

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: P395520

Luminaire Tested: **I3-FL-30L82765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395520
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 (4500K)
Description: CORELITE I3, FROSTED TOP COVER
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2782.7 lumens
Efficiency: N/A
Efficacy: 131.9 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

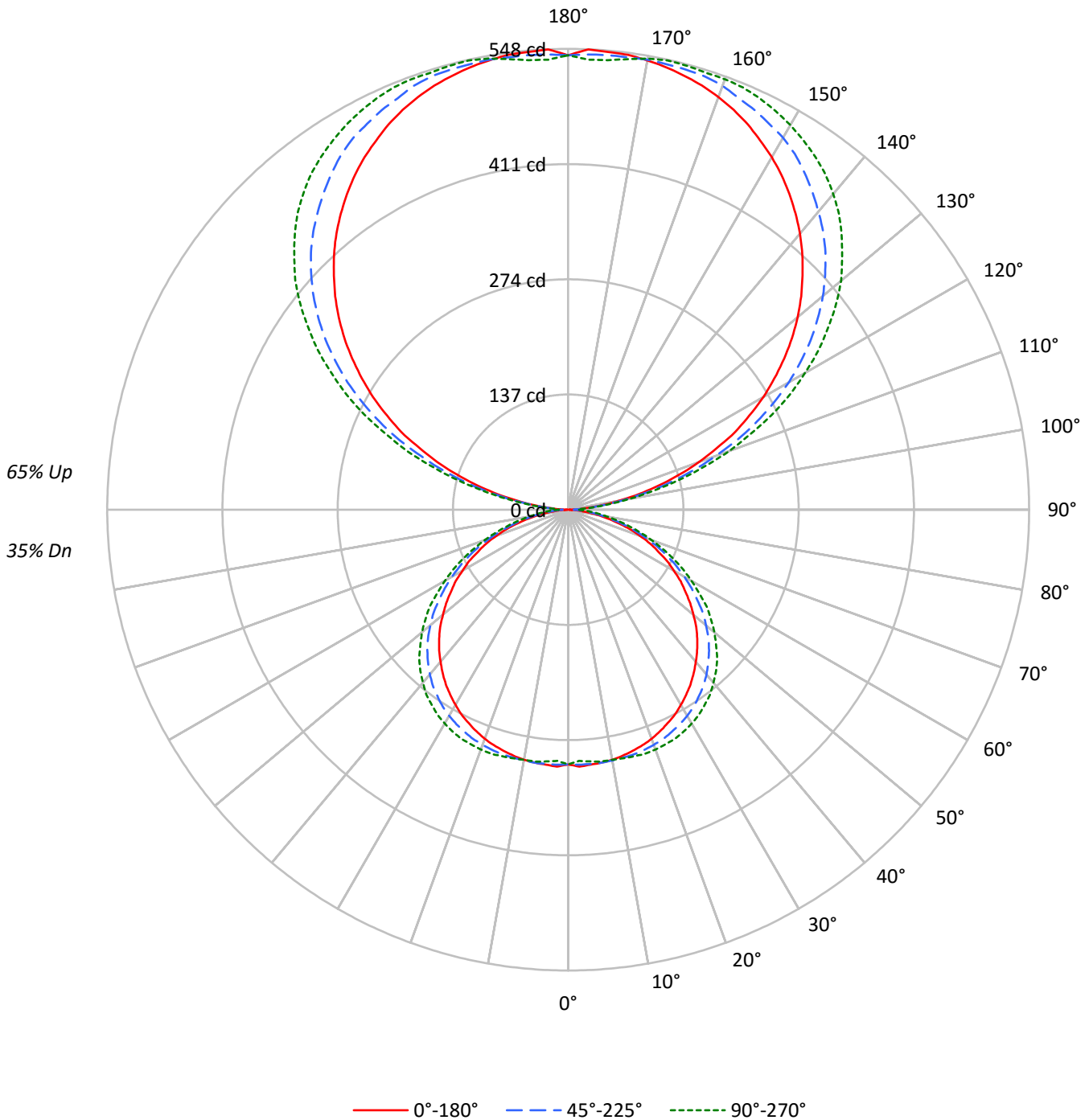
Input Watts (W): 21.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (4500K)

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°	1664	1664	1664
5°	1673	1636	1611
10°	1673	1614	1592
15°	1669	1601	1585
20°	1670	1587	1583
25°	1665	1572	1577
30°	1660	1557	1563
35°	1652	1533	1540
40°	1635	1500	1506
45°	1618	1454	1460
50°	1581	1390	1389
55°	1536	1302	1306
60°	1484	1200	1179
65°	1411	1075	1047
70°	1311	916	885
75°	1140	728	704
80°	890	518	515
85°	484	297	338



