

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: P395616

Luminaire Tested: **I3-FL-60L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395616
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-60L93050-1D-UNV-W2A-W-4 (3500K)
Description: CORELITE I3, FROSTED TOP COVER
6000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4665.1 lumens
Efficiency: N/A
Efficacy: 103.9 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

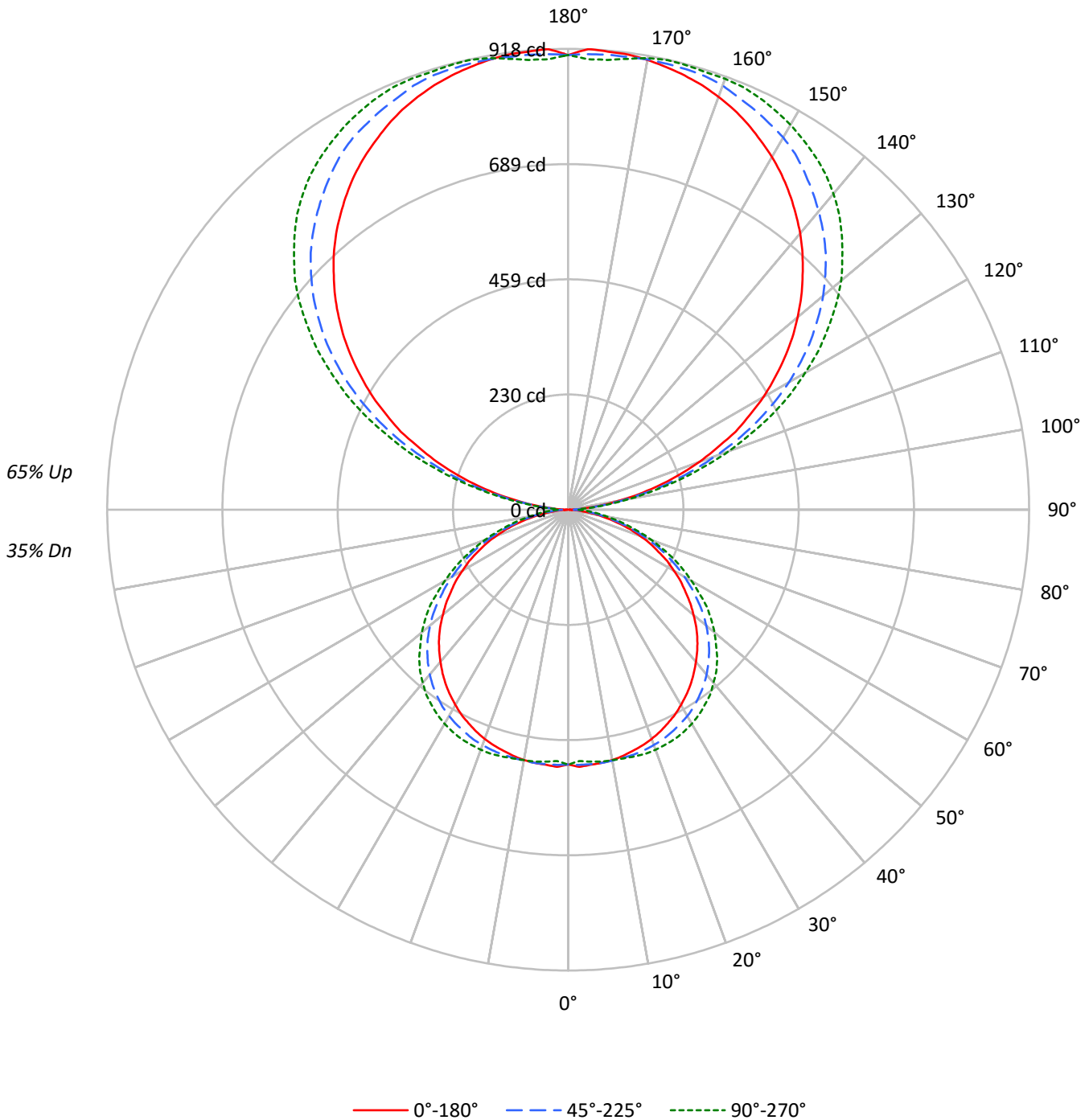
Input Watts (W): 44.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-FL-60L93050-1D-UNV-W2A-W-4 (3500K)

