

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: P395521

Luminaire Tested: **I3-FL-30L82765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395521
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 (5000K)
Description: CORELITE I3, FROSTED TOP COVER
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2821.1 lumens
Efficiency: N/A
Efficacy: 133.1 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

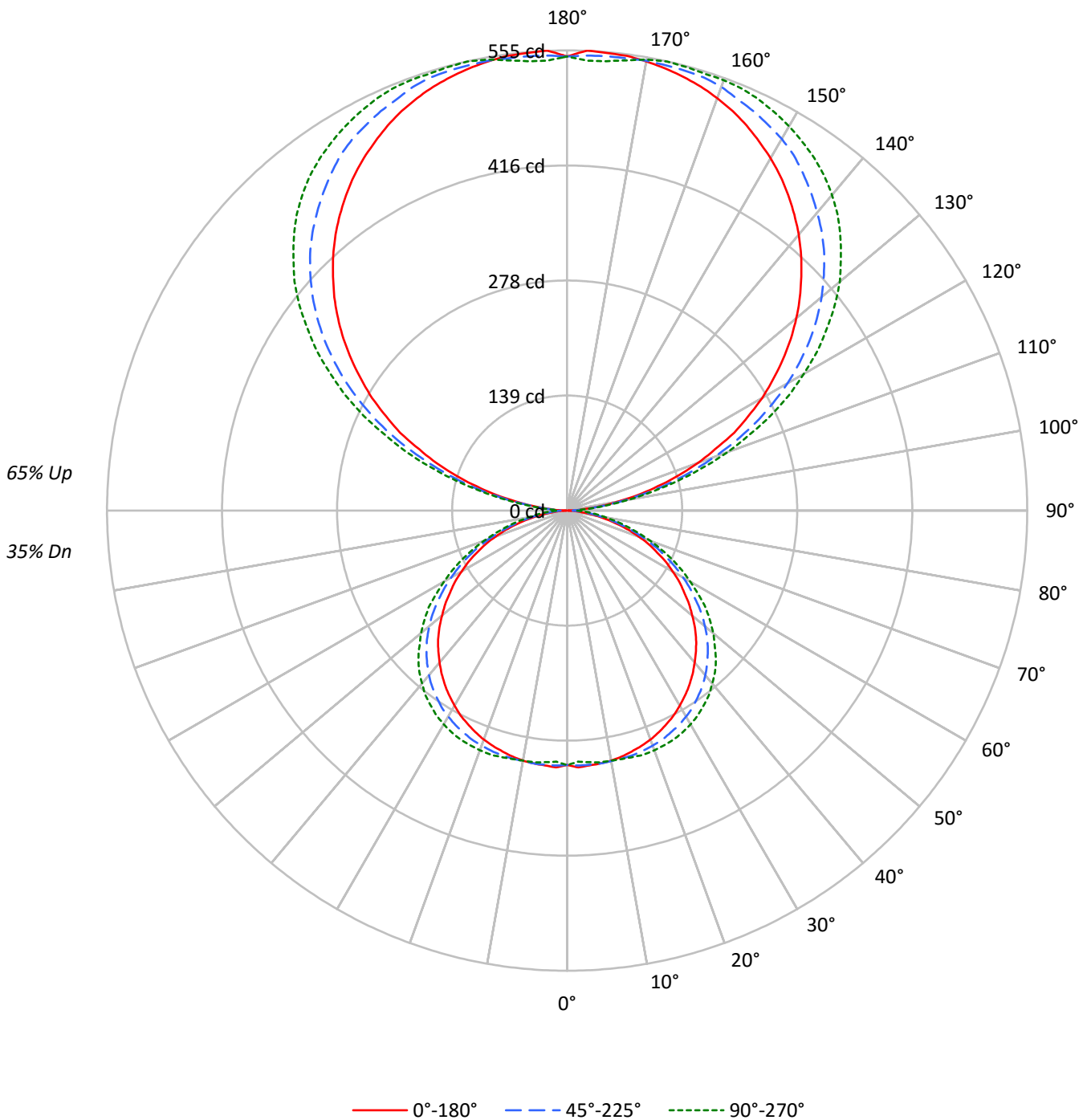
Input Watts (W): 21.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P395521

