

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: P395375

Luminaire Tested: **I3-CL-30L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395375
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 (3500K)
Description: CORELITE I3, CLEAR TOP COVER
3000 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: 2376.2 lumens
Efficiency: N/A
Efficacy: 114.8 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

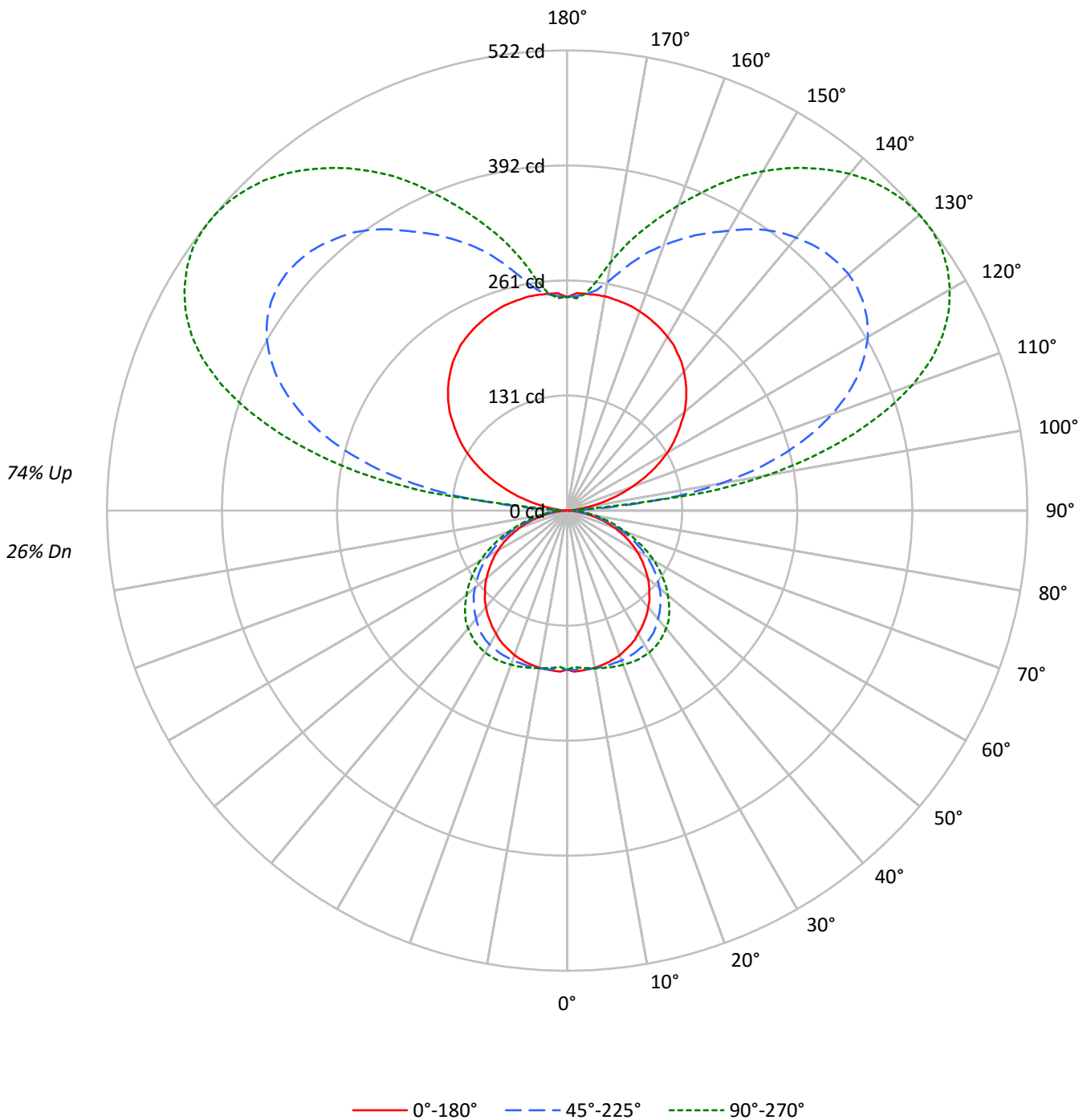
Input Watts (W): 20.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	991	991	991
5°	1002	976	960
10°	1003	968	957
15°	1004	965	962
20°	1006	965	971
25°	1004	966	983
30°	998	967	991
35°	996	962	991
40°	992	942	979
45°	982	919	954
50°	973	888	912
55°	953	844	860
60°	930	784	793
65°	891	704	703
70°	827	600	596
75°	715	478	478
80°	553	340	350
85°	327	209	235



