

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: P395536

Luminaire Tested: **I3-FL-30L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395536  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: I3-FL-30L92765-1D-UNV-W2A-W-4 (6500K)  
Description: CORELITE I3, FROSTED TOP COVER  
3000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2599.2 lumens  
Efficiency: N/A  
Efficacy: 119.8 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.43 / 1.49  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')  
CIE Type: Semi-Indirect

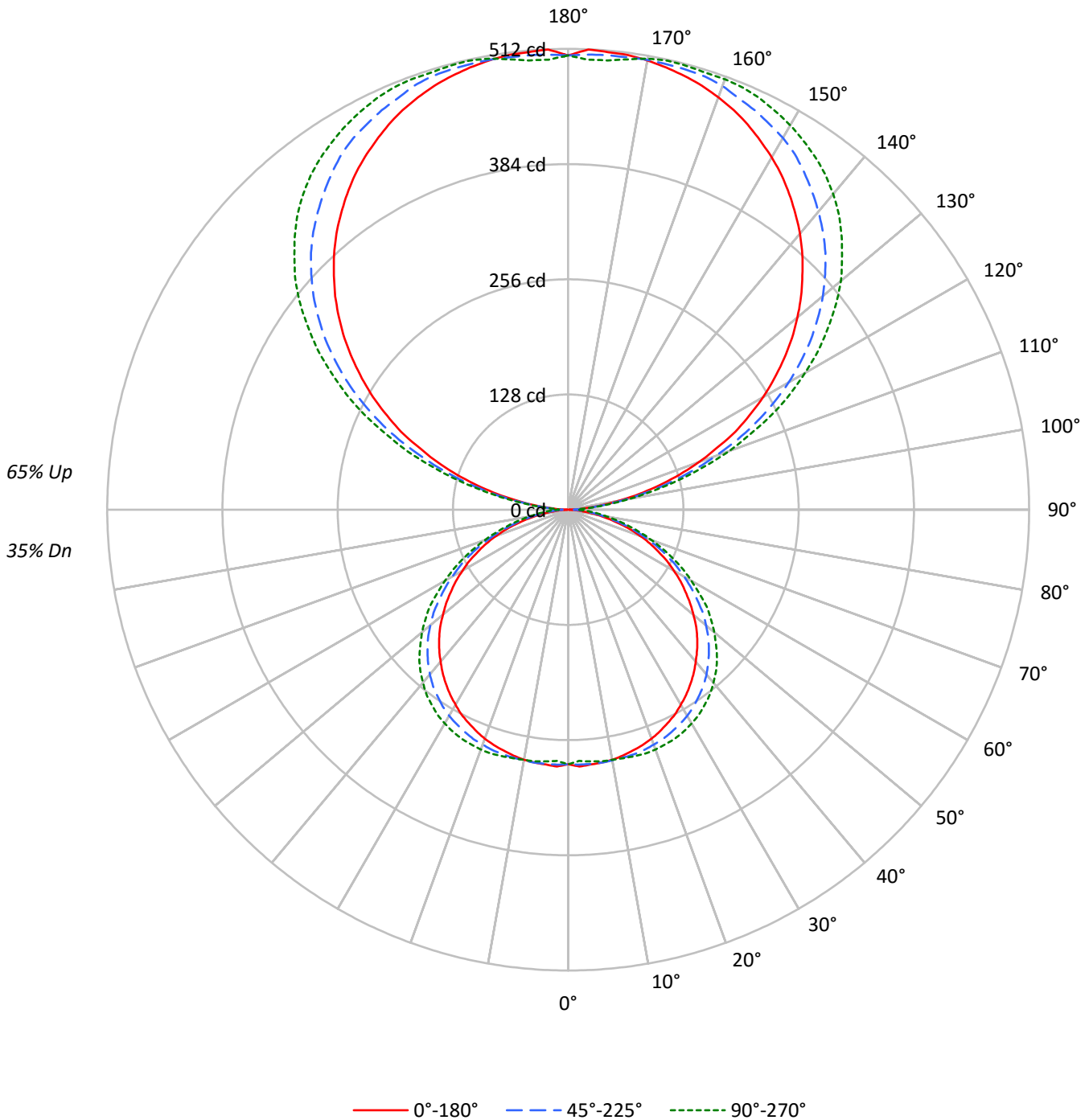
Input Watts (W): 21.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P395536

