

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: P395612

Luminaire Tested: **I3-FL-60L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395612
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-60L92765-1D-UNV-W2A-W-4 (5000K)
Description: CORELITE I3, FROSTED TOP COVER
6000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5071.2 lumens
Efficiency: N/A
Efficacy: 112.4 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

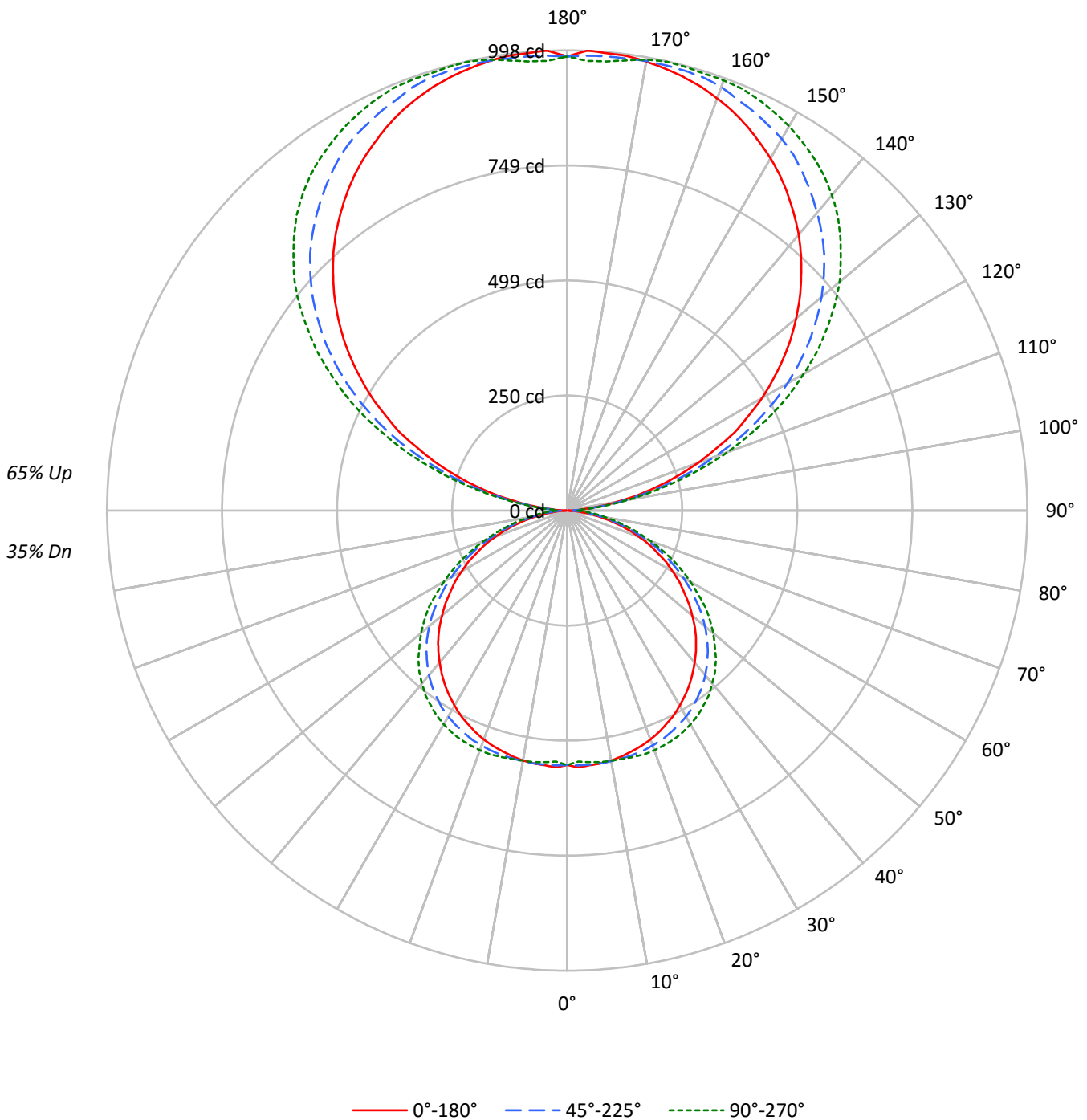
Input Watts (W): 45.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-FL-60L92765-1D-UNV-W2A-W-4 (5000K)

