

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: P395531

Luminaire Tested: **I3-FL-30L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395531  
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 (3500K)  
Description: CORELITE I3, FROSTED TOP COVER  
3000 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: 2344.5 lumens  
Efficiency: N/A  
Efficacy: 113.3 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

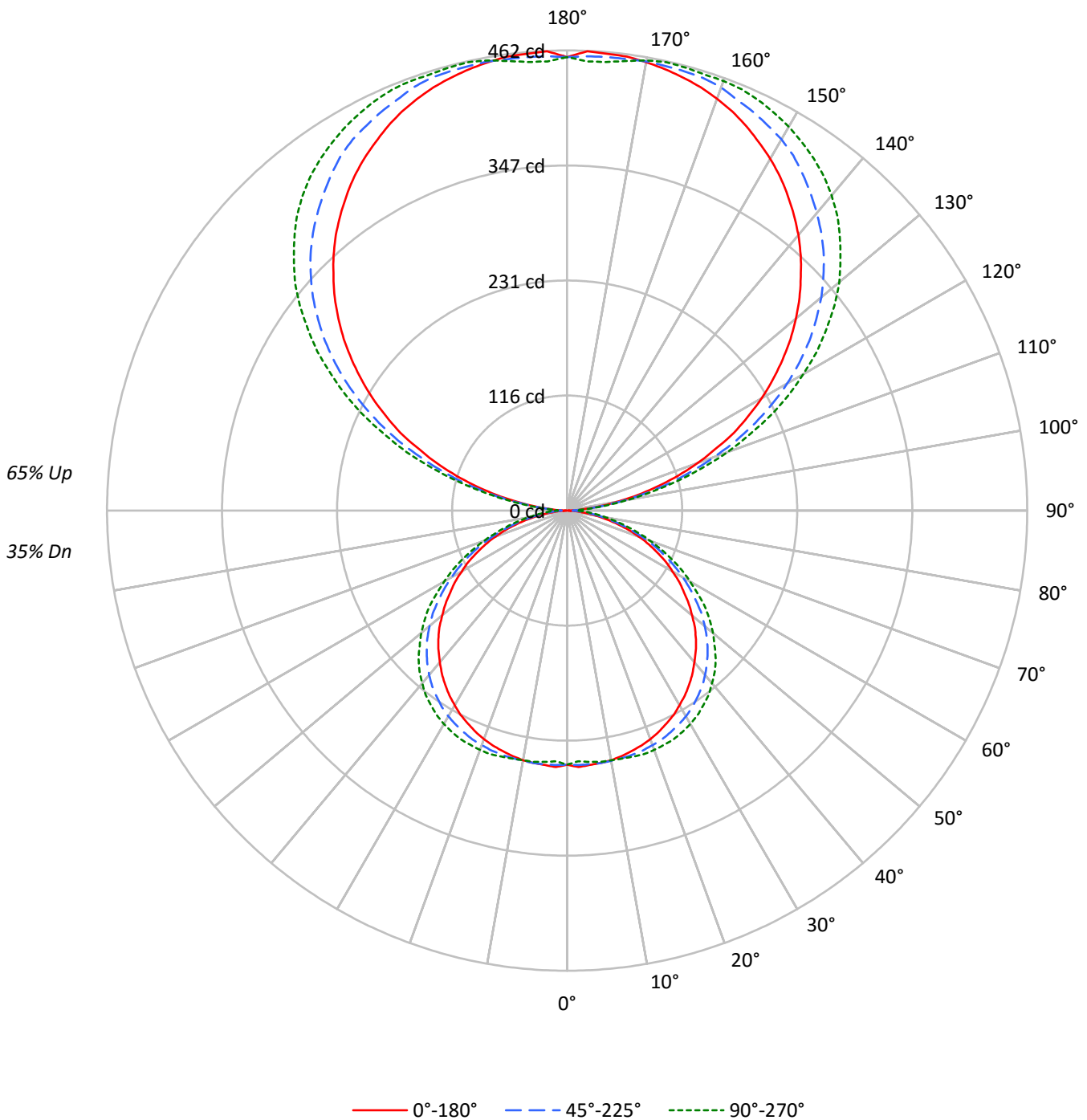
Input Watts (W): 20.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1402	1402	1402
5°	1409	1379	1357
10°	1410	1360	1342
15°	1407	1348	1336
20°	1407	1337	1334
25°	1403	1325	1329
30°	1398	1312	1317
35°	1391	1291	1297
40°	1377	1264	1269
45°	1364	1225	1230
50°	1332	1171	1170
55°	1294	1097	1100
60°	1250	1011	994
65°	1188	905	883
70°	1104	772	746
75°	960	613	593
80°	750	436	434
85°	407	250	285



