

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: P395555

Luminaire Tested: **I3-FL-40L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395555
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 (2700K)
Description: CORELITE I3, FROSTED TOP COVER
4000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2860.8 lumens
Efficiency: N/A
Efficacy: 102.9 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

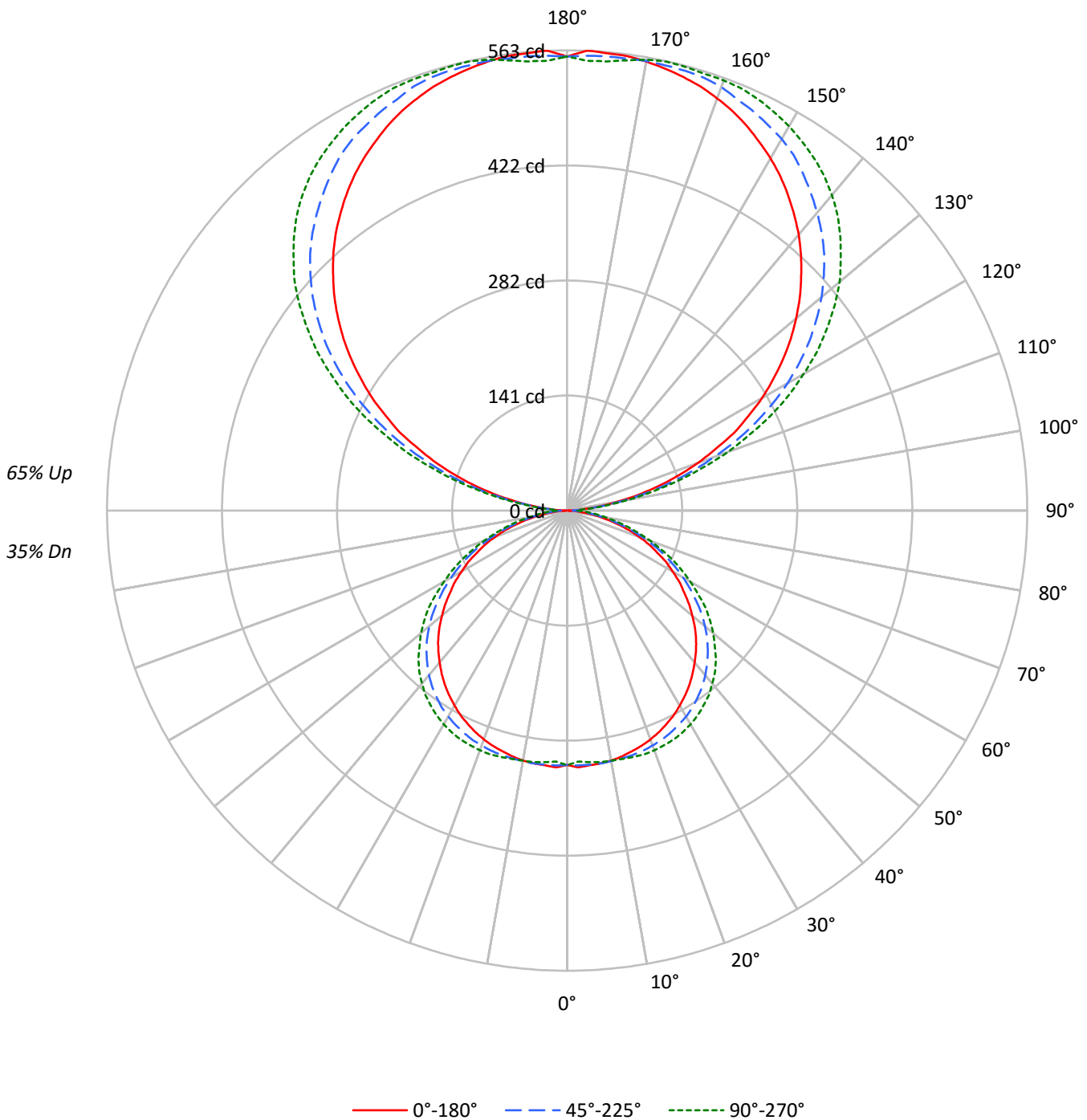
Input Watts (W): 27.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1711	1711	1711
5°	1719	1683	1656
10°	1720	1660	1637
15°	1716	1645	1630
20°	1716	1631	1628
25°	1712	1617	1621
30°	1706	1601	1607
35°	1698	1576	1583
40°	1681	1542	1549
45°	1663	1495	1501
50°	1625	1429	1428
55°	1578	1339	1342
60°	1526	1233	1213
65°	1450	1105	1077
70°	1347	942	909
75°	1173	748	724
80°	915	531	530
85°	496	305	347



