

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: P395522

Luminaire Tested: **I3-FL-30L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395522  
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-30L82765-1D-UNV-W2A-W-4 (5700K)  
Description: CORELITE I3, FROSTED TOP COVER  
3000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 5700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2856.7 lumens  
Efficiency: N/A  
Efficacy: 134.1 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

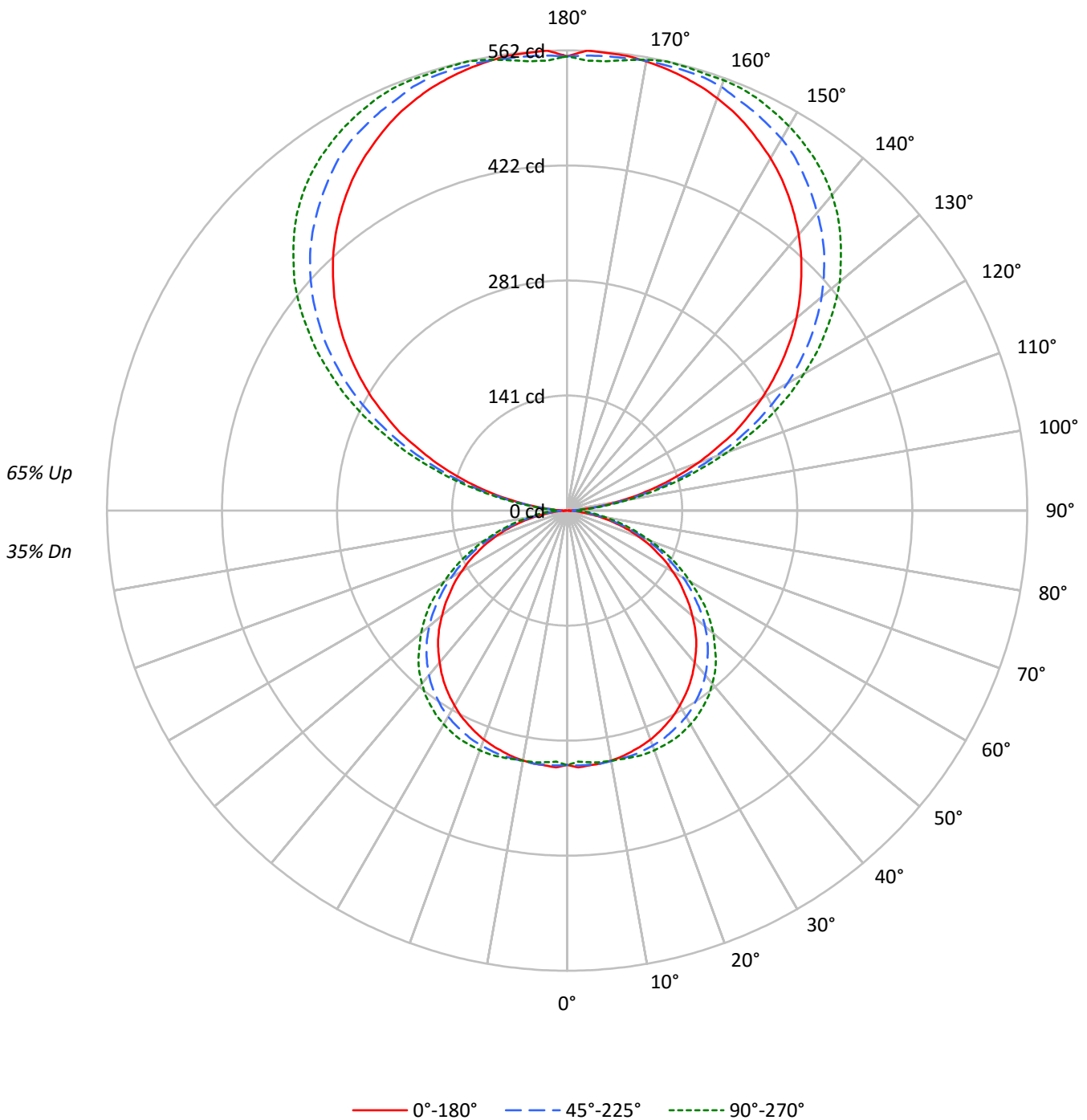
Input Watts (W): 21.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	1708	1708	1708
5°	1717	1680	1654
10°	1717	1657	1634
15°	1714	1643	1628
20°	1714	1629	1625
25°	1710	1614	1619
30°	1704	1599	1605
35°	1695	1573	1581
40°	1679	1540	1546
45°	1661	1492	1499
50°	1623	1427	1425
55°	1576	1336	1340
60°	1523	1232	1211
65°	1448	1103	1075
70°	1345	941	908
75°	1171	747	722
80°	913	531	529
85°	496	305	347



