

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: P395506

Luminaire Tested: **I3-FL-20L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395506  
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-20L92765-1D-UNV-W2A-W-4 (4000K)  
Description: CORELITE I3, FROSTED TOP COVER  
2000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1879.8 lumens  
Efficiency: N/A  
Efficacy: 114.6 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

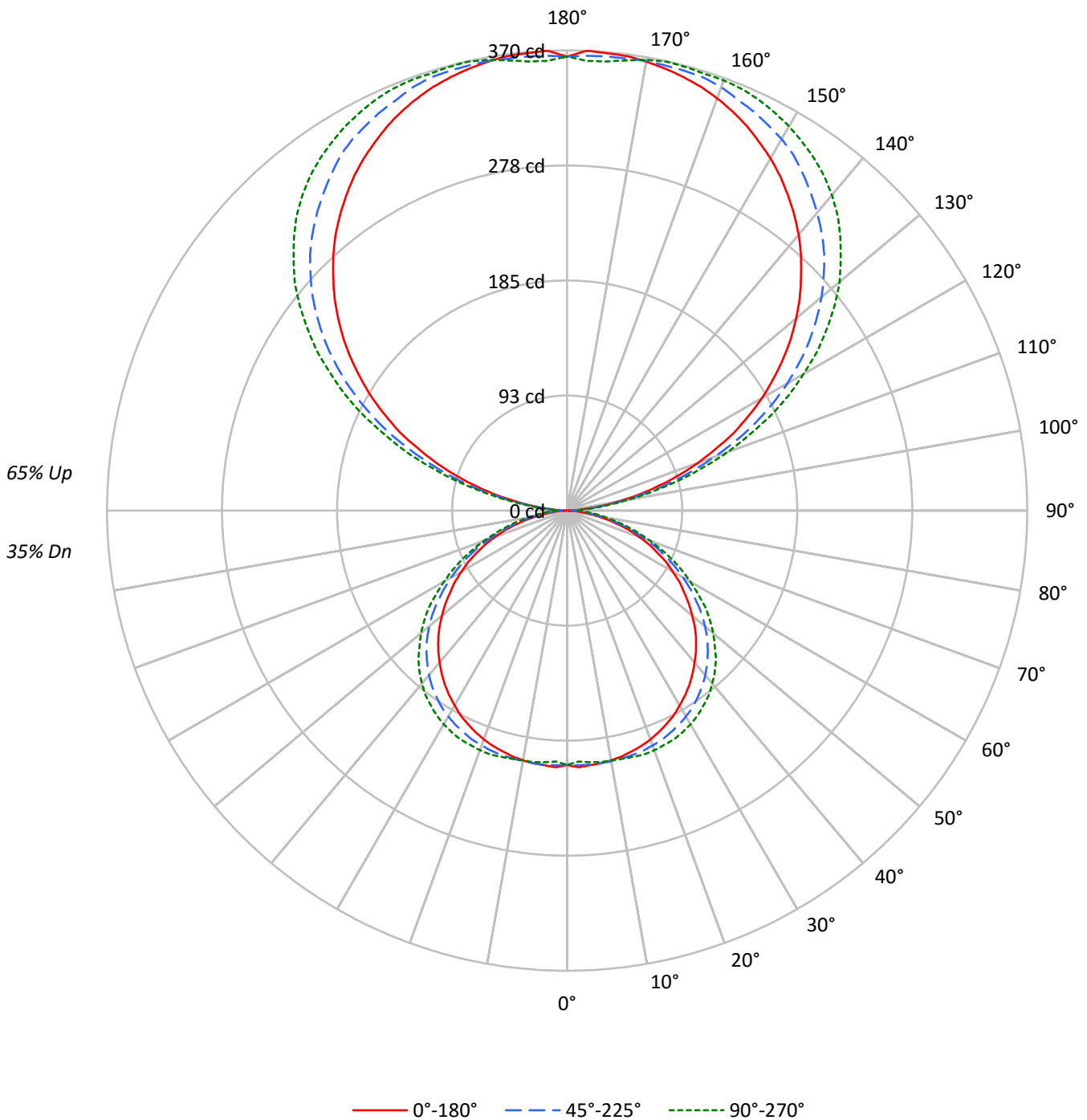
Input Watts (W): 16.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	1124	1124	1124
5°	1130	1105	1088
10°	1130	1090	1075
15°	1127	1081	1071
20°	1128	1071	1069
25°	1125	1062	1066
30°	1121	1052	1056
35°	1116	1035	1040
40°	1104	1013	1018
45°	1093	982	986
50°	1068	939	938
55°	1037	879	882
60°	1002	810	797
65°	953	727	708
70°	885	619	598
75°	770	491	475
80°	602	350	348
85°	327	200	228