TEST NUMBER: P395555

CATALOG NUMBER: I3-FL-40L92765-1D-UNV-W2A-W-4 (2700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.7	1.0
10°-20°	87.3	3.1
20°-30°	137.7	4.8
30°-40°	173.0	6.0
40°-50°	186.0	6.5
50°-60°	171.1	6.0
60°-70°	131.1	4.6
70°-80°	74.7	2.6
80°-90°	23.3	0.8
90°-100°	31.2	1.1
100°-110°	135.6	4.7
110°-120°	248.2	8.7
120°-130°	319.9	11.2
130°-140°	340.4	11.9
140°-150°	313.2	10.9
150°-160°	248.1	8.7
160°-170°	157.1	5.5
170°-180°	53.2	1.9
0°-30°	254.6	8.9
0°-40°	427.6	14.9
0°-60°	784.8	27.4
0°-90°	1013.8	35.4
90°-120°	415.0	14.5
90°-150°	1388.5	48.5
90°-180°	1847.0	64.6
0°-180°	2860.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	311	311	311	311	311	
5°	313	310	312	310	309	30
15°	305	304	310	312	312	86
25°	288	289	300	307	309	133
35°	261	264	278	288	291	163
45°	223	229	243	254	257	172
55°	175	182	193	203	207	157
65°	122	126	133	140	142	121
75°	64	66	70	74	76	68
85°	12	15	20	25	26	15
90°	1	2	7	10	12	2
95°	21	20	23	26	26	26
105°	115	120	130	137	140	122
115°	226	236	254	268	275	221
125°	322	336	362	380	388	288
135°	405	418	445	463	473	312
145°	471	481	503	518	527	295
155°	520	526	539	550	555	239
165°	549	549	557	561	562	155
175°	562	558	558	556	552	54
180°	556	556	556	556	556	



