

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: P395548

Luminaire Tested: **I3-FL-40L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395548
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-40L82765-1D-UNV-W2A-W-4 (5700K)
Description: CORELITE I3, FROSTED TOP COVER
4000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 5700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3805.9 lumens
Efficiency: N/A
Efficacy: 132.6 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

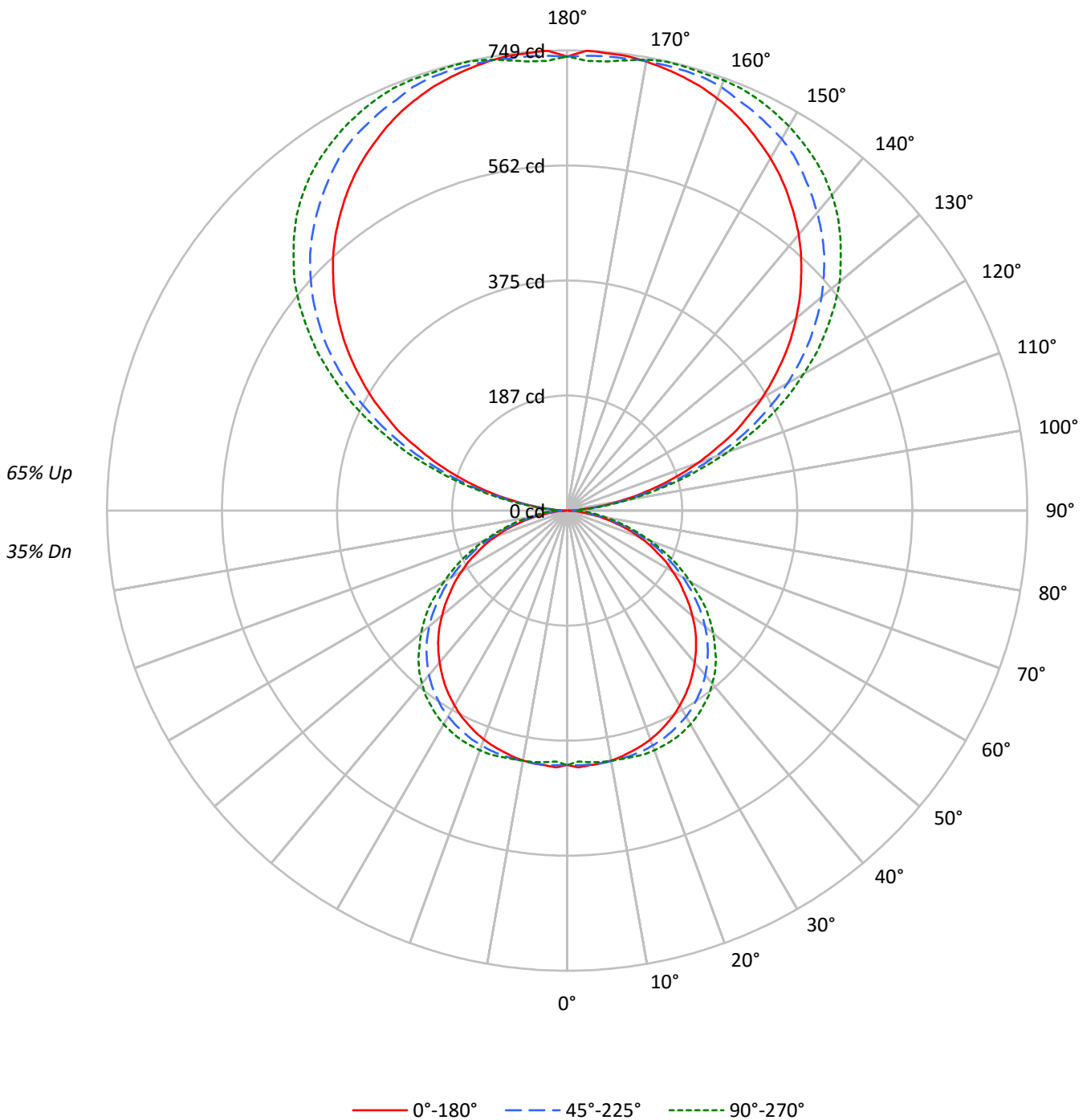
Input Watts (W): 28.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2276	2276	2276
5°	2288	2238	2203
10°	2288	2208	2178
15°	2283	2189	2168
20°	2284	2170	2165
25°	2278	2150	2157
30°	2270	2130	2138
35°	2258	2096	2106
40°	2236	2052	2060
45°	2213	1988	1997
50°	2162	1901	1899
55°	2100	1780	1785
60°	2029	1640	1613
65°	1930	1470	1433
70°	1791	1253	1210
75°	1560	996	962
80°	1216	707	704
85°	662	405	463



TEST NUMBER: P395548

CATALOG NUMBER: I3-FL-40L82765-1D-UNV-W2A-W-4 (5700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.5	1.0
10°-20°	116.1	3.1
20°-30°	183.1	4.8
30°-40°	230.2	6.0
40°-50°	247.5	6.5
50°-60°	227.6	6.0
60°-70°	174.4	4.6
70°-80°	99.3	2.6
80°-90°	31.0	0.8
90°-100°	41.5	1.1
100°-110°	180.4	4.7
110°-120°	330.2	8.7
120°-130°	425.6	11.2
130°-140°	452.9	11.9
140°-150°	416.7	10.9
150°-160°	330.1	8.7
160°-170°	209.0	5.5
170°-180°	70.8	1.9
0°-30°	338.7	8.9
0°-40°	568.9	14.9
0°-60°	1044.0	27.4
0°-90°	1348.7	35.4
90°-120°	552.0	14.5
90°-150°	1847.2	48.5
90°-180°	2457.0	64.6
0°-180°	3805.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	414	414	414	414	414	
5°	416	412	415	413	411	40
15°	406	404	412	415	415	115
25°	383	384	398	408	411	177
35°	347	351	370	383	387	217
45°	297	304	324	337	342	229
55°	232	242	256	270	275	208
65°	162	167	178	186	189	161
75°	85	87	93	99	102	90
85°	16	20	26	33	35	20
90°	1	3	9	14	16	2
95°	28	27	30	34	35	35
105°	153	160	172	183	186	162
115°	300	313	338	356	365	294
125°	429	447	482	505	516	383
135°	539	556	592	616	629	416
