

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: P395373

Luminaire Tested: **I3-CL-30L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395373
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-30L92765-1D-UNV-W2A-W-4 (2700K)
Description: CORELITE I3, CLEAR TOP COVER
3000 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: 2176.3 lumens
Efficiency: N/A
Efficacy: 105.1 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

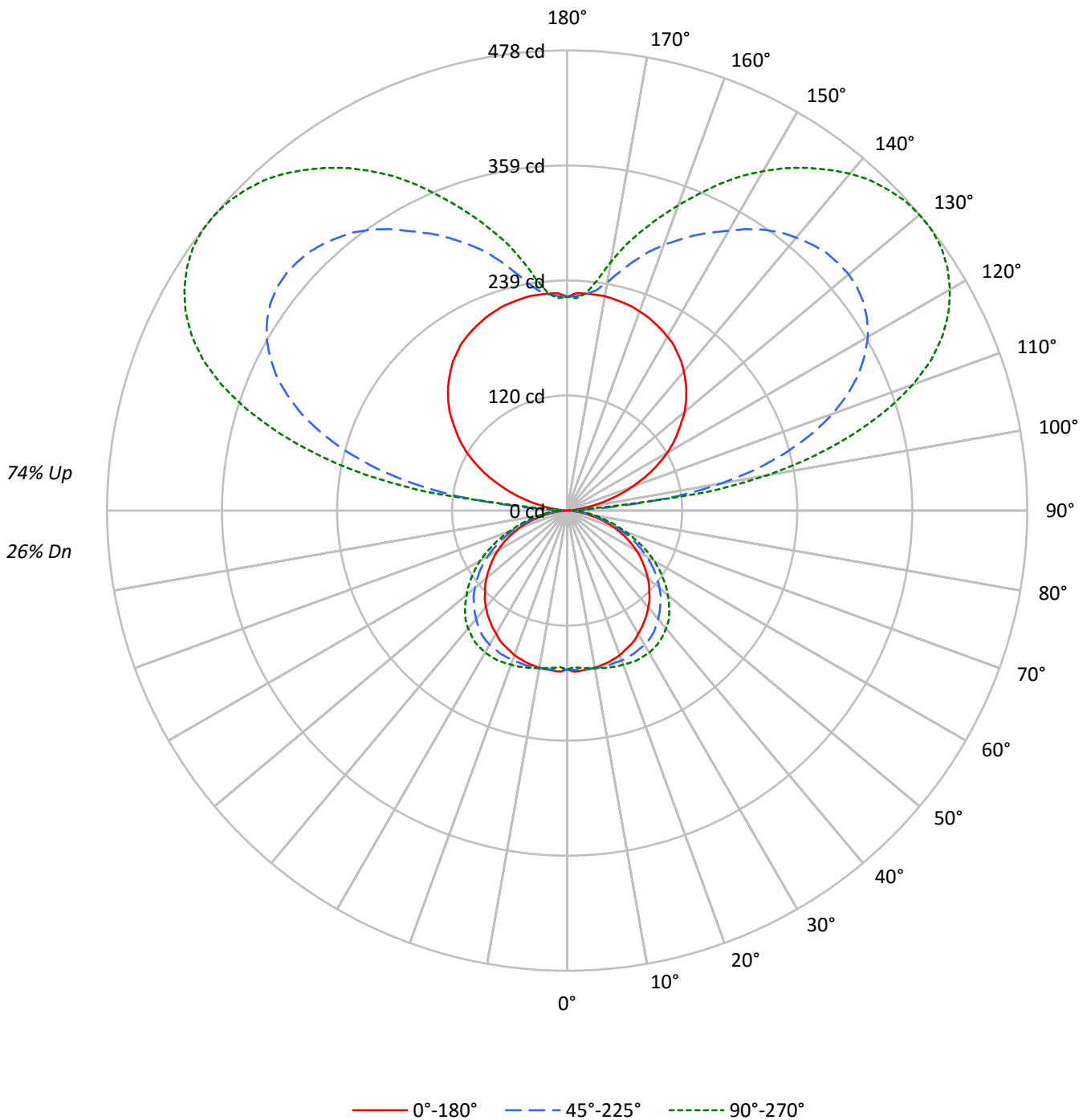
Input Watts (W): 20.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395373

CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (2700K)

Luminous Intensity Polar Plot





TEST NUMBER: P395373

CATALOG NUMBER: I3-CL-30L92765-1D-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°	907	907	907
5°	917	893	879
10°	918	887	877
15°	919	883	881
20°	921	884	889
25°	919	885	901
30°	914	886	907
35°	912	881	908
40°	909	862	897
45°	899	841	874
50°	891	814	835
55°	873	773	787
60°	852	719	726
65°	816	645	644
70°	758	549	545
75°	654	437	438
80°	507	311	321
85°	297	192	215



TEST NUMBER: P395373

CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (2700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.8	0.7
10°-20°	46.9	2.2
20°-30°	75.3	3.5
30°-40°	96.3	4.4
40°-50°	105.0	4.8
50°-60°	98.3	4.5
60°-70°	76.3	3.5
70°-80°	43.7	2.0
80°-90°	14.0	0.6
90°-100°	56.1	2.6
100°-110°	218.2	10.0
110°-120°	297.1	13.6
120°-130°	308.4	14.2
130°-140°	273.5	12.6
140°-150°	212.2	9.8
150°-160°	141.6	6.5
160°-170°	75.5	3.5
170°-180°	22.1	1.0
0°-30°	138.0	6.3
0°-40°	234.3	10.8
0°-60°	437.6	20.1
0°-90°	571.6	26.3
90°-120°	571.4	26.3
90°-150°	1365.5	62.7
90°-180°	1605.0	73.7
0°-180°	2176.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	165	165	165	165	165	
5°	167	165	166	165	164	16
15°	163	163	166	169	169	46
25°	155	156	164	170	172	71
35°	140	143	156	164	167	88
45°	121	126	137	146	150	93
55°	97	102	111	119	121	86
65°	68	71	78	83	85	68
75°	36	38	41	45	46	38
85°	7	8	12	16	16	8
90°	1	2	4	6	7	1
95°	7	40	54	11	10	9
105°	46	140	237	282	309	49
115°	97	216	334	392	430	95
125°	140	255	376	442	475	125
135°	175	268	380	445	471	135
145°	200	268	356	414	434	125
155°	215	254	316	358	374	99
165°	224	233	268	293	301	63
175°	226	225	226	227	227	22
180°	222	222	222	222	222	



