

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: P395532

Luminaire Tested: **I3-FL-30L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395532
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-30L92765-1D-UNV-W2A-W-4 (4000K)
Description: CORELITE I3, FROSTED TOP COVER
3000 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: 2418.4 lumens
Efficiency: N/A
Efficacy: 115.7 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

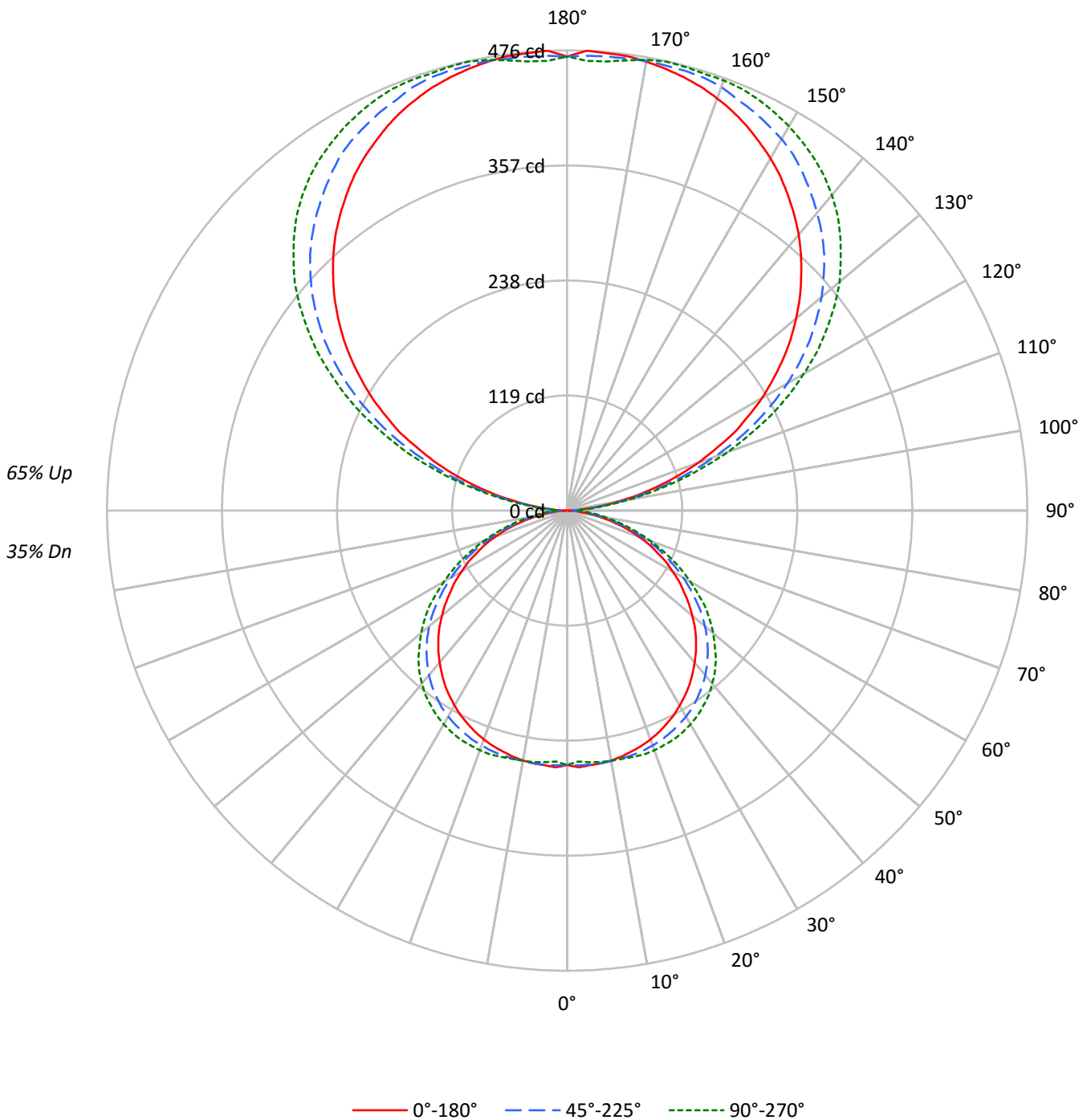
Input Watts (W): 20.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P395532

