

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: P395510

Luminaire Tested: **I3-FL-20L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395510
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 (6500K)
Description: CORELITE I3, FROSTED TOP COVER
2000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2020.3 lumens
Efficiency: N/A
Efficacy: 118.8 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

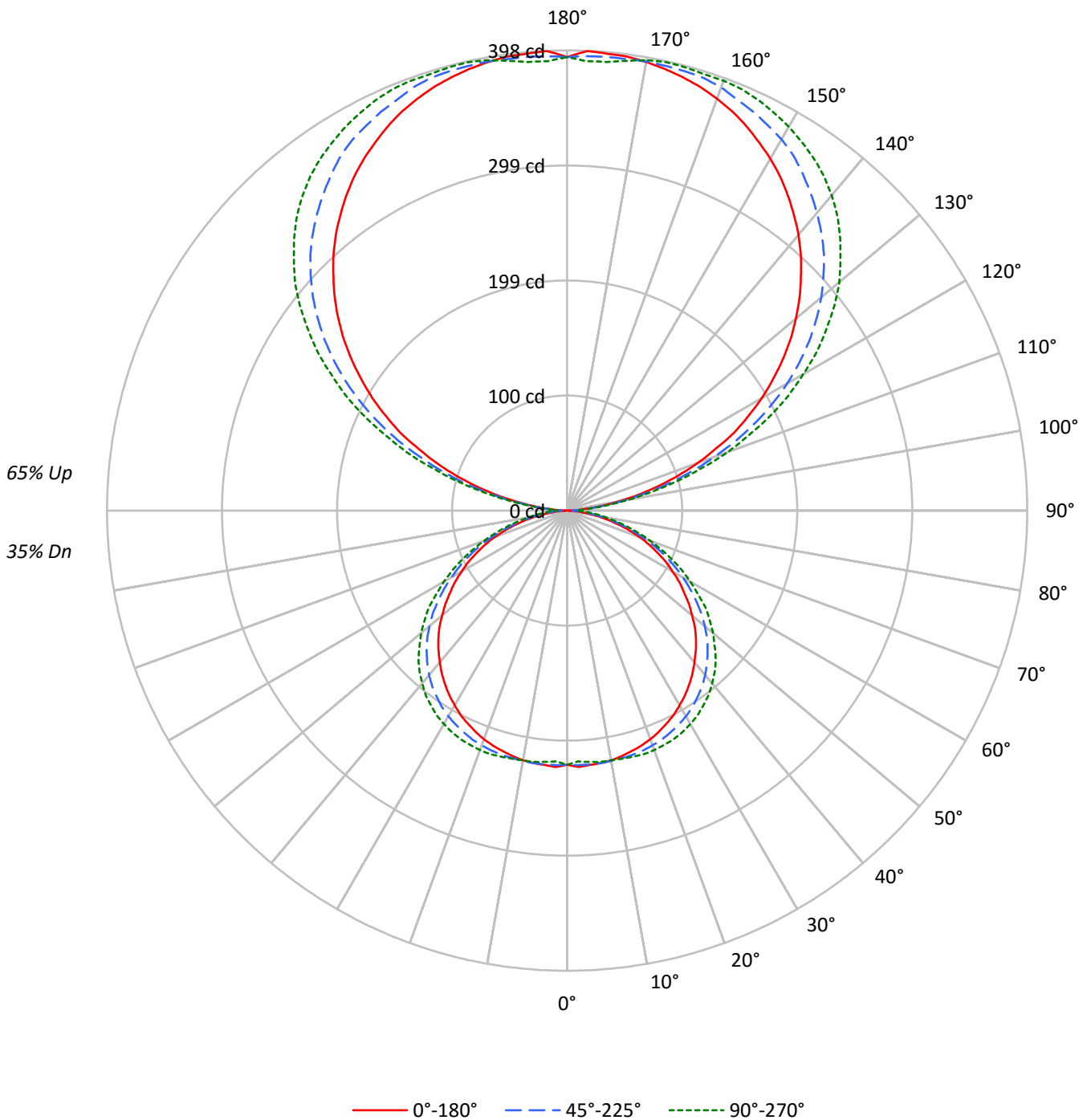
Input Watts (W): 17
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1208	1208	1208
5°	1214	1188	1170
10°	1215	1172	1156
15°	1212	1162	1151
20°	1212	1152	1150
25°	1209	1142	1145
30°	1205	1131	1135
35°	1199	1113	1118
40°	1187	1089	1093
45°	1175	1056	1060
50°	1147	1009	1008
55°	1115	945	948
60°	1077	871	857
65°	1024	780	761
70°	951	665	643
75°	828	529	511
80°	645	375	375
85°	352	216	245