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.3	0.7
10°-20°	51.3	2.2
20°-30°	82.2	3.5
30°-40°	105.1	4.4
40°-50°	114.6	4.8
50°-60°	107.4	4.5
60°-70°	83.3	3.5
70°-80°	47.7	2.0
80°-90°	15.3	0.6
90°-100°	61.3	2.6
100°-110°	238.2	10.0
110°-120°	324.3	13.6
120°-130°	336.7	14.2
130°-140°	298.7	12.6
140°-150°	231.7	9.8
150°-160°	154.6	6.5
160°-170°	82.4	3.5
170°-180°	24.1	1.0
0°-30°	150.7	6.3
0°-40°	255.8	10.8
0°-60°	477.8	20.1
0°-90°	624.1	26.3
90°-120°	623.9	26.3
90°-150°	1490.9	62.7
90°-180°	1752.0	73.7
0°-180°	2376.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	180	180	180	180	180	
5°	182	180	181	180	179	17
15°	178	178	182	184	184	50
25°	169	170	179	185	187	78
35°	153	156	170	179	182	96
45°	132	138	150	159	164	102
55°	106	111	122	130	132	94
65°	75	78	85	91	93	74
75°	39	41	45	49	50	42
85°	8	9	13	17	18	9
90°	1	2	4	6	8	1
95°	8	44	60	12	12	10
105°	50	153	259	308	337	54
115°	106	236	364	428	470	104
125°	153	278	410	482	519	137
135°	191	293	414	486	515	147
145°	218	293	389	451	474	137
155°	235	277	345	391	409	108
165°	244	254	293	320	329	69
175°	247	246	246	248	248	24
180°	242	242	242	242	242	



