

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: P395509

Luminaire Tested: **I3-FL-20L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395509  
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 (5700K)  
Description: CORELITE I3, FROSTED TOP COVER  
2000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2007.5 lumens  
Efficiency: N/A  
Efficacy: 120.2 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

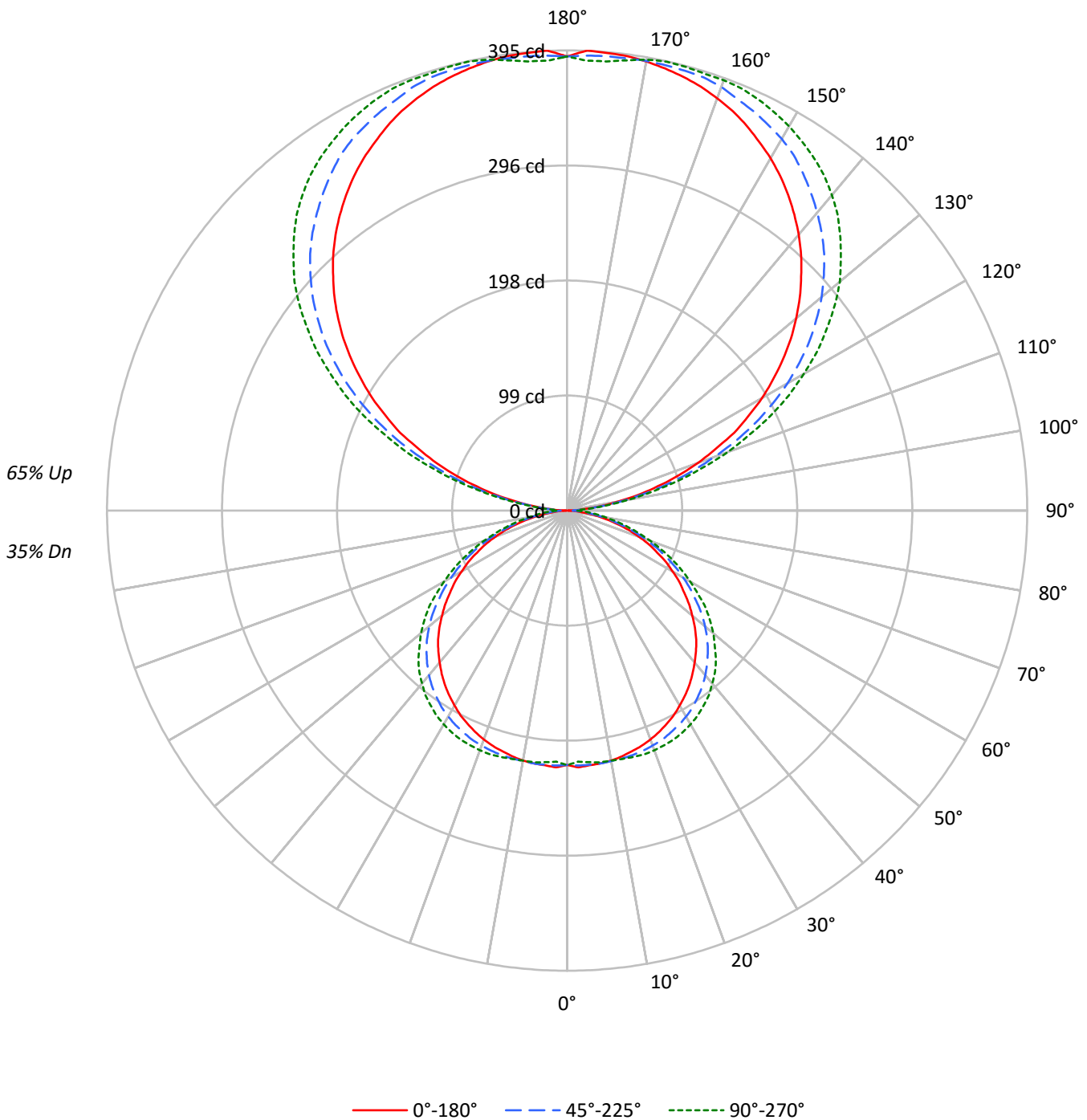
Input Watts (W): 16.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	1200	1200	1200
5°	1207	1181	1162
10°	1207	1164	1149
15°	1204	1154	1144
20°	1204	1145	1142
25°	1201	1134	1138
30°	1197	1124	1128
35°	1191	1105	1111
40°	1180	1082	1087
45°	1168	1049	1053
50°	1140	1003	1002
55°	1108	939	942
60°	1071	866	851
65°	1018	775	755
70°	945	661	638
75°	823	526	507
80°	643	374	371
85°	348	214	244



