

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: P395607

Luminaire Tested: **I3-FL-60L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395607  
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-60L92765-1D-UNV-W2A-W-4 (2700K)  
Description: CORELITE I3, FROSTED TOP COVER  
6000 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: 4302.9 lumens  
Efficiency: N/A  
Efficacy: 97.8 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

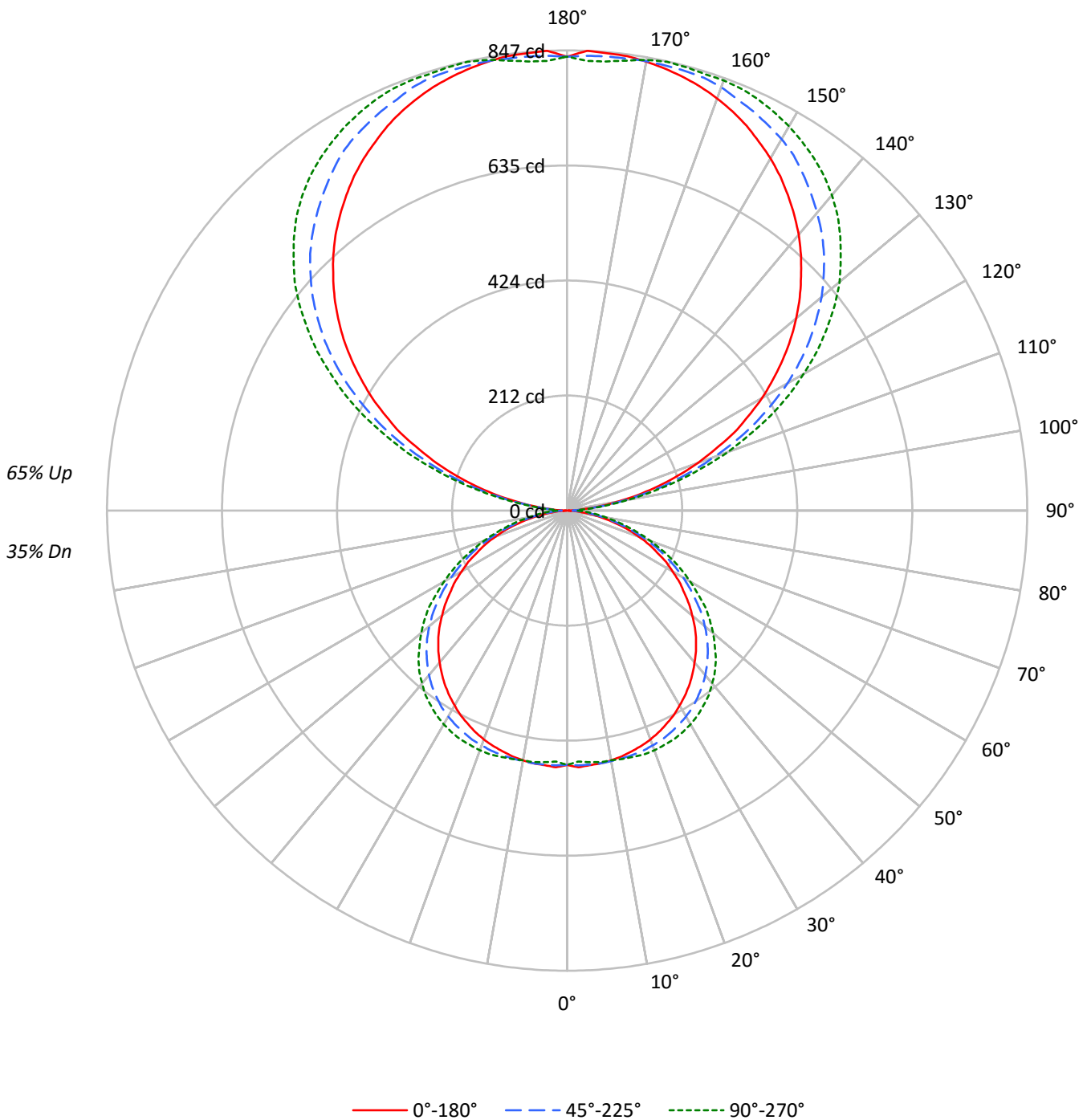
Input Watts (W): 44  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: I3-FL-60L92765-1D-UNV-W2A-W-4 (2700K)

