

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: P395505

Luminaire Tested: **I3-FL-20L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395505  
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 (3500K)  
Description: CORELITE I3, FROSTED TOP COVER  
2000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1822.3 lumens  
Efficiency: N/A  
Efficacy: 112.5 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

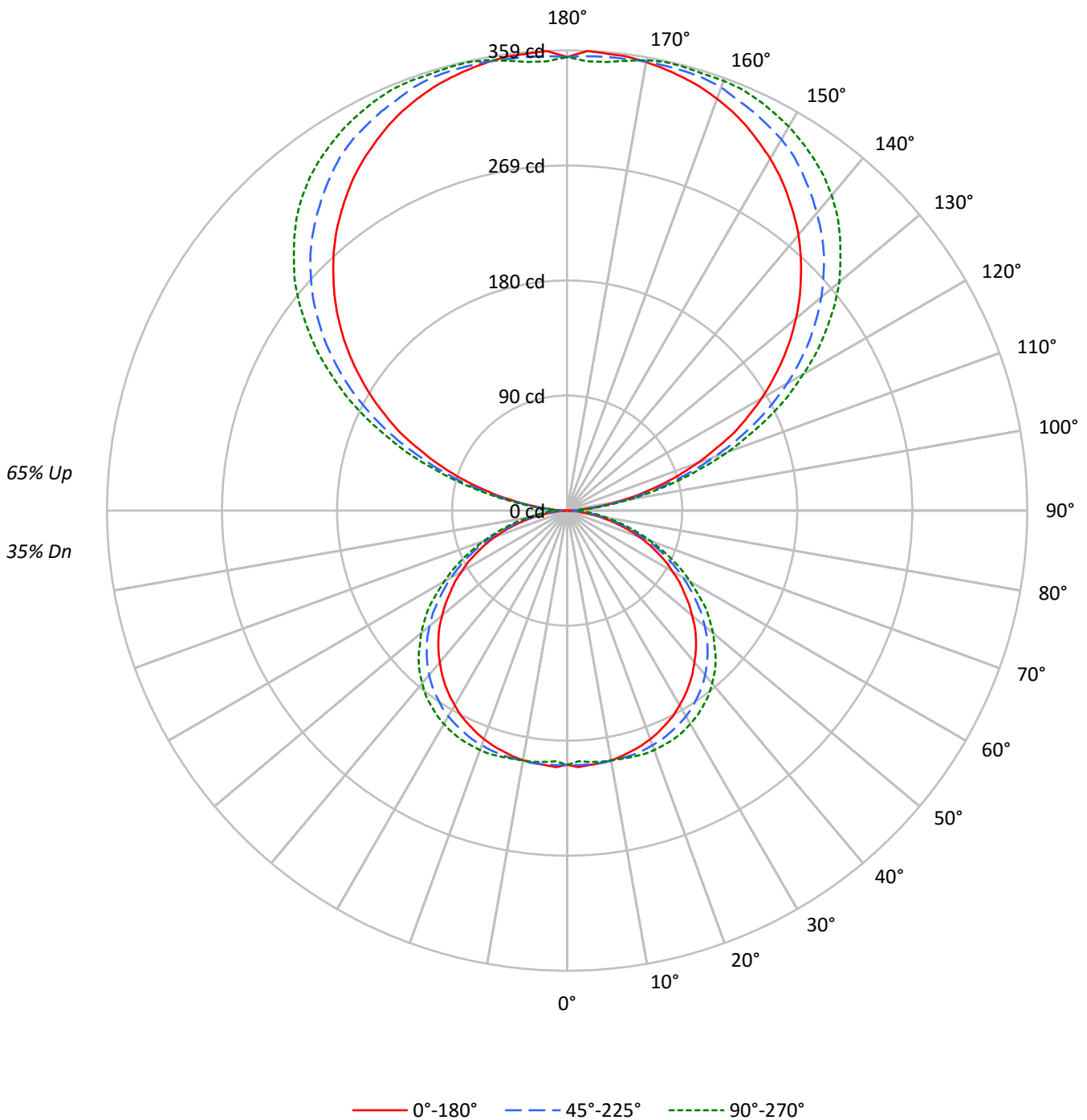
Input Watts (W): 16.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1090	1090	1090
5°	1096	1072	1055
10°	1096	1057	1043
15°	1093	1048	1038
20°	1093	1039	1037
25°	1091	1030	1033
30°	1087	1020	1024
35°	1082	1004	1009
40°	1070	983	986
45°	1059	952	956
50°	1035	910	909
55°	1005	852	855
60°	972	786	772
65°	924	704	686
70°	858	600	580
75°	746	477	461
80°	584	338	337
85°	318	194	222