TEST NUMBER: P395375

CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	180.3	180.3	180.3	180.3	180.3	180.3	180.3	180.3	180.3	180.3	180.3
2.5°	182.9	182.2	182.2	181.0	181.0	180.3	180.3	180.3	180.3	180.3	181.0
5°	182.2	182.2	181.6	181.0	181.0	180.3	180.3	180.3	180.3	180.3	181.0
7.5°	181.6	181.6	181.0	180.3	180.3	180.3	180.3	180.3	180.3	180.3	181.6
10°	181.0	181.0	180.3	179.7	179.7	179.7	179.7	180.3	180.3	180.3	181.6
12.5°	179.7	179.0	179.0	178.4	178.4	178.4	179.0	179.0	179.7	180.3	181.6
15°	178.4	178.4	177.8	177.1	177.8	177.8	177.8	178.4	179.0	179.7	181.6
17.5°	176.5	176.5	175.8	175.8	175.8	176.5	176.5	177.1	178.4	179.7	181.0
20°	174.6	173.9	173.9	173.9	174.6	174.6	175.2	176.5	177.1	179.0	181.0
22.5°	171.4	172.0	171.4	171.4	172.0	172.6	173.3	174.6	175.8	177.8	179.7
25°	168.8	168.8	168.8	168.8	170.1	170.1	171.4	172.6	174.6	176.5	179.0
27.5°	165.6	165.6	165.6	166.2	166.9	167.5	168.2	170.1	172.0	174.6	177.1
30°	161.1	161.1	161.1	161.1	163.0	163.7	165.0	167.5	169.4	172.6	175.8
32.5°	157.3	157.3	157.3	157.9	159.2	159.9	161.1	164.3	166.9	170.1	173.3
35°	152.8	152.8	153.5	153.5	155.4	156.0	157.3	159.9	162.4	166.2	170.1
37.5°	148.3	148.3	149.0	149.6	150.9	152.2	153.5	156.0	158.6	161.8	165.6
40°	143.2	143.2	143.9	144.5	146.4	147.7	149.0	151.5	154.1	157.3	160.5
42.5°	138.1	138.1	138.8	139.4	141.3	142.6	143.9	147.1	149.6	152.8	155.4
45°	131.7	132.4	133.0	134.3	136.2	137.5	138.8	141.3	144.5	147.1	149.6
47.5°	126.0	126.6	127.2	128.5	130.4	131.7	133.0	135.6	138.1	140.7	143.9
50°	119.6	120.2	120.8	122.1	124.0	125.3	126.6	129.2	131.7	133.6	136.8
52.5°	112.5	113.2	113.8	115.1	117.7	118.3	119.6	122.1	124.0	126.6	129.2
55°	105.5	106.1	106.8	108.1	110.0	111.3	111.9	114.5	116.4	118.9	121.5
57.5°	98.5	99.1	99.7	101.0	102.3	103.6	104.2	106.1	108.7	110.6	113.2
60°	90.8	91.4	92.1	92.7	94.6	95.3	95.9	97.8	99.7	102.3	104.2
62.5°	83.1	83.1	83.8	84.4	86.3	87.0	87.6	88.9	91.4	92.7	94.6
65°	74.8	74.8	75.5	76.1	77.4	78.0	78.6	79.9	81.8	83.1	85.0
67.5°	65.9	65.9	66.5	67.1	68.4	69.1	69.1	71.0	72.3	73.5	74.8
70°	57.5	57.5	58.2	58.2	58.8	59.5	60.1	61.4	62.0	63.9	64.6
72.5°	48.6	48.6	48.6	48.6	49.9	49.9	50.5	51.8	52.4	53.7	55.0
75°	39.0	39.0	39.6	39.6	40.3	40.9	41.6	42.2	43.5	44.1	44.8
77.5°	30.7	30.1	30.7	31.3	32.0	32.0	32.6	33.2	33.9	35.2	35.8
80°	21.7	21.7	21.7	22.4	23.0	23.0	23.7	24.3	24.9	26.2	26.9
82.5°	14.1	14.1	14.7	14.7	15.3	16.0	16.0	16.6	17.3	18.5	19.2
85°	7.7	7.7	7.7	8.3	9.0	9.0	9.6	10.2	11.5	12.1	13.4
87.5°	2.6	2.6	3.2	3.8	4.5	4.5	5.1	5.8	6.4	7.7	8.3
90°	0.6	0.6	0.6	1.3	1.3	1.9	1.9	2.6	3.2	3.8	4.5
92.5°	2.6	4.5	7.0	10.2	9.6	10.2	7.0	4.5	4.5	4.5	5.1
95°	7.7	11.5	18.5	29.4	38.4	43.5	48.0	52.4	61.4	62.0	59.5
97.5°	15.3	21.1	33.9	48.0	63.9	72.3	78.6	92.1	106.1	115.1	126.0
100°	25.6	33.9	50.5	69.7	88.2	99.1	109.3	128.5	145.8	161.1	177.8
102.5°	37.7	47.3	67.8	91.4	114.5	126.6	137.5	159.9	183.5	204.0	221.9
105°	50.5	61.4	85.7	112.5	138.8	152.8	166.2	190.5	215.5	237.9	259.0
107.5°	64.6	76.1	102.3	132.4	161.8	177.8	192.5	218.7	244.9	269.2	291.6
110°	78.0	90.8	118.3	150.9	184.1	200.1	214.8	243.6	271.1	296.7	320.3



