

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: P395599

Luminaire Tested: **I3-FL-60L82765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395599  
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 (5000K)  
Description: CORELITE I3, FROSTED TOP COVER  
6000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5653.0 lumens  
Efficiency: N/A  
Efficacy: 125.3 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

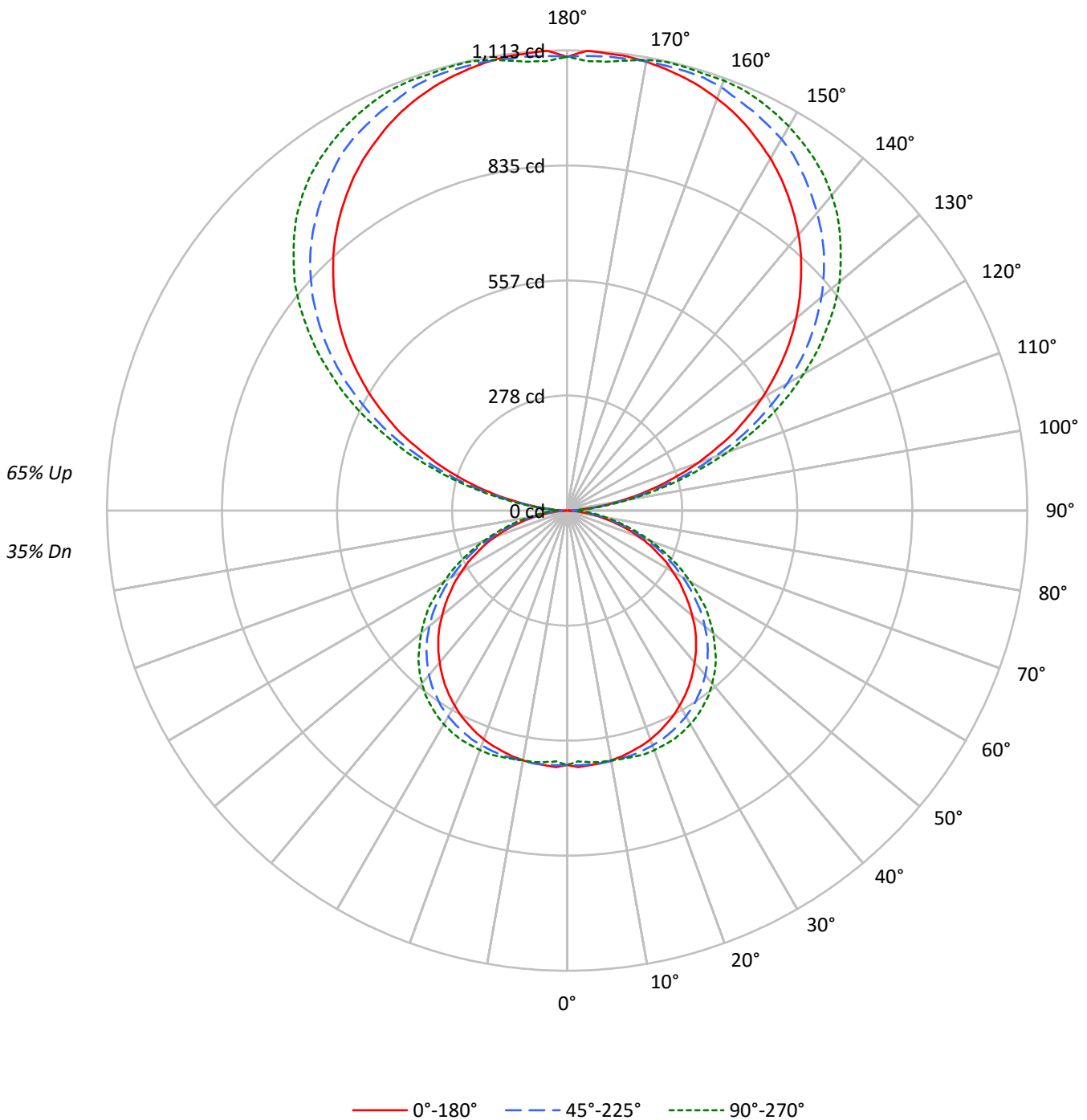
Input Watts (W): 45.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (5000K)

