

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: P395633

Luminaire Tested: **I3-FL-80L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395633
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-80L92765-1D-UNV-W2A-W-4 (2700K)
Description: CORELITE I3, FROSTED TOP COVER
8000 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: 5691.5 lumens
Efficiency: N/A
Efficacy: 91.5 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

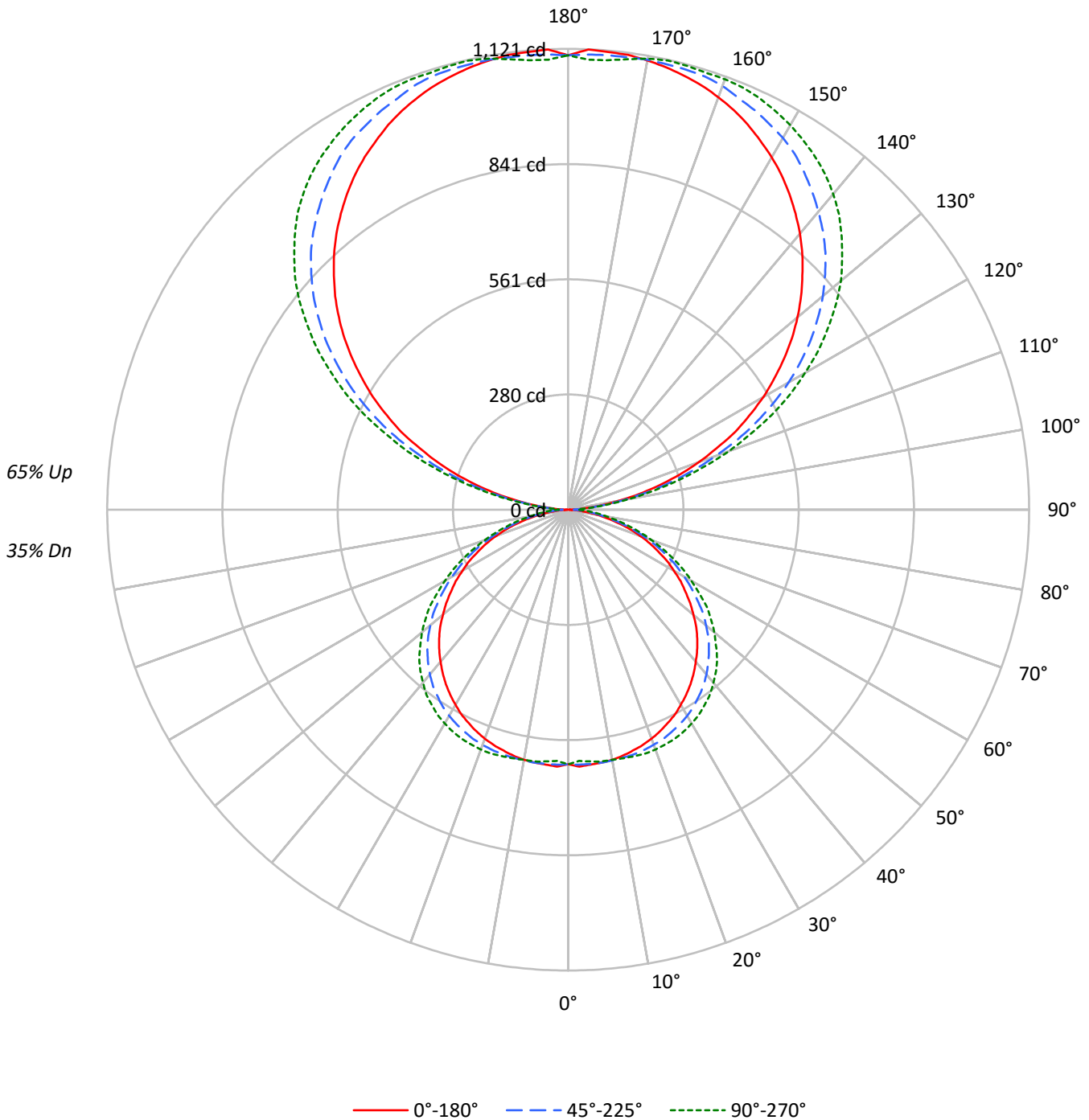
Input Watts (W): 62.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3404	3404	3404
5°	3421	3347	3295
10°	3422	3302	3256
15°	3414	3273	3243
20°	3415	3245	3238
25°	3406	3216	3226
30°	3394	3185	3197
35°	3378	3135	3149
40°	3344	3068	3080
45°	3310	2973	2986
50°	3233	2842	2840
55°	3141	2663	2670
60°	3035	2453	2412
65°	2885	2199	2143
70°	2679	1874	1809
75°	2333	1489	1439
80°	1821	1058	1053
85°	989	606	692