Luminous Intensity Polar Plot





TEST NUMBER: P395616

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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°	2790	2790	2790
5°	2804	2744	2701
10°	2805	2706	2669
15°	2798	2683	2658
20°	2799	2660	2655
25°	2791	2636	2644
30°	2782	2611	2620
35°	2769	2569	2581
40°	2741	2515	2525
45°	2712	2437	2447
50°	2651	2329	2328
55°	2575	2182	2189
60°	2488	2011	1977
65°	2366	1802	1756
70°	2197	1536	1483
75°	1911	1221	1180
80°	1492	867	864
85°	810	497	568



TEST NUMBER: P395616

CATALOG NUMBER: I3-FL-60L93050-1D-UNV-W2A-W-4 (3500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.4	1.0
10°-20°	142.3	3.1
20°-30°	224.5	4.8
30°-40°	282.1	6.0
40°-50°	303.3	6.5
50°-60°	279.0	6.0
60°-70°	213.8	4.6
70°-80°	121.7	2.6
80°-90°	38.0	0.8
90°-100°	50.8	1.1
100°-110°	221.1	4.7
110°-120°	404.8	8.7
120°-130°	521.7	11.2
130°-140°	555.1	11.9
140°-150°	510.7	10.9
150°-160°	404.6	8.7
160°-170°	256.2	5.5
170°-180°	86.7	1.9
0°-30°	415.2	8.9
0°-40°	697.3	14.9
0°-60°	1279.7	27.4
0°-90°	1653.2	35.4
90°-120°	676.7	14.5
90°-150°	2264.3	48.5
90°-180°	3012.0	64.6
0°-180°	4665.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	508	508	508	508	508	
5°	510	505	509	506	504	49
15°	497	495	505	509	509	141
25°	469	471	488	500	504	217
35°	425	430	454	469	474	266
45°	364	373	397	414	420	280
55°	285	296	314	331	337	255
65°	198	205	218	228	232	197
75°	104	107	114	121	125	110
85°	19	24	32	41	43	24
90°	1	4	11	16	19	3
95°	34	33	37	42	43	43
105°	187	196	211	224	228	199
115°	368	384	415	436	448	361
125°	525	548	590	620	632	469
135°	660	682	725	756	771	510
145°	768	785	820	845	859	481
155°	847	857	879	897	904	391
165°	896	896	908	915	916	253
175°	916	910	910	906	899	87
180°	906	906	906	906	906	