Luminous Intensity Polar Plot





TEST NUMBER: P395612

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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	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°	3033	3033	3033
5°	3048	2983	2936
10°	3049	2942	2901
15°	3042	2916	2890
20°	3043	2891	2886
25°	3035	2865	2874
30°	3024	2838	2849
35°	3010	2793	2806
40°	2980	2734	2745
45°	2949	2650	2661
50°	2881	2533	2531
55°	2799	2373	2379
60°	2704	2186	2149
65°	2571	1959	1909
70°	2387	1670	1612
75°	2078	1327	1282
80°	1622	943	938
85°	878	540	616



TEST NUMBER: P395612

CATALOG NUMBER: I3-FL-60L92765-1D-UNV-W2A-W-4 (5000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.6	1.0
10°-20°	154.7	3.1
20°-30°	244.0	4.8
30°-40°	306.7	6.0
40°-50°	329.7	6.5
50°-60°	303.3	6.0
60°-70°	232.4	4.6
70°-80°	132.3	2.6
80°-90°	41.3	0.8
90°-100°	55.3	1.1
100°-110°	240.3	4.7
110°-120°	440.0	8.7
120°-130°	567.1	11.2
130°-140°	603.5	11.9
140°-150°	555.2	10.9
150°-160°	439.9	8.7
160°-170°	278.5	5.5
170°-180°	94.3	1.9
0°-30°	451.4	8.9
0°-40°	758.0	14.9
0°-60°	1391.1	27.4
0°-90°	1797.1	35.4
90°-120°	735.6	14.5
90°-150°	2461.4	48.5
90°-180°	3274.0	64.6
0°-180°	5071.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	552	552	552	552	552	
5°	554	549	553	550	548	53
15°	541	538	549	553	553	153
25°	510	512	531	544	548	235
35°	462	467	494	510	516	289
45°	396	405	432	449	456	305
55°	310	322	342	360	366	278
65°	216	223	236	248	252	214
75°	113	116	124	131	136	120
85°	21	26	35	44	47	26
90°	1	4	12	18	21	3
95°	37	36	40	46	47	47
105°	203	213	230	243	248	216
115°	400	418	451	474	487	392
125°	571	596	642	674	687	510
135°	718	741	788	821	838	554
145°	835	853	892	918	934	523
155°	921	932	956	975	983	425
165°	974	974	987	994	996	275
175°	996	989	989	985	978	95
180°	985	985	985	985	985	