### 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	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°	2573	2573	2573
5°	2586	2531	2491
10°	2587	2496	2462
15°	2581	2474	2452
20°	2582	2453	2449
25°	2575	2431	2439
30°	2566	2408	2417
35°	2554	2370	2381
40°	2528	2320	2329
45°	2502	2248	2257
50°	2445	2149	2147
55°	2374	2013	2018
60°	2294	1855	1824
65°	2181	1662	1620
70°	2026	1416	1368
75°	1763	1126	1088
80°	1377	800	796
85°	747	458	523



TEST NUMBER: P395607

CATALOG NUMBER: I3-FL-60L92765-1D-UNV-W2A-W-4 (2700K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.6	1.0
10°-20°	131.3	3.1
20°-30°	207.0	4.8
30°-40°	260.2	6.0
40°-50°	279.8	6.5
50°-60°	257.4	6.0
60°-70°	197.2	4.6
70°-80°	112.3	2.6
80°-90°	35.1	0.8
90°-100°	46.9	1.1
100°-110°	203.9	4.7
110°-120°	373.3	8.7
120°-130°	481.2	11.2
130°-140°	512.0	11.9
140°-150°	471.1	10.9
150°-160°	373.2	8.7
160°-170°	236.3	5.5
170°-180°	80.0	1.9
0°-30°	383.0	8.9
0°-40°	643.2	14.9
0°-60°	1180.3	27.4
0°-90°	1524.9	35.4
90°-120°	624.1	14.5
90°-150°	2088.5	48.5
90°-180°	2778.0	64.6
0°-180°	4302.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	468	468	468	468	468	
5°	470	466	469	467	465	45
15°	459	456	466	469	469	130
25°	433	434	451	461	465	200
35°	392	397	419	433	438	245
45°	336	344	366	381	387	258
55°	263	273	290	305	311	236
65°	183	189	201	210	214	182
75°	96	99	106	112	115	102
85°	18	22	29	38	40	22
90°	1	4	11	15	18	3
95°	32	30	34	39	40	40
105°	172	181	195	206	210	184
115°	339	354	382	402	413	333
125°	485	506	544	571	583	433
135°	609	629	669	697	711	470
145°	709	724	757	779	792	444
155°	782	791	811	827	834	360
165°	826	826	838	844	845	233
175°	845	839	839	835	830	80
180°	835	835	835	835	835	



