

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: P395519

Luminaire Tested: **I3-FL-30L82765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395519
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 (4000K)
Description: CORELITE I3, FROSTED TOP COVER
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2733.4 lumens
Efficiency: N/A
Efficacy: 130.8 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

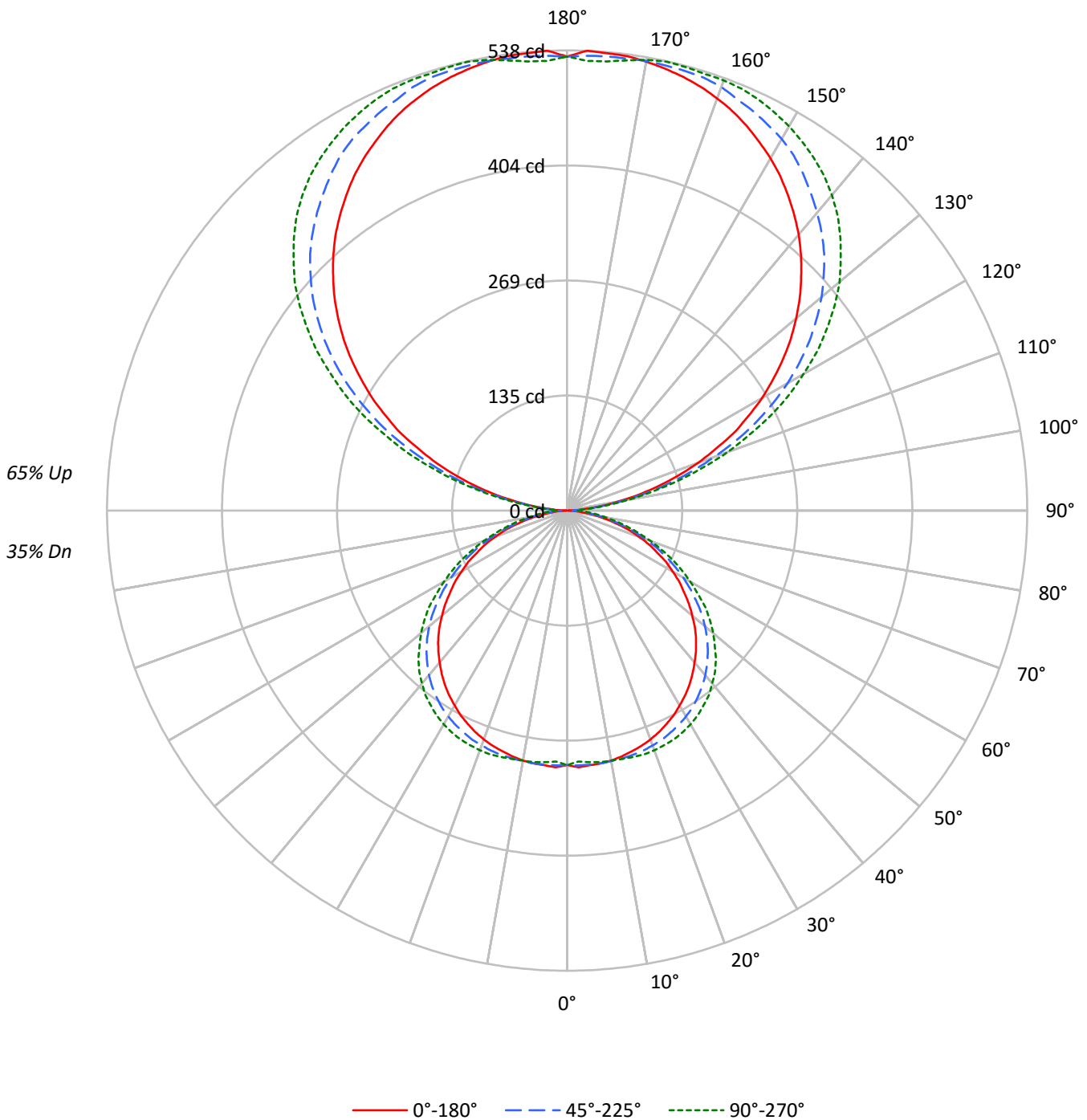
Input Watts (W): 20.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (4000K)

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°	1635	1635	1635
5°	1643	1608	1583
10°	1644	1586	1564
15°	1639	1572	1558
20°	1640	1558	1556
25°	1636	1544	1549
30°	1630	1530	1536
35°	1622	1505	1512
40°	1606	1474	1480
45°	1590	1428	1434
50°	1553	1365	1364
55°	1509	1279	1282
60°	1458	1178	1158
65°	1386	1056	1029
70°	1286	900	869
75°	1120	715	691
80°	875	509	506
85°	475	290	332



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.4	1.0
10°-20°	83.4	3.1
20°-30°	131.5	4.8
30°-40°	165.3	6.0
40°-50°	177.7	6.5
50°-60°	163.5	6.0
60°-70°	125.3	4.6
70°-80°	71.3	2.6
80°-90°	22.3	0.8
90°-100°	29.8	1.1
100°-110°	129.5	4.7
110°-120°	237.2	8.7
120°-130°	305.7	11.2
130°-140°	325.3	11.9
140°-150°	299.3	10.9
150°-160°	237.1	8.7
160°-170°	150.1	5.5
170°-180°	50.8	1.9
0°-30°	243.3	8.9
0°-40°	408.6	14.9
0°-60°	749.8	27.4
0°-90°	968.7	35.4
90°-120°	396.5	14.5
90°-150°	1326.7	48.5
90°-180°	1765.0	64.6
0°-180°	2733.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	297	297	297	297	297	
5°	299	296	298	297	295	28
15°	291	290	296	298	298	82
25°	275	276	286	293	295	127
35°	249	252	266	275	278	156
45°	213	218	233	242	246	164
55°	167	174	184	194	198	150
65°	116	120	128	133	136	115
75°	61	63	67	71	73	65
85°	11	14	19	24	25	14
90°	1	2	7	10	11	2
95°	20	19	22	25	25	25
105°	110	115	124	131	133	117
115°	215	225	243	256	262	211
125°	308	321	346	363	370	275
135°	387	400	425	443	452	299
145°	450	460	481	495	503	282
155°	496	502	515	526	530	229
165°	525	525	532	536	537	148