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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°	1446	1446	1446
5°	1454	1422	1400
10°	1454	1403	1384
15°	1451	1391	1378
20°	1451	1379	1376
25°	1447	1366	1371
30°	1442	1354	1358
35°	1435	1332	1338
40°	1421	1304	1309
45°	1406	1264	1269
50°	1374	1208	1207
55°	1334	1132	1135
60°	1290	1043	1025
65°	1226	934	910
70°	1138	796	769
75°	991	633	611
80°	773	449	448
85°	420	258	294



TEST NUMBER: P395532

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (4000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.1	1.0
10°-20°	73.8	3.1
20°-30°	116.4	4.8
30°-40°	146.3	6.0
40°-50°	157.3	6.5
50°-60°	144.7	6.0
60°-70°	110.8	4.6
70°-80°	63.1	2.6
80°-90°	19.7	0.8
90°-100°	26.4	1.1
100°-110°	114.6	4.7
110°-120°	209.8	8.7
120°-130°	270.5	11.2
130°-140°	287.8	11.9
140°-150°	264.8	10.9
150°-160°	209.8	8.7
160°-170°	132.8	5.5
170°-180°	45.0	1.9
0°-30°	215.2	8.9
0°-40°	361.5	14.9
0°-60°	663.4	27.4
0°-90°	857.0	35.4
90°-120°	350.8	14.5
90°-150°	1173.8	48.5
90°-180°	1561.0	64.5
0°-180°	2418.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	263	263	263	263	263	
5°	264	262	264	262	261	25
15°	258	256	262	264	264	73
25°	243	244	253	259	261	112
35°	220	223	235	243	246	138
45°	189	193	206	214	218	145
55°	148	154	163	172	175	132
65°	103	106	113	118	120	102
75°	54	55	59	63	65	57
85°	10	12	16	21	22	12
90°	1	2	6	9	10	1
95°	18	17	19	22	22	22
105°	97	102	110	116	118	103
115°	191	199	215	226	232	187
125°	272	284	306	321	328	243
135°	342	354	376	392	400	264
145°	398	407	425	438	445	249
155°	439	444	456	465	469	202
165°	464	464	471	474	475	131
175°	475	472	472	470	466	45
180°	470	470	470	470	470	