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (6500K)

### Luminous Intensity Polar Plot





TEST NUMBER: P395536

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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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35
1	94	90	86	83	85	81	78	75	66	63	61	51	49	48	37	36	36	29
2	86	78	72	67	77	71	66	61	57	53	50	44	42	40	33	31	30	24
3	78	69	61	55	70	62	56	51	50	46	42	39	36	33	29	27	25	20
4	71	60	53	47	64	55	48	43	44	39	35	35	31	28	25	23	21	17
5	65	54	46	40	59	49	42	36	39	34	30	31	27	24	23	20	18	15
6	60	48	40	34	54	44	37	31	35	30	26	28	24	21	21	18	16	13
7	55	43	35	30	50	39	32	27	32	27	23	25	21	18	19	16	14	11
8	51	39	31	26	46	35	29	24	29	24	20	23	19	16	17	14	13	10
9	47	35	28	23	43	32	26	21	26	21	18	21	17	15	16	13	11	9
10	44	32	25	20	40	30	23	19	24	19	16	19	16	13	14	12	10	8

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1554	1554	1554
5°	1562	1529	1505
10°	1563	1508	1487
15°	1559	1495	1481
20°	1560	1482	1479
25°	1555	1469	1473
30°	1550	1455	1460
35°	1542	1431	1438
40°	1527	1402	1407
45°	1511	1358	1364
50°	1477	1298	1297
55°	1435	1216	1219
60°	1386	1120	1102
65°	1318	1004	978
70°	1224	855	826
75°	1065	680	658
80°	831	483	481
85°	450	276	316



TEST NUMBER: P395536

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (6500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.0	1.0
10°-20°	79.3	3.1
20°-30°	125.1	4.8
30°-40°	157.2	6.0
40°-50°	169.0	6.5
50°-60°	155.5	6.0
60°-70°	119.1	4.6
70°-80°	67.8	2.6
80°-90°	21.2	0.8
90°-100°	28.3	1.1
100°-110°	123.2	4.7
110°-120°	225.5	8.7
120°-130°	290.7	11.2
130°-140°	309.3	11.9
140°-150°	284.6	10.9
150°-160°	225.4	8.7
160°-170°	142.8	5.5
170°-180°	48.3	1.9
0°-30°	231.3	8.9
0°-40°	388.5	14.9
0°-60°	713.0	27.4
0°-90°	921.1	35.4
90°-120°	377.0	14.5
90°-150°	1261.6	48.5
90°-180°	1678.0	64.6
0°-180°	2599.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	283	283	283	283	283	
5°	284	281	284	282	281	27
15°	277	276	281	284	284	78
25°	262	262	272	279	281	121
35°	237	240	253	262	264	148
45°	203	208	221	230	234	156
55°	159	165	175	184	188	142
65°	111	114	121	127	129	110
75°	58	60	64	67	70	61
85°	11	14	18	23	24	13
90°	1	2	6	9	11	2
95°	19	18	21	23	24	24
105°	104	109	118	125	127	111
115°	205	214	231	243	250	201
125°	293	306	329	345	352	261
135°	368	380	404	421	430	284
145°	428	437	457	471	478	268
155°	472	478	490	500	504	218
165°	499	499	506	510	510	141
175°	510	507	507	505	501	49
180°	505	505	505	505	505	



