

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: P395598

Luminaire Tested: **I3-FL-60L82765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395598
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 (4500K)
Description: CORELITE I3, FROSTED TOP COVER
6000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5576.1 lumens
Efficiency: N/A
Efficacy: 124.2 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

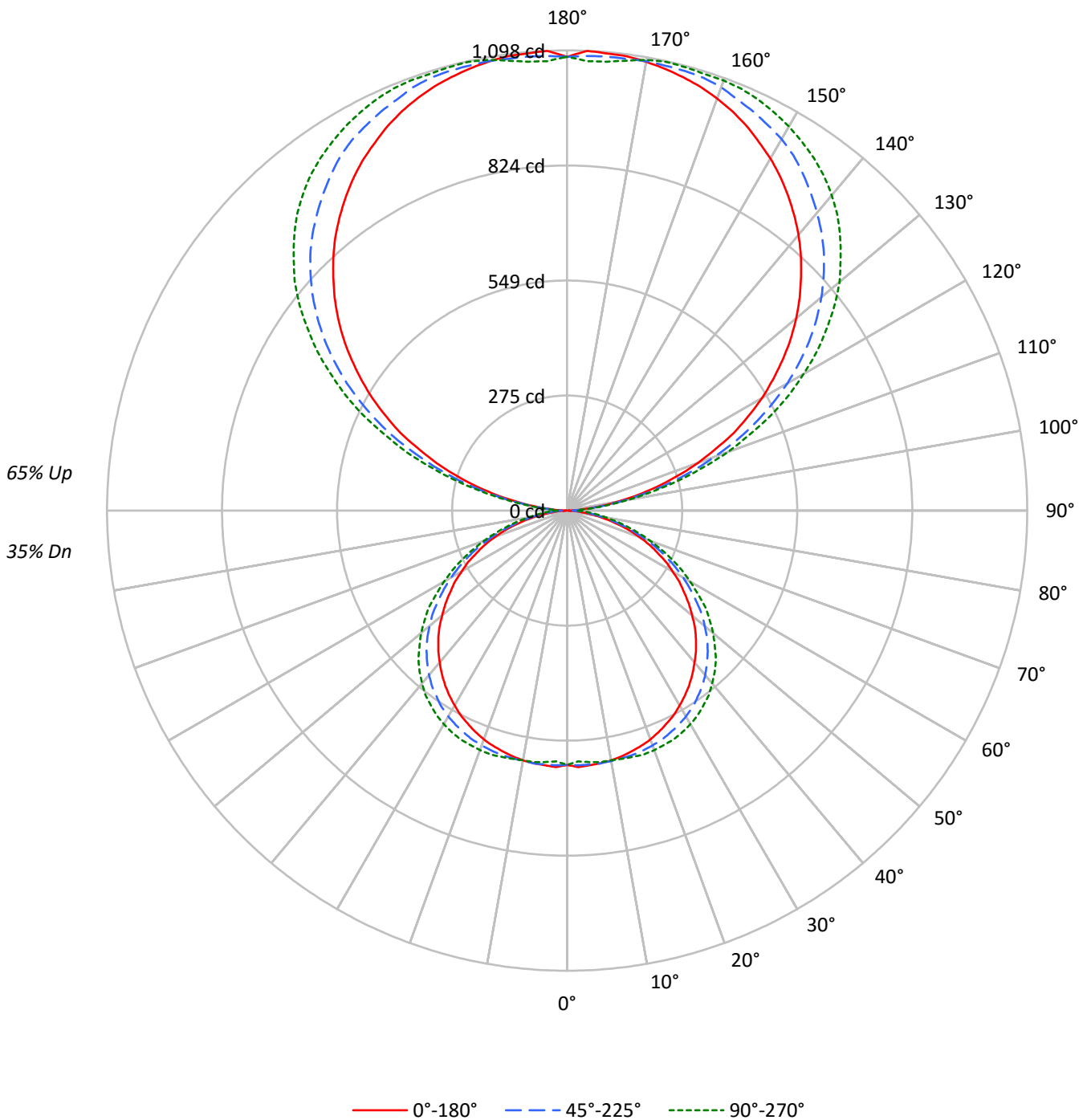
Input Watts (W): 44.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (4500K)