TEST NUMBER: P395531

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (3500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.3	1.0
10°-20°	71.5	3.1
20°-30°	112.8	4.8
30°-40°	141.8	6.0
40°-50°	152.4	6.5
50°-60°	140.2	6.0
60°-70°	107.4	4.6
70°-80°	61.2	2.6
80°-90°	19.1	0.8
90°-100°	25.5	1.1
100°-110°	111.1	4.7
110°-120°	203.4	8.7
120°-130°	262.2	11.2
130°-140°	279.0	11.9
140°-150°	256.7	10.9
150°-160°	203.4	8.7
160°-170°	128.8	5.5
170°-180°	43.6	1.9
0°-30°	208.7	8.9
0°-40°	350.4	14.9
0°-60°	643.1	27.4
0°-90°	830.8	35.4
90°-120°	340.1	14.5
90°-150°	1137.9	48.5
90°-180°	1514.0	64.6
0°-180°	2344.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	255	255	255	255	255	
5°	256	254	256	254	253	24
15°	250	249	254	256	256	71
25°	236	237	246	251	253	109
35°	214	216	228	236	238	134
45°	183	187	200	208	211	141
55°	143	149	158	166	169	128
65°	100	103	109	114	116	99
75°	52	54	58	61	63	55
85°	10	12	16	20	22	12
90°	1	2	6	8	10	1
95°	17	17	18	21	22	22
105°	94	98	106	112	114	100
115°	185	193	208	219	225	181
125°	264	276	297	311	318	236
135°	332	343	364	380	387	256
145°	386	394	412	424	432	242
155°	426	431	442	451	455	196
165°	450	450	456	460	460	127
175°	460	457	457	455	452	44
180°	455	455	455	455	455	



