

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: P395584

Luminaire Tested: **I3-FL-50L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395584
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-50L92765-1D-UNV-W2A-W-4 (4000K)
Description: CORELITE I3, FROSTED TOP COVER
5000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4022.3 lumens
Efficiency: N/A
Efficacy: 112.0 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

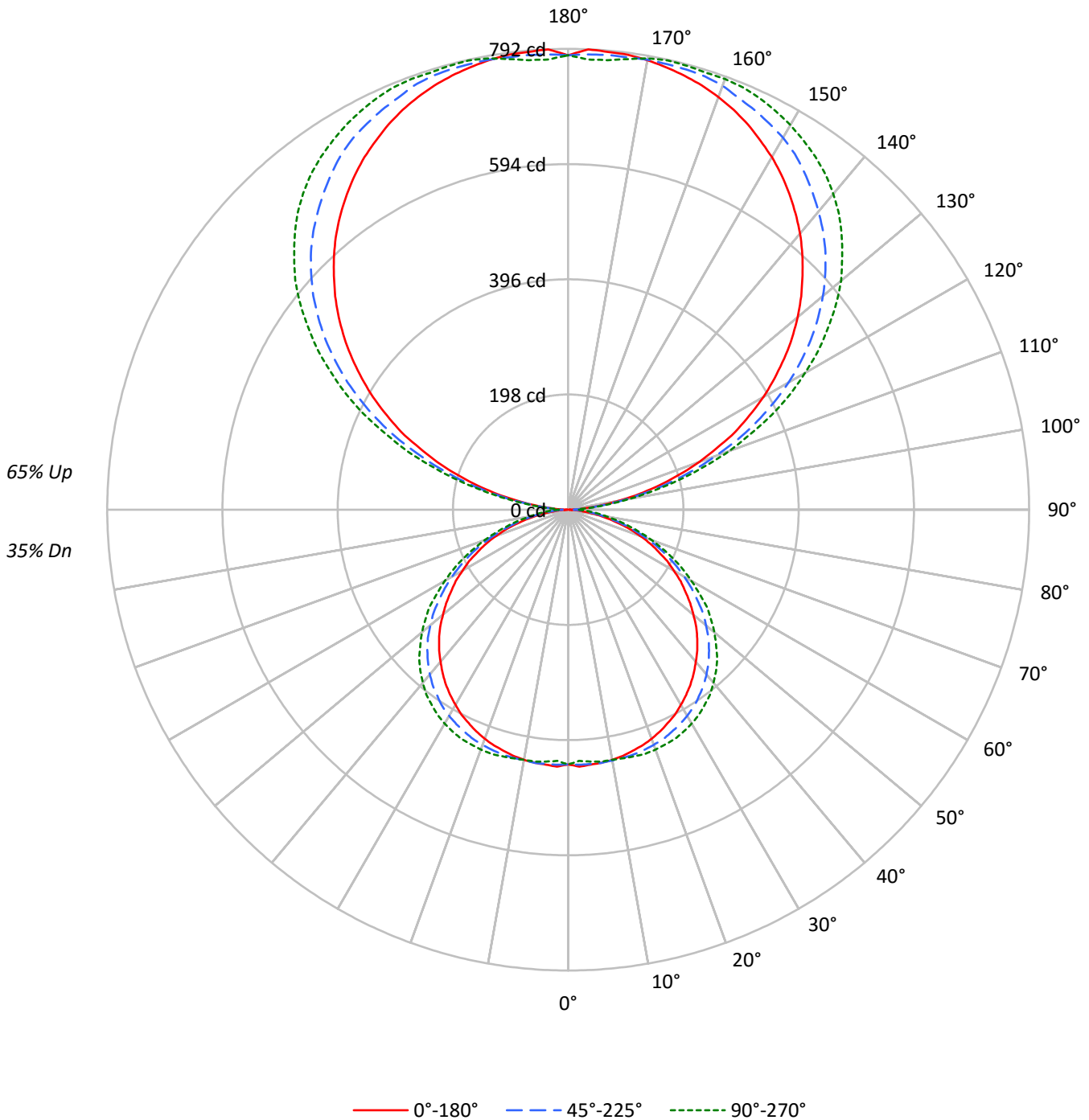
Input Watts (W): 35.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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°	2405	2405	2405
5°	2418	2366	2329
10°	2419	2333	2302
15°	2413	2313	2292
20°	2413	2293	2288
25°	2407	2273	2280
30°	2399	2251	2259
35°	2387	2215	2226
40°	2363	2168	2177
45°	2339	2101	2110
50°	2285	2009	2007
55°	2220	1882	1887
60°	2145	1734	1705
65°	2039	1554	1514
70°	1894	1324	1279
75°	1648	1052	1017
80°	1288	747	745
85°	700	428	489



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CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (4000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.7	1.0
10°-20°	122.7	3.1
20°-30°	193.5	4.8
30°-40°	243.2	6.0
40°-50°	261.5	6.5
50°-60°	240.6	6.0
60°-70°	184.3	4.6
70°-80°	105.0	2.6
80°-90°	32.8	0.8
90°-100°	43.8	1.1
100°-110°	190.6	4.7
110°-120°	349.0	8.7
120°-130°	449.8	11.2
130°-140°	478.6	11.9
140°-150°	440.4	10.9
150°-160°	348.9	8.7
160°-170°	220.9	5.5
170°-180°	74.8	1.9
0°-30°	358.0	8.9
0°-40°	601.2	14.9
0°-60°	1103.4	27.4
0°-90°	1425.4	35.4
90°-120°	583.4	14.5
90°-150°	1952.3	48.5
90°-180°	2597.0	64.6
0°-180°	4022.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	438	438	438	438	438	
5°	440	436	439	437	434	42
15°	429	427	436	439	439	121
25°	405	406	421	431	434	187
35°	366	371	392	405	409	229
45°	314	321	342	356	362	242
55°	246	256	271	285	291	220
65°	171	177	188	196	200	170
75°	90	92	99	104	108	95
85°	16	21	27	35	37	21
90°	1	3	10	14	16	2
95°	30	28	32	36	37	37
105°	161	169	182	193	196	172
115°	317	331	358	376	386	311
125°	453	473	509	534	545	405
