

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: P395556

Luminaire Tested: **I3-FL-40L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395556
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 (3000K)
Description: CORELITE I3, FROSTED TOP COVER
4000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2973.9 lumens
Efficiency: N/A
Efficacy: 107.8 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

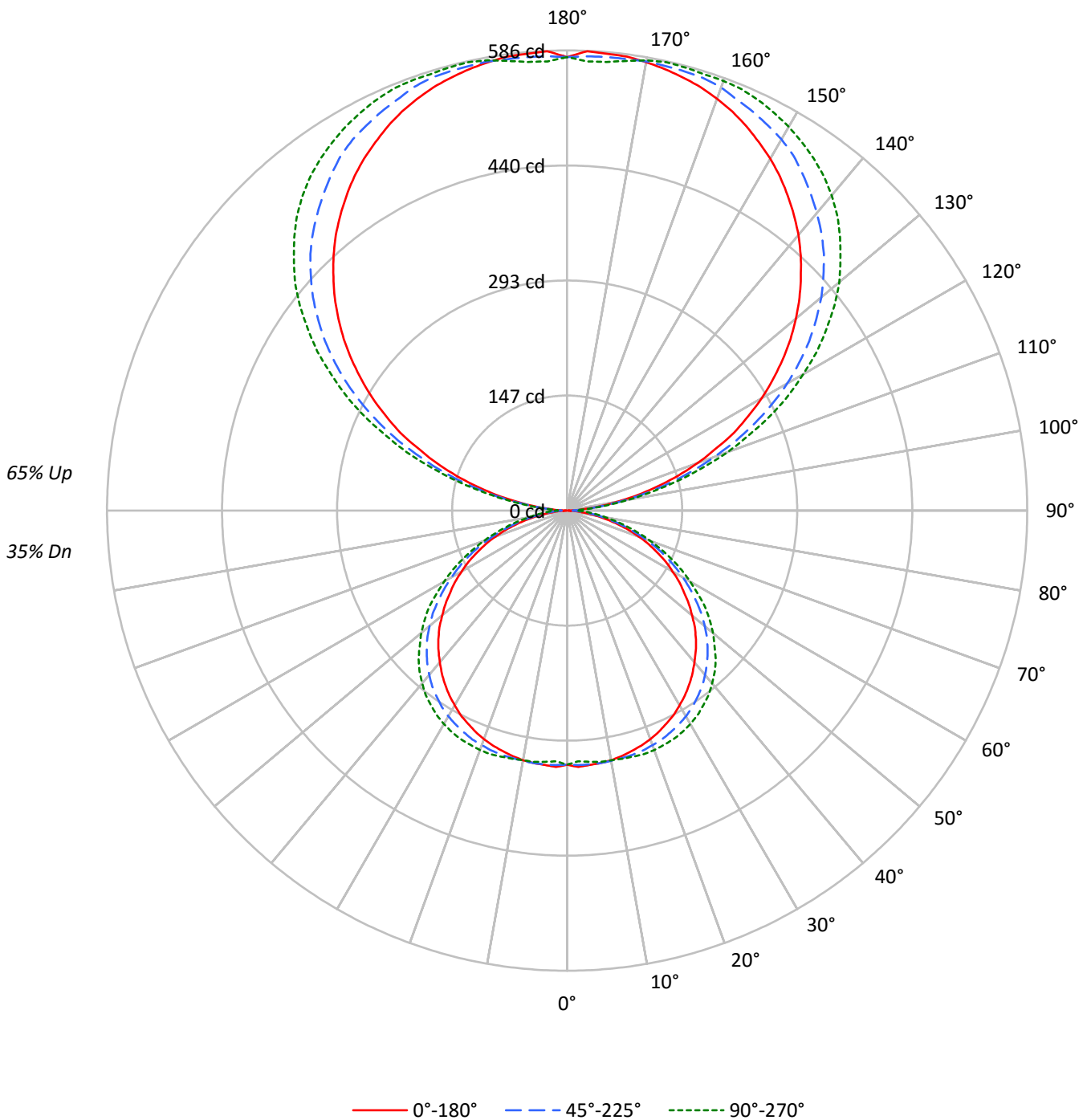
Input Watts (W): 27.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-FL-40L92765-1D-UNV-W2A-W-4 (3000K)