### 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43
1	94	90	86	83	85	81	78	75	66	63	61	51	49	48	37	36	36
2	86	78	72	67	77	71	66	61	57	53	50	44	42	40	33	31	30
3	78	69	61	55	70	62	56	51	50	46	42	39	36	33	29	27	25
4	71	60	53	47	64	55	48	43	44	39	35	35	31	28	25	23	21
5	65	54	46	40	59	49	42	36	39	34	30	31	27	24	23	20	18
6	60	48	40	34	54	44	37	31	35	30	26	28	24	21	21	18	16
7	55	43	35	30	50	39	32	27	32	27	23	25	21	18	19	16	14
8	51	39	31	26	46	35	29	24	29	24	20	23	19	16	17	14	13
9	47	35	28	23	43	32	26	21	26	21	18	21	17	15	16	13	11
10	44	32	25	20	40	30	23	19	24	19	16	19	16	13	14	12	10

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3381	3381	3381
5°	3398	3325	3273
10°	3399	3279	3234
15°	3391	3251	3221
20°	3392	3223	3216
25°	3382	3194	3204
30°	3371	3164	3175
35°	3355	3113	3128
40°	3321	3048	3060
45°	3287	2954	2966
50°	3211	2823	2821
55°	3119	2645	2652
60°	3014	2437	2396
65°	2866	2184	2128
70°	2662	1861	1798
75°	2316	1479	1430
80°	1808	1050	1047
85°	980	601	687



TEST NUMBER: P395599

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (5000K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.6	1.0
10°-20°	172.5	3.1
20°-30°	272.0	4.8
30°-40°	341.9	6.0
40°-50°	367.6	6.5
50°-60°	338.1	6.0
60°-70°	259.0	4.6
70°-80°	147.5	2.6
80°-90°	46.1	0.8
90°-100°	61.6	1.1
100°-110°	267.9	4.7
110°-120°	490.5	8.7
120°-130°	632.2	11.2
130°-140°	672.7	11.9
140°-150°	618.9	10.9
150°-160°	490.3	8.7
160°-170°	310.5	5.5
170°-180°	105.1	1.9
0°-30°	503.1	8.9
0°-40°	845.0	14.9
0°-60°	1550.7	27.4
0°-90°	2003.3	35.4
90°-120°	820.0	14.5
90°-150°	2743.8	48.5
90°-180°	3650.0	64.6
0°-180°	5653.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	615	615	615	615	615	
5°	618	612	617	614	610	59
15°	603	600	612	617	617	170
25°	569	570	592	606	610	262
35°	515	521	550	569	575	322
45°	441	452	481	501	509	339
55°	345	359	381	401	408	309
65°	240	248	264	276	281	239
75°	126	130	139	146	151	134
85°	23	29	38	49	52	29
90°	2	5	14	20	23	3
95°	42	40	45	51	52	52
105°	227	237	256	271	276	241
115°	446	466	502	529	543	437
125°	637	664	715	751	766	569
135°	800	826	879	916	934	617
145°	931	951	994	1024	1040	583
155°	1027	1039	1065	1087	1096	473
165°	1085	1085	1101	1108	1110	307
175°	1110	1102	1102	1098	1090	106
180°	1098	1098	1098	1098	1098	