TEST NUMBER: P395612

CATALOG NUMBER: I3-FL-60L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8
2.5°	557.3	555.9	554.5	551.8	551.8	550.4	550.4	550.4	550.4	551.8	553.2
5°	554.5	554.5	553.2	550.4	550.4	549.0	549.0	550.4	549.0	550.4	553.2
7.5°	553.2	553.2	551.8	549.0	549.0	549.0	549.0	549.0	549.0	550.4	553.2
10°	550.4	550.4	547.6	546.2	546.2	546.2	546.2	547.6	547.6	549.0	551.8
12.5°	546.2	544.9	543.5	542.1	542.1	542.1	543.5	544.9	544.9	547.6	550.4
15°	540.7	540.7	539.3	538.0	538.0	538.0	539.3	540.7	542.1	544.9	549.0
17.5°	535.2	535.2	533.8	533.8	533.8	533.8	535.2	536.6	539.3	542.1	546.2
20°	528.3	528.3	526.9	526.9	526.9	528.3	528.3	531.0	533.8	538.0	542.1
22.5°	520.0	520.0	520.0	518.6	520.0	521.4	522.7	525.5	528.3	532.4	538.0
25°	510.3	510.3	510.3	510.3	511.7	511.7	514.4	517.2	520.0	525.5	531.0
27.5°	500.6	500.6	500.6	499.2	502.0	503.4	504.8	508.9	511.7	518.6	524.1
30°	488.2	488.2	488.2	489.5	490.9	492.3	495.1	499.2	502.0	508.9	515.8
32.5°	475.7	475.7	475.7	475.7	479.9	481.3	482.6	486.8	492.3	499.2	506.1
35°	461.9	461.9	461.9	463.3	466.0	467.4	470.2	474.3	479.9	486.8	493.7
37.5°	446.7	448.1	448.1	449.4	452.2	455.0	457.7	461.9	467.4	474.3	481.3
40°	430.1	431.5	431.5	432.8	435.6	438.4	441.1	446.7	452.2	459.1	466.0
42.5°	413.5	414.9	414.9	417.6	420.4	423.2	425.9	431.5	437.0	443.9	449.4
45°	395.5	396.9	396.9	399.7	403.8	405.2	409.3	414.9	420.4	425.9	431.5
47.5°	376.2	377.5	377.5	380.3	384.4	387.2	390.0	395.5	399.7	406.6	412.1
50°	354.0	355.4	356.8	359.6	365.1	367.9	370.6	374.8	380.3	384.4	390.0
52.5°	333.3	333.3	334.7	337.4	341.6	344.3	345.7	349.9	356.8	362.3	367.9
55°	309.8	311.2	312.5	315.3	319.5	322.2	323.6	327.7	331.9	336.0	341.6
57.5°	289.0	289.0	290.4	293.2	297.3	298.7	300.1	302.9	308.4	312.5	316.7
60°	264.1	265.5	266.9	269.7	272.4	275.2	275.2	279.3	283.5	287.6	290.4
62.5°	242.0	242.0	243.4	246.2	247.5	250.3	250.3	254.5	257.2	261.4	264.1
65°	215.7	217.1	218.5	219.9	222.6	222.6	224.0	226.8	229.6	232.3	236.5
67.5°	192.2	192.2	193.6	195.0	196.4	196.4	197.8	200.5	203.3	206.1	208.8
70°	165.9	167.3	167.3	167.3	168.7	170.1	171.5	172.9	175.6	177.0	179.8
72.5°	139.7	139.7	141.1	141.1	142.4	143.8	145.2	146.6	148.0	150.7	152.1
75°	113.4	113.4	114.8	114.8	116.2	116.2	116.2	118.9	120.3	123.1	124.5
77.5°	87.1	88.5	88.5	88.5	89.9	91.3	91.3	92.7	95.4	96.8	98.2
80°	63.6	63.6	63.6	63.6	65.0	66.4	67.8	67.8	70.5	73.3	74.7
82.5°	40.1	40.1	41.5	42.9	42.9	44.3	45.6	47.0	49.8	51.2	52.6
85°	20.7	20.7	22.1	23.5	24.9	26.3	26.3	27.7	30.4	33.2	34.6
87.5°	6.9	8.3	8.3	9.7	11.1	12.4	13.8	15.2	18.0	20.7	22.1
90°	1.4	1.4	1.4	2.8	4.1	4.1	5.5	6.9	8.3	9.7	12.4
92.5°	12.4	12.4	11.1	12.4	12.4	12.4	12.4	13.8	15.2	15.2	18.0
95°	37.3	36.0	36.0	36.0	36.0	36.0	36.0	37.3	38.7	38.7	40.1
97.5°	71.9	71.9	70.5	70.5	71.9	71.9	71.9	73.3	76.1	74.7	77.4
100°	112.0	112.0	110.6	112.0	113.4	114.8	117.5	117.5	120.3	120.3	124.5
102.5°	157.7	157.7	156.3	159.0	160.4	163.2	163.2	165.9	170.1	170.1	175.6
105°	203.3	204.7	204.7	207.4	210.2	213.0	213.0	217.1	222.6	222.6	229.6
107.5°	253.1	254.5	254.5	257.2	260.0	262.8	264.1	269.7	275.2	276.6	284.9
110°	301.5	302.9	304.2	307.0	309.8	313.9	316.7	322.2	329.1	331.9	338.8