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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	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°	1687	1687	1687
5°	1696	1659	1633
10°	1696	1636	1614
15°	1692	1622	1607
20°	1693	1609	1605
25°	1688	1594	1599
30°	1682	1579	1584
35°	1674	1553	1561
40°	1658	1521	1527
45°	1640	1474	1480
50°	1602	1409	1408
55°	1557	1320	1324
60°	1504	1216	1196
65°	1430	1089	1062
70°	1328	929	897
75°	1156	738	714
80°	903	524	522
85°	488	300	344



TEST NUMBER: P395521

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (5000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.3	1.0
10°-20°	86.1	3.1
20°-30°	135.7	4.8
30°-40°	170.6	6.0
40°-50°	183.4	6.5
50°-60°	168.7	6.0
60°-70°	129.3	4.6
70°-80°	73.6	2.6
80°-90°	23.0	0.8
90°-100°	30.7	1.1
100°-110°	133.7	4.7
110°-120°	244.8	8.7
120°-130°	315.5	11.2
130°-140°	335.7	11.9
140°-150°	308.9	10.9
150°-160°	244.7	8.7
160°-170°	154.9	5.5
170°-180°	52.5	1.9
0°-30°	251.1	8.9
0°-40°	421.7	14.9
0°-60°	773.9	27.4
0°-90°	999.7	35.4
90°-120°	409.2	14.5
90°-150°	1369.3	48.5
90°-180°	1821.0	64.5
0°-180°	2821.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	307	307	307	307	307	
5°	308	305	308	306	305	29
15°	301	299	305	308	308	85
25°	284	285	295	302	305	131
35°	257	260	275	284	287	161
45°	220	225	240	250	254	169
55°	172	179	190	200	204	154
65°	120	124	132	138	140	119
75°	63	65	69	73	75	67
85°	12	15	19	25	26	15
90°	1	2	7	10	12	2
95°	21	20	22	25	26	26
105°	113	118	128	135	138	120
115°	222	232	251	264	271	218
125°	318	332	357	375	382	284
135°	399	412	438	457	466	308
145°	465	475	496	511	519	291
155°	512	518	532	542	547	236
165°	542	542	549	553	554	153
175°	554	550	550	548	544	53
180°	548	548	548	548	548	