TEST NUMBER: P395616

CATALOG NUMBER: I3-FL-60L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	507.6	507.6	507.6	507.6	507.6	507.6	507.6	507.6	507.6	507.6	507.6
2.5°	512.7	511.4	510.1	507.6	507.6	506.3	506.3	506.3	506.3	507.6	508.9
5°	510.1	510.1	508.9	506.3	506.3	505.0	505.0	506.3	505.0	506.3	508.9
7.5°	508.9	508.9	507.6	505.0	505.0	505.0	505.0	505.0	505.0	506.3	508.9
10°	506.3	506.3	503.8	502.5	502.5	502.5	502.5	503.8	503.8	505.0	507.6
12.5°	502.5	501.2	500.0	498.7	498.7	498.7	500.0	501.2	501.2	503.8	506.3
15°	497.4	497.4	496.1	494.9	494.9	494.9	496.1	497.4	498.7	501.2	505.0
17.5°	492.3	492.3	491.1	491.1	491.1	491.1	492.3	493.6	496.1	498.7	502.5
20°	486.0	486.0	484.7	484.7	484.7	486.0	486.0	488.5	491.1	494.9	498.7
22.5°	478.3	478.3	478.3	477.1	478.3	479.6	480.9	483.4	486.0	489.8	494.9
25°	469.4	469.4	469.4	469.4	470.7	470.7	473.2	475.8	478.3	483.4	488.5
27.5°	460.5	460.5	460.5	459.2	461.8	463.1	464.3	468.2	470.7	477.1	482.1
30°	449.1	449.1	449.1	450.3	451.6	452.9	455.4	459.2	461.8	468.2	474.5
32.5°	437.6	437.6	437.6	437.6	441.4	442.7	444.0	447.8	452.9	459.2	465.6
35°	424.9	424.9	424.9	426.2	428.7	430.0	432.5	436.3	441.4	447.8	454.2
37.5°	410.9	412.2	412.2	413.5	416.0	418.5	421.1	424.9	430.0	436.3	442.7
40°	395.6	396.9	396.9	398.2	400.7	403.3	405.8	410.9	416.0	422.4	428.7
42.5°	380.4	381.6	381.6	384.2	386.7	389.3	391.8	396.9	402.0	408.4	413.5
45°	363.8	365.1	365.1	367.7	371.5	372.7	376.6	381.6	386.7	391.8	396.9
47.5°	346.0	347.3	347.3	349.8	353.7	356.2	358.7	363.8	367.7	374.0	379.1
50°	325.7	326.9	328.2	330.8	335.8	338.4	340.9	344.8	349.8	353.7	358.7
52.5°	306.6	306.6	307.9	310.4	314.2	316.8	318.0	321.9	328.2	333.3	338.4
55°	285.0	286.2	287.5	290.1	293.9	296.4	297.7	301.5	305.3	309.1	314.2
57.5°	265.9	265.9	267.2	269.7	273.5	274.8	276.1	278.6	283.7	287.5	291.3
60°	243.0	244.3	245.5	248.1	250.6	253.2	253.2	257.0	260.8	264.6	267.2
62.5°	222.6	222.6	223.9	226.4	227.7	230.3	230.3	234.1	236.6	240.4	243.0
65°	198.5	199.7	201.0	202.3	204.8	204.8	206.1	208.6	211.2	213.7	217.5
67.5°	176.8	176.8	178.1	179.4	180.6	180.6	181.9	184.5	187.0	189.6	192.1
70°	152.7	153.9	153.9	153.9	155.2	156.5	157.7	159.0	161.6	162.8	165.4
72.5°	128.5	128.5	129.8	129.8	131.0	132.3	133.6	134.8	136.1	138.7	139.9
75°	104.3	104.3	105.6	105.6	106.9	106.9	106.9	109.4	110.7	113.2	114.5
77.5°	80.1	81.4	81.4	81.4	82.7	84.0	84.0	85.2	87.8	89.1	90.3
80°	58.5	58.5	58.5	58.5	59.8	61.1	62.3	62.3	64.9	67.4	68.7
82.5°	36.9	36.9	38.2	39.4	39.4	40.7	42.0	43.3	45.8	47.1	48.3
85°	19.1	19.1	20.4	21.6	22.9	24.2	24.2	25.4	28.0	30.5	31.8
87.5°	6.4	7.6	7.6	8.9	10.2	11.4	12.7	14.0	16.5	19.1	20.4
90°	1.3	1.3	1.3	2.5	3.8	3.8	5.1	6.4	7.6	8.9	11.4
92.5°	11.4	11.4	10.2	11.4	11.4	11.4	11.4	12.7	14.0	14.0	16.5
95°	34.3	33.1	33.1	33.1	33.1	33.1	33.1	34.3	35.6	35.6	36.9
97.5°	66.2	66.2	64.9	64.9	66.2	66.2	66.2	67.4	70.0	68.7	71.2
100°	103.0	103.0	101.8	103.0	104.3	105.6	108.1	108.1	110.7	110.7	114.5
102.5°	145.0	145.0	143.8	146.3	147.6	150.1	150.1	152.7	156.5	156.5	161.6
105°	187.0	188.3	188.3	190.8	193.4	195.9	195.9	199.7	204.8	204.8	211.2
107.5°	232.8	234.1	234.1	236.6	239.2	241.7	243.0	248.1	253.2	254.4	262.1
110°	277.3	278.6	279.9	282.4	285.0	288.8	291.3	296.4	302.8	305.3	311.7



