

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: P395517

Luminaire Tested: **I3-FL-30L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395517
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-30L82765-1D-UNV-W2A-W-4 (3000K)
Description: CORELITE I3, FROSTED TOP COVER
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2585.5 lumens
Efficiency: N/A
Efficacy: 125.5 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

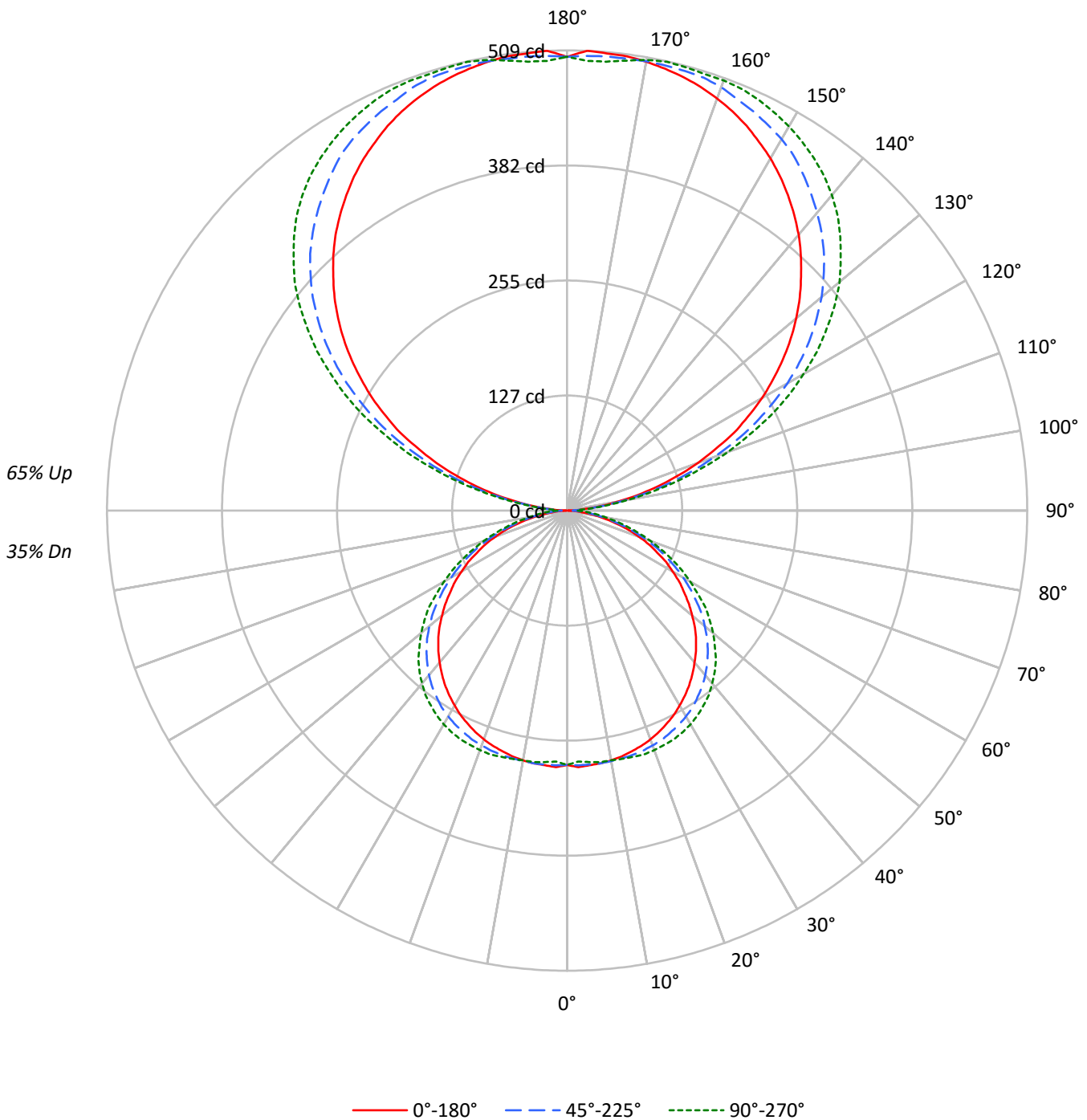
Input Watts (W): 20.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P395517