145°	627	640	669	689	701	392
155°	691	700	717	732	738	319
165°	731	731	741	746	747	206
175°	747	742	742	739	734	71
180°	739	739	739	739	739	



TEST NUMBER: P395548

CATALOG NUMBER: I3-FL-40L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	414.1	414.1	414.1	414.1	414.1	414.1	414.1	414.1	414.1	414.1	414.1
2.5°	418.3	417.2	416.2	414.1	414.1	413.1	413.1	413.1	413.1	414.1	415.1
5°	416.2	416.2	415.1	413.1	413.1	412.0	412.0	413.1	412.0	413.1	415.1
7.5°	415.1	415.1	414.1	412.0	412.0	412.0	412.0	412.0	412.0	413.1	415.1
10°	413.1	413.1	411.0	410.0	410.0	410.0	410.0	411.0	411.0	412.0	414.1
12.5°	410.0	408.9	407.9	406.8	406.8	406.8	407.9	408.9	408.9	411.0	413.1
15°	405.8	405.8	404.8	403.7	403.7	403.7	404.8	405.8	406.8	408.9	412.0
17.5°	401.6	401.6	400.6	400.6	400.6	400.6	401.6	402.7	404.8	406.8	410.0
20°	396.5	396.5	395.4	395.4	395.4	396.5	396.5	398.5	400.6	403.7	406.8
22.5°	390.2	390.2	390.2	389.2	390.2	391.3	392.3	394.4	396.5	399.6	403.7
25°	383.0	383.0	383.0	383.0	384.0	384.0	386.1	388.2	390.2	394.4	398.5
27.5°	375.7	375.7	375.7	374.7	376.7	377.8	378.8	381.9	384.0	389.2	393.3
30°	366.4	366.4	366.4	367.4	368.4	369.5	371.6	374.7	376.7	381.9	387.1
32.5°	357.0	357.0	357.0	357.0	360.1	361.2	362.2	365.3	369.5	374.7	379.9
35°	346.6	346.6	346.6	347.7	349.8	350.8	352.9	356.0	360.1	365.3	370.5
37.5°	335.2	336.3	336.3	337.3	339.4	341.5	343.5	346.6	350.8	356.0	361.2
40°	322.8	323.8	323.8	324.8	326.9	329.0	331.1	335.2	339.4	344.6	349.8
42.5°	310.3	311.4	311.4	313.4	315.5	317.6	319.7	323.8	328.0	333.2	337.3
45°	296.8	297.9	297.9	299.9	303.1	304.1	307.2	311.4	315.5	319.7	323.8
47.5°	282.3	283.3	283.3	285.4	288.5	290.6	292.7	296.8	299.9	305.1	309.3
50°	265.7	266.7	267.8	269.8	274.0	276.1	278.1	281.3	285.4	288.5	292.7
52.5°	250.1	250.1	251.2	253.2	256.3	258.4	259.5	262.6	267.8	271.9	276.1
55°	232.5	233.5	234.6	236.6	239.7	241.8	242.9	246.0	249.1	252.2	256.3
57.5°	216.9	216.9	217.9	220.0	223.1	224.2	225.2	227.3	231.4	234.6	237.7
60°	198.2	199.3	200.3	202.4	204.5	206.5	206.5	209.6	212.8	215.9	217.9