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CATALOG NUMBER: I3-FL-60L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	347.1	352.6	354.0	358.2	362.3	366.5	369.2	376.2	384.4	388.6	396.9
115°	399.7	402.4	403.8	408.0	413.5	417.6	420.4	427.3	435.6	441.1	450.8
117.5°	442.5	449.4	450.8	455.0	460.5	464.7	467.4	475.7	485.4	492.3	502.0
120°	488.2	493.7	499.2	502.0	506.1	511.7	514.4	522.7	533.8	540.7	551.8
122.5°	529.7	535.2	540.7	544.9	550.4	553.2	557.3	567.0	578.1	586.4	597.4
125°	571.1	578.1	582.2	586.4	593.3	596.0	600.2	609.9	620.9	630.6	641.7
127.5°	611.2	615.4	622.3	625.1	632.0	634.8	638.9	650.0	661.0	670.7	681.8
130°	648.6	654.1	659.6	661.0	669.3	673.5	677.6	687.3	699.8	709.4	720.5
132.5°	684.5	687.3	694.2	698.4	705.3	709.4	713.6	721.9	734.3	744.0	755.1
135°	717.7	720.5	728.8	732.9	737.1	741.2	746.8	755.1	767.5	777.2	788.3
137.5°	750.9	753.7	762.0	766.1	768.9	773.0	777.2	785.5	797.9	807.6	817.3
140°	781.3	784.1	789.6	795.2	797.9	800.7	804.9	813.1	824.2	833.9	843.6
142.5°	809.0	811.8	817.3	822.8	827.0	827.0	831.1	838.0	850.5	860.2	868.5
145°	835.3	836.7	842.2	847.7	853.3	853.3	854.6	861.6	872.6	883.7	892.0
147.5°	860.2	861.6	865.7	871.2	875.4	876.8	879.5	882.3	893.4	904.4	914.1
150°	882.3	883.7	886.4	892.0	894.7	897.5	900.3	901.7	910.0	919.6	930.7
152.5°	901.7	903.0	905.8	910.0	912.7	915.5	918.3	922.4	926.5	936.2	943.1
155°	921.0	922.4	923.8	927.9	930.7	932.1	933.5	939.0	943.1	948.7	955.6
157.5°	937.6	937.6	939.0	941.8	944.5	944.5	945.9	951.4	955.6	961.1	965.3
160°	951.4	951.4	952.8	955.6	955.6	957.0	958.4	962.5	965.3	972.2	977.7
162.5°	963.9	962.5	963.9	965.3	965.3	965.3	966.7	969.4	973.6	979.1	984.6
165°	973.6	973.6	973.6	974.9	974.9	973.6	973.6	976.3	979.1	983.2	987.4
167.5°	981.9	981.9	980.5	981.9	980.5	980.5	979.1	980.5	981.9	986.0	988.8
170°	988.8	987.4	987.4	987.4	986.0	984.6	984.6	984.6	984.6	987.4	990.2
172.5°	994.3	992.9	991.5	991.5	988.8	987.4	987.4	986.0	986.0	987.4	988.8
175°	995.7	994.3	992.9	992.9	990.2	988.8	987.4	987.4	986.0	987.4	988.8
177.5°	998.5	997.1	994.3	994.3	991.5	988.8	988.8	987.4	986.0	987.4	987.4
180°	984.6	984.6	984.6	984.6	984.6	984.6	984.6	984.6	984.6	984.6	984.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8
2.5°	554.5	554.5	553.2	551.8	551.8	550.4	549.0	547.6	546.2	544.9
5°	554.5	553.2	551.8	551.8	550.4	550.4	550.4	549.0	547.6	547.6
7.5°	554.5	554.5	553.2	551.8	551.8	551.8	551.8	551.8	550.4	550.4
10°	554.5	553.2	553.2	553.2	551.8	553.2	553.2	551.8	551.8	550.4
12.5°	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2	551.8