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°	3335	3335	3335
5°	3352	3279	3228
10°	3353	3235	3190
15°	3345	3207	3177
20°	3346	3179	3173
25°	3337	3151	3161
30°	3325	3121	3132
35°	3309	3071	3086
40°	3276	3006	3018
45°	3243	2913	2925
50°	3168	2785	2783
55°	3077	2609	2616
60°	2973	2404	2363
65°	2827	2154	2099
70°	2626	1836	1773
75°	2285	1460	1410
80°	1782	1036	1033
85°	967	593	678



TEST NUMBER: P395598

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (4500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.8	1.0
10°-20°	170.1	3.1
20°-30°	268.3	4.8
30°-40°	337.2	6.0
40°-50°	362.6	6.5
50°-60°	333.5	6.0
60°-70°	255.5	4.6
70°-80°	145.5	2.6
80°-90°	45.4	0.8
90°-100°	60.8	1.1
100°-110°	264.3	4.7
110°-120°	483.8	8.7
120°-130°	623.6	11.2
130°-140°	663.6	11.9
140°-150°	610.5	10.9
150°-160°	483.6	8.7
160°-170°	306.3	5.5
170°-180°	103.7	1.9
0°-30°	496.3	8.9
0°-40°	833.5	14.9
0°-60°	1529.6	27.4
0°-90°	1976.1	35.4
90°-120°	808.8	14.5
90°-150°	2706.5	48.5
90°-180°	3600.0	64.6
0°-180°	5576.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	607	607	607	607	607	
5°	610	604	608	605	602	58
15°	595	592	604	608	608	168
25°	561	563	584	598	602	259
35°	508	514	543	561	567	318
45°	435	446	474	494	502	335
55°	341	354	376	395	403	305
65°	237	245	260	272	277	235
75°	125	128	137	144	149	132
85°	23	29	38	49	52	29
90°	2	5	14	20	23	3
95°	41	40	44	50	52	51
105°	224	234	252	268	272	238
115°	440	459	496	522	535	431
125°	628	655	706	740	756	561
135°	789	815	867	903	922	609
145°	918	938	981	1010	1026	575
155°	1013	1025	1051	1072	1081	467
165°	1070	1070	1086	1093	1095	302
175°	1095	1087	1087	1083	1075	104
180°	1083	1083	1083	1083	1083	



