

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: P395596

Luminaire Tested: **I3-FL-60L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395596  
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-60L82765-1D-UNV-W2A-W-4 (3500K)  
Description: CORELITE I3, FROSTED TOP COVER  
6000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5362.1 lumens  
Efficiency: N/A  
Efficacy: 121.0 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

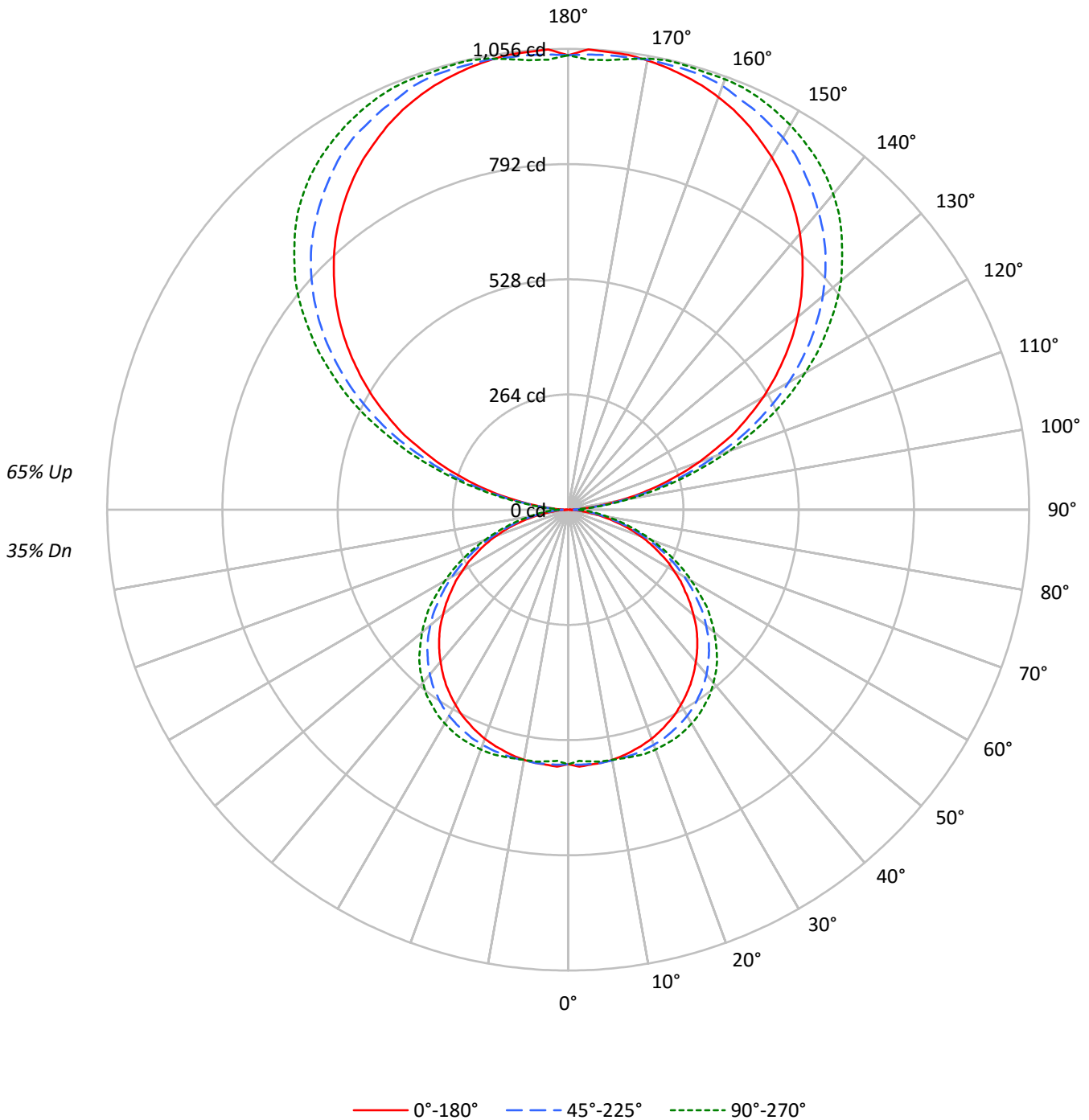
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (3500K)