62.5°	181.6	181.6	182.7	184.7	185.8	187.9	187.9	191.0	193.0	196.2	198.2
65°	161.9	162.9	164.0	165.0	167.1	167.1	168.1	170.2	172.3	174.4	177.5
67.5°	144.3	144.3	145.3	146.3	147.4	147.4	148.4	150.5	152.6	154.6	156.7
70°	124.5	125.6	125.6	125.6	126.6	127.7	128.7	129.7	131.8	132.8	134.9
72.5°	104.8	104.8	105.9	105.9	106.9	107.9	109.0	110.0	111.1	113.1	114.2
75°	85.1	85.1	86.1	86.1	87.2	87.2	87.2	89.3	90.3	92.4	93.4
77.5°	65.4	66.4	66.4	66.4	67.5	68.5	68.5	69.5	71.6	72.6	73.7
80°	47.7	47.7	47.7	47.7	48.8	49.8	50.9	50.9	52.9	55.0	56.0
82.5°	30.1	30.1	31.1	32.2	32.2	33.2	34.2	35.3	37.4	38.4	39.4
85°	15.6	15.6	16.6	17.6	18.7	19.7	19.7	20.8	22.8	24.9	25.9
87.5°	5.2	6.2	6.2	7.3	8.3	9.3	10.4	11.4	13.5	15.6	16.6
90°	1.0	1.0	1.0	2.1	3.1	3.1	4.2	5.2	6.2	7.3	9.3
92.5°	9.3	9.3	8.3	9.3	9.3	9.3	9.3	10.4	11.4	11.4	13.5
95°	28.0	27.0	27.0	27.0	27.0	27.0	27.0	28.0	29.1	29.1	30.1
97.5°	54.0	54.0	52.9	52.9	54.0	54.0	54.0	55.0	57.1	56.0	58.1
100°	84.1	84.1	83.0	84.1	85.1	86.1	88.2	88.2	90.3	90.3	93.4
102.5°	118.3	118.3	117.3	119.4	120.4	122.5	122.5	124.5	127.7	127.7	131.8
105°	152.6	153.6	153.6	155.7	157.8	159.8	159.8	162.9	167.1	167.1	172.3
107.5°	189.9	191.0	191.0	193.0	195.1	197.2	198.2	202.4	206.5	207.6	213.8
110°	226.3	227.3	228.3	230.4	232.5	235.6	237.7	241.8	247.0	249.1	254.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	260.5	264.7	265.7	268.8	271.9	275.0	277.1	282.3	288.5	291.6	297.9
115°	299.9	302.0	303.1	306.2	310.3	313.4	315.5	320.7	326.9	331.1	338.3
117.5°	332.1	337.3	338.3	341.5	345.6	348.7	350.8	357.0	364.3	369.5	376.7
120°	366.4	370.5	374.7	376.7	379.9	384.0	386.1	392.3	400.6	405.8	414.1
122.5°	397.5	401.6	405.8	408.9	413.1	415.1	418.3	425.5	433.8	440.0	448.4
125°	428.6	433.8	436.9	440.0	445.2	447.3	450.4	457.7	466.0	473.3	481.6
127.5°	458.7	461.8	467.0	469.1	474.3	476.4	479.5	487.8	496.1	503.4	511.7
130°	486.8	490.9	495.1	496.1	502.3	505.4	508.5	515.8	525.2	532.4	540.7
132.5°	513.7	515.8	521.0	524.1	529.3	532.4	535.5	541.8	551.1	558.4	566.7
135°	538.6	540.7	546.9	550.1	553.2	556.3	560.4	566.7	576.0	583.3	591.6