TEST NUMBER: P395520

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (4500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.9	1.0
10°-20°	84.9	3.1
20°-30°	133.9	4.8
30°-40°	168.3	6.0
40°-50°	180.9	6.5
50°-60°	166.4	6.0
60°-70°	127.5	4.6
70°-80°	72.6	2.6
80°-90°	22.7	0.8
90°-100°	30.3	1.1
100°-110°	131.9	4.7
110°-120°	241.4	8.7
120°-130°	311.2	11.2
130°-140°	331.1	11.9
140°-150°	304.7	10.9
150°-160°	241.4	8.7
160°-170°	152.8	5.5
170°-180°	51.7	1.9
0°-30°	247.7	8.9
0°-40°	416.0	14.9
0°-60°	763.3	27.4
0°-90°	986.1	35.4
90°-120°	403.6	14.5
90°-150°	1350.6	48.5
90°-180°	1797.0	64.6
0°-180°	2782.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	303	303	303	303	303	
5°	304	301	304	302	300	29
15°	297	295	301	304	304	84
25°	280	281	291	298	300	129
35°	254	256	271	280	283	158
45°	217	222	237	247	250	167
55°	170	177	187	197	201	152
65°	118	122	130	136	138	117
75°	62	64	68	72	74	66
85°	11	14	19	24	26	14
90°	1	2	7	10	11	2
95°	20	20	22	25	26	26
105°	112	117	126	134	136	119
115°	219	229	247	260	267	215
125°	313	327	352	370	377	280
135°	394	407	432	451	460	304
145°	458	468	490	504	512	287
155°	505	512	524	535	540	233
165°	534	534	542	546	546	151
175°	546	543	543	540	536	52
180°	540	540	540	540	540	



TEST NUMBER: P395520

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8
2.5°	305.8	305.1	304.3	302.8	302.8	302.0	302.0	302.0	302.0	302.8	303.5
5°	304.3	304.3	303.5	302.0	302.0	301.3	301.3	302.0	301.3	302.0	303.5
7.5°	303.5	303.5	302.8	301.3	301.3	301.3	301.3	301.3	301.3	302.0	303.5
10°	302.0	302.0	300.5	299.7	299.7	299.7	299.7	300.5	300.5	301.3	302.8
12.5°	299.7	299.0	298.2	297.5	297.5	297.5	298.2	299.0	299.0	300.5	302.0
15°	296.7	296.7	295.9	295.2	295.2	295.2	295.9	296.7	297.5	299.0	301.3
17.5°	293.7	293.7	292.9	292.9	292.9	292.9	293.7	294.4	295.9	297.5	299.7
20°	289.9	289.9	289.1	289.1	289.1	289.9	289.9	291.4	292.9	295.2	297.5
22.5°	285.3	285.3	285.3	284.6	285.3	286.1	286.8	288.4	289.9	292.2	295.2
25°	280.0	280.0	280.0	280.0	280.8	280.8	282.3	283.8	285.3	288.4	291.4
27.5°	274.7	274.7	274.7	273.9	275.5	276.2	277.0	279.3	280.8	284.6	287.6
30°	267.9	267.9	267.9	268.6	269.4	270.1	271.7	273.9	275.5	279.3	283.0
32.5°	261.0	261.0	261.0	261.0	263.3	264.1	264.8	267.1	270.1	273.9	277.7
35°	253.5	253.5	253.5	254.2	255.7	256.5	258.0	260.3	263.3	267.1	270.9
37.5°	245.1	245.9	245.9	246.6	248.1	249.7	251.2	253.5	256.5	260.3	264.1
40°	236.0	236.8	236.8	237.5	239.0	240.6	242.1	245.1	248.1	251.9	255.7
42.5°	226.9	227.7	227.7	229.2	230.7	232.2	233.7	236.8	239.8	243.6	246.6
45°	217.0	217.8	217.8	219.3	221.6	222.3	224.6	227.7	230.7	233.7	236.8
47.5°	206.4	207.2	207.2	208.7	211.0	212.5	214.0	217.0	219.3	223.1	226.1
50°	194.3	195.0	195.8	197.3	200.3	201.9	203.4	205.6	208.7	211.0	214.0
52.5°	182.9	182.9	183.6	185.2	187.4	189.0	189.7	192.0	195.8	198.8	201.9
55°	170.0	170.7	171.5	173.0	175.3	176.8	177.6	179.8	182.1	184.4	187.4
57.5°	158.6	158.6	159.4	160.9	163.2	163.9	164.7	166.2	169.2	171.5	173.8
60°	144.9	145.7	146.5	148.0	149.5	151.0	151.0	153.3	155.6	157.8	159.4
62.5°	132.8	132.8	133.6	135.1	135.8	137.4	137.4	139.6	141.1	143.4	144.9
65°	118.4	119.1	119.9	120.7	122.2	122.2	122.9	124.4	126.0	127.5	129.8
67.5°	105.5	105.5	106.2	107.0	107.8	107.8	108.5	110.0	111.5	113.1	114.6
70°	91.1	91.8	91.8	91.8	92.6	93.3	94.1	94.9	96.4	97.1	98.6
72.5°	76.6	76.6	77.4	77.4	78.2	78.9	79.7	80.4	81.2	82.7	83.5
75°	62.2	62.2	63.0	63.0	63.7	63.7	63.7	65.3	66.0	67.5	68.3
77.5°	47.8	48.6	48.6	48.6	49.3	50.1	50.1	50.8	52.4	53.1	53.9
80°	34.9	34.9	34.9	34.9	35.7	36.4	37.2	37.2	38.7	40.2	41.0
82.5°	22.0	22.0	22.8	23.5	23.5	24.3	25.0	25.8	27.3	28.1	28.8
85°	11.4	11.4	12.1	12.9	13.7	14.4	14.4	15.2	16.7	18.2	19.0
87.5°	3.8	4.6	4.6	5.3	6.1	6.8	7.6	8.3	9.9	11.4	12.1
90°	0.8	0.8	0.8	1.5	2.3	2.3	3.0	3.8	4.6	5.3	6.8
92.5°	6.8	6.8	6.1	6.8	6.8	6.8	6.8	7.6	8.3	8.3	9.9
95°	20.5	19.7	19.7	19.7	19.7	19.7	19.7	20.5	21.2	21.2	22.0
97.5°	39.5	39.5	38.7	38.7	39.5	39.5	39.5	40.2	41.7	41.0	42.5
100°	61.5	61.5	60.7	61.5	62.2	63.0	64.5	64.5	66.0	66.0	68.3
102.5°	86.5	86.5	85.7	87.3	88.0	89.5	89.5	91.1	93.3	93.3	96.4
105°	111.5	112.3	112.3	113.8	115.3	116.9	116.9	119.1	122.2	122.2	126.0
107.5°	138.9	139.6	139.6	141.1	142.7	144.2	144.9	148.0	151.0	151.8	156.3
110°	165.4	166.2	166.9	168.5	170.0	172.3	173.8	176.8	180.6	182.1	185.9