TEST NUMBER: P395536

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8
2.5°	285.6	284.9	284.2	282.8	282.8	282.1	282.1	282.1	282.1	282.8	283.5
5°	284.2	284.2	283.5	282.1	282.1	281.4	281.4	282.1	281.4	282.1	283.5
7.5°	283.5	283.5	282.8	281.4	281.4	281.4	281.4	281.4	281.4	282.1	283.5
10°	282.1	282.1	280.7	280.0	280.0	280.0	280.0	280.7	280.7	281.4	282.8
12.5°	280.0	279.3	278.6	277.8	277.8	277.8	278.6	279.3	279.3	280.7	282.1
15°	277.1	277.1	276.4	275.7	275.7	275.7	276.4	277.1	277.8	279.3	281.4
17.5°	274.3	274.3	273.6	273.6	273.6	273.6	274.3	275.0	276.4	277.8	280.0
20°	270.8	270.8	270.1	270.1	270.1	270.8	270.8	272.2	273.6	275.7	277.8
22.5°	266.5	266.5	266.5	265.8	266.5	267.2	267.9	269.3	270.8	272.9	275.7
25°	261.5	261.5	261.5	261.5	262.3	262.3	263.7	265.1	266.5	269.3	272.2
27.5°	256.6	256.6	256.6	255.9	257.3	258.0	258.7	260.8	262.3	265.8	268.6
30°	250.2	250.2	250.2	250.9	251.6	252.3	253.7	255.9	257.3	260.8	264.4
32.5°	243.8	243.8	243.8	243.8	246.0	246.7	247.4	249.5	252.3	255.9	259.4
35°	236.7	236.7	236.7	237.4	238.9	239.6	241.0	243.1	246.0	249.5	253.0
37.5°	228.9	229.7	229.7	230.4	231.8	233.2	234.6	236.7	239.6	243.1	246.7
40°	220.4	221.1	221.1	221.9	223.3	224.7	226.1	228.9	231.8	235.3	238.9
42.5°	211.9	212.6	212.6	214.1	215.5	216.9	218.3	221.1	224.0	227.5	230.4
45°	202.7	203.4	203.4	204.8	207.0	207.7	209.8	212.6	215.5	218.3	221.1
47.5°	192.8	193.5	193.5	194.9	197.0	198.5	199.9	202.7	204.8	208.4	211.2
50°	181.5	182.2	182.9	184.3	187.1	188.5	190.0	192.1	194.9	197.0	199.9
52.5°	170.8	170.8	171.5	172.9	175.1	176.5	177.2	179.3	182.9	185.7	188.5
55°	158.8	159.5	160.2	161.6	163.7	165.1	165.9	168.0	170.1	172.2	175.1
57.5°	148.1	148.1	148.8	150.3	152.4	153.1	153.8	155.2	158.1	160.2	162.3
60°	135.4	136.1	136.8	138.2	139.6	141.1	141.1	143.2	145.3	147.4	148.8
62.5°	124.0	124.0	124.7	126.2	126.9	128.3	128.3	130.4	131.8	134.0	135.4
65°	110.6	111.3	112.0	112.7	114.1	114.1	114.8	116.2	117.7	119.1	121.2
67.5°	98.5	98.5	99.2	99.9	100.6	100.6	101.4	102.8	104.2	105.6	107.0
70°	85.1	85.8	85.8	85.8	86.5	87.2	87.9	88.6	90.0	90.7	92.1
72.5°	71.6	71.6	72.3	72.3	73.0	73.7	74.4	75.1	75.8	77.3	78.0
75°	58.1	58.1	58.8	58.8	59.5	59.5	59.5	61.0	61.7	63.1	63.8
77.5°	44.7	45.4	45.4	45.4	46.1	46.8	46.8	47.5	48.9	49.6	50.3
80°	32.6	32.6	32.6	32.6	33.3	34.0	34.7	34.7	36.1	37.6	38.3
82.5°	20.6	20.6	21.3	22.0	22.0	22.7	23.4	24.1	25.5	26.2	26.9
85°	10.6	10.6	11.3	12.0	12.8	13.5	13.5	14.2	15.6	17.0	17.7
87.5°	3.5	4.3	4.3	5.0	5.7	6.4	7.1	7.8	9.2	10.6	11.3
90°	0.7	0.7	0.7	1.4	2.1	2.1	2.8	3.5	4.3	5.0	6.4
92.5°	6.4	6.4	5.7	6.4	6.4	6.4	6.4	7.1	7.8	7.8	9.2
95°	19.1	18.4	18.4	18.4	18.4	18.4	18.4	19.1	19.8	19.8	20.6
97.5°	36.9	36.9	36.1	36.1	36.9	36.9	36.9	37.6	39.0	38.3	39.7
100°	57.4	57.4	56.7	57.4	58.1	58.8	60.2	60.2	61.7	61.7	63.8
102.5°	80.8	80.8	80.1	81.5	82.2	83.6	83.6	85.1	87.2	87.2	90.0
105°	104.2	104.9	104.9	106.3	107.7	109.2	109.2	111.3	114.1	114.1	117.7
107.5°	129.7	130.4	130.4	131.8	133.3	134.7	135.4	138.2	141.1	141.8	146.0
110°	154.5	155.2	155.9	157.4	158.8	160.9	162.3	165.1	168.7	170.1	173.7