137.5°	563.6	565.6	571.9	575.0	577.0	580.2	583.3	589.5	598.8	606.1	613.4
140°	586.4	588.5	592.6	596.8	598.8	600.9	604.0	610.3	618.6	625.8	633.1
142.5°	607.1	609.2	613.4	617.5	620.6	620.6	623.7	628.9	638.3	645.5	651.8
145°	626.9	627.9	632.1	636.2	640.4	640.4	641.4	646.6	654.9	663.2	669.4
147.5°	645.5	646.6	649.7	653.8	657.0	658.0	660.1	662.1	670.5	678.8	686.0
150°	662.1	663.2	665.3	669.4	671.5	673.6	675.6	676.7	682.9	690.2	698.5
152.5°	676.7	677.7	679.8	682.9	685.0	687.1	689.1	692.2	695.4	702.6	707.8
155°	691.2	692.2	693.3	696.4	698.5	699.5	700.6	704.7	707.8	712.0	717.2
157.5°	703.7	703.7	704.7	706.8	708.9	708.9	709.9	714.0	717.2	721.3	724.4
160°	714.0	714.0	715.1	717.2	717.2	718.2	719.2	722.3	724.4	729.6	733.8
162.5°	723.4	722.3	723.4	724.4	724.4	724.4	725.5	727.5	730.6	734.8	739.0
165°	730.6	730.6	730.6	731.7	731.7	730.6	730.6	732.7	734.8	737.9	741.0
167.5°	736.9	736.9	735.8	736.9	735.8	735.8	734.8	735.8	736.9	740.0	742.1
170°	742.1	741.0	741.0	741.0	740.0	739.0	739.0	739.0	739.0	741.0	743.1
172.5°	746.2	745.2	744.1	744.1	742.1	741.0	741.0	740.0	740.0	741.0	742.1
175°	747.3	746.2	745.2	745.2	743.1	742.1	741.0	741.0	740.0	741.0	742.1
177.5°	749.3	748.3	746.2	746.2	744.1	742.1	742.1	741.0	740.0	741.0	741.0
180°	739.0	739.0	739.0	739.0	739.0	739.0	739.0	739.0	739.0	739.0	739.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	414.1	414.1	414.1	414.1	414.1	414.1	414.1	414.1	414.1	414.1
2.5°	416.2	416.2	415.1	414.1	414.1	413.1	412.0	411.0	410.0	408.9
5°	416.2	415.1	414.1	414.1	413.1	413.1	413.1	412.0	411.0	411.0
7.5°	416.2	416.2	415.1	414.1	414.1	414.1	414.1	414.1	413.1	413.1
10°	416.2	415.1	415.1	415.1	414.1	415.1	415.1	414.1	414.1	413.1
12.5°	415.1	415.1	415.1	415.1	415.1	415.1	415.1	415.1	415.1	414.1
15°	413.1	414.1	414.1	415.1	415.1	415.1	416.2	416.2	415.1	415.1
17.5°	412.0	413.1	414.1	415.1	415.1	415.1	416.2	416.2	416.2	416.2
20°	410.0	411.0	412.0	413.1	413.1	414.1	414.1	415.1	415.1	415.1
22.5°	405.8	406.8	408.9	410.0	411.0	412.0	413.1	413.1	413.1	413.1
25°	401.6	403.7	404.8	406.8	407.9	408.9	410.0	410.0	410.0	411.0