TEST NUMBER: P395506

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (4000K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.5	1.0
10°-20°	57.4	3.1
20°-30°	90.4	4.8
30°-40°	113.7	6.0
40°-50°	122.2	6.5
50°-60°	112.4	6.0
60°-70°	86.1	4.6
70°-80°	49.0	2.6
80°-90°	15.3	0.8
90°-100°	20.5	1.1
100°-110°	89.1	4.7
110°-120°	163.1	8.7
120°-130°	210.2	11.2
130°-140°	223.7	11.9
140°-150°	205.8	10.9
150°-160°	163.0	8.7
160°-170°	103.2	5.5
170°-180°	35.0	1.9
0°-30°	167.3	8.9
0°-40°	281.0	14.9
0°-60°	515.6	27.4
0°-90°	666.1	35.4
90°-120°	272.7	14.5
90°-150°	912.4	48.5
90°-180°	1214.0	64.6
0°-180°	1879.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	204	204	204	204	204	
5°	206	204	205	204	203	20
15°	200	199	204	205	205	57
25°	189	190	197	202	203	87
35°	171	173	183	189	191	107
45°	147	150	160	167	169	113
55°	115	119	127	133	136	103
65°	80	82	88	92	93	79
75°	42	43	46	49	50	44
85°	8	10	13	16	17	10
90°	0	2	5	7	8	1
95°	14	13	15	17	17	17
105°	75	79	85	90	92	80
115°	148	155	167	176	180	145
125°	212	221	238	250	255	189
135°	266	275	292	304	311	205
145°	310	316	331	340	346	194
155°	341	346	354	361	364	157
165°	361	361	366	369	369	102
175°	369	366	366	365	362	35
180°	365	365	365	365	365	