Luminous Intensity Polar Plot





TEST NUMBER: P395556

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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°	1779	1779	1779
5°	1788	1749	1721
10°	1788	1725	1702
15°	1784	1710	1695
20°	1784	1695	1692
25°	1780	1680	1685
30°	1774	1664	1670
35°	1765	1638	1646
40°	1747	1603	1610
45°	1729	1554	1560
50°	1690	1485	1484
55°	1641	1391	1395
60°	1586	1282	1260
65°	1508	1149	1119
70°	1400	979	945
75°	1219	778	752
80°	951	553	551
85°	518	317	362



TEST NUMBER: P395556

CATALOG NUMBER: I3-FL-40L92765-1D-UNV-W2A-W-4 (3000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.9	1.0
10°-20°	90.7	3.1
20°-30°	143.1	4.8
30°-40°	179.9	6.0
40°-50°	193.4	6.5
50°-60°	177.9	6.0
60°-70°	136.3	4.6
70°-80°	77.6	2.6
80°-90°	24.2	0.8
90°-100°	32.4	1.1
100°-110°	140.9	4.7
110°-120°	258.0	8.7
120°-130°	332.6	11.2
130°-140°	353.9	11.9
140°-150°	325.6	10.9
150°-160°	257.9	8.7
160°-170°	163.3	5.5
170°-180°	55.3	1.9
0°-30°	264.7	8.9
0°-40°	444.5	14.9
0°-60°	815.8	27.4
0°-90°	1053.9	35.4
90°-120°	431.4	14.5
90°-150°	1443.5	48.5
90°-180°	1920.0	64.6
0°-180°	2973.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	324	324	324	324	324	
5°	325	322	324	323	321	31
15°	317	316	322	324	324	90
25°	299	300	311	319	321	138
35°	271	274	290	299	302	169
45°	232	238	253	264	268	179
55°	182	189	200	211	215	163
65°	126	131	139	145	148	125
75°	66	68	73	77	80	70
85°	12	15	20	26	28	15
90°	1	2	7	10	12	2
95°	22	21	24	27	28	27
105°	119	125	135	143	145	127
115°	234	245	264	278	286	230
125°	335	350	376	395	403	299
135°	421	435	462	482	492	325
145°	490	500	523	538	547	307
155°	540	547	560	572	577	249
165°	571	571	579	583	584	161
175°	584	580	580	577	573	56
180°	577	577	577	577	577	