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.8	1.0
10°-20°	61.3	3.1
20°-30°	96.6	4.8
30°-40°	121.4	6.0
40°-50°	130.5	6.5
50°-60°	120.1	6.0
60°-70°	92.0	4.6
70°-80°	52.4	2.6
80°-90°	16.4	0.8
90°-100°	21.9	1.1
100°-110°	95.1	4.7
110°-120°	174.2	8.7
120°-130°	224.5	11.2
130°-140°	238.9	11.9
140°-150°	219.8	10.9
150°-160°	174.1	8.7
160°-170°	110.3	5.5
170°-180°	37.3	1.9
0°-30°	178.7	8.9
0°-40°	300.1	14.9
0°-60°	550.7	27.4
0°-90°	711.4	35.4
90°-120°	291.2	14.5
90°-150°	974.4	48.5
90°-180°	1296.0	64.6
0°-180°	2007.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	218	218	218	218	218	
5°	220	217	219	218	217	21
15°	214	213	217	219	219	61
25°	202	203	210	215	217	93
35°	183	185	195	202	204	114
45°	157	160	171	178	181	121
55°	123	128	135	142	145	110
65°	85	88	94	98	100	85
75°	45	46	49	52	54	47
85°	8	10	14	18	19	10
90°	0	2	5	7	8	1
95°	15	14	16	18	19	18
105°	80	84	91	96	98	86
115°	158	165	178	188	193	155
125°	226	236	254	267	272	202
135°	284	293	312	325	332	219
145°	331	338	353	364	370	207
155°	365	369	378	386	389	168
165°	385	385	391	394	394	109
175°	394	391	391	390	387	38
180°	390	390	390	390	390	