TEST NUMBER: P395520

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	190.5	193.5	194.3	196.5	198.8	201.1	202.6	206.4	211.0	213.2	217.8
115°	219.3	220.8	221.6	223.9	226.9	229.2	230.7	234.5	239.0	242.1	247.4
117.5°	242.8	246.6	247.4	249.7	252.7	255.0	256.5	261.0	266.4	270.1	275.5
120°	267.9	270.9	273.9	275.5	277.7	280.8	282.3	286.8	292.9	296.7	302.8
122.5°	290.6	293.7	296.7	299.0	302.0	303.5	305.8	311.1	317.2	321.7	327.8
125°	313.4	317.2	319.5	321.7	325.5	327.1	329.3	334.6	340.7	346.0	352.1
127.5°	335.4	337.7	341.5	343.0	346.8	348.3	350.6	356.7	362.7	368.0	374.1
130°	355.9	358.9	362.0	362.7	367.3	369.6	371.8	377.1	384.0	389.3	395.4
132.5°	375.6	377.1	380.9	383.2	387.0	389.3	391.6	396.1	402.9	408.3	414.3
135°	393.8	395.4	399.9	402.2	404.5	406.7	409.8	414.3	421.2	426.5	432.5
137.5°	412.1	413.6	418.1	420.4	421.9	424.2	426.5	431.0	437.9	443.2	448.5
140°	428.7	430.3	433.3	436.3	437.9	439.4	441.6	446.2	452.3	457.6	462.9
142.5°	443.9	445.4	448.5	451.5	453.8	453.8	456.1	459.9	466.7	472.0	476.6
145°	458.3	459.1	462.1	465.2	468.2	468.2	469.0	472.8	478.8	484.9	489.5
147.5°	472.0	472.8	475.0	478.1	480.3	481.1	482.6	484.1	490.2	496.3	501.6
150°	484.1	484.9	486.4	489.5	491.0	492.5	494.0	494.8	499.3	504.6	510.7
152.5°	494.8	495.5	497.0	499.3	500.8	502.4	503.9	506.1	508.4	513.7	517.5
155°	505.4	506.1	506.9	509.2	510.7	511.5	512.2	515.3	517.5	520.6	524.4
157.5°	514.5	514.5	515.3	516.8	518.3	518.3	519.0	522.1	524.4	527.4	529.7
160°	522.1	522.1	522.8	524.4	524.4	525.1	525.9	528.2	529.7	533.5	536.5
162.5°	528.9	528.2	528.9	529.7	529.7	529.7	530.4	531.9	534.2	537.3	540.3
165°	534.2	534.2	534.2	535.0	535.0	534.2	534.2	535.7	537.3	539.5	541.8
167.5°	538.8	538.8	538.0	538.8	538.0	538.0	537.3	538.0	538.8	541.1	542.6
170°	542.6	541.8	541.8	541.8	541.1	540.3	540.3	540.3	540.3	541.8	543.3
172.5°	545.6	544.8	544.1	544.1	542.6	541.8	541.8	541.1	541.1	541.8	542.6
175°	546.4	545.6	544.8	544.8	543.3	542.6	541.8	541.8	541.1	541.8	542.6
177.5°	547.9	547.1	545.6	545.6	544.1	542.6	542.6	541.8	541.1	541.8	541.8
180°	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8
2.5°	304.3	304.3	303.5	302.8	302.8	302.0	301.3	300.5	299.7	299.0
5°	304.3	303.5	302.8	302.8	302.0	302.0	302.0	301.3	300.5	300.5
7.5°	304.3	304.3	303.5	302.8	302.8	302.8	302.8	302.8	302.0	302.0
10°	304.3	303.5	303.5	303.5	302.8	303.5	303.5	302.8	302.8	302.0
12.5°	303.5	303.5	303.5	303.5	303.5	303.5	303.5	303.5	303.5	302.8
