

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: P395563

Luminaire Tested: **I3-FL-40L93050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395563  
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-40L93050-1D-UNV-W2A-W-4 (3000K)  
Description: CORELITE I3, FROSTED TOP COVER  
4000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2838.9 lumens  
Efficiency: N/A  
Efficacy: 99.6 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

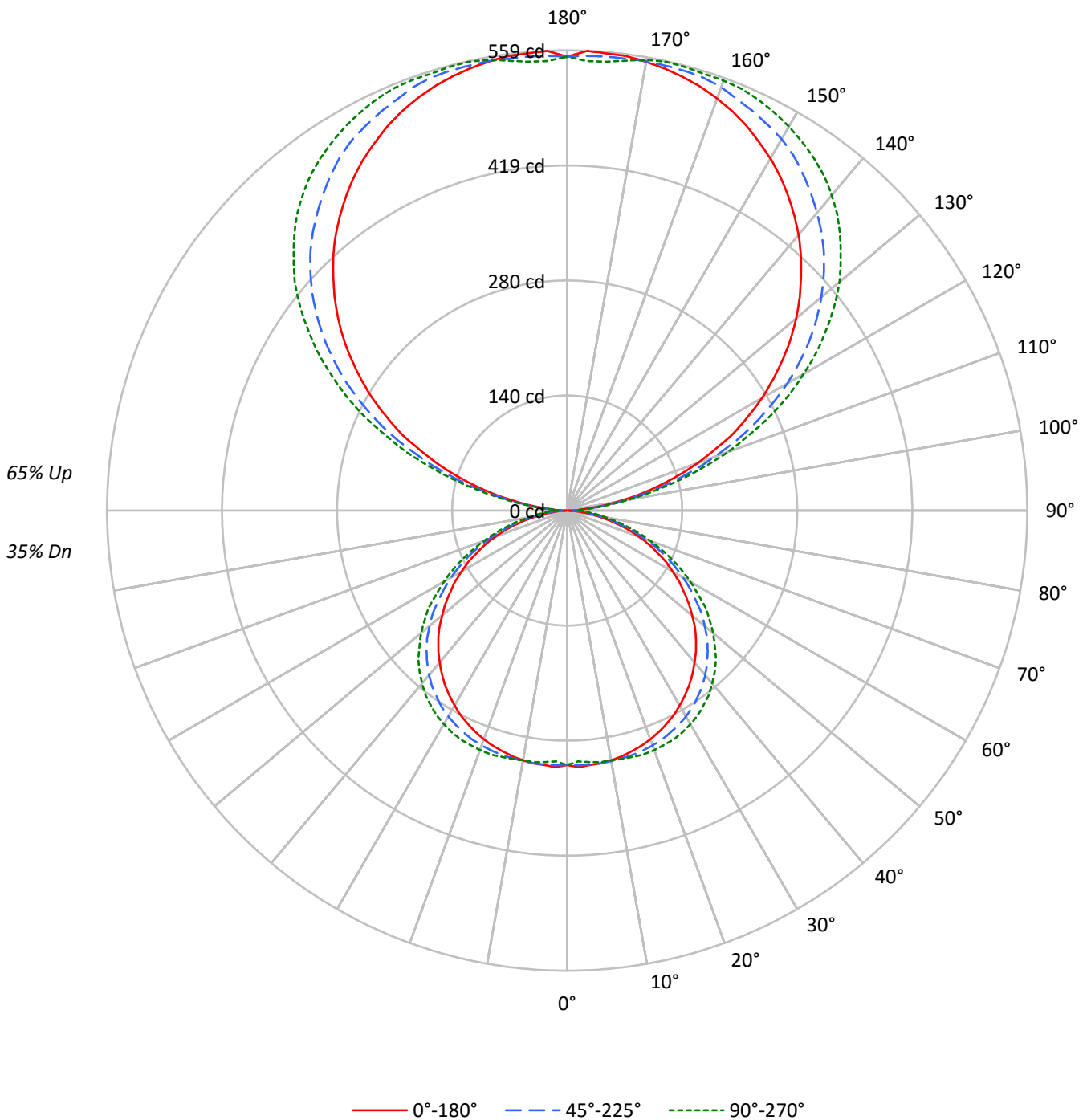
Input Watts (W): 28.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: I3-FL-40L93050-1D-UNV-W2A-W-4 (3000K)