TEST NUMBER: P395509

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (5700K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	218.4	218.4	218.4	218.4	218.4	218.4	218.4	218.4	218.4	218.4	218.4
2.5°	220.6	220.1	219.5	218.4	218.4	217.9	217.9	217.9	217.9	218.4	219.0
5°	219.5	219.5	219.0	217.9	217.9	217.3	217.3	217.9	217.3	217.9	219.0
7.5°	219.0	219.0	218.4	217.3	217.3	217.3	217.3	217.3	217.3	217.9	219.0
10°	217.9	217.9	216.8	216.2	216.2	216.2	216.2	216.8	216.8	217.3	218.4
12.5°	216.2	215.7	215.1	214.6	214.6	214.6	215.1	215.7	215.7	216.8	217.9
15°	214.0	214.0	213.5	213.0	213.0	213.0	213.5	214.0	214.6	215.7	217.3
17.5°	211.9	211.9	211.3	211.3	211.3	211.3	211.9	212.4	213.5	214.6	216.2
20°	209.1	209.1	208.6	208.6	208.6	209.1	209.1	210.2	211.3	213.0	214.6
22.5°	205.8	205.8	205.8	205.3	205.8	206.4	206.9	208.0	209.1	210.8	213.0
25°	202.0	202.0	202.0	202.0	202.6	202.6	203.6	204.7	205.8	208.0	210.2
27.5°	198.2	198.2	198.2	197.6	198.7	199.3	199.8	201.5	202.6	205.3	207.5
30°	193.2	193.2	193.2	193.8	194.3	194.9	196.0	197.6	198.7	201.5	204.2
32.5°	188.3	188.3	188.3	188.3	190.0	190.5	191.1	192.7	194.9	197.6	200.4
35°	182.8	182.8	182.8	183.4	184.5	185.0	186.1	187.8	190.0	192.7	195.4
37.5°	176.8	177.4	177.4	177.9	179.0	180.1	181.2	182.8	185.0	187.8	190.5
40°	170.3	170.8	170.8	171.3	172.4	173.5	174.6	176.8	179.0	181.7	184.5
42.5°	163.7	164.2	164.2	165.3	166.4	167.5	168.6	170.8	173.0	175.7	177.9
45°	156.6	157.1	157.1	158.2	159.9	160.4	162.0	164.2	166.4	168.6	170.8
47.5°	148.9	149.5	149.5	150.5	152.2	153.3	154.4	156.6	158.2	160.9	163.1
50°	140.1	140.7	141.2	142.3	144.5	145.6	146.7	148.4	150.5	152.2	154.4
52.5°	131.9	131.9	132.5	133.6	135.2	136.3	136.9	138.5	141.2	143.4	145.6
55°	122.6	123.2	123.7	124.8	126.5	127.6	128.1	129.7	131.4	133.0	135.2
57.5°	114.4	114.4	115.0	116.1	117.7	118.2	118.8	119.9	122.1	123.7	125.4
60°	104.6	105.1	105.7	106.8	107.8	108.9	108.9	110.6	112.2	113.9	115.0
62.5°	95.8	95.8	96.3	97.4	98.0	99.1	99.1	100.7	101.8	103.5	104.6
65°	85.4	85.9	86.5	87.0	88.1	88.1	88.7	89.8	90.9	92.0	93.6
67.5°	76.1	76.1	76.6	77.2	77.7	77.7	78.3	79.4	80.5	81.6	82.7
70°	65.7	66.2	66.2	66.2	66.8	67.3	67.9	68.4	69.5	70.1	71.2
72.5°	55.3	55.3	55.8	55.8	56.4	56.9	57.5	58.0	58.6	59.7	60.2
75°	44.9	44.9	45.4	45.4	46.0	46.0	46.0	47.1	47.6	48.7	49.3
77.5°	34.5	35.0	35.0	35.0	35.6	36.1	36.1	36.7	37.8	38.3	38.9
80°	25.2	25.2	25.2	25.2	25.7	26.3	26.8	26.8	27.9	29.0	29.6
82.5°	15.9	15.9	16.4	17.0	17.0	17.5	18.1	18.6	19.7	20.3	20.8
85°	8.2	8.2	8.8	9.3	9.9	10.4	10.4	10.9	12.0	13.1	13.7
87.5°	2.7	3.3	3.3	3.8	4.4	4.9	5.5	6.0	7.1	8.2	8.8
90°	0.5	0.5	0.5	1.1	1.6	1.6	2.2	2.7	3.3	3.8	4.9
92.5°	4.9	4.9	4.4	4.9	4.9	4.9	4.9	5.5	6.0	6.0	7.1
95°	14.8	14.2	14.2	14.2	14.2	14.2	14.2	14.8	15.3	15.3	15.9
97.5°	28.5	28.5	27.9	27.9	28.5	28.5	28.5	29.0	30.1	29.6	30.7
100°	44.3	44.3	43.8	44.3	44.9	45.4	46.5	46.5	47.6	47.6	49.3
102.5°	62.4	62.4	61.9	63.0	63.5	64.6	64.6	65.7	67.3	67.3	69.5
105°	80.5	81.0	81.0	82.1	83.2	84.3	84.3	85.9	88.1	88.1	90.9
107.5°	100.2	100.7	100.7	101.8	102.9	104.0	104.6	106.8	108.9	109.5	112.8
110°	119.3	119.9	120.4	121.5	122.6	124.3	125.4	127.6	130.3	131.4	134.1