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (3000K)

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°	1546	1546	1546
5°	1554	1521	1497
10°	1554	1500	1479
15°	1551	1487	1473
20°	1551	1474	1471
25°	1547	1461	1465
30°	1542	1447	1453
35°	1534	1424	1431
40°	1519	1394	1399
45°	1503	1351	1357
50°	1469	1291	1290
55°	1426	1210	1213
60°	1379	1115	1096
65°	1311	999	973
70°	1217	852	822
75°	1059	677	654
80°	826	481	479
85°	450	275	315



TEST NUMBER: P395517

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (3000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.8	1.0
10°-20°	78.9	3.1
20°-30°	124.4	4.8
30°-40°	156.4	6.0
40°-50°	168.1	6.5
50°-60°	154.6	6.0
60°-70°	118.5	4.6
70°-80°	67.5	2.6
80°-90°	21.1	0.8
90°-100°	28.2	1.1
100°-110°	122.5	4.7
110°-120°	224.3	8.7
120°-130°	289.1	11.2
130°-140°	307.7	11.9
140°-150°	283.1	10.9
150°-160°	224.3	8.7
160°-170°	142.0	5.5
170°-180°	48.1	1.9
0°-30°	230.1	8.9
0°-40°	386.5	14.9
0°-60°	709.2	27.4
0°-90°	916.2	35.4
90°-120°	375.0	14.5
90°-150°	1254.9	48.5
90°-180°	1669.0	64.6
0°-180°	2585.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	281	281	281	281	281	
5°	283	280	282	281	279	27
15°	276	274	280	282	282	78
25°	260	261	271	277	279	120
35°	236	238	252	260	263	147
45°	202	207	220	229	233	155
55°	158	164	174	183	187	142
65°	110	114	121	126	128	109
75°	58	59	64	67	69	61
85°	11	13	18	23	24	13
90°	1	2	6	9	11	2
95°	19	18	20	23	24	24
105°	104	109	117	124	126	110
115°	204	213	230	242	248	200
125°	291	304	327	343	350	260
135°	366	378	402	419	427	282
145°	426	435	455	468	476	267
155°	470	475	487	497	501	216
165°	496	496	503	507	508	140
175°	508	504	504	502	498	48
180°	502	502	502	502	502	



