5
97.5°	97.6	105.6	109.4	114.6	117.5	117.0	115.1	117.0	115.6	117.0
100°	138.8	146.4	152.0	153.5	156.3	157.7	162.9	166.7	168.6	171.0
102.5°	172.4	181.4	188.0	191.8	194.7	196.6	202.7	208.4	211.3	213.2
105°	203.2	212.7	220.7	224.5	227.8	229.7	236.4	243.0	247.3	249.6
107.5°	227.8	238.7	247.3	252.9	256.3	259.6	267.6	274.3	279.5	281.8
110°	250.1	261.0	270.0	276.6	280.4	283.7	292.7	300.3	306.0	308.8



TEST NUMBER: P395348

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

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	268.6	280.4	289.4	296.5	300.3	305.0	313.6	322.1	327.8	331.1
115°	283.7	296.0	305.5	313.1	317.4	321.6	331.6	340.1	345.8	348.1
117.5°	296.5	308.8	318.8	326.4	331.1	335.8	345.8	353.4	359.5	361.4
120°	306.9	319.3	329.2	337.7	342.5	346.7	356.2	364.3	369.9	371.4
122.5°	314.0	326.8	337.3	346.7	351.0	355.3	364.3	372.3	377.5	378.9
125°	319.3	332.5	342.9	352.9	357.1	361.4	369.9	378.0	382.3	384.1
127.5°	322.6	335.8	347.2	356.7	361.4	365.2	373.7	380.8	385.1	386.5
130°	323.5	337.3	348.6	358.6	362.8	366.6	374.7	381.8	385.6	386.5
132.5°	323.5	336.8	348.6	358.1	362.4	366.1	373.7	380.4	384.1	385.1
135°	321.6	334.4	346.3	355.7	360.0	363.8	371.4	377.0	380.8	381.3
137.5°	318.3	330.6	342.0	351.5	355.7	359.5	366.1	372.3	375.6	376.6
140°	314.0	325.4	336.8	345.8	350.0	353.4	360.0	365.2	368.5	369.5
142.5°	308.4	319.7	330.1	339.1	342.5	346.3	351.9	357.1	360.0	360.9
145°	302.2	313.1	322.6	330.6	334.4	337.7	342.9	347.7	350.5	351.5
147.5°	294.1	305.0	314.0	321.6	324.9	328.3	333.0	337.3	340.1	341.0
150°	284.2	294.1	303.6	310.7	314.0	317.4	322.1	325.9	328.7	329.2
152.5°	274.3	283.7	291.8	298.9	302.2	305.5	309.8	313.6	316.9	316.9
155°	264.8	272.8	280.4	286.6	289.4	292.3	296.5	299.8	302.7	302.7
157.5°	254.8	262.4	268.6	274.3	276.6	279.0	282.8	285.6	288.0	287.5
160°	245.4	251.0	256.7	261.5	263.8	265.7	268.6	270.9	273.3	272.8
162.5°	234.9	240.1	244.9	248.2	250.1	251.5	254.4	256.7	258.1	258.1
165°	223.1	227.8	232.1	235.4	237.3	238.3	240.6	242.0	243.5	243.5
167.5°	210.8	214.6	218.4	221.2	223.1	224.0	226.4	227.4	229.3	228.8
170°	198.5	201.3	204.2	206.5	207.5	208.4	210.3	211.3	212.2	212.2
172.5°	188.5	189.5	190.9	192.8	192.8	193.3	194.2	194.7	195.2	195.2
175°	182.8	183.3	183.3	183.3	183.3	183.3	183.8	183.3	183.8	183.3
177.5°	180.5	180.5	180.0	180.0	179.5	180.0	179.5	179.0	179.0	178.6
180°	179.5	179.5	179.5	179.5	179.5	179.5	179.5	179.5	179.5	179.5

(END OF REPORT)