175°	537	533	533	531	527	51
180°	531	531	531	531	531	



TEST NUMBER: P395519

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	297.4	297.4	297.4	297.4	297.4	297.4	297.4	297.4	297.4	297.4	297.4
2.5°	300.4	299.6	298.9	297.4	297.4	296.7	296.7	296.7	296.7	297.4	298.2
5°	298.9	298.9	298.2	296.7	296.7	295.9	295.9	296.7	295.9	296.7	298.2
7.5°	298.2	298.2	297.4	295.9	295.9	295.9	295.9	295.9	295.9	296.7	298.2
10°	296.7	296.7	295.2	294.4	294.4	294.4	294.4	295.2	295.2	295.9	297.4
12.5°	294.4	293.7	292.9	292.2	292.2	292.2	292.9	293.7	293.7	295.2	296.7
15°	291.4	291.4	290.7	290.0	290.0	290.0	290.7	291.4	292.2	293.7	295.9
17.5°	288.5	288.5	287.7	287.7	287.7	287.7	288.5	289.2	290.7	292.2	294.4
20°	284.7	284.7	284.0	284.0	284.0	284.7	284.7	286.2	287.7	290.0	292.2
22.5°	280.3	280.3	280.3	279.5	280.3	281.0	281.8	283.3	284.7	287.0	290.0
25°	275.1	275.1	275.1	275.1	275.8	275.8	277.3	278.8	280.3	283.3	286.2
27.5°	269.8	269.8	269.8	269.1	270.6	271.3	272.1	274.3	275.8	279.5	282.5
30°	263.1	263.1	263.1	263.9	264.6	265.4	266.9	269.1	270.6	274.3	278.0
32.5°	256.4	256.4	256.4	256.4	258.7	259.4	260.1	262.4	265.4	269.1	272.8
35°	249.0	249.0	249.0	249.7	251.2	251.9	253.4	255.7	258.7	262.4	266.1
37.5°	240.8	241.5	241.5	242.3	243.7	245.2	246.7	249.0	251.9	255.7	259.4
40°	231.8	232.6	232.6	233.3	234.8	236.3	237.8	240.8	243.7	247.5	251.2
42.5°	222.9	223.6	223.6	225.1	226.6	228.1	229.6	232.6	235.5	239.3	242.3
45°	213.2	213.9	213.9	215.4	217.7	218.4	220.6	223.6	226.6	229.6	232.6
47.5°	202.7	203.5	203.5	205.0	207.2	208.7	210.2	213.2	215.4	219.1	222.1
50°	190.8	191.6	192.3	193.8	196.8	198.3	199.8	202.0	205.0	207.2	210.2
52.5°	179.6	179.6	180.4	181.9	184.1	185.6	186.3	188.6	192.3	195.3	198.3
55°	167.0	167.7	168.5	170.0	172.2	173.7	174.4	176.7	178.9	181.1	184.1
57.5°	155.8	155.8	156.5	158.0	160.3	161.0	161.8	163.2	166.2	168.5	170.7
60°	142.4	143.1	143.9	145.4	146.8	148.3	148.3	150.6	152.8	155.0	156.5
62.5°	130.4	130.4	131.2	132.7	133.4	134.9	134.9	137.2	138.6	140.9	142.4