TEST NUMBER: P395517

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3
2.5°	284.1	283.4	282.7	281.3	281.3	280.6	280.6	280.6	280.6	281.3	282.0
5°	282.7	282.7	282.0	280.6	280.6	279.9	279.9	280.6	279.9	280.6	282.0
7.5°	282.0	282.0	281.3	279.9	279.9	279.9	279.9	279.9	279.9	280.6	282.0
10°	280.6	280.6	279.2	278.5	278.5	278.5	278.5	279.2	279.2	279.9	281.3
12.5°	278.5	277.8	277.1	276.4	276.4	276.4	277.1	277.8	277.8	279.2	280.6
15°	275.7	275.7	275.0	274.3	274.3	274.3	275.0	275.7	276.4	277.8	279.9
17.5°	272.9	272.9	272.2	272.2	272.2	272.2	272.9	273.6	275.0	276.4	278.5
20°	269.3	269.3	268.6	268.6	268.6	269.3	269.3	270.7	272.2	274.3	276.4
22.5°	265.1	265.1	265.1	264.4	265.1	265.8	266.5	267.9	269.3	271.4	274.3
25°	260.2	260.2	260.2	260.2	260.9	260.9	262.3	263.7	265.1	267.9	270.7
27.5°	255.2	255.2	255.2	254.5	255.9	256.6	257.3	259.5	260.9	264.4	267.2
30°	248.9	248.9	248.9	249.6	250.3	251.0	252.4	254.5	255.9	259.5	263.0
32.5°	242.5	242.5	242.5	242.5	244.7	245.4	246.1	248.2	251.0	254.5	258.1
35°	235.5	235.5	235.5	236.2	237.6	238.3	239.7	241.8	244.7	248.2	251.7
37.5°	227.7	228.4	228.4	229.1	230.6	232.0	233.4	235.5	238.3	241.8	245.4
40°	219.3	220.0	220.0	220.7	222.1	223.5	224.9	227.7	230.6	234.1	237.6
42.5°	210.8	211.5	211.5	212.9	214.3	215.7	217.2	220.0	222.8	226.3	229.1
45°	201.6	202.4	202.4	203.8	205.9	206.6	208.7	211.5	214.3	217.2	220.0
47.5°	191.8	192.5	192.5	193.9	196.0	197.4	198.8	201.6	203.8	207.3	210.1
50°	180.5	181.2	181.9	183.3	186.1	187.5	189.0	191.1	193.9	196.0	198.8
52.5°	169.9	169.9	170.6	172.0	174.2	175.6	176.3	178.4	181.9	184.7	187.5
55°	157.9	158.6	159.3	160.8	162.9	164.3	165.0	167.1	169.2	171.3	174.2
57.5°	147.4	147.4	148.1	149.5	151.6	152.3	153.0	154.4	157.2	159.3	161.5
60°	134.7	135.4	136.1	137.5	138.9	140.3	140.3	142.4	144.5	146.7	148.1
62.5°	123.4	123.4	124.1	125.5	126.2	127.6	127.6	129.7	131.1	133.3	134.7
65°	110.0	110.7	111.4	112.1	113.5	113.5	114.2	115.6	117.0	118.5	120.6
67.5°	98.0	98.0	98.7	99.4	100.1	100.1	100.8	102.2	103.6	105.1	106.5
70°	84.6	85.3	85.3	85.3	86.0	86.7	87.4	88.1	89.5	90.2	91.7
72.5°	71.2	71.2	71.9	71.9	72.6	73.3	74.0	74.7	75.4	76.9	77.6
75°	57.8	57.8	58.5	58.5	59.2	59.2	59.2	60.6	61.3	62.8	63.5
77.5°	44.4	45.1	45.1	45.1	45.8	46.5	46.5	47.2	48.6	49.4	50.1
80°	32.4	32.4	32.4	32.4	33.1	33.8	34.5	34.5	36.0	37.4	38.1
82.5°	20.4	20.4	21.2	21.9	21.9	22.6	23.3	24.0	25.4	26.1	26.8
85°	10.6	10.6	11.3	12.0	12.7	13.4	13.4	14.1	15.5	16.9	17.6
87.5°	3.5	4.2	4.2	4.9	5.6	6.3	7.1	7.8	9.2	10.6	11.3
90°	0.7	0.7	0.7	1.4	2.1	2.1	2.8	3.5	4.2	4.9	6.3
92.5°	6.3	6.3	5.6	6.3	6.3	6.3	6.3	7.1	7.8	7.8	9.2
95°	19.0	18.3	18.3	18.3	18.3	18.3	18.3	19.0	19.7	19.7	20.4
97.5°	36.7	36.7	36.0	36.0	36.7	36.7	36.7	37.4	38.8	38.1	39.5
100°	57.1	57.1	56.4	57.1	57.8	58.5	59.9	59.9	61.3	61.3	63.5
102.5°	80.4	80.4	79.7	81.1	81.8	83.2	83.2	84.6	86.7	86.7	89.5
105°	103.6	104.3	104.3	105.8	107.2	108.6	108.6	110.7	113.5	113.5	117.0
107.5°	129.0	129.7	129.7	131.1	132.6	134.0	134.7	137.5	140.3	141.0	145.2
110°	153.7	154.4	155.1	156.5	157.9	160.0	161.5	164.3	167.8	169.2	172.7