TEST NUMBER: P395633

CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (2700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.0	1.0
10°-20°	173.7	3.1
20°-30°	273.9	4.8
30°-40°	344.2	6.0
40°-50°	370.1	6.5
50°-60°	340.4	6.0
60°-70°	260.8	4.6
70°-80°	148.5	2.6
80°-90°	46.4	0.8
90°-100°	62.0	1.1
100°-110°	269.7	4.7
110°-120°	493.8	8.7
120°-130°	636.5	11.2
130°-140°	677.3	11.9
140°-150°	623.1	10.9
150°-160°	493.7	8.7
160°-170°	312.6	5.5
170°-180°	105.8	1.9
0°-30°	506.6	8.9
0°-40°	850.7	14.9
0°-60°	1561.2	27.4
0°-90°	2016.9	35.4
90°-120°	825.6	14.5
90°-150°	2762.5	48.5
90°-180°	3675.0	64.6
0°-180°	5691.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	619	619	619	619	619	
5°	622	616	621	618	615	59
15°	607	604	616	621	621	172
25°	573	574	596	610	615	264
35°	518	525	554	573	579	324
45°	444	455	484	504	512	342
55°	348	362	383	404	411	312
65°	242	250	265	278	282	240
75°	127	130	140	147	152	135
85°	23	30	39	50	53	29
90°	2	5	14	20	23	3
95°	42	40	45	51	53	52
105°	228	239	258	273	278	243
115°	448	469	506	532	546	440
125°	641	669	720	756	771	572
135°	806	832	885	922	940	622
145°	937	958	1001	1031	1048	587
155°	1034	1046	1072	1094	1104	476
165°	1093	1093	1108	1116	1118	309
175°	1118	1110	1110	1105	1097	106
180°	1105	1105	1105	1105	1105	