TEST NUMBER: P395607

CATALOG NUMBER: I3-FL-60L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2
2.5°	472.9	471.7	470.5	468.2	468.2	467.0	467.0	467.0	467.0	468.2	469.4
5°	470.5	470.5	469.4	467.0	467.0	465.8	465.8	467.0	465.8	467.0	469.4
7.5°	469.4	469.4	468.2	465.8	465.8	465.8	465.8	465.8	465.8	467.0	469.4
10°	467.0	467.0	464.7	463.5	463.5	463.5	463.5	464.7	464.7	465.8	468.2
12.5°	463.5	462.3	461.1	460.0	460.0	460.0	461.1	462.3	462.3	464.7	467.0
15°	458.8	458.8	457.6	456.4	456.4	456.4	457.6	458.8	460.0	462.3	465.8
17.5°	454.1	454.1	452.9	452.9	452.9	452.9	454.1	455.3	457.6	460.0	463.5
20°	448.2	448.2	447.1	447.1	447.1	448.2	448.2	450.6	452.9	456.4	460.0
22.5°	441.2	441.2	441.2	440.0	441.2	442.4	443.5	445.9	448.2	451.7	456.4
25°	433.0	433.0	433.0	433.0	434.1	434.1	436.5	438.8	441.2	445.9	450.6
27.5°	424.8	424.8	424.8	423.6	425.9	427.1	428.3	431.8	434.1	440.0	444.7
30°	414.2	414.2	414.2	415.4	416.5	417.7	420.1	423.6	425.9	431.8	437.7
32.5°	403.6	403.6	403.6	403.6	407.2	408.3	409.5	413.0	417.7	423.6	429.5
35°	391.9	391.9	391.9	393.1	395.4	396.6	398.9	402.5	407.2	413.0	418.9
37.5°	379.0	380.2	380.2	381.3	383.7	386.0	388.4	391.9	396.6	402.5	408.3
40°	364.9	366.1	366.1	367.3	369.6	372.0	374.3	379.0	383.7	389.6	395.4
42.5°	350.8	352.0	352.0	354.4	356.7	359.1	361.4	366.1	370.8	376.7	381.3
45°	335.6	336.8	336.8	339.1	342.6	343.8	347.3	352.0	356.7	361.4	366.1
47.5°	319.2	320.3	320.3	322.7	326.2	328.5	330.9	335.6	339.1	345.0	349.7
50°	300.4	301.6	302.7	305.1	309.8	312.1	314.5	318.0	322.7	326.2	330.9
52.5°	282.8	282.8	284.0	286.3	289.8	292.2	293.3	296.9	302.7	307.4	312.1
55°	262.8	264.0	265.2	267.5	271.0	273.4	274.6	278.1	281.6	285.1	289.8
57.5°	245.2	245.2	246.4	248.8	252.3	253.4	254.6	257.0	261.7	265.2	268.7
60°	224.1	225.3	226.5	228.8	231.2	233.5	233.5	237.0	240.5	244.1	246.4
62.5°	205.3	205.3	206.5	208.9	210.0	212.4	212.4	215.9	218.2	221.8	224.1
65°	183.0	184.2	185.4	186.6	188.9	188.9	190.1	192.4	194.8	197.1	200.6
67.5°	163.1	163.1	164.3	165.4	166.6	166.6	167.8	170.1	172.5	174.8	177.2
70°	140.8	142.0	142.0	142.0	143.2	144.3	145.5	146.7	149.0	150.2	152.5
72.5°	118.5	118.5	119.7	119.7	120.9	122.0	123.2	124.4	125.6	127.9	129.1
75°	96.2	96.2	97.4	97.4	98.6	98.6	98.6	100.9	102.1	104.4	105.6
77.5°	73.9	75.1	75.1	75.1	76.3	77.4	77.4	78.6	81.0	82.1	83.3
80°	54.0	54.0	54.0	54.0	55.1	56.3	57.5	57.5	59.8	62.2	63.4
82.5°	34.0	34.0	35.2	36.4	36.4	37.5	38.7	39.9	42.2	43.4	44.6
85°	17.6	17.6	18.8	19.9	21.1	22.3	22.3	23.5	25.8	28.2	29.3
87.5°	5.9	7.0	7.0	8.2	9.4	10.6	11.7	12.9	15.3	17.6	18.8
90°	1.2	1.2	1.2	2.3	3.5	3.5	4.7	5.9	7.0	8.2	10.6
92.5°	10.6	10.6	9.4	10.6	10.6	10.6	10.6	11.7	12.9	12.9	15.3
95°	31.7	30.5	30.5	30.5	30.5	30.5	30.5	31.7	32.9	32.9	34.0
97.5°	61.0	61.0	59.8	59.8	61.0	61.0	61.0	62.2	64.5	63.4	65.7
100°	95.0	95.0	93.9	95.0	96.2	97.4	99.7	99.7	102.1	102.1	105.6
102.5°	133.8	133.8	132.6	134.9	136.1	138.5	138.5	140.8	144.3	144.3	149.0
105°	172.5	173.7	173.7	176.0	178.4	180.7	180.7	184.2	188.9	188.9	194.8
107.5°	214.7	215.9	215.9	218.2	220.6	222.9	224.1	228.8	233.5	234.7	241.7
110°	255.8	257.0	258.1	260.5	262.8	266.4	268.7	273.4	279.3	281.6	287.5