### Luminous Intensity Polar Plot





TEST NUMBER: P395563

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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	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°	1698	1698	1698
5°	1706	1670	1644
10°	1707	1647	1624
15°	1703	1632	1618
20°	1703	1619	1616
25°	1699	1604	1609
30°	1693	1589	1595
35°	1685	1564	1571
40°	1668	1531	1537
45°	1651	1483	1490
50°	1613	1418	1417
55°	1566	1328	1332
60°	1514	1224	1203
65°	1440	1097	1069
70°	1337	934	903
75°	1164	743	718
80°	908	528	526
85°	492	303	345



TEST NUMBER: P395563

CATALOG NUMBER: I3-FL-40L93050-1D-UNV-W2A-W-4 (3000K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.5	1.0
10°-20°	86.6	3.1
20°-30°	136.6	4.8
30°-40°	171.7	6.0
40°-50°	184.6	6.5
50°-60°	169.8	6.0
60°-70°	130.1	4.6
70°-80°	74.1	2.6
80°-90°	23.1	0.8
90°-100°	30.9	1.1
100°-110°	134.5	4.7
110°-120°	246.3	8.7
120°-130°	317.5	11.2
130°-140°	337.8	11.9
140°-150°	310.8	10.9
150°-160°	246.2	8.7
160°-170°	155.9	5.5
170°-180°	52.8	1.9
0°-30°	252.7	8.9
0°-40°	424.4	14.9
0°-60°	778.7	27.4
0°-90°	1006.0	35.4
90°-120°	411.8	14.5
90°-150°	1377.9	48.5
90°-180°	1833.0	64.6
0°-180°	2838.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	309	309	309	309	309	
5°	310	307	310	308	307	30
15°	303	301	307	310	310	86
25°	286	286	297	304	307	132
35°	259	262	276	286	289	162
45°	221	227	242	252	256	171
55°	173	180	191	201	205	155
65°	121	125	132	139	141	120
75°	64	65	70	74	76	67
85°	12	15	19	25	26	15
90°	1	2	7	10	12	2
95°	21	20	22	26	26	26
105°	114	119	128	136	139	121
115°	224	234	252	266	272	219
125°	320	334	359	377	385	286
135°	402	415	441	460	469	310
145°	468	478	499	514	523	293
155°	516	522	535	546	550	238
165°	545	545	553	557	557	154
175°	557	554	554	551	547	53
180°	551	551	551	551	551	