TEST NUMBER: P395556

CATALOG NUMBER: I3-FL-40L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6
2.5°	326.8	326.0	325.2	323.6	323.6	322.8	322.8	322.8	322.8	323.6	324.4
5°	325.2	325.2	324.4	322.8	322.8	322.0	322.0	322.8	322.0	322.8	324.4
7.5°	324.4	324.4	323.6	322.0	322.0	322.0	322.0	322.0	322.0	322.8	324.4
10°	322.8	322.8	321.1	320.3	320.3	320.3	320.3	321.1	321.1	322.0	323.6
12.5°	320.3	319.5	318.7	317.9	317.9	317.9	318.7	319.5	319.5	321.1	322.8
15°	317.1	317.1	316.3	315.5	315.5	315.5	316.3	317.1	317.9	319.5	322.0
17.5°	313.8	313.8	313.0	313.0	313.0	313.0	313.8	314.7	316.3	317.9	320.3
20°	309.8	309.8	309.0	309.0	309.0	309.8	309.8	311.4	313.0	315.5	317.9
22.5°	304.9	304.9	304.9	304.1	304.9	305.7	306.5	308.2	309.8	312.2	315.5
25°	299.3	299.3	299.3	299.3	300.1	300.1	301.7	303.3	304.9	308.2	311.4
27.5°	293.6	293.6	293.6	292.8	294.4	295.2	296.0	298.4	300.1	304.1	307.4
30°	286.3	286.3	286.3	287.1	287.9	288.7	290.3	292.8	294.4	298.4	302.5
32.5°	279.0	279.0	279.0	279.0	281.4	282.2	283.0	285.5	288.7	292.8	296.8
35°	270.9	270.9	270.9	271.7	273.3	274.1	275.7	278.2	281.4	285.5	289.5
37.5°	261.9	262.8	262.8	263.6	265.2	266.8	268.4	270.9	274.1	278.2	282.2
40°	252.2	253.0	253.0	253.8	255.5	257.1	258.7	261.9	265.2	269.2	273.3
42.5°	242.5	243.3	243.3	244.9	246.5	248.2	249.8	253.0	256.3	260.3	263.6
45°	231.9	232.8	232.8	234.4	236.8	237.6	240.0	243.3	246.5	249.8	253.0
47.5°	220.6	221.4	221.4	223.0	225.5	227.1	228.7	231.9	234.4	238.4	241.7
50°	207.6	208.4	209.2	210.9	214.1	215.7	217.3	219.8	223.0	225.5	228.7
52.5°	195.4	195.4	196.3	197.9	200.3	201.9	202.7	205.2	209.2	212.5	215.7
55°	181.7	182.5	183.3	184.9	187.3	189.0	189.8	192.2	194.6	197.1	200.3
57.5°	169.5	169.5	170.3	171.9	174.4	175.2	176.0	177.6	180.8	183.3	185.7
60°	154.9	155.7	156.5	158.1	159.8	161.4	161.4	163.8	166.3	168.7	170.3
62.5°	141.9	141.9	142.7	144.4	145.2	146.8	146.8	149.2	150.8	153.3	154.9
65°	126.5	127.3	128.1	128.9	130.6	130.6	131.4	133.0	134.6	136.2	138.7
67.5°	112.7	112.7	113.5	114.3	115.2	115.2	116.0	117.6	119.2	120.8	122.5
70°	97.3	98.1	98.1	98.1	98.9	99.8	100.6	101.4	103.0	103.8	105.4
72.5°	81.9	81.9	82.7	82.7	83.5	84.3	85.2	86.0	86.8	88.4	89.2
75°	66.5	66.5	67.3	67.3	68.1	68.1	68.1	69.7	70.6	72.2	73.0
77.5°	51.1	51.9	51.9	51.9	52.7	53.5	53.5	54.3	56.0	56.8	57.6
80°	37.3	37.3	37.3	37.3	38.1	38.9	39.7	39.7	41.4	43.0	43.8
82.5°	23.5	23.5	24.3	25.1	25.1	26.0	26.8	27.6	29.2	30.0	30.8
85°	12.2	12.2	13.0	13.8	14.6	15.4	15.4	16.2	17.8	19.5	20.3
87.5°	4.1	4.9	4.9	5.7	6.5	7.3	8.1	8.9	10.5	12.2	13.0
90°	0.8	0.8	0.8	1.6	2.4	2.4	3.2	4.1	4.9	5.7	7.3
92.5°	7.3	7.3	6.5	7.3	7.3	7.3	7.3	8.1	8.9	8.9	10.5
95°	21.9	21.1	21.1	21.1	21.1	21.1	21.1	21.9	22.7	22.7	23.5
97.5°	42.2	42.2	41.4	41.4	42.2	42.2	42.2	43.0	44.6	43.8	45.4
100°	65.7	65.7	64.9	65.7	66.5	67.3	68.9	68.9	70.6	70.6	73.0
102.5°	92.5	92.5	91.6	93.3	94.1	95.7	95.7	97.3	99.8	99.8	103.0
105°	119.2	120.0	120.0	121.6	123.3	124.9	124.9	127.3	130.6	130.6	134.6
107.5°	148.4	149.2	149.2	150.8	152.5	154.1	154.9	158.1	161.4	162.2	167.1
110°	176.8	177.6	178.4	180.0	181.7	184.1	185.7	189.0	193.0	194.6	198.7