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.0	1.0
10°-20°	61.6	3.1
20°-30°	97.2	4.8
30°-40°	122.2	6.0
40°-50°	131.4	6.5
50°-60°	120.8	6.0
60°-70°	92.6	4.6
70°-80°	52.7	2.6
80°-90°	16.5	0.8
90°-100°	22.0	1.1
100°-110°	95.7	4.7
110°-120°	175.3	8.7
120°-130°	225.9	11.2
130°-140°	240.4	11.9
140°-150°	221.2	10.9
150°-160°	175.2	8.7
160°-170°	111.0	5.5
170°-180°	37.6	1.9
0°-30°	179.8	8.9
0°-40°	302.0	14.9
0°-60°	554.2	27.4
0°-90°	716.0	35.4
90°-120°	293.1	14.5
90°-150°	980.6	48.5
90°-180°	1304.0	64.5
0°-180°	2020.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	220	220	220	220	220	
5°	221	219	220	219	218	21
15°	215	214	219	220	220	61
25°	203	204	212	216	218	94
35°	184	186	197	203	206	115
45°	158	161	172	179	182	121
55°	123	128	136	143	146	111
65°	86	89	94	99	100	85
75°	45	46	50	52	54	48
85°	8	10	14	18	19	10
90°	1	2	5	7	8	1
95°	15	14	16	18	19	19
105°	81	85	92	97	99	86
115°	159	166	180	189	194	156
125°	228	237	256	268	274	203
135°	286	295	314	327	334	221
145°	333	340	355	366	372	208
155°	367	371	381	388	392	169
165°	388	388	393	396	397	110
175°	397	394	394	392	390	38
180°	392	392	392	392	392	