TEST NUMBER: P395598

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	606.7	606.7	606.7	606.7	606.7	606.7	606.7	606.7	606.7	606.7	606.7
2.5°	612.8	611.3	609.8	606.7	606.7	605.2	605.2	605.2	605.2	606.7	608.2
5°	609.8	609.8	608.2	605.2	605.2	603.7	603.7	605.2	603.7	605.2	608.2
7.5°	608.2	608.2	606.7	603.7	603.7	603.7	603.7	603.7	603.7	605.2	608.2
10°	605.2	605.2	602.2	600.6	600.6	600.6	600.6	602.2	602.2	603.7	606.7
12.5°	600.6	599.1	597.6	596.1	596.1	596.1	597.6	599.1	599.1	602.2	605.2
15°	594.6	594.6	593.0	591.5	591.5	591.5	593.0	594.6	596.1	599.1	603.7
17.5°	588.5	588.5	587.0	587.0	587.0	587.0	588.5	590.0	593.0	596.1	600.6
20°	580.9	580.9	579.3	579.3	579.3	580.9	580.9	583.9	587.0	591.5	596.1
22.5°	571.7	571.7	571.7	570.2	571.7	573.3	574.8	577.8	580.9	585.4	591.5
25°	561.1	561.1	561.1	561.1	562.6	562.6	565.7	568.7	571.7	577.8	583.9
27.5°	550.5	550.5	550.5	548.9	552.0	553.5	555.0	559.6	562.6	570.2	576.3
30°	536.8	536.8	536.8	538.3	539.8	541.3	544.4	548.9	552.0	559.6	567.2
32.5°	523.1	523.1	523.1	523.1	527.6	529.2	530.7	535.3	541.3	548.9	556.5
35°	507.9	507.9	507.9	509.4	512.4	514.0	517.0	521.6	527.6	535.3	542.9
37.5°	491.2	492.7	492.7	494.2	497.2	500.3	503.3	507.9	514.0	521.6	529.2
40°	472.9	474.4	474.4	475.9	479.0	482.0	485.1	491.2	497.2	504.8	512.4
42.5°	454.7	456.2	456.2	459.2	462.3	465.3	468.3	474.4	480.5	488.1	494.2
45°	434.9	436.4	436.4	439.5	444.0	445.5	450.1	456.2	462.3	468.3	474.4
47.5°	413.6	415.1	415.1	418.2	422.7	425.8	428.8	434.9	439.5	447.1	453.1
50°	389.3	390.8	392.3	395.4	401.4	404.5	407.5	412.1	418.2	422.7	428.8
52.5°	366.5	366.5	368.0	371.0	375.6	378.6	380.1	384.7	392.3	398.4	404.5
55°	340.6	342.1	343.7	346.7	351.3	354.3	355.8	360.4	364.9	369.5	375.6
57.5°	317.8	317.8	319.3	322.4	326.9	328.4	330.0	333.0	339.1	343.7	348.2
60°	290.4	292.0	293.5	296.5	299.6	302.6	302.6	307.2	311.7	316.3	319.3
62.5°	266.1	266.1	267.6	270.7	272.2	275.2	275.2	279.8	282.8	287.4	290.4
65°	237.2	238.7	240.3	241.8	244.8	244.8	246.3	249.4	252.4	255.5	260.0
67.5°	211.4	211.4	212.9	214.4	215.9	215.9	217.4	220.5	223.5	226.6	229.6
70°	182.5	184.0	184.0	184.0	185.5	187.0	188.6	190.1	193.1	194.6	197.7
72.5°	153.6	153.6	155.1	155.1	156.6	158.1	159.7	161.2	162.7	165.7	167.3
75°	124.7	124.7	126.2	126.2	127.7	127.7	127.7	130.8	132.3	135.3	136.9
77.5°	95.8	97.3	97.3	97.3	98.8	100.4	100.4	101.9	104.9	106.4	108.0
80°	69.9	69.9	69.9	69.9	71.5	73.0	74.5	74.5	77.6	80.6	82.1
82.5°	44.1	44.1	45.6	47.1	47.1	48.7	50.2	51.7	54.7	56.3	57.8
85°	22.8	22.8	24.3	25.9	27.4	28.9	28.9	30.4	33.5	36.5	38.0
87.5°	7.6	9.1	9.1	10.6	12.2	13.7	15.2	16.7	19.8	22.8	24.3
90°	1.5	1.5	1.5	3.0	4.6	4.6	6.1	7.6	9.1	10.6	13.7
92.5°	13.7	13.7	12.2	13.7	13.7	13.7	13.7	15.2	16.7	16.7	19.8
95°	41.1	39.5	39.5	39.5	39.5	39.5	39.5	41.1	42.6	42.6	44.1