15°	550.4	551.8	551.8	553.2	553.2	553.2	554.5	554.5	553.2	553.2
17.5°	549.0	550.4	551.8	553.2	553.2	553.2	554.5	554.5	554.5	554.5
20°	546.2	547.6	549.0	550.4	550.4	551.8	551.8	553.2	553.2	553.2
22.5°	540.7	542.1	544.9	546.2	547.6	549.0	550.4	550.4	550.4	550.4
25°	535.2	538.0	539.3	542.1	543.5	544.9	546.2	546.2	546.2	547.6
27.5°	528.3	531.0	535.2	536.6	538.0	539.3	540.7	542.1	542.1	542.1
30°	520.0	524.1	526.9	529.7	531.0	532.4	533.8	533.8	535.2	535.2
32.5°	510.3	514.4	517.2	520.0	521.4	522.7	525.5	525.5	526.9	526.9
35°	497.8	502.0	506.1	508.9	510.3	511.7	514.4	515.8	515.8	515.8
37.5°	485.4	489.5	493.7	497.8	499.2	500.6	503.4	503.4	504.8	504.8
40°	470.2	474.3	478.5	482.6	482.6	485.4	486.8	488.2	489.5	489.5
42.5°	455.0	459.1	461.9	466.0	467.4	468.8	470.2	473.0	473.0	474.3
45°	437.0	441.1	443.9	448.1	449.4	450.8	453.6	455.0	456.4	456.4
47.5°	417.6	420.4	423.2	427.3	430.1	431.5	432.8	434.2	435.6	434.2
50°	395.5	398.3	402.4	406.6	408.0	409.3	412.1	412.1	413.5	413.5
52.5°	372.0	376.2	378.9	383.1	384.4	385.8	388.6	388.6	390.0	390.0
55°	345.7	348.5	351.3	358.2	359.6	360.9	363.7	363.7	365.1	366.5
57.5°	320.8	322.2	326.4	329.1	331.9	331.9	333.3	334.7	336.0	336.0
60°	294.6	295.9	298.7	302.9	302.9	304.2	307.0	307.0	308.4	308.4
62.5°	266.9	269.7	272.4	276.6	275.2	276.6	279.3	279.3	280.7	280.7
65°	239.2	240.6	243.4	246.2	247.5	247.5	248.9	250.3	251.7	251.7
67.5°	210.2	213.0	214.4	218.5	217.1	218.5	219.9	219.9	221.3	221.3
70°	182.5	183.9	186.7	188.1	188.1	189.5	190.8	190.8	190.8	192.2
72.5°	154.9	156.3	157.7	159.0	159.0	160.4	161.8	161.8	163.2	163.2
75°	125.8	128.6	130.0	132.8	131.4	132.8	135.5	135.5	135.5	135.5
77.5°	101.0	102.3	105.1	106.5	106.5	106.5	109.2	107.9	109.2	109.2
80°	76.1	77.4	80.2	81.6	81.6	83.0	84.4	84.4	84.4	85.7
82.5°	53.9	56.7	59.5	60.8	60.8	62.2	63.6	63.6	65.0	65.0
85°	37.3	40.1	42.9	42.9	44.3	45.6	47.0	47.0	47.0	47.0
87.5°	24.9	26.3	27.7	29.0	30.4	30.4	31.8	31.8	33.2	33.2
90°	13.8	15.2	16.6	18.0	18.0	19.4	19.4	20.7	20.7	20.7
92.5°	19.4	19.4	20.7	22.1	22.1	22.1	22.1	23.5	23.5	23.5
95°	41.5	42.9	42.9	45.6	45.6	45.6	47.0	47.0	47.0	47.0
97.5°	80.2	80.2	80.2	83.0	83.0	83.0	84.4	84.4	84.4	85.7
100°	125.8	127.2	127.2	131.4	130.0	132.8	132.8	132.8	132.8	134.1
102.5°	177.0	179.8	181.2	185.3	185.3	185.3	188.1	186.7	188.1	188.1
105°	232.3	235.1	236.5	240.6	243.4	243.4	246.2	244.8	246.2	247.5
107.5°	287.6	291.8	294.6	298.7	301.5	302.9	302.9	304.2	305.6	307.0
110°	344.3	348.5	355.4	359.6	360.9	363.7	365.1	366.5	367.9	370.6