TEST NUMBER: P395563

CATALOG NUMBER: I3-FL-40L93050-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	308.9	308.9	308.9	308.9	308.9	308.9	308.9	308.9	308.9	308.9	308.9
2.5°	312.0	311.2	310.4	308.9	308.9	308.1	308.1	308.1	308.1	308.9	309.7
5°	310.4	310.4	309.7	308.1	308.1	307.3	307.3	308.1	307.3	308.1	309.7
7.5°	309.7	309.7	308.9	307.3	307.3	307.3	307.3	307.3	307.3	308.1	309.7
10°	308.1	308.1	306.6	305.8	305.8	305.8	305.8	306.6	306.6	307.3	308.9
12.5°	305.8	305.0	304.2	303.5	303.5	303.5	304.2	305.0	305.0	306.6	308.1
15°	302.7	302.7	301.9	301.1	301.1	301.1	301.9	302.7	303.5	305.0	307.3
17.5°	299.6	299.6	298.8	298.8	298.8	298.8	299.6	300.4	301.9	303.5	305.8
20°	295.7	295.7	295.0	295.0	295.0	295.7	295.7	297.3	298.8	301.1	303.5
22.5°	291.1	291.1	291.1	290.3	291.1	291.9	292.6	294.2	295.7	298.1	301.1
25°	285.7	285.7	285.7	285.7	286.4	286.4	288.0	289.5	291.1	294.2	297.3
27.5°	280.2	280.2	280.2	279.5	281.0	281.8	282.6	284.9	286.4	290.3	293.4
30°	273.3	273.3	273.3	274.1	274.8	275.6	277.1	279.5	281.0	284.9	288.8
32.5°	266.3	266.3	266.3	266.3	268.6	269.4	270.2	272.5	275.6	279.5	283.3
35°	258.6	258.6	258.6	259.3	260.9	261.7	263.2	265.5	268.6	272.5	276.4
37.5°	250.1	250.8	250.8	251.6	253.2	254.7	256.2	258.6	261.7	265.5	269.4
40°	240.8	241.5	241.5	242.3	243.9	245.4	247.0	250.1	253.2	257.0	260.9
42.5°	231.5	232.2	232.2	233.8	235.3	236.9	238.4	241.5	244.6	248.5	251.6
45°	221.4	222.2	222.2	223.7	226.1	226.8	229.2	232.2	235.3	238.4	241.5
47.5°	210.6	211.3	211.3	212.9	215.2	216.8	218.3	221.4	223.7	227.6	230.7
50°	198.2	199.0	199.7	201.3	204.4	205.9	207.5	209.8	212.9	215.2	218.3
52.5°	186.6	186.6	187.3	188.9	191.2	192.8	193.5	195.9	199.7	202.8	205.9
55°	173.4	174.2	175.0	176.5	178.8	180.4	181.2	183.5	185.8	188.1	191.2
57.5°	161.8	161.8	162.6	164.1	166.4	167.2	168.0	169.5	172.6	175.0	177.3
60°	147.9	148.6	149.4	151.0	152.5	154.1	154.1	156.4	158.7	161.0	162.6
62.5°	135.5	135.5	136.3	137.8	138.6	140.1	140.1	142.4	144.0	146.3	147.9
65°	120.8	121.5	122.3	123.1	124.6	124.6	125.4	127.0	128.5	130.1	132.4
67.5°	107.6	107.6	108.4	109.2	109.9	109.9	110.7	112.3	113.8	115.3	116.9
70°	92.9	93.7	93.7	93.7	94.4	95.2	96.0	96.8	98.3	99.1	100.6
72.5°	78.2	78.2	79.0	79.0	79.7	80.5	81.3	82.1	82.8	84.4	85.2
75°	63.5	63.5	64.3	64.3	65.0	65.0	65.0	66.6	67.4	68.9	69.7
77.5°	48.8	49.5	49.5	49.5	50.3	51.1	51.1	51.9	53.4	54.2	55.0
80°	35.6	35.6	35.6	35.6	36.4	37.2	37.9	37.9	39.5	41.0	41.8
82.5°	22.5	22.5	23.2	24.0	24.0	24.8	25.5	26.3	27.9	28.6	29.4
85°	11.6	11.6	12.4	13.2	13.9	14.7	14.7	15.5	17.0	18.6	19.4
87.5°	3.9	4.6	4.6	5.4	6.2	7.0	7.7	8.5	10.1	11.6	12.4
90°	0.8	0.8	0.8	1.5	2.3	2.3	3.1	3.9	4.6	5.4	7.0
92.5°	7.0	7.0	6.2	7.0	7.0	7.0	7.0	7.7	8.5	8.5	10.1
95°	20.9	20.1	20.1	20.1	20.1	20.1	20.1	20.9	21.7	21.7	22.5
97.5°	40.3	40.3	39.5	39.5	40.3	40.3	40.3	41.0	42.6	41.8	43.4
100°	62.7	62.7	61.9	62.7	63.5	64.3	65.8	65.8	67.4	67.4	69.7
102.5°	88.3	88.3	87.5	89.0	89.8	91.4	91.4	92.9	95.2	95.2	98.3
105°	113.8	114.6	114.6	116.1	117.7	119.2	119.2	121.5	124.6	124.6	128.5
107.5°	141.7	142.4	142.4	144.0	145.5	147.1	147.9	151.0	154.1	154.8	159.5
110°	168.8	169.5	170.3	171.9	173.4	175.7	177.3	180.4	184.3	185.8	189.7



