

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: P395618

Luminaire Tested: **I3-FL-60L93050-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395618  
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 (4500K)  
Description: CORELITE I3, FROSTED TOP COVER  
6000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5126.1 lumens  
Efficiency: N/A  
Efficacy: 111.4 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

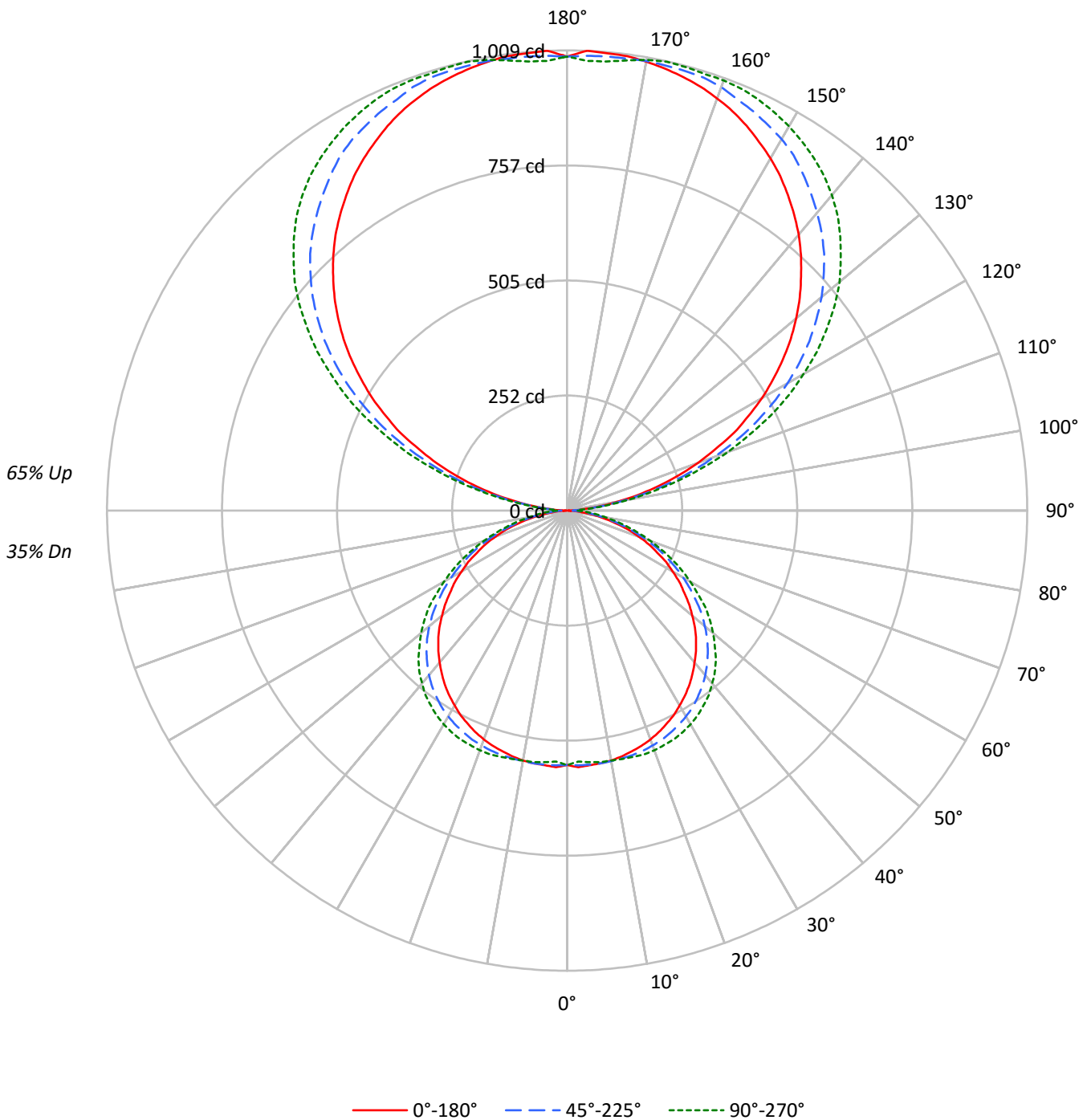
Input Watts (W): 46  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3066	3066	3066
5°	3081	3015	2968
10°	3082	2974	2933
15°	3075	2948	2921
20°	3076	2923	2916
25°	3067	2897	2906
30°	3056	2869	2879
35°	3042	2823	2837
40°	3011	2764	2774
45°	2981	2678	2689
50°	2913	2560	2558
55°	2828	2398	2405
60°	2734	2210	2172
65°	2599	1980	1929
70°	2413	1688	1630
75°	2100	1341	1297
80°	1640	953	949
85°	891	545	623



TEST NUMBER: P395618

CATALOG NUMBER: I3-FL-60L93050-1D-UNV-W2A-W-4 (4500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.2	1.0
10°-20°	156.4	3.1
20°-30°	246.7	4.8
30°-40°	310.0	6.0
40°-50°	333.3	6.5
50°-60°	306.6	6.0
60°-70°	234.9	4.6
70°-80°	133.8	2.6
80°-90°	41.8	0.8
90°-100°	55.9	1.1
100°-110°	242.9	4.7
110°-120°	444.8	8.7
120°-130°	573.3	11.2
130°-140°	610.0	11.9
140°-150°	561.2	10.9
150°-160°	444.6	8.7
160°-170°	281.5	5.5
170°-180°	95.3	1.9
0°-30°	456.2	8.9
0°-40°	766.2	14.9
0°-60°	1406.2	27.4
0°-90°	1816.6	35.4
90°-120°	743.5	14.5
90°-150°	2488.0	48.5
90°-180°	3310.0	64.6
0°-180°	5126.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	558	558	558	558	558	
5°	560	555	559	556	554	53
15°	547	544	555	559	559	155
25°	516	517	537	549	554	238
35°	467	472	499	516	521	292
45°	400	410	436	454	461	308
55°	313	326	345	363	370	281
65°	218	225	239	250	254	216
75°	115	117	126	133	137	121
85°	21	27	35	45	48	26
90°	1	4	13	18	21	3
95°	38	36	40	46	48	47
105°	206	215	232	246	250	219
115°	404	422	456	480	492	396
125°	577	602	649	681	695	516
135°	726	749	797	830	847	560
145°	844	862	902	928	944	528
155°	931	942	966	986	994	429