TEST NUMBER: P395531

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	255.1	255.1	255.1	255.1	255.1	255.1	255.1	255.1	255.1	255.1	255.1
2.5°	257.7	257.0	256.4	255.1	255.1	254.5	254.5	254.5	254.5	255.1	255.7
5°	256.4	256.4	255.7	254.5	254.5	253.8	253.8	254.5	253.8	254.5	255.7
7.5°	255.7	255.7	255.1	253.8	253.8	253.8	253.8	253.8	253.8	254.5	255.7
10°	254.5	254.5	253.2	252.5	252.5	252.5	252.5	253.2	253.2	253.8	255.1
12.5°	252.5	251.9	251.3	250.6	250.6	250.6	251.3	251.9	251.9	253.2	254.5
15°	250.0	250.0	249.3	248.7	248.7	248.7	249.3	250.0	250.6	251.9	253.8
17.5°	247.4	247.4	246.8	246.8	246.8	246.8	247.4	248.1	249.3	250.6	252.5
20°	244.2	244.2	243.6	243.6	243.6	244.2	244.2	245.5	246.8	248.7	250.6
22.5°	240.4	240.4	240.4	239.8	240.4	241.0	241.7	242.9	244.2	246.1	248.7
25°	235.9	235.9	235.9	235.9	236.6	236.6	237.8	239.1	240.4	242.9	245.5
27.5°	231.4	231.4	231.4	230.8	232.1	232.7	233.4	235.3	236.6	239.8	242.3
30°	225.7	225.7	225.7	226.3	227.0	227.6	228.9	230.8	232.1	235.3	238.5
32.5°	219.9	219.9	219.9	219.9	221.9	222.5	223.1	225.0	227.6	230.8	234.0
35°	213.5	213.5	213.5	214.2	215.5	216.1	217.4	219.3	221.9	225.0	228.2
37.5°	206.5	207.1	207.1	207.8	209.1	210.3	211.6	213.5	216.1	219.3	222.5
40°	198.8	199.5	199.5	200.1	201.4	202.7	203.9	206.5	209.1	212.3	215.5
42.5°	191.2	191.8	191.8	193.1	194.4	195.6	196.9	199.5	202.0	205.2	207.8
45°	182.9	183.5	183.5	184.8	186.7	187.3	189.2	191.8	194.4	196.9	199.5
47.5°	173.9	174.5	174.5	175.8	177.7	179.0	180.3	182.9	184.8	188.0	190.5
50°	163.7	164.3	164.9	166.2	168.8	170.1	171.3	173.3	175.8	177.7	180.3
52.5°	154.1	154.1	154.7	156.0	157.9	159.2	159.8	161.8	164.9	167.5	170.1
55°	143.2	143.9	144.5	145.8	147.7	149.0	149.6	151.5	153.4	155.4	157.9
57.5°	133.6	133.6	134.3	135.5	137.5	138.1	138.7	140.0	142.6	144.5	146.4
60°	122.1	122.8	123.4	124.7	125.9	127.2	127.2	129.1	131.1	133.0	134.3
62.5°	111.9	111.9	112.5	113.8	114.4	115.7	115.7	117.6	118.9	120.8	122.1
65°	99.7	100.4	101.0	101.7	102.9	102.9	103.6	104.9	106.1	107.4	109.3
67.5°	88.9	88.9	89.5	90.1	90.8	90.8	91.4	92.7	94.0	95.3	96.5
70°	76.7	77.4	77.4	77.4	78.0	78.6	79.3	79.9	81.2	81.8	83.1
72.5°	64.6	64.6	65.2	65.2	65.9	66.5	67.1	67.8	68.4	69.7	70.3
75°	52.4	52.4	53.1	53.1	53.7	53.7	53.7	55.0	55.6	56.9	57.5
77.5°	40.3	40.9	40.9	40.9	41.6	42.2	42.2	42.8	44.1	44.8	45.4
80°	29.4	29.4	29.4	29.4	30.0	30.7	31.3	31.3	32.6	33.9	34.5
82.5°	18.5	18.5	19.2	19.8	19.8	20.5	21.1	21.7	23.0	23.7	24.3
85°	9.6	9.6	10.2	10.9	11.5	12.1	12.1	12.8	14.1	15.3	16.0
87.5°	3.2	3.8	3.8	4.5	5.1	5.8	6.4	7.0	8.3	9.6	10.2
90°	0.6	0.6	0.6	1.3	1.9	1.9	2.6	3.2	3.8	4.5	5.8
92.5°	5.8	5.8	5.1	5.8	5.8	5.8	5.8	6.4	7.0	7.0	8.3
95°	17.3	16.6	16.6	16.6	16.6	16.6	16.6	17.3	17.9	17.9	18.5
97.5°	33.2	33.2	32.6	32.6	33.2	33.2	33.2	33.9	35.2	34.5	35.8
100°	51.8	51.8	51.1	51.8	52.4	53.1	54.3	54.3	55.6	55.6	57.5
102.5°	72.9	72.9	72.2	73.5	74.2	75.4	75.4	76.7	78.6	78.6	81.2
105°	94.0	94.6	94.6	95.9	97.2	98.5	98.5	100.4	102.9	102.9	106.1
107.5°	117.0	117.6	117.6	118.9	120.2	121.5	122.1	124.7	127.2	127.9	131.7
110°	139.4	140.0	140.7	141.9	143.2	145.1	146.4	149.0	152.2	153.4	156.6