### 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°	3207	3207	3207
5°	3223	3154	3104
10°	3224	3110	3068
15°	3217	3084	3055
20°	3218	3057	3051
25°	3209	3030	3039
30°	3198	3001	3012
35°	3182	2953	2967
40°	3151	2891	2902
45°	3118	2802	2813
50°	3046	2677	2676
55°	2959	2509	2516
60°	2860	2312	2273
65°	2719	2071	2018
70°	2525	1766	1705
75°	2197	1403	1356
80°	1716	997	993
85°	929	572	652



TEST NUMBER: P395596

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (3500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.6	1.0
10°-20°	163.6	3.1
20°-30°	258.0	4.8
30°-40°	324.3	6.0
40°-50°	348.7	6.5
50°-60°	320.7	6.0
60°-70°	245.7	4.6
70°-80°	139.9	2.6
80°-90°	43.7	0.8
90°-100°	58.4	1.1
100°-110°	254.1	4.7
110°-120°	465.2	8.7
120°-130°	599.7	11.2
130°-140°	638.1	11.9
140°-150°	587.1	10.9
150°-160°	465.1	8.7
160°-170°	294.5	5.5
170°-180°	99.7	1.9
0°-30°	477.2	8.9
0°-40°	801.5	14.9
0°-60°	1470.9	27.4
0°-90°	1900.2	35.4
90°-120°	777.8	14.5
90°-150°	2602.6	48.5
90°-180°	3462.0	64.6
0°-180°	5362.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	583	583	583	583	583	
5°	586	580	585	582	579	56
15°	572	569	580	585	585	162
25°	540	541	562	575	579	249
35°	488	494	522	540	545	305
45°	418	428	456	475	482	322
55°	328	341	361	380	388	294
65°	228	235	250	262	266	226
75°	120	123	132	139	143	127
85°	22	28	37	47	50	28
90°	2	4	13	19	22	3
95°	40	38	42	48	50	49
105°	215	225	243	257	262	229
115°	423	442	477	502	515	414
125°	604	630	678	712	727	539
135°	759	784	834	869	886	586
145°	883	902	943	971	987	553
155°	974	986	1010	1031	1040	449
165°	1029	1029	1044	1051	1053	291
175°	1053	1046	1046	1041	1034	100
180°	1041	1041	1041	1041	1041	