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CATALOG NUMBER: I3-FL-40L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	203.6	206.8	207.6	210.0	212.5	214.9	216.5	220.6	225.5	227.9	232.8
115°	234.4	236.0	236.8	239.2	242.5	244.9	246.5	250.6	255.5	258.7	264.4
117.5°	259.5	263.6	264.4	266.8	270.1	272.5	274.1	279.0	284.7	288.7	294.4
120°	286.3	289.5	292.8	294.4	296.8	300.1	301.7	306.5	313.0	317.1	323.6
122.5°	310.6	313.8	317.1	319.5	322.8	324.4	326.8	332.5	339.0	343.9	350.3
125°	334.9	339.0	341.4	343.9	347.9	349.5	352.0	357.6	364.1	369.8	376.3
127.5°	358.5	360.9	364.9	366.6	370.6	372.2	374.7	381.2	387.6	393.3	399.8
130°	380.3	383.6	386.8	387.6	392.5	394.9	397.4	403.1	410.4	416.0	422.5
132.5°	401.4	403.1	407.1	409.5	413.6	416.0	418.5	423.3	430.6	436.3	442.8
135°	420.9	422.5	427.4	429.8	432.3	434.7	437.9	442.8	450.1	455.8	462.3
137.5°	440.4	442.0	446.8	449.3	450.9	453.3	455.8	460.6	467.9	473.6	479.3
140°	458.2	459.8	463.1	466.3	467.9	469.6	472.0	476.9	483.3	489.0	494.7
142.5°	474.4	476.0	479.3	482.5	485.0	485.0	487.4	491.5	498.8	504.4	509.3
145°	489.8	490.6	493.9	497.1	500.4	500.4	501.2	505.2	511.7	518.2	523.1
147.5°	504.4	505.2	507.7	510.9	513.3	514.2	515.8	517.4	523.9	530.4	536.1
150°	517.4	518.2	519.8	523.1	524.7	526.3	527.9	528.8	533.6	539.3	545.8
152.5°	528.8	529.6	531.2	533.6	535.2	536.9	538.5	540.9	543.4	549.0	553.1
155°	540.1	540.9	541.7	544.2	545.8	546.6	547.4	550.7	553.1	556.3	560.4
157.5°	549.8	549.8	550.7	552.3	553.9	553.9	554.7	558.0	560.4	563.6	566.1
160°	558.0	558.0	558.8	560.4	560.4	561.2	562.0	564.4	566.1	570.1	573.4
162.5°	565.3	564.4	565.3	566.1	566.1	566.1	566.9	568.5	570.9	574.2	577.4
165°	570.9	570.9	570.9	571.7	571.7	570.9	570.9	572.6	574.2	576.6	579.0
167.5°	575.8	575.8	575.0	575.8	575.0	575.0	574.2	575.0	575.8	578.2	579.8
170°	579.8	579.0	579.0	579.0	578.2	577.4	577.4	577.4	577.4	579.0	580.7
172.5°	583.1	582.3	581.5	581.5	579.8	579.0	579.0	578.2	578.2	579.0	579.8
175°	583.9	583.1	582.3	582.3	580.7	579.8	579.0	579.0	578.2	579.0	579.8
177.5°	585.5	584.7	583.1	583.1	581.5	579.8	579.8	579.0	578.2	579.0	579.0
180°	577.4	577.4	577.4	577.4	577.4	577.4	577.4	577.4	577.4	577.4	577.4