TEST NUMBER: P395616

CATALOG NUMBER: I3-FL-60L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	319.3	324.4	325.7	329.5	333.3	337.1	339.7	346.0	353.7	357.5	365.1
115°	367.7	370.2	371.5	375.3	380.4	384.2	386.7	393.1	400.7	405.8	414.7
117.5°	407.1	413.5	414.7	418.5	423.6	427.4	430.0	437.6	446.5	452.9	461.8
120°	449.1	454.2	459.2	461.8	465.6	470.7	473.2	480.9	491.1	497.4	507.6
122.5°	487.2	492.3	497.4	501.2	506.3	508.9	512.7	521.6	531.8	539.4	549.6
125°	525.4	531.8	535.6	539.4	545.8	548.3	552.1	561.0	571.2	580.1	590.3
127.5°	562.3	566.1	572.5	575.0	581.4	583.9	587.7	597.9	608.1	617.0	627.2
130°	596.6	601.7	606.8	608.1	615.7	619.5	623.4	632.3	643.7	652.6	662.8
132.5°	629.7	632.3	638.6	642.4	648.8	652.6	656.4	664.1	675.5	684.4	694.6
135°	660.2	662.8	670.4	674.2	678.1	681.9	687.0	694.6	706.0	715.0	725.1
137.5°	690.8	693.3	701.0	704.8	707.3	711.1	715.0	722.6	734.0	742.9	751.8
140°	718.8	721.3	726.4	731.5	734.0	736.6	740.4	748.0	758.2	767.1	776.0
142.5°	744.2	746.8	751.8	756.9	760.7	760.7	764.6	770.9	782.4	791.3	798.9
145°	768.4	769.7	774.7	779.8	784.9	784.9	786.2	792.6	802.7	812.9	820.5
147.5°	791.3	792.6	796.4	801.5	805.3	806.5	809.1	811.6	821.8	832.0	840.9
150°	811.6	812.9	815.5	820.5	823.1	825.6	828.2	829.4	837.1	846.0	856.2
152.5°	829.4	830.7	833.3	837.1	839.6	842.2	844.7	848.5	852.3	861.2	867.6
155°	847.3	848.5	849.8	853.6	856.2	857.4	858.7	863.8	867.6	872.7	879.1
157.5°	862.5	862.5	863.8	866.3	868.9	868.9	870.2	875.2	879.1	884.1	888.0
160°	875.2	875.2	876.5	879.1	879.1	880.3	881.6	885.4	888.0	894.3	899.4
162.5°	886.7	885.4	886.7	888.0	888.0	888.0	889.2	891.8	895.6	900.7	905.8
165°	895.6	895.6	895.6	896.9	896.9	895.6	895.6	898.1	900.7	904.5	908.3
167.5°	903.2	903.2	902.0	903.2	902.0	902.0	900.7	902.0	903.2	907.0	909.6
170°	909.6	908.3	908.3	908.3	907.0	905.8	905.8	905.8	905.8	908.3	910.9
172.5°	914.7	913.4	912.1	912.1	909.6	908.3	908.3	907.0	907.0	908.3	909.6
175°	916.0	914.7	913.4	913.4	910.9	909.6	908.3	908.3	907.0	908.3	909.6
177.5°	918.5	917.2	914.7	914.7	912.1	909.6	909.6	908.3	907.0	908.3	908.3
180°	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8



