

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: P395560

Luminaire Tested: **I3-FL-40L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395560
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-40L92765-1D-UNV-W2A-W-4 (5000K)
Description: CORELITE I3, FROSTED TOP COVER
4000 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: 3371.7 lumens
Efficiency: N/A
Efficacy: 118.3 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

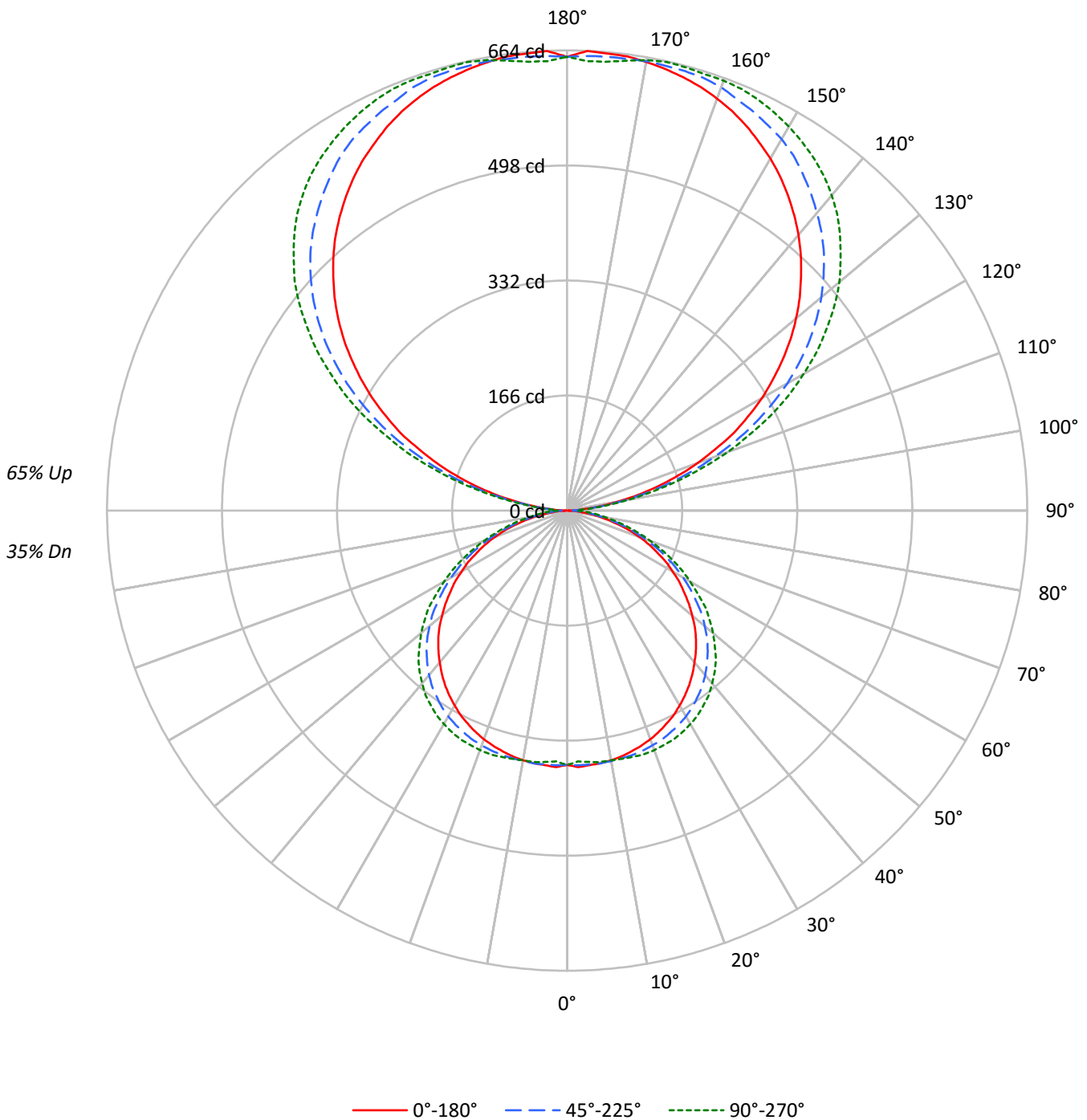
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-FL-40L92765-1D-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	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°	2017	2017	2017
5°	2027	1983	1952
10°	2027	1956	1929
15°	2023	1939	1921
20°	2023	1922	1919
25°	2018	1905	1911
30°	2011	1887	1894
35°	2001	1857	1866
40°	1981	1818	1825
45°	1961	1762	1769
50°	1916	1684	1682
55°	1861	1577	1582
60°	1798	1454	1429
65°	1709	1302	1269
70°	1587	1110	1072
75°	1382	882	853
80°	1079	626	624
85°	586	359	410