165°	984	984	998	1005	1006	278
175°	1006	1000	1000	995	988	96
180°	995	995	995	995	995	



TEST NUMBER: P395618

CATALOG NUMBER: I3-FL-60L93050-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8
2.5°	563.3	561.9	560.5	557.8	557.8	556.4	556.4	556.4	556.4	557.8	559.1
5°	560.5	560.5	559.1	556.4	556.4	555.0	555.0	556.4	555.0	556.4	559.1
7.5°	559.1	559.1	557.8	555.0	555.0	555.0	555.0	555.0	555.0	556.4	559.1
10°	556.4	556.4	553.6	552.2	552.2	552.2	552.2	553.6	553.6	555.0	557.8
12.5°	552.2	550.8	549.4	548.0	548.0	548.0	549.4	550.8	550.8	553.6	556.4
15°	546.6	546.6	545.2	543.8	543.8	543.8	545.2	546.6	548.0	550.8	555.0
17.5°	541.0	541.0	539.6	539.6	539.6	539.6	541.0	542.4	545.2	548.0	552.2
20°	534.0	534.0	532.6	532.6	532.6	534.0	534.0	536.8	539.6	543.8	548.0
22.5°	525.6	525.6	525.6	524.2	525.6	527.0	528.4	531.2	534.0	538.2	543.8
25°	515.8	515.8	515.8	515.8	517.2	517.2	520.0	522.8	525.6	531.2	536.8
27.5°	506.0	506.0	506.0	504.6	507.4	508.8	510.2	514.4	517.2	524.2	529.8
30°	493.4	493.4	493.4	494.8	496.2	497.6	500.4	504.6	507.4	514.4	521.4
32.5°	480.9	480.9	480.9	480.9	485.1	486.5	487.9	492.1	497.6	504.6	511.6
35°	466.9	466.9	466.9	468.3	471.1	472.5	475.3	479.5	485.1	492.1	499.0
37.5°	451.5	452.9	452.9	454.3	457.1	459.9	462.7	466.9	472.5	479.5	486.5
40°	434.7	436.1	436.1	437.5	440.3	443.1	445.9	451.5	457.1	464.1	471.1
42.5°	418.0	419.4	419.4	422.2	425.0	427.7	430.5	436.1	441.7	448.7	454.3
45°	399.8	401.2	401.2	404.0	408.2	409.6	413.8	419.4	425.0	430.5	436.1
47.5°	380.2	381.6	381.6	384.4	388.6	391.4	394.2	399.8	404.0	411.0	416.6
50°	357.9	359.3	360.7	363.4	369.0	371.8	374.6	378.8	384.4	388.6	394.2
52.5°	336.9	336.9	338.3	341.1	345.3	348.1	349.5	353.7	360.7	366.2	371.8
55°	313.1	314.5	315.9	318.7	322.9	325.7	327.1	331.3	335.5	339.7	345.3
57.5°	292.2	292.2	293.6	296.3	300.5	301.9	303.3	306.1	311.7	315.9	320.1
60°	267.0	268.4	269.8	272.6	275.4	278.2	278.2	282.4	286.6	290.8	293.6
62.5°	244.6	244.6	246.0	248.8	250.2	253.0	253.0	257.2	260.0	264.2	267.0
65°	218.1	219.5	220.9	222.3	225.1	225.1	226.5	229.3	232.0	234.8	239.0
