

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: P395523

Luminaire Tested: **I3-FL-30L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395523  
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 (6500K)  
Description: CORELITE I3, FROSTED TOP COVER  
3000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2862.1 lumens  
Efficiency: N/A  
Efficacy: 132.5 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

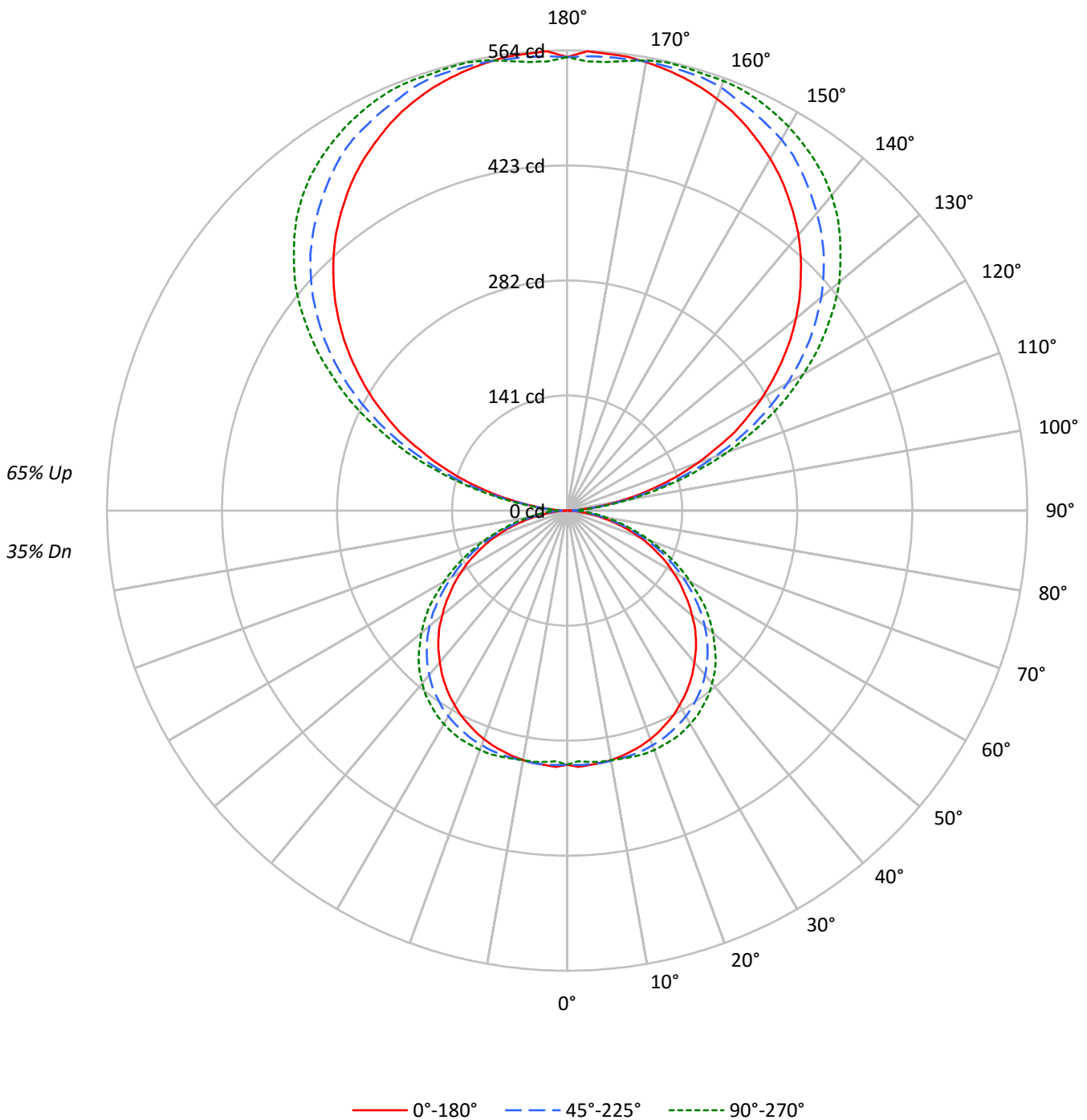
Input Watts (W): 21.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (6500K)

### 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°	1712	1712	1712
5°	1721	1683	1657
10°	1721	1660	1637
15°	1717	1646	1631
20°	1718	1632	1629
25°	1713	1617	1622
30°	1707	1602	1608
35°	1699	1576	1584
40°	1681	1543	1549
45°	1664	1495	1502
50°	1626	1429	1428
55°	1579	1339	1343
60°	1527	1234	1213
65°	1452	1106	1078
70°	1348	943	910
75°	1173	748	724
80°	915	531	530
85°	496	305	347