TEST NUMBER: P395560

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.0	1.0
10°-20°	102.9	3.1
20°-30°	162.2	4.8
30°-40°	203.9	6.0
40°-50°	219.2	6.5
50°-60°	201.7	6.0
60°-70°	154.5	4.6
70°-80°	88.0	2.6
80°-90°	27.5	0.8
90°-100°	36.7	1.1
100°-110°	159.8	4.7
110°-120°	292.5	8.7
120°-130°	377.1	11.2
130°-140°	401.2	11.9
140°-150°	369.1	10.9
150°-160°	292.4	8.7
160°-170°	185.2	5.5
170°-180°	62.7	1.9
0°-30°	300.1	8.9
0°-40°	504.0	14.9
0°-60°	924.9	27.4
0°-90°	1194.9	35.4
90°-120°	489.1	14.5
90°-150°	1636.5	48.5
90°-180°	2177.0	64.6
0°-180°	3371.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	367	367	367	367	367	
5°	369	365	368	366	364	35
15°	360	358	365	368	368	102
25°	339	340	353	361	364	157
35°	307	311	328	339	343	192
45°	263	269	287	299	303	203
55°	206	214	227	239	244	185
65°	143	148	157	165	167	142
75°	75	77	83	87	90	80
85°	14	18	23	29	31	17
90°	1	3	8	12	14	2
95°	25	24	27	30	31	31
105°	135	142	153	162	165	144
115°	266	278	300	315	324	261
125°	380	396	427	448	457	339
135°	477	493	524	546	557	368
145°	555	567	593	610	621	348
155°	612	620	635	648	654	282
165°	647	647	656	661	662	183
175°	662	657	657	655	650	63
180°	655	655	655	655	655	