TEST NUMBER: P395607

CATALOG NUMBER: I3-FL-60L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	294.5	299.2	300.4	303.9	307.4	310.9	313.3	319.2	326.2	329.7	336.8
115°	339.1	341.5	342.6	346.1	350.8	354.4	356.7	362.6	369.6	374.3	382.5
117.5°	375.5	381.3	382.5	386.0	390.7	394.3	396.6	403.6	411.9	417.7	425.9
120°	414.2	418.9	423.6	425.9	429.5	434.1	436.5	443.5	452.9	458.8	468.2
122.5°	449.4	454.1	458.8	462.3	467.0	469.4	472.9	481.1	490.5	497.5	506.9
125°	484.6	490.5	494.0	497.5	503.4	505.7	509.2	517.5	526.8	535.1	544.4
127.5°	518.6	522.2	528.0	530.4	536.2	538.6	542.1	551.5	560.9	569.1	578.5
130°	550.3	555.0	559.7	560.9	567.9	571.4	575.0	583.2	593.7	601.9	611.3
132.5°	580.8	583.2	589.0	592.6	598.4	601.9	605.5	612.5	623.1	631.3	640.7
135°	609.0	611.3	618.4	621.9	625.4	628.9	633.6	640.7	651.2	659.4	668.8
137.5°	637.1	639.5	646.5	650.0	652.4	655.9	659.4	666.5	677.0	685.3	693.5
140°	663.0	665.3	670.0	674.7	677.0	679.4	682.9	689.9	699.3	707.5	715.8
142.5°	686.4	688.8	693.5	698.2	701.7	701.7	705.2	711.1	721.6	729.8	736.9
145°	708.7	709.9	714.6	719.3	724.0	724.0	725.1	731.0	740.4	749.8	756.8
147.5°	729.8	731.0	734.5	739.2	742.7	743.9	746.3	748.6	758.0	767.4	775.6
150°	748.6	749.8	752.1	756.8	759.2	761.5	763.9	765.0	772.1	780.3	789.7
152.5°	765.0	766.2	768.6	772.1	774.4	776.8	779.1	782.6	786.2	794.4	800.2
155°	781.5	782.6	783.8	787.3	789.7	790.9	792.0	796.7	800.2	804.9	810.8
157.5°	795.5	795.5	796.7	799.1	801.4	801.4	802.6	807.3	810.8	815.5	819.0
160°	807.3	807.3	808.5	810.8	810.8	812.0	813.1	816.7	819.0	824.9	829.6
162.5°	817.8	816.7	817.8	819.0	819.0	819.0	820.2	822.5	826.1	830.7	835.4
165°	826.1	826.1	826.1	827.2	827.2	826.1	826.1	828.4	830.7	834.3	837.8
167.5°	833.1	833.1	831.9	833.1	831.9	831.9	830.7	831.9	833.1	836.6	839.0
170°	839.0	837.8	837.8	837.8	836.6	835.4	835.4	835.4	835.4	837.8	840.1
172.5°	843.7	842.5	841.3	841.3	839.0	837.8	837.8	836.6	836.6	837.8	839.0
175°	844.8	843.7	842.5	842.5	840.1	839.0	837.8	837.8	836.6	837.8	839.0
177.5°	847.2	846.0	843.7	843.7	841.3	839.0	839.0	837.8	836.6	837.8	837.8
180°	835.4	835.4	835.4	835.4	835.4	835.4	835.4	835.4	835.4	835.4	835.4