TEST NUMBER: P395510

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	219.8	219.8	219.8	219.8	219.8	219.8	219.8	219.8	219.8	219.8	219.8
2.5°	222.0	221.5	220.9	219.8	219.8	219.3	219.3	219.3	219.3	219.8	220.4
5°	220.9	220.9	220.4	219.3	219.3	218.7	218.7	219.3	218.7	219.3	220.4
7.5°	220.4	220.4	219.8	218.7	218.7	218.7	218.7	218.7	218.7	219.3	220.4
10°	219.3	219.3	218.2	217.6	217.6	217.6	217.6	218.2	218.2	218.7	219.8
12.5°	217.6	217.1	216.5	216.0	216.0	216.0	216.5	217.1	217.1	218.2	219.3
15°	215.4	215.4	214.9	214.3	214.3	214.3	214.9	215.4	216.0	217.1	218.7
17.5°	213.2	213.2	212.7	212.7	212.7	212.7	213.2	213.8	214.9	216.0	217.6
20°	210.5	210.5	209.9	209.9	209.9	210.5	210.5	211.6	212.7	214.3	216.0
22.5°	207.1	207.1	207.1	206.6	207.1	207.7	208.2	209.3	210.5	212.1	214.3
25°	203.3	203.3	203.3	203.3	203.8	203.8	204.9	206.0	207.1	209.3	211.6
27.5°	199.4	199.4	199.4	198.9	200.0	200.5	201.1	202.7	203.8	206.6	208.8
30°	194.5	194.5	194.5	195.0	195.6	196.1	197.2	198.9	200.0	202.7	205.5
32.5°	189.5	189.5	189.5	189.5	191.2	191.7	192.3	193.9	196.1	198.9	201.6
35°	184.0	184.0	184.0	184.6	185.7	186.2	187.3	189.0	191.2	193.9	196.7
37.5°	177.9	178.5	178.5	179.0	180.2	181.3	182.4	184.0	186.2	189.0	191.7
40°	171.3	171.9	171.9	172.4	173.5	174.6	175.7	177.9	180.2	182.9	185.7
42.5°	164.7	165.3	165.3	166.4	167.5	168.6	169.7	171.9	174.1	176.8	179.0
45°	157.6	158.1	158.1	159.2	160.9	161.4	163.1	165.3	167.5	169.7	171.9
47.5°	149.9	150.4	150.4	151.5	153.2	154.3	155.4	157.6	159.2	162.0	164.2
50°	141.0	141.6	142.1	143.2	145.4	146.5	147.6	149.3	151.5	153.2	155.4
52.5°	132.8	132.8	133.3	134.4	136.1	137.2	137.7	139.4	142.1	144.3	146.5
55°	123.4	124.0	124.5	125.6	127.3	128.4	128.9	130.6	132.2	133.9	136.1
57.5°	115.1	115.1	115.7	116.8	118.4	119.0	119.5	120.7	122.9	124.5	126.2
60°	105.2	105.8	106.3	107.4	108.5	109.6	109.6	111.3	112.9	114.6	115.7
62.5°	96.4	96.4	97.0	98.1	98.6	99.7	99.7	101.4	102.5	104.1	105.2
65°	85.9	86.5	87.0	87.6	88.7	88.7	89.2	90.4	91.5	92.6	94.2
67.5°	76.6	76.6	77.1	77.7	78.2	78.2	78.8	79.9	81.0	82.1	83.2
70°	66.1	66.7	66.7	66.7	67.2	67.8	68.3	68.9	70.0	70.5	71.6
72.5°	55.6	55.6	56.2	56.2	56.7	57.3	57.8	58.4	58.9	60.1	60.6
75°	45.2	45.2	45.7	45.7	46.3	46.3	46.3	47.4	47.9	49.0	49.6
77.5°	34.7	35.3	35.3	35.3	35.8	36.4	36.4	36.9	38.0	38.6	39.1
80°	25.3	25.3	25.3	25.3	25.9	26.4	27.0	27.0	28.1	29.2	29.7
82.5°	16.0	16.0	16.5	17.1	17.1	17.6	18.2	18.7	19.8	20.4	20.9
85°	8.3	8.3	8.8	9.4	9.9	10.5	10.5	11.0	12.1	13.2	13.8
87.5°	2.8	3.3	3.3	3.9	4.4	5.0	5.5	6.1	7.2	8.3	8.8
90°	0.6	0.6	0.6	1.1	1.7	1.7	2.2	2.8	3.3	3.9	5.0
92.5°	5.0	5.0	4.4	5.0	5.0	5.0	5.0	5.5	6.1	6.1	7.2
95°	14.9	14.3	14.3	14.3	14.3	14.3	14.3	14.9	15.4	15.4	16.0
97.5°	28.6	28.6	28.1	28.1	28.6	28.6	28.6	29.2	30.3	29.7	30.9
100°	44.6	44.6	44.1	44.6	45.2	45.7	46.8	46.8	47.9	47.9	49.6
102.5°	62.8	62.8	62.3	63.4	63.9	65.0	65.0	66.1	67.8	67.8	70.0
105°	81.0	81.5	81.5	82.6	83.7	84.8	84.8	86.5	88.7	88.7	91.5
107.5°	100.8	101.4	101.4	102.5	103.6	104.7	105.2	107.4	109.6	110.2	113.5
110°	120.1	120.7	121.2	122.3	123.4	125.1	126.2	128.4	131.1	132.2	135.0