27.5°	396.5	398.5	401.6	402.7	403.7	404.8	405.8	406.8	406.8	406.8
30°	390.2	393.3	395.4	397.5	398.5	399.6	400.6	400.6	401.6	401.6
32.5°	383.0	386.1	388.2	390.2	391.3	392.3	394.4	394.4	395.4	395.4
35°	373.6	376.7	379.9	381.9	383.0	384.0	386.1	387.1	387.1	387.1
37.5°	364.3	367.4	370.5	373.6	374.7	375.7	377.8	377.8	378.8	378.8
40°	352.9	356.0	359.1	362.2	362.2	364.3	365.3	366.4	367.4	367.4
42.5°	341.5	344.6	346.6	349.8	350.8	351.8	352.9	354.9	354.9	356.0
45°	328.0	331.1	333.2	336.3	337.3	338.3	340.4	341.5	342.5	342.5
47.5°	313.4	315.5	317.6	320.7	322.8	323.8	324.8	325.9	326.9	325.9
50°	296.8	298.9	302.0	305.1	306.2	307.2	309.3	309.3	310.3	310.3
52.5°	279.2	282.3	284.4	287.5	288.5	289.6	291.6	291.6	292.7	292.7
55°	259.5	261.5	263.6	268.8	269.8	270.9	273.0	273.0	274.0	275.0
57.5°	240.8	241.8	244.9	247.0	249.1	249.1	250.1	251.2	252.2	252.2
60°	221.1	222.1	224.2	227.3	227.3	228.3	230.4	230.4	231.4	231.4
62.5°	200.3	202.4	204.5	207.6	206.5	207.6	209.6	209.6	210.7	210.7
65°	179.5	180.6	182.7	184.7	185.8	185.8	186.8	187.9	188.9	188.9
67.5°	157.8	159.8	160.9	164.0	162.9	164.0	165.0	165.0	166.1	166.1
70°	137.0	138.0	140.1	141.1	141.1	142.2	143.2	143.2	143.2	144.3
72.5°	116.2	117.3	118.3	119.4	119.4	120.4	121.4	121.4	122.5	122.5
75°	94.4	96.5	97.6	99.6	98.6	99.6	101.7	101.7	101.7	101.7
77.5°	75.8	76.8	78.9	79.9	79.9	79.9	82.0	81.0	82.0	82.0
80°	57.1	58.1	60.2	61.2	61.2	62.3	63.3	63.3	63.3	64.3
82.5°	40.5	42.6	44.6	45.7	45.7	46.7	47.7	47.7	48.8	48.8
85°	28.0	30.1	32.2	32.2	33.2	34.2	35.3	35.3	35.3	35.3
87.5°	18.7	19.7	20.8	21.8	22.8	22.8	23.9	23.9	24.9	24.9
90°	10.4	11.4	12.5	13.5	13.5	14.5	14.5	15.6	15.6	15.6
92.5°	14.5	14.5	15.6	16.6	16.6	16.6	16.6	17.6	17.6	17.6
95°	31.1	32.2	32.2	34.2	34.2	34.2	35.3	35.3	35.3	35.3
97.5°	60.2	60.2	60.2	62.3	62.3	62.3	63.3	63.3	63.3	64.3
100°	94.4	95.5	95.5	98.6	97.6	99.6	99.6	99.6	99.6	100.7
102.5°	132.8	134.9	136.0	139.1	139.1	139.1	141.1	140.1	141.1	141.1
105°	174.4	176.4	177.5	180.6	182.7	182.7	184.7	183.7	184.7	185.8
107.5°	215.9	219.0	221.1	224.2	226.3	227.3	227.3	228.3	229.4	230.4