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CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	177.0	179.8	180.5	182.6	184.7	186.8	188.3	191.8	196.0	198.1	202.4
115°	203.8	205.2	205.9	208.0	210.8	212.9	214.3	217.9	222.1	224.9	229.9
117.5°	225.6	229.1	229.9	232.0	234.8	236.9	238.3	242.5	247.5	251.0	255.9
120°	248.9	251.7	254.5	255.9	258.1	260.9	262.3	266.5	272.2	275.7	281.3
122.5°	270.0	272.9	275.7	277.8	280.6	282.0	284.1	289.1	294.7	298.9	304.6
125°	291.2	294.7	296.8	298.9	302.5	303.9	306.0	310.9	316.6	321.5	327.1
127.5°	311.6	313.8	317.3	318.7	322.2	323.6	325.7	331.4	337.0	342.0	347.6
130°	330.7	333.5	336.3	337.0	341.3	343.4	345.5	350.4	356.8	361.7	367.3
132.5°	349.0	350.4	353.9	356.1	359.6	361.7	363.8	368.0	374.4	379.3	385.0
135°	365.9	367.3	371.6	373.7	375.8	377.9	380.7	385.0	391.3	396.2	401.9
137.5°	382.8	384.3	388.5	390.6	392.0	394.1	396.2	400.5	406.8	411.8	416.7
140°	398.4	399.8	402.6	405.4	406.8	408.2	410.3	414.6	420.2	425.2	430.1
142.5°	412.5	413.9	416.7	419.5	421.6	421.6	423.7	427.3	433.6	438.5	442.8
145°	425.9	426.6	429.4	432.2	435.0	435.0	435.7	439.3	444.9	450.5	454.8
147.5°	438.5	439.3	441.4	444.2	446.3	447.0	448.4	449.8	455.5	461.1	466.0
150°	449.8	450.5	451.9	454.8	456.2	457.6	459.0	459.7	463.9	468.9	474.5
152.5°	459.7	460.4	461.8	463.9	465.3	466.8	468.2	470.3	472.4	477.3	480.9
155°	469.6	470.3	471.0	473.1	474.5	475.2	475.9	478.7	480.9	483.7	487.2
157.5°	478.0	478.0	478.7	480.1	481.6	481.6	482.3	485.1	487.2	490.0	492.1
160°	485.1	485.1	485.8	487.2	487.2	487.9	488.6	490.7	492.1	495.7	498.5
162.5°	491.4	490.7	491.4	492.1	492.1	492.1	492.8	494.2	496.4	499.2	502.0
165°	496.4	496.4	496.4	497.1	497.1	496.4	496.4	497.8	499.2	501.3	503.4
167.5°	500.6	500.6	499.9	500.6	499.9	499.9	499.2	499.9	500.6	502.7	504.1
170°	504.1	503.4	503.4	503.4	502.7	502.0	502.0	502.0	502.0	503.4	504.8
172.5°	506.9	506.2	505.5	505.5	504.1	503.4	503.4	502.7	502.7	503.4	504.1
175°	507.6	506.9	506.2	506.2	504.8	504.1	503.4	503.4	502.7	503.4	504.1
177.5°	509.1	508.4	506.9	506.9	505.5	504.1	504.1	503.4	502.7	503.4	503.4
180°	502.0	502.0	502.0	502.0	502.0	502.0	502.0	502.0	502.0	502.0	502.0