TEST NUMBER: P395607

CATALOG NUMBER: I3-FL-60L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2
2.5°	470.5	470.5	469.4	468.2	468.2	467.0	465.8	464.7	463.5	462.3
5°	470.5	469.4	468.2	468.2	467.0	467.0	467.0	465.8	464.7	464.7
7.5°	470.5	470.5	469.4	468.2	468.2	468.2	468.2	468.2	467.0	467.0
10°	470.5	469.4	469.4	469.4	468.2	469.4	469.4	468.2	468.2	467.0
12.5°	469.4	469.4	469.4	469.4	469.4	469.4	469.4	469.4	469.4	468.2
15°	467.0	468.2	468.2	469.4	469.4	469.4	470.5	470.5	469.4	469.4
17.5°	465.8	467.0	468.2	469.4	469.4	469.4	470.5	470.5	470.5	470.5
20°	463.5	464.7	465.8	467.0	467.0	468.2	468.2	469.4	469.4	469.4
22.5°	458.8	460.0	462.3	463.5	464.7	465.8	467.0	467.0	467.0	467.0
25°	454.1	456.4	457.6	460.0	461.1	462.3	463.5	463.5	463.5	464.7
27.5°	448.2	450.6	454.1	455.3	456.4	457.6	458.8	460.0	460.0	460.0
30°	441.2	444.7	447.1	449.4	450.6	451.7	452.9	452.9	454.1	454.1
32.5°	433.0	436.5	438.8	441.2	442.4	443.5	445.9	445.9	447.1	447.1
35°	422.4	425.9	429.5	431.8	433.0	434.1	436.5	437.7	437.7	437.7
37.5°	411.9	415.4	418.9	422.4	423.6	424.8	427.1	427.1	428.3	428.3
40°	398.9	402.5	406.0	409.5	409.5	411.9	413.0	414.2	415.4	415.4
42.5°	386.0	389.6	391.9	395.4	396.6	397.8	398.9	401.3	401.3	402.5
45°	370.8	374.3	376.7	380.2	381.3	382.5	384.9	386.0	387.2	387.2
47.5°	354.4	356.7	359.1	362.6	364.9	366.1	367.3	368.4	369.6	368.4
50°	335.6	337.9	341.5	345.0	346.1	347.3	349.7	349.7	350.8	350.8
52.5°	315.6	319.2	321.5	325.0	326.2	327.4	329.7	329.7	330.9	330.9
55°	293.3	295.7	298.0	303.9	305.1	306.3	308.6	308.6	309.8	310.9
57.5°	272.2	273.4	276.9	279.3	281.6	281.6	282.8	284.0	285.1	285.1
60°	249.9	251.1	253.4	257.0	257.0	258.1	260.5	260.5	261.7	261.7
62.5°	226.5	228.8	231.2	234.7	233.5	234.7	237.0	237.0	238.2	238.2
65°	203.0	204.2	206.5	208.9	210.0	210.0	211.2	212.4	213.6	213.6
67.5°	178.4	180.7	181.9	185.4	184.2	185.4	186.6	186.6	187.7	187.7
70°	154.9	156.1	158.4	159.6	159.6	160.8	161.9	161.9	161.9	163.1
72.5°	131.4	132.6	133.8	134.9	134.9	136.1	137.3	137.3	138.5	138.5
75°	106.8	109.1	110.3	112.6	111.5	112.6	115.0	115.0	115.0	115.0
77.5°	85.7	86.8	89.2	90.3	90.3	90.3	92.7	91.5	92.7	92.7
80°	64.5	65.7	68.1	69.2	69.2	70.4	71.6	71.6	71.6	72.7
82.5°	45.8	48.1	50.5	51.6	51.6	52.8	54.0	54.0	55.1	55.1
85°	31.7	34.0	36.4	36.4	37.5	38.7	39.9	39.9	39.9	39.9
87.5°	21.1	22.3	23.5	24.6	25.8	25.8	27.0	27.0	28.2	28.2
90°	11.7	12.9	14.1	15.3	15.3	16.4	16.4	17.6	17.6	17.6
92.5°	16.4	16.4	17.6	18.8	18.8	18.8	18.8	19.9	19.9	19.9
95°	35.2	36.4	36.4	38.7	38.7	38.7	39.9	39.9	39.9	39.9
97.5°	68.1	68.1	68.1	70.4	70.4	70.4	71.6	71.6	71.6	72.7
100°	106.8	108.0	108.0	111.5	110.3	112.6	112.6	112.6	112.6	113.8
102.5°	150.2	152.5	153.7	157.2	157.2	157.2	159.6	158.4	159.6	159.6
105°	197.1	199.5	200.6	204.2	206.5	206.5	208.9	207.7	208.9	210.0
107.5°	244.1	247.6	249.9	253.4	255.8	257.0	257.0	258.1	259.3	260.5
110°	292.2	295.7	301.6	305.1	306.3	308.6	309.8	310.9	312.1	314.5