TEST NUMBER: P395531

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	160.5	163.0	163.7	165.6	167.5	169.4	170.7	173.9	177.7	179.7	183.5
115°	184.8	186.0	186.7	188.6	191.2	193.1	194.4	197.6	201.4	203.9	208.4
117.5°	204.6	207.8	208.4	210.3	212.9	214.8	216.1	219.9	224.4	227.6	232.1
120°	225.7	228.2	230.8	232.1	234.0	236.6	237.8	241.7	246.8	250.0	255.1
122.5°	244.9	247.4	250.0	251.9	254.5	255.7	257.7	262.1	267.2	271.1	276.2
125°	264.0	267.2	269.2	271.1	274.3	275.6	277.5	281.9	287.1	291.5	296.7
127.5°	282.6	284.5	287.7	289.0	292.2	293.5	295.4	300.5	305.6	310.1	315.2
130°	299.8	302.4	305.0	305.6	309.4	311.4	313.3	317.8	323.5	328.0	333.1
132.5°	316.5	317.8	320.9	322.9	326.1	328.0	329.9	333.7	339.5	344.0	349.1
135°	331.8	333.1	336.9	338.8	340.8	342.7	345.2	349.1	354.8	359.3	364.4
137.5°	347.2	348.4	352.3	354.2	355.5	357.4	359.3	363.1	368.9	373.4	377.8
140°	361.2	362.5	365.1	367.6	368.9	370.2	372.1	375.9	381.0	385.5	390.0
142.5°	374.0	375.3	377.8	380.4	382.3	382.3	384.2	387.4	393.2	397.7	401.5
145°	386.2	386.8	389.4	391.9	394.5	394.5	395.1	398.3	403.4	408.5	412.4
147.5°	397.7	398.3	400.2	402.8	404.7	405.3	406.6	407.9	413.0	418.1	422.6
150°	407.9	408.5	409.8	412.4	413.7	414.9	416.2	416.8	420.7	425.2	430.3
152.5°	416.8	417.5	418.8	420.7	422.0	423.2	424.5	426.4	428.4	432.8	436.0
155°	425.8	426.4	427.1	429.0	430.3	430.9	431.6	434.1	436.0	438.6	441.8
157.5°	433.5	433.5	434.1	435.4	436.7	436.7	437.3	439.9	441.8	444.3	446.3
160°	439.9	439.9	440.5	441.8	441.8	442.4	443.1	445.0	446.3	449.5	452.0
162.5°	445.6	445.0	445.6	446.3	446.3	446.3	446.9	448.2	450.1	452.7	455.2
165°	450.1	450.1	450.1	450.7	450.7	450.1	450.1	451.4	452.7	454.6	456.5
167.5°	453.9	453.9	453.3	453.9	453.3	453.3	452.7	453.3	453.9	455.8	457.1
170°	457.1	456.5	456.5	456.5	455.8	455.2	455.2	455.2	455.2	456.5	457.8
172.5°	459.7	459.0	458.4	458.4	457.1	456.5	456.5	455.8	455.8	456.5	457.1
175°	460.3	459.7	459.0	459.0	457.8	457.1	456.5	456.5	455.8	456.5	457.1
177.5°	461.6	461.0	459.7	459.7	458.4	457.1	457.1	456.5	455.8	456.5	456.5
180°	455.2	455.2	455.2	455.2	455.2	455.2	455.2	455.2	455.2	455.2	455.2