TEST NUMBER: P395505

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (3500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.9	1.0
10°-20°	55.6	3.1
20°-30°	87.7	4.8
30°-40°	110.2	6.0
40°-50°	118.5	6.5
50°-60°	109.0	6.0
60°-70°	83.5	4.6
70°-80°	47.5	2.6
80°-90°	14.9	0.8
90°-100°	19.9	1.1
100°-110°	86.4	4.7
110°-120°	158.1	8.7
120°-130°	203.8	11.2
130°-140°	216.8	11.9
140°-150°	199.5	10.9
150°-160°	158.1	8.7
160°-170°	100.1	5.5
170°-180°	33.9	1.9
0°-30°	162.2	8.9
0°-40°	272.4	14.9
0°-60°	499.9	27.4
0°-90°	645.8	35.4
90°-120°	264.3	14.5
90°-150°	884.5	48.5
90°-180°	1176.0	64.5
0°-180°	1822.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	198	198	198	198	198	
5°	199	197	199	198	197	19
15°	194	193	197	199	199	55
25°	183	184	191	195	197	85
35°	166	168	177	183	185	104
45°	142	146	155	162	164	109
55°	111	116	123	129	132	100
65°	78	80	85	89	90	77
75°	41	42	45	47	49	43
85°	8	9	12	16	17	9
90°	0	2	4	6	8	1
95°	13	13	14	16	17	17
105°	73	76	82	88	89	78
115°	144	150	162	170	175	141
125°	205	214	231	242	247	183
135°	258	266	283	295	301	199
145°	300	307	320	330	335	188
155°	331	335	343	350	353	153
165°	350	350	355	357	358	99
175°	358	355	355	354	351	34
180°	354	354	354	354	354	