TEST NUMBER: P395373

CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	165.1	165.1	165.1	165.1	165.1	165.1	165.1	165.1	165.1	165.1	165.1
2.5°	167.5	166.9	166.9	165.7	165.7	165.1	165.1	165.1	165.1	165.1	165.7
5°	166.9	166.9	166.3	165.7	165.7	165.1	165.1	165.1	165.1	165.1	165.7
7.5°	166.3	166.3	165.7	165.1	165.1	165.1	165.1	165.1	165.1	165.1	166.3
10°	165.7	165.7	165.1	164.6	164.6	164.6	164.6	165.1	165.1	165.1	166.3
12.5°	164.6	164.0	164.0	163.4	163.4	163.4	164.0	164.0	164.6	165.1	166.3
15°	163.4	163.4	162.8	162.2	162.8	162.8	162.8	163.4	164.0	164.6	166.3
17.5°	161.6	161.6	161.0	161.0	161.0	161.6	161.6	162.2	163.4	164.6	165.7
20°	159.9	159.3	159.3	159.3	159.9	159.9	160.5	161.6	162.2	164.0	165.7
22.5°	156.9	157.5	156.9	156.9	157.5	158.1	158.7	159.9	161.0	162.8	164.6
25°	154.6	154.6	154.6	154.6	155.8	155.8	156.9	158.1	159.9	161.6	164.0
27.5°	151.7	151.7	151.7	152.3	152.8	153.4	154.0	155.8	157.5	159.9	162.2
30°	147.6	147.6	147.6	147.6	149.3	149.9	151.1	153.4	155.2	158.1	161.0
32.5°	144.1	144.1	144.1	144.6	145.8	146.4	147.6	150.5	152.8	155.8	158.7
35°	140.0	140.0	140.6	140.6	142.3	142.9	144.1	146.4	148.7	152.3	155.8
37.5°	135.9	135.9	136.5	137.0	138.2	139.4	140.6	142.9	145.2	148.2	151.7
40°	131.2	131.2	131.8	132.4	134.1	135.3	136.5	138.8	141.1	144.1	147.0
42.5°	126.5	126.5	127.1	127.7	129.4	130.6	131.8	134.7	137.0	140.0	142.3
45°	120.6	121.2	121.8	123.0	124.7	125.9	127.1	129.4	132.4	134.7	137.0
47.5°	115.4	116.0	116.5	117.7	119.5	120.6	121.8	124.2	126.5	128.8	131.8
50°	109.5	110.1	110.7	111.9	113.6	114.8	116.0	118.3	120.6	122.4	125.3
52.5°	103.1	103.7	104.2	105.4	107.8	108.3	109.5	111.9	113.6	116.0	118.3
55°	96.6	97.2	97.8	99.0	100.7	101.9	102.5	104.8	106.6	108.9	111.3
57.5°	90.2	90.8	91.4	92.5	93.7	94.9	95.5	97.2	99.6	101.3	103.7
60°	83.2	83.7	84.3	84.9	86.7	87.3	87.8	89.6	91.4	93.7	95.5
62.5°	76.1	76.1	76.7	77.3	79.1	79.6	80.2	81.4	83.7	84.9	86.7
65°	68.5	68.5	69.1	69.7	70.9	71.4	72.0	73.2	75.0	76.1	77.9
67.5°	60.3	60.3	60.9	61.5	62.7	63.2	63.2	65.0	66.2	67.3	68.5
70°	52.7	52.7	53.3	53.3	53.9	54.5	55.0	56.2	56.8	58.6	59.1
72.5°	44.5	44.5	44.5	44.5	45.7	45.7	46.3	47.4	48.0	49.2	50.4
75°	35.7	35.7	36.3	36.3	36.9	37.5	38.1	38.7	39.8	40.4	41.0
77.5°	28.1	27.5	28.1	28.7	29.3	29.3	29.9	30.5	31.0	32.2	32.8
80°	19.9	19.9	19.9	20.5	21.1	21.1	21.7	22.3	22.8	24.0	24.6
82.5°	12.9	12.9	13.5	13.5	14.1	14.6	14.6	15.2	15.8	17.0	17.6
85°	7.0	7.0	7.0	7.6	8.2	8.2	8.8	9.4	10.5	11.1	12.3
87.5°	2.3	2.3	2.9	3.5	4.1	4.1	4.7	5.3	5.9	7.0	7.6
90°	0.6	0.6	0.6	1.2	1.2	1.8	1.8	2.3	2.9	3.5	4.1
92.5°	2.3	4.1	6.4	9.4	8.8	9.4	6.4	4.1	4.1	4.1	4.7
95°	7.0	10.5	17.0	26.9	35.1	39.8	43.9	48.0	56.2	56.8	54.5
97.5°	14.1	19.3	31.0	43.9	58.6	66.2	72.0	84.3	97.2	105.4	115.4
100°	23.4	31.0	46.3	63.8	80.8	90.8	100.1	117.7	133.5	147.6	162.8
102.5°	34.6	43.3	62.1	83.7	104.8	116.0	125.9	146.4	168.1	186.8	203.2
105°	46.3	56.2	78.5	103.1	127.1	140.0	152.3	174.5	197.4	217.9	237.2
107.5°	59.1	69.7	93.7	121.2	148.2	162.8	176.3	200.3	224.3	246.5	267.0
110°	71.4	83.2	108.3	138.2	168.7	183.3	196.8	223.1	248.3	271.7	293.4