TEST NUMBER: P395375

CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	92.1	105.5	133.0	168.8	202.7	219.3	234.7	265.4	294.1	320.3	344.0
115°	105.5	118.3	147.1	184.1	218.7	235.9	252.6	283.9	313.9	340.2	364.5
117.5°	118.3	130.4	159.9	196.9	232.7	250.0	266.6	299.2	329.3	356.8	380.4
120°	131.1	141.9	173.9	207.8	244.3	261.5	278.8	311.4	342.1	369.6	393.9
122.5°	142.6	152.8	184.1	217.4	253.2	271.1	287.7	321.0	352.3	379.8	403.5
125°	152.8	162.4	193.7	225.1	260.9	278.1	295.4	328.0	359.3	386.2	410.5
127.5°	163.0	172.6	200.8	232.7	266.0	283.9	300.5	333.1	363.8	391.3	415.0
130°	173.9	181.0	207.8	239.8	271.1	287.7	305.0	336.3	366.4	393.2	416.9
132.5°	182.9	189.3	214.8	245.5	274.9	290.9	306.3	337.6	367.7	393.2	416.3
135°	191.2	196.3	220.0	250.6	278.1	292.8	307.6	337.0	366.4	392.0	414.3
137.5°	198.9	204.0	224.4	254.5	280.7	293.5	307.6	335.1	363.2	388.8	409.9
140°	205.9	209.7	228.3	256.4	282.0	294.1	306.3	331.9	358.1	383.0	404.1
142.5°	212.9	216.1	231.5	257.7	282.6	294.1	305.6	328.0	352.3	376.6	397.7
145°	218.0	221.2	234.0	258.3	282.0	292.8	303.1	324.2	345.9	368.3	388.8
147.5°	223.8	226.4	236.6	257.0	280.1	290.3	299.9	319.1	338.9	359.3	378.5
150°	227.6	230.2	237.9	255.8	276.9	286.5	296.0	313.9	331.9	349.8	366.4
152.5°	231.5	233.4	239.8	253.8	273.0	282.0	290.9	308.2	324.8	340.8	355.5
155°	234.7	236.6	241.1	252.6	268.6	276.9	285.2	301.8	317.1	331.2	344.6
157.5°	237.9	239.1	242.3	250.6	263.4	271.1	278.8	293.5	307.6	321.6	332.5
160°	240.4	241.1	243.6	250.0	259.0	264.7	271.7	285.2	298.0	310.1	320.3
162.5°	243.0	243.0	244.9	248.7	255.1	259.0	264.1	275.6	287.1	298.0	307.6
165°	244.3	244.3	245.5	248.1	251.9	254.5	257.7	265.4	274.3	283.9	292.8
167.5°	245.5	245.5	246.2	247.5	250.0	251.3	252.6	257.7	263.4	270.5	277.5
170°	246.8	246.2	246.2	247.5	248.1	248.7	249.4	251.9	254.5	259.0	262.8
172.5°	246.8	246.2	246.2	246.8	246.8	246.8	246.8	247.5	248.1	250.6	251.9
175°	246.8	246.2	246.2	246.2	246.2	245.5	245.5	245.5	245.5	245.5	246.2
177.5°	246.8	246.2	245.5	245.5	244.9	244.9	244.3	244.3	243.6	243.6	243.6
180°	242.3	242.3	242.3	242.3	242.3	242.3	242.3	242.3	242.3	242.3	242.3