65°	116.3	117.0	117.8	118.5	120.0	120.0	120.8	122.2	123.7	125.2	127.5
67.5°	103.6	103.6	104.4	105.1	105.8	105.8	106.6	108.1	109.6	111.1	112.6
70°	89.4	90.2	90.2	90.2	90.9	91.7	92.4	93.2	94.7	95.4	96.9
72.5°	75.3	75.3	76.0	76.0	76.8	77.5	78.3	79.0	79.8	81.2	82.0
75°	61.1	61.1	61.9	61.9	62.6	62.6	62.6	64.1	64.8	66.3	67.1
77.5°	47.0	47.7	47.7	47.7	48.5	49.2	49.2	49.9	51.4	52.2	52.9
80°	34.3	34.3	34.3	34.3	35.0	35.8	36.5	36.5	38.0	39.5	40.3
82.5°	21.6	21.6	22.4	23.1	23.1	23.9	24.6	25.3	26.8	27.6	28.3
85°	11.2	11.2	11.9	12.7	13.4	14.2	14.2	14.9	16.4	17.9	18.6
87.5°	3.7	4.5	4.5	5.2	6.0	6.7	7.5	8.2	9.7	11.2	11.9
90°	0.7	0.7	0.7	1.5	2.2	2.2	3.0	3.7	4.5	5.2	6.7
92.5°	6.7	6.7	6.0	6.7	6.7	6.7	6.7	7.5	8.2	8.2	9.7
95°	20.1	19.4	19.4	19.4	19.4	19.4	19.4	20.1	20.9	20.9	21.6
97.5°	38.8	38.8	38.0	38.0	38.8	38.8	38.8	39.5	41.0	40.3	41.7
100°	60.4	60.4	59.6	60.4	61.1	61.9	63.4	63.4	64.8	64.8	67.1
102.5°	85.0	85.0	84.2	85.7	86.5	88.0	88.0	89.4	91.7	91.7	94.7
105°	109.6	110.3	110.3	111.8	113.3	114.8	114.8	117.0	120.0	120.0	123.7
107.5°	136.4	137.2	137.2	138.6	140.1	141.6	142.4	145.4	148.3	149.1	153.6
110°	162.5	163.2	164.0	165.5	167.0	169.2	170.7	173.7	177.4	178.9	182.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	187.1	190.1	190.8	193.1	195.3	197.5	199.0	202.7	207.2	209.5	213.9
115°	215.4	216.9	217.7	219.9	222.9	225.1	226.6	230.3	234.8	237.8	243.0
117.5°	238.5	242.3	243.0	245.2	248.2	250.5	251.9	256.4	261.6	265.4	270.6
120°	263.1	266.1	269.1	270.6	272.8	275.8	277.3	281.8	287.7	291.4	297.4
122.5°	285.5	288.5	291.4	293.7	296.7	298.2	300.4	305.6	311.6	316.0	322.0
125°	307.8	311.6	313.8	316.0	319.8	321.3	323.5	328.7	334.7	339.9	345.9
127.5°	329.5	331.7	335.4	336.9	340.6	342.1	344.4	350.3	356.3	361.5	367.5
130°	349.6	352.6	355.6	356.3	360.8	363.0	365.2	370.5	377.2	382.4	388.4
132.5°	369.0	370.5	374.2	376.4	380.2	382.4	384.6	389.1	395.8	401.0	407.0
135°	386.9	388.4	392.8	395.1	397.3	399.5	402.5	407.0	413.7	418.9	424.9
137.5°	404.7	406.2	410.7	412.9	414.4	416.7	418.9	423.4	430.1	435.3	440.5