TEST NUMBER: P395563

CATALOG NUMBER: I3-FL-40L93050-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	194.3	197.4	198.2	200.5	202.8	205.2	206.7	210.6	215.2	217.5	222.2
115°	223.7	225.3	226.1	228.4	231.5	233.8	235.3	239.2	243.9	247.0	252.4
117.5°	247.7	251.6	252.4	254.7	257.8	260.1	261.7	266.3	271.7	275.6	281.0
120°	273.3	276.4	279.5	281.0	283.3	286.4	288.0	292.6	298.8	302.7	308.9
122.5°	296.5	299.6	302.7	305.0	308.1	309.7	312.0	317.4	323.6	328.2	334.4
125°	319.7	323.6	325.9	328.2	332.1	333.7	336.0	341.4	347.6	353.0	359.2
127.5°	342.2	344.5	348.4	349.9	353.8	355.3	357.7	363.9	370.0	375.5	381.7
130°	363.1	366.2	369.3	370.0	374.7	377.0	379.3	384.8	391.7	397.1	403.3
132.5°	383.2	384.8	388.6	391.0	394.8	397.1	399.5	404.1	411.1	416.5	422.7
135°	401.8	403.3	408.0	410.3	412.6	414.9	418.0	422.7	429.7	435.1	441.3
137.5°	420.4	421.9	426.6	428.9	430.4	432.8	435.1	439.7	446.7	452.1	457.5
140°	437.4	438.9	442.0	445.1	446.7	448.2	450.6	455.2	461.4	466.8	472.2
142.5°	452.9	454.4	457.5	460.6	462.9	462.9	465.3	469.1	476.1	481.5	486.2
145°	467.6	468.4	471.5	474.6	477.7	477.7	478.4	482.3	488.5	494.7	499.3
147.5°	481.5	482.3	484.6	487.7	490.0	490.8	492.4	493.9	500.1	506.3	511.7
150°	493.9	494.7	496.2	499.3	500.9	502.4	504.0	504.8	509.4	514.8	521.0
152.5°	504.8	505.5	507.1	509.4	510.9	512.5	514.0	516.4	518.7	524.1	528.0
155°	515.6	516.4	517.1	519.5	521.0	521.8	522.6	525.7	528.0	531.1	534.9
157.5°	524.9	524.9	525.7	527.2	528.8	528.8	529.5	532.6	534.9	538.0	540.4
160°	532.6	532.6	533.4	534.9	534.9	535.7	536.5	538.8	540.4	544.2	547.3
162.5°	539.6	538.8	539.6	540.4	540.4	540.4	541.1	542.7	545.0	548.1	551.2
165°	545.0	545.0	545.0	545.8	545.8	545.0	545.0	546.6	548.1	550.4	552.8
167.5°	549.7	549.7	548.9	549.7	548.9	548.9	548.1	548.9	549.7	552.0	553.5
170°	553.5	552.8	552.8	552.8	552.0	551.2	551.2	551.2	551.2	552.8	554.3
172.5°	556.6	555.8	555.1	555.1	553.5	552.8	552.8	552.0	552.0	552.8	553.5
175°	557.4	556.6	555.8	555.8	554.3	553.5	552.8	552.8	552.0	552.8	553.5
177.5°	558.9	558.2	556.6	556.6	555.1	553.5	553.5	552.8	552.0	552.8	552.8
180°	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2