TEST NUMBER: P395506

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	204.5	204.5	204.5	204.5	204.5	204.5	204.5	204.5	204.5	204.5	204.5
2.5°	206.6	206.1	205.6	204.5	204.5	204.0	204.0	204.0	204.0	204.5	205.0
5°	205.6	205.6	205.0	204.0	204.0	203.5	203.5	204.0	203.5	204.0	205.0
7.5°	205.0	205.0	204.5	203.5	203.5	203.5	203.5	203.5	203.5	204.0	205.0
10°	204.0	204.0	203.0	202.5	202.5	202.5	202.5	203.0	203.0	203.5	204.5
12.5°	202.5	202.0	201.5	200.9	200.9	200.9	201.5	202.0	202.0	203.0	204.0
15°	200.4	200.4	199.9	199.4	199.4	199.4	199.9	200.4	200.9	202.0	203.5
17.5°	198.4	198.4	197.9	197.9	197.9	197.9	198.4	198.9	199.9	200.9	202.5
20°	195.8	195.8	195.3	195.3	195.3	195.8	195.8	196.8	197.9	199.4	200.9
22.5°	192.7	192.7	192.7	192.2	192.7	193.3	193.8	194.8	195.8	197.4	199.4
25°	189.2	189.2	189.2	189.2	189.7	189.7	190.7	191.7	192.7	194.8	196.8
27.5°	185.6	185.6	185.6	185.1	186.1	186.6	187.1	188.6	189.7	192.2	194.3
30°	180.9	180.9	180.9	181.5	182.0	182.5	183.5	185.1	186.1	188.6	191.2
32.5°	176.3	176.3	176.3	176.3	177.9	178.4	178.9	180.4	182.5	185.1	187.6
35°	171.2	171.2	171.2	171.7	172.7	173.3	174.3	175.8	177.9	180.4	183.0
37.5°	165.6	166.1	166.1	166.6	167.6	168.6	169.7	171.2	173.3	175.8	178.4
40°	159.4	159.9	159.9	160.4	161.5	162.5	163.5	165.6	167.6	170.2	172.7
42.5°	153.3	153.8	153.8	154.8	155.8	156.9	157.9	159.9	162.0	164.5	166.6
45°	146.6	147.1	147.1	148.1	149.7	150.2	151.7	153.8	155.8	157.9	159.9
47.5°	139.4	139.9	139.9	141.0	142.5	143.5	144.6	146.6	148.1	150.7	152.8
50°	131.2	131.7	132.3	133.3	135.3	136.4	137.4	138.9	141.0	142.5	144.6
52.5°	123.5	123.5	124.1	125.1	126.6	127.6	128.2	129.7	132.3	134.3	136.4
55°	114.8	115.3	115.8	116.9	118.4	119.4	119.9	121.5	123.0	124.6	126.6
57.5°	107.1	107.1	107.6	108.7	110.2	110.7	111.2	112.3	114.3	115.8	117.4
60°	97.9	98.4	98.9	100.0	101.0	102.0	102.0	103.5	105.1	106.6	107.6
62.5°	89.7	89.7	90.2	91.2	91.8	92.8	92.8	94.3	95.3	96.9	97.9
65°	80.0	80.5	81.0	81.5	82.5	82.5	83.0	84.1	85.1	86.1	87.7
67.5°	71.3	71.3	71.8	72.3	72.8	72.8	73.3	74.3	75.4	76.4	77.4
70°	61.5	62.0	62.0	62.0	62.5	63.1	63.6	64.1	65.1	65.6	66.6
72.5°	51.8	51.8	52.3	52.3	52.8	53.3	53.8	54.3	54.8	55.9	56.4
75°	42.0	42.0	42.5	42.5	43.1	43.1	43.1	44.1	44.6	45.6	46.1
77.5°	32.3	32.8	32.8	32.8	33.3	33.8	33.8	34.3	35.4	35.9	36.4
80°	23.6	23.6	23.6	23.6	24.1	24.6	25.1	25.1	26.1	27.2	27.7
82.5°	14.9	14.9	15.4	15.9	15.9	16.4	16.9	17.4	18.5	19.0	19.5
85°	7.7	7.7	8.2	8.7	9.2	9.7	9.7	10.3	11.3	12.3	12.8
87.5°	2.6	3.1	3.1	3.6	4.1	4.6	5.1	5.6	6.7	7.7	8.2
90°	0.5	0.5	0.5	1.0	1.5	1.5	2.1	2.6	3.1	3.6	4.6
92.5°	4.6	4.6	4.1	4.6	4.6	4.6	4.6	5.1	5.6	5.6	6.7
95°	13.8	13.3	13.3	13.3	13.3	13.3	13.3	13.8	14.4	14.4	14.9
97.5°	26.7	26.7	26.1	26.1	26.7	26.7	26.7	27.2	28.2	27.7	28.7
100°	41.5	41.5	41.0	41.5	42.0	42.5	43.6	43.6	44.6	44.6	46.1
102.5°	58.4	58.4	57.9	58.9	59.5	60.5	60.5	61.5	63.1	63.1	65.1
105°	75.4	75.9	75.9	76.9	77.9	78.9	78.9	80.5	82.5	82.5	85.1
107.5°	93.8	94.3	94.3	95.3	96.4	97.4	97.9	100.0	102.0	102.5	105.6
110°	111.7	112.3	112.8	113.8	114.8	116.4	117.4	119.4	122.0	123.0	125.6