TEST NUMBER: P395555

CATALOG NUMBER: I3-FL-40L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	311.3	311.3	311.3	311.3	311.3	311.3	311.3	311.3	311.3	311.3	311.3
2.5°	314.4	313.6	312.8	311.3	311.3	310.5	310.5	310.5	310.5	311.3	312.1
5°	312.8	312.8	312.1	310.5	310.5	309.7	309.7	310.5	309.7	310.5	312.1
7.5°	312.1	312.1	311.3	309.7	309.7	309.7	309.7	309.7	309.7	310.5	312.1
10°	310.5	310.5	308.9	308.2	308.2	308.2	308.2	308.9	308.9	309.7	311.3
12.5°	308.2	307.4	306.6	305.8	305.8	305.8	306.6	307.4	307.4	308.9	310.5
15°	305.0	305.0	304.3	303.5	303.5	303.5	304.3	305.0	305.8	307.4	309.7
17.5°	301.9	301.9	301.1	301.1	301.1	301.1	301.9	302.7	304.3	305.8	308.2
20°	298.0	298.0	297.2	297.2	297.2	298.0	298.0	299.6	301.1	303.5	305.8
22.5°	293.3	293.3	293.3	292.5	293.3	294.1	294.9	296.4	298.0	300.4	303.5
25°	287.9	287.9	287.9	287.9	288.6	288.6	290.2	291.8	293.3	296.4	299.6
27.5°	282.4	282.4	282.4	281.6	283.2	284.0	284.7	287.1	288.6	292.5	295.7
30°	275.4	275.4	275.4	276.2	276.9	277.7	279.3	281.6	283.2	287.1	291.0
32.5°	268.4	268.4	268.4	268.4	270.7	271.5	272.3	274.6	277.7	281.6	285.5
35°	260.6	260.6	260.6	261.3	262.9	263.7	265.2	267.6	270.7	274.6	278.5
37.5°	252.0	252.8	252.8	253.5	255.1	256.7	258.2	260.6	263.7	267.6	271.5
40°	242.6	243.4	243.4	244.2	245.7	247.3	248.9	252.0	255.1	259.0	262.9
42.5°	233.3	234.0	234.0	235.6	237.2	238.7	240.3	243.4	246.5	250.4	253.5
45°	223.1	223.9	223.9	225.5	227.8	228.6	230.9	234.0	237.2	240.3	243.4
47.5°	212.2	213.0	213.0	214.5	216.9	218.4	220.0	223.1	225.5	229.4	232.5
50°	199.7	200.5	201.3	202.8	206.0	207.5	209.1	211.4	214.5	216.9	220.0
52.5°	188.0	188.0	188.8	190.4	192.7	194.3	195.0	197.4	201.3	204.4	207.5
55°	174.7	175.5	176.3	177.9	180.2	181.8	182.6	184.9	187.2	189.6	192.7
57.5°	163.0	163.0	163.8	165.4	167.7	168.5	169.3	170.8	174.0	176.3	178.6
60°	149.0	149.8	150.6	152.1	153.7	155.2	155.2	157.6	159.9	162.3	163.8
62.5°	136.5	136.5	137.3	138.9	139.6	141.2	141.2	143.5	145.1	147.4	149.0
65°	121.7	122.5	123.3	124.0	125.6	125.6	126.4	127.9	129.5	131.1	133.4
67.5°	108.4	108.4	109.2	110.0	110.8	110.8	111.6	113.1	114.7	116.2	117.8
70°	93.6	94.4	94.4	94.4	95.2	96.0	96.7	97.5	99.1	99.9	101.4
72.5°	78.8	78.8	79.6	79.6	80.4	81.1	81.9	82.7	83.5	85.0	85.8
75°	64.0	64.0	64.8	64.8	65.5	65.5	65.5	67.1	67.9	69.4	70.2
77.5°	49.1	49.9	49.9	49.9	50.7	51.5	51.5	52.3	53.8	54.6	55.4
80°	35.9	35.9	35.9	35.9	36.7	37.4	38.2	38.2	39.8	41.3	42.1
82.5°	22.6	22.6	23.4	24.2	24.2	25.0	25.7	26.5	28.1	28.9	29.6
85°	11.7	11.7	12.5	13.3	14.0	14.8	14.8	15.6	17.2	18.7	19.5
87.5°	3.9	4.7	4.7	5.5	6.2	7.0	7.8	8.6	10.1	11.7	12.5
90°	0.8	0.8	0.8	1.6	2.3	2.3	3.1	3.9	4.7	5.5	7.0
92.5°	7.0	7.0	6.2	7.0	7.0	7.0	7.0	7.8	8.6	8.6	10.1
95°	21.1	20.3	20.3	20.3	20.3	20.3	20.3	21.1	21.8	21.8	22.6
97.5°	40.6	40.6	39.8	39.8	40.6	40.6	40.6	41.3	42.9	42.1	43.7
100°	63.2	63.2	62.4	63.2	64.0	64.8	66.3	66.3	67.9	67.9	70.2
102.5°	88.9	88.9	88.2	89.7	90.5	92.1	92.1	93.6	96.0	96.0	99.1
105°	114.7	115.5	115.5	117.0	118.6	120.1	120.1	122.5	125.6	125.6	129.5
107.5°	142.8	143.5	143.5	145.1	146.7	148.2	149.0	152.1	155.2	156.0	160.7
110°	170.1	170.8	171.6	173.2	174.7	177.1	178.6	181.8	185.7	187.2	191.1