TEST NUMBER: P395599

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	615.1	615.1	615.1	615.1	615.1	615.1	615.1	615.1	615.1	615.1	615.1
2.5°	621.2	619.7	618.2	615.1	615.1	613.5	613.5	613.5	613.5	615.1	616.6
5°	618.2	618.2	616.6	613.5	613.5	612.0	612.0	613.5	612.0	613.5	616.6
7.5°	616.6	616.6	615.1	612.0	612.0	612.0	612.0	612.0	612.0	613.5	616.6
10°	613.5	613.5	610.5	608.9	608.9	608.9	608.9	610.5	610.5	612.0	615.1
12.5°	608.9	607.4	605.8	604.3	604.3	604.3	605.8	607.4	607.4	610.5	613.5
15°	602.7	602.7	601.2	599.7	599.7	599.7	601.2	602.7	604.3	607.4	612.0
17.5°	596.6	596.6	595.0	595.0	595.0	595.0	596.6	598.1	601.2	604.3	608.9
20°	588.9	588.9	587.3	587.3	587.3	588.9	588.9	592.0	595.0	599.7	604.3
22.5°	579.6	579.6	579.6	578.1	579.6	581.2	582.7	585.8	588.9	593.5	599.7
25°	568.8	568.8	568.8	568.8	570.4	570.4	573.5	576.5	579.6	585.8	592.0
27.5°	558.0	558.0	558.0	556.5	559.6	561.1	562.7	567.3	570.4	578.1	584.2
30°	544.2	544.2	544.2	545.7	547.3	548.8	551.9	556.5	559.6	567.3	575.0
32.5°	530.3	530.3	530.3	530.3	534.9	536.5	538.0	542.6	548.8	556.5	564.2
35°	514.9	514.9	514.9	516.4	519.5	521.0	524.1	528.8	534.9	542.6	550.3
37.5°	497.9	499.5	499.5	501.0	504.1	507.2	510.3	514.9	521.0	528.8	536.5
40°	479.4	481.0	481.0	482.5	485.6	488.7	491.8	497.9	504.1	511.8	519.5
42.5°	460.9	462.5	462.5	465.5	468.6	471.7	474.8	481.0	487.1	494.8	501.0
45°	440.9	442.4	442.4	445.5	450.1	451.7	456.3	462.5	468.6	474.8	481.0
47.5°	419.3	420.8	420.8	423.9	428.6	431.6	434.7	440.9	445.5	453.2	459.4
50°	394.6	396.2	397.7	400.8	407.0	410.1	413.1	417.8	423.9	428.6	434.7
52.5°	371.5	371.5	373.1	376.1	380.8	383.8	385.4	390.0	397.7	403.9	410.1
55°	345.3	346.8	348.4	351.5	356.1	359.2	360.7	365.3	370.0	374.6	380.8
57.5°	322.2	322.2	323.7	326.8	331.4	333.0	334.5	337.6	343.8	348.4	353.0
60°	294.4	296.0	297.5	300.6	303.7	306.8	306.8	311.4	316.0	320.6	323.7
62.5°	269.8	269.8	271.3	274.4	275.9	279.0	279.0	283.6	286.7	291.4	294.4
65°	240.5	242.0	243.6	245.1	248.2	248.2	249.7	252.8	255.9	259.0	263.6
67.5°	214.3	214.3	215.8	217.4	218.9	218.9	220.4	223.5	226.6	229.7	232.8
70°	185.0	186.5	186.5	186.5	188.1	189.6	191.2	192.7	195.8	197.3	200.4
72.5°	155.7	155.7	157.2	157.2	158.8	160.3	161.9	163.4	164.9	168.0	169.6
75°	126.4	126.4	127.9	127.9	129.5	129.5	129.5	132.6	134.1	137.2	138.7
77.5°	97.1	98.7	98.7	98.7	100.2	101.7	101.7	103.3	106.4	107.9	109.5
80°	70.9	70.9	70.9	70.9	72.5	74.0	75.5	75.5	78.6	81.7	83.2
82.5°	44.7	44.7	46.2	47.8	47.8	49.3	50.9	52.4	55.5	57.0	58.6
85°	23.1	23.1	24.7	26.2	27.7	29.3	29.3	30.8	33.9	37.0	38.5
87.5°	7.7	9.2	9.2	10.8	12.3	13.9	15.4	17.0	20.0	23.1	24.7
90°	1.5	1.5	1.5	3.1	4.6	4.6	6.2	7.7	9.2	10.8	13.9
92.5°	13.9	13.9	12.3	13.9	13.9	13.9	13.9	15.4	17.0	17.0	20.0
95°	41.6	40.1	40.1	40.1	40.1	40.1	40.1	41.6	43.2	43.2	44.7
97.5°	80.2	80.2	78.6	78.6	80.2	80.2	80.2	81.7	84.8	83.2	86.3
100°	124.9	124.9	123.3	124.9	126.4	127.9	131.0	131.0	134.1	134.1	138.7
102.5°	175.7	175.7	174.2	177.3	178.8	181.9	181.9	185.0	189.6	189.6	195.8
105°	226.6	228.1	228.1	231.2	234.3	237.4	237.4	242.0	248.2	248.2	255.9
107.5°	282.1	283.6	283.6	286.7	289.8	292.9	294.4	300.6	306.8	308.3	317.6
110°	336.1	337.6	339.1	342.2	345.3	349.9	353.0	359.2	366.9	370.0	377.7