135°	569	588	625	652	665	439
145°	662	677	708	728	740	415
155°	730	739	758	773	780	337
165°	772	772	783	789	790	218
175°	790	784	784	781	776	75
180°	781	781	781	781	781	



TEST NUMBER: P395584

CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	437.6	437.6	437.6	437.6	437.6	437.6	437.6	437.6	437.6	437.6	437.6
2.5°	442.0	440.9	439.8	437.6	437.6	436.6	436.6	436.6	436.6	437.6	438.7
5°	439.8	439.8	438.7	436.6	436.6	435.5	435.5	436.6	435.5	436.6	438.7
7.5°	438.7	438.7	437.6	435.5	435.5	435.5	435.5	435.5	435.5	436.6	438.7
10°	436.6	436.6	434.4	433.3	433.3	433.3	433.3	434.4	434.4	435.5	437.6
12.5°	433.3	432.2	431.1	430.0	430.0	430.0	431.1	432.2	432.2	434.4	436.6
15°	428.9	428.9	427.8	426.7	426.7	426.7	427.8	428.9	430.0	432.2	435.5
17.5°	424.5	424.5	423.4	423.4	423.4	423.4	424.5	425.6	427.8	430.0	433.3
20°	419.0	419.0	417.9	417.9	417.9	419.0	419.0	421.2	423.4	426.7	430.0
22.5°	412.4	412.4	412.4	411.3	412.4	413.5	414.6	416.8	419.0	422.3	426.7
25°	404.7	404.7	404.7	404.7	405.8	405.8	408.0	410.2	412.4	416.8	421.2
27.5°	397.1	397.1	397.1	396.0	398.2	399.3	400.4	403.6	405.8	411.3	415.7
30°	387.2	387.2	387.2	388.3	389.4	390.5	392.7	396.0	398.2	403.6	409.1
32.5°	377.3	377.3	377.3	377.3	380.6	381.7	382.8	386.1	390.5	396.0	401.5
35°	366.4	366.4	366.4	367.4	369.6	370.7	372.9	376.2	380.6	386.1	391.6
37.5°	354.3	355.4	355.4	356.5	358.7	360.9	363.1	366.4	370.7	376.2	381.7
40°	341.1	342.2	342.2	343.3	345.5	347.7	349.9	354.3	358.7	364.2	369.6
42.5°	328.0	329.1	329.1	331.3	333.4	335.6	337.8	342.2	346.6	352.1	356.5
45°	313.7	314.8	314.8	317.0	320.3	321.4	324.7	329.1	333.4	337.8	342.2
47.5°	298.3	299.4	299.4	301.6	304.9	307.1	309.3	313.7	317.0	322.5	326.9
50°	280.8	281.9	283.0	285.2	289.6	291.8	294.0	297.2	301.6	304.9	309.3
52.5°	264.3	264.3	265.4	267.6	270.9	273.1	274.2	277.5	283.0	287.4	291.8
55°	245.7	246.8	247.9	250.1	253.4	255.6	256.7	260.0	263.2	266.5	270.9
57.5°	229.2	229.2	230.3	232.5	235.8	236.9	238.0	240.2	244.6	247.9	251.2
60°	209.5	210.6	211.7	213.9	216.1	218.3	218.3	221.6	224.9	228.1	230.3