67.5°	194.3	194.3	195.7	197.1	198.5	198.5	199.9	202.7	205.5	208.3	211.1
70°	167.7	169.1	169.1	169.1	170.5	171.9	173.3	174.7	177.5	178.9	181.7
72.5°	141.2	141.2	142.6	142.6	144.0	145.4	146.8	148.2	149.6	152.4	153.8
75°	114.6	114.6	116.0	116.0	117.4	117.4	117.4	120.2	121.6	124.4	125.8
77.5°	88.1	89.5	89.5	89.5	90.9	92.3	92.3	93.7	96.5	97.9	99.2
80°	64.3	64.3	64.3	64.3	65.7	67.1	68.5	68.5	71.3	74.1	75.5
82.5°	40.5	40.5	41.9	43.3	43.3	44.7	46.1	47.5	50.3	51.7	53.1
85°	21.0	21.0	22.4	23.8	25.2	26.6	26.6	28.0	30.8	33.5	34.9
87.5°	7.0	8.4	8.4	9.8	11.2	12.6	14.0	15.4	18.2	21.0	22.4
90°	1.4	1.4	1.4	2.8	4.2	4.2	5.6	7.0	8.4	9.8	12.6
92.5°	12.6	12.6	11.2	12.6	12.6	12.6	12.6	14.0	15.4	15.4	18.2
95°	37.7	36.3	36.3	36.3	36.3	36.3	36.3	37.7	39.1	39.1	40.5
97.5°	72.7	72.7	71.3	71.3	72.7	72.7	72.7	74.1	76.9	75.5	78.3
100°	113.2	113.2	111.8	113.2	114.6	116.0	118.8	118.8	121.6	121.6	125.8
102.5°	159.4	159.4	158.0	160.8	162.2	164.9	164.9	167.7	171.9	171.9	177.5
105°	205.5	206.9	206.9	209.7	212.5	215.3	215.3	219.5	225.1	225.1	232.0
107.5°	255.8	257.2	257.2	260.0	262.8	265.6	267.0	272.6	278.2	279.6	288.0
110°	304.7	306.1	307.5	310.3	313.1	317.3	320.1	325.7	332.7	335.5	342.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	350.9	356.5	357.9	362.0	366.2	370.4	373.2	380.2	388.6	392.8	401.2
115°	404.0	406.8	408.2	412.4	418.0	422.2	425.0	431.9	440.3	445.9	455.7
117.5°	447.3	454.3	455.7	459.9	465.5	469.7	472.5	480.9	490.7	497.6	507.4
120°	493.4	499.0	504.6	507.4	511.6	517.2	520.0	528.4	539.6	546.6	557.8
122.5°	535.4	541.0	546.6	550.8	556.4	559.1	563.3	573.1	584.3	592.7	603.9
125°	577.3	584.3	588.5	592.7	599.7	602.5	606.7	616.5	627.6	637.4	648.6
127.5°	617.9	622.1	629.0	631.8	638.8	641.6	645.8	657.0	668.2	678.0	689.2
130°	655.6	661.2	666.8	668.2	676.6	680.8	685.0	694.7	707.3	717.1	728.3
132.5°	691.9	694.7	701.7	705.9	712.9	717.1	721.3	729.7	742.3	752.1	763.2
135°	725.5	728.3	736.7	740.9	745.1	749.3	754.9	763.2	775.8	785.6	796.8
137.5°	759.0	761.8	770.2	774.4	777.2	781.4	785.6	794.0	806.6	816.4	826.1