TEST NUMBER: P395599

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	386.9	393.1	394.6	399.3	403.9	408.5	411.6	419.3	428.6	433.2	442.4
115°	445.5	448.6	450.1	454.8	460.9	465.5	468.6	476.3	485.6	491.8	502.5
117.5°	493.3	501.0	502.5	507.2	513.3	518.0	521.0	530.3	541.1	548.8	559.6
120°	544.2	550.3	556.5	559.6	564.2	570.4	573.5	582.7	595.0	602.7	615.1
122.5°	590.4	596.6	602.7	607.4	613.5	616.6	621.2	632.0	644.4	653.6	666.0
125°	636.7	644.4	649.0	653.6	661.3	664.4	669.0	679.8	692.2	702.9	715.3
127.5°	681.4	686.0	693.7	696.8	704.5	707.6	712.2	724.5	736.9	747.7	760.0
130°	723.0	729.2	735.3	736.9	746.1	750.7	755.4	766.2	780.0	790.8	803.1
132.5°	763.1	766.2	773.9	778.5	786.2	790.8	795.4	804.7	818.6	829.4	841.7
135°	800.1	803.1	812.4	817.0	821.6	826.3	832.4	841.7	855.6	866.4	878.7
137.5°	837.1	840.1	849.4	854.0	857.1	861.7	866.4	875.6	889.5	900.3	911.1
140°	871.0	874.1	880.2	886.4	889.5	892.6	897.2	906.4	918.8	929.6	940.3
142.5°	901.8	904.9	911.1	917.2	921.8	921.8	926.5	934.2	948.1	958.8	968.1
145°	931.1	932.6	938.8	945.0	951.1	951.1	952.7	960.4	972.7	985.1	994.3
147.5°	958.8	960.4	965.0	971.2	975.8	977.3	980.4	983.5	995.8	1008.2	1019.0
150°	983.5	985.1	988.1	994.3	997.4	1000.5	1003.6	1005.1	1014.3	1025.1	1037.5
152.5°	1005.1	1006.6	1009.7	1014.3	1017.4	1020.5	1023.6	1028.2	1032.8	1043.6	1051.3
155°	1026.7	1028.2	1029.8	1034.4	1037.5	1039.0	1040.5	1046.7	1051.3	1057.5	1065.2
157.5°	1045.2	1045.2	1046.7	1049.8	1052.9	1052.9	1054.4	1060.6	1065.2	1071.4	1076.0
160°	1060.6	1060.6	1062.1	1065.2	1065.2	1066.8	1068.3	1072.9	1076.0	1083.7	1089.9
162.5°	1074.5	1072.9	1074.5	1076.0	1076.0	1076.0	1077.5	1080.6	1085.3	1091.4	1097.6
165°	1085.3	1085.3	1085.3	1086.8	1086.8	1085.3	1085.3	1088.3	1091.4	1096.0	1100.7
167.5°	1094.5	1094.5	1093.0	1094.5	1093.0	1093.0	1091.4	1093.0	1094.5	1099.1	1102.2
170°	1102.2	1100.7	1100.7	1100.7	1099.1	1097.6	1097.6	1097.6	1097.6	1100.7	1103.8
172.5°	1108.4	1106.8	1105.3	1105.3	1102.2	1100.7	1100.7	1099.1	1099.1	1100.7	1102.2
175°	1109.9	1108.4	1106.8	1106.8	1103.8	1102.2	1100.7	1100.7	1099.1	1100.7	1102.2
177.5°	1113.0	1111.5	1108.4	1108.4	1105.3	1102.2	1102.2	1100.7	1099.1	1100.7	1100.7
180°	1097.6	1097.6	1097.6	1097.6	1097.6	1097.6	1097.6	1097.6	1097.6	1097.6	1097.6