62.5°	192.0	192.0	193.0	195.2	196.3	198.5	198.5	201.8	204.0	207.3	209.5
65°	171.1	172.2	173.3	174.4	176.6	176.6	177.7	179.9	182.1	184.3	187.6
67.5°	152.5	152.5	153.6	154.7	155.8	155.8	156.9	159.0	161.2	163.4	165.6
70°	131.6	132.7	132.7	132.7	133.8	134.9	136.0	137.1	139.3	140.4	142.6
72.5°	110.8	110.8	111.9	111.9	113.0	114.1	115.2	116.3	117.4	119.6	120.7
75°	89.9	89.9	91.0	91.0	92.1	92.1	92.1	94.3	95.4	97.6	98.7
77.5°	69.1	70.2	70.2	70.2	71.3	72.4	72.4	73.5	75.7	76.8	77.9
80°	50.5	50.5	50.5	50.5	51.6	52.6	53.7	53.7	55.9	58.1	59.2
82.5°	31.8	31.8	32.9	34.0	34.0	35.1	36.2	37.3	39.5	40.6	41.7
85°	16.5	16.5	17.5	18.6	19.7	20.8	20.8	21.9	24.1	26.3	27.4
87.5°	5.5	6.6	6.6	7.7	8.8	9.9	11.0	12.1	14.3	16.5	17.5
90°	1.1	1.1	1.1	2.2	3.3	3.3	4.4	5.5	6.6	7.7	9.9
92.5°	9.9	9.9	8.8	9.9	9.9	9.9	9.9	11.0	12.1	12.1	14.3
95°	29.6	28.5	28.5	28.5	28.5	28.5	28.5	29.6	30.7	30.7	31.8
97.5°	57.0	57.0	55.9	55.9	57.0	57.0	57.0	58.1	60.3	59.2	61.4
100°	88.8	88.8	87.7	88.8	89.9	91.0	93.2	93.2	95.4	95.4	98.7
102.5°	125.0	125.0	123.9	126.1	127.2	129.4	129.4	131.6	134.9	134.9	139.3
105°	161.2	162.3	162.3	164.5	166.7	168.9	168.9	172.2	176.6	176.6	182.1
107.5°	200.7	201.8	201.8	204.0	206.2	208.4	209.5	213.9	218.3	219.4	226.0
110°	239.1	240.2	241.3	243.5	245.7	249.0	251.2	255.6	261.1	263.2	268.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	275.3	279.7	280.8	284.1	287.4	290.7	292.9	298.3	304.9	308.2	314.8
115°	317.0	319.2	320.3	323.6	328.0	331.3	333.4	338.9	345.5	349.9	357.6
117.5°	351.0	356.5	357.6	360.9	365.3	368.5	370.7	377.3	385.0	390.5	398.2
120°	387.2	391.6	396.0	398.2	401.5	405.8	408.0	414.6	423.4	428.9	437.6
122.5°	420.1	424.5	428.9	432.2	436.6	438.7	442.0	449.7	458.5	465.1	473.8
125°	453.0	458.5	461.8	465.1	470.6	472.7	476.0	483.7	492.5	500.2	508.9
127.5°	484.8	488.1	493.6	495.8	501.3	503.5	506.8	515.5	524.3	532.0	540.8
130°	514.4	518.8	523.2	524.3	530.9	534.2	537.5	545.1	555.0	562.7	571.5
132.5°	542.9	545.1	550.6	553.9	559.4	562.7	566.0	572.6	582.4	590.1	598.9
135°	569.3	571.5	578.0	581.3	584.6	587.9	592.3	598.9	608.8	616.4	625.2