TEST NUMBER: P395555

CATALOG NUMBER: I3-FL-40L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	195.8	198.9	199.7	202.1	204.4	206.7	208.3	212.2	216.9	219.2	223.9
115°	225.5	227.0	227.8	230.1	233.3	235.6	237.2	241.1	245.7	248.9	254.3
117.5°	249.6	253.5	254.3	256.7	259.8	262.1	263.7	268.4	273.8	277.7	283.2
120°	275.4	278.5	281.6	283.2	285.5	288.6	290.2	294.9	301.1	305.0	311.3
122.5°	298.8	301.9	305.0	307.4	310.5	312.1	314.4	319.9	326.1	330.8	337.0
125°	322.2	326.1	328.4	330.8	334.7	336.2	338.6	344.0	350.3	355.7	362.0
127.5°	344.8	347.2	351.1	352.6	356.5	358.1	360.4	366.7	372.9	378.4	384.6
130°	365.9	369.0	372.1	372.9	377.6	379.9	382.3	387.7	394.7	400.2	406.4
132.5°	386.2	387.7	391.6	394.0	397.9	400.2	402.5	407.2	414.2	419.7	426.0
135°	404.9	406.4	411.1	413.5	415.8	418.1	421.3	426.0	433.0	438.4	444.7
137.5°	423.6	425.2	429.9	432.2	433.8	436.1	438.4	443.1	450.1	455.6	461.1
140°	440.8	442.3	445.5	448.6	450.1	451.7	454.0	458.7	465.0	470.4	475.9
142.5°	456.4	457.9	461.1	464.2	466.5	466.5	468.9	472.8	479.8	485.2	489.9
145°	471.2	472.0	475.1	478.2	481.3	481.3	482.1	486.0	492.3	498.5	503.2
147.5°	485.2	486.0	488.4	491.5	493.8	494.6	496.2	497.7	504.0	510.2	515.7
150°	497.7	498.5	500.1	503.2	504.7	506.3	507.9	508.6	513.3	518.8	525.0
152.5°	508.6	509.4	511.0	513.3	514.9	516.4	518.0	520.3	522.7	528.1	532.0
155°	519.6	520.3	521.1	523.5	525.0	525.8	526.6	529.7	532.0	535.2	539.1
157.5°	528.9	528.9	529.7	531.3	532.8	532.8	533.6	536.7	539.1	542.2	544.5
160°	536.7	536.7	537.5	539.1	539.1	539.9	540.6	543.0	544.5	548.4	551.6
162.5°	543.8	543.0	543.8	544.5	544.5	544.5	545.3	546.9	549.2	552.3	555.5
165°	549.2	549.2	549.2	550.0	550.0	549.2	549.2	550.8	552.3	554.7	557.0
167.5°	553.9	553.9	553.1	553.9	553.1	553.1	552.3	553.1	553.9	556.2	557.8
170°	557.8	557.0	557.0	557.0	556.2	555.5	555.5	555.5	555.5	557.0	558.6
172.5°	560.9	560.1	559.4	559.4	557.8	557.0	557.0	556.2	556.2	557.0	557.8
175°	561.7	560.9	560.1	560.1	558.6	557.8	557.0	557.0	556.2	557.0	557.8
177.5°	563.3	562.5	560.9	560.9	559.4	557.8	557.8	557.0	556.2	557.0	557.0
180°	555.5	555.5	555.5	555.5	555.5	555.5	555.5	555.5	555.5	555.5	555.5