TEST NUMBER: P395505

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	198.3	198.3	198.3	198.3	198.3	198.3	198.3	198.3	198.3	198.3	198.3
2.5°	200.3	199.8	199.3	198.3	198.3	197.8	197.8	197.8	197.8	198.3	198.8
5°	199.3	199.3	198.8	197.8	197.8	197.3	197.3	197.8	197.3	197.8	198.8
7.5°	198.8	198.8	198.3	197.3	197.3	197.3	197.3	197.3	197.3	197.8	198.8
10°	197.8	197.8	196.8	196.3	196.3	196.3	196.3	196.8	196.8	197.3	198.3
12.5°	196.3	195.8	195.3	194.8	194.8	194.8	195.3	195.8	195.8	196.8	197.8
15°	194.3	194.3	193.8	193.3	193.3	193.3	193.8	194.3	194.8	195.8	197.3
17.5°	192.3	192.3	191.8	191.8	191.8	191.8	192.3	192.8	193.8	194.8	196.3
20°	189.8	189.8	189.3	189.3	189.3	189.8	189.8	190.8	191.8	193.3	194.8
22.5°	186.8	186.8	186.8	186.3	186.8	187.3	187.8	188.8	189.8	191.3	193.3
25°	183.4	183.4	183.4	183.4	183.9	183.9	184.9	185.9	186.8	188.8	190.8
27.5°	179.9	179.9	179.9	179.4	180.4	180.9	181.4	182.9	183.9	186.3	188.3
30°	175.4	175.4	175.4	175.9	176.4	176.9	177.9	179.4	180.4	182.9	185.4
32.5°	170.9	170.9	170.9	170.9	172.4	172.9	173.4	174.9	176.9	179.4	181.9
35°	166.0	166.0	166.0	166.5	167.5	168.0	169.0	170.4	172.4	174.9	177.4
37.5°	160.5	161.0	161.0	161.5	162.5	163.5	164.5	166.0	168.0	170.4	172.9
40°	154.5	155.0	155.0	155.5	156.5	157.5	158.5	160.5	162.5	165.0	167.5
42.5°	148.6	149.1	149.1	150.1	151.1	152.1	153.1	155.0	157.0	159.5	161.5
45°	142.1	142.6	142.6	143.6	145.1	145.6	147.1	149.1	151.1	153.1	155.0
47.5°	135.2	135.7	135.7	136.7	138.1	139.1	140.1	142.1	143.6	146.1	148.1
50°	127.2	127.7	128.2	129.2	131.2	132.2	133.2	134.7	136.7	138.1	140.1
52.5°	119.8	119.8	120.3	121.3	122.7	123.7	124.2	125.7	128.2	130.2	132.2
55°	111.3	111.8	112.3	113.3	114.8	115.8	116.3	117.8	119.3	120.8	122.7
57.5°	103.9	103.9	104.4	105.3	106.8	107.3	107.8	108.8	110.8	112.3	113.8
60°	94.9	95.4	95.9	96.9	97.9	98.9	98.9	100.4	101.9	103.4	104.4
62.5°	87.0	87.0	87.5	88.5	89.0	89.9	89.9	91.4	92.4	93.9	94.9
65°	77.5	78.0	78.5	79.0	80.0	80.0	80.5	81.5	82.5	83.5	85.0
67.5°	69.1	69.1	69.6	70.1	70.6	70.6	71.1	72.1	73.0	74.0	75.0
70°	59.6	60.1	60.1	60.1	60.6	61.1	61.6	62.1	63.1	63.6	64.6
72.5°	50.2	50.2	50.7	50.7	51.2	51.7	52.2	52.7	53.2	54.2	54.7
75°	40.7	40.7	41.2	41.2	41.7	41.7	41.7	42.7	43.2	44.2	44.7
77.5°	31.3	31.8	31.8	31.8	32.3	32.8	32.8	33.3	34.3	34.8	35.3
80°	22.9	22.9	22.9	22.9	23.4	23.9	24.3	24.3	25.3	26.3	26.8
82.5°	14.4	14.4	14.9	15.4	15.4	15.9	16.4	16.9	17.9	18.4	18.9
85°	7.5	7.5	8.0	8.4	8.9	9.4	9.4	9.9	10.9	11.9	12.4
87.5°	2.5	3.0	3.0	3.5	4.0	4.5	5.0	5.5	6.5	7.5	8.0
90°	0.5	0.5	0.5	1.0	1.5	1.5	2.0	2.5	3.0	3.5	4.5
92.5°	4.5	4.5	4.0	4.5	4.5	4.5	4.5	5.0	5.5	5.5	6.5
95°	13.4	12.9	12.9	12.9	12.9	12.9	12.9	13.4	13.9	13.9	14.4
97.5°	25.8	25.8	25.3	25.3	25.8	25.8	25.8	26.3	27.3	26.8	27.8
100°	40.3	40.3	39.8	40.3	40.7	41.2	42.2	42.2	43.2	43.2	44.7
102.5°	56.7	56.7	56.2	57.1	57.6	58.6	58.6	59.6	61.1	61.1	63.1
105°	73.0	73.5	73.5	74.5	75.5	76.5	76.5	78.0	80.0	80.0	82.5
107.5°	90.9	91.4	91.4	92.4	93.4	94.4	94.9	96.9	98.9	99.4	102.4
110°	108.3	108.8	109.3	110.3	111.3	112.8	113.8	115.8	118.3	119.3	121.7