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	180.3	180.3	180.3	180.3	180.3	180.3	180.3	180.3	180.3	180.3
2.5°	181.0	181.0	180.3	180.3	179.7	179.7	179.0	178.4	177.8	177.8
5°	181.6	181.0	180.3	180.3	180.3	179.7	179.7	179.7	179.0	179.0
7.5°	181.6	181.6	181.6	181.0	181.0	181.0	181.0	181.0	180.3	180.3
10°	182.2	182.2	182.2	182.2	182.2	182.2	182.2	181.6	181.6	181.6
12.5°	182.2	182.2	182.2	182.9	182.9	182.9	182.9	182.9	182.9	182.9
15°	182.9	182.9	183.5	183.5	184.1	184.1	184.8	184.8	184.8	184.1
17.5°	182.2	182.9	183.5	184.1	184.8	184.8	185.4	185.4	185.4	185.4
20°	182.2	183.5	184.1	184.8	185.4	185.4	186.1	186.7	186.7	186.1
22.5°	181.6	182.9	183.5	184.8	185.4	185.4	186.7	186.7	186.7	186.7
25°	181.0	182.2	183.5	184.8	185.4	185.4	186.7	186.7	187.3	187.3
27.5°	179.7	181.0	182.9	184.1	184.8	185.4	186.1	186.7	186.7	186.7
30°	177.8	179.7	181.6	182.9	183.5	184.1	184.8	185.4	186.1	186.1
32.5°	175.2	177.1	179.0	181.0	181.6	182.2	183.5	184.1	184.1	184.1
35°	172.6	174.6	176.5	178.4	179.0	179.7	181.0	181.6	182.2	182.2
37.5°	168.8	170.7	172.6	174.6	175.2	176.5	177.8	178.4	178.4	178.4
40°	163.0	166.2	168.8	170.7	171.4	172.6	173.3	174.6	174.6	174.6
42.5°	157.9	160.5	162.4	165.0	165.6	167.5	168.8	169.4	170.1	170.1
45°	152.2	154.7	156.7	158.6	159.2	160.5	161.8	162.4	163.0	163.7
47.5°	146.4	148.3	150.3	152.2	152.8	154.1	155.4	156.0	156.7	156.7
50°	139.4	141.3	143.2	145.1	145.8	147.1	147.7	148.3	149.0	149.0
52.5°	131.7	133.6	135.6	137.5	138.1	138.8	140.0	140.7	141.3	141.3
55°	124.0	126.0	127.2	129.2	129.8	130.4	131.1	132.4	133.0	132.4
57.5°	115.1	117.0	118.3	120.2	120.8	121.5	122.1	122.8	123.4	123.4
60°	105.5	107.4	109.3	110.6	111.3	111.9	112.5	113.2	113.8	113.8
62.5°	95.9	97.8	99.1	101.0	101.7	101.7	102.3	102.9	103.6	103.6
65°	86.3	88.2	88.9	90.8	90.8	91.4	92.1	92.7	92.7	92.7
67.5°	76.1	78.0	78.6	79.9	79.9	80.6	81.2	81.8	81.8	81.8
70°	66.5	67.1	68.4	69.1	69.7	69.7	70.3	71.0	71.6	71.0
72.5°	56.3	56.9	58.2	58.8	58.8	59.5	59.5	60.1	60.7	60.7
75°	46.0	47.3	48.0	48.6	49.2	49.2	49.9	50.5	50.5	50.5
77.5°	36.4	37.7	38.4	39.0	39.6	39.6	40.3	40.3	40.9	40.3
80°	28.1	28.8	29.4	30.1	30.7	30.7	31.3	32.0	32.0	32.0
82.5°	20.5	21.1	22.4	23.0	23.0	23.0	24.3	24.3	24.9	24.3
85°	14.1	14.7	16.0	16.6	17.3	17.3	17.3	17.9	18.5	17.9
87.5°	9.0	10.2	10.9	11.5	11.5	11.5	12.1	12.8	12.8	12.8
90°	5.1	5.1	5.8	6.4	6.4	7.0	7.0	7.7	7.7	7.7
92.5°	5.1	5.8	5.8	5.8	6.4	6.4	6.4	7.0	7.0	7.0
95°	43.5	31.3	17.9	14.1	12.1	12.1	11.5	12.1	11.5	11.5
97.5°	131.7	142.6	147.7	154.7	158.6	157.9	155.4	157.9	156.0	157.9
100°	187.3	197.6	205.3	207.2	211.0	212.9	220.0	225.1	227.6	230.8
102.5°	232.7	244.9	253.8	259.0	262.8	265.4	273.7	281.3	285.2	287.7
105°	274.3	287.1	298.0	303.1	307.6	310.1	319.1	328.0	333.8	337.0
107.5°	307.6	322.3	333.8	341.4	345.9	350.4	361.3	370.2	377.3	380.4
110°	337.6	352.3	364.5	373.4	378.5	383.0	395.2	405.4	413.1	416.9