TEST NUMBER: P395536

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	177.9	180.7	181.5	183.6	185.7	187.8	189.2	192.8	197.0	199.2	203.4
115°	204.8	206.3	207.0	209.1	211.9	214.1	215.5	219.0	223.3	226.1	231.1
117.5°	226.8	230.4	231.1	233.2	236.0	238.2	239.6	243.8	248.8	252.3	257.3
120°	250.2	253.0	255.9	257.3	259.4	262.3	263.7	267.9	273.6	277.1	282.8
122.5°	271.5	274.3	277.1	279.3	282.1	283.5	285.6	290.6	296.3	300.5	306.2
125°	292.7	296.3	298.4	300.5	304.1	305.5	307.6	312.6	318.3	323.2	328.9
127.5°	313.3	315.4	319.0	320.4	323.9	325.3	327.5	333.1	338.8	343.8	349.4
130°	332.4	335.3	338.1	338.8	343.1	345.2	347.3	352.3	358.7	363.6	369.3
132.5°	350.9	352.3	355.8	357.9	361.5	363.6	365.7	370.0	376.4	381.3	387.0
135°	367.9	369.3	373.5	375.7	377.8	379.9	382.8	387.0	393.4	398.3	404.0
137.5°	384.9	386.3	390.5	392.7	394.1	396.2	398.3	402.6	409.0	413.9	418.9
140°	400.5	401.9	404.7	407.6	409.0	410.4	412.5	416.8	422.4	427.4	432.4
142.5°	414.6	416.1	418.9	421.7	423.9	423.9	426.0	429.5	435.9	440.9	445.1
145°	428.1	428.8	431.7	434.5	437.3	437.3	438.0	441.6	447.3	452.9	457.2
147.5°	440.9	441.6	443.7	446.5	448.7	449.4	450.8	452.2	457.9	463.6	468.5
150°	452.2	452.9	454.3	457.2	458.6	460.0	461.4	462.1	466.4	471.4	477.0
152.5°	462.1	462.8	464.3	466.4	467.8	469.2	470.6	472.8	474.9	479.9	483.4
155°	472.1	472.8	473.5	475.6	477.0	477.7	478.4	481.3	483.4	486.2	489.8
157.5°	480.6	480.6	481.3	482.7	484.1	484.1	484.8	487.7	489.8	492.6	494.7
160°	487.7	487.7	488.4	489.8	489.8	490.5	491.2	493.3	494.7	498.3	501.1
162.5°	494.0	493.3	494.0	494.7	494.7	494.7	495.4	496.9	499.0	501.8	504.7
165°	499.0	499.0	499.0	499.7	499.7	499.0	499.0	500.4	501.8	504.0	506.1
167.5°	503.2	503.2	502.5	503.2	502.5	502.5	501.8	502.5	503.2	505.4	506.8
170°	506.8	506.1	506.1	506.1	505.4	504.7	504.7	504.7	504.7	506.1	507.5
172.5°	509.6	508.9	508.2	508.2	506.8	506.1	506.1	505.4	505.4	506.1	506.8
175°	510.3	509.6	508.9	508.9	507.5	506.8	506.1	506.1	505.4	506.1	506.8
177.5°	511.8	511.0	509.6	509.6	508.2	506.8	506.8	506.1	505.4	506.1	506.1
180°	504.7	504.7	504.7	504.7	504.7	504.7	504.7	504.7	504.7	504.7	504.7



