

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: P395382

Luminaire Tested: **I3-CL-30L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395382
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-CL-30L93050-1D-UNV-W2A-W-4 (3500K)
Description: CORELITE I3, CLEAR TOP COVER
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2359.5 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

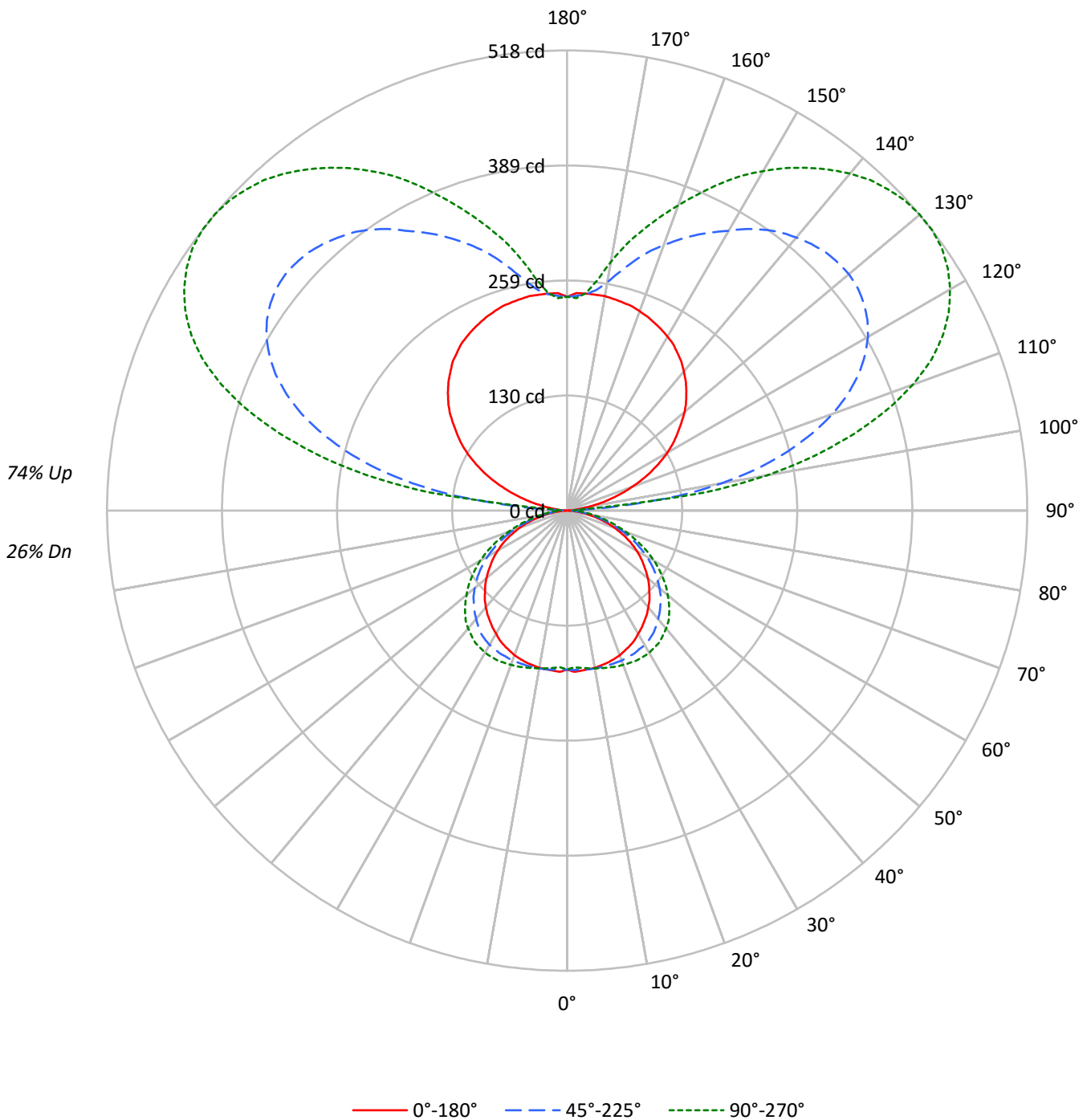
Input Watts (W): 21.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	101	101	101	91	91	91	91	70	70	70	51	51	51	34	34	34	26
1	92	88	84	81	82	79	75	73	61	59	57	45	43	42	30	29	28	22
2	84	77	71	65	74	68	63	59	53	50	47	39	37	35	26	25	24	18
3	76	67	60	54	68	60	54	49	47	42	39	34	32	29	23	21	20	15
4	70	59	51	45	62	53	46	41	41	37	33	30	27	25	20	18	17	13
5	64	52	44	39	56	47	40	35	37	32	28	27	24	21	18	16	15	11
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	13	9
7	54	42	34	29	48	38	31	26	30	25	21	22	19	16	15	13	11	8
8	50	38	30	25	44	34	27	23	27	22	18	20	17	14	14	11	10	7
9	46	34	27	22	41	31	25	20	24	20	16	18	15	13	12	10	9	6
10	43	31	24	20	38	28	22	18	22	18	15	17	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	984	984	984
5°	995	969	953
10°	995	961	950
15°	996	958	955
20°	998	958	964
25°	997	959	976
30°	991	961	984
35°	988	955	985
40°	985	935	972
45°	975	913	947
50°	966	883	905
55°	947	838	853
60°	923	779	788
65°	886	699	699
70°	822	595	591
75°	709	473	475
80°	551	337	347
85°	322	208	233