TEST NUMBER: P395607

CATALOG NUMBER: I3-FL-60L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	342.6	346.1	350.8	355.5	354.4	357.9	360.2	361.4	362.6	361.4
115°	388.4	393.1	397.8	402.5	402.5	404.8	409.5	410.7	410.7	413.0
117.5°	431.8	437.7	442.4	447.1	448.2	450.6	454.1	457.6	457.6	460.0
120°	474.0	481.1	485.8	490.5	492.8	494.0	497.5	502.2	502.2	502.2
122.5°	513.9	519.8	525.7	530.4	532.7	535.1	537.4	543.3	543.3	545.6
125°	551.5	558.5	564.4	569.1	571.4	573.8	578.5	582.0	583.2	583.2
127.5°	586.7	593.7	599.6	605.5	606.6	609.0	613.7	618.4	619.5	620.7
130°	619.5	626.6	632.4	638.3	640.7	641.8	647.7	651.2	653.6	654.7
132.5°	648.9	655.9	661.8	667.7	670.0	672.3	675.9	681.7	682.9	682.9
135°	675.9	682.9	688.8	695.8	697.0	699.3	704.0	707.5	709.9	711.1
137.5°	700.5	707.5	714.6	720.5	722.8	724.0	728.7	733.4	735.7	736.9
140°	722.8	729.8	736.9	741.6	742.7	746.3	749.8	754.5	756.8	758.0
142.5°	743.9	749.8	755.7	761.5	762.7	765.0	768.6	773.3	775.6	776.8
145°	762.7	768.6	773.3	777.9	779.1	781.5	785.0	788.5	790.9	792.0
147.5°	780.3	785.0	789.7	793.2	794.4	796.7	799.1	801.4	803.8	804.9
150°	795.5	797.9	802.6	804.9	806.1	808.5	810.8	813.1	815.5	816.7
152.5°	807.3	810.8	813.1	816.7	817.8	819.0	821.4	823.7	826.1	826.1
155°	816.7	820.2	822.5	826.1	827.2	828.4	830.7	831.9	834.3	834.3
157.5°	823.7	827.2	829.6	831.9	833.1	834.3	835.4	837.8	840.1	840.1
160°	831.9	833.1	834.3	836.6	836.6	837.8	839.0	840.1	842.5	842.5
162.5°	839.0	840.1	837.8	839.0	837.8	839.0	840.1	841.3	842.5	842.5
165°	841.3	843.7	842.5	843.7	843.7	843.7	843.7	844.8	844.8	844.8
167.5°	841.3	843.7	842.5	842.5	843.7	843.7	844.8	846.0	846.0	846.0
170°	841.3	842.5	841.3	840.1	841.3	841.3	841.3	842.5	842.5	842.5
172.5°	840.1	841.3	839.0	837.8	837.8	837.8	836.6	836.6	835.4	835.4
175°	839.0	839.0	836.6	835.4	835.4	835.4	833.1	831.9	830.7	829.6
177.5°	837.8	837.8	834.3	833.1	833.1	831.9	831.9	829.6	829.6	828.4
180°	835.4	835.4	835.4	835.4	835.4	835.4	835.4	835.4	835.4	835.4

(END OF REPORT)