TEST NUMBER: P395560

CATALOG NUMBER: I3-FL-40L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	366.9	366.9	366.9	366.9	366.9	366.9	366.9	366.9	366.9	366.9	366.9
2.5°	370.5	369.6	368.7	366.9	366.9	365.9	365.9	365.9	365.9	366.9	367.8
5°	368.7	368.7	367.8	365.9	365.9	365.0	365.0	365.9	365.0	365.9	367.8
7.5°	367.8	367.8	366.9	365.0	365.0	365.0	365.0	365.0	365.0	365.9	367.8
10°	365.9	365.9	364.1	363.2	363.2	363.2	363.2	364.1	364.1	365.0	366.9
12.5°	363.2	362.3	361.3	360.4	360.4	360.4	361.3	362.3	362.3	364.1	365.9
15°	359.5	359.5	358.6	357.7	357.7	357.7	358.6	359.5	360.4	362.3	365.0
17.5°	355.8	355.8	354.9	354.9	354.9	354.9	355.8	356.7	358.6	360.4	363.2
20°	351.2	351.2	350.3	350.3	350.3	351.2	351.2	353.1	354.9	357.7	360.4
22.5°	345.7	345.7	345.7	344.8	345.7	346.6	347.5	349.4	351.2	354.0	357.7
25°	339.3	339.3	339.3	339.3	340.2	340.2	342.0	343.9	345.7	349.4	353.1
27.5°	332.8	332.8	332.8	331.9	333.8	334.7	335.6	338.4	340.2	344.8	348.5
30°	324.6	324.6	324.6	325.5	326.4	327.3	329.2	331.9	333.8	338.4	343.0
32.5°	316.3	316.3	316.3	316.3	319.0	320.0	320.9	323.6	327.3	331.9	336.5
35°	307.1	307.1	307.1	308.0	309.9	310.8	312.6	315.4	319.0	323.6	328.2
37.5°	297.0	297.9	297.9	298.8	300.7	302.5	304.3	307.1	310.8	315.4	320.0
40°	285.9	286.9	286.9	287.8	289.6	291.5	293.3	297.0	300.7	305.3	309.9
42.5°	274.9	275.8	275.8	277.7	279.5	281.3	283.2	286.9	290.5	295.1	298.8
45°	263.0	263.9	263.9	265.7	268.5	269.4	272.2	275.8	279.5	283.2	286.9
47.5°	250.1	251.0	251.0	252.8	255.6	257.4	259.3	263.0	265.7	270.3	274.0
50°	235.4	236.3	237.2	239.1	242.7	244.6	246.4	249.2	252.8	255.6	259.3
52.5°	221.6	221.6	222.5	224.3	227.1	228.9	229.9	232.6	237.2	240.9	244.6
55°	206.0	206.9	207.8	209.6	212.4	214.2	215.1	217.9	220.7	223.4	227.1
57.5°	192.2	192.2	193.1	194.9	197.7	198.6	199.5	201.4	205.0	207.8	210.6
60°	175.6	176.5	177.5	179.3	181.1	183.0	183.0	185.7	188.5	191.2	193.1
62.5°	160.9	160.9	161.8	163.7	164.6	166.4	166.4	169.2	171.0	173.8	175.6
65°	143.4	144.4	145.3	146.2	148.0	148.0	148.9	150.8	152.6	154.5	157.2
67.5°	127.8	127.8	128.7	129.6	130.6	130.6	131.5	133.3	135.2	137.0	138.8
70°	110.3	111.3	111.3	111.3	112.2	113.1	114.0	114.9	116.8	117.7	119.5
72.5°	92.9	92.9	93.8	93.8	94.7	95.6	96.5	97.5	98.4	100.2	101.1
75°	75.4	75.4	76.3	76.3	77.2	77.2	77.2	79.1	80.0	81.8	82.7
77.5°	57.9	58.8	58.8	58.8	59.8	60.7	60.7	61.6	63.4	64.4	65.3
80°	42.3	42.3	42.3	42.3	43.2	44.1	45.1	45.1	46.9	48.7	49.6
82.5°	26.7	26.7	27.6	28.5	28.5	29.4	30.3	31.3	33.1	34.0	34.9
85°	13.8	13.8	14.7	15.6	16.5	17.5	17.5	18.4	20.2	22.1	23.0
87.5°	4.6	5.5	5.5	6.4	7.4	8.3	9.2	10.1	12.0	13.8	14.7
90°	0.9	0.9	0.9	1.8	2.8	2.8	3.7	4.6	5.5	6.4	8.3
92.5°	8.3	8.3	7.4	8.3	8.3	8.3	8.3	9.2	10.1	10.1	12.0
95°	24.8	23.9	23.9	23.9	23.9	23.9	23.9	24.8	25.7	25.7	26.7
97.5°	47.8	47.8	46.9	46.9	47.8	47.8	47.8	48.7	50.6	49.6	51.5
100°	74.5	74.5	73.6	74.5	75.4	76.3	78.2	78.2	80.0	80.0	82.7
102.5°	104.8	104.8	103.9	105.7	106.7	108.5	108.5	110.3	113.1	113.1	116.8
105°	135.2	136.1	136.1	137.9	139.8	141.6	141.6	144.4	148.0	148.0	152.6
107.5°	168.3	169.2	169.2	171.0	172.9	174.7	175.6	179.3	183.0	183.9	189.4
110°	200.4	201.4	202.3	204.1	206.0	208.7	210.6	214.2	218.8	220.7	225.3