TEST NUMBER: P395596

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	583.4	583.4	583.4	583.4	583.4	583.4	583.4	583.4	583.4	583.4	583.4
2.5°	589.3	587.8	586.4	583.4	583.4	582.0	582.0	582.0	582.0	583.4	584.9
5°	586.4	586.4	584.9	582.0	582.0	580.5	580.5	582.0	580.5	582.0	584.9
7.5°	584.9	584.9	583.4	580.5	580.5	580.5	580.5	580.5	580.5	582.0	584.9
10°	582.0	582.0	579.0	577.6	577.6	577.6	577.6	579.0	579.0	580.5	583.4
12.5°	577.6	576.1	574.7	573.2	573.2	573.2	574.7	576.1	576.1	579.0	582.0
15°	571.7	571.7	570.3	568.8	568.8	568.8	570.3	571.7	573.2	576.1	580.5
17.5°	565.9	565.9	564.4	564.4	564.4	564.4	565.9	567.3	570.3	573.2	577.6
20°	558.6	558.6	557.1	557.1	557.1	558.6	558.6	561.5	564.4	568.8	573.2
22.5°	549.8	549.8	549.8	548.3	549.8	551.3	552.7	555.6	558.6	563.0	568.8
25°	539.6	539.6	539.6	539.6	541.0	541.0	543.9	546.9	549.8	555.6	561.5
27.5°	529.3	529.3	529.3	527.9	530.8	532.3	533.7	538.1	541.0	548.3	554.2
30°	516.2	516.2	516.2	517.6	519.1	520.6	523.5	527.9	530.8	538.1	545.4
32.5°	503.0	503.0	503.0	503.0	507.4	508.9	510.3	514.7	520.6	527.9	535.2
35°	488.4	488.4	488.4	489.8	492.8	494.2	497.2	501.5	507.4	514.7	522.0
37.5°	472.3	473.8	473.8	475.2	478.1	481.1	484.0	488.4	494.2	501.5	508.9
40°	454.8	456.2	456.2	457.7	460.6	463.5	466.5	472.3	478.1	485.5	492.8
42.5°	437.2	438.7	438.7	441.6	444.5	447.4	450.4	456.2	462.1	469.4	475.2
45°	418.2	419.7	419.7	422.6	427.0	428.4	432.8	438.7	444.5	450.4	456.2
47.5°	397.7	399.2	399.2	402.1	406.5	409.4	412.3	418.2	422.6	429.9	435.7
50°	374.3	375.8	377.3	380.2	386.0	389.0	391.9	396.3	402.1	406.5	412.3
52.5°	352.4	352.4	353.9	356.8	361.2	364.1	365.6	369.9	377.3	383.1	389.0
55°	327.5	329.0	330.5	333.4	337.8	340.7	342.2	346.5	350.9	355.3	361.2
57.5°	305.6	305.6	307.1	310.0	314.4	315.8	317.3	320.2	326.1	330.5	334.9
60°	279.3	280.7	282.2	285.1	288.1	291.0	291.0	295.4	299.8	304.1	307.1
62.5°	255.9	255.9	257.4	260.3	261.7	264.7	264.7	269.1	272.0	276.4	279.3
65°	228.1	229.6	231.0	232.5	235.4	235.4	236.9	239.8	242.7	245.7	250.0
67.5°	203.2	203.2	204.7	206.2	207.6	207.6	209.1	212.0	214.9	217.9	220.8
70°	175.5	176.9	176.9	176.9	178.4	179.9	181.3	182.8	185.7	187.2	190.1
72.5°	147.7	147.7	149.1	149.1	150.6	152.1	153.5	155.0	156.5	159.4	160.8
75°	119.9	119.9	121.4	121.4	122.8	122.8	122.8	125.8	127.2	130.1	131.6
77.5°	92.1	93.6	93.6	93.6	95.0	96.5	96.5	98.0	100.9	102.4	103.8
80°	67.3	67.3	67.3	67.3	68.7	70.2	71.6	71.6	74.6	77.5	79.0
82.5°	42.4	42.4	43.9	45.3	45.3	46.8	48.3	49.7	52.6	54.1	55.6
85°	21.9	21.9	23.4	24.9	26.3	27.8	27.8	29.2	32.2	35.1	36.6
87.5°	7.3	8.8	8.8	10.2	11.7	13.2	14.6	16.1	19.0	21.9	23.4
90°	1.5	1.5	1.5	2.9	4.4	4.4	5.8	7.3	8.8	10.2	13.2
92.5°	13.2	13.2	11.7	13.2	13.2	13.2	13.2	14.6	16.1	16.1	19.0
95°	39.5	38.0	38.0	38.0	38.0	38.0	38.0	39.5	40.9	40.9	42.4
97.5°	76.0	76.0	74.6	74.6	76.0	76.0	76.0	77.5	80.4	79.0	81.9
100°	118.4	118.4	117.0	118.4	119.9	121.4	124.3	124.3	127.2	127.2	131.6
102.5°	166.7	166.7	165.2	168.2	169.6	172.5	172.5	175.5	179.9	179.9	185.7
105°	214.9	216.4	216.4	219.3	222.3	225.2	225.2	229.6	235.4	235.4	242.7
107.5°	267.6	269.1	269.1	272.0	274.9	277.8	279.3	285.1	291.0	292.4	301.2
110°	318.8	320.2	321.7	324.6	327.5	331.9	334.9	340.7	348.0	350.9	358.2