110°	258.4	261.5	266.7	269.8	270.9	273.0	274.0	275.0	276.1	278.1



TEST NUMBER: P395548

CATALOG NUMBER: I3-FL-40L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	303.1	306.2	310.3	314.5	313.4	316.5	318.6	319.7	320.7	319.7
115°	343.5	347.7	351.8	356.0	356.0	358.1	362.2	363.2	363.2	365.3
117.5°	381.9	387.1	391.3	395.4	396.5	398.5	401.6	404.8	404.8	406.8
120°	419.3	425.5	429.7	433.8	435.9	436.9	440.0	444.2	444.2	444.2
122.5°	454.6	459.8	465.0	469.1	471.2	473.3	475.3	480.5	480.5	482.6
125°	487.8	494.0	499.2	503.4	505.4	507.5	511.7	514.8	515.8	515.8
127.5°	518.9	525.2	530.3	535.5	536.6	538.6	542.8	546.9	548.0	549.0
130°	548.0	554.2	559.4	564.6	566.7	567.7	572.9	576.0	578.1	579.1
132.5°	573.9	580.2	585.3	590.5	592.6	594.7	597.8	603.0	604.0	604.0
135°	597.8	604.0	609.2	615.4	616.5	618.6	622.7	625.8	627.9	628.9
137.5°	619.6	625.8	632.1	637.2	639.3	640.4	644.5	648.7	650.7	651.8
140°	639.3	645.5	651.8	655.9	657.0	660.1	663.2	667.3	669.4	670.5
142.5°	658.0	663.2	668.4	673.6	674.6	676.7	679.8	683.9	686.0	687.1
145°	674.6	679.8	683.9	688.1	689.1	691.2	694.3	697.4	699.5	700.6
147.5°	690.2	694.3	698.5	701.6	702.6	704.7	706.8	708.9	710.9	712.0
150°	703.7	705.7	709.9	712.0	713.0	715.1	717.2	719.2	721.3	722.3
152.5°	714.0	717.2	719.2	722.3	723.4	724.4	726.5	728.6	730.6	730.6
155°	722.3	725.5	727.5	730.6	731.7	732.7	734.8	735.8	737.9	737.9
157.5°	728.6	731.7	733.8	735.8	736.9	737.9	739.0	741.0	743.1	743.1
160°	735.8	736.9	737.9	740.0	740.0	741.0	742.1	743.1	745.2	745.2
162.5°	742.1	743.1	741.0	742.1	741.0	742.1	743.1	744.1	745.2	745.2
165°	744.1	746.2	745.2	746.2	746.2	746.2	746.2	747.3	747.3	747.3
167.5°	744.1	746.2	745.2	745.2	746.2	746.2	747.3	748.3	748.3	748.3
170°	744.1	745.2	744.1	743.1	744.1	744.1	744.1	745.2	745.2	745.2
172.5°	743.1	744.1	742.1	741.0	741.0	741.0	740.0	740.0	739.0	739.0
175°	742.1	742.1	740.0	739.0	739.0	739.0	736.9	735.8	734.8	733.8
177.5°	741.0	741.0	737.9	736.9	736.9	735.8	735.8	733.8	733.8	732.7
180°	739.0	739.0	739.0	739.0	739.0	739.0	739.0	739.0	739.0	739.0

(END OF REPORT)