TEST NUMBER: P395532

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1
2.5°	265.8	265.1	264.5	263.1	263.1	262.5	262.5	262.5	262.5	263.1	263.8
5°	264.5	264.5	263.8	262.5	262.5	261.8	261.8	262.5	261.8	262.5	263.8
7.5°	263.8	263.8	263.1	261.8	261.8	261.8	261.8	261.8	261.8	262.5	263.8
10°	262.5	262.5	261.2	260.5	260.5	260.5	260.5	261.2	261.2	261.8	263.1
12.5°	260.5	259.8	259.2	258.5	258.5	258.5	259.2	259.8	259.8	261.2	262.5
15°	257.9	257.9	257.2	256.5	256.5	256.5	257.2	257.9	258.5	259.8	261.8
17.5°	255.2	255.2	254.6	254.6	254.6	254.6	255.2	255.9	257.2	258.5	260.5
20°	251.9	251.9	251.3	251.3	251.3	251.9	251.9	253.2	254.6	256.5	258.5
22.5°	248.0	248.0	248.0	247.3	248.0	248.6	249.3	250.6	251.9	253.9	256.5
25°	243.4	243.4	243.4	243.4	244.0	244.0	245.3	246.7	248.0	250.6	253.2
27.5°	238.7	238.7	238.7	238.1	239.4	240.1	240.7	242.7	244.0	247.3	250.0
30°	232.8	232.8	232.8	233.5	234.1	234.8	236.1	238.1	239.4	242.7	246.0
32.5°	226.9	226.9	226.9	226.9	228.8	229.5	230.2	232.1	234.8	238.1	241.4
35°	220.3	220.3	220.3	220.9	222.3	222.9	224.2	226.2	228.8	232.1	235.4
37.5°	213.0	213.7	213.7	214.3	215.7	217.0	218.3	220.3	222.9	226.2	229.5
40°	205.1	205.8	205.8	206.4	207.7	209.1	210.4	213.0	215.7	219.0	222.3
42.5°	197.2	197.9	197.9	199.2	200.5	201.8	203.1	205.8	208.4	211.7	214.3
45°	188.6	189.3	189.3	190.6	192.6	193.2	195.2	197.9	200.5	203.1	205.8
47.5°	179.4	180.0	180.0	181.4	183.3	184.7	186.0	188.6	190.6	193.9	196.5
50°	168.8	169.5	170.2	171.5	174.1	175.4	176.7	178.7	181.4	183.3	186.0
52.5°	158.9	158.9	159.6	160.9	162.9	164.2	164.9	166.9	170.2	172.8	175.4
55°	147.7	148.4	149.0	150.4	152.3	153.7	154.3	156.3	158.3	160.3	162.9
57.5°	137.8	137.8	138.5	139.8	141.8	142.5	143.1	144.4	147.1	149.0	151.0
60°	126.0	126.6	127.3	128.6	129.9	131.2	131.2	133.2	135.2	137.2	138.5
62.5°	115.4	115.4	116.1	117.4	118.1	119.4	119.4	121.3	122.7	124.6	126.0
65°	102.9	103.5	104.2	104.9	106.2	106.2	106.8	108.2	109.5	110.8	112.8
67.5°	91.7	91.7	92.3	93.0	93.6	93.6	94.3	95.6	96.9	98.3	99.6
70°	79.1	79.8	79.8	79.8	80.5	81.1	81.8	82.4	83.8	84.4	85.7
72.5°	66.6	66.6	67.3	67.3	67.9	68.6	69.2	69.9	70.6	71.9	72.5
75°	54.1	54.1	54.7	54.7	55.4	55.4	55.4	56.7	57.4	58.7	59.4
77.5°	41.5	42.2	42.2	42.2	42.9	43.5	43.5	44.2	45.5	46.2	46.8
80°	30.3	30.3	30.3	30.3	31.0	31.7	32.3	32.3	33.6	35.0	35.6
82.5°	19.1	19.1	19.8	20.4	20.4	21.1	21.8	22.4	23.7	24.4	25.1
85°	9.9	9.9	10.6	11.2	11.9	12.5	12.5	13.2	14.5	15.8	16.5
87.5°	3.3	4.0	4.0	4.6	5.3	5.9	6.6	7.3	8.6	9.9	10.6
90°	0.7	0.7	0.7	1.3	2.0	2.0	2.6	3.3	4.0	4.6	5.9
92.5°	5.9	5.9	5.3	5.9	5.9	5.9	5.9	6.6	7.3	7.3	8.6
95°	17.8	17.1	17.1	17.1	17.1	17.1	17.1	17.8	18.5	18.5	19.1
97.5°	34.3	34.3	33.6	33.6	34.3	34.3	34.3	35.0	36.3	35.6	36.9
100°	53.4	53.4	52.8	53.4	54.1	54.7	56.1	56.1	57.4	57.4	59.4
102.5°	75.2	75.2	74.5	75.8	76.5	77.8	77.8	79.1	81.1	81.1	83.8
105°	96.9	97.6	97.6	98.9	100.2	101.6	101.6	103.5	106.2	106.2	109.5
107.5°	120.7	121.3	121.3	122.7	124.0	125.3	126.0	128.6	131.2	131.9	135.9
110°	143.8	144.4	145.1	146.4	147.7	149.7	151.0	153.7	157.0	158.3	161.6