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	615.1	615.1	615.1	615.1	615.1	615.1	615.1	615.1	615.1	615.1
2.5°	618.2	618.2	616.6	615.1	615.1	613.5	612.0	610.5	608.9	607.4
5°	618.2	616.6	615.1	615.1	613.5	613.5	613.5	612.0	610.5	610.5
7.5°	618.2	618.2	616.6	615.1	615.1	615.1	615.1	615.1	613.5	613.5
10°	618.2	616.6	616.6	616.6	615.1	616.6	616.6	615.1	615.1	613.5
12.5°	616.6	616.6	616.6	616.6	616.6	616.6	616.6	616.6	616.6	615.1
15°	613.5	615.1	615.1	616.6	616.6	616.6	618.2	618.2	616.6	616.6
17.5°	612.0	613.5	615.1	616.6	616.6	616.6	618.2	618.2	618.2	618.2
20°	608.9	610.5	612.0	613.5	613.5	615.1	615.1	616.6	616.6	616.6
22.5°	602.7	604.3	607.4	608.9	610.5	612.0	613.5	613.5	613.5	613.5
25°	596.6	599.7	601.2	604.3	605.8	607.4	608.9	608.9	608.9	610.5
27.5°	588.9	592.0	596.6	598.1	599.7	601.2	602.7	604.3	604.3	604.3
30°	579.6	584.2	587.3	590.4	592.0	593.5	595.0	595.0	596.6	596.6
32.5°	568.8	573.5	576.5	579.6	581.2	582.7	585.8	585.8	587.3	587.3
35°	555.0	559.6	564.2	567.3	568.8	570.4	573.5	575.0	575.0	575.0
37.5°	541.1	545.7	550.3	555.0	556.5	558.0	561.1	561.1	562.7	562.7
40°	524.1	528.8	533.4	538.0	538.0	541.1	542.6	544.2	545.7	545.7
42.5°	507.2	511.8	514.9	519.5	521.0	522.6	524.1	527.2	527.2	528.8
45°	487.1	491.8	494.8	499.5	501.0	502.5	505.6	507.2	508.7	508.7
47.5°	465.5	468.6	471.7	476.3	479.4	481.0	482.5	484.0	485.6	484.0
50°	440.9	444.0	448.6	453.2	454.8	456.3	459.4	459.4	460.9	460.9
52.5°	414.7	419.3	422.4	427.0	428.6	430.1	433.2	433.2	434.7	434.7
55°	385.4	388.5	391.6	399.3	400.8	402.3	405.4	405.4	407.0	408.5
57.5°	357.6	359.2	363.8	366.9	370.0	370.0	371.5	373.1	374.6	374.6
60°	328.4	329.9	333.0	337.6	337.6	339.1	342.2	342.2	343.8	343.8
62.5°	297.5	300.6	303.7	308.3	306.8	308.3	311.4	311.4	312.9	312.9
65°	266.7	268.2	271.3	274.4	275.9	275.9	277.5	279.0	280.6	280.6
67.5°	234.3	237.4	238.9	243.6	242.0	243.6	245.1	245.1	246.6	246.6
70°	203.5	205.0	208.1	209.7	209.7	211.2	212.7	212.7	212.7	214.3
72.5°	172.7	174.2	175.7	177.3	177.3	178.8	180.4	180.4	181.9	181.9
75°	140.3	143.4	144.9	148.0	146.4	148.0	151.1	151.1	151.1	151.1
77.5°	112.5	114.1	117.2	118.7	118.7	118.7	121.8	120.2	121.8	121.8
80°	84.8	86.3	89.4	91.0	91.0	92.5	94.0	94.0	94.0	95.6
82.5°	60.1	63.2	66.3	67.8	67.8	69.4	70.9	70.9	72.5	72.5
85°	41.6	44.7	47.8	47.8	49.3	50.9	52.4	52.4	52.4	52.4
87.5°	27.7	29.3	30.8	32.4	33.9	33.9	35.5	35.5	37.0	37.0
90°	15.4	17.0	18.5	20.0	20.0	21.6	21.6	23.1	23.1	23.1
92.5°	21.6	21.6	23.1	24.7	24.7	24.7	24.7	26.2	26.2	26.2
95°	46.2	47.8	47.8	50.9	50.9	50.9	52.4	52.4	52.4	52.4
97.5°	89.4	89.4	89.4	92.5	92.5	92.5	94.0	94.0	94.0	95.6
100°	140.3	141.8	141.8	146.4	144.9	148.0	148.0	148.0	148.0	149.5
102.5°	197.3	200.4	201.9	206.6	206.6	206.6	209.7	208.1	209.7	209.7
105°	259.0	262.1	263.6	268.2	271.3	271.3	274.4	272.9	274.4	275.9
107.5°	320.6	325.3	328.4	333.0	336.1	337.6	337.6	339.1	340.7	342.2
110°	383.8	388.5	396.2	400.8	402.3	405.4	407.0	408.5	410.1	413.1