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	255.1	255.1	255.1	255.1	255.1	255.1	255.1	255.1	255.1	255.1
2.5°	256.4	256.4	255.7	255.1	255.1	254.5	253.8	253.2	252.5	251.9
5°	256.4	255.7	255.1	255.1	254.5	254.5	254.5	253.8	253.2	253.2
7.5°	256.4	256.4	255.7	255.1	255.1	255.1	255.1	255.1	254.5	254.5
10°	256.4	255.7	255.7	255.7	255.1	255.7	255.7	255.1	255.1	254.5
12.5°	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.1
15°	254.5	255.1	255.1	255.7	255.7	255.7	256.4	256.4	255.7	255.7
17.5°	253.8	254.5	255.1	255.7	255.7	255.7	256.4	256.4	256.4	256.4
20°	252.5	253.2	253.8	254.5	254.5	255.1	255.1	255.7	255.7	255.7
22.5°	250.0	250.6	251.9	252.5	253.2	253.8	254.5	254.5	254.5	254.5
25°	247.4	248.7	249.3	250.6	251.3	251.9	252.5	252.5	252.5	253.2
27.5°	244.2	245.5	247.4	248.1	248.7	249.3	250.0	250.6	250.6	250.6
30°	240.4	242.3	243.6	244.9	245.5	246.1	246.8	246.8	247.4	247.4
32.5°	235.9	237.8	239.1	240.4	241.0	241.7	242.9	242.9	243.6	243.6
35°	230.2	232.1	234.0	235.3	235.9	236.6	237.8	238.5	238.5	238.5
37.5°	224.4	226.3	228.2	230.2	230.8	231.4	232.7	232.7	233.4	233.4
40°	217.4	219.3	221.2	223.1	223.1	224.4	225.0	225.7	226.3	226.3
42.5°	210.3	212.3	213.5	215.5	216.1	216.7	217.4	218.7	218.7	219.3
45°	202.0	203.9	205.2	207.1	207.8	208.4	209.7	210.3	211.0	211.0
47.5°	193.1	194.4	195.6	197.6	198.8	199.5	200.1	200.8	201.4	200.8
50°	182.9	184.1	186.0	188.0	188.6	189.2	190.5	190.5	191.2	191.2
52.5°	172.0	173.9	175.2	177.1	177.7	178.4	179.7	179.7	180.3	180.3
55°	159.8	161.1	162.4	165.6	166.2	166.9	168.1	168.1	168.8	169.4
57.5°	148.3	149.0	150.9	152.2	153.4	153.4	154.1	154.7	155.4	155.4
60°	136.2	136.8	138.1	140.0	140.0	140.7	141.9	141.9	142.6	142.6
62.5°	123.4	124.7	125.9	127.9	127.2	127.9	129.1	129.1	129.8	129.8
65°	110.6	111.2	112.5	113.8	114.4	114.4	115.1	115.7	116.4	116.4
67.5°	97.2	98.5	99.1	101.0	100.4	101.0	101.7	101.7	102.3	102.3
70°	84.4	85.0	86.3	86.9	86.9	87.6	88.2	88.2	88.2	88.9
72.5°	71.6	72.2	72.9	73.5	73.5	74.2	74.8	74.8	75.4	75.4
75°	58.2	59.5	60.1	61.4	60.7	61.4	62.7	62.7	62.7	62.7
77.5°	46.7	47.3	48.6	49.2	49.2	49.2	50.5	49.9	50.5	50.5
80°	35.2	35.8	37.1	37.7	37.7	38.4	39.0	39.0	39.0	39.6
82.5°	24.9	26.2	27.5	28.1	28.1	28.8	29.4	29.4	30.0	30.0
85°	17.3	18.5	19.8	19.8	20.5	21.1	21.7	21.7	21.7	21.7
87.5°	11.5	12.1	12.8	13.4	14.1	14.1	14.7	14.7	15.3	15.3
90°	6.4	7.0	7.7	8.3	8.3	9.0	9.0	9.6	9.6	9.6
92.5°	9.0	9.0	9.6	10.2	10.2	10.2	10.2	10.9	10.9	10.9
95°	19.2	19.8	19.8	21.1	21.1	21.1	21.7	21.7	21.7	21.7
97.5°	37.1	37.1	37.1	38.4	38.4	38.4	39.0	39.0	39.0	39.6
100°	58.2	58.8	58.8	60.7	60.1	61.4	61.4	61.4	61.4	62.0
102.5°	81.8	83.1	83.8	85.7	85.7	85.7	86.9	86.3	86.9	86.9
105°	107.4	108.7	109.3	111.2	112.5	112.5	113.8	113.2	113.8	114.4
107.5°	133.0	134.9	136.2	138.1	139.4	140.0	140.0	140.7	141.3	141.9
110°	159.2	161.1	164.3	166.2	166.9	168.1	168.8	169.4	170.1	171.3