TEST NUMBER: P395522

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (5700K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.6	1.0
10°-20°	87.2	3.1
20°-30°	137.5	4.8
30°-40°	172.8	6.0
40°-50°	185.7	6.5
50°-60°	170.9	6.0
60°-70°	130.9	4.6
70°-80°	74.5	2.6
80°-90°	23.3	0.8
90°-100°	31.1	1.1
100°-110°	135.4	4.7
110°-120°	247.9	8.7
120°-130°	319.5	11.2
130°-140°	339.9	11.9
140°-150°	312.8	10.9
150°-160°	247.8	8.7
160°-170°	156.9	5.5
170°-180°	53.1	1.9
0°-30°	254.2	8.9
0°-40°	427.0	14.9
0°-60°	783.6	27.4
0°-90°	1012.3	35.4
90°-120°	414.4	14.5
90°-150°	1386.5	48.5
90°-180°	1844.0	64.6
0°-180°	2856.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	311	311	311	311	311	
5°	312	309	312	310	308	30
15°	305	303	309	312	312	86
25°	288	288	299	306	308	133
35°	260	263	278	288	291	163
45°	223	228	243	253	257	172
55°	174	182	192	202	206	156
65°	122	125	133	139	142	121
75°	64	65	70	74	76	68
85°	12	15	20	25	26	15
90°	1	2	7	10	12	2
95°	21	20	23	26	26	26
105°	114	120	129	137	139	122
115°	225	235	254	267	274	221
125°	322	336	362	379	387	287
135°	404	418	444	463	472	312
145°	470	481	502	517	526	294
155°	519	525	538	549	554	239
165°	548	548	556	560	561	155
175°	561	557	557	555	551	53
180°	555	555	555	555	555	