TEST NUMBER: P395633

CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	619.3	619.3	619.3	619.3	619.3	619.3	619.3	619.3	619.3	619.3	619.3
2.5°	625.5	623.9	622.4	619.3	619.3	617.7	617.7	617.7	617.7	619.3	620.8
5°	622.4	622.4	620.8	617.7	617.7	616.2	616.2	617.7	616.2	617.7	620.8
7.5°	620.8	620.8	619.3	616.2	616.2	616.2	616.2	616.2	616.2	617.7	620.8
10°	617.7	617.7	614.6	613.1	613.1	613.1	613.1	614.6	614.6	616.2	619.3
12.5°	613.1	611.5	610.0	608.4	608.4	608.4	610.0	611.5	611.5	614.6	617.7
15°	606.8	606.8	605.3	603.7	603.7	603.7	605.3	606.8	608.4	611.5	616.2
17.5°	600.6	600.6	599.1	599.1	599.1	599.1	600.6	602.2	605.3	608.4	613.1
20°	592.9	592.9	591.3	591.3	591.3	592.9	592.9	596.0	599.1	603.7	608.4
22.5°	583.6	583.6	583.6	582.0	583.6	585.1	586.7	589.8	592.9	597.5	603.7
25°	572.7	572.7	572.7	572.7	574.3	574.3	577.4	580.5	583.6	589.8	596.0
27.5°	561.8	561.8	561.8	560.3	563.4	564.9	566.5	571.2	574.3	582.0	588.2
30°	547.9	547.9	547.9	549.4	551.0	552.5	555.6	560.3	563.4	571.2	578.9
32.5°	533.9	533.9	533.9	533.9	538.6	540.1	541.7	546.3	552.5	560.3	568.0
35°	518.4	518.4	518.4	519.9	523.0	524.6	527.7	532.4	538.6	546.3	554.1
37.5°	501.3	502.9	502.9	504.4	507.5	510.6	513.7	518.4	524.6	532.4	540.1
40°	482.7	484.2	484.2	485.8	488.9	492.0	495.1	501.3	507.5	515.3	523.0
42.5°	464.1	465.6	465.6	468.7	471.8	474.9	478.0	484.2	490.4	498.2	504.4
45°	443.9	445.4	445.4	448.5	453.2	454.7	459.4	465.6	471.8	478.0	484.2
47.5°	422.2	423.7	423.7	426.8	431.5	434.6	437.7	443.9	448.5	456.3	462.5
50°	397.3	398.9	400.4	403.5	409.7	412.8	415.9	420.6	426.8	431.5	437.7
52.5°	374.0	374.0	375.6	378.7	383.4	386.5	388.0	392.7	400.4	406.6	412.8
55°	347.7	349.2	350.8	353.9	358.5	361.6	363.2	367.8	372.5	377.1	383.4
57.5°	324.4	324.4	325.9	329.0	333.7	335.2	336.8	339.9	346.1	350.8	355.4
60°	296.4	298.0	299.5	302.6	305.8	308.9	308.9	313.5	318.2	322.8	325.9
62.5°	271.6	271.6	273.2	276.3	277.8	280.9	280.9	285.6	288.7	293.3	296.4
65°	242.1	243.7	245.2	246.8	249.9	249.9	251.4	254.5	257.6	260.7	265.4
67.5°	215.7	215.7	217.3	218.8	220.4	220.4	221.9	225.0	228.2	231.3	234.4
70°	186.2	187.8	187.8	187.8	189.3	190.9	192.5	194.0	197.1	198.7	201.8
72.5°	156.8	156.8	158.3	158.3	159.9	161.4	163.0	164.5	166.1	169.2	170.7
75°	127.3	127.3	128.8	128.8	130.4	130.4	130.4	133.5	135.0	138.1	139.7
77.5°	97.8	99.3	99.3	99.3	100.9	102.4	102.4	104.0	107.1	108.6	110.2
80°	71.4	71.4	71.4	71.4	72.9	74.5	76.1	76.1	79.2	82.3	83.8
82.5°	45.0	45.0	46.6	48.1	48.1	49.7	51.2	52.8	55.9	57.4	59.0
85°	23.3	23.3	24.8	26.4	27.9	29.5	29.5	31.0	34.1	37.2	38.8
87.5°	7.8	9.3	9.3	10.9	12.4	14.0	15.5	17.1	20.2	23.3	24.8
90°	1.6	1.6	1.6	3.1	4.7	4.7	6.2	7.8	9.3	10.9	14.0
92.5°	14.0	14.0	12.4	14.0	14.0	14.0	14.0	15.5	17.1	17.1	20.2
95°	41.9	40.4	40.4	40.4	40.4	40.4	40.4	41.9	43.5	43.5	45.0
97.5°	80.7	80.7	79.2	79.2	80.7	80.7	80.7	82.3	85.4	83.8	86.9
100°	125.7	125.7	124.2	125.7	127.3	128.8	131.9	131.9	135.0	135.0	139.7
102.5°	176.9	176.9	175.4	178.5	180.0	183.1	183.1	186.2	190.9	190.9	197.1
105°	228.2	229.7	229.7	232.8	235.9	239.0	239.0	243.7	249.9	249.9	257.6
107.5°	284.0	285.6	285.6	288.7	291.8	294.9	296.4	302.6	308.9	310.4	319.7
110°	338.3	339.9	341.4	344.6	347.7	352.3	355.4	361.6	369.4	372.5	380.3