TEST NUMBER: P395616

CATALOG NUMBER: I3-FL-60L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	507.6	507.6	507.6	507.6	507.6	507.6	507.6	507.6	507.6	507.6
2.5°	510.1	510.1	508.9	507.6	507.6	506.3	505.0	503.8	502.5	501.2
5°	510.1	508.9	507.6	507.6	506.3	506.3	506.3	505.0	503.8	503.8
7.5°	510.1	510.1	508.9	507.6	507.6	507.6	507.6	507.6	506.3	506.3
10°	510.1	508.9	508.9	508.9	507.6	508.9	508.9	507.6	507.6	506.3
12.5°	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9	507.6
15°	506.3	507.6	507.6	508.9	508.9	508.9	510.1	510.1	508.9	508.9
17.5°	505.0	506.3	507.6	508.9	508.9	508.9	510.1	510.1	510.1	510.1
20°	502.5	503.8	505.0	506.3	506.3	507.6	507.6	508.9	508.9	508.9
22.5°	497.4	498.7	501.2	502.5	503.8	505.0	506.3	506.3	506.3	506.3
25°	492.3	494.9	496.1	498.7	500.0	501.2	502.5	502.5	502.5	503.8
27.5°	486.0	488.5	492.3	493.6	494.9	496.1	497.4	498.7	498.7	498.7
30°	478.3	482.1	484.7	487.2	488.5	489.8	491.1	491.1	492.3	492.3
32.5°	469.4	473.2	475.8	478.3	479.6	480.9	483.4	483.4	484.7	484.7
35°	458.0	461.8	465.6	468.2	469.4	470.7	473.2	474.5	474.5	474.5
37.5°	446.5	450.3	454.2	458.0	459.2	460.5	463.1	463.1	464.3	464.3
40°	432.5	436.3	440.2	444.0	444.0	446.5	447.8	449.1	450.3	450.3
42.5°	418.5	422.4	424.9	428.7	430.0	431.3	432.5	435.1	435.1	436.3
45°	402.0	405.8	408.4	412.2	413.5	414.7	417.3	418.5	419.8	419.8
47.5°	384.2	386.7	389.3	393.1	395.6	396.9	398.2	399.5	400.7	399.5
50°	363.8	366.4	370.2	374.0	375.3	376.6	379.1	379.1	380.4	380.4
52.5°	342.2	346.0	348.6	352.4	353.7	354.9	357.5	357.5	358.7	358.7
55°	318.0	320.6	323.1	329.5	330.8	332.0	334.6	334.6	335.8	337.1
57.5°	295.1	296.4	300.2	302.8	305.3	305.3	306.6	307.9	309.1	309.1
60°	271.0	272.2	274.8	278.6	278.6	279.9	282.4	282.4	283.7	283.7
62.5°	245.5	248.1	250.6	254.4	253.2	254.4	257.0	257.0	258.2	258.2
65°	220.1	221.4	223.9	226.4	227.7	227.7	229.0	230.3	231.5	231.5
67.5°	193.4	195.9	197.2	201.0	199.7	201.0	202.3	202.3	203.5	203.5
70°	167.9	169.2	171.7	173.0	173.0	174.3	175.6	175.6	175.6	176.8
72.5°	142.5	143.8	145.0	146.3	146.3	147.6	148.8	148.8	150.1	150.1
75°	115.8	118.3	119.6	122.1	120.9	122.1	124.7	124.7	124.7	124.7
77.5°	92.9	94.1	96.7	98.0	98.0	98.0	100.5	99.2	100.5	100.5
80°	70.0	71.2	73.8	75.1	75.1	76.3	77.6	77.6	77.6	78.9
82.5°	49.6	52.2	54.7	56.0	56.0	57.2	58.5	58.5	59.8	59.8
85°	34.3	36.9	39.4	39.4	40.7	42.0	43.3	43.3	43.3	43.3
87.5°	22.9	24.2	25.4	26.7	28.0	28.0	29.3	29.3	30.5	30.5
90°	12.7	14.0	15.3	16.5	16.5	17.8	17.8	19.1	19.1	19.1
92.5°	17.8	17.8	19.1	20.4	20.4	20.4	20.4	21.6	21.6	21.6
95°	38.2	39.4	39.4	42.0	42.0	42.0	43.3	43.3	43.3	43.3
97.5°	73.8	73.8	73.8	76.3	76.3	76.3	77.6	77.6	77.6	78.9
100°	115.8	117.0	117.0	120.9	119.6	122.1	122.1	122.1	122.1	123.4
102.5°	162.8	165.4	166.7	170.5	170.5	170.5	173.0	171.7	173.0	173.0
105°	213.7	216.3	217.5	221.4	223.9	223.9	226.4	225.2	226.4	227.7
107.5°	264.6	268.4	271.0	274.8	277.3	278.6	278.6	279.9	281.1	282.4
110°	316.8	320.6	326.9	330.8	332.0	334.6	335.8	337.1	338.4	340.9