TEST NUMBER: P395532

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	165.5	168.2	168.8	170.8	172.8	174.8	176.1	179.4	183.3	185.3	189.3
115°	190.6	191.9	192.6	194.6	197.2	199.2	200.5	203.8	207.7	210.4	215.0
117.5°	211.0	214.3	215.0	217.0	219.6	221.6	222.9	226.9	231.5	234.8	239.4
120°	232.8	235.4	238.1	239.4	241.4	244.0	245.3	249.3	254.6	257.9	263.1
122.5°	252.6	255.2	257.9	259.8	262.5	263.8	265.8	270.4	275.7	279.6	284.9
125°	272.4	275.7	277.7	279.6	282.9	284.2	286.2	290.8	296.1	300.7	306.0
127.5°	291.5	293.5	296.8	298.1	301.4	302.7	304.7	310.0	315.2	319.9	325.1
130°	309.3	311.9	314.6	315.2	319.2	321.2	323.2	327.8	333.7	338.3	343.6
132.5°	326.5	327.8	331.1	333.0	336.3	338.3	340.3	344.3	350.2	354.8	360.1
135°	342.3	343.6	347.6	349.5	351.5	353.5	356.1	360.1	366.0	370.6	375.9
137.5°	358.1	359.4	363.4	365.4	366.7	368.7	370.6	374.6	380.5	385.2	389.8
140°	372.6	373.9	376.6	379.2	380.5	381.9	383.8	387.8	393.1	397.7	402.3
142.5°	385.8	387.1	389.8	392.4	394.4	394.4	396.4	399.7	405.6	410.2	414.2
145°	398.3	399.0	401.6	404.3	406.9	406.9	407.6	410.9	416.1	421.4	425.4
147.5°	410.2	410.9	412.8	415.5	417.5	418.1	419.4	420.8	426.0	431.3	435.9
150°	420.8	421.4	422.7	425.4	426.7	428.0	429.3	430.0	434.0	438.6	443.8
152.5°	430.0	430.7	432.0	434.0	435.3	436.6	437.9	439.9	441.9	446.5	449.8
155°	439.2	439.9	440.5	442.5	443.8	444.5	445.2	447.8	449.8	452.4	455.7
157.5°	447.1	447.1	447.8	449.1	450.4	450.4	451.1	453.7	455.7	458.4	460.3
160°	453.7	453.7	454.4	455.7	455.7	456.4	457.0	459.0	460.3	463.6	466.3
162.5°	459.7	459.0	459.7	460.3	460.3	460.3	461.0	462.3	464.3	466.9	469.6
165°	464.3	464.3	464.3	464.9	464.9	464.3	464.3	465.6	466.9	468.9	470.9
167.5°	468.2	468.2	467.6	468.2	467.6	467.6	466.9	467.6	468.2	470.2	471.5
170°	471.5	470.9	470.9	470.9	470.2	469.6	469.6	469.6	469.6	470.9	472.2
172.5°	474.2	473.5	472.9	472.9	471.5	470.9	470.9	470.2	470.2	470.9	471.5
175°	474.8	474.2	473.5	473.5	472.2	471.5	470.9	470.9	470.2	470.9	471.5
177.5°	476.2	475.5	474.2	474.2	472.9	471.5	471.5	470.9	470.2	470.9	470.9
180°	469.6	469.6	469.6	469.6	469.6	469.6	469.6	469.6	469.6	469.6	469.6