TEST NUMBER: P395555

CATALOG NUMBER: I3-FL-40L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	311.3	311.3	311.3	311.3	311.3	311.3	311.3	311.3	311.3	311.3
2.5°	312.8	312.8	312.1	311.3	311.3	310.5	309.7	308.9	308.2	307.4
5°	312.8	312.1	311.3	311.3	310.5	310.5	310.5	309.7	308.9	308.9
7.5°	312.8	312.8	312.1	311.3	311.3	311.3	311.3	311.3	310.5	310.5
10°	312.8	312.1	312.1	312.1	311.3	312.1	312.1	311.3	311.3	310.5
12.5°	312.1	312.1	312.1	312.1	312.1	312.1	312.1	312.1	312.1	311.3
15°	310.5	311.3	311.3	312.1	312.1	312.1	312.8	312.8	312.1	312.1
17.5°	309.7	310.5	311.3	312.1	312.1	312.1	312.8	312.8	312.8	312.8
20°	308.2	308.9	309.7	310.5	310.5	311.3	311.3	312.1	312.1	312.1
22.5°	305.0	305.8	307.4	308.2	308.9	309.7	310.5	310.5	310.5	310.5
25°	301.9	303.5	304.3	305.8	306.6	307.4	308.2	308.2	308.2	308.9
27.5°	298.0	299.6	301.9	302.7	303.5	304.3	305.0	305.8	305.8	305.8
30°	293.3	295.7	297.2	298.8	299.6	300.4	301.1	301.1	301.9	301.9
32.5°	287.9	290.2	291.8	293.3	294.1	294.9	296.4	296.4	297.2	297.2
35°	280.8	283.2	285.5	287.1	287.9	288.6	290.2	291.0	291.0	291.0
37.5°	273.8	276.2	278.5	280.8	281.6	282.4	284.0	284.0	284.7	284.7
40°	265.2	267.6	269.9	272.3	272.3	273.8	274.6	275.4	276.2	276.2
42.5°	256.7	259.0	260.6	262.9	263.7	264.5	265.2	266.8	266.8	267.6
45°	246.5	248.9	250.4	252.8	253.5	254.3	255.9	256.7	257.4	257.4
47.5°	235.6	237.2	238.7	241.1	242.6	243.4	244.2	245.0	245.7	245.0
50°	223.1	224.7	227.0	229.4	230.1	230.9	232.5	232.5	233.3	233.3
52.5°	209.9	212.2	213.8	216.1	216.9	217.7	219.2	219.2	220.0	220.0
55°	195.0	196.6	198.2	202.1	202.8	203.6	205.2	205.2	206.0	206.7
57.5°	181.0	181.8	184.1	185.7	187.2	187.2	188.0	188.8	189.6	189.6
60°	166.2	166.9	168.5	170.8	170.8	171.6	173.2	173.2	174.0	174.0
62.5°	150.6	152.1	153.7	156.0	155.2	156.0	157.6	157.6	158.4	158.4
65°	135.0	135.7	137.3	138.9	139.6	139.6	140.4	141.2	142.0	142.0
67.5°	118.6	120.1	120.9	123.3	122.5	123.3	124.0	124.0	124.8	124.8
70°	103.0	103.8	105.3	106.1	106.1	106.9	107.7	107.7	107.7	108.4
72.5°	87.4	88.2	88.9	89.7	89.7	90.5	91.3	91.3	92.1	92.1
75°	71.0	72.6	73.3	74.9	74.1	74.9	76.5	76.5	76.5	76.5
77.5°	56.9	57.7	59.3	60.1	60.1	60.1	61.6	60.9	61.6	61.6
80°	42.9	43.7	45.2	46.0	46.0	46.8	47.6	47.6	47.6	48.4
82.5°	30.4	32.0	33.5	34.3	34.3	35.1	35.9	35.9	36.7	36.7
85°	21.1	22.6	24.2	24.2	25.0	25.7	26.5	26.5	26.5	26.5
87.5°	14.0	14.8	15.6	16.4	17.2	17.2	17.9	17.9	18.7	18.7
90°	7.8	8.6	9.4	10.1	10.1	10.9	10.9	11.7	11.7	11.7
92.5°	10.9	10.9	11.7	12.5	12.5	12.5	12.5	13.3	13.3	13.3
95°	23.4	24.2	24.2	25.7	25.7	25.7	26.5	26.5	26.5	26.5
97.5°	45.2	45.2	45.2	46.8	46.8	46.8	47.6	47.6	47.6	48.4
100°	71.0	71.8	71.8	74.1	73.3	74.9	74.9	74.9	74.9	75.7
102.5°	99.9	101.4	102.2	104.5	104.5	104.5	106.1	105.3	106.1	106.1
105°	131.1	132.6	133.4	135.7	137.3	137.3	138.9	138.1	138.9	139.6
107.5°	162.3	164.6	166.2	168.5	170.1	170.8	170.8	171.6	172.4	173.2
110°	194.3	196.6	200.5	202.8	203.6	205.2	206.0	206.7	207.5	209.1