TEST NUMBER: P395523

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (6500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.7	1.0
10°-20°	87.3	3.1
20°-30°	137.7	4.8
30°-40°	173.1	6.0
40°-50°	186.1	6.5
50°-60°	171.2	6.0
60°-70°	131.2	4.6
70°-80°	74.7	2.6
80°-90°	23.3	0.8
90°-100°	31.2	1.1
100°-110°	135.6	4.7
110°-120°	248.3	8.7
120°-130°	320.1	11.2
130°-140°	340.6	11.9
140°-150°	313.4	10.9
150°-160°	248.2	8.7
160°-170°	157.2	5.5
170°-180°	53.2	1.9
0°-30°	254.7	8.9
0°-40°	427.8	14.9
0°-60°	785.1	27.4
0°-90°	1014.3	35.4
90°-120°	415.1	14.5
90°-150°	1389.2	48.5
90°-180°	1848.0	64.6
0°-180°	2862.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	311	311	311	311	311	
5°	313	310	312	311	309	30
15°	305	304	310	312	312	86
25°	288	289	300	307	309	133
35°	261	264	279	288	291	163
45°	223	229	244	254	258	172
55°	175	182	193	203	207	157
65°	122	126	134	140	142	121
75°	64	66	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°	115	120	130	137	140	122
115°	226	236	254	268	275	221
125°	322	336	362	380	388	288
135°	405	418	445	464	473	313
145°	471	482	503	518	527	295
155°	520	526	539	550	555	240
165°	550	550	557	561	562	155
175°	562	558	558	556	552	54
180°	556	556	556	556	556	



TEST NUMBER: P395523

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	311.4	311.4	311.4	311.4	311.4	311.4	311.4	311.4	311.4	311.4	311.4
2.5°	314.5	313.8	313.0	311.4	311.4	310.6	310.6	310.6	310.6	311.4	312.2
5°	313.0	313.0	312.2	310.6	310.6	309.9	309.9	310.6	309.9	310.6	312.2
7.5°	312.2	312.2	311.4	309.9	309.9	309.9	309.9	309.9	309.9	310.6	312.2
10°	310.6	310.6	309.1	308.3	308.3	308.3	308.3	309.1	309.1	309.9	311.4
12.5°	308.3	307.5	306.7	306.0	306.0	306.0	306.7	307.5	307.5	309.1	310.6
15°	305.2	305.2	304.4	303.6	303.6	303.6	304.4	305.2	306.0	307.5	309.9
17.5°	302.1	302.1	301.3	301.3	301.3	301.3	302.1	302.8	304.4	306.0	308.3
20°	298.2	298.2	297.4	297.4	297.4	298.2	298.2	299.7	301.3	303.6	306.0
22.5°	293.5	293.5	293.5	292.7	293.5	294.2	295.0	296.6	298.2	300.5	303.6
25°	288.0	288.0	288.0	288.0	288.8	288.8	290.3	291.9	293.5	296.6	299.7
27.5°	282.5	282.5	282.5	281.8	283.3	284.1	284.9	287.2	288.8	292.7	295.8
30°	275.5	275.5	275.5	276.3	277.1	277.9	279.4	281.8	283.3	287.2	291.1
32.5°	268.5	268.5	268.5	268.5	270.8	271.6	272.4	274.7	277.9	281.8	285.7
35°	260.7	260.7	260.7	261.5	263.0	263.8	265.4	267.7	270.8	274.7	278.6
37.5°	252.1	252.9	252.9	253.7	255.2	256.8	258.3	260.7	263.8	267.7	271.6
40°	242.7	243.5	243.5	244.3	245.9	247.4	249.0	252.1	255.2	259.1	263.0
42.5°	233.4	234.1	234.1	235.7	237.3	238.8	240.4	243.5	246.6	250.5	253.7
45°	223.2	224.0	224.0	225.6	227.9	228.7	231.0	234.1	237.3	240.4	243.5
47.5°	212.3	213.1	213.1	214.6	217.0	218.5	220.1	223.2	225.6	229.5	232.6
50°	199.8	200.6	201.4	202.9	206.1	207.6	209.2	211.5	214.6	217.0	220.1
52.5°	188.1	188.1	188.9	190.4	192.8	194.3	195.1	197.5	201.4	204.5	207.6
55°	174.8	175.6	176.4	178.0	180.3	181.9	182.6	185.0	187.3	189.7	192.8
57.5°	163.1	163.1	163.9	165.5	167.8	168.6	169.4	170.9	174.1	176.4	178.7
60°	149.1	149.9	150.6	152.2	153.8	155.3	155.3	157.7	160.0	162.3	163.9
62.5°	136.6	136.6	137.4	138.9	139.7	141.3	141.3	143.6	145.2	147.5	149.1
65°	121.8	122.5	123.3	124.1	125.7	125.7	126.4	128.0	129.6	131.1	133.5
67.5°	108.5	108.5	109.3	110.1	110.8	110.8	111.6	113.2	114.7	116.3	117.9
70°	93.7	94.4	94.4	94.4	95.2	96.0	96.8	97.6	99.1	99.9	101.5
72.5°	78.8	78.8	79.6	79.6	80.4	81.2	82.0	82.7	83.5	85.1	85.9
75°	64.0	64.0	64.8	64.8	65.6	65.6	65.6	67.1	67.9	69.5	70.2
77.5°	49.2	50.0	50.0	50.0	50.7	51.5	51.5	52.3	53.9	54.6	55.4
80°	35.9	35.9	35.9	35.9	36.7	37.5	38.2	38.2	39.8	41.4	42.1
82.5°	22.6	22.6	23.4	24.2	24.2	25.0	25.8	26.5	28.1	28.9	29.7
85°	11.7	11.7	12.5	13.3	14.0	14.8	14.8	15.6	17.2	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°	21.1	20.3	20.3	20.3	20.3	20.3	20.3	21.1	21.9	21.9	22.6
97.5°	40.6	40.6	39.8	39.8	40.6	40.6	40.6	41.4	42.9	42.1	43.7
100°	63.2	63.2	62.4	63.2	64.0	64.8	66.3	66.3	67.9	67.9	70.2
102.5°	89.0	89.0	88.2	89.8	90.5	92.1	92.1	93.7	96.0	96.0	99.1
105°	114.7	115.5	115.5	117.1	118.6	120.2	120.2	122.5	125.7	125.7	129.6
107.5°	142.8	143.6	143.6	145.2	146.7	148.3	149.1	152.2	155.3	156.1	160.8
110°	170.1	170.9	171.7	173.3	174.8	177.2	178.7	181.9	185.8	187.3	191.2