TEST NUMBER: P395612

CATALOG NUMBER: I3-FL-60L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	403.8	408.0	413.5	419.0	417.6	421.8	424.6	425.9	427.3	425.9
115°	457.7	463.3	468.8	474.3	474.3	477.1	482.6	484.0	484.0	486.8
117.5°	508.9	515.8	521.4	526.9	528.3	531.0	535.2	539.3	539.3	542.1
120°	558.7	567.0	572.5	578.1	580.8	582.2	586.4	591.9	591.9	591.9
122.5°	605.7	612.6	619.5	625.1	627.8	630.6	633.4	640.3	640.3	643.1
125°	650.0	658.3	665.2	670.7	673.5	676.2	681.8	685.9	687.3	687.3
127.5°	691.5	699.8	706.7	713.6	715.0	717.7	723.3	728.8	730.2	731.6
130°	730.2	738.5	745.4	752.3	755.1	756.4	763.4	767.5	770.3	771.7
132.5°	764.7	773.0	780.0	786.9	789.6	792.4	796.6	803.5	804.9	804.9
135°	796.6	804.9	811.8	820.1	821.4	824.2	829.7	833.9	836.7	838.0
137.5°	825.6	833.9	842.2	849.1	851.9	853.3	858.8	864.3	867.1	868.5
140°	851.9	860.2	868.5	874.0	875.4	879.5	883.7	889.2	892.0	893.4
142.5°	876.8	883.7	890.6	897.5	898.9	901.7	905.8	911.3	914.1	915.5
145°	898.9	905.8	911.3	916.9	918.3	921.0	925.2	929.3	932.1	933.5
147.5°	919.6	925.2	930.7	934.8	936.2	939.0	941.8	944.5	947.3	948.7
150°	937.6	940.4	945.9	948.7	950.1	952.8	955.6	958.4	961.1	962.5
152.5°	951.4	955.6	958.4	962.5	963.9	965.3	968.0	970.8	973.6	973.6
155°	962.5	966.7	969.4	973.6	974.9	976.3	979.1	980.5	983.2	983.2
157.5°	970.8	974.9	977.7	980.5	981.9	983.2	984.6	987.4	990.2	990.2
160°	980.5	981.9	983.2	986.0	986.0	987.4	988.8	990.2	992.9	992.9
162.5°	988.8	990.2	987.4	988.8	987.4	988.8	990.2	991.5	992.9	992.9
165°	991.5	994.3	992.9	994.3	994.3	994.3	994.3	995.7	995.7	995.7
167.5°	991.5	994.3	992.9	992.9	994.3	994.3	995.7	997.1	997.1	997.1
170°	991.5	992.9	991.5	990.2	991.5	991.5	991.5	992.9	992.9	992.9
172.5°	990.2	991.5	988.8	987.4	987.4	987.4	986.0	986.0	984.6	984.6
175°	988.8	988.8	986.0	984.6	984.6	984.6	981.9	980.5	979.1	977.7
177.5°	987.4	987.4	983.2	981.9	981.9	980.5	980.5	977.7	977.7	976.3
180°	984.6	984.6	984.6	984.6	984.6	984.6	984.6	984.6	984.6	984.6

(END OF REPORT)