TEST NUMBER: P395555

CATALOG NUMBER: I3-FL-40L92765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	227.8	230.1	233.3	236.4	235.6	237.9	239.5	240.3	241.1	240.3
115°	258.2	261.3	264.5	267.6	267.6	269.1	272.3	273.0	273.0	274.6
117.5°	287.1	291.0	294.1	297.2	298.0	299.6	301.9	304.3	304.3	305.8
120°	315.2	319.9	323.0	326.1	327.7	328.4	330.8	333.9	333.9	333.9
122.5°	341.7	345.6	349.5	352.6	354.2	355.7	357.3	361.2	361.2	362.8
125°	366.7	371.3	375.2	378.4	379.9	381.5	384.6	386.9	387.7	387.7
127.5°	390.1	394.7	398.6	402.5	403.3	404.9	408.0	411.1	411.9	412.7
130°	411.9	416.6	420.5	424.4	426.0	426.7	430.6	433.0	434.5	435.3
132.5°	431.4	436.1	440.0	443.9	445.5	447.0	449.4	453.3	454.0	454.0
135°	449.4	454.0	457.9	462.6	463.4	465.0	468.1	470.4	472.0	472.8
137.5°	465.7	470.4	475.1	479.0	480.6	481.3	484.5	487.6	489.1	489.9
140°	480.6	485.2	489.9	493.0	493.8	496.2	498.5	501.6	503.2	504.0
142.5°	494.6	498.5	502.4	506.3	507.1	508.6	511.0	514.1	515.7	516.4
145°	507.1	511.0	514.1	517.2	518.0	519.6	521.9	524.2	525.8	526.6
147.5°	518.8	521.9	525.0	527.4	528.1	529.7	531.3	532.8	534.4	535.2
150°	528.9	530.5	533.6	535.2	535.9	537.5	539.1	540.6	542.2	543.0
152.5°	536.7	539.1	540.6	543.0	543.8	544.5	546.1	547.7	549.2	549.2
155°	543.0	545.3	546.9	549.2	550.0	550.8	552.3	553.1	554.7	554.7
157.5°	547.7	550.0	551.6	553.1	553.9	554.7	555.5	557.0	558.6	558.6
160°	553.1	553.9	554.7	556.2	556.2	557.0	557.8	558.6	560.1	560.1
162.5°	557.8	558.6	557.0	557.8	557.0	557.8	558.6	559.4	560.1	560.1
165°	559.4	560.9	560.1	560.9	560.9	560.9	560.9	561.7	561.7	561.7
167.5°	559.4	560.9	560.1	560.1	560.9	560.9	561.7	562.5	562.5	562.5
170°	559.4	560.1	559.4	558.6	559.4	559.4	559.4	560.1	560.1	560.1
172.5°	558.6	559.4	557.8	557.0	557.0	557.0	556.2	556.2	555.5	555.5
175°	557.8	557.8	556.2	555.5	555.5	555.5	553.9	553.1	552.3	551.6
177.5°	557.0	557.0	554.7	553.9	553.9	553.1	553.1	551.6	551.6	550.8
180°	555.5	555.5	555.5	555.5	555.5	555.5	555.5	555.5	555.5	555.5

(END OF REPORT)