TEST NUMBER: P395596

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	367.0	372.9	374.3	378.7	383.1	387.5	390.4	397.7	406.5	410.9	419.7
115°	422.6	425.5	427.0	431.4	437.2	441.6	444.5	451.8	460.6	466.5	476.7
117.5°	467.9	475.2	476.7	481.1	486.9	491.3	494.2	503.0	513.2	520.6	530.8
120°	516.2	522.0	527.9	530.8	535.2	541.0	543.9	552.7	564.4	571.7	583.4
122.5°	560.0	565.9	571.7	576.1	582.0	584.9	589.3	599.5	611.2	620.0	631.7
125°	603.9	611.2	615.6	620.0	627.3	630.2	634.6	644.8	656.5	666.8	678.5
127.5°	646.3	650.7	658.0	660.9	668.2	671.2	675.5	687.2	698.9	709.2	720.9
130°	685.8	691.6	697.5	698.9	707.7	712.1	716.5	726.7	739.9	750.1	761.8
132.5°	723.8	726.7	734.0	738.4	745.7	750.1	754.5	763.3	776.4	786.7	798.4
135°	758.9	761.8	770.6	775.0	779.4	783.8	789.6	798.4	811.5	821.8	833.5
137.5°	794.0	796.9	805.7	810.1	813.0	817.4	821.8	830.5	843.7	853.9	864.2
140°	826.2	829.1	834.9	840.8	843.7	846.6	851.0	859.8	871.5	881.7	892.0
142.5°	855.4	858.3	864.2	870.0	874.4	874.4	878.8	886.1	899.3	909.5	918.3
145°	883.2	884.6	890.5	896.3	902.2	902.2	903.7	911.0	922.7	934.4	943.1
147.5°	909.5	911.0	915.4	921.2	925.6	927.1	930.0	932.9	944.6	956.3	966.5
150°	932.9	934.4	937.3	943.1	946.1	949.0	951.9	953.4	962.1	972.4	984.1
152.5°	953.4	954.8	957.8	962.1	965.1	968.0	970.9	975.3	979.7	989.9	997.2
155°	973.8	975.3	976.8	981.2	984.1	985.5	987.0	992.9	997.2	1003.1	1010.4
157.5°	991.4	991.4	992.9	995.8	998.7	998.7	1000.2	1006.0	1010.4	1016.2	1020.6
160°	1006.0	1006.0	1007.5	1010.4	1010.4	1011.9	1013.3	1017.7	1020.6	1027.9	1033.8
162.5°	1019.2	1017.7	1019.2	1020.6	1020.6	1020.6	1022.1	1025.0	1029.4	1035.3	1041.1
165°	1029.4	1029.4	1029.4	1030.9	1030.9	1029.4	1029.4	1032.3	1035.3	1039.6	1044.0
167.5°	1038.2	1038.2	1036.7	1038.2	1036.7	1036.7	1035.3	1036.7	1038.2	1042.6	1045.5
170°	1045.5	1044.0	1044.0	1044.0	1042.6	1041.1	1041.1	1041.1	1041.1	1044.0	1047.0
172.5°	1051.3	1049.9	1048.4	1048.4	1045.5	1044.0	1044.0	1042.6	1042.6	1044.0	1045.5
175°	1052.8	1051.3	1049.9	1049.9	1047.0	1045.5	1044.0	1044.0	1042.6	1044.0	1045.5
177.5°	1055.7	1054.3	1051.3	1051.3	1048.4	1045.5	1045.5	1044.0	1042.6	1044.0	1044.0
180°	1041.1	1041.1	1041.1	1041.1	1041.1	1041.1	1041.1	1041.1	1041.1	1041.1	1041.1