TEST NUMBER: P395506

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	128.7	130.7	131.2	132.8	134.3	135.8	136.9	139.4	142.5	144.0	147.1
115°	148.1	149.2	149.7	151.2	153.3	154.8	155.8	158.4	161.5	163.5	167.1
117.5°	164.0	166.6	167.1	168.6	170.7	172.2	173.3	176.3	179.9	182.5	186.1
120°	180.9	183.0	185.1	186.1	187.6	189.7	190.7	193.8	197.9	200.4	204.5
122.5°	196.3	198.4	200.4	202.0	204.0	205.0	206.6	210.2	214.3	217.3	221.4
125°	211.7	214.3	215.8	217.3	219.9	220.9	222.5	226.1	230.2	233.7	237.8
127.5°	226.6	228.1	230.7	231.7	234.3	235.3	236.8	240.9	245.0	248.6	252.7
130°	240.4	242.5	244.5	245.0	248.1	249.6	251.2	254.8	259.4	263.0	267.1
132.5°	253.7	254.8	257.3	258.9	261.4	263.0	264.5	267.6	272.2	275.8	279.9
135°	266.0	267.1	270.1	271.7	273.2	274.8	276.8	279.9	284.5	288.1	292.2
137.5°	278.3	279.4	282.4	284.0	285.0	286.5	288.1	291.2	295.8	299.4	303.0
140°	289.6	290.6	292.7	294.7	295.8	296.8	298.3	301.4	305.5	309.1	312.7
142.5°	299.9	300.9	303.0	305.0	306.5	306.5	308.1	310.6	315.3	318.8	321.9
145°	309.6	310.1	312.2	314.2	316.3	316.3	316.8	319.4	323.5	327.6	330.6
147.5°	318.8	319.4	320.9	322.9	324.5	325.0	326.0	327.0	331.1	335.2	338.8
150°	327.0	327.6	328.6	330.6	331.7	332.7	333.7	334.2	337.3	340.9	345.0
152.5°	334.2	334.7	335.8	337.3	338.3	339.3	340.4	341.9	343.4	347.0	349.6
155°	341.4	341.9	342.4	344.0	345.0	345.5	346.0	348.1	349.6	351.6	354.2
157.5°	347.5	347.5	348.1	349.1	350.1	350.1	350.6	352.7	354.2	356.3	357.8
160°	352.7	352.7	353.2	354.2	354.2	354.7	355.2	356.8	357.8	360.4	362.4
162.5°	357.3	356.8	357.3	357.8	357.8	357.8	358.3	359.3	360.9	362.9	365.0
165°	360.9	360.9	360.9	361.4	361.4	360.9	360.9	361.9	362.9	364.5	366.0
167.5°	364.0	364.0	363.4	364.0	363.4	363.4	362.9	363.4	364.0	365.5	366.5
170°	366.5	366.0	366.0	366.0	365.5	365.0	365.0	365.0	365.0	366.0	367.0
172.5°	368.6	368.1	367.5	367.5	366.5	366.0	366.0	365.5	365.5	366.0	366.5
175°	369.1	368.6	368.1	368.1	367.0	366.5	366.0	366.0	365.5	366.0	366.5
177.5°	370.1	369.6	368.6	368.6	367.5	366.5	366.5	366.0	365.5	366.0	366.0
180°	365.0	365.0	365.0	365.0	365.0	365.0	365.0	365.0	365.0	365.0	365.0