97.5°	79.1	79.1	77.6	77.6	79.1	79.1	79.1	80.6	83.6	82.1	85.2
100°	123.2	123.2	121.6	123.2	124.7	126.2	129.3	129.3	132.3	132.3	136.9
102.5°	173.3	173.3	171.8	174.9	176.4	179.4	179.4	182.5	187.0	187.0	193.1
105°	223.5	225.0	225.0	228.1	231.1	234.2	234.2	238.7	244.8	244.8	252.4
107.5°	278.3	279.8	279.8	282.8	285.9	288.9	290.4	296.5	302.6	304.1	313.2
110°	331.5	333.0	334.5	337.6	340.6	345.2	348.2	354.3	361.9	364.9	372.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	381.7	387.8	389.3	393.8	398.4	403.0	406.0	413.6	422.7	427.3	436.4
115°	439.5	442.5	444.0	448.6	454.7	459.2	462.3	469.9	479.0	485.1	495.7
117.5°	486.6	494.2	495.7	500.3	506.4	510.9	514.0	523.1	533.7	541.3	552.0
120°	536.8	542.9	548.9	552.0	556.5	562.6	565.7	574.8	587.0	594.6	606.7
122.5°	582.4	588.5	594.6	599.1	605.2	608.2	612.8	623.4	635.6	644.7	656.9
125°	628.0	635.6	640.2	644.7	652.3	655.4	659.9	670.6	682.7	693.4	705.6
127.5°	672.1	676.7	684.3	687.3	694.9	698.0	702.5	714.7	726.8	737.5	749.7
130°	713.2	719.2	725.3	726.8	736.0	740.5	745.1	755.7	769.4	780.1	792.2
132.5°	752.7	755.7	763.3	767.9	775.5	780.1	784.6	793.8	807.4	818.1	830.2
135°	789.2	792.2	801.4	805.9	810.5	815.0	821.1	830.2	843.9	854.6	866.7
137.5°	825.7	828.7	837.8	842.4	845.5	850.0	854.6	863.7	877.4	888.0	898.7
140°	859.1	862.2	868.3	874.3	877.4	880.4	885.0	894.1	906.3	916.9	927.6
142.5°	889.6	892.6	898.7	904.8	909.3	909.3	913.9	921.5	935.2	945.8	954.9
145°	918.4	920.0	926.0	932.1	938.2	938.2	939.7	947.3	959.5	971.7	980.8
147.5°	945.8	947.3	951.9	958.0	962.5	964.1	967.1	970.1	982.3	994.5	1005.1
150°	970.1	971.7	974.7	980.8	983.8	986.9	989.9	991.4	1000.6	1011.2	1023.4
152.5°	991.4	993.0	996.0	1000.6	1003.6	1006.6	1009.7	1014.2	1018.8	1029.4	1037.0
155°	1012.7	1014.2	1015.8	1020.3	1023.4	1024.9	1026.4	1032.5	1037.0	1043.1	1050.7
157.5°	1031.0	1031.0	1032.5	1035.5	1038.6	1038.6	1040.1	1046.2	1050.7	1056.8	1061.4
160°	1046.2	1046.2	1047.7	1050.7	1050.7	1052.3	1053.8	1058.3	1061.4	1069.0	1075.1
162.5°	1059.9	1058.3	1059.9	1061.4	1061.4	1061.4	1062.9	1065.9	1070.5	1076.6	1082.7
165°	1070.5	1070.5	1070.5	1072.0	1072.0	1070.5	1070.5	1073.5	1076.6	1081.1	1085.7
167.5°	1079.6	1079.6	1078.1	1079.6	1078.1	1078.1	1076.6	1078.1	1079.6	1084.2	1087.2
170°	1087.2	1085.7	1085.7	1085.7	1084.2	1082.7	1082.7	1082.7	1082.7	1085.7	1088.7
172.5°	1093.3	1091.8	1090.3	1090.3	1087.2	1085.7	1085.7	1084.2	1084.2	1085.7	1087.2
175°	1094.8	1093.3	1091.8	1091.8	1088.7	1087.2	1085.7	1085.7	1084.2	1085.7	1087.2
177.5°	1097.9	1096.4	1093.3	1093.3	1090.3	1087.2	1087.2	1085.7	1084.2	1085.7	1085.7
180°	1082.7	1082.7	1082.7	1082.7	1082.7	1082.7	1082.7	1082.7	1082.7	1082.7	1082.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	606.7	606.7	606.7	606.7	606.7	606.7	606.7	606.7	606.7	606.7
2.5°	609.8	609.8	608.2	606.7	606.7	605.2	603.7	602.2	600.6	599.1