TEST NUMBER: P395505

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	124.7	126.7	127.2	128.7	130.2	131.7	132.7	135.2	138.1	139.6	142.6
115°	143.6	144.6	145.1	146.6	148.6	150.1	151.1	153.6	156.5	158.5	162.0
117.5°	159.0	161.5	162.0	163.5	165.5	167.0	168.0	170.9	174.4	176.9	180.4
120°	175.4	177.4	179.4	180.4	181.9	183.9	184.9	187.8	191.8	194.3	198.3
122.5°	190.3	192.3	194.3	195.8	197.8	198.8	200.3	203.7	207.7	210.7	214.7
125°	205.2	207.7	209.2	210.7	213.2	214.2	215.7	219.1	223.1	226.6	230.6
127.5°	219.6	221.1	223.6	224.6	227.1	228.1	229.6	233.6	237.5	241.0	245.0
130°	233.1	235.0	237.0	237.5	240.5	242.0	243.5	247.0	251.4	254.9	258.9
132.5°	246.0	247.0	249.5	251.0	253.4	254.9	256.4	259.4	263.9	267.3	271.3
135°	257.9	258.9	261.9	263.4	264.9	266.4	268.3	271.3	275.8	279.3	283.3
137.5°	269.8	270.8	273.8	275.3	276.3	277.8	279.3	282.3	286.7	290.2	293.7
140°	280.8	281.8	283.7	285.7	286.7	287.7	289.2	292.2	296.2	299.6	303.1
142.5°	290.7	291.7	293.7	295.7	297.2	297.2	298.7	301.1	305.6	309.1	312.1
145°	300.1	300.6	302.6	304.6	306.6	306.6	307.1	309.6	313.6	317.5	320.5
147.5°	309.1	309.6	311.1	313.1	314.6	315.1	316.0	317.0	321.0	325.0	328.5
150°	317.0	317.5	318.5	320.5	321.5	322.5	323.5	324.0	327.0	330.5	334.4
152.5°	324.0	324.5	325.5	327.0	328.0	329.0	330.0	331.5	332.9	336.4	338.9
155°	331.0	331.5	332.0	333.4	334.4	334.9	335.4	337.4	338.9	340.9	343.4
157.5°	336.9	336.9	337.4	338.4	339.4	339.4	339.9	341.9	343.4	345.4	346.9
160°	341.9	341.9	342.4	343.4	343.4	343.9	344.4	345.9	346.9	349.3	351.3
162.5°	346.4	345.9	346.4	346.9	346.9	346.9	347.4	348.3	349.8	351.8	353.8
165°	349.8	349.8	349.8	350.3	350.3	349.8	349.8	350.8	351.8	353.3	354.8
167.5°	352.8	352.8	352.3	352.8	352.3	352.3	351.8	352.3	352.8	354.3	355.3
170°	355.3	354.8	354.8	354.8	354.3	353.8	353.8	353.8	353.8	354.8	355.8
172.5°	357.3	356.8	356.3	356.3	355.3	354.8	354.8	354.3	354.3	354.8	355.3
175°	357.8	357.3	356.8	356.8	355.8	355.3	354.8	354.8	354.3	354.8	355.3
177.5°	358.8	358.3	357.3	357.3	356.3	355.3	355.3	354.8	354.3	354.8	354.8
180°	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	198.3	198.3	198.3	198.3	198.3	198.3	198.3	198.3	198.3	198.3
2.5°	199.3	199.3	198.8	198.3	198.3	197.8	197.3	196.8	196.3	195.8
5°	199.3	198.8	198.3	198.3	197.8	197.8	197.8	197.3	196.8	196.8
7.5°	199.3	199.3	198.8	198.3	198.3	198.3	198.3	198.3	197.8	197.8
10°	199.3	198.8	198.8	198.8	198.3	198.8	198.8	198.3	198.3	197.8