TEST NUMBER: P395633

CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	389.6	395.8	397.3	402.0	406.6	411.3	414.4	422.2	431.5	436.1	445.4
115°	448.5	451.6	453.2	457.9	464.1	468.7	471.8	479.6	488.9	495.1	506.0
117.5°	496.7	504.4	506.0	510.6	516.8	521.5	524.6	533.9	544.8	552.5	563.4
120°	547.9	554.1	560.3	563.4	568.0	574.3	577.4	586.7	599.1	606.8	619.3
122.5°	594.4	600.6	606.8	611.5	617.7	620.8	625.5	636.3	648.8	658.1	670.5
125°	641.0	648.8	653.4	658.1	665.8	668.9	673.6	684.5	696.9	707.7	720.1
127.5°	686.0	690.7	698.4	701.5	709.3	712.4	717.0	729.5	741.9	752.7	765.2
130°	727.9	734.1	740.3	741.9	751.2	755.8	760.5	771.4	785.3	796.2	808.6
132.5°	768.3	771.4	779.1	783.8	791.5	796.2	800.9	810.2	824.1	835.0	847.4
135°	805.5	808.6	817.9	822.6	827.2	831.9	838.1	847.4	861.4	872.2	884.7
137.5°	842.8	845.9	855.2	859.8	862.9	867.6	872.2	881.6	895.5	906.4	917.3
140°	876.9	880.0	886.2	892.4	895.5	898.6	903.3	912.6	925.0	935.9	946.7
142.5°	907.9	911.0	917.3	923.5	928.1	928.1	932.8	940.5	954.5	965.4	974.7
145°	937.4	939.0	945.2	951.4	957.6	957.6	959.2	966.9	979.3	991.8	1001.1
147.5°	965.4	966.9	971.6	977.8	982.4	984.0	987.1	990.2	1002.6	1015.0	1025.9
150°	990.2	991.8	994.9	1001.1	1004.2	1007.3	1010.4	1011.9	1021.2	1032.1	1044.5
152.5°	1011.9	1013.5	1016.6	1021.2	1024.3	1027.5	1030.6	1035.2	1039.9	1050.7	1058.5
155°	1033.7	1035.2	1036.8	1041.4	1044.5	1046.1	1047.6	1053.8	1058.5	1064.7	1072.5
157.5°	1052.3	1052.3	1053.8	1056.9	1060.0	1060.0	1061.6	1067.8	1072.5	1078.7	1083.3
160°	1067.8	1067.8	1069.4	1072.5	1072.5	1074.0	1075.6	1080.2	1083.3	1091.1	1097.3
162.5°	1081.8	1080.2	1081.8	1083.3	1083.3	1083.3	1084.9	1088.0	1092.6	1098.8	1105.1
165°	1092.6	1092.6	1092.6	1094.2	1094.2	1092.6	1092.6	1095.7	1098.8	1103.5	1108.2
167.5°	1102.0	1102.0	1100.4	1102.0	1100.4	1100.4	1098.8	1100.4	1102.0	1106.6	1109.7
170°	1109.7	1108.2	1108.2	1108.2	1106.6	1105.1	1105.1	1105.1	1105.1	1108.2	1111.3
172.5°	1115.9	1114.4	1112.8	1112.8	1109.7	1108.2	1108.2	1106.6	1106.6	1108.2	1109.7
175°	1117.5	1115.9	1114.4	1114.4	1111.3	1109.7	1108.2	1108.2	1106.6	1108.2	1109.7
177.5°	1120.6	1119.0	1115.9	1115.9	1112.8	1109.7	1109.7	1108.2	1106.6	1108.2	1108.2
180°	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1