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CATALOG NUMBER: I3-FL-40L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	230.8	234.5	235.4	238.1	240.9	243.7	245.5	250.1	255.6	258.4	263.9
115°	265.7	267.6	268.5	271.2	274.9	277.7	279.5	284.1	289.6	293.3	299.7
117.5°	294.2	298.8	299.7	302.5	306.2	308.9	310.8	316.3	322.7	327.3	333.8
120°	324.6	328.2	331.9	333.8	336.5	340.2	342.0	347.5	354.9	359.5	366.9
122.5°	352.1	355.8	359.5	362.3	365.9	367.8	370.5	377.0	384.3	389.8	397.2
125°	379.7	384.3	387.1	389.8	394.4	396.3	399.0	405.5	412.8	419.3	426.6
127.5°	406.4	409.2	413.7	415.6	420.2	422.0	424.8	432.1	439.5	445.9	453.3
130°	431.2	434.9	438.6	439.5	445.0	447.8	450.5	457.0	465.2	471.7	479.0
132.5°	455.1	457.0	461.6	464.3	468.9	471.7	474.4	479.9	488.2	494.7	502.0
135°	477.2	479.0	484.5	487.3	490.1	492.8	496.5	502.0	510.3	516.7	524.1
137.5°	499.3	501.1	506.6	509.4	511.2	514.0	516.7	522.2	530.5	537.0	543.4
140°	519.5	521.3	525.0	528.7	530.5	532.4	535.1	540.6	548.0	554.4	560.9
142.5°	537.9	539.7	543.4	547.1	549.8	549.8	552.6	557.2	565.5	571.9	577.4
145°	555.3	556.3	559.9	563.6	567.3	567.3	568.2	572.8	580.2	587.5	593.0
147.5°	571.9	572.8	575.6	579.2	582.0	582.9	584.8	586.6	594.0	601.3	607.7
150°	586.6	587.5	589.4	593.0	594.9	596.7	598.6	599.5	605.0	611.4	618.8
152.5°	599.5	600.4	602.2	605.0	606.8	608.7	610.5	613.3	616.0	622.5	627.1
155°	612.3	613.3	614.2	616.9	618.8	619.7	620.6	624.3	627.1	630.7	635.3
157.5°	623.4	623.4	624.3	626.1	628.0	628.0	628.9	632.6	635.3	639.0	641.8
160°	632.6	632.6	633.5	635.3	635.3	636.3	637.2	639.9	641.8	646.4	650.0
162.5°	640.8	639.9	640.8	641.8	641.8	641.8	642.7	644.5	647.3	651.0	654.6
165°	647.3	647.3	647.3	648.2	648.2	647.3	647.3	649.1	651.0	653.7	656.5
167.5°	652.8	652.8	651.9	652.8	651.9	651.9	651.0	651.9	652.8	655.6	657.4
170°	657.4	656.5	656.5	656.5	655.6	654.6	654.6	654.6	654.6	656.5	658.3
172.5°	661.1	660.2	659.2	659.2	657.4	656.5	656.5	655.6	655.6	656.5	657.4
175°	662.0	661.1	660.2	660.2	658.3	657.4	656.5	656.5	655.6	656.5	657.4
177.5°	663.8	662.9	661.1	661.1	659.2	657.4	657.4	656.5	655.6	656.5	656.5
180°	654.6	654.6	654.6	654.6	654.6	654.6	654.6	654.6	654.6	654.6	654.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	366.9	366.9	366.9	366.9	366.9	366.9	366.9	366.9	366.9	366.9
2.5°	368.7	368.7	367.8	366.9	366.9	365.9	365.0	364.1	363.2	362.3
5°	368.7	367.8	366.9	366.9	365.9	365.9	365.9	365.0	364.1	364.1
7.5°	368.7	368.7	367.8	366.9	366.9	366.9	366.9	366.9	365.9	365.9
10°	368.7	367.8	367.8	367.8	366.9	367.8	367.8	366.9	366.9	365.9