TEST NUMBER: P395521

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	306.9	306.9	306.9	306.9	306.9	306.9	306.9	306.9	306.9	306.9	306.9
2.5°	310.0	309.3	308.5	306.9	306.9	306.2	306.2	306.2	306.2	306.9	307.7
5°	308.5	308.5	307.7	306.2	306.2	305.4	305.4	306.2	305.4	306.2	307.7
7.5°	307.7	307.7	306.9	305.4	305.4	305.4	305.4	305.4	305.4	306.2	307.7
10°	306.2	306.2	304.6	303.9	303.9	303.9	303.9	304.6	304.6	305.4	306.9
12.5°	303.9	303.1	302.3	301.6	301.6	301.6	302.3	303.1	303.1	304.6	306.2
15°	300.8	300.8	300.0	299.3	299.3	299.3	300.0	300.8	301.6	303.1	305.4
17.5°	297.7	297.7	296.9	296.9	296.9	296.9	297.7	298.5	300.0	301.6	303.9
20°	293.9	293.9	293.1	293.1	293.1	293.9	293.9	295.4	296.9	299.3	301.6
22.5°	289.3	289.3	289.3	288.5	289.3	290.0	290.8	292.3	293.9	296.2	299.3
25°	283.9	283.9	283.9	283.9	284.6	284.6	286.2	287.7	289.3	292.3	295.4
27.5°	278.5	278.5	278.5	277.7	279.3	280.0	280.8	283.1	284.6	288.5	291.6
30°	271.6	271.6	271.6	272.3	273.1	273.9	275.4	277.7	279.3	283.1	286.9
32.5°	264.6	264.6	264.6	264.6	266.9	267.7	268.5	270.8	273.9	277.7	281.6
35°	256.9	256.9	256.9	257.7	259.3	260.0	261.6	263.9	266.9	270.8	274.6
37.5°	248.5	249.3	249.3	250.0	251.6	253.1	254.6	256.9	260.0	263.9	267.7
40°	239.3	240.0	240.0	240.8	242.3	243.9	245.4	248.5	251.6	255.4	259.3
42.5°	230.0	230.8	230.8	232.3	233.9	235.4	236.9	240.0	243.1	246.9	250.0
45°	220.0	220.8	220.8	222.3	224.6	225.4	227.7	230.8	233.9	236.9	240.0
47.5°	209.2	210.0	210.0	211.6	213.9	215.4	216.9	220.0	222.3	226.2	229.3
50°	196.9	197.7	198.5	200.0	203.1	204.6	206.2	208.5	211.6	213.9	216.9
52.5°	185.4	185.4	186.2	187.7	190.0	191.6	192.3	194.6	198.5	201.6	204.6
55°	172.3	173.1	173.9	175.4	177.7	179.2	180.0	182.3	184.6	186.9	190.0
57.5°	160.8	160.8	161.6	163.1	165.4	166.2	166.9	168.5	171.6	173.9	176.2
60°	146.9	147.7	148.5	150.0	151.6	153.1	153.1	155.4	157.7	160.0	161.6
62.5°	134.6	134.6	135.4	136.9	137.7	139.2	139.2	141.6	143.1	145.4	146.9
65°	120.0	120.8	121.5	122.3	123.9	123.9	124.6	126.2	127.7	129.2	131.5
67.5°	106.9	106.9	107.7	108.5	109.2	109.2	110.0	111.5	113.1	114.6	116.2
70°	92.3	93.1	93.1	93.1	93.9	94.6	95.4	96.2	97.7	98.5	100.0
72.5°	77.7	77.7	78.5	78.5	79.2	80.0	80.8	81.5	82.3	83.9	84.6
75°	63.1	63.1	63.9	63.9	64.6	64.6	64.6	66.2	66.9	68.5	69.2
77.5°	48.5	49.2	49.2	49.2	50.0	50.8	50.8	51.5	53.1	53.9	54.6
80°	35.4	35.4	35.4	35.4	36.2	36.9	37.7	37.7	39.2	40.8	41.5
82.5°	22.3	22.3	23.1	23.8	23.8	24.6	25.4	26.2	27.7	28.5	29.2
85°	11.5	11.5	12.3	13.1	13.8	14.6	14.6	15.4	16.9	18.5	19.2
87.5°	3.8	4.6	4.6	5.4	6.2	6.9	7.7	8.5	10.0	11.5	12.3
90°	0.8	0.8	0.8	1.5	2.3	2.3	3.1	3.8	4.6	5.4	6.9
92.5°	6.9	6.9	6.2	6.9	6.9	6.9	6.9	7.7	8.5	8.5	10.0
95°	20.8	20.0	20.0	20.0	20.0	20.0	20.0	20.8	21.5	21.5	22.3
97.5°	40.0	40.0	39.2	39.2	40.0	40.0	40.0	40.8	42.3	41.5	43.1
100°	62.3	62.3	61.5	62.3	63.1	63.9	65.4	65.4	66.9	66.9	69.2
102.5°	87.7	87.7	86.9	88.5	89.2	90.8	90.8	92.3	94.6	94.6	97.7
105°	113.1	113.9	113.9	115.4	116.9	118.5	118.5	120.8	123.9	123.9	127.7
107.5°	140.8	141.6	141.6	143.1	144.6	146.2	146.9	150.0	153.1	153.9	158.5
110°	167.7	168.5	169.2	170.8	172.3	174.6	176.2	179.2	183.1	184.6	188.5