TEST NUMBER: P395633

CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	619.3	619.3	619.3	619.3	619.3	619.3	619.3	619.3	619.3	619.3
2.5°	622.4	622.4	620.8	619.3	619.3	617.7	616.2	614.6	613.1	611.5
5°	622.4	620.8	619.3	619.3	617.7	617.7	617.7	616.2	614.6	614.6
7.5°	622.4	622.4	620.8	619.3	619.3	619.3	619.3	619.3	617.7	617.7
10°	622.4	620.8	620.8	620.8	619.3	620.8	620.8	619.3	619.3	617.7
12.5°	620.8	620.8	620.8	620.8	620.8	620.8	620.8	620.8	620.8	619.3
15°	617.7	619.3	619.3	620.8	620.8	620.8	622.4	622.4	620.8	620.8
17.5°	616.2	617.7	619.3	620.8	620.8	620.8	622.4	622.4	622.4	622.4
20°	613.1	614.6	616.2	617.7	617.7	619.3	619.3	620.8	620.8	620.8
22.5°	606.8	608.4	611.5	613.1	614.6	616.2	617.7	617.7	617.7	617.7
25°	600.6	603.7	605.3	608.4	610.0	611.5	613.1	613.1	613.1	614.6
27.5°	592.9	596.0	600.6	602.2	603.7	605.3	606.8	608.4	608.4	608.4
30°	583.6	588.2	591.3	594.4	596.0	597.5	599.1	599.1	600.6	600.6
32.5°	572.7	577.4	580.5	583.6	585.1	586.7	589.8	589.8	591.3	591.3
35°	558.7	563.4	568.0	571.2	572.7	574.3	577.4	578.9	578.9	578.9
37.5°	544.8	549.4	554.1	558.7	560.3	561.8	564.9	564.9	566.5	566.5
40°	527.7	532.4	537.0	541.7	541.7	544.8	546.3	547.9	549.4	549.4
42.5°	510.6	515.3	518.4	523.0	524.6	526.1	527.7	530.8	530.8	532.4
45°	490.4	495.1	498.2	502.9	504.4	506.0	509.1	510.6	512.2	512.2
47.5°	468.7	471.8	474.9	479.6	482.7	484.2	485.8	487.3	488.9	487.3
50°	443.9	447.0	451.6	456.3	457.9	459.4	462.5	462.5	464.1	464.1
52.5°	417.5	422.2	425.3	429.9	431.5	433.0	436.1	436.1	437.7	437.7
55°	388.0	391.1	394.2	402.0	403.5	405.1	408.2	408.2	409.7	411.3
57.5°	360.1	361.6	366.3	369.4	372.5	372.5	374.0	375.6	377.1	377.1
60°	330.6	332.1	335.2	339.9	339.9	341.4	344.6	344.6	346.1	346.1
62.5°	299.5	302.6	305.8	310.4	308.9	310.4	313.5	313.5	315.1	315.1
65°	268.5	270.1	273.2	276.3	277.8	277.8	279.4	280.9	282.5	282.5
67.5°	235.9	239.0	240.6	245.2	243.7	245.2	246.8	246.8	248.3	248.3
70°	204.9	206.4	209.5	211.1	211.1	212.6	214.2	214.2	214.2	215.7
72.5°	173.8	175.4	176.9	178.5	178.5	180.0	181.6	181.6	183.1	183.1
75°	141.2	144.3	145.9	149.0	147.4	149.0	152.1	152.1	152.1	152.1
77.5°	113.3	114.9	118.0	119.5	119.5	119.5	122.6	121.1	122.6	122.6
80°	85.4	86.9	90.0	91.6	91.6	93.1	94.7	94.7	94.7	96.2
82.5°	60.5	63.6	66.7	68.3	68.3	69.8	71.4	71.4	72.9	72.9
85°	41.9	45.0	48.1	48.1	49.7	51.2	52.8	52.8	52.8	52.8
87.5°	27.9	29.5	31.0	32.6	34.1	34.1	35.7	35.7	37.2	37.2
90°	15.5	17.1	18.6	20.2	20.2	21.7	21.7	23.3	23.3	23.3
92.5°	21.7	21.7	23.3	24.8	24.8	24.8	24.8	26.4	26.4	26.4
95°	46.6	48.1	48.1	51.2	51.2	51.2	52.8	52.8	52.8	52.8
97.5°	90.0	90.0	90.0	93.1	93.1	93.1	94.7	94.7	94.7	96.2
100°	141.2	142.8	142.8	147.4	145.9	149.0	149.0	149.0	149.0	150.5
102.5°	198.7	201.8	203.3	208.0	208.0	208.0	211.1	209.5	211.1	211.1
105°	260.7	263.8	265.4	270.1	273.2	273.2	276.3	274.7	276.3	277.8
107.5°	322.8	327.5	330.6	335.2	338.3	339.9	339.9	341.4	343.0	344.6
110°	386.5	391.1	398.9	403.5	405.1	408.2	409.7	411.3	412.8	415.9