140°	421.1	422.6	425.6	428.6	430.1	431.6	433.8	438.3	444.3	449.5	454.7
142.5°	436.1	437.5	440.5	443.5	445.7	445.7	448.0	451.7	458.4	463.6	468.1
145°	450.2	451.0	453.9	456.9	459.9	459.9	460.7	464.4	470.3	476.3	480.8
147.5°	463.6	464.4	466.6	469.6	471.8	472.6	474.1	475.6	481.5	487.5	492.7
150°	475.6	476.3	477.8	480.8	482.3	483.8	485.3	486.0	490.5	495.7	501.7
152.5°	486.0	486.7	488.2	490.5	492.0	493.5	494.9	497.2	499.4	504.6	508.4
155°	496.4	497.2	497.9	500.2	501.7	502.4	503.1	506.1	508.4	511.3	515.1
157.5°	505.4	505.4	506.1	507.6	509.1	509.1	509.9	512.8	515.1	518.1	520.3
160°	512.8	512.8	513.6	515.1	515.1	515.8	516.6	518.8	520.3	524.0	527.0
162.5°	519.5	518.8	519.5	520.3	520.3	520.3	521.0	522.5	524.8	527.7	530.7
165°	524.8	524.8	524.8	525.5	525.5	524.8	524.8	526.2	527.7	530.0	532.2
167.5°	529.2	529.2	528.5	529.2	528.5	528.5	527.7	528.5	529.2	531.5	533.0
170°	533.0	532.2	532.2	532.2	531.5	530.7	530.7	530.7	530.7	532.2	533.7
172.5°	535.9	535.2	534.4	534.4	533.0	532.2	532.2	531.5	531.5	532.2	533.0
175°	536.7	535.9	535.2	535.2	533.7	533.0	532.2	532.2	531.5	532.2	533.0
177.5°	538.2	537.4	535.9	535.9	534.4	533.0	533.0	532.2	531.5	532.2	532.2
180°	530.7	530.7	530.7	530.7	530.7	530.7	530.7	530.7	530.7	530.7	530.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	297.4	297.4	297.4	297.4	297.4	297.4	297.4	297.4	297.4	297.4
2.5°	298.9	298.9	298.2	297.4	297.4	296.7	295.9	295.2	294.4	293.7
5°	298.9	298.2	297.4	297.4	296.7	296.7	296.7	295.9	295.2	295.2
7.5°	298.9	298.9	298.2	297.4	297.4	297.4	297.4	297.4	296.7	296.7
10°	298.9	298.2	298.2	298.2	297.4	298.2	298.2	297.4	297.4	296.7
12.5°	298.2	298.2	298.2	298.2	298.2	298.2	298.2	298.2	298.2	297.4
15°	296.7	297.4	297.4	298.2	298.2	298.2	298.9	298.9	298.2	298.2
17.5°	295.9	296.7	297.4	298.2	298.2	298.2	298.9	298.9	298.9	298.9
20°	294.4	295.2	295.9	296.7	296.7	297.4	297.4	298.2	298.2	298.2
22.5°	291.4	292.2	293.7	294.4	295.2	295.9	296.7	296.7	296.7	296.7
25°	288.5	290.0	290.7	292.2	292.9	293.7	294.4	294.4	294.4	295.2
27.5°	284.7	286.2	288.5	289.2	290.0	290.7	291.4	292.2	292.2	292.2