TEST NUMBER: P395563

CATALOG NUMBER: I3-FL-40L93050-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	308.9	308.9	308.9	308.9	308.9	308.9	308.9	308.9	308.9	308.9
2.5°	310.4	310.4	309.7	308.9	308.9	308.1	307.3	306.6	305.8	305.0
5°	310.4	309.7	308.9	308.9	308.1	308.1	308.1	307.3	306.6	306.6
7.5°	310.4	310.4	309.7	308.9	308.9	308.9	308.9	308.9	308.1	308.1
10°	310.4	309.7	309.7	309.7	308.9	309.7	309.7	308.9	308.9	308.1
12.5°	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	309.7	308.9
15°	308.1	308.9	308.9	309.7	309.7	309.7	310.4	310.4	309.7	309.7
17.5°	307.3	308.1	308.9	309.7	309.7	309.7	310.4	310.4	310.4	310.4
20°	305.8	306.6	307.3	308.1	308.1	308.9	308.9	309.7	309.7	309.7
22.5°	302.7	303.5	305.0	305.8	306.6	307.3	308.1	308.1	308.1	308.1
25°	299.6	301.1	301.9	303.5	304.2	305.0	305.8	305.8	305.8	306.6
27.5°	295.7	297.3	299.6	300.4	301.1	301.9	302.7	303.5	303.5	303.5
30°	291.1	293.4	295.0	296.5	297.3	298.1	298.8	298.8	299.6	299.6
32.5°	285.7	288.0	289.5	291.1	291.9	292.6	294.2	294.2	295.0	295.0
35°	278.7	281.0	283.3	284.9	285.7	286.4	288.0	288.8	288.8	288.8
37.5°	271.7	274.1	276.4	278.7	279.5	280.2	281.8	281.8	282.6	282.6
40°	263.2	265.5	267.9	270.2	270.2	271.7	272.5	273.3	274.1	274.1
42.5°	254.7	257.0	258.6	260.9	261.7	262.4	263.2	264.8	264.8	265.5
45°	244.6	247.0	248.5	250.8	251.6	252.4	253.9	254.7	255.5	255.5
47.5°	233.8	235.3	236.9	239.2	240.8	241.5	242.3	243.1	243.9	243.1
50°	221.4	223.0	225.3	227.6	228.4	229.2	230.7	230.7	231.5	231.5
52.5°	208.2	210.6	212.1	214.4	215.2	216.0	217.5	217.5	218.3	218.3
55°	193.5	195.1	196.6	200.5	201.3	202.1	203.6	203.6	204.4	205.2
57.5°	179.6	180.4	182.7	184.3	185.8	185.8	186.6	187.3	188.1	188.1
60°	164.9	165.7	167.2	169.5	169.5	170.3	171.9	171.9	172.6	172.6
62.5°	149.4	151.0	152.5	154.8	154.1	154.8	156.4	156.4	157.2	157.2
65°	133.9	134.7	136.3	137.8	138.6	138.6	139.3	140.1	140.9	140.9
67.5°	117.7	119.2	120.0	122.3	121.5	122.3	123.1	123.1	123.9	123.9
70°	102.2	103.0	104.5	105.3	105.3	106.1	106.8	106.8	106.8	107.6
72.5°	86.7	87.5	88.3	89.0	89.0	89.8	90.6	90.6	91.4	91.4
75°	70.4	72.0	72.8	74.3	73.5	74.3	75.9	75.9	75.9	75.9
77.5°	56.5	57.3	58.8	59.6	59.6	59.6	61.2	60.4	61.2	61.2
80°	42.6	43.4	44.9	45.7	45.7	46.4	47.2	47.2	47.2	48.0
82.5°	30.2	31.7	33.3	34.1	34.1	34.8	35.6	35.6	36.4	36.4
85°	20.9	22.5	24.0	24.0	24.8	25.5	26.3	26.3	26.3	26.3
87.5°	13.9	14.7	15.5	16.3	17.0	17.0	17.8	17.8	18.6	18.6
90°	7.7	8.5	9.3	10.1	10.1	10.8	10.8	11.6	11.6	11.6
92.5°	10.8	10.8	11.6	12.4	12.4	12.4	12.4	13.2	13.2	13.2
95°	23.2	24.0	24.0	25.5	25.5	25.5	26.3	26.3	26.3	26.3
97.5°	44.9	44.9	44.9	46.4	46.4	46.4	47.2	47.2	47.2	48.0
100°	70.4	71.2	71.2	73.5	72.8	74.3	74.3	74.3	74.3	75.1
102.5°	99.1	100.6	101.4	103.7	103.7	103.7	105.3	104.5	105.3	105.3
105°	130.1	131.6	132.4	134.7	136.3	136.3	137.8	137.0	137.8	138.6
107.5°	161.0	163.3	164.9	167.2	168.8	169.5	169.5	170.3	171.1	171.9
110°	192.8	195.1	199.0	201.3	202.1	203.6	204.4	205.2	205.9	207.5