TEST NUMBER: P395536

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8
2.5°	284.2	284.2	283.5	282.8	282.8	282.1	281.4	280.7	280.0	279.3
5°	284.2	283.5	282.8	282.8	282.1	282.1	282.1	281.4	280.7	280.7
7.5°	284.2	284.2	283.5	282.8	282.8	282.8	282.8	282.8	282.1	282.1
10°	284.2	283.5	283.5	283.5	282.8	283.5	283.5	282.8	282.8	282.1
12.5°	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	282.8
15°	282.1	282.8	282.8	283.5	283.5	283.5	284.2	284.2	283.5	283.5
17.5°	281.4	282.1	282.8	283.5	283.5	283.5	284.2	284.2	284.2	284.2
20°	280.0	280.7	281.4	282.1	282.1	282.8	282.8	283.5	283.5	283.5
22.5°	277.1	277.8	279.3	280.0	280.7	281.4	282.1	282.1	282.1	282.1
25°	274.3	275.7	276.4	277.8	278.6	279.3	280.0	280.0	280.0	280.7
27.5°	270.8	272.2	274.3	275.0	275.7	276.4	277.1	277.8	277.8	277.8
30°	266.5	268.6	270.1	271.5	272.2	272.9	273.6	273.6	274.3	274.3
32.5°	261.5	263.7	265.1	266.5	267.2	267.9	269.3	269.3	270.1	270.1
35°	255.2	257.3	259.4	260.8	261.5	262.3	263.7	264.4	264.4	264.4
37.5°	248.8	250.9	253.0	255.2	255.9	256.6	258.0	258.0	258.7	258.7
40°	241.0	243.1	245.2	247.4	247.4	248.8	249.5	250.2	250.9	250.9
42.5°	233.2	235.3	236.7	238.9	239.6	240.3	241.0	242.4	242.4	243.1
45°	224.0	226.1	227.5	229.7	230.4	231.1	232.5	233.2	233.9	233.9
47.5°	214.1	215.5	216.9	219.0	220.4	221.1	221.9	222.6	223.3	222.6
50°	202.7	204.1	206.3	208.4	209.1	209.8	211.2	211.2	211.9	211.9
52.5°	190.7	192.8	194.2	196.3	197.0	197.8	199.2	199.2	199.9	199.9
55°	177.2	178.6	180.0	183.6	184.3	185.0	186.4	186.4	187.1	187.8
57.5°	164.4	165.1	167.3	168.7	170.1	170.1	170.8	171.5	172.2	172.2
60°	151.0	151.7	153.1	155.2	155.2	155.9	157.4	157.4	158.1	158.1
62.5°	136.8	138.2	139.6	141.8	141.1	141.8	143.2	143.2	143.9	143.9
65°	122.6	123.3	124.7	126.2	126.9	126.9	127.6	128.3	129.0	129.0
67.5°	107.7	109.2	109.9	112.0	111.3	112.0	112.7	112.7	113.4	113.4
70°	93.6	94.3	95.7	96.4	96.4	97.1	97.8	97.8	97.8	98.5
72.5°	79.4	80.1	80.8	81.5	81.5	82.2	82.9	82.9	83.6	83.6
75°	64.5	65.9	66.6	68.0	67.3	68.0	69.5	69.5	69.5	69.5
77.5°	51.7	52.5	53.9	54.6	54.6	54.6	56.0	55.3	56.0	56.0
80°	39.0	39.7	41.1	41.8	41.8	42.5	43.2	43.2	43.2	43.9
82.5°	27.6	29.1	30.5	31.2	31.2	31.9	32.6	32.6	33.3	33.3
85°	19.1	20.6	22.0	22.0	22.7	23.4	24.1	24.1	24.1	24.1
87.5°	12.8	13.5	14.2	14.9	15.6	15.6	16.3	16.3	17.0	17.0
90°	7.1	7.8	8.5	9.2	9.2	9.9	9.9	10.6	10.6	10.6
92.5°	9.9	9.9	10.6	11.3	11.3	11.3	11.3	12.0	12.0	12.0
95°	21.3	22.0	22.0	23.4	23.4	23.4	24.1	24.1	24.1	24.1
97.5°	41.1	41.1	41.1	42.5	42.5	42.5	43.2	43.2	43.2	43.9
100°	64.5	65.2	65.2	67.3	66.6	68.0	68.0	68.0	68.0	68.8
102.5°	90.7	92.1	92.9	95.0	95.0	95.0	96.4	95.7	96.4	96.4
105°	119.1	120.5	121.2	123.3	124.7	124.7	126.2	125.5	126.2	126.9
107.5°	147.4	149.6	151.0	153.1	154.5	155.2	155.2	155.9	156.6	157.4
110°	176.5	178.6	182.2	184.3	185.0	186.4	187.1	187.8	188.5	190.0