12.5°	367.8	367.8	367.8	367.8	367.8	367.8	367.8	367.8	367.8	366.9
15°	365.9	366.9	366.9	367.8	367.8	367.8	368.7	368.7	367.8	367.8
17.5°	365.0	365.9	366.9	367.8	367.8	367.8	368.7	368.7	368.7	368.7
20°	363.2	364.1	365.0	365.9	365.9	366.9	366.9	367.8	367.8	367.8
22.5°	359.5	360.4	362.3	363.2	364.1	365.0	365.9	365.9	365.9	365.9
25°	355.8	357.7	358.6	360.4	361.3	362.3	363.2	363.2	363.2	364.1
27.5°	351.2	353.1	355.8	356.7	357.7	358.6	359.5	360.4	360.4	360.4
30°	345.7	348.5	350.3	352.1	353.1	354.0	354.9	354.9	355.8	355.8
32.5°	339.3	342.0	343.9	345.7	346.6	347.5	349.4	349.4	350.3	350.3
35°	331.0	333.8	336.5	338.4	339.3	340.2	342.0	343.0	343.0	343.0
37.5°	322.7	325.5	328.2	331.0	331.9	332.8	334.7	334.7	335.6	335.6
40°	312.6	315.4	318.1	320.9	320.9	322.7	323.6	324.6	325.5	325.5
42.5°	302.5	305.3	307.1	309.9	310.8	311.7	312.6	314.4	314.4	315.4
45°	290.5	293.3	295.1	297.9	298.8	299.7	301.6	302.5	303.4	303.4
47.5°	277.7	279.5	281.3	284.1	285.9	286.9	287.8	288.7	289.6	288.7
50°	263.0	264.8	267.6	270.3	271.2	272.2	274.0	274.0	274.9	274.9
52.5°	247.3	250.1	251.9	254.7	255.6	256.5	258.4	258.4	259.3	259.3
55°	229.9	231.7	233.5	238.1	239.1	240.0	241.8	241.8	242.7	243.7
57.5°	213.3	214.2	217.0	218.8	220.7	220.7	221.6	222.5	223.4	223.4
60°	195.8	196.8	198.6	201.4	201.4	202.3	204.1	204.1	205.0	205.0
62.5°	177.5	179.3	181.1	183.9	183.0	183.9	185.7	185.7	186.6	186.6
65°	159.1	160.0	161.8	163.7	164.6	164.6	165.5	166.4	167.3	167.3
67.5°	139.8	141.6	142.5	145.3	144.4	145.3	146.2	146.2	147.1	147.1
70°	121.4	122.3	124.1	125.0	125.0	126.0	126.9	126.9	126.9	127.8
72.5°	103.0	103.9	104.8	105.7	105.7	106.7	107.6	107.6	108.5	108.5
75°	83.7	85.5	86.4	88.3	87.3	88.3	90.1	90.1	90.1	90.1
77.5°	67.1	68.0	69.9	70.8	70.8	70.8	72.6	71.7	72.6	72.6
80°	50.6	51.5	53.3	54.2	54.2	55.2	56.1	56.1	56.1	57.0
82.5°	35.9	37.7	39.5	40.5	40.5	41.4	42.3	42.3	43.2	43.2
85°	24.8	26.7	28.5	28.5	29.4	30.3	31.3	31.3	31.3	31.3
87.5°	16.5	17.5	18.4	19.3	20.2	20.2	21.1	21.1	22.1	22.1
90°	9.2	10.1	11.0	12.0	12.0	12.9	12.9	13.8	13.8	13.8
92.5°	12.9	12.9	13.8	14.7	14.7	14.7	14.7	15.6	15.6	15.6
95°	27.6	28.5	28.5	30.3	30.3	30.3	31.3	31.3	31.3	31.3
97.5°	53.3	53.3	53.3	55.2	55.2	55.2	56.1	56.1	56.1	57.0
100°	83.7	84.6	84.6	87.3	86.4	88.3	88.3	88.3	88.3	89.2
102.5°	117.7	119.5	120.4	123.2	123.2	123.2	125.0	124.1	125.0	125.0
105°	154.5	156.3	157.2	160.0	161.8	161.8	163.7	162.7	163.7	164.6
107.5°	191.2	194.0	195.8	198.6	200.4	201.4	201.4	202.3	203.2	204.1
110°	228.9	231.7	236.3	239.1	240.0	241.8	242.7	243.7	244.6	246.4