137.5°	595.6	597.8	604.4	607.7	609.9	613.1	616.4	623.0	632.9	640.6	648.2
140°	619.7	621.9	626.3	630.7	632.9	635.1	638.4	645.0	653.7	661.4	669.1
142.5°	641.7	643.9	648.2	652.6	655.9	655.9	659.2	664.7	674.6	682.2	688.8
145°	662.5	663.6	668.0	672.4	676.8	676.8	677.9	683.3	692.1	700.9	707.5
147.5°	682.2	683.3	686.6	691.0	694.3	695.4	697.6	699.8	708.6	717.3	725.0
150°	699.8	700.9	703.1	707.5	709.7	711.9	714.1	715.2	721.7	729.4	738.2
152.5°	715.2	716.3	718.4	721.7	723.9	726.1	728.3	731.6	734.9	742.6	748.1
155°	730.5	731.6	732.7	736.0	738.2	739.3	740.4	744.8	748.1	752.4	757.9
157.5°	743.7	743.7	744.8	747.0	749.2	749.2	750.3	754.6	757.9	762.3	765.6
160°	754.6	754.6	755.7	757.9	757.9	759.0	760.1	763.4	765.6	771.1	775.5
162.5°	764.5	763.4	764.5	765.6	765.6	765.6	766.7	768.9	772.2	776.6	781.0
165°	772.2	772.2	772.2	773.3	773.3	772.2	772.2	774.4	776.6	779.9	783.2
167.5°	778.8	778.8	777.7	778.8	777.7	777.7	776.6	777.7	778.8	782.1	784.3
170°	784.3	783.2	783.2	783.2	782.1	781.0	781.0	781.0	781.0	783.2	785.4
172.5°	788.6	787.5	786.5	786.5	784.3	783.2	783.2	782.1	782.1	783.2	784.3
175°	789.7	788.6	787.5	787.5	785.4	784.3	783.2	783.2	782.1	783.2	784.3
177.5°	791.9	790.8	788.6	788.6	786.5	784.3	784.3	783.2	782.1	783.2	783.2
180°	781.0	781.0	781.0	781.0	781.0	781.0	781.0	781.0	781.0	781.0	781.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	437.6	437.6	437.6	437.6	437.6	437.6	437.6	437.6	437.6	437.6
2.5°	439.8	439.8	438.7	437.6	437.6	436.6	435.5	434.4	433.3	432.2
5°	439.8	438.7	437.6	437.6	436.6	436.6	436.6	435.5	434.4	434.4
7.5°	439.8	439.8	438.7	437.6	437.6	437.6	437.6	437.6	436.6	436.6
10°	439.8	438.7	438.7	438.7	437.6	438.7	438.7	437.6	437.6	436.6
12.5°	438.7	438.7	438.7	438.7	438.7	438.7	438.7	438.7	438.7	437.6
15°	436.6	437.6	437.6	438.7	438.7	438.7	439.8	439.8	438.7	438.7
17.5°	435.5	436.6	437.6	438.7	438.7	438.7	439.8	439.8	439.8	439.8
20°	433.3	434.4	435.5	436.6	436.6	437.6	437.6	438.7	438.7	438.7
22.5°	428.9	430.0	432.2	433.3	434.4	435.5	436.6	436.6	436.6	436.6
25°	424.5	426.7	427.8	430.0	431.1	432.2	433.3	433.3	433.3	434.4