140°	789.8	792.6	798.2	803.8	806.6	809.4	813.6	821.9	833.1	842.9	852.7
142.5°	817.8	820.6	826.1	831.7	835.9	835.9	840.1	847.1	859.7	869.5	877.9
145°	844.3	845.7	851.3	856.9	862.5	862.5	863.9	870.9	882.1	893.2	901.6
147.5°	869.5	870.9	875.1	880.7	884.9	886.3	889.0	891.8	903.0	914.2	924.0
150°	891.8	893.2	896.0	901.6	904.4	907.2	910.0	911.4	919.8	929.6	940.8
152.5°	911.4	912.8	915.6	919.8	922.6	925.4	928.2	932.4	936.6	946.4	953.3
155°	931.0	932.4	933.8	938.0	940.8	942.2	943.6	949.2	953.3	958.9	965.9
157.5°	947.8	947.8	949.2	952.0	954.7	954.7	956.1	961.7	965.9	971.5	975.7
160°	961.7	961.7	963.1	965.9	965.9	967.3	968.7	972.9	975.7	982.7	988.3
162.5°	974.3	972.9	974.3	975.7	975.7	975.7	977.1	979.9	984.1	989.7	995.3
165°	984.1	984.1	984.1	985.5	985.5	984.1	984.1	986.9	989.7	993.9	998.1
167.5°	992.5	992.5	991.1	992.5	991.1	991.1	989.7	991.1	992.5	996.7	999.5
170°	999.5	998.1	998.1	998.1	996.7	995.3	995.3	995.3	995.3	998.1	1000.9
172.5°	1005.1	1003.7	1002.3	1002.3	999.5	998.1	998.1	996.7	996.7	998.1	999.5
175°	1006.5	1005.1	1003.7	1003.7	1000.9	999.5	998.1	998.1	996.7	998.1	999.5
177.5°	1009.3	1007.9	1005.1	1005.1	1002.3	999.5	999.5	998.1	996.7	998.1	998.1
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8	557.8
2.5°	560.5	560.5	559.1	557.8	557.8	556.4	555.0	553.6	552.2	550.8
5°	560.5	559.1	557.8	557.8	556.4	556.4	556.4	555.0	553.6	553.6
7.5°	560.5	560.5	559.1	557.8	557.8	557.8	557.8	557.8	556.4	556.4
10°	560.5	559.1	559.1	559.1	557.8	559.1	559.1	557.8	557.8	556.4
12.5°	559.1	559.1	559.1	559.1	559.1	559.1	559.1	559.1	559.1	557.8
15°	556.4	557.8	557.8	559.1	559.1	559.1	560.5	560.5	559.1	559.1
17.5°	555.0	556.4	557.8	559.1	559.1	559.1	560.5	560.5	560.5	560.5
20°	552.2	553.6	555.0	556.4	556.4	557.8	557.8	559.1	559.1	559.1
22.5°	546.6	548.0	550.8	552.2	553.6	555.0	556.4	556.4	556.4	556.4
25°	541.0	543.8	545.2	548.0	549.4	550.8	552.2	552.2	552.2	553.6
27.5°	534.0	536.8	541.0	542.4	543.8	545.2	546.6	548.0	548.0	548.0
30°	525.6	529.8	532.6	535.4	536.8	538.2	539.6	539.6	541.0	541.0