TEST NUMBER: P395531

CATALOG NUMBER: I3-FL-30L92765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	186.7	188.6	191.2	193.7	193.1	195.0	196.3	196.9	197.6	196.9
115°	211.6	214.2	216.7	219.3	219.3	220.6	223.1	223.8	223.8	225.0
117.5°	235.3	238.5	241.0	243.6	244.2	245.5	247.4	249.3	249.3	250.6
120°	258.3	262.1	264.7	267.2	268.5	269.2	271.1	273.6	273.6	273.6
122.5°	280.0	283.2	286.4	289.0	290.3	291.5	292.8	296.0	296.0	297.3
125°	300.5	304.3	307.5	310.1	311.4	312.6	315.2	317.1	317.8	317.8
127.5°	319.7	323.5	326.7	329.9	330.5	331.8	334.4	336.9	337.6	338.2
130°	337.6	341.4	344.6	347.8	349.1	349.7	352.9	354.8	356.1	356.8
132.5°	353.6	357.4	360.6	363.8	365.1	366.3	368.3	371.5	372.1	372.1
135°	368.3	372.1	375.3	379.1	379.8	381.0	383.6	385.5	386.8	387.4
137.5°	381.7	385.5	389.4	392.6	393.8	394.5	397.0	399.6	400.9	401.5
140°	393.8	397.7	401.5	404.1	404.7	406.6	408.5	411.1	412.4	413.0
142.5°	405.3	408.5	411.7	414.9	415.6	416.8	418.8	421.3	422.6	423.2
145°	415.6	418.8	421.3	423.9	424.5	425.8	427.7	429.6	430.9	431.6
147.5°	425.2	427.7	430.3	432.2	432.8	434.1	435.4	436.7	437.9	438.6
150°	433.5	434.7	437.3	438.6	439.2	440.5	441.8	443.1	444.3	445.0
152.5°	439.9	441.8	443.1	445.0	445.6	446.3	447.5	448.8	450.1	450.1
155°	445.0	446.9	448.2	450.1	450.7	451.4	452.7	453.3	454.6	454.6
157.5°	448.8	450.7	452.0	453.3	453.9	454.6	455.2	456.5	457.8	457.8
160°	453.3	453.9	454.6	455.8	455.8	456.5	457.1	457.8	459.0	459.0
162.5°	457.1	457.8	456.5	457.1	456.5	457.1	457.8	458.4	459.0	459.0
165°	458.4	459.7	459.0	459.7	459.7	459.7	459.7	460.3	460.3	460.3
167.5°	458.4	459.7	459.0	459.0	459.7	459.7	460.3	461.0	461.0	461.0
170°	458.4	459.0	458.4	457.8	458.4	458.4	458.4	459.0	459.0	459.0
172.5°	457.8	458.4	457.1	456.5	456.5	456.5	455.8	455.8	455.2	455.2
175°	457.1	457.1	455.8	455.2	455.2	455.2	453.9	453.3	452.7	452.0
177.5°	456.5	456.5	454.6	453.9	453.9	453.3	453.3	452.0	452.0	451.4
180°	455.2	455.2	455.2	455.2	455.2	455.2	455.2	455.2	455.2	455.2

(END OF REPORT)