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CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1
2.5°	264.5	264.5	263.8	263.1	263.1	262.5	261.8	261.2	260.5	259.8
5°	264.5	263.8	263.1	263.1	262.5	262.5	262.5	261.8	261.2	261.2
7.5°	264.5	264.5	263.8	263.1	263.1	263.1	263.1	263.1	262.5	262.5
10°	264.5	263.8	263.8	263.8	263.1	263.8	263.8	263.1	263.1	262.5
12.5°	263.8	263.8	263.8	263.8	263.8	263.8	263.8	263.8	263.8	263.1
15°	262.5	263.1	263.1	263.8	263.8	263.8	264.5	264.5	263.8	263.8
17.5°	261.8	262.5	263.1	263.8	263.8	263.8	264.5	264.5	264.5	264.5
20°	260.5	261.2	261.8	262.5	262.5	263.1	263.1	263.8	263.8	263.8
22.5°	257.9	258.5	259.8	260.5	261.2	261.8	262.5	262.5	262.5	262.5
25°	255.2	256.5	257.2	258.5	259.2	259.8	260.5	260.5	260.5	261.2
27.5°	251.9	253.2	255.2	255.9	256.5	257.2	257.9	258.5	258.5	258.5
30°	248.0	250.0	251.3	252.6	253.2	253.9	254.6	254.6	255.2	255.2
32.5°	243.4	245.3	246.7	248.0	248.6	249.3	250.6	250.6	251.3	251.3
35°	237.4	239.4	241.4	242.7	243.4	244.0	245.3	246.0	246.0	246.0
37.5°	231.5	233.5	235.4	237.4	238.1	238.7	240.1	240.1	240.7	240.7
40°	224.2	226.2	228.2	230.2	230.2	231.5	232.1	232.8	233.5	233.5
42.5°	217.0	219.0	220.3	222.3	222.9	223.6	224.2	225.6	225.6	226.2
45°	208.4	210.4	211.7	213.7	214.3	215.0	216.3	217.0	217.6	217.6
47.5°	199.2	200.5	201.8	203.8	205.1	205.8	206.4	207.1	207.7	207.1
50°	188.6	189.9	191.9	193.9	194.6	195.2	196.5	196.5	197.2	197.2
52.5°	177.4	179.4	180.7	182.7	183.3	184.0	185.3	185.3	186.0	186.0
55°	164.9	166.2	167.5	170.8	171.5	172.1	173.4	173.4	174.1	174.8
57.5°	153.0	153.7	155.6	157.0	158.3	158.3	158.9	159.6	160.3	160.3
60°	140.5	141.1	142.5	144.4	144.4	145.1	146.4	146.4	147.1	147.1
62.5°	127.3	128.6	129.9	131.9	131.2	131.9	133.2	133.2	133.9	133.9
65°	114.1	114.8	116.1	117.4	118.1	118.1	118.7	119.4	120.0	120.0
67.5°	100.2	101.6	102.2	104.2	103.5	104.2	104.9	104.9	105.5	105.5
70°	87.1	87.7	89.0	89.7	89.7	90.4	91.0	91.0	91.0	91.7
72.5°	73.9	74.5	75.2	75.8	75.8	76.5	77.2	77.2	77.8	77.8
75°	60.0	61.3	62.0	63.3	62.7	63.3	64.6	64.6	64.6	64.6
77.5°	48.1	48.8	50.1	50.8	50.8	50.8	52.1	51.4	52.1	52.1
80°	36.3	36.9	38.3	38.9	38.9	39.6	40.2	40.2	40.2	40.9
82.5°	25.7	27.0	28.4	29.0	29.0	29.7	30.3	30.3	31.0	31.0
85°	17.8	19.1	20.4	20.4	21.1	21.8	22.4	22.4	22.4	22.4
87.5°	11.9	12.5	13.2	13.8	14.5	14.5	15.2	15.2	15.8	15.8
90°	6.6	7.3	7.9	8.6	8.6	9.2	9.2	9.9	9.9	9.9
92.5°	9.2	9.2	9.9	10.6	10.6	10.6	10.6	11.2	11.2	11.2
95°	19.8	20.4	20.4	21.8	21.8	21.8	22.4	22.4	22.4	22.4
97.5°	38.3	38.3	38.3	39.6	39.6	39.6	40.2	40.2	40.2	40.9
100°	60.0	60.7	60.7	62.7	62.0	63.3	63.3	63.3	63.3	64.0
102.5°	84.4	85.7	86.4	88.4	88.4	88.4	89.7	89.0	89.7	89.7
105°	110.8	112.1	112.8	114.8	116.1	116.1	117.4	116.7	117.4	118.1
107.5°	137.2	139.2	140.5	142.5	143.8	144.4	144.4	145.1	145.8	146.4
110°	164.2	166.2	169.5	171.5	172.1	173.4	174.1	174.8	175.4	176.7