TEST NUMBER: P395616

CATALOG NUMBER: I3-FL-60L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	371.5	375.3	380.4	385.5	384.2	388.0	390.6	391.8	393.1	391.8
115°	421.1	426.2	431.3	436.3	436.3	438.9	444.0	445.3	445.3	447.8
117.5°	468.2	474.5	479.6	484.7	486.0	488.5	492.3	496.1	496.1	498.7
120°	514.0	521.6	526.7	531.8	534.3	535.6	539.4	544.5	544.5	544.5
122.5°	557.2	563.6	569.9	575.0	577.6	580.1	582.6	589.0	589.0	591.6
125°	597.9	605.5	611.9	617.0	619.5	622.1	627.2	631.0	632.3	632.3
127.5°	636.1	643.7	650.1	656.4	657.7	660.2	665.3	670.4	671.7	673.0
130°	671.7	679.3	685.7	692.1	694.6	695.9	702.2	706.0	708.6	709.9
132.5°	703.5	711.1	717.5	723.9	726.4	728.9	732.8	739.1	740.4	740.4
135°	732.8	740.4	746.8	754.4	755.7	758.2	763.3	767.1	769.7	770.9
137.5°	759.5	767.1	774.7	781.1	783.6	784.9	790.0	795.1	797.6	798.9
140°	783.6	791.3	798.9	804.0	805.3	809.1	812.9	818.0	820.5	821.8
142.5°	806.5	812.9	819.3	825.6	826.9	829.4	833.3	838.3	840.9	842.2
145°	826.9	833.3	838.3	843.4	844.7	847.3	851.1	854.9	857.4	858.7
147.5°	846.0	851.1	856.2	860.0	861.2	863.8	866.3	868.9	871.4	872.7
150°	862.5	865.1	870.2	872.7	874.0	876.5	879.1	881.6	884.1	885.4
152.5°	875.2	879.1	881.6	885.4	886.7	888.0	890.5	893.1	895.6	895.6
155°	885.4	889.2	891.8	895.6	896.9	898.1	900.7	902.0	904.5	904.5
157.5°	893.1	896.9	899.4	902.0	903.2	904.5	905.8	908.3	910.9	910.9
160°	902.0	903.2	904.5	907.0	907.0	908.3	909.6	910.9	913.4	913.4
162.5°	909.6	910.9	908.3	909.6	908.3	909.6	910.9	912.1	913.4	913.4
165°	912.1	914.7	913.4	914.7	914.7	914.7	914.7	916.0	916.0	916.0
167.5°	912.1	914.7	913.4	913.4	914.7	914.7	916.0	917.2	917.2	917.2
170°	912.1	913.4	912.1	910.9	912.1	912.1	912.1	913.4	913.4	913.4
172.5°	910.9	912.1	909.6	908.3	908.3	908.3	907.0	907.0	905.8	905.8
175°	909.6	909.6	907.0	905.8	905.8	905.8	903.2	902.0	900.7	899.4
177.5°	908.3	908.3	904.5	903.2	903.2	902.0	902.0	899.4	899.4	898.1
180°	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8	905.8

(END OF REPORT)