TEST NUMBER: P395522

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (5700K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	310.8	310.8	310.8	310.8	310.8	310.8	310.8	310.8	310.8	310.8	310.8
2.5°	313.9	313.2	312.4	310.8	310.8	310.0	310.0	310.0	310.0	310.8	311.6
5°	312.4	312.4	311.6	310.0	310.0	309.3	309.3	310.0	309.3	310.0	311.6
7.5°	311.6	311.6	310.8	309.3	309.3	309.3	309.3	309.3	309.3	310.0	311.6
10°	310.0	310.0	308.5	307.7	307.7	307.7	307.7	308.5	308.5	309.3	310.8
12.5°	307.7	306.9	306.1	305.4	305.4	305.4	306.1	306.9	306.9	308.5	310.0
15°	304.6	304.6	303.8	303.0	303.0	303.0	303.8	304.6	305.4	306.9	309.3
17.5°	301.5	301.5	300.7	300.7	300.7	300.7	301.5	302.3	303.8	305.4	307.7
20°	297.6	297.6	296.8	296.8	296.8	297.6	297.6	299.1	300.7	303.0	305.4
22.5°	292.9	292.9	292.9	292.1	292.9	293.7	294.5	296.0	297.6	299.9	303.0
25°	287.5	287.5	287.5	287.5	288.2	288.2	289.8	291.3	292.9	296.0	299.1
27.5°	282.0	282.0	282.0	281.2	282.8	283.6	284.3	286.7	288.2	292.1	295.2
30°	275.0	275.0	275.0	275.8	276.5	277.3	278.9	281.2	282.8	286.7	290.6
32.5°	268.0	268.0	268.0	268.0	270.3	271.1	271.9	274.2	277.3	281.2	285.1
35°	260.2	260.2	260.2	261.0	262.5	263.3	264.9	267.2	270.3	274.2	278.1
37.5°	251.6	252.4	252.4	253.2	254.7	256.3	257.9	260.2	263.3	267.2	271.1
40°	242.3	243.0	243.0	243.8	245.4	246.9	248.5	251.6	254.7	258.6	262.5
42.5°	232.9	233.7	233.7	235.3	236.8	238.4	239.9	243.0	246.2	250.1	253.2
45°	222.8	223.6	223.6	225.1	227.5	228.2	230.6	233.7	236.8	239.9	243.0
47.5°	211.9	212.7	212.7	214.2	216.6	218.1	219.7	222.8	225.1	229.0	232.1
50°	199.4	200.2	201.0	202.5	205.7	207.2	208.8	211.1	214.2	216.6	219.7
52.5°	187.7	187.7	188.5	190.1	192.4	194.0	194.8	197.1	201.0	204.1	207.2
55°	174.5	175.3	176.1	177.6	180.0	181.5	182.3	184.6	187.0	189.3	192.4
57.5°	162.8	162.8	163.6	165.1	167.5	168.3	169.0	170.6	173.7	176.1	178.4
60°	148.8	149.6	150.3	151.9	153.5	155.0	155.0	157.4	159.7	162.0	163.6
62.5°	136.3	136.3	137.1	138.7	139.4	141.0	141.0	143.3	144.9	147.2	148.8
65°	121.5	122.3	123.1	123.9	125.4	125.4	126.2	127.8	129.3	130.9	133.2
67.5°	108.3	108.3	109.1	109.8	110.6	110.6	111.4	113.0	114.5	116.1	117.6
70°	93.5	94.3	94.3	94.3	95.0	95.8	96.6	97.4	98.9	99.7	101.3
72.5°	78.7	78.7	79.5	79.5	80.2	81.0	81.8	82.6	83.4	84.9	85.7
75°	63.9	63.9	64.7	64.7	65.4	65.4	65.4	67.0	67.8	69.3	70.1
77.5°	49.1	49.9	49.9	49.9	50.6	51.4	51.4	52.2	53.8	54.5	55.3
80°	35.8	35.8	35.8	35.8	36.6	37.4	38.2	38.2	39.7	41.3	42.1
82.5°	22.6	22.6	23.4	24.1	24.1	24.9	25.7	26.5	28.0	28.8	29.6
85°	11.7	11.7	12.5	13.2	14.0	14.8	14.8	15.6	17.1	18.7	19.5
87.5°	3.9	4.7	4.7	5.5	6.2	7.0	7.8	8.6	10.1	11.7	12.5
90°	0.8	0.8	0.8	1.6	2.3	2.3	3.1	3.9	4.7	5.5	7.0
92.5°	7.0	7.0	6.2	7.0	7.0	7.0	7.0	7.8	8.6	8.6	10.1
95°	21.0	20.3	20.3	20.3	20.3	20.3	20.3	21.0	21.8	21.8	22.6
97.5°	40.5	40.5	39.7	39.7	40.5	40.5	40.5	41.3	42.8	42.1	43.6
100°	63.1	63.1	62.3	63.1	63.9	64.7	66.2	66.2	67.8	67.8	70.1
102.5°	88.8	88.8	88.0	89.6	90.4	91.9	91.9	93.5	95.8	95.8	98.9
105°	114.5	115.3	115.3	116.9	118.4	120.0	120.0	122.3	125.4	125.4	129.3
107.5°	142.6	143.3	143.3	144.9	146.5	148.0	148.8	151.9	155.0	155.8	160.5
110°	169.8	170.6	171.4	172.9	174.5	176.8	178.4	181.5	185.4	187.0	190.9