TEST NUMBER: P395523

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	195.9	199.0	199.8	202.1	204.5	206.8	208.4	212.3	217.0	219.3	224.0
115°	225.6	227.1	227.9	230.2	233.4	235.7	237.3	241.2	245.9	249.0	254.4
117.5°	249.8	253.7	254.4	256.8	259.9	262.2	263.8	268.5	274.0	277.9	283.3
120°	275.5	278.6	281.8	283.3	285.7	288.8	290.3	295.0	301.3	305.2	311.4
122.5°	298.9	302.1	305.2	307.5	310.6	312.2	314.5	320.0	326.2	330.9	337.2
125°	322.3	326.2	328.6	330.9	334.8	336.4	338.7	344.2	350.4	355.9	362.2
127.5°	345.0	347.3	351.2	352.8	356.7	358.2	360.6	366.8	373.1	378.5	384.8
130°	366.1	369.2	372.3	373.1	377.8	380.1	382.4	387.9	394.9	400.4	406.6
132.5°	386.3	387.9	391.8	394.2	398.1	400.4	402.7	407.4	414.4	419.9	426.2
135°	405.1	406.6	411.3	413.7	416.0	418.3	421.5	426.2	433.2	438.6	444.9
137.5°	423.8	425.4	430.1	432.4	434.0	436.3	438.6	443.3	450.3	455.8	461.3
140°	441.0	442.5	445.7	448.8	450.3	451.9	454.3	458.9	465.2	470.6	476.1
142.5°	456.6	458.2	461.3	464.4	466.7	466.7	469.1	473.0	480.0	485.5	490.2
145°	471.4	472.2	475.3	478.4	481.6	481.6	482.3	486.3	492.5	498.7	503.4
147.5°	485.5	486.3	488.6	491.7	494.1	494.8	496.4	498.0	504.2	510.4	515.9
150°	498.0	498.7	500.3	503.4	505.0	506.5	508.1	508.9	513.6	519.0	525.3
152.5°	508.9	509.7	511.2	513.6	515.1	516.7	518.3	520.6	522.9	528.4	532.3
155°	519.8	520.6	521.4	523.7	525.3	526.1	526.8	530.0	532.3	535.4	539.3
157.5°	529.2	529.2	530.0	531.5	533.1	533.1	533.9	537.0	539.3	542.4	544.8
160°	537.0	537.0	537.8	539.3	539.3	540.1	540.9	543.2	544.8	548.7	551.8
162.5°	544.0	543.2	544.0	544.8	544.8	544.8	545.6	547.1	549.5	552.6	555.7
165°	549.5	549.5	549.5	550.3	550.3	549.5	549.5	551.0	552.6	554.9	557.3
167.5°	554.2	554.2	553.4	554.2	553.4	553.4	552.6	553.4	554.2	556.5	558.1
170°	558.1	557.3	557.3	557.3	556.5	555.7	555.7	555.7	555.7	557.3	558.8
172.5°	561.2	560.4	559.6	559.6	558.1	557.3	557.3	556.5	556.5	557.3	558.1
175°	562.0	561.2	560.4	560.4	558.8	558.1	557.3	557.3	556.5	557.3	558.1
177.5°	563.5	562.7	561.2	561.2	559.6	558.1	558.1	557.3	556.5	557.3	558.1
180°	555.7	555.7	555.7	555.7	555.7	555.7	555.7	555.7	555.7	555.7	555.7