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.1	0.7
10°-20°	50.9	2.2
20°-30°	81.6	3.5
30°-40°	104.4	4.4
40°-50°	113.8	4.8
50°-60°	106.6	4.5
60°-70°	82.7	3.5
70°-80°	47.4	2.0
80°-90°	15.2	0.6
90°-100°	60.9	2.6
100°-110°	236.6	10.0
110°-120°	322.1	13.7
120°-130°	334.3	14.2
130°-140°	296.5	12.6
140°-150°	230.1	9.8
150°-160°	153.6	6.5
160°-170°	81.8	3.5
170°-180°	23.9	1.0
0°-30°	149.6	6.3
0°-40°	254.0	10.8
0°-60°	474.4	20.1
0°-90°	619.7	26.3
90°-120°	619.5	26.3
90°-150°	1480.4	62.7
90°-180°	1740.0	73.7
0°-180°	2359.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	179	179	179	179	179	
5°	181	179	180	179	178	17
15°	177	176	180	183	183	50
25°	168	169	178	184	186	77
35°	152	155	169	178	181	95
45°	131	136	149	158	162	101
55°	105	110	121	129	131	94
65°	74	78	84	90	92	73
75°	39	41	44	49	50	41
85°	8	9	13	17	18	9
90°	1	2	4	6	8	1
95°	8	43	59	12	11	10
105°	50	152	257	305	335	54
115°	105	234	362	425	467	103
125°	152	276	408	479	515	136
135°	190	291	411	482	511	146
145°	216	291	386	448	471	136
155°	233	275	342	388	406	108
165°	242	253	291	318	326	69
175°	245	244	244	246	246	23
180°	241	241	241	241	241	



TEST NUMBER: P395382

CATALOG NUMBER: I3-CL-30L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0
2.5°	181.6	181.0	181.0	179.7	179.7	179.0	179.0	179.0	179.0	179.0	179.7
5°	181.0	181.0	180.3	179.7	179.7	179.0	179.0	179.0	179.0	179.0	179.7
7.5°	180.3	180.3	179.7	179.0	179.0	179.0	179.0	179.0	179.0	179.0	180.3
10°	179.7	179.7	179.0	178.4	178.4	178.4	178.4	179.0	179.0	179.0	180.3
12.5°	178.4	177.8	177.8	177.1	177.1	177.1	177.8	177.8	178.4	179.0	180.3
15°	177.1	177.1	176.5	175.9	176.5	176.5	176.5	177.1	177.8	178.4	180.3
17.5°	175.2	175.2	174.6	174.6	174.6	175.2	175.2	175.9	177.1	178.4	179.7
20°	173.3	172.7	172.7	172.7	173.3	173.3	174.0	175.2	175.9	177.8	179.7
22.5°	170.2	170.8	170.2	170.2	170.8	171.4	172.1	173.3	174.6	176.5	178.4
25°	167.6	167.6	167.6	167.6	168.9	168.9	170.2	171.4	173.3	175.2	177.8
27.5°	164.4	164.4	164.4	165.1	165.7	166.4	167.0	168.9	170.8	173.3	175.9
30°	160.0	160.0	160.0	160.0	161.9	162.5	163.8	166.4	168.3	171.4	174.6
32.5°	156.2	156.2	156.2	156.8	158.1	158.7	160.0	163.2	165.7	168.9	172.1
35°	151.7	151.7	152.4	152.4	154.3	154.9	156.2	158.7	161.3	165.1	168.9
37.5°	147.3	147.3	147.9	148.6	149.8	151.1	152.4	154.9	157.5	160.6	164.4
40°	142.2	142.2	142.9	143.5	145.4	146.7	147.9	150.5	153.0	156.2	159.4
42.5°	137.1	137.1	137.8	138.4	140.3	141.6	142.9	146.0	148.6	151.7	154.3
45°	130.8	131.4	132.1	133.3	135.2	136.5	137.8	140.3	143.5	146.0	148.6
47.5°	125.1	125.7	126.4	127.6	129.5	130.8	132.1	134.6	137.1	139.7	142.9
50°	118.7	119.4	120.0	121.3	123.2	124.4	125.7	128.3	130.8	132.7	135.9
52.5°	111.7	112.4	113.0	114.3	116.8	117.5	118.7	121.3	123.2	125.7	128.3
55°	104.8	105.4	106.0	107.3	109.2	110.5	111.1	113.7	115.6	118.1	120.6
57.5°	97.8	98.4	99.0	100.3	101.6	102.9	103.5	105.4	107.9	109.8	112.4
60°	90.2	90.8	91.4	92.1	94.0	94.6	95.2	97.1	99.0	101.6	103.5
62.5°	82.5	82.5	83.2	83.8	85.7	86.4	87.0	88.3	90.8	92.1	94.0
65°	74.3	74.3	74.9	75.6	76.8	77.5	78.1	79.4	81.3	82.5	84.4
67.5°	65.4	65.4	66.0	66.7	67.9	68.6	68.6	70.5	71.7	73.0	74.3
70°	57.1	57.1	57.8	57.8	58.4	59.0	59.7	61.0	61.6	63.5	64.1
72.5°	48.3	48.3	48.3	48.3	49.5	49.5	50.2	51.4	52.1	53.3	54.6
75°	38.7	38.7	39.4	39.4	40.0	40.6	41.3	41.9	43.2	43.8	44.4
77.5°	30.5	29.8	30.5	31.1	31.7	31.7	32.4	33.0	33.7	34.9	35.6
80°	21.6	21.6	21.6	22.2	22.9	22.9	23.5	24.1	24.8	26.0	26.7
82.5°	14.0	14.0	14.6	14.6	15.2	15.9	15.9	16.5	17.1	18.4	19.0
85°	7.6	7.6	7.6	8.3	8.9	8.9	9.5	10.2	11.4	12.1	13.3
87.5°	2.5	2.5	3.2	3.8	4.4	4.4	5.1	5.7	6.3	7.6	8.3
90°	0.6	0.6	0.6	1.3	1.3	1.9	1.9	2.5	3.2	3.8	4.4
92.5°	2.5	4.4	7.0	10.2	9.5	10.2	7.0	4.4	4.4	4.4	5.1
95°	7.6	11.4	18.4	29.2	38.1	43.2	47.6	52.1	61.0	61.6	59.0
97.5°	15.2	21.0	33.7	47.6	63.5	71.7	78.1	91.4	105.4	114.3	125.1
100°	25.4	33.7	50.2	69.2	87.6	98.4	108.6	127.6	144.8	160.0	176.5
102.5°	37.5	47.0	67.3	90.8	113.7	125.7	136.5	158.7	182.2	202.5	220.3
105°	50.2	61.0	85.1	111.7	137.8	151.7	165.1	189.2	214.0	236.2	257.1
107.5°	64.1	75.6	101.6	131.4	160.6	176.5	191.1	217.1	243.2	267.3	289.5
110°	77.5	90.2	117.5	149.8	182.9	198.7	213.3	241.9	269.2	294.6	318.1