30°	280.3	282.5	284.0	285.5	286.2	287.0	287.7	287.7	288.5	288.5
32.5°	275.1	277.3	278.8	280.3	281.0	281.8	283.3	283.3	284.0	284.0
35°	268.3	270.6	272.8	274.3	275.1	275.8	277.3	278.0	278.0	278.0
37.5°	261.6	263.9	266.1	268.3	269.1	269.8	271.3	271.3	272.1	272.1
40°	253.4	255.7	257.9	260.1	260.1	261.6	262.4	263.1	263.9	263.9
42.5°	245.2	247.5	249.0	251.2	251.9	252.7	253.4	254.9	254.9	255.7
45°	235.5	237.8	239.3	241.5	242.3	243.0	244.5	245.2	246.0	246.0
47.5°	225.1	226.6	228.1	230.3	231.8	232.6	233.3	234.1	234.8	234.1
50°	213.2	214.7	216.9	219.1	219.9	220.6	222.1	222.1	222.9	222.9
52.5°	200.5	202.7	204.2	206.5	207.2	208.0	209.5	209.5	210.2	210.2
55°	186.3	187.8	189.3	193.1	193.8	194.5	196.0	196.0	196.8	197.5
57.5°	172.9	173.7	175.9	177.4	178.9	178.9	179.6	180.4	181.1	181.1
60°	158.8	159.5	161.0	163.2	163.2	164.0	165.5	165.5	166.2	166.2
62.5°	143.9	145.4	146.8	149.1	148.3	149.1	150.6	150.6	151.3	151.3
65°	129.0	129.7	131.2	132.7	133.4	133.4	134.2	134.9	135.7	135.7
67.5°	113.3	114.8	115.5	117.8	117.0	117.8	118.5	118.5	119.3	119.3
70°	98.4	99.1	100.6	101.4	101.4	102.1	102.9	102.9	102.9	103.6
72.5°	83.5	84.2	85.0	85.7	85.7	86.5	87.2	87.2	88.0	88.0
75°	67.8	69.3	70.1	71.6	70.8	71.6	73.0	73.0	73.0	73.0
77.5°	54.4	55.2	56.7	57.4	57.4	57.4	58.9	58.1	58.9	58.9
80°	41.0	41.7	43.2	44.0	44.0	44.7	45.5	45.5	45.5	46.2
82.5°	29.1	30.6	32.1	32.8	32.8	33.5	34.3	34.3	35.0	35.0
85°	20.1	21.6	23.1	23.1	23.9	24.6	25.3	25.3	25.3	25.3
87.5°	13.4	14.2	14.9	15.7	16.4	16.4	17.1	17.1	17.9	17.9
90°	7.5	8.2	8.9	9.7	9.7	10.4	10.4	11.2	11.2	11.2
92.5°	10.4	10.4	11.2	11.9	11.9	11.9	11.9	12.7	12.7	12.7
95°	22.4	23.1	23.1	24.6	24.6	24.6	25.3	25.3	25.3	25.3
97.5°	43.2	43.2	43.2	44.7	44.7	44.7	45.5	45.5	45.5	46.2
100°	67.8	68.6	68.6	70.8	70.1	71.6	71.6	71.6	71.6	72.3
102.5°	95.4	96.9	97.6	99.9	99.9	99.9	101.4	100.6	101.4	101.4
105°	125.2	126.7	127.5	129.7	131.2	131.2	132.7	131.9	132.7	133.4
107.5°	155.0	157.3	158.8	161.0	162.5	163.2	163.2	164.0	164.7	165.5