5°	609.8	608.2	606.7	606.7	605.2	605.2	605.2	603.7	602.2	602.2
7.5°	609.8	609.8	608.2	606.7	606.7	606.7	606.7	606.7	605.2	605.2
10°	609.8	608.2	608.2	608.2	606.7	608.2	608.2	606.7	606.7	605.2
12.5°	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	606.7
15°	605.2	606.7	606.7	608.2	608.2	608.2	609.8	609.8	608.2	608.2
17.5°	603.7	605.2	606.7	608.2	608.2	608.2	609.8	609.8	609.8	609.8
20°	600.6	602.2	603.7	605.2	605.2	606.7	606.7	608.2	608.2	608.2
22.5°	594.6	596.1	599.1	600.6	602.2	603.7	605.2	605.2	605.2	605.2
25°	588.5	591.5	593.0	596.1	597.6	599.1	600.6	600.6	600.6	602.2
27.5°	580.9	583.9	588.5	590.0	591.5	593.0	594.6	596.1	596.1	596.1
30°	571.7	576.3	579.3	582.4	583.9	585.4	587.0	587.0	588.5	588.5
32.5°	561.1	565.7	568.7	571.7	573.3	574.8	577.8	577.8	579.3	579.3
35°	547.4	552.0	556.5	559.6	561.1	562.6	565.7	567.2	567.2	567.2
37.5°	533.7	538.3	542.9	547.4	548.9	550.5	553.5	553.5	555.0	555.0
40°	517.0	521.6	526.1	530.7	530.7	533.7	535.3	536.8	538.3	538.3
42.5°	500.3	504.8	507.9	512.4	514.0	515.5	517.0	520.0	520.0	521.6
45°	480.5	485.1	488.1	492.7	494.2	495.7	498.8	500.3	501.8	501.8
47.5°	459.2	462.3	465.3	469.9	472.9	474.4	475.9	477.5	479.0	477.5
50°	434.9	437.9	442.5	447.1	448.6	450.1	453.1	453.1	454.7	454.7
52.5°	409.0	413.6	416.6	421.2	422.7	424.2	427.3	427.3	428.8	428.8
55°	380.1	383.2	386.2	393.8	395.4	396.9	399.9	399.9	401.4	403.0
57.5°	352.8	354.3	358.9	361.9	364.9	364.9	366.5	368.0	369.5	369.5
60°	323.9	325.4	328.4	333.0	333.0	334.5	337.6	337.6	339.1	339.1
62.5°	293.5	296.5	299.6	304.1	302.6	304.1	307.2	307.2	308.7	308.7
65°	263.1	264.6	267.6	270.7	272.2	272.2	273.7	275.2	276.7	276.7
67.5°	231.1	234.2	235.7	240.3	238.7	240.3	241.8	241.8	243.3	243.3
70°	200.7	202.2	205.3	206.8	206.8	208.3	209.8	209.8	209.8	211.4
72.5°	170.3	171.8	173.3	174.9	174.9	176.4	177.9	177.9	179.4	179.4
75°	138.4	141.4	142.9	146.0	144.5	146.0	149.0	149.0	149.0	149.0
77.5°	111.0	112.5	115.6	117.1	117.1	117.1	120.1	118.6	120.1	120.1
80°	83.6	85.2	88.2	89.7	89.7	91.2	92.8	92.8	92.8	94.3
82.5°	59.3	62.3	65.4	66.9	66.9	68.4	69.9	69.9	71.5	71.5
85°	41.1	44.1	47.1	47.1	48.7	50.2	51.7	51.7	51.7	51.7
87.5°	27.4	28.9	30.4	31.9	33.5	33.5	35.0	35.0	36.5	36.5
90°	15.2	16.7	18.2	19.8	19.8	21.3	21.3	22.8	22.8	22.8
92.5°	21.3	21.3	22.8	24.3	24.3	24.3	24.3	25.9	25.9	25.9
95°	45.6	47.1	47.1	50.2	50.2	50.2	51.7	51.7	51.7	51.7
97.5°	88.2	88.2	88.2	91.2	91.2	91.2	92.8	92.8	92.8	94.3
100°	138.4	139.9	139.9	144.5	142.9	146.0	146.0	146.0	146.0	147.5
102.5°	194.6	197.7	199.2	203.8	203.8	203.8	206.8	205.3	206.8	206.8
105°	255.5	258.5	260.0	264.6	267.6	267.6	270.7	269.1	270.7	272.2
107.5°	316.3	320.8	323.9	328.4	331.5	333.0	333.0	334.5	336.1	337.6
110°	378.6	383.2	390.8	395.4	396.9	399.9	401.4	403.0	404.5	407.5