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CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	138.3	140.5	141.0	142.7	144.3	146.0	147.1	149.9	153.2	154.8	158.1
115°	159.2	160.3	160.9	162.5	164.7	166.4	167.5	170.2	173.5	175.7	179.6
117.5°	176.3	179.0	179.6	181.3	183.5	185.1	186.2	189.5	193.4	196.1	200.0
120°	194.5	196.7	198.9	200.0	201.6	203.8	204.9	208.2	212.7	215.4	219.8
122.5°	211.0	213.2	215.4	217.1	219.3	220.4	222.0	225.9	230.3	233.6	238.0
125°	227.5	230.3	231.9	233.6	236.3	237.4	239.1	243.0	247.4	251.2	255.6
127.5°	243.5	245.2	247.9	249.0	251.8	252.9	254.5	258.9	263.3	267.2	271.6
130°	258.4	260.6	262.8	263.3	266.6	268.3	270.0	273.8	278.8	282.6	287.0
132.5°	272.7	273.8	276.6	278.2	281.0	282.6	284.3	287.6	292.5	296.4	300.8
135°	285.9	287.0	290.3	292.0	293.6	295.3	297.5	300.8	305.8	309.6	314.0
137.5°	299.2	300.3	303.6	305.2	306.3	308.0	309.6	312.9	317.9	321.7	325.6
140°	311.3	312.4	314.6	316.8	317.9	319.0	320.6	323.9	328.3	332.2	336.1
142.5°	322.3	323.4	325.6	327.8	329.5	329.5	331.1	333.9	338.8	342.7	346.0
145°	332.8	333.3	335.5	337.7	339.9	339.9	340.5	343.2	347.6	352.0	355.3
147.5°	342.7	343.2	344.9	347.1	348.7	349.3	350.4	351.5	355.9	360.3	364.2
150°	351.5	352.0	353.1	355.3	356.4	357.5	358.6	359.2	362.5	366.4	370.8
152.5°	359.2	359.8	360.9	362.5	363.6	364.7	365.8	367.5	369.1	373.0	375.7
155°	366.9	367.5	368.0	369.7	370.8	371.3	371.9	374.1	375.7	377.9	380.7
157.5°	373.5	373.5	374.1	375.2	376.3	376.3	376.8	379.0	380.7	382.9	384.5
160°	379.0	379.0	379.6	380.7	380.7	381.2	381.8	383.4	384.5	387.3	389.5
162.5°	384.0	383.4	384.0	384.5	384.5	384.5	385.1	386.2	387.8	390.1	392.3
165°	387.8	387.8	387.8	388.4	388.4	387.8	387.8	389.0	390.1	391.7	393.4
167.5°	391.2	391.2	390.6	391.2	390.6	390.6	390.1	390.6	391.2	392.8	393.9
170°	393.9	393.4	393.4	393.4	392.8	392.3	392.3	392.3	392.3	393.4	394.5
172.5°	396.1	395.6	395.0	395.0	393.9	393.4	393.4	392.8	392.8	393.4	393.9
175°	396.7	396.1	395.6	395.6	394.5	393.9	393.4	393.4	392.8	393.4	393.9
177.5°	397.8	397.2	396.1	396.1	395.0	393.9	393.9	393.4	392.8	393.4	393.4
180°	392.3	392.3	392.3	392.3	392.3	392.3	392.3	392.3	392.3	392.3	392.3