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	583.4	583.4	583.4	583.4	583.4	583.4	583.4	583.4	583.4	583.4
2.5°	586.4	586.4	584.9	583.4	583.4	582.0	580.5	579.0	577.6	576.1
5°	586.4	584.9	583.4	583.4	582.0	582.0	582.0	580.5	579.0	579.0
7.5°	586.4	586.4	584.9	583.4	583.4	583.4	583.4	583.4	582.0	582.0
10°	586.4	584.9	584.9	584.9	583.4	584.9	584.9	583.4	583.4	582.0
12.5°	584.9	584.9	584.9	584.9	584.9	584.9	584.9	584.9	584.9	583.4
15°	582.0	583.4	583.4	584.9	584.9	584.9	586.4	586.4	584.9	584.9
17.5°	580.5	582.0	583.4	584.9	584.9	584.9	586.4	586.4	586.4	586.4
20°	577.6	579.0	580.5	582.0	582.0	583.4	583.4	584.9	584.9	584.9
22.5°	571.7	573.2	576.1	577.6	579.0	580.5	582.0	582.0	582.0	582.0
25°	565.9	568.8	570.3	573.2	574.7	576.1	577.6	577.6	577.6	579.0
27.5°	558.6	561.5	565.9	567.3	568.8	570.3	571.7	573.2	573.2	573.2
30°	549.8	554.2	557.1	560.0	561.5	563.0	564.4	564.4	565.9	565.9
32.5°	539.6	543.9	546.9	549.8	551.3	552.7	555.6	555.6	557.1	557.1
35°	526.4	530.8	535.2	538.1	539.6	541.0	543.9	545.4	545.4	545.4
37.5°	513.2	517.6	522.0	526.4	527.9	529.3	532.3	532.3	533.7	533.7
40°	497.2	501.5	505.9	510.3	510.3	513.2	514.7	516.2	517.6	517.6
42.5°	481.1	485.5	488.4	492.8	494.2	495.7	497.2	500.1	500.1	501.5
45°	462.1	466.5	469.4	473.8	475.2	476.7	479.6	481.1	482.5	482.5
47.5°	441.6	444.5	447.4	451.8	454.8	456.2	457.7	459.1	460.6	459.1
50°	418.2	421.1	425.5	429.9	431.4	432.8	435.7	435.7	437.2	437.2
52.5°	393.3	397.7	400.7	405.0	406.5	408.0	410.9	410.9	412.3	412.3
55°	365.6	368.5	371.4	378.7	380.2	381.6	384.6	384.6	386.0	387.5
57.5°	339.2	340.7	345.1	348.0	350.9	350.9	352.4	353.9	355.3	355.3
60°	311.5	312.9	315.8	320.2	320.2	321.7	324.6	324.6	326.1	326.1
62.5°	282.2	285.1	288.1	292.4	291.0	292.4	295.4	295.4	296.8	296.8
65°	253.0	254.4	257.4	260.3	261.7	261.7	263.2	264.7	266.1	266.1
67.5°	222.3	225.2	226.6	231.0	229.6	231.0	232.5	232.5	234.0	234.0
70°	193.0	194.5	197.4	198.9	198.9	200.3	201.8	201.8	201.8	203.2
72.5°	163.8	165.2	166.7	168.2	168.2	169.6	171.1	171.1	172.5	172.5
75°	133.1	136.0	137.4	140.4	138.9	140.4	143.3	143.3	143.3	143.3
77.5°	106.7	108.2	111.1	112.6	112.6	112.6	115.5	114.1	115.5	115.5
80°	80.4	81.9	84.8	86.3	86.3	87.7	89.2	89.2	89.2	90.7
82.5°	57.0	60.0	62.9	64.3	64.3	65.8	67.3	67.3	68.7	68.7
85°	39.5	42.4	45.3	45.3	46.8	48.3	49.7	49.7	49.7	49.7
87.5°	26.3	27.8	29.2	30.7	32.2	32.2	33.6	33.6	35.1	35.1
90°	14.6	16.1	17.5	19.0	19.0	20.5	20.5	21.9	21.9	21.9
92.5°	20.5	20.5	21.9	23.4	23.4	23.4	23.4	24.9	24.9	24.9
95°	43.9	45.3	45.3	48.3	48.3	48.3	49.7	49.7	49.7	49.7
97.5°	84.8	84.8	84.8	87.7	87.7	87.7	89.2	89.2	89.2	90.7
100°	133.1	134.5	134.5	138.9	137.4	140.4	140.4	140.4	140.4	141.8
102.5°	187.2	190.1	191.6	195.9	195.9	195.9	198.9	197.4	198.9	198.9
105°	245.7	248.6	250.0	254.4	257.4	257.4	260.3	258.8	260.3	261.7
107.5°	304.1	308.5	311.5	315.8	318.8	320.2	320.2	321.7	323.2	324.6
110°	364.1	368.5	375.8	380.2	381.6	384.6	386.0	387.5	389.0	391.9