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	311.4	311.4	311.4	311.4	311.4	311.4	311.4	311.4	311.4	311.4
2.5°	313.0	313.0	312.2	311.4	311.4	310.6	309.9	309.1	308.3	307.5
5°	313.0	312.2	311.4	311.4	310.6	310.6	310.6	309.9	309.1	309.1
7.5°	313.0	313.0	312.2	311.4	311.4	311.4	311.4	311.4	310.6	310.6
10°	313.0	312.2	312.2	312.2	311.4	312.2	312.2	311.4	311.4	310.6
12.5°	312.2	312.2	312.2	312.2	312.2	312.2	312.2	312.2	312.2	311.4
15°	310.6	311.4	311.4	312.2	312.2	312.2	313.0	313.0	312.2	312.2
17.5°	309.9	310.6	311.4	312.2	312.2	312.2	313.0	313.0	313.0	313.0
20°	308.3	309.1	309.9	310.6	310.6	311.4	311.4	312.2	312.2	312.2
22.5°	305.2	306.0	307.5	308.3	309.1	309.9	310.6	310.6	310.6	310.6
25°	302.1	303.6	304.4	306.0	306.7	307.5	308.3	308.3	308.3	309.1
27.5°	298.2	299.7	302.1	302.8	303.6	304.4	305.2	306.0	306.0	306.0
30°	293.5	295.8	297.4	298.9	299.7	300.5	301.3	301.3	302.1	302.1
32.5°	288.0	290.3	291.9	293.5	294.2	295.0	296.6	296.6	297.4	297.4
35°	281.0	283.3	285.7	287.2	288.0	288.8	290.3	291.1	291.1	291.1
37.5°	274.0	276.3	278.6	281.0	281.8	282.5	284.1	284.1	284.9	284.9
40°	265.4	267.7	270.1	272.4	272.4	274.0	274.7	275.5	276.3	276.3
42.5°	256.8	259.1	260.7	263.0	263.8	264.6	265.4	266.9	266.9	267.7
45°	246.6	249.0	250.5	252.9	253.7	254.4	256.0	256.8	257.6	257.6
47.5°	235.7	237.3	238.8	241.2	242.7	243.5	244.3	245.1	245.9	245.1
50°	223.2	224.8	227.1	229.5	230.2	231.0	232.6	232.6	233.4	233.4
52.5°	210.0	212.3	213.9	216.2	217.0	217.8	219.3	219.3	220.1	220.1
55°	195.1	196.7	198.2	202.1	202.9	203.7	205.3	205.3	206.1	206.8
57.5°	181.1	181.9	184.2	185.8	187.3	187.3	188.1	188.9	189.7	189.7
60°	166.2	167.0	168.6	170.9	170.9	171.7	173.3	173.3	174.1	174.1
62.5°	150.6	152.2	153.8	156.1	155.3	156.1	157.7	157.7	158.4	158.4
65°	135.0	135.8	137.4	138.9	139.7	139.7	140.5	141.3	142.1	142.1
67.5°	118.6	120.2	121.0	123.3	122.5	123.3	124.1	124.1	124.9	124.9
70°	103.0	103.8	105.4	106.1	106.1	106.9	107.7	107.7	107.7	108.5
72.5°	87.4	88.2	89.0	89.8	89.8	90.5	91.3	91.3	92.1	92.1
75°	71.0	72.6	73.4	74.9	74.1	74.9	76.5	76.5	76.5	76.5
77.5°	57.0	57.8	59.3	60.1	60.1	60.1	61.7	60.9	61.7	61.7
80°	42.9	43.7	45.3	46.0	46.0	46.8	47.6	47.6	47.6	48.4
82.5°	30.4	32.0	33.6	34.3	34.3	35.1	35.9	35.9	36.7	36.7
85°	21.1	22.6	24.2	24.2	25.0	25.8	26.5	26.5	26.5	26.5
87.5°	14.0	14.8	15.6	16.4	17.2	17.2	18.0	18.0	18.7	18.7
90°	7.8	8.6	9.4	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	13.3	13.3	13.3
95°	23.4	24.2	24.2	25.8	25.8	25.8	26.5	26.5	26.5	26.5
97.5°	45.3	45.3	45.3	46.8	46.8	46.8	47.6	47.6	47.6	48.4
100°	71.0	71.8	71.8	74.1	73.4	74.9	74.9	74.9	74.9	75.7
102.5°	99.9	101.5	102.2	104.6	104.6	104.6	106.1	105.4	106.1	106.1
105°	131.1	132.7	133.5	135.8	137.4	137.4	138.9	138.1	138.9	139.7
107.5°	162.3	164.7	166.2	168.6	170.1	170.9	170.9	171.7	172.5	173.3
110°	194.3	196.7	200.6	202.9	203.7	205.3	206.1	206.8	207.6	209.2