TEST NUMBER: P395598

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	444.0	448.6	454.7	460.7	459.2	463.8	466.8	468.3	469.9	468.3
115°	503.3	509.4	515.5	521.6	521.6	524.6	530.7	532.2	532.2	535.3
117.5°	559.6	567.2	573.3	579.3	580.9	583.9	588.5	593.0	593.0	596.1
120°	614.3	623.4	629.5	635.6	638.7	640.2	644.7	650.8	650.8	650.8
122.5°	666.0	673.6	681.2	687.3	690.4	693.4	696.4	704.0	704.0	707.1
125°	714.7	723.8	731.4	737.5	740.5	743.6	749.7	754.2	755.7	755.7
127.5°	760.3	769.4	777.0	784.6	786.1	789.2	795.3	801.4	802.9	804.4
130°	802.9	812.0	819.6	827.2	830.2	831.8	839.4	843.9	847.0	848.5
132.5°	840.9	850.0	857.6	865.2	868.3	871.3	875.9	883.5	885.0	885.0
135°	875.9	885.0	892.6	901.7	903.2	906.3	912.4	916.9	920.0	921.5
137.5°	907.8	916.9	926.0	933.6	936.7	938.2	944.3	950.4	953.4	954.9
140°	936.7	945.8	954.9	961.0	962.5	967.1	971.7	977.7	980.8	982.3
142.5°	964.1	971.7	979.3	986.9	988.4	991.4	996.0	1002.1	1005.1	1006.6
145°	988.4	996.0	1002.1	1008.2	1009.7	1012.7	1017.3	1021.8	1024.9	1026.4
147.5°	1011.2	1017.3	1023.4	1027.9	1029.4	1032.5	1035.5	1038.6	1041.6	1043.1
150°	1031.0	1034.0	1040.1	1043.1	1044.7	1047.7	1050.7	1053.8	1056.8	1058.3
152.5°	1046.2	1050.7	1053.8	1058.3	1059.9	1061.4	1064.4	1067.5	1070.5	1070.5
155°	1058.3	1062.9	1065.9	1070.5	1072.0	1073.5	1076.6	1078.1	1081.1	1081.1
157.5°	1067.5	1072.0	1075.1	1078.1	1079.6	1081.1	1082.7	1085.7	1088.7	1088.7
160°	1078.1	1079.6	1081.1	1084.2	1084.2	1085.7	1087.2	1088.7	1091.8	1091.8
162.5°	1087.2	1088.7	1085.7	1087.2	1085.7	1087.2	1088.7	1090.3	1091.8	1091.8
165°	1090.3	1093.3	1091.8	1093.3	1093.3	1093.3	1093.3	1094.8	1094.8	1094.8
167.5°	1090.3	1093.3	1091.8	1091.8	1093.3	1093.3	1094.8	1096.4	1096.4	1096.4
170°	1090.3	1091.8	1090.3	1088.7	1090.3	1090.3	1090.3	1091.8	1091.8	1091.8
172.5°	1088.7	1090.3	1087.2	1085.7	1085.7	1085.7	1084.2	1084.2	1082.7	1082.7
175°	1087.2	1087.2	1084.2	1082.7	1082.7	1082.7	1079.6	1078.1	1076.6	1075.1
177.5°	1085.7	1085.7	1081.1	1079.6	1079.6	1078.1	1078.1	1075.1	1075.1	1073.5
180°	1082.7	1082.7	1082.7	1082.7	1082.7	1082.7	1082.7	1082.7	1082.7	1082.7

(END OF REPORT)