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CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (5700K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	137.4	139.6	140.1	141.8	143.4	145.1	146.2	148.9	152.2	153.8	157.1
115°	158.2	159.3	159.9	161.5	163.7	165.3	166.4	169.2	172.4	174.6	178.5
117.5°	175.2	177.9	178.5	180.1	182.3	183.9	185.0	188.3	192.2	194.9	198.7
120°	193.2	195.4	197.6	198.7	200.4	202.6	203.6	206.9	211.3	214.0	218.4
122.5°	209.7	211.9	214.0	215.7	217.9	219.0	220.6	224.4	228.8	232.1	236.5
125°	226.1	228.8	230.5	232.1	234.9	235.9	237.6	241.4	245.8	249.6	254.0
127.5°	242.0	243.6	246.3	247.4	250.2	251.3	252.9	257.3	261.7	265.5	269.9
130°	256.7	258.9	261.1	261.7	265.0	266.6	268.2	272.1	277.0	280.8	285.2
132.5°	271.0	272.1	274.8	276.5	279.2	280.8	282.5	285.8	290.7	294.5	298.9
135°	284.1	285.2	288.5	290.1	291.8	293.4	295.6	298.9	303.8	307.7	312.0
137.5°	297.3	298.4	301.6	303.3	304.4	306.0	307.7	310.9	315.9	319.7	323.5
140°	309.3	310.4	312.6	314.8	315.9	317.0	318.6	321.9	326.3	330.1	333.9
142.5°	320.3	321.3	323.5	325.7	327.4	327.4	329.0	331.7	336.7	340.5	343.8
145°	330.7	331.2	333.4	335.6	337.8	337.8	338.3	341.1	345.4	349.8	353.1
147.5°	340.5	341.1	342.7	344.9	346.5	347.1	348.2	349.3	353.6	358.0	361.9
150°	349.3	349.8	350.9	353.1	354.2	355.3	356.4	356.9	360.2	364.0	368.4
152.5°	356.9	357.5	358.6	360.2	361.3	362.4	363.5	365.1	366.8	370.6	373.4
155°	364.6	365.1	365.7	367.3	368.4	369.0	369.5	371.7	373.4	375.5	378.3
157.5°	371.2	371.2	371.7	372.8	373.9	373.9	374.4	376.6	378.3	380.5	382.1
160°	376.6	376.6	377.2	378.3	378.3	378.8	379.4	381.0	382.1	384.8	387.0
162.5°	381.6	381.0	381.6	382.1	382.1	382.1	382.7	383.8	385.4	387.6	389.8
165°	385.4	385.4	385.4	385.9	385.9	385.4	385.4	386.5	387.6	389.2	390.9
167.5°	388.7	388.7	388.1	388.7	388.1	388.1	387.6	388.1	388.7	390.3	391.4
170°	391.4	390.9	390.9	390.9	390.3	389.8	389.8	389.8	389.8	390.9	392.0
172.5°	393.6	393.1	392.5	392.5	391.4	390.9	390.9	390.3	390.3	390.9	391.4
175°	394.2	393.6	393.1	393.1	392.0	391.4	390.9	390.9	390.3	390.9	391.4
177.5°	395.3	394.7	393.6	393.6	392.5	391.4	391.4	390.9	390.3	390.9	390.9
180°	389.8	389.8	389.8	389.8	389.8	389.8	389.8	389.8	389.8	389.8	389.8