TEST NUMBER: P395522

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (5700K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	195.5	198.6	199.4	201.8	204.1	206.4	208.0	211.9	216.6	218.9	223.6
115°	225.1	226.7	227.5	229.8	232.9	235.3	236.8	240.7	245.4	248.5	254.0
117.5°	249.3	253.2	254.0	256.3	259.4	261.7	263.3	268.0	273.4	277.3	282.8
120°	275.0	278.1	281.2	282.8	285.1	288.2	289.8	294.5	300.7	304.6	310.8
122.5°	298.4	301.5	304.6	306.9	310.0	311.6	313.9	319.4	325.6	330.3	336.5
125°	321.7	325.6	328.0	330.3	334.2	335.8	338.1	343.5	349.8	355.2	361.5
127.5°	344.3	346.7	350.6	352.1	356.0	357.6	359.9	366.1	372.4	377.8	384.0
130°	365.4	368.5	371.6	372.4	377.0	379.4	381.7	387.2	394.2	399.6	405.9
132.5°	385.6	387.2	391.1	393.4	397.3	399.6	402.0	406.6	413.7	419.1	425.3
135°	404.3	405.9	410.5	412.9	415.2	417.5	420.7	425.3	432.3	437.8	444.0
137.5°	423.0	424.6	429.2	431.6	433.1	435.5	437.8	442.5	449.5	454.9	460.4
140°	440.1	441.7	444.8	447.9	449.5	451.0	453.4	458.1	464.3	469.7	475.2
142.5°	455.7	457.3	460.4	463.5	465.8	465.8	468.2	472.1	479.1	484.5	489.2
145°	470.5	471.3	474.4	477.5	480.6	480.6	481.4	485.3	491.6	497.8	502.5
147.5°	484.5	485.3	487.7	490.8	493.1	493.9	495.4	497.0	503.2	509.5	514.9
150°	497.0	497.8	499.3	502.5	504.0	505.6	507.1	507.9	512.6	518.0	524.3
152.5°	507.9	508.7	510.2	512.6	514.1	515.7	517.3	519.6	521.9	527.4	531.3
155°	518.8	519.6	520.4	522.7	524.3	525.0	525.8	528.9	531.3	534.4	538.3
157.5°	528.2	528.2	528.9	530.5	532.1	532.1	532.8	536.0	538.3	541.4	543.7
160°	536.0	536.0	536.7	538.3	538.3	539.1	539.9	542.2	543.7	547.6	550.8
162.5°	543.0	542.2	543.0	543.7	543.7	543.7	544.5	546.1	548.4	551.5	554.7
165°	548.4	548.4	548.4	549.2	549.2	548.4	548.4	550.0	551.5	553.9	556.2
167.5°	553.1	553.1	552.3	553.1	552.3	552.3	551.5	552.3	553.1	555.4	557.0
170°	557.0	556.2	556.2	556.2	555.4	554.7	554.7	554.7	554.7	556.2	557.8
172.5°	560.1	559.3	558.5	558.5	557.0	556.2	556.2	555.4	555.4	556.2	557.0
175°	560.9	560.1	559.3	559.3	557.8	557.0	556.2	556.2	555.4	556.2	557.0
177.5°	562.4	561.7	560.1	560.1	558.5	557.0	557.0	556.2	555.4	556.2	556.2
180°	554.7	554.7	554.7	554.7	554.7	554.7	554.7	554.7	554.7	554.7	554.7