TEST NUMBER: P395375

CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	362.5	378.5	390.7	400.3	405.4	411.8	423.3	434.8	442.5	446.9
115°	383.0	399.6	412.4	422.6	428.4	434.2	447.6	459.1	466.8	470.0
117.5°	400.3	416.9	430.3	440.6	446.9	453.3	466.8	477.0	485.3	487.9
120°	414.3	431.0	444.4	455.9	462.3	468.0	480.8	491.7	499.4	501.3
122.5°	423.9	441.2	455.3	468.0	473.8	479.6	491.7	502.6	509.6	511.5
125°	431.0	448.9	462.9	476.4	482.1	487.9	499.4	510.2	516.0	518.6
127.5°	435.4	453.3	468.7	481.5	487.9	493.0	504.5	514.1	519.8	521.8
130°	436.7	455.3	470.6	484.0	489.8	494.9	505.8	515.4	520.5	521.8
132.5°	436.7	454.6	470.6	483.4	489.1	494.3	504.5	513.4	518.6	519.8
135°	434.2	451.4	467.4	480.2	486.0	491.1	501.3	509.0	514.1	514.7
137.5°	429.7	446.3	461.7	474.4	480.2	485.3	494.3	502.6	507.1	508.3
140°	423.9	439.3	454.6	466.8	472.5	477.0	486.0	493.0	497.5	498.7
142.5°	416.3	431.6	445.7	457.8	462.3	467.4	475.1	482.1	486.0	487.2
145°	407.9	422.6	435.4	446.3	451.4	455.9	462.9	469.3	473.2	474.4
147.5°	397.1	411.8	423.9	434.2	438.6	443.1	449.5	455.3	459.1	460.4
150°	383.6	397.1	409.9	419.5	423.9	428.4	434.8	439.9	443.7	444.4
152.5°	370.2	383.0	393.9	403.5	407.9	412.4	418.2	423.3	427.8	427.8
155°	357.4	368.3	378.5	386.8	390.7	394.5	400.3	404.7	408.6	408.6
157.5°	344.0	354.2	362.5	370.2	373.4	376.6	381.7	385.6	388.8	388.1
160°	331.2	338.9	346.6	353.0	356.2	358.7	362.5	365.7	368.9	368.3
162.5°	317.1	324.2	330.6	335.1	337.6	339.5	343.4	346.6	348.5	348.5
165°	301.2	307.6	313.3	317.8	320.3	321.6	324.8	326.7	328.7	328.7
167.5°	284.5	289.7	294.8	298.6	301.2	302.4	305.6	306.9	309.5	308.8
170°	267.9	271.7	275.6	278.8	280.1	281.3	283.9	285.2	286.5	286.5
172.5°	254.5	255.8	257.7	260.2	260.2	260.9	262.2	262.8	263.4	263.4
175°	246.8	247.5	247.5	247.5	247.5	247.5	248.1	247.5	248.1	247.5
177.5°	243.6	243.6	243.0	243.0	242.3	243.0	242.3	241.7	241.7	241.1
180°	242.3	242.3	242.3	242.3	242.3	242.3	242.3	242.3	242.3	242.3

(END OF REPORT)