TEST NUMBER: P395556

CATALOG NUMBER: I3-FL-40L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6	323.6
2.5°	325.2	325.2	324.4	323.6	323.6	322.8	322.0	321.1	320.3	319.5
5°	325.2	324.4	323.6	323.6	322.8	322.8	322.8	322.0	321.1	321.1
7.5°	325.2	325.2	324.4	323.6	323.6	323.6	323.6	323.6	322.8	322.8
10°	325.2	324.4	324.4	324.4	323.6	324.4	324.4	323.6	323.6	322.8
12.5°	324.4	324.4	324.4	324.4	324.4	324.4	324.4	324.4	324.4	323.6
15°	322.8	323.6	323.6	324.4	324.4	324.4	325.2	325.2	324.4	324.4
17.5°	322.0	322.8	323.6	324.4	324.4	324.4	325.2	325.2	325.2	325.2
20°	320.3	321.1	322.0	322.8	322.8	323.6	323.6	324.4	324.4	324.4
22.5°	317.1	317.9	319.5	320.3	321.1	322.0	322.8	322.8	322.8	322.8
25°	313.8	315.5	316.3	317.9	318.7	319.5	320.3	320.3	320.3	321.1
27.5°	309.8	311.4	313.8	314.7	315.5	316.3	317.1	317.9	317.9	317.9
30°	304.9	307.4	309.0	310.6	311.4	312.2	313.0	313.0	313.8	313.8
32.5°	299.3	301.7	303.3	304.9	305.7	306.5	308.2	308.2	309.0	309.0
35°	292.0	294.4	296.8	298.4	299.3	300.1	301.7	302.5	302.5	302.5
37.5°	284.7	287.1	289.5	292.0	292.8	293.6	295.2	295.2	296.0	296.0
40°	275.7	278.2	280.6	283.0	283.0	284.7	285.5	286.3	287.1	287.1
42.5°	266.8	269.2	270.9	273.3	274.1	274.9	275.7	277.4	277.4	278.2
45°	256.3	258.7	260.3	262.8	263.6	264.4	266.0	266.8	267.6	267.6
47.5°	244.9	246.5	248.2	250.6	252.2	253.0	253.8	254.6	255.5	254.6
50°	231.9	233.6	236.0	238.4	239.2	240.0	241.7	241.7	242.5	242.5
52.5°	218.2	220.6	222.2	224.6	225.5	226.3	227.9	227.9	228.7	228.7
55°	202.7	204.4	206.0	210.0	210.9	211.7	213.3	213.3	214.1	214.9
57.5°	188.1	189.0	191.4	193.0	194.6	194.6	195.4	196.3	197.1	197.1
60°	172.7	173.5	175.2	177.6	177.6	178.4	180.0	180.0	180.8	180.8
62.5°	156.5	158.1	159.8	162.2	161.4	162.2	163.8	163.8	164.6	164.6
65°	140.3	141.1	142.7	144.4	145.2	145.2	146.0	146.8	147.6	147.6
67.5°	123.3	124.9	125.7	128.1	127.3	128.1	128.9	128.9	129.8	129.8
70°	107.0	107.9	109.5	110.3	110.3	111.1	111.9	111.9	111.9	112.7
72.5°	90.8	91.6	92.5	93.3	93.3	94.1	94.9	94.9	95.7	95.7
75°	73.8	75.4	76.2	77.9	77.0	77.9	79.5	79.5	79.5	79.5
77.5°	59.2	60.0	61.6	62.4	62.4	62.4	64.1	63.3	64.1	64.1
80°	44.6	45.4	47.0	47.8	47.8	48.7	49.5	49.5	49.5	50.3
82.5°	31.6	33.3	34.9	35.7	35.7	36.5	37.3	37.3	38.1	38.1
85°	21.9	23.5	25.1	25.1	26.0	26.8	27.6	27.6	27.6	27.6
87.5°	14.6	15.4	16.2	17.0	17.8	17.8	18.7	18.7	19.5	19.5
90°	8.1	8.9	9.7	10.5	10.5	11.4	11.4	12.2	12.2	12.2
92.5°	11.4	11.4	12.2	13.0	13.0	13.0	13.0	13.8	13.8	13.8
95°	24.3	25.1	25.1	26.8	26.8	26.8	27.6	27.6	27.6	27.6
97.5°	47.0	47.0	47.0	48.7	48.7	48.7	49.5	49.5	49.5	50.3
100°	73.8	74.6	74.6	77.0	76.2	77.9	77.9	77.9	77.9	78.7
102.5°	103.8	105.4	106.2	108.7	108.7	108.7	110.3	109.5	110.3	110.3
105°	136.2	137.9	138.7	141.1	142.7	142.7	144.4	143.5	144.4	145.2
107.5°	168.7	171.1	172.7	175.2	176.8	177.6	177.6	178.4	179.2	180.0
110°	201.9	204.4	208.4	210.9	211.7	213.3	214.1	214.9	215.7	217.3