32.5°	515.8	520.0	522.8	525.6	527.0	528.4	531.2	531.2	532.6	532.6
35°	503.2	507.4	511.6	514.4	515.8	517.2	520.0	521.4	521.4	521.4
37.5°	490.7	494.8	499.0	503.2	504.6	506.0	508.8	508.8	510.2	510.2
40°	475.3	479.5	483.7	487.9	487.9	490.7	492.1	493.4	494.8	494.8
42.5°	459.9	464.1	466.9	471.1	472.5	473.9	475.3	478.1	478.1	479.5
45°	441.7	445.9	448.7	452.9	454.3	455.7	458.5	459.9	461.3	461.3
47.5°	422.2	425.0	427.7	431.9	434.7	436.1	437.5	438.9	440.3	438.9
50°	399.8	402.6	406.8	411.0	412.4	413.8	416.6	416.6	418.0	418.0
52.5°	376.0	380.2	383.0	387.2	388.6	390.0	392.8	392.8	394.2	394.2
55°	349.5	352.3	355.1	362.0	363.4	364.8	367.6	367.6	369.0	370.4
57.5°	324.3	325.7	329.9	332.7	335.5	335.5	336.9	338.3	339.7	339.7
60°	297.7	299.1	301.9	306.1	306.1	307.5	310.3	310.3	311.7	311.7
62.5°	269.8	272.6	275.4	279.6	278.2	279.6	282.4	282.4	283.8	283.8
65°	241.8	243.2	246.0	248.8	250.2	250.2	251.6	253.0	254.4	254.4
67.5°	212.5	215.3	216.7	220.9	219.5	220.9	222.3	222.3	223.7	223.7
70°	184.5	185.9	188.7	190.1	190.1	191.5	192.9	192.9	192.9	194.3
72.5°	156.6	158.0	159.4	160.8	160.8	162.2	163.6	163.6	164.9	164.9
75°	127.2	130.0	131.4	134.2	132.8	134.2	137.0	137.0	137.0	137.0
77.5°	102.0	103.4	106.2	107.6	107.6	107.6	110.4	109.0	110.4	110.4
80°	76.9	78.3	81.1	82.5	82.5	83.9	85.3	85.3	85.3	86.7
82.5°	54.5	57.3	60.1	61.5	61.5	62.9	64.3	64.3	65.7	65.7
85°	37.7	40.5	43.3	43.3	44.7	46.1	47.5	47.5	47.5	47.5
87.5°	25.2	26.6	28.0	29.4	30.8	30.8	32.2	32.2	33.5	33.5
90°	14.0	15.4	16.8	18.2	18.2	19.6	19.6	21.0	21.0	21.0
92.5°	19.6	19.6	21.0	22.4	22.4	22.4	22.4	23.8	23.8	23.8
95°	41.9	43.3	43.3	46.1	46.1	46.1	47.5	47.5	47.5	47.5
97.5°	81.1	81.1	81.1	83.9	83.9	83.9	85.3	85.3	85.3	86.7
100°	127.2	128.6	128.6	132.8	131.4	134.2	134.2	134.2	134.2	135.6
102.5°	178.9	181.7	183.1	187.3	187.3	187.3	190.1	188.7	190.1	190.1
105°	234.8	237.6	239.0	243.2	246.0	246.0	248.8	247.4	248.8	250.2
107.5°	290.8	295.0	297.7	301.9	304.7	306.1	306.1	307.5	308.9	310.3
110°	348.1	352.3	359.3	363.4	364.8	367.6	369.0	370.4	371.8	374.6