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CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	193.1	196.2	196.9	199.2	201.6	203.9	205.4	209.2	213.9	216.2	220.8
115°	222.3	223.9	224.6	226.9	230.0	232.3	233.9	237.7	242.3	245.4	250.8
117.5°	246.2	250.0	250.8	253.1	256.2	258.5	260.0	264.6	270.0	273.9	279.3
120°	271.6	274.6	277.7	279.3	281.6	284.6	286.2	290.8	296.9	300.8	306.9
122.5°	294.6	297.7	300.8	303.1	306.2	307.7	310.0	315.4	321.6	326.2	332.3
125°	317.7	321.6	323.9	326.2	330.0	331.6	333.9	339.3	345.4	350.8	357.0
127.5°	340.0	342.3	346.2	347.7	351.6	353.1	355.4	361.6	367.7	373.1	379.3
130°	360.8	363.9	367.0	367.7	372.3	374.6	377.0	382.3	389.3	394.6	400.8
132.5°	380.8	382.3	386.2	388.5	392.3	394.6	397.0	401.6	408.5	413.9	420.0
135°	399.3	400.8	405.4	407.7	410.0	412.3	415.4	420.0	427.0	432.3	438.5
137.5°	417.7	419.3	423.9	426.2	427.7	430.0	432.3	437.0	443.9	449.3	454.7
140°	434.7	436.2	439.3	442.3	443.9	445.4	447.7	452.3	458.5	463.9	469.3
142.5°	450.0	451.6	454.7	457.7	460.0	460.0	462.3	466.2	473.1	478.5	483.1
145°	464.7	465.4	468.5	471.6	474.7	474.7	475.4	479.3	485.4	491.6	496.2
147.5°	478.5	479.3	481.6	484.7	487.0	487.7	489.3	490.8	497.0	503.1	508.5
150°	490.8	491.6	493.1	496.2	497.7	499.3	500.8	501.6	506.2	511.6	517.7
152.5°	501.6	502.4	503.9	506.2	507.7	509.3	510.8	513.1	515.4	520.8	524.7
155°	512.4	513.1	513.9	516.2	517.7	518.5	519.3	522.4	524.7	527.7	531.6
157.5°	521.6	521.6	522.4	523.9	525.4	525.4	526.2	529.3	531.6	534.7	537.0
160°	529.3	529.3	530.0	531.6	531.6	532.4	533.1	535.4	537.0	540.8	543.9
162.5°	536.2	535.4	536.2	537.0	537.0	537.0	537.7	539.3	541.6	544.7	547.7
165°	541.6	541.6	541.6	542.4	542.4	541.6	541.6	543.1	544.7	547.0	549.3
167.5°	546.2	546.2	545.4	546.2	545.4	545.4	544.7	545.4	546.2	548.5	550.0
170°	550.0	549.3	549.3	549.3	548.5	547.7	547.7	547.7	547.7	549.3	550.8
172.5°	553.1	552.4	551.6	551.6	550.0	549.3	549.3	548.5	548.5	549.3	550.0
175°	553.9	553.1	552.4	552.4	550.8	550.0	549.3	549.3	548.5	549.3	550.0
177.5°	555.4	554.7	553.1	553.1	551.6	550.0	550.0	549.3	548.5	549.3	549.3
180°	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7