TEST NUMBER: P395599

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	450.1	454.8	460.9	467.1	465.5	470.2	473.3	474.8	476.3	474.8
115°	510.3	516.4	522.6	528.8	528.8	531.8	538.0	539.5	539.5	542.6
117.5°	567.3	575.0	581.2	587.3	588.9	592.0	596.6	601.2	601.2	604.3
120°	622.8	632.0	638.2	644.4	647.5	649.0	653.6	659.8	659.8	659.8
122.5°	675.2	682.9	690.6	696.8	699.9	702.9	706.0	713.7	713.7	716.8
125°	724.5	733.8	741.5	747.7	750.7	753.8	760.0	764.6	766.2	766.2
127.5°	770.8	780.0	787.7	795.4	797.0	800.1	806.2	812.4	813.9	815.5
130°	813.9	823.2	830.9	838.6	841.7	843.2	850.9	855.6	858.6	860.2
132.5°	852.5	861.7	869.4	877.1	880.2	883.3	887.9	895.6	897.2	897.2
135°	887.9	897.2	904.9	914.1	915.7	918.8	924.9	929.6	932.6	934.2
137.5°	920.3	929.6	938.8	946.5	949.6	951.1	957.3	963.5	966.6	968.1
140°	949.6	958.8	968.1	974.3	975.8	980.4	985.1	991.2	994.3	995.8
142.5°	977.3	985.1	992.8	1000.5	1002.0	1005.1	1009.7	1015.9	1019.0	1020.5
145°	1002.0	1009.7	1015.9	1022.0	1023.6	1026.7	1031.3	1035.9	1039.0	1040.5
147.5°	1025.1	1031.3	1037.5	1042.1	1043.6	1046.7	1049.8	1052.9	1056.0	1057.5
150°	1045.2	1048.3	1054.4	1057.5	1059.0	1062.1	1065.2	1068.3	1071.4	1072.9
152.5°	1060.6	1065.2	1068.3	1072.9	1074.5	1076.0	1079.1	1082.2	1085.3	1085.3
155°	1072.9	1077.5	1080.6	1085.3	1086.8	1088.3	1091.4	1093.0	1096.0	1096.0
157.5°	1082.2	1086.8	1089.9	1093.0	1094.5	1096.0	1097.6	1100.7	1103.8	1103.8
160°	1093.0	1094.5	1096.0	1099.1	1099.1	1100.7	1102.2	1103.8	1106.8	1106.8
162.5°	1102.2	1103.8	1100.7	1102.2	1100.7	1102.2	1103.8	1105.3	1106.8	1106.8
165°	1105.3	1108.4	1106.8	1108.4	1108.4	1108.4	1108.4	1109.9	1109.9	1109.9
167.5°	1105.3	1108.4	1106.8	1106.8	1108.4	1108.4	1109.9	1111.5	1111.5	1111.5
170°	1105.3	1106.8	1105.3	1103.8	1105.3	1105.3	1105.3	1106.8	1106.8	1106.8
172.5°	1103.8	1105.3	1102.2	1100.7	1100.7	1100.7	1099.1	1099.1	1097.6	1097.6
175°	1102.2	1102.2	1099.1	1097.6	1097.6	1097.6	1094.5	1093.0	1091.4	1089.9
177.5°	1100.7	1100.7	1096.0	1094.5	1094.5	1093.0	1093.0	1089.9	1089.9	1088.3
180°	1097.6	1097.6	1097.6	1097.6	1097.6	1097.6	1097.6	1097.6	1097.6	1097.6

(END OF REPORT)