TEST NUMBER: P395618

CATALOG NUMBER: I3-FL-60L93050-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	408.2	412.4	418.0	423.6	422.2	426.4	429.1	430.5	431.9	430.5
115°	462.7	468.3	473.9	479.5	479.5	482.3	487.9	489.3	489.3	492.1
117.5°	514.4	521.4	527.0	532.6	534.0	536.8	541.0	545.2	545.2	548.0
120°	564.7	573.1	578.7	584.3	587.1	588.5	592.7	598.3	598.3	598.3
122.5°	612.3	619.3	626.2	631.8	634.6	637.4	640.2	647.2	647.2	650.0
125°	657.0	665.4	672.4	678.0	680.8	683.6	689.2	693.3	694.7	694.7
127.5°	698.9	707.3	714.3	721.3	722.7	725.5	731.1	736.7	738.1	739.5
130°	738.1	746.5	753.5	760.4	763.2	764.6	771.6	775.8	778.6	780.0
132.5°	773.0	781.4	788.4	795.4	798.2	801.0	805.2	812.2	813.6	813.6
135°	805.2	813.6	820.6	828.9	830.3	833.1	838.7	842.9	845.7	847.1
137.5°	834.5	842.9	851.3	858.3	861.1	862.5	868.1	873.7	876.5	877.9
140°	861.1	869.5	877.9	883.5	884.9	889.0	893.2	898.8	901.6	903.0
142.5°	886.3	893.2	900.2	907.2	908.6	911.4	915.6	921.2	924.0	925.4
145°	908.6	915.6	921.2	926.8	928.2	931.0	935.2	939.4	942.2	943.6
147.5°	929.6	935.2	940.8	945.0	946.4	949.2	952.0	954.7	957.5	958.9
150°	947.8	950.6	956.1	958.9	960.3	963.1	965.9	968.7	971.5	972.9
152.5°	961.7	965.9	968.7	972.9	974.3	975.7	978.5	981.3	984.1	984.1
155°	972.9	977.1	979.9	984.1	985.5	986.9	989.7	991.1	993.9	993.9
157.5°	981.3	985.5	988.3	991.1	992.5	993.9	995.3	998.1	1000.9	1000.9
160°	991.1	992.5	993.9	996.7	996.7	998.1	999.5	1000.9	1003.7	1003.7
162.5°	999.5	1000.9	998.1	999.5	998.1	999.5	1000.9	1002.3	1003.7	1003.7
165°	1002.3	1005.1	1003.7	1005.1	1005.1	1005.1	1005.1	1006.5	1006.5	1006.5
167.5°	1002.3	1005.1	1003.7	1003.7	1005.1	1005.1	1006.5	1007.9	1007.9	1007.9
170°	1002.3	1003.7	1002.3	1000.9	1002.3	1002.3	1002.3	1003.7	1003.7	1003.7
172.5°	1000.9	1002.3	999.5	998.1	998.1	998.1	996.7	996.7	995.3	995.3
175°	999.5	999.5	996.7	995.3	995.3	995.3	992.5	991.1	989.7	988.3
177.5°	998.1	998.1	993.9	992.5	992.5	991.1	991.1	988.3	988.3	986.9
180°	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3	995.3

(END OF REPORT)