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CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	306.9	306.9	306.9	306.9	306.9	306.9	306.9	306.9	306.9	306.9
2.5°	308.5	308.5	307.7	306.9	306.9	306.2	305.4	304.6	303.9	303.1
5°	308.5	307.7	306.9	306.9	306.2	306.2	306.2	305.4	304.6	304.6
7.5°	308.5	308.5	307.7	306.9	306.9	306.9	306.9	306.9	306.2	306.2
10°	308.5	307.7	307.7	307.7	306.9	307.7	307.7	306.9	306.9	306.2
12.5°	307.7	307.7	307.7	307.7	307.7	307.7	307.7	307.7	307.7	306.9
15°	306.2	306.9	306.9	307.7	307.7	307.7	308.5	308.5	307.7	307.7
17.5°	305.4	306.2	306.9	307.7	307.7	307.7	308.5	308.5	308.5	308.5
20°	303.9	304.6	305.4	306.2	306.2	306.9	306.9	307.7	307.7	307.7
22.5°	300.8	301.6	303.1	303.9	304.6	305.4	306.2	306.2	306.2	306.2
25°	297.7	299.3	300.0	301.6	302.3	303.1	303.9	303.9	303.9	304.6
27.5°	293.9	295.4	297.7	298.5	299.3	300.0	300.8	301.6	301.6	301.6
30°	289.3	291.6	293.1	294.6	295.4	296.2	296.9	296.9	297.7	297.7
32.5°	283.9	286.2	287.7	289.3	290.0	290.8	292.3	292.3	293.1	293.1
35°	276.9	279.3	281.6	283.1	283.9	284.6	286.2	286.9	286.9	286.9
37.5°	270.0	272.3	274.6	276.9	277.7	278.5	280.0	280.0	280.8	280.8
40°	261.6	263.9	266.2	268.5	268.5	270.0	270.8	271.6	272.3	272.3
42.5°	253.1	255.4	256.9	259.3	260.0	260.8	261.6	263.1	263.1	263.9
45°	243.1	245.4	246.9	249.3	250.0	250.8	252.3	253.1	253.9	253.9
47.5°	232.3	233.9	235.4	237.7	239.3	240.0	240.8	241.6	242.3	241.6
50°	220.0	221.6	223.9	226.2	226.9	227.7	229.3	229.3	230.0	230.0
52.5°	206.9	209.2	210.8	213.1	213.9	214.6	216.2	216.2	216.9	216.9
55°	192.3	193.9	195.4	199.2	200.0	200.8	202.3	202.3	203.1	203.9
57.5°	178.5	179.2	181.6	183.1	184.6	184.6	185.4	186.2	186.9	186.9
60°	163.9	164.6	166.2	168.5	168.5	169.2	170.8	170.8	171.6	171.6
62.5°	148.5	150.0	151.6	153.9	153.1	153.9	155.4	155.4	156.2	156.2
65°	133.1	133.9	135.4	136.9	137.7	137.7	138.5	139.2	140.0	140.0
67.5°	116.9	118.5	119.2	121.5	120.8	121.5	122.3	122.3	123.1	123.1
70°	101.5	102.3	103.9	104.6	104.6	105.4	106.2	106.2	106.2	106.9
72.5°	86.2	86.9	87.7	88.5	88.5	89.2	90.0	90.0	90.8	90.8
75°	70.0	71.5	72.3	73.9	73.1	73.9	75.4	75.4	75.4	75.4
77.5°	56.2	56.9	58.5	59.2	59.2	59.2	60.8	60.0	60.8	60.8
80°	42.3	43.1	44.6	45.4	45.4	46.2	46.9	46.9	46.9	47.7
82.5°	30.0	31.5	33.1	33.8	33.8	34.6	35.4	35.4	36.2	36.2
85°	20.8	22.3	23.8	23.8	24.6	25.4	26.2	26.2	26.2	26.2
87.5°	13.8	14.6	15.4	16.2	16.9	16.9	17.7	17.7	18.5	18.5
90°	7.7	8.5	9.2	10.0	10.0	10.8	10.8	11.5	11.5	11.5
92.5°	10.8	10.8	11.5	12.3	12.3	12.3	12.3	13.1	13.1	13.1
95°	23.1	23.8	23.8	25.4	25.4	25.4	26.2	26.2	26.2	26.2
97.5°	44.6	44.6	44.6	46.2	46.2	46.2	46.9	46.9	46.9	47.7
100°	70.0	70.8	70.8	73.1	72.3	73.9	73.9	73.9	73.9	74.6
102.5°	98.5	100.0	100.8	103.1	103.1	103.1	104.6	103.9	104.6	104.6
105°	129.2	130.8	131.5	133.9	135.4	135.4	136.9	136.2	136.9	137.7
107.5°	160.0	162.3	163.9	166.2	167.7	168.5	168.5	169.2	170.0	170.8
110°	191.6	193.9	197.7	200.0	200.8	202.3	203.1	203.9	204.6	206.2