27.5°	419.0	421.2	424.5	425.6	426.7	427.8	428.9	430.0	430.0	430.0
30°	412.4	415.7	417.9	420.1	421.2	422.3	423.4	423.4	424.5	424.5
32.5°	404.7	408.0	410.2	412.4	413.5	414.6	416.8	416.8	417.9	417.9
35°	394.9	398.2	401.5	403.6	404.7	405.8	408.0	409.1	409.1	409.1
37.5°	385.0	388.3	391.6	394.9	396.0	397.1	399.3	399.3	400.4	400.4
40°	372.9	376.2	379.5	382.8	382.8	385.0	386.1	387.2	388.3	388.3
42.5°	360.9	364.2	366.4	369.6	370.7	371.8	372.9	375.1	375.1	376.2
45°	346.6	349.9	352.1	355.4	356.5	357.6	359.8	360.9	362.0	362.0
47.5°	331.3	333.4	335.6	338.9	341.1	342.2	343.3	344.4	345.5	344.4
50°	313.7	315.9	319.2	322.5	323.6	324.7	326.9	326.9	328.0	328.0
52.5°	295.1	298.3	300.5	303.8	304.9	306.0	308.2	308.2	309.3	309.3
55°	274.2	276.4	278.6	284.1	285.2	286.3	288.5	288.5	289.6	290.7
57.5°	254.5	255.6	258.9	261.1	263.2	263.2	264.3	265.4	266.5	266.5
60°	233.6	234.7	236.9	240.2	240.2	241.3	243.5	243.5	244.6	244.6
62.5°	211.7	213.9	216.1	219.4	218.3	219.4	221.6	221.6	222.7	222.7
65°	189.8	190.9	193.0	195.2	196.3	196.3	197.4	198.5	199.6	199.6
67.5°	166.7	168.9	170.0	173.3	172.2	173.3	174.4	174.4	175.5	175.5
70°	144.8	145.9	148.1	149.2	149.2	150.3	151.4	151.4	151.4	152.5
72.5°	122.8	123.9	125.0	126.1	126.1	127.2	128.3	128.3	129.4	129.4
75°	99.8	102.0	103.1	105.3	104.2	105.3	107.5	107.5	107.5	107.5
77.5°	80.1	81.2	83.4	84.5	84.5	84.5	86.7	85.6	86.7	86.7
80°	60.3	61.4	63.6	64.7	64.7	65.8	66.9	66.9	66.9	68.0
82.5°	42.8	45.0	47.2	48.3	48.3	49.4	50.5	50.5	51.6	51.6
85°	29.6	31.8	34.0	34.0	35.1	36.2	37.3	37.3	37.3	37.3
87.5°	19.7	20.8	21.9	23.0	24.1	24.1	25.2	25.2	26.3	26.3
90°	11.0	12.1	13.2	14.3	14.3	15.4	15.4	16.5	16.5	16.5
92.5°	15.4	15.4	16.5	17.5	17.5	17.5	17.5	18.6	18.6	18.6
95°	32.9	34.0	34.0	36.2	36.2	36.2	37.3	37.3	37.3	37.3
97.5°	63.6	63.6	63.6	65.8	65.8	65.8	66.9	66.9	66.9	68.0
100°	99.8	100.9	100.9	104.2	103.1	105.3	105.3	105.3	105.3	106.4
102.5°	140.4	142.6	143.7	147.0	147.0	147.0	149.2	148.1	149.2	149.2
105°	184.3	186.5	187.6	190.9	193.0	193.0	195.2	194.1	195.2	196.3
107.5°	228.1	231.4	233.6	236.9	239.1	240.2	240.2	241.3	242.4	243.5