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CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (5700K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	310.8	310.8	310.8	310.8	310.8	310.8	310.8	310.8	310.8	310.8
2.5°	312.4	312.4	311.6	310.8	310.8	310.0	309.3	308.5	307.7	306.9
5°	312.4	311.6	310.8	310.8	310.0	310.0	310.0	309.3	308.5	308.5
7.5°	312.4	312.4	311.6	310.8	310.8	310.8	310.8	310.8	310.0	310.0
10°	312.4	311.6	311.6	311.6	310.8	311.6	311.6	310.8	310.8	310.0
12.5°	311.6	311.6	311.6	311.6	311.6	311.6	311.6	311.6	311.6	310.8
15°	310.0	310.8	310.8	311.6	311.6	311.6	312.4	312.4	311.6	311.6
17.5°	309.3	310.0	310.8	311.6	311.6	311.6	312.4	312.4	312.4	312.4
20°	307.7	308.5	309.3	310.0	310.0	310.8	310.8	311.6	311.6	311.6
22.5°	304.6	305.4	306.9	307.7	308.5	309.3	310.0	310.0	310.0	310.0
25°	301.5	303.0	303.8	305.4	306.1	306.9	307.7	307.7	307.7	308.5
27.5°	297.6	299.1	301.5	302.3	303.0	303.8	304.6	305.4	305.4	305.4
30°	292.9	295.2	296.8	298.4	299.1	299.9	300.7	300.7	301.5	301.5
32.5°	287.5	289.8	291.3	292.9	293.7	294.5	296.0	296.0	296.8	296.8
35°	280.4	282.8	285.1	286.7	287.5	288.2	289.8	290.6	290.6	290.6
37.5°	273.4	275.8	278.1	280.4	281.2	282.0	283.6	283.6	284.3	284.3
40°	264.9	267.2	269.5	271.9	271.9	273.4	274.2	275.0	275.8	275.8
42.5°	256.3	258.6	260.2	262.5	263.3	264.1	264.9	266.4	266.4	267.2
45°	246.2	248.5	250.1	252.4	253.2	254.0	255.5	256.3	257.1	257.1
47.5°	235.3	236.8	238.4	240.7	242.3	243.0	243.8	244.6	245.4	244.6
50°	222.8	224.4	226.7	229.0	229.8	230.6	232.1	232.1	232.9	232.9
52.5°	209.6	211.9	213.4	215.8	216.6	217.3	218.9	218.9	219.7	219.7
55°	194.8	196.3	197.9	201.8	202.5	203.3	204.9	204.9	205.7	206.4
57.5°	180.7	181.5	183.8	185.4	187.0	187.0	187.7	188.5	189.3	189.3
60°	165.9	166.7	168.3	170.6	170.6	171.4	172.9	172.9	173.7	173.7
62.5°	150.3	151.9	153.5	155.8	155.0	155.8	157.4	157.4	158.1	158.1
65°	134.8	135.5	137.1	138.7	139.4	139.4	140.2	141.0	141.8	141.8
67.5°	118.4	120.0	120.7	123.1	122.3	123.1	123.9	123.9	124.6	124.6
70°	102.8	103.6	105.2	105.9	105.9	106.7	107.5	107.5	107.5	108.3
72.5°	87.2	88.0	88.8	89.6	89.6	90.4	91.1	91.1	91.9	91.9
75°	70.9	72.4	73.2	74.8	74.0	74.8	76.3	76.3	76.3	76.3
77.5°	56.9	57.6	59.2	60.0	60.0	60.0	61.5	60.8	61.5	61.5
80°	42.8	43.6	45.2	46.0	46.0	46.7	47.5	47.5	47.5	48.3
82.5°	30.4	31.9	33.5	34.3	34.3	35.1	35.8	35.8	36.6	36.6
85°	21.0	22.6	24.1	24.1	24.9	25.7	26.5	26.5	26.5	26.5
87.5°	14.0	14.8	15.6	16.4	17.1	17.1	17.9	17.9	18.7	18.7
90°	7.8	8.6	9.3	10.1	10.1	10.9	10.9	11.7	11.7	11.7
92.5°	10.9	10.9	11.7	12.5	12.5	12.5	12.5	13.2	13.2	13.2
95°	23.4	24.1	24.1	25.7	25.7	25.7	26.5	26.5	26.5	26.5
97.5°	45.2	45.2	45.2	46.7	46.7	46.7	47.5	47.5	47.5	48.3
100°	70.9	71.7	71.7	74.0	73.2	74.8	74.8	74.8	74.8	75.6
102.5°	99.7	101.3	102.0	104.4	104.4	104.4	105.9	105.2	105.9	105.9
105°	130.9	132.4	133.2	135.5	137.1	137.1	138.7	137.9	138.7	139.4
107.5°	162.0	164.4	165.9	168.3	169.8	170.6	170.6	171.4	172.2	172.9
110°	194.0	196.3	200.2	202.5	203.3	204.9	205.7	206.4	207.2	208.8