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CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3	281.3
2.5°	282.7	282.7	282.0	281.3	281.3	280.6	279.9	279.2	278.5	277.8
5°	282.7	282.0	281.3	281.3	280.6	280.6	280.6	279.9	279.2	279.2
7.5°	282.7	282.7	282.0	281.3	281.3	281.3	281.3	281.3	280.6	280.6
10°	282.7	282.0	282.0	282.0	281.3	282.0	282.0	281.3	281.3	280.6
12.5°	282.0	282.0	282.0	282.0	282.0	282.0	282.0	282.0	282.0	281.3
15°	280.6	281.3	281.3	282.0	282.0	282.0	282.7	282.7	282.0	282.0
17.5°	279.9	280.6	281.3	282.0	282.0	282.0	282.7	282.7	282.7	282.7
20°	278.5	279.2	279.9	280.6	280.6	281.3	281.3	282.0	282.0	282.0
22.5°	275.7	276.4	277.8	278.5	279.2	279.9	280.6	280.6	280.6	280.6
25°	272.9	274.3	275.0	276.4	277.1	277.8	278.5	278.5	278.5	279.2
27.5°	269.3	270.7	272.9	273.6	274.3	275.0	275.7	276.4	276.4	276.4
30°	265.1	267.2	268.6	270.0	270.7	271.4	272.2	272.2	272.9	272.9
32.5°	260.2	262.3	263.7	265.1	265.8	266.5	267.9	267.9	268.6	268.6
35°	253.8	255.9	258.1	259.5	260.2	260.9	262.3	263.0	263.0	263.0
37.5°	247.5	249.6	251.7	253.8	254.5	255.2	256.6	256.6	257.3	257.3
40°	239.7	241.8	244.0	246.1	246.1	247.5	248.2	248.9	249.6	249.6
42.5°	232.0	234.1	235.5	237.6	238.3	239.0	239.7	241.1	241.1	241.8
45°	222.8	224.9	226.3	228.4	229.1	229.9	231.3	232.0	232.7	232.7
47.5°	212.9	214.3	215.7	217.9	219.3	220.0	220.7	221.4	222.1	221.4
50°	201.6	203.1	205.2	207.3	208.0	208.7	210.1	210.1	210.8	210.8
52.5°	189.7	191.8	193.2	195.3	196.0	196.7	198.1	198.1	198.8	198.8
55°	176.3	177.7	179.1	182.6	183.3	184.0	185.4	185.4	186.1	186.8
57.5°	163.6	164.3	166.4	167.8	169.2	169.2	169.9	170.6	171.3	171.3
60°	150.2	150.9	152.3	154.4	154.4	155.1	156.5	156.5	157.2	157.2
62.5°	136.1	137.5	138.9	141.0	140.3	141.0	142.4	142.4	143.1	143.1
65°	122.0	122.7	124.1	125.5	126.2	126.2	126.9	127.6	128.3	128.3
67.5°	107.2	108.6	109.3	111.4	110.7	111.4	112.1	112.1	112.8	112.8
70°	93.1	93.8	95.2	95.9	95.9	96.6	97.3	97.3	97.3	98.0
72.5°	79.0	79.7	80.4	81.1	81.1	81.8	82.5	82.5	83.2	83.2
75°	64.2	65.6	66.3	67.7	67.0	67.7	69.1	69.1	69.1	69.1
77.5°	51.5	52.2	53.6	54.3	54.3	54.3	55.7	55.0	55.7	55.7
80°	38.8	39.5	40.9	41.6	41.6	42.3	43.0	43.0	43.0	43.7
82.5°	27.5	28.9	30.3	31.0	31.0	31.7	32.4	32.4	33.1	33.1
85°	19.0	20.4	21.9	21.9	22.6	23.3	24.0	24.0	24.0	24.0
87.5°	12.7	13.4	14.1	14.8	15.5	15.5	16.2	16.2	16.9	16.9
90°	7.1	7.8	8.5	9.2	9.2	9.9	9.9	10.6	10.6	10.6
92.5°	9.9	9.9	10.6	11.3	11.3	11.3	11.3	12.0	12.0	12.0
95°	21.2	21.9	21.9	23.3	23.3	23.3	24.0	24.0	24.0	24.0
97.5°	40.9	40.9	40.9	42.3	42.3	42.3	43.0	43.0	43.0	43.7
100°	64.2	64.9	64.9	67.0	66.3	67.7	67.7	67.7	67.7	68.4
102.5°	90.2	91.7	92.4	94.5	94.5	94.5	95.9	95.2	95.9	95.9
105°	118.5	119.9	120.6	122.7	124.1	124.1	125.5	124.8	125.5	126.2
107.5°	146.7	148.8	150.2	152.3	153.7	154.4	154.4	155.1	155.8	156.5
110°	175.6	177.7	181.2	183.3	184.0	185.4	186.1	186.8	187.5	189.0