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	218.4	218.4	218.4	218.4	218.4	218.4	218.4	218.4	218.4	218.4
2.5°	219.5	219.5	219.0	218.4	218.4	217.9	217.3	216.8	216.2	215.7
5°	219.5	219.0	218.4	218.4	217.9	217.9	217.9	217.3	216.8	216.8
7.5°	219.5	219.5	219.0	218.4	218.4	218.4	218.4	218.4	217.9	217.9
10°	219.5	219.0	219.0	219.0	218.4	219.0	219.0	218.4	218.4	217.9
12.5°	219.0	219.0	219.0	219.0	219.0	219.0	219.0	219.0	219.0	218.4
15°	217.9	218.4	218.4	219.0	219.0	219.0	219.5	219.5	219.0	219.0
17.5°	217.3	217.9	218.4	219.0	219.0	219.0	219.5	219.5	219.5	219.5
20°	216.2	216.8	217.3	217.9	217.9	218.4	218.4	219.0	219.0	219.0
22.5°	214.0	214.6	215.7	216.2	216.8	217.3	217.9	217.9	217.9	217.9
25°	211.9	213.0	213.5	214.6	215.1	215.7	216.2	216.2	216.2	216.8
27.5°	209.1	210.2	211.9	212.4	213.0	213.5	214.0	214.6	214.6	214.6
30°	205.8	207.5	208.6	209.7	210.2	210.8	211.3	211.3	211.9	211.9
32.5°	202.0	203.6	204.7	205.8	206.4	206.9	208.0	208.0	208.6	208.6
35°	197.1	198.7	200.4	201.5	202.0	202.6	203.6	204.2	204.2	204.2
37.5°	192.2	193.8	195.4	197.1	197.6	198.2	199.3	199.3	199.8	199.8
40°	186.1	187.8	189.4	191.1	191.1	192.2	192.7	193.2	193.8	193.8
42.5°	180.1	181.7	182.8	184.5	185.0	185.6	186.1	187.2	187.2	187.8
45°	173.0	174.6	175.7	177.4	177.9	178.5	179.6	180.1	180.7	180.7
47.5°	165.3	166.4	167.5	169.2	170.3	170.8	171.3	171.9	172.4	171.9
50°	156.6	157.7	159.3	160.9	161.5	162.0	163.1	163.1	163.7	163.7
52.5°	147.3	148.9	150.0	151.6	152.2	152.7	153.8	153.8	154.4	154.4
55°	136.9	138.0	139.0	141.8	142.3	142.9	144.0	144.0	144.5	145.1
57.5°	127.0	127.6	129.2	130.3	131.4	131.4	131.9	132.5	133.0	133.0
60°	116.6	117.2	118.2	119.9	119.9	120.4	121.5	121.5	122.1	122.1
62.5°	105.7	106.8	107.8	109.5	108.9	109.5	110.6	110.6	111.1	111.1
65°	94.7	95.3	96.3	97.4	98.0	98.0	98.5	99.1	99.6	99.6
67.5°	83.2	84.3	84.9	86.5	85.9	86.5	87.0	87.0	87.6	87.6
70°	72.3	72.8	73.9	74.5	74.5	75.0	75.5	75.5	75.5	76.1
72.5°	61.3	61.9	62.4	63.0	63.0	63.5	64.1	64.1	64.6	64.6
75°	49.8	50.9	51.5	52.6	52.0	52.6	53.6	53.6	53.6	53.6
77.5°	40.0	40.5	41.6	42.2	42.2	42.2	43.2	42.7	43.2	43.2
80°	30.1	30.7	31.8	32.3	32.3	32.8	33.4	33.4	33.4	33.9
82.5°	21.4	22.4	23.5	24.1	24.1	24.6	25.2	25.2	25.7	25.7
85°	14.8	15.9	17.0	17.0	17.5	18.1	18.6	18.6	18.6	18.6
87.5°	9.9	10.4	10.9	11.5	12.0	12.0	12.6	12.6	13.1	13.1
90°	5.5	6.0	6.6	7.1	7.1	7.7	7.7	8.2	8.2	8.2
92.5°	7.7	7.7	8.2	8.8	8.8	8.8	8.8	9.3	9.3	9.3
95°	16.4	17.0	17.0	18.1	18.1	18.1	18.6	18.6	18.6	18.6
97.5°	31.8	31.8	31.8	32.8	32.8	32.8	33.4	33.4	33.4	33.9
100°	49.8	50.4	50.4	52.0	51.5	52.6	52.6	52.6	52.6	53.1
102.5°	70.1	71.2	71.7	73.4	73.4	73.4	74.5	73.9	74.5	74.5
105°	92.0	93.1	93.6	95.3	96.3	96.3	97.4	96.9	97.4	98.0
107.5°	113.9	115.5	116.6	118.2	119.3	119.9	119.9	120.4	121.0	121.5
110°	136.3	138.0	140.7	142.3	142.9	144.0	144.5	145.1	145.6	146.7