110°	185.6	187.8	191.6	193.8	194.5	196.0	196.8	197.5	198.3	199.8



TEST NUMBER: P395519

CATALOG NUMBER: I3-FL-30L82765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	217.7	219.9	222.9	225.9	225.1	227.3	228.8	229.6	230.3	229.6
115°	246.7	249.7	252.7	255.7	255.7	257.2	260.1	260.9	260.9	262.4
117.5°	274.3	278.0	281.0	284.0	284.7	286.2	288.5	290.7	290.7	292.2
120°	301.1	305.6	308.6	311.6	313.1	313.8	316.0	319.0	319.0	319.0
122.5°	326.5	330.2	333.9	336.9	338.4	339.9	341.4	345.1	345.1	346.6
125°	350.3	354.8	358.5	361.5	363.0	364.5	367.5	369.7	370.5	370.5
127.5°	372.7	377.2	380.9	384.6	385.4	386.9	389.8	392.8	393.6	394.3
130°	393.6	398.0	401.8	405.5	407.0	407.7	411.5	413.7	415.2	415.9
132.5°	412.2	416.7	420.4	424.1	425.6	427.1	429.3	433.1	433.8	433.8
135°	429.3	433.8	437.5	442.0	442.8	444.3	447.2	449.5	451.0	451.7
137.5°	445.0	449.5	453.9	457.7	459.2	459.9	462.9	465.9	467.4	468.1
140°	459.2	463.6	468.1	471.1	471.8	474.1	476.3	479.3	480.8	481.5
142.5°	472.6	476.3	480.0	483.8	484.5	486.0	488.2	491.2	492.7	493.5
145°	484.5	488.2	491.2	494.2	494.9	496.4	498.7	500.9	502.4	503.1
147.5°	495.7	498.7	501.7	503.9	504.6	506.1	507.6	509.1	510.6	511.3
150°	505.4	506.9	509.9	511.3	512.1	513.6	515.1	516.6	518.1	518.8
152.5°	512.8	515.1	516.6	518.8	519.5	520.3	521.8	523.3	524.8	524.8
155°	518.8	521.0	522.5	524.8	525.5	526.2	527.7	528.5	530.0	530.0
157.5°	523.3	525.5	527.0	528.5	529.2	530.0	530.7	532.2	533.7	533.7
160°	528.5	529.2	530.0	531.5	531.5	532.2	533.0	533.7	535.2	535.2
162.5°	533.0	533.7	532.2	533.0	532.2	533.0	533.7	534.4	535.2	535.2
165°	534.4	535.9	535.2	535.9	535.9	535.9	535.9	536.7	536.7	536.7
167.5°	534.4	535.9	535.2	535.2	535.9	535.9	536.7	537.4	537.4	537.4
170°	534.4	535.2	534.4	533.7	534.4	534.4	534.4	535.2	535.2	535.2
172.5°	533.7	534.4	533.0	532.2	532.2	532.2	531.5	531.5	530.7	530.7
175°	533.0	533.0	531.5	530.7	530.7	530.7	529.2	528.5	527.7	527.0
177.5°	532.2	532.2	530.0	529.2	529.2	528.5	528.5	527.0	527.0	526.2
180°	530.7	530.7	530.7	530.7	530.7	530.7	530.7	530.7	530.7	530.7

(END OF REPORT)