TEST NUMBER: P395536

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	207.0	209.1	211.9	214.8	214.1	216.2	217.6	218.3	219.0	218.3
115°	234.6	237.4	240.3	243.1	243.1	244.5	247.4	248.1	248.1	249.5
117.5°	260.8	264.4	267.2	270.1	270.8	272.2	274.3	276.4	276.4	277.8
120°	286.4	290.6	293.4	296.3	297.7	298.4	300.5	303.4	303.4	303.4
122.5°	310.5	314.0	317.5	320.4	321.8	323.2	324.6	328.2	328.2	329.6
125°	333.1	337.4	340.9	343.8	345.2	346.6	349.4	351.6	352.3	352.3
127.5°	354.4	358.7	362.2	365.7	366.4	367.9	370.7	373.5	374.2	375.0
130°	374.2	378.5	382.0	385.6	387.0	387.7	391.3	393.4	394.8	395.5
132.5°	392.0	396.2	399.8	403.3	404.7	406.1	408.3	411.8	412.5	412.5
135°	408.3	412.5	416.1	420.3	421.0	422.4	425.3	427.4	428.8	429.5
137.5°	423.2	427.4	431.7	435.2	436.6	437.3	440.2	443.0	444.4	445.1
140°	436.6	440.9	445.1	448.0	448.7	450.8	452.9	455.8	457.2	457.9
142.5°	449.4	452.9	456.5	460.0	460.7	462.1	464.3	467.1	468.5	469.2
145°	460.7	464.3	467.1	469.9	470.6	472.1	474.2	476.3	477.7	478.4
147.5°	471.4	474.2	477.0	479.1	479.9	481.3	482.7	484.1	485.5	486.2
150°	480.6	482.0	484.8	486.2	486.9	488.4	489.8	491.2	492.6	493.3
152.5°	487.7	489.8	491.2	493.3	494.0	494.7	496.2	497.6	499.0	499.0
155°	493.3	495.4	496.9	499.0	499.7	500.4	501.8	502.5	504.0	504.0
157.5°	497.6	499.7	501.1	502.5	503.2	504.0	504.7	506.1	507.5	507.5
160°	502.5	503.2	504.0	505.4	505.4	506.1	506.8	507.5	508.9	508.9
162.5°	506.8	507.5	506.1	506.8	506.1	506.8	507.5	508.2	508.9	508.9
165°	508.2	509.6	508.9	509.6	509.6	509.6	509.6	510.3	510.3	510.3
167.5°	508.2	509.6	508.9	508.9	509.6	509.6	510.3	511.0	511.0	511.0
170°	508.2	508.9	508.2	507.5	508.2	508.2	508.2	508.9	508.9	508.9
172.5°	507.5	508.2	506.8	506.1	506.1	506.1	505.4	505.4	504.7	504.7
175°	506.8	506.8	505.4	504.7	504.7	504.7	503.2	502.5	501.8	501.1
177.5°	506.1	506.1	504.0	503.2	503.2	502.5	502.5	501.1	501.1	500.4
180°	504.7	504.7	504.7	504.7	504.7	504.7	504.7	504.7	504.7	504.7

(END OF REPORT)