12.5°	198.8	198.8	198.8	198.8	198.8	198.8	198.8	198.8	198.8	198.3
15°	197.8	198.3	198.3	198.8	198.8	198.8	199.3	199.3	198.8	198.8
17.5°	197.3	197.8	198.3	198.8	198.8	198.8	199.3	199.3	199.3	199.3
20°	196.3	196.8	197.3	197.8	197.8	198.3	198.3	198.8	198.8	198.8
22.5°	194.3	194.8	195.8	196.3	196.8	197.3	197.8	197.8	197.8	197.8
25°	192.3	193.3	193.8	194.8	195.3	195.8	196.3	196.3	196.3	196.8
27.5°	189.8	190.8	192.3	192.8	193.3	193.8	194.3	194.8	194.8	194.8
30°	186.8	188.3	189.3	190.3	190.8	191.3	191.8	191.8	192.3	192.3
32.5°	183.4	184.9	185.9	186.8	187.3	187.8	188.8	188.8	189.3	189.3
35°	178.9	180.4	181.9	182.9	183.4	183.9	184.9	185.4	185.4	185.4
37.5°	174.4	175.9	177.4	178.9	179.4	179.9	180.9	180.9	181.4	181.4
40°	169.0	170.4	171.9	173.4	173.4	174.4	174.9	175.4	175.9	175.9
42.5°	163.5	165.0	166.0	167.5	168.0	168.5	169.0	170.0	170.0	170.4
45°	157.0	158.5	159.5	161.0	161.5	162.0	163.0	163.5	164.0	164.0
47.5°	150.1	151.1	152.1	153.6	154.5	155.0	155.5	156.0	156.5	156.0
50°	142.1	143.1	144.6	146.1	146.6	147.1	148.1	148.1	148.6	148.6
52.5°	133.7	135.2	136.2	137.7	138.1	138.6	139.6	139.6	140.1	140.1
55°	124.2	125.2	126.2	128.7	129.2	129.7	130.7	130.7	131.2	131.7
57.5°	115.3	115.8	117.3	118.3	119.3	119.3	119.8	120.3	120.8	120.8
60°	105.8	106.3	107.3	108.8	108.8	109.3	110.3	110.3	110.8	110.8
62.5°	95.9	96.9	97.9	99.4	98.9	99.4	100.4	100.4	100.9	100.9
65°	86.0	86.5	87.5	88.5	89.0	89.0	89.4	89.9	90.4	90.4
67.5°	75.5	76.5	77.0	78.5	78.0	78.5	79.0	79.0	79.5	79.5
70°	65.6	66.1	67.1	67.6	67.6	68.1	68.6	68.6	68.6	69.1
72.5°	55.7	56.2	56.7	57.1	57.1	57.6	58.1	58.1	58.6	58.6
75°	45.2	46.2	46.7	47.7	47.2	47.7	48.7	48.7	48.7	48.7
77.5°	36.3	36.8	37.8	38.3	38.3	38.3	39.3	38.8	39.3	39.3
80°	27.3	27.8	28.8	29.3	29.3	29.8	30.3	30.3	30.3	30.8
82.5°	19.4	20.4	21.4	21.9	21.9	22.4	22.9	22.9	23.4	23.4
85°	13.4	14.4	15.4	15.4	15.9	16.4	16.9	16.9	16.9	16.9
87.5°	8.9	9.4	9.9	10.4	10.9	10.9	11.4	11.4	11.9	11.9
90°	5.0	5.5	6.0	6.5	6.5	7.0	7.0	7.5	7.5	7.5
92.5°	7.0	7.0	7.5	8.0	8.0	8.0	8.0	8.4	8.4	8.4
95°	14.9	15.4	15.4	16.4	16.4	16.4	16.9	16.9	16.9	16.9
97.5°	28.8	28.8	28.8	29.8	29.8	29.8	30.3	30.3	30.3	30.8
100°	45.2	45.7	45.7	47.2	46.7	47.7	47.7	47.7	47.7	48.2
102.5°	63.6	64.6	65.1	66.6	66.6	66.6	67.6	67.1	67.6	67.6
105°	83.5	84.5	85.0	86.5	87.5	87.5	88.5	88.0	88.5	89.0
107.5°	103.4	104.9	105.8	107.3	108.3	108.8	108.8	109.3	109.8	110.3
110°	123.7	125.2	127.7	129.2	129.7	130.7	131.2	131.7	132.2	133.2