TEST NUMBER: P395373

CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	84.3	96.6	121.8	154.6	185.6	200.9	214.9	243.0	269.4	293.4	315.1
115°	96.6	108.3	134.7	168.7	200.3	216.1	231.3	260.0	287.5	311.6	333.8
117.5°	108.3	119.5	146.4	180.4	213.2	229.0	244.2	274.1	301.6	326.8	348.4
120°	120.1	130.0	159.3	190.3	223.7	239.5	255.3	285.2	313.3	338.5	360.7
122.5°	130.6	140.0	168.7	199.1	231.9	248.3	263.5	294.0	322.7	347.9	369.5
125°	140.0	148.7	177.4	206.1	238.9	254.7	270.6	300.4	329.1	353.7	376.0
127.5°	149.3	158.1	183.9	213.2	243.6	260.0	275.2	305.1	333.2	358.4	380.1
130°	159.3	165.7	190.3	219.6	248.3	263.5	279.3	308.0	335.6	360.2	381.8
132.5°	167.5	173.3	196.8	224.9	251.8	266.5	280.5	309.2	336.7	360.2	381.2
135°	175.1	179.8	201.5	229.6	254.7	268.2	281.7	308.6	335.6	359.0	379.5
137.5°	182.1	186.8	205.6	233.1	257.1	268.8	281.7	306.9	332.6	356.1	375.4
140°	188.6	192.1	209.1	234.8	258.3	269.4	280.5	303.9	328.0	350.8	370.1
142.5°	195.0	197.9	212.0	236.0	258.8	269.4	279.9	300.4	322.7	344.9	364.3
145°	199.7	202.6	214.3	236.6	258.3	268.2	277.6	296.9	316.8	337.3	356.1
147.5°	205.0	207.3	216.7	235.4	256.5	265.9	274.7	292.2	310.4	329.1	346.7
150°	208.5	210.8	217.9	234.3	253.6	262.4	271.1	287.5	303.9	320.3	335.6
152.5°	212.0	213.8	219.6	232.5	250.1	258.3	266.5	282.3	297.5	312.1	325.6
155°	214.9	216.7	220.8	231.3	246.0	253.6	261.2	276.4	290.5	303.4	315.7
157.5°	217.9	219.0	222.0	229.6	241.3	248.3	255.3	268.8	281.7	294.6	304.5
160°	220.2	220.8	223.1	229.0	237.2	242.4	248.9	261.2	272.9	284.0	293.4
162.5°	222.5	222.5	224.3	227.8	233.7	237.2	241.9	252.4	262.9	272.9	281.7
165°	223.7	223.7	224.9	227.2	230.7	233.1	236.0	243.0	251.2	260.0	268.2
167.5°	224.9	224.9	225.5	226.6	229.0	230.2	231.3	236.0	241.3	247.7	254.2
170°	226.1	225.5	225.5	226.6	227.2	227.8	228.4	230.7	233.1	237.2	240.7
172.5°	226.1	225.5	225.5	226.1	226.1	226.1	226.1	226.6	227.2	229.6	230.7
175°	226.1	225.5	225.5	225.5	225.5	224.9	224.9	224.9	224.9	224.9	225.5
177.5°	226.1	225.5	224.9	224.9	224.3	224.3	223.7	223.7	223.1	223.1	223.1
180°	222.0	222.0	222.0	222.0	222.0	222.0	222.0	222.0	222.0	222.0	222.0