TEST NUMBER: P395523

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	227.9	230.2	233.4	236.5	235.7	238.1	239.6	240.4	241.2	240.4
115°	258.3	261.5	264.6	267.7	267.7	269.3	272.4	273.2	273.2	274.7
117.5°	287.2	291.1	294.2	297.4	298.2	299.7	302.1	304.4	304.4	306.0
120°	315.3	320.0	323.1	326.2	327.8	328.6	330.9	334.1	334.1	334.1
122.5°	341.9	345.8	349.7	352.8	354.3	355.9	357.5	361.4	361.4	362.9
125°	366.8	371.5	375.4	378.5	380.1	381.7	384.8	387.1	387.9	387.9
127.5°	390.2	394.9	398.8	402.7	403.5	405.1	408.2	411.3	412.1	412.9
130°	412.1	416.8	420.7	424.6	426.2	426.9	430.8	433.2	434.7	435.5
132.5°	431.6	436.3	440.2	444.1	445.7	447.2	449.6	453.5	454.3	454.3
135°	449.6	454.3	458.2	462.8	463.6	465.2	468.3	470.6	472.2	473.0
137.5°	466.0	470.6	475.3	479.2	480.8	481.6	484.7	487.8	489.4	490.2
140°	480.8	485.5	490.2	493.3	494.1	496.4	498.7	501.9	503.4	504.2
142.5°	494.8	498.7	502.6	506.5	507.3	508.9	511.2	514.3	515.9	516.7
145°	507.3	511.2	514.3	517.5	518.3	519.8	522.2	524.5	526.1	526.8
147.5°	519.0	522.2	525.3	527.6	528.4	530.0	531.5	533.1	534.6	535.4
150°	529.2	530.7	533.9	535.4	536.2	537.8	539.3	540.9	542.4	543.2
152.5°	537.0	539.3	540.9	543.2	544.0	544.8	546.3	547.9	549.5	549.5
155°	543.2	545.6	547.1	549.5	550.3	551.0	552.6	553.4	554.9	554.9
157.5°	547.9	550.3	551.8	553.4	554.2	554.9	555.7	557.3	558.8	558.8
160°	553.4	554.2	554.9	556.5	556.5	557.3	558.1	558.8	560.4	560.4
162.5°	558.1	558.8	557.3	558.1	557.3	558.1	558.8	559.6	560.4	560.4
165°	559.6	561.2	560.4	561.2	561.2	561.2	561.2	562.0	562.0	562.0
167.5°	559.6	561.2	560.4	560.4	561.2	561.2	562.0	562.7	562.7	562.7
170°	559.6	560.4	559.6	558.8	559.6	559.6	559.6	560.4	560.4	560.4
172.5°	558.8	559.6	558.1	557.3	557.3	557.3	556.5	556.5	555.7	555.7
175°	558.1	558.1	556.5	555.7	555.7	555.7	554.2	553.4	552.6	551.8
177.5°	557.3	557.3	554.9	554.2	554.2	553.4	553.4	551.8	551.8	551.0
180°	555.7	555.7	555.7	555.7	555.7	555.7	555.7	555.7	555.7	555.7

(END OF REPORT)