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	204.5	204.5	204.5	204.5	204.5	204.5	204.5	204.5	204.5	204.5
2.5°	205.6	205.6	205.0	204.5	204.5	204.0	203.5	203.0	202.5	202.0
5°	205.6	205.0	204.5	204.5	204.0	204.0	204.0	203.5	203.0	203.0
7.5°	205.6	205.6	205.0	204.5	204.5	204.5	204.5	204.5	204.0	204.0
10°	205.6	205.0	205.0	205.0	204.5	205.0	205.0	204.5	204.5	204.0
12.5°	205.0	205.0	205.0	205.0	205.0	205.0	205.0	205.0	205.0	204.5
15°	204.0	204.5	204.5	205.0	205.0	205.0	205.6	205.6	205.0	205.0
17.5°	203.5	204.0	204.5	205.0	205.0	205.0	205.6	205.6	205.6	205.6
20°	202.5	203.0	203.5	204.0	204.0	204.5	204.5	205.0	205.0	205.0
22.5°	200.4	200.9	202.0	202.5	203.0	203.5	204.0	204.0	204.0	204.0
25°	198.4	199.4	199.9	200.9	201.5	202.0	202.5	202.5	202.5	203.0
27.5°	195.8	196.8	198.4	198.9	199.4	199.9	200.4	200.9	200.9	200.9
30°	192.7	194.3	195.3	196.3	196.8	197.4	197.9	197.9	198.4	198.4
32.5°	189.2	190.7	191.7	192.7	193.3	193.8	194.8	194.8	195.3	195.3
35°	184.5	186.1	187.6	188.6	189.2	189.7	190.7	191.2	191.2	191.2
37.5°	179.9	181.5	183.0	184.5	185.1	185.6	186.6	186.6	187.1	187.1
40°	174.3	175.8	177.4	178.9	178.9	179.9	180.4	180.9	181.5	181.5
42.5°	168.6	170.2	171.2	172.7	173.3	173.8	174.3	175.3	175.3	175.8
45°	162.0	163.5	164.5	166.1	166.6	167.1	168.1	168.6	169.2	169.2
47.5°	154.8	155.8	156.9	158.4	159.4	159.9	160.4	161.0	161.5	161.0
50°	146.6	147.6	149.2	150.7	151.2	151.7	152.8	152.8	153.3	153.3
52.5°	137.9	139.4	140.5	142.0	142.5	143.0	144.0	144.0	144.6	144.6
55°	128.2	129.2	130.2	132.8	133.3	133.8	134.8	134.8	135.3	135.8
57.5°	118.9	119.4	121.0	122.0	123.0	123.0	123.5	124.1	124.6	124.6
60°	109.2	109.7	110.7	112.3	112.3	112.8	113.8	113.8	114.3	114.3
62.5°	98.9	100.0	101.0	102.5	102.0	102.5	103.5	103.5	104.1	104.1
65°	88.7	89.2	90.2	91.2	91.8	91.8	92.3	92.8	93.3	93.3
67.5°	77.9	78.9	79.5	81.0	80.5	81.0	81.5	81.5	82.0	82.0
70°	67.7	68.2	69.2	69.7	69.7	70.2	70.7	70.7	70.7	71.3
72.5°	57.4	57.9	58.4	58.9	58.9	59.5	60.0	60.0	60.5	60.5
75°	46.6	47.7	48.2	49.2	48.7	49.2	50.2	50.2	50.2	50.2
77.5°	37.4	37.9	39.0	39.5	39.5	39.5	40.5	40.0	40.5	40.5
80°	28.2	28.7	29.7	30.2	30.2	30.8	31.3	31.3	31.3	31.8
82.5°	20.0	21.0	22.0	22.6	22.6	23.1	23.6	23.6	24.1	24.1
85°	13.8	14.9	15.9	15.9	16.4	16.9	17.4	17.4	17.4	17.4
87.5°	9.2	9.7	10.3	10.8	11.3	11.3	11.8	11.8	12.3	12.3
90°	5.1	5.6	6.2	6.7	6.7	7.2	7.2	7.7	7.7	7.7
92.5°	7.2	7.2	7.7	8.2	8.2	8.2	8.2	8.7	8.7	8.7
95°	15.4	15.9	15.9	16.9	16.9	16.9	17.4	17.4	17.4	17.4
97.5°	29.7	29.7	29.7	30.8	30.8	30.8	31.3	31.3	31.3	31.8
100°	46.6	47.2	47.2	48.7	48.2	49.2	49.2	49.2	49.2	49.7
102.5°	65.6	66.6	67.2	68.7	68.7	68.7	69.7	69.2	69.7	69.7
105°	86.1	87.1	87.7	89.2	90.2	90.2	91.2	90.7	91.2	91.8
107.5°	106.6	108.2	109.2	110.7	111.7	112.3	112.3	112.8	113.3	113.8
110°	127.6	129.2	131.7	133.3	133.8	134.8	135.3	135.8	136.4	137.4