TEST NUMBER: P395596

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	427.0	431.4	437.2	443.1	441.6	446.0	448.9	450.4	451.8	450.4
115°	484.0	489.8	495.7	501.5	501.5	504.5	510.3	511.8	511.8	514.7
117.5°	538.1	545.4	551.3	557.1	558.6	561.5	565.9	570.3	570.3	573.2
120°	590.7	599.5	605.4	611.2	614.1	615.6	620.0	625.8	625.8	625.8
122.5°	640.5	647.8	655.1	660.9	663.9	666.8	669.7	677.0	677.0	679.9
125°	687.2	696.0	703.3	709.2	712.1	715.0	720.9	725.3	726.7	726.7
127.5°	731.1	739.9	747.2	754.5	756.0	758.9	764.7	770.6	772.1	773.5
130°	772.1	780.8	788.1	795.5	798.4	799.8	807.2	811.5	814.5	815.9
132.5°	808.6	817.4	824.7	832.0	834.9	837.9	842.2	849.6	851.0	851.0
135°	842.2	851.0	858.3	867.1	868.6	871.5	877.3	881.7	884.6	886.1
137.5°	873.0	881.7	890.5	897.8	900.7	902.2	908.0	913.9	916.8	918.3
140°	900.7	909.5	918.3	924.1	925.6	930.0	934.4	940.2	943.1	944.6
142.5°	927.1	934.4	941.7	949.0	950.4	953.4	957.8	963.6	966.5	968.0
145°	950.4	957.8	963.6	969.5	970.9	973.8	978.2	982.6	985.5	987.0
147.5°	972.4	978.2	984.1	988.5	989.9	992.9	995.8	998.7	1001.6	1003.1
150°	991.4	994.3	1000.2	1003.1	1004.6	1007.5	1010.4	1013.3	1016.2	1017.7
152.5°	1006.0	1010.4	1013.3	1017.7	1019.2	1020.6	1023.6	1026.5	1029.4	1029.4
155°	1017.7	1022.1	1025.0	1029.4	1030.9	1032.3	1035.3	1036.7	1039.6	1039.6
157.5°	1026.5	1030.9	1033.8	1036.7	1038.2	1039.6	1041.1	1044.0	1047.0	1047.0
160°	1036.7	1038.2	1039.6	1042.6	1042.6	1044.0	1045.5	1047.0	1049.9	1049.9
162.5°	1045.5	1047.0	1044.0	1045.5	1044.0	1045.5	1047.0	1048.4	1049.9	1049.9
165°	1048.4	1051.3	1049.9	1051.3	1051.3	1051.3	1051.3	1052.8	1052.8	1052.8
167.5°	1048.4	1051.3	1049.9	1049.9	1051.3	1051.3	1052.8	1054.3	1054.3	1054.3
170°	1048.4	1049.9	1048.4	1047.0	1048.4	1048.4	1048.4	1049.9	1049.9	1049.9
172.5°	1047.0	1048.4	1045.5	1044.0	1044.0	1044.0	1042.6	1042.6	1041.1	1041.1
175°	1045.5	1045.5	1042.6	1041.1	1041.1	1041.1	1038.2	1036.7	1035.3	1033.8
177.5°	1044.0	1044.0	1039.6	1038.2	1038.2	1036.7	1036.7	1033.8	1033.8	1032.3
180°	1041.1	1041.1	1041.1	1041.1	1041.1	1041.1	1041.1	1041.1	1041.1	1041.1

(END OF REPORT)