TEST NUMBER: P395563

CATALOG NUMBER: I3-FL-40L93050-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	226.1	228.4	231.5	234.6	233.8	236.1	237.7	238.4	239.2	238.4
115°	256.2	259.3	262.4	265.5	265.5	267.1	270.2	271.0	271.0	272.5
117.5°	284.9	288.8	291.9	295.0	295.7	297.3	299.6	301.9	301.9	303.5
120°	312.8	317.4	320.5	323.6	325.1	325.9	328.2	331.3	331.3	331.3
122.5°	339.1	343.0	346.8	349.9	351.5	353.0	354.6	358.4	358.4	360.0
125°	363.9	368.5	372.4	375.5	377.0	378.6	381.7	384.0	384.8	384.8
127.5°	387.1	391.7	395.6	399.5	400.2	401.8	404.9	408.0	408.8	409.5
130°	408.8	413.4	417.3	421.1	422.7	423.5	427.3	429.7	431.2	432.0
132.5°	428.1	432.8	436.6	440.5	442.0	443.6	445.9	449.8	450.6	450.6
135°	445.9	450.6	454.4	459.1	459.9	461.4	464.5	466.8	468.4	469.1
137.5°	462.2	466.8	471.5	475.3	476.9	477.7	480.8	483.8	485.4	486.2
140°	476.9	481.5	486.2	489.3	490.0	492.4	494.7	497.8	499.3	500.1
142.5°	490.8	494.7	498.6	502.4	503.2	504.8	507.1	510.2	511.7	512.5
145°	503.2	507.1	510.2	513.3	514.0	515.6	517.9	520.2	521.8	522.6
147.5°	514.8	517.9	521.0	523.3	524.1	525.7	527.2	528.8	530.3	531.1
150°	524.9	526.4	529.5	531.1	531.8	533.4	534.9	536.5	538.0	538.8
152.5°	532.6	534.9	536.5	538.8	539.6	540.4	541.9	543.5	545.0	545.0
155°	538.8	541.1	542.7	545.0	545.8	546.6	548.1	548.9	550.4	550.4
157.5°	543.5	545.8	547.3	548.9	549.7	550.4	551.2	552.8	554.3	554.3
160°	548.9	549.7	550.4	552.0	552.0	552.8	553.5	554.3	555.8	555.8
162.5°	553.5	554.3	552.8	553.5	552.8	553.5	554.3	555.1	555.8	555.8
165°	555.1	556.6	555.8	556.6	556.6	556.6	556.6	557.4	557.4	557.4
167.5°	555.1	556.6	555.8	555.8	556.6	556.6	557.4	558.2	558.2	558.2
170°	555.1	555.8	555.1	554.3	555.1	555.1	555.1	555.8	555.8	555.8
172.5°	554.3	555.1	553.5	552.8	552.8	552.8	552.0	552.0	551.2	551.2
175°	553.5	553.5	552.0	551.2	551.2	551.2	549.7	548.9	548.1	547.3
177.5°	552.8	552.8	550.4	549.7	549.7	548.9	548.9	547.3	547.3	546.6
180°	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2

(END OF REPORT)