110°	273.1	276.4	281.9	285.2	286.3	288.5	289.6	290.7	291.8	294.0



TEST NUMBER: P395584

CATALOG NUMBER: I3-FL-50L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	320.3	323.6	328.0	332.3	331.3	334.5	336.7	337.8	338.9	337.8
115°	363.1	367.4	371.8	376.2	376.2	378.4	382.8	383.9	383.9	386.1
117.5°	403.6	409.1	413.5	417.9	419.0	421.2	424.5	427.8	427.8	430.0
120°	443.1	449.7	454.1	458.5	460.7	461.8	465.1	469.5	469.5	469.5
122.5°	480.4	485.9	491.4	495.8	498.0	500.2	502.4	507.8	507.8	510.0
125°	515.5	522.1	527.6	532.0	534.2	536.4	540.8	544.0	545.1	545.1
127.5°	548.4	555.0	560.5	566.0	567.1	569.3	573.7	578.0	579.1	580.2
130°	579.1	585.7	591.2	596.7	598.9	600.0	605.5	608.8	611.0	612.0
132.5°	606.6	613.1	618.6	624.1	626.3	628.5	631.8	637.3	638.4	638.4
135°	631.8	638.4	643.9	650.4	651.5	653.7	658.1	661.4	663.6	664.7
137.5°	654.8	661.4	668.0	673.5	675.7	676.8	681.2	685.5	687.7	688.8
140°	675.7	682.2	688.8	693.2	694.3	697.6	700.9	705.3	707.5	708.6
142.5°	695.4	700.9	706.4	711.9	713.0	715.2	718.4	722.8	725.0	726.1
145°	713.0	718.4	722.8	727.2	728.3	730.5	733.8	737.1	739.3	740.4
147.5°	729.4	733.8	738.2	741.5	742.6	744.8	747.0	749.2	751.4	752.4
150°	743.7	745.9	750.3	752.4	753.5	755.7	757.9	760.1	762.3	763.4
152.5°	754.6	757.9	760.1	763.4	764.5	765.6	767.8	770.0	772.2	772.2
155°	763.4	766.7	768.9	772.2	773.3	774.4	776.6	777.7	779.9	779.9
157.5°	770.0	773.3	775.5	777.7	778.8	779.9	781.0	783.2	785.4	785.4
160°	777.7	778.8	779.9	782.1	782.1	783.2	784.3	785.4	787.5	787.5
162.5°	784.3	785.4	783.2	784.3	783.2	784.3	785.4	786.5	787.5	787.5
165°	786.5	788.6	787.5	788.6	788.6	788.6	788.6	789.7	789.7	789.7
167.5°	786.5	788.6	787.5	787.5	788.6	788.6	789.7	790.8	790.8	790.8
170°	786.5	787.5	786.5	785.4	786.5	786.5	786.5	787.5	787.5	787.5
172.5°	785.4	786.5	784.3	783.2	783.2	783.2	782.1	782.1	781.0	781.0
175°	784.3	784.3	782.1	781.0	781.0	781.0	778.8	777.7	776.6	775.5
177.5°	783.2	783.2	779.9	778.8	778.8	777.7	777.7	775.5	775.5	774.4
180°	781.0	781.0	781.0	781.0	781.0	781.0	781.0	781.0	781.0	781.0

(END OF REPORT)