TEST NUMBER: P395373

CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	165.1	165.1	165.1	165.1	165.1	165.1	165.1	165.1	165.1	165.1
2.5°	165.7	165.7	165.1	165.1	164.6	164.6	164.0	163.4	162.8	162.8
5°	166.3	165.7	165.1	165.1	165.1	164.6	164.6	164.6	164.0	164.0
7.5°	166.3	166.3	166.3	165.7	165.7	165.7	165.7	165.7	165.1	165.1
10°	166.9	166.9	166.9	166.9	166.9	166.9	166.9	166.3	166.3	166.3
12.5°	166.9	166.9	166.9	167.5	167.5	167.5	167.5	167.5	167.5	167.5
15°	167.5	167.5	168.1	168.1	168.7	168.7	169.2	169.2	169.2	168.7
17.5°	166.9	167.5	168.1	168.7	169.2	169.2	169.8	169.8	169.8	169.8
20°	166.9	168.1	168.7	169.2	169.8	169.8	170.4	171.0	171.0	170.4
22.5°	166.3	167.5	168.1	169.2	169.8	169.8	171.0	171.0	171.0	171.0
25°	165.7	166.9	168.1	169.2	169.8	169.8	171.0	171.0	171.6	171.6
27.5°	164.6	165.7	167.5	168.7	169.2	169.8	170.4	171.0	171.0	171.0
30°	162.8	164.6	166.3	167.5	168.1	168.7	169.2	169.8	170.4	170.4
32.5°	160.5	162.2	164.0	165.7	166.3	166.9	168.1	168.7	168.7	168.7
35°	158.1	159.9	161.6	163.4	164.0	164.6	165.7	166.3	166.9	166.9
37.5°	154.6	156.4	158.1	159.9	160.5	161.6	162.8	163.4	163.4	163.4
40°	149.3	152.3	154.6	156.4	156.9	158.1	158.7	159.9	159.9	159.9
42.5°	144.6	147.0	148.7	151.1	151.7	153.4	154.6	155.2	155.8	155.8
45°	139.4	141.7	143.5	145.2	145.8	147.0	148.2	148.7	149.3	149.9
47.5°	134.1	135.9	137.6	139.4	140.0	141.1	142.3	142.9	143.5	143.5
50°	127.7	129.4	131.2	132.9	133.5	134.7	135.3	135.9	136.5	136.5
52.5°	120.6	122.4	124.2	125.9	126.5	127.1	128.3	128.8	129.4	129.4
55°	113.6	115.4	116.5	118.3	118.9	119.5	120.1	121.2	121.8	121.2
57.5°	105.4	107.2	108.3	110.1	110.7	111.3	111.9	112.4	113.0	113.0
60°	96.6	98.4	100.1	101.3	101.9	102.5	103.1	103.7	104.2	104.2
62.5°	87.8	89.6	90.8	92.5	93.1	93.1	93.7	94.3	94.9	94.9
65°	79.1	80.8	81.4	83.2	83.2	83.7	84.3	84.9	84.9	84.9
67.5°	69.7	71.4	72.0	73.2	73.2	73.8	74.4	75.0	75.0	75.0
70°	60.9	61.5	62.7	63.2	63.8	63.8	64.4	65.0	65.6	65.0
72.5°	51.5	52.1	53.3	53.9	53.9	54.5	54.5	55.0	55.6	55.6
75°	42.2	43.3	43.9	44.5	45.1	45.1	45.7	46.3	46.3	46.3
77.5°	33.4	34.6	35.1	35.7	36.3	36.3	36.9	36.9	37.5	36.9
80°	25.8	26.4	26.9	27.5	28.1	28.1	28.7	29.3	29.3	29.3
82.5°	18.7	19.3	20.5	21.1	21.1	21.1	22.3	22.3	22.8	22.3
85°	12.9	13.5	14.6	15.2	15.8	15.8	15.8	16.4	17.0	16.4
87.5°	8.2	9.4	10.0	10.5	10.5	10.5	11.1	11.7	11.7	11.7
90°	4.7	4.7	5.3	5.9	5.9	6.4	6.4	7.0	7.0	7.0
92.5°	4.7	5.3	5.3	5.3	5.9	5.9	5.9	6.4	6.4	6.4
95°	39.8	28.7	16.4	12.9	11.1	11.1	10.5	11.1	10.5	10.5
97.5°	120.6	130.6	135.3	141.7	145.2	144.6	142.3	144.6	142.9	144.6
100°	171.6	181.0	188.0	189.7	193.3	195.0	201.5	206.1	208.5	211.4
102.5°	213.2	224.3	232.5	237.2	240.7	243.0	250.6	257.7	261.2	263.5
105°	251.2	262.9	272.9	277.6	281.7	284.0	292.2	300.4	305.7	308.6
107.5°	281.7	295.2	305.7	312.7	316.8	320.9	330.9	339.1	345.5	348.4
110°	309.2	322.7	333.8	342.0	346.7	350.8	361.9	371.3	378.3	381.8