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CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	219.8	219.8	219.8	219.8	219.8	219.8	219.8	219.8	219.8	219.8
2.5°	220.9	220.9	220.4	219.8	219.8	219.3	218.7	218.2	217.6	217.1
5°	220.9	220.4	219.8	219.8	219.3	219.3	219.3	218.7	218.2	218.2
7.5°	220.9	220.9	220.4	219.8	219.8	219.8	219.8	219.8	219.3	219.3
10°	220.9	220.4	220.4	220.4	219.8	220.4	220.4	219.8	219.8	219.3
12.5°	220.4	220.4	220.4	220.4	220.4	220.4	220.4	220.4	220.4	219.8
15°	219.3	219.8	219.8	220.4	220.4	220.4	220.9	220.9	220.4	220.4
17.5°	218.7	219.3	219.8	220.4	220.4	220.4	220.9	220.9	220.9	220.9
20°	217.6	218.2	218.7	219.3	219.3	219.8	219.8	220.4	220.4	220.4
22.5°	215.4	216.0	217.1	217.6	218.2	218.7	219.3	219.3	219.3	219.3
25°	213.2	214.3	214.9	216.0	216.5	217.1	217.6	217.6	217.6	218.2
27.5°	210.5	211.6	213.2	213.8	214.3	214.9	215.4	216.0	216.0	216.0
30°	207.1	208.8	209.9	211.0	211.6	212.1	212.7	212.7	213.2	213.2
32.5°	203.3	204.9	206.0	207.1	207.7	208.2	209.3	209.3	209.9	209.9
35°	198.3	200.0	201.6	202.7	203.3	203.8	204.9	205.5	205.5	205.5
37.5°	193.4	195.0	196.7	198.3	198.9	199.4	200.5	200.5	201.1	201.1
40°	187.3	189.0	190.6	192.3	192.3	193.4	193.9	194.5	195.0	195.0
42.5°	181.3	182.9	184.0	185.7	186.2	186.8	187.3	188.4	188.4	189.0
45°	174.1	175.7	176.8	178.5	179.0	179.6	180.7	181.3	181.8	181.8
47.5°	166.4	167.5	168.6	170.2	171.3	171.9	172.4	173.0	173.5	173.0
50°	157.6	158.7	160.3	162.0	162.5	163.1	164.2	164.2	164.7	164.7
52.5°	148.2	149.9	151.0	152.6	153.2	153.7	154.8	154.8	155.4	155.4
55°	137.7	138.8	139.9	142.7	143.2	143.8	144.9	144.9	145.4	146.0
57.5°	127.8	128.4	130.0	131.1	132.2	132.2	132.8	133.3	133.9	133.9
60°	117.3	117.9	119.0	120.7	120.7	121.2	122.3	122.3	122.9	122.9
62.5°	106.3	107.4	108.5	110.2	109.6	110.2	111.3	111.3	111.8	111.8
65°	95.3	95.9	97.0	98.1	98.6	98.6	99.2	99.7	100.3	100.3
67.5°	83.7	84.8	85.4	87.0	86.5	87.0	87.6	87.6	88.1	88.1
70°	72.7	73.3	74.4	74.9	74.9	75.5	76.0	76.0	76.0	76.6
72.5°	61.7	62.3	62.8	63.4	63.4	63.9	64.5	64.5	65.0	65.0
75°	50.1	51.2	51.8	52.9	52.3	52.9	54.0	54.0	54.0	54.0
77.5°	40.2	40.8	41.9	42.4	42.4	42.4	43.5	43.0	43.5	43.5
80°	30.3	30.9	32.0	32.5	32.5	33.1	33.6	33.6	33.6	34.2
82.5°	21.5	22.6	23.7	24.2	24.2	24.8	25.3	25.3	25.9	25.9
85°	14.9	16.0	17.1	17.1	17.6	18.2	18.7	18.7	18.7	18.7
87.5°	9.9	10.5	11.0	11.6	12.1	12.1	12.7	12.7	13.2	13.2
90°	5.5	6.1	6.6	7.2	7.2	7.7	7.7	8.3	8.3	8.3
92.5°	7.7	7.7	8.3	8.8	8.8	8.8	8.8	9.4	9.4	9.4
95°	16.5	17.1	17.1	18.2	18.2	18.2	18.7	18.7	18.7	18.7
97.5°	32.0	32.0	32.0	33.1	33.1	33.1	33.6	33.6	33.6	34.2
100°	50.1	50.7	50.7	52.3	51.8	52.9	52.9	52.9	52.9	53.4
102.5°	70.5	71.6	72.2	73.8	73.8	73.8	74.9	74.4	74.9	74.9
105°	92.6	93.7	94.2	95.9	97.0	97.0	98.1	97.5	98.1	98.6
107.5°	114.6	116.2	117.3	119.0	120.1	120.7	120.7	121.2	121.8	122.3
110°	137.2	138.8	141.6	143.2	143.8	144.9	145.4	146.0	146.5	147.6