TEST NUMBER: P395532

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	192.6	194.6	197.2	199.8	199.2	201.1	202.5	203.1	203.8	203.1
115°	218.3	220.9	223.6	226.2	226.2	227.5	230.2	230.8	230.8	232.1
117.5°	242.7	246.0	248.6	251.3	251.9	253.2	255.2	257.2	257.2	258.5
120°	266.4	270.4	273.0	275.7	277.0	277.7	279.6	282.3	282.3	282.3
122.5°	288.9	292.2	295.5	298.1	299.4	300.7	302.1	305.4	305.4	306.7
125°	310.0	313.9	317.2	319.9	321.2	322.5	325.1	327.1	327.8	327.8
127.5°	329.8	333.7	337.0	340.3	341.0	342.3	344.9	347.6	348.2	348.9
130°	348.2	352.2	355.5	358.8	360.1	360.7	364.0	366.0	367.3	368.0
132.5°	364.7	368.7	372.0	375.3	376.6	377.9	379.9	383.2	383.8	383.8
135°	379.9	383.8	387.1	391.1	391.7	393.1	395.7	397.7	399.0	399.7
137.5°	393.7	397.7	401.6	404.9	406.3	406.9	409.6	412.2	413.5	414.2
140°	406.3	410.2	414.2	416.8	417.5	419.4	421.4	424.1	425.4	426.0
142.5°	418.1	421.4	424.7	428.0	428.7	430.0	432.0	434.6	435.9	436.6
145°	428.7	432.0	434.6	437.3	437.9	439.2	441.2	443.2	444.5	445.2
147.5°	438.6	441.2	443.8	445.8	446.5	447.8	449.1	450.4	451.8	452.4
150°	447.1	448.5	451.1	452.4	453.1	454.4	455.7	457.0	458.4	459.0
152.5°	453.7	455.7	457.0	459.0	459.7	460.3	461.7	463.0	464.3	464.3
155°	459.0	461.0	462.3	464.3	464.9	465.6	466.9	467.6	468.9	468.9
157.5°	463.0	464.9	466.3	467.6	468.2	468.9	469.6	470.9	472.2	472.2
160°	467.6	468.2	468.9	470.2	470.2	470.9	471.5	472.2	473.5	473.5
162.5°	471.5	472.2	470.9	471.5	470.9	471.5	472.2	472.9	473.5	473.5
165°	472.9	474.2	473.5	474.2	474.2	474.2	474.2	474.8	474.8	474.8
167.5°	472.9	474.2	473.5	473.5	474.2	474.2	474.8	475.5	475.5	475.5
170°	472.9	473.5	472.9	472.2	472.9	472.9	472.9	473.5	473.5	473.5
172.5°	472.2	472.9	471.5	470.9	470.9	470.9	470.2	470.2	469.6	469.6
175°	471.5	471.5	470.2	469.6	469.6	469.6	468.2	467.6	466.9	466.3
177.5°	470.9	470.9	468.9	468.2	468.2	467.6	467.6	466.3	466.3	465.6
180°	469.6	469.6	469.6	469.6	469.6	469.6	469.6	469.6	469.6	469.6

(END OF REPORT)