TEST NUMBER: P395521

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	224.6	226.9	230.0	233.1	232.3	234.6	236.2	236.9	237.7	236.9
115°	254.6	257.7	260.8	263.9	263.9	265.4	268.5	269.3	269.3	270.8
117.5°	283.1	286.9	290.0	293.1	293.9	295.4	297.7	300.0	300.0	301.6
120°	310.8	315.4	318.5	321.6	323.1	323.9	326.2	329.3	329.3	329.3
122.5°	337.0	340.8	344.6	347.7	349.3	350.8	352.3	356.2	356.2	357.7
125°	361.6	366.2	370.0	373.1	374.6	376.2	379.3	381.6	382.3	382.3
127.5°	384.6	389.3	393.1	397.0	397.7	399.3	402.3	405.4	406.2	407.0
130°	406.2	410.8	414.7	418.5	420.0	420.8	424.7	427.0	428.5	429.3
132.5°	425.4	430.0	433.9	437.7	439.3	440.8	443.1	447.0	447.7	447.7
135°	443.1	447.7	451.6	456.2	457.0	458.5	461.6	463.9	465.4	466.2
137.5°	459.3	463.9	468.5	472.3	473.9	474.7	477.7	480.8	482.3	483.1
140°	473.9	478.5	483.1	486.2	487.0	489.3	491.6	494.7	496.2	497.0
142.5°	487.7	491.6	495.4	499.3	500.0	501.6	503.9	507.0	508.5	509.3
145°	500.0	503.9	507.0	510.0	510.8	512.4	514.7	517.0	518.5	519.3
147.5°	511.6	514.7	517.7	520.0	520.8	522.4	523.9	525.4	527.0	527.7
150°	521.6	523.1	526.2	527.7	528.5	530.0	531.6	533.1	534.7	535.4
152.5°	529.3	531.6	533.1	535.4	536.2	537.0	538.5	540.0	541.6	541.6
155°	535.4	537.7	539.3	541.6	542.4	543.1	544.7	545.4	547.0	547.0
157.5°	540.0	542.4	543.9	545.4	546.2	547.0	547.7	549.3	550.8	550.8
160°	545.4	546.2	547.0	548.5	548.5	549.3	550.0	550.8	552.4	552.4
162.5°	550.0	550.8	549.3	550.0	549.3	550.0	550.8	551.6	552.4	552.4
165°	551.6	553.1	552.4	553.1	553.1	553.1	553.1	553.9	553.9	553.9
167.5°	551.6	553.1	552.4	552.4	553.1	553.1	553.9	554.7	554.7	554.7
170°	551.6	552.4	551.6	550.8	551.6	551.6	551.6	552.4	552.4	552.4
172.5°	550.8	551.6	550.0	549.3	549.3	549.3	548.5	548.5	547.7	547.7
175°	550.0	550.0	548.5	547.7	547.7	547.7	546.2	545.4	544.7	543.9
177.5°	549.3	549.3	547.0	546.2	546.2	545.4	545.4	543.9	543.9	543.1
180°	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7	547.7

(END OF REPORT)