TEST NUMBER: P395517

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	205.9	208.0	210.8	213.6	212.9	215.0	216.5	217.2	217.9	217.2
115°	233.4	236.2	239.0	241.8	241.8	243.2	246.1	246.8	246.8	248.2
117.5°	259.5	263.0	265.8	268.6	269.3	270.7	272.9	275.0	275.0	276.4
120°	284.8	289.1	291.9	294.7	296.1	296.8	298.9	301.8	301.8	301.8
122.5°	308.8	312.3	315.9	318.7	320.1	321.5	322.9	326.4	326.4	327.9
125°	331.4	335.6	339.1	342.0	343.4	344.8	347.6	349.7	350.4	350.4
127.5°	352.5	356.8	360.3	363.8	364.5	365.9	368.7	371.6	372.3	373.0
130°	372.3	376.5	380.0	383.6	385.0	385.7	389.2	391.3	392.7	393.4
132.5°	389.9	394.1	397.7	401.2	402.6	404.0	406.1	409.6	410.3	410.3
135°	406.1	410.3	413.9	418.1	418.8	420.2	423.0	425.2	426.6	427.3
137.5°	420.9	425.2	429.4	432.9	434.3	435.0	437.8	440.7	442.1	442.8
140°	434.3	438.5	442.8	445.6	446.3	448.4	450.5	453.4	454.8	455.5
142.5°	447.0	450.5	454.1	457.6	458.3	459.7	461.8	464.6	466.0	466.8
145°	458.3	461.8	464.6	467.5	468.2	469.6	471.7	473.8	475.2	475.9
147.5°	468.9	471.7	474.5	476.6	477.3	478.7	480.1	481.6	483.0	483.7
150°	478.0	479.4	482.3	483.7	484.4	485.8	487.2	488.6	490.0	490.7
152.5°	485.1	487.2	488.6	490.7	491.4	492.1	493.5	495.0	496.4	496.4
155°	490.7	492.8	494.2	496.4	497.1	497.8	499.2	499.9	501.3	501.3
157.5°	495.0	497.1	498.5	499.9	500.6	501.3	502.0	503.4	504.8	504.8
160°	499.9	500.6	501.3	502.7	502.7	503.4	504.1	504.8	506.2	506.2
162.5°	504.1	504.8	503.4	504.1	503.4	504.1	504.8	505.5	506.2	506.2
165°	505.5	506.9	506.2	506.9	506.9	506.9	506.9	507.6	507.6	507.6
167.5°	505.5	506.9	506.2	506.2	506.9	506.9	507.6	508.4	508.4	508.4
170°	505.5	506.2	505.5	504.8	505.5	505.5	505.5	506.2	506.2	506.2
172.5°	504.8	505.5	504.1	503.4	503.4	503.4	502.7	502.7	502.0	502.0
175°	504.1	504.1	502.7	502.0	502.0	502.0	500.6	499.9	499.2	498.5
177.5°	503.4	503.4	501.3	500.6	500.6	499.9	499.9	498.5	498.5	497.8
180°	502.0	502.0	502.0	502.0	502.0	502.0	502.0	502.0	502.0	502.0

(END OF REPORT)