TEST NUMBER: P395373

CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	332.1	346.7	357.8	366.6	371.3	377.1	387.7	398.2	405.3	409.4
115°	350.8	366.0	377.7	387.1	392.4	397.6	409.9	420.5	427.5	430.4
117.5°	366.6	381.8	394.1	403.5	409.4	415.2	427.5	436.9	444.5	446.8
120°	379.5	394.7	407.0	417.6	423.4	428.7	440.4	450.3	457.4	459.1
122.5°	388.3	404.1	417.0	428.7	433.9	439.2	450.3	460.3	466.7	468.5
125°	394.7	411.1	424.0	436.3	441.6	446.8	457.4	467.3	472.6	474.9
127.5°	398.8	415.2	429.3	441.0	446.8	451.5	462.1	470.8	476.1	477.9
130°	400.0	417.0	431.0	443.3	448.6	453.3	463.2	472.0	476.7	477.9
132.5°	400.0	416.4	431.0	442.7	448.0	452.7	462.1	470.3	474.9	476.1
135°	397.6	413.5	428.1	439.8	445.1	449.8	459.1	466.2	470.8	471.4
137.5°	393.5	408.8	422.8	434.5	439.8	444.5	452.7	460.3	464.4	465.6
140°	388.3	402.3	416.4	427.5	432.8	436.9	445.1	451.5	455.6	456.8
142.5°	381.2	395.3	408.2	419.3	423.4	428.1	435.1	441.6	445.1	446.2
145°	373.6	387.1	398.8	408.8	413.5	417.6	424.0	429.9	433.4	434.5
147.5°	363.7	377.1	388.3	397.6	401.7	405.8	411.7	417.0	420.5	421.7
150°	351.4	363.7	375.4	384.2	388.3	392.4	398.2	402.9	406.4	407.0
152.5°	339.1	350.8	360.7	369.5	373.6	377.7	383.0	387.7	391.8	391.8
155°	327.4	337.3	346.7	354.3	357.8	361.3	366.6	370.7	374.2	374.2
157.5°	315.1	324.4	332.1	339.1	342.0	344.9	349.6	353.1	356.1	355.5
160°	303.4	310.4	317.4	323.3	326.2	328.5	332.1	335.0	337.9	337.3
162.5°	290.5	296.9	302.8	306.9	309.2	311.0	314.5	317.4	319.2	319.2
165°	275.8	281.7	287.0	291.1	293.4	294.6	297.5	299.3	301.0	301.0
167.5°	260.6	265.3	270.0	273.5	275.8	277.0	279.9	281.1	283.4	282.9
170°	245.4	248.9	252.4	255.3	256.5	257.7	260.0	261.2	262.4	262.4
172.5°	233.1	234.3	236.0	238.4	238.4	238.9	240.1	240.7	241.3	241.3
175°	226.1	226.6	226.6	226.6	226.6	226.6	227.2	226.6	227.2	226.6
177.5°	223.1	223.1	222.5	222.5	222.0	222.5	222.0	221.4	221.4	220.8
180°	222.0	222.0	222.0	222.0	222.0	222.0	222.0	222.0	222.0	222.0

(END OF REPORT)