TEST NUMBER: P395522

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (5700K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	227.5	229.8	232.9	236.0	235.3	237.6	239.2	239.9	240.7	239.9
115°	257.9	261.0	264.1	267.2	267.2	268.8	271.9	272.7	272.7	274.2
117.5°	286.7	290.6	293.7	296.8	297.6	299.1	301.5	303.8	303.8	305.4
120°	314.7	319.4	322.5	325.6	327.2	328.0	330.3	333.4	333.4	333.4
122.5°	341.2	345.1	349.0	352.1	353.7	355.2	356.8	360.7	360.7	362.2
125°	366.1	370.8	374.7	377.8	379.4	380.9	384.0	386.4	387.2	387.2
127.5°	389.5	394.2	398.1	402.0	402.7	404.3	407.4	410.5	411.3	412.1
130°	411.3	416.0	419.9	423.8	425.3	426.1	430.0	432.3	433.9	434.7
132.5°	430.8	435.5	439.4	443.3	444.8	446.4	448.7	452.6	453.4	453.4
135°	448.7	453.4	457.3	462.0	462.7	464.3	467.4	469.7	471.3	472.1
137.5°	465.1	469.7	474.4	478.3	479.9	480.6	483.8	486.9	488.4	489.2
140°	479.9	484.5	489.2	492.3	493.1	495.4	497.8	500.9	502.5	503.2
142.5°	493.9	497.8	501.7	505.6	506.4	507.9	510.2	513.4	514.9	515.7
145°	506.4	510.2	513.4	516.5	517.3	518.8	521.2	523.5	525.0	525.8
147.5°	518.0	521.2	524.3	526.6	527.4	528.9	530.5	532.1	533.6	534.4
150°	528.2	529.7	532.8	534.4	535.2	536.7	538.3	539.9	541.4	542.2
152.5°	536.0	538.3	539.9	542.2	543.0	543.7	545.3	546.9	548.4	548.4
155°	542.2	544.5	546.1	548.4	549.2	550.0	551.5	552.3	553.9	553.9
157.5°	546.9	549.2	550.8	552.3	553.1	553.9	554.7	556.2	557.8	557.8
160°	552.3	553.1	553.9	555.4	555.4	556.2	557.0	557.8	559.3	559.3
162.5°	557.0	557.8	556.2	557.0	556.2	557.0	557.8	558.5	559.3	559.3
165°	558.5	560.1	559.3	560.1	560.1	560.1	560.1	560.9	560.9	560.9
167.5°	558.5	560.1	559.3	559.3	560.1	560.1	560.9	561.7	561.7	561.7
170°	558.5	559.3	558.5	557.8	558.5	558.5	558.5	559.3	559.3	559.3
172.5°	557.8	558.5	557.0	556.2	556.2	556.2	555.4	555.4	554.7	554.7
175°	557.0	557.0	555.4	554.7	554.7	554.7	553.1	552.3	551.5	550.8
177.5°	556.2	556.2	553.9	553.1	553.1	552.3	552.3	550.8	550.8	550.0
180°	554.7	554.7	554.7	554.7	554.7	554.7	554.7	554.7	554.7	554.7

(END OF REPORT)