15°	302.0	302.8	302.8	303.5	303.5	303.5	304.3	304.3	303.5	303.5
17.5°	301.3	302.0	302.8	303.5	303.5	303.5	304.3	304.3	304.3	304.3
20°	299.7	300.5	301.3	302.0	302.0	302.8	302.8	303.5	303.5	303.5
22.5°	296.7	297.5	299.0	299.7	300.5	301.3	302.0	302.0	302.0	302.0
25°	293.7	295.2	295.9	297.5	298.2	299.0	299.7	299.7	299.7	300.5
27.5°	289.9	291.4	293.7	294.4	295.2	295.9	296.7	297.5	297.5	297.5
30°	285.3	287.6	289.1	290.6	291.4	292.2	292.9	292.9	293.7	293.7
32.5°	280.0	282.3	283.8	285.3	286.1	286.8	288.4	288.4	289.1	289.1
35°	273.2	275.5	277.7	279.3	280.0	280.8	282.3	283.0	283.0	283.0
37.5°	266.4	268.6	270.9	273.2	273.9	274.7	276.2	276.2	277.0	277.0
40°	258.0	260.3	262.6	264.8	264.8	266.4	267.1	267.9	268.6	268.6
42.5°	249.7	251.9	253.5	255.7	256.5	257.2	258.0	259.5	259.5	260.3
45°	239.8	242.1	243.6	245.9	246.6	247.4	248.9	249.7	250.4	250.4
47.5°	229.2	230.7	232.2	234.5	236.0	236.8	237.5	238.3	239.0	238.3
50°	217.0	218.5	220.8	223.1	223.9	224.6	226.1	226.1	226.9	226.9
52.5°	204.1	206.4	207.9	210.2	211.0	211.7	213.2	213.2	214.0	214.0
55°	189.7	191.2	192.7	196.5	197.3	198.1	199.6	199.6	200.3	201.1
57.5°	176.1	176.8	179.1	180.6	182.1	182.1	182.9	183.6	184.4	184.4
60°	161.6	162.4	163.9	166.2	166.2	166.9	168.5	168.5	169.2	169.2
62.5°	146.5	148.0	149.5	151.8	151.0	151.8	153.3	153.3	154.0	154.0
65°	131.3	132.0	133.6	135.1	135.8	135.8	136.6	137.4	138.1	138.1
67.5°	115.3	116.9	117.6	119.9	119.1	119.9	120.7	120.7	121.4	121.4
70°	100.2	100.9	102.4	103.2	103.2	104.0	104.7	104.7	104.7	105.5
72.5°	85.0	85.7	86.5	87.3	87.3	88.0	88.8	88.8	89.5	89.5
75°	69.1	70.6	71.3	72.8	72.1	72.8	74.4	74.4	74.4	74.4
77.5°	55.4	56.2	57.7	58.4	58.4	58.4	59.9	59.2	59.9	59.9
80°	41.7	42.5	44.0	44.8	44.8	45.5	46.3	46.3	46.3	47.0
82.5°	29.6	31.1	32.6	33.4	33.4	34.1	34.9	34.9	35.7	35.7
85°	20.5	22.0	23.5	23.5	24.3	25.0	25.8	25.8	25.8	25.8
87.5°	13.7	14.4	15.2	15.9	16.7	16.7	17.5	17.5	18.2	18.2
90°	7.6	8.3	9.1	9.9	9.9	10.6	10.6	11.4	11.4	11.4
92.5°	10.6	10.6	11.4	12.1	12.1	12.1	12.1	12.9	12.9	12.9
95°	22.8	23.5	23.5	25.0	25.0	25.0	25.8	25.8	25.8	25.8
97.5°	44.0	44.0	44.0	45.5	45.5	45.5	46.3	46.3	46.3	47.0
100°	69.1	69.8	69.8	72.1	71.3	72.8	72.8	72.8	72.8	73.6
102.5°	97.1	98.6	99.4	101.7	101.7	101.7	103.2	102.4	103.2	103.2
105°	127.5	129.0	129.8	132.0	133.6	133.6	135.1	134.3	135.1	135.8
107.5°	157.8	160.1	161.6	163.9	165.4	166.2	166.2	166.9	167.7	168.5
110°	189.0	191.2	195.0	197.3	198.1	199.6	200.3	201.1	201.9	203.4