TEST NUMBER: P395633

CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	453.2	457.9	464.1	470.3	468.7	473.4	476.5	478.0	479.6	478.0
115°	513.7	519.9	526.1	532.4	532.4	535.5	541.7	543.2	543.2	546.3
117.5°	571.2	578.9	585.1	591.3	592.9	596.0	600.6	605.3	605.3	608.4
120°	627.0	636.3	642.5	648.8	651.9	653.4	658.1	664.3	664.3	664.3
122.5°	679.8	687.6	695.3	701.5	704.6	707.7	710.8	718.6	718.6	721.7
125°	729.5	738.8	746.5	752.7	755.8	758.9	765.2	769.8	771.4	771.4
127.5°	776.0	785.3	793.1	800.9	802.4	805.5	811.7	817.9	819.5	821.0
130°	819.5	828.8	836.6	844.3	847.4	849.0	856.7	861.4	864.5	866.0
132.5°	858.3	867.6	875.4	883.1	886.2	889.3	894.0	901.7	903.3	903.3
135°	894.0	903.3	911.0	920.4	921.9	925.0	931.2	935.9	939.0	940.5
137.5°	926.6	935.9	945.2	953.0	956.1	957.6	963.8	970.0	973.1	974.7
140°	956.1	965.4	974.7	980.9	982.4	987.1	991.8	998.0	1001.1	1002.6
142.5°	984.0	991.8	999.5	1007.3	1008.8	1011.9	1016.6	1022.8	1025.9	1027.5
145°	1008.8	1016.6	1022.8	1029.0	1030.6	1033.7	1038.3	1043.0	1046.1	1047.6
147.5°	1032.1	1038.3	1044.5	1049.2	1050.7	1053.8	1056.9	1060.0	1063.1	1064.7
150°	1052.3	1055.4	1061.6	1064.7	1066.3	1069.4	1072.5	1075.6	1078.7	1080.2
152.5°	1067.8	1072.5	1075.6	1080.2	1081.8	1083.3	1086.4	1089.5	1092.6	1092.6
155°	1080.2	1084.9	1088.0	1092.6	1094.2	1095.7	1098.8	1100.4	1103.5	1103.5
157.5°	1089.5	1094.2	1097.3	1100.4	1102.0	1103.5	1105.1	1108.2	1111.3	1111.3
160°	1100.4	1102.0	1103.5	1106.6	1106.6	1108.2	1109.7	1111.3	1114.4	1114.4
162.5°	1109.7	1111.3	1108.2	1109.7	1108.2	1109.7	1111.3	1112.8	1114.4	1114.4
165°	1112.8	1115.9	1114.4	1115.9	1115.9	1115.9	1115.9	1117.5	1117.5	1117.5
167.5°	1112.8	1115.9	1114.4	1114.4	1115.9	1115.9	1117.5	1119.0	1119.0	1119.0
170°	1112.8	1114.4	1112.8	1111.3	1112.8	1112.8	1112.8	1114.4	1114.4	1114.4
172.5°	1111.3	1112.8	1109.7	1108.2	1108.2	1108.2	1106.6	1106.6	1105.1	1105.1
175°	1109.7	1109.7	1106.6	1105.1	1105.1	1105.1	1102.0	1100.4	1098.8	1097.3
177.5°	1108.2	1108.2	1103.5	1102.0	1102.0	1100.4	1100.4	1097.3	1097.3	1095.7
180°	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1	1105.1

(END OF REPORT)