TEST NUMBER: P395506

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	149.7	151.2	153.3	155.3	154.8	156.3	157.4	157.9	158.4	157.9
115°	169.7	171.7	173.8	175.8	175.8	176.8	178.9	179.4	179.4	180.4
117.5°	188.6	191.2	193.3	195.3	195.8	196.8	198.4	199.9	199.9	200.9
120°	207.1	210.2	212.2	214.3	215.3	215.8	217.3	219.4	219.4	219.4
122.5°	224.5	227.1	229.6	231.7	232.7	233.7	234.8	237.3	237.3	238.4
125°	240.9	244.0	246.6	248.6	249.6	250.7	252.7	254.3	254.8	254.8
127.5°	256.3	259.4	261.9	264.5	265.0	266.0	268.1	270.1	270.7	271.2
130°	270.7	273.7	276.3	278.9	279.9	280.4	283.0	284.5	285.5	286.0
132.5°	283.5	286.5	289.1	291.7	292.7	293.7	295.3	297.8	298.3	298.3
135°	295.3	298.3	300.9	304.0	304.5	305.5	307.6	309.1	310.1	310.6
137.5°	306.0	309.1	312.2	314.7	315.8	316.3	318.3	320.4	321.4	321.9
140°	315.8	318.8	321.9	324.0	324.5	326.0	327.6	329.6	330.6	331.1
142.5°	325.0	327.6	330.1	332.7	333.2	334.2	335.8	337.8	338.8	339.3
145°	333.2	335.8	337.8	339.9	340.4	341.4	342.9	344.5	345.5	346.0
147.5°	340.9	342.9	345.0	346.5	347.0	348.1	349.1	350.1	351.1	351.6
150°	347.5	348.6	350.6	351.6	352.2	353.2	354.2	355.2	356.3	356.8
152.5°	352.7	354.2	355.2	356.8	357.3	357.8	358.8	359.8	360.9	360.9
155°	356.8	358.3	359.3	360.9	361.4	361.9	362.9	363.4	364.5	364.5
157.5°	359.8	361.4	362.4	363.4	364.0	364.5	365.0	366.0	367.0	367.0
160°	363.4	364.0	364.5	365.5	365.5	366.0	366.5	367.0	368.1	368.1
162.5°	366.5	367.0	366.0	366.5	366.0	366.5	367.0	367.5	368.1	368.1
165°	367.5	368.6	368.1	368.6	368.6	368.6	368.6	369.1	369.1	369.1
167.5°	367.5	368.6	368.1	368.1	368.6	368.6	369.1	369.6	369.6	369.6
170°	367.5	368.1	367.5	367.0	367.5	367.5	367.5	368.1	368.1	368.1
172.5°	367.0	367.5	366.5	366.0	366.0	366.0	365.5	365.5	365.0	365.0
175°	366.5	366.5	365.5	365.0	365.0	365.0	364.0	363.4	362.9	362.4
177.5°	366.0	366.0	364.5	364.0	364.0	363.4	363.4	362.4	362.4	361.9
180°	365.0	365.0	365.0	365.0	365.0	365.0	365.0	365.0	365.0	365.0

(END OF REPORT)