TEST NUMBER: P395520

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	221.6	223.9	226.9	229.9	229.2	231.4	233.0	233.7	234.5	233.7
115°	251.2	254.2	257.2	260.3	260.3	261.8	264.8	265.6	265.6	267.1
117.5°	279.3	283.0	286.1	289.1	289.9	291.4	293.7	295.9	295.9	297.5
120°	306.6	311.1	314.2	317.2	318.7	319.5	321.7	324.8	324.8	324.8
122.5°	332.4	336.2	340.0	343.0	344.5	346.0	347.5	351.3	351.3	352.9
125°	356.7	361.2	365.0	368.0	369.6	371.1	374.1	376.4	377.1	377.1
127.5°	379.4	384.0	387.8	391.6	392.3	393.8	396.9	399.9	400.7	401.4
130°	400.7	405.2	409.0	412.8	414.3	415.1	418.9	421.2	422.7	423.4
132.5°	419.6	424.2	428.0	431.8	433.3	434.8	437.1	440.9	441.6	441.6
135°	437.1	441.6	445.4	450.0	450.8	452.3	455.3	457.6	459.1	459.9
137.5°	453.0	457.6	462.1	465.9	467.4	468.2	471.2	474.3	475.8	476.6
140°	467.4	472.0	476.6	479.6	480.3	482.6	484.9	487.9	489.5	490.2
142.5°	481.1	484.9	488.7	492.5	493.2	494.8	497.0	500.1	501.6	502.4
145°	493.2	497.0	500.1	503.1	503.9	505.4	507.7	509.9	511.5	512.2
147.5°	504.6	507.7	510.7	513.0	513.7	515.3	516.8	518.3	519.8	520.6
150°	514.5	516.0	519.0	520.6	521.3	522.8	524.4	525.9	527.4	528.2
152.5°	522.1	524.4	525.9	528.2	528.9	529.7	531.2	532.7	534.2	534.2
155°	528.2	530.4	531.9	534.2	535.0	535.7	537.3	538.0	539.5	539.5
157.5°	532.7	535.0	536.5	538.0	538.8	539.5	540.3	541.8	543.3	543.3
160°	538.0	538.8	539.5	541.1	541.1	541.8	542.6	543.3	544.8	544.8
162.5°	542.6	543.3	541.8	542.6	541.8	542.6	543.3	544.1	544.8	544.8
165°	544.1	545.6	544.8	545.6	545.6	545.6	545.6	546.4	546.4	546.4
167.5°	544.1	545.6	544.8	544.8	545.6	545.6	546.4	547.1	547.1	547.1
170°	544.1	544.8	544.1	543.3	544.1	544.1	544.1	544.8	544.8	544.8
172.5°	543.3	544.1	542.6	541.8	541.8	541.8	541.1	541.1	540.3	540.3
175°	542.6	542.6	541.1	540.3	540.3	540.3	538.8	538.0	537.3	536.5
177.5°	541.8	541.8	539.5	538.8	538.8	538.0	538.0	536.5	536.5	535.7
180°	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3

(END OF REPORT)