TEST NUMBER: P395560

CATALOG NUMBER: I3-FL-40L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	268.5	271.2	274.9	278.6	277.7	280.4	282.3	283.2	284.1	283.2
115°	304.3	308.0	311.7	315.4	315.4	317.2	320.9	321.8	321.8	323.6
117.5°	338.4	343.0	346.6	350.3	351.2	353.1	355.8	358.6	358.6	360.4
120°	371.5	377.0	380.6	384.3	386.2	387.1	389.8	393.5	393.5	393.5
122.5°	402.7	407.3	411.9	415.6	417.4	419.3	421.1	425.7	425.7	427.5
125°	432.1	437.7	442.3	445.9	447.8	449.6	453.3	456.0	457.0	457.0
127.5°	459.7	465.2	469.8	474.4	475.4	477.2	480.9	484.5	485.5	486.4
130°	485.5	491.0	495.6	500.2	502.0	502.9	507.5	510.3	512.1	513.0
132.5°	508.4	514.0	518.6	523.2	525.0	526.8	529.6	534.2	535.1	535.1
135°	529.6	535.1	539.7	545.2	546.1	548.0	551.7	554.4	556.3	557.2
137.5°	548.9	554.4	559.9	564.5	566.4	567.3	571.0	574.6	576.5	577.4
140°	566.4	571.9	577.4	581.1	582.0	584.8	587.5	591.2	593.0	594.0
142.5°	582.9	587.5	592.1	596.7	597.6	599.5	602.2	605.9	607.7	608.7
145°	597.6	602.2	605.9	609.6	610.5	612.3	615.1	617.9	619.7	620.6
147.5°	611.4	615.1	618.8	621.5	622.5	624.3	626.1	628.0	629.8	630.7
150°	623.4	625.2	628.9	630.7	631.7	633.5	635.3	637.2	639.0	639.9
152.5°	632.6	635.3	637.2	639.9	640.8	641.8	643.6	645.4	647.3	647.3
155°	639.9	642.7	644.5	647.3	648.2	649.1	651.0	651.9	653.7	653.7
157.5°	645.4	648.2	650.0	651.9	652.8	653.7	654.6	656.5	658.3	658.3
160°	651.9	652.8	653.7	655.6	655.6	656.5	657.4	658.3	660.2	660.2
162.5°	657.4	658.3	656.5	657.4	656.5	657.4	658.3	659.2	660.2	660.2
165°	659.2	661.1	660.2	661.1	661.1	661.1	661.1	662.0	662.0	662.0
167.5°	659.2	661.1	660.2	660.2	661.1	661.1	662.0	662.9	662.9	662.9
170°	659.2	660.2	659.2	658.3	659.2	659.2	659.2	660.2	660.2	660.2
172.5°	658.3	659.2	657.4	656.5	656.5	656.5	655.6	655.6	654.6	654.6
175°	657.4	657.4	655.6	654.6	654.6	654.6	652.8	651.9	651.0	650.0
177.5°	656.5	656.5	653.7	652.8	652.8	651.9	651.9	650.0	650.0	649.1
180°	654.6	654.6	654.6	654.6	654.6	654.6	654.6	654.6	654.6	654.6

(END OF REPORT)