TEST NUMBER: P395556

CATALOG NUMBER: I3-FL-40L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	236.8	239.2	242.5	245.7	244.9	247.3	249.0	249.8	250.6	249.8
115°	268.4	271.7	274.9	278.2	278.2	279.8	283.0	283.8	283.8	285.5
117.5°	298.4	302.5	305.7	309.0	309.8	311.4	313.8	316.3	316.3	317.9
120°	327.6	332.5	335.7	339.0	340.6	341.4	343.9	347.1	347.1	347.1
122.5°	355.2	359.3	363.3	366.6	368.2	369.8	371.4	375.5	375.5	377.1
125°	381.2	386.0	390.1	393.3	394.9	396.6	399.8	402.2	403.1	403.1
127.5°	405.5	410.4	414.4	418.5	419.3	420.9	424.1	427.4	428.2	429.0
130°	428.2	433.1	437.1	441.2	442.8	443.6	447.7	450.1	451.7	452.5
132.5°	448.5	453.3	457.4	461.4	463.1	464.7	467.1	471.2	472.0	472.0
135°	467.1	472.0	476.0	480.9	481.7	483.3	486.6	489.0	490.6	491.5
137.5°	484.2	489.0	493.9	497.9	499.6	500.4	503.6	506.9	508.5	509.3
140°	499.6	504.4	509.3	512.5	513.3	515.8	518.2	521.5	523.1	523.9
142.5°	514.2	518.2	522.3	526.3	527.1	528.8	531.2	534.4	536.1	536.9
145°	527.1	531.2	534.4	537.7	538.5	540.1	542.5	545.0	546.6	547.4
147.5°	539.3	542.5	545.8	548.2	549.0	550.7	552.3	553.9	555.5	556.3
150°	549.8	551.5	554.7	556.3	557.1	558.8	560.4	562.0	563.6	564.4
152.5°	558.0	560.4	562.0	564.4	565.3	566.1	567.7	569.3	570.9	570.9
155°	564.4	566.9	568.5	570.9	571.7	572.6	574.2	575.0	576.6	576.6
157.5°	569.3	571.7	573.4	575.0	575.8	576.6	577.4	579.0	580.7	580.7
160°	575.0	575.8	576.6	578.2	578.2	579.0	579.8	580.7	582.3	582.3
162.5°	579.8	580.7	579.0	579.8	579.0	579.8	580.7	581.5	582.3	582.3
165°	581.5	583.1	582.3	583.1	583.1	583.1	583.1	583.9	583.9	583.9
167.5°	581.5	583.1	582.3	582.3	583.1	583.1	583.9	584.7	584.7	584.7
170°	581.5	582.3	581.5	580.7	581.5	581.5	581.5	582.3	582.3	582.3
172.5°	580.7	581.5	579.8	579.0	579.0	579.0	578.2	578.2	577.4	577.4
175°	579.8	579.8	578.2	577.4	577.4	577.4	575.8	575.0	574.2	573.4
177.5°	579.0	579.0	576.6	575.8	575.8	575.0	575.0	573.4	573.4	572.6
180°	577.4	577.4	577.4	577.4	577.4	577.4	577.4	577.4	577.4	577.4

(END OF REPORT)