TEST NUMBER: P395505

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	145.1	146.6	148.6	150.6	150.1	151.6	152.6	153.1	153.6	153.1
115°	164.5	166.5	168.5	170.4	170.4	171.4	173.4	173.9	173.9	174.9
117.5°	182.9	185.4	187.3	189.3	189.8	190.8	192.3	193.8	193.8	194.8
120°	200.8	203.7	205.7	207.7	208.7	209.2	210.7	212.7	212.7	212.7
122.5°	217.7	220.1	222.6	224.6	225.6	226.6	227.6	230.1	230.1	231.1
125°	233.6	236.5	239.0	241.0	242.0	243.0	245.0	246.5	247.0	247.0
127.5°	248.5	251.4	253.9	256.4	256.9	257.9	259.9	261.9	262.4	262.9
130°	262.4	265.4	267.8	270.3	271.3	271.8	274.3	275.8	276.8	277.3
132.5°	274.8	277.8	280.3	282.8	283.7	284.7	286.2	288.7	289.2	289.2
135°	286.2	289.2	291.7	294.7	295.2	296.2	298.2	299.6	300.6	301.1
137.5°	296.7	299.6	302.6	305.1	306.1	306.6	308.6	310.6	311.6	312.1
140°	306.1	309.1	312.1	314.1	314.6	316.0	317.5	319.5	320.5	321.0
142.5°	315.1	317.5	320.0	322.5	323.0	324.0	325.5	327.5	328.5	329.0
145°	323.0	325.5	327.5	329.5	330.0	331.0	332.4	333.9	334.9	335.4
147.5°	330.5	332.4	334.4	335.9	336.4	337.4	338.4	339.4	340.4	340.9
150°	336.9	337.9	339.9	340.9	341.4	342.4	343.4	344.4	345.4	345.9
152.5°	341.9	343.4	344.4	345.9	346.4	346.9	347.9	348.8	349.8	349.8
155°	345.9	347.4	348.3	349.8	350.3	350.8	351.8	352.3	353.3	353.3
157.5°	348.8	350.3	351.3	352.3	352.8	353.3	353.8	354.8	355.8	355.8
160°	352.3	352.8	353.3	354.3	354.3	354.8	355.3	355.8	356.8	356.8
162.5°	355.3	355.8	354.8	355.3	354.8	355.3	355.8	356.3	356.8	356.8
165°	356.3	357.3	356.8	357.3	357.3	357.3	357.3	357.8	357.8	357.8
167.5°	356.3	357.3	356.8	356.8	357.3	357.3	357.8	358.3	358.3	358.3
170°	356.3	356.8	356.3	355.8	356.3	356.3	356.3	356.8	356.8	356.8
172.5°	355.8	356.3	355.3	354.8	354.8	354.8	354.3	354.3	353.8	353.8
175°	355.3	355.3	354.3	353.8	353.8	353.8	352.8	352.3	351.8	351.3
177.5°	354.8	354.8	353.3	352.8	352.8	352.3	352.3	351.3	351.3	350.8
180°	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8

(END OF REPORT)