TEST NUMBER: P395510

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	160.9	162.5	164.7	166.9	166.4	168.0	169.1	169.7	170.2	169.7
115°	182.4	184.6	186.8	189.0	189.0	190.1	192.3	192.8	192.8	193.9
117.5°	202.7	205.5	207.7	209.9	210.5	211.6	213.2	214.9	214.9	216.0
120°	222.6	225.9	228.1	230.3	231.4	231.9	233.6	235.8	235.8	235.8
122.5°	241.3	244.1	246.8	249.0	250.1	251.2	252.3	255.1	255.1	256.2
125°	258.9	262.2	265.0	267.2	268.3	269.4	271.6	273.3	273.8	273.8
127.5°	275.5	278.8	281.5	284.3	284.8	285.9	288.1	290.3	290.9	291.4
130°	290.9	294.2	296.9	299.7	300.8	301.4	304.1	305.8	306.9	307.4
132.5°	304.7	308.0	310.7	313.5	314.6	315.7	317.3	320.1	320.6	320.6
135°	317.3	320.6	323.4	326.7	327.2	328.3	330.6	332.2	333.3	333.9
137.5°	328.9	332.2	335.5	338.3	339.4	339.9	342.1	344.3	345.4	346.0
140°	339.4	342.7	346.0	348.2	348.7	350.4	352.0	354.2	355.3	355.9
142.5°	349.3	352.0	354.8	357.5	358.1	359.2	360.9	363.1	364.2	364.7
145°	358.1	360.9	363.1	365.3	365.8	366.9	368.6	370.2	371.3	371.9
147.5°	366.4	368.6	370.8	372.4	373.0	374.1	375.2	376.3	377.4	377.9
150°	373.5	374.6	376.8	377.9	378.5	379.6	380.7	381.8	382.9	383.4
152.5°	379.0	380.7	381.8	383.4	384.0	384.5	385.6	386.7	387.8	387.8
155°	383.4	385.1	386.2	387.8	388.4	389.0	390.1	390.6	391.7	391.7
157.5°	386.7	388.4	389.5	390.6	391.2	391.7	392.3	393.4	394.5	394.5
160°	390.6	391.2	391.7	392.8	392.8	393.4	393.9	394.5	395.6	395.6
162.5°	393.9	394.5	393.4	393.9	393.4	393.9	394.5	395.0	395.6	395.6
165°	395.0	396.1	395.6	396.1	396.1	396.1	396.1	396.7	396.7	396.7
167.5°	395.0	396.1	395.6	395.6	396.1	396.1	396.7	397.2	397.2	397.2
170°	395.0	395.6	395.0	394.5	395.0	395.0	395.0	395.6	395.6	395.6
172.5°	394.5	395.0	393.9	393.4	393.4	393.4	392.8	392.8	392.3	392.3
175°	393.9	393.9	392.8	392.3	392.3	392.3	391.2	390.6	390.1	389.5
177.5°	393.4	393.4	391.7	391.2	391.2	390.6	390.6	389.5	389.5	389.0
180°	392.3	392.3	392.3	392.3	392.3	392.3	392.3	392.3	392.3	392.3

(END OF REPORT)