TEST NUMBER: P395509

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (5700K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	159.9	161.5	163.7	165.9	165.3	167.0	168.1	168.6	169.2	168.6
115°	181.2	183.4	185.6	187.8	187.8	188.9	191.1	191.6	191.6	192.7
117.5°	201.5	204.2	206.4	208.6	209.1	210.2	211.9	213.5	213.5	214.6
120°	221.2	224.4	226.6	228.8	229.9	230.5	232.1	234.3	234.3	234.3
122.5°	239.8	242.5	245.3	247.4	248.5	249.6	250.7	253.5	253.5	254.6
125°	257.3	260.6	263.3	265.5	266.6	267.7	269.9	271.5	272.1	272.1
127.5°	273.7	277.0	279.7	282.5	283.0	284.1	286.3	288.5	289.0	289.6
130°	289.0	292.3	295.1	297.8	298.9	299.4	302.2	303.8	304.9	305.5
132.5°	302.7	306.0	308.8	311.5	312.6	313.7	315.3	318.1	318.6	318.6
135°	315.3	318.6	321.3	324.6	325.2	326.3	328.5	330.1	331.2	331.7
137.5°	326.8	330.1	333.4	336.1	337.2	337.8	340.0	342.1	343.2	343.8
140°	337.2	340.5	343.8	346.0	346.5	348.2	349.8	352.0	353.1	353.6
142.5°	347.1	349.8	352.5	355.3	355.8	356.9	358.6	360.8	361.9	362.4
145°	355.8	358.6	360.8	363.0	363.5	364.6	366.2	367.9	369.0	369.5
147.5°	364.0	366.2	368.4	370.1	370.6	371.7	372.8	373.9	375.0	375.5
150°	371.2	372.3	374.4	375.5	376.1	377.2	378.3	379.4	380.5	381.0
152.5°	376.6	378.3	379.4	381.0	381.6	382.1	383.2	384.3	385.4	385.4
155°	381.0	382.7	383.8	385.4	385.9	386.5	387.6	388.1	389.2	389.2
157.5°	384.3	385.9	387.0	388.1	388.7	389.2	389.8	390.9	392.0	392.0
160°	388.1	388.7	389.2	390.3	390.3	390.9	391.4	392.0	393.1	393.1
162.5°	391.4	392.0	390.9	391.4	390.9	391.4	392.0	392.5	393.1	393.1
165°	392.5	393.6	393.1	393.6	393.6	393.6	393.6	394.2	394.2	394.2
167.5°	392.5	393.6	393.1	393.1	393.6	393.6	394.2	394.7	394.7	394.7
170°	392.5	393.1	392.5	392.0	392.5	392.5	392.5	393.1	393.1	393.1
172.5°	392.0	392.5	391.4	390.9	390.9	390.9	390.3	390.3	389.8	389.8
175°	391.4	391.4	390.3	389.8	389.8	389.8	388.7	388.1	387.6	387.0
177.5°	390.9	390.9	389.2	388.7	388.7	388.1	388.1	387.0	387.0	386.5
180°	389.8	389.8	389.8	389.8	389.8	389.8	389.8	389.8	389.8	389.8

(END OF REPORT)