TEST NUMBER: P395382

CATALOG NUMBER: I3-CL-30L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	91.4	104.8	132.1	167.6	201.3	217.8	233.0	263.5	292.1	318.1	341.6
115°	104.8	117.5	146.0	182.9	217.1	234.3	250.8	281.9	311.7	337.8	361.9
117.5°	117.5	129.5	158.7	195.6	231.1	248.3	264.8	297.1	327.0	354.3	377.8
120°	130.2	141.0	172.7	206.4	242.5	259.7	276.8	309.2	339.7	367.0	391.1
122.5°	141.6	151.7	182.9	215.9	251.4	269.2	285.7	318.7	349.8	377.1	400.6
125°	151.7	161.3	192.4	223.5	259.1	276.2	293.3	325.7	356.8	383.5	407.6
127.5°	161.9	171.4	199.4	231.1	264.1	281.9	298.4	330.8	361.3	388.6	412.1
130°	172.7	179.7	206.4	238.1	269.2	285.7	302.9	334.0	363.8	390.5	414.0
132.5°	181.6	187.9	213.3	243.8	273.0	288.9	304.1	335.2	365.1	390.5	413.3
135°	189.8	194.9	218.4	248.9	276.2	290.8	305.4	334.6	363.8	389.2	411.4
137.5°	197.5	202.5	222.9	252.7	278.7	291.4	305.4	332.7	360.6	386.0	407.0
140°	204.4	208.3	226.7	254.6	280.0	292.1	304.1	329.5	355.6	380.3	401.3
142.5°	211.4	214.6	229.8	255.9	280.6	292.1	303.5	325.7	349.8	374.0	394.9
145°	216.5	219.7	232.4	256.5	280.0	290.8	301.0	321.9	343.5	365.7	386.0
147.5°	222.2	224.8	234.9	255.2	278.1	288.3	297.8	316.8	336.5	356.8	375.9
150°	226.0	228.6	236.2	254.0	274.9	284.4	294.0	311.7	329.5	347.3	363.8
152.5°	229.8	231.7	238.1	252.1	271.1	280.0	288.9	306.0	322.5	338.4	353.0
155°	233.0	234.9	239.4	250.8	266.7	274.9	283.2	299.7	314.9	328.9	342.2
157.5°	236.2	237.5	240.6	248.9	261.6	269.2	276.8	291.4	305.4	319.4	330.2
160°	238.7	239.4	241.9	248.3	257.1	262.9	269.8	283.2	295.9	307.9	318.1
162.5°	241.3	241.3	243.2	247.0	253.3	257.1	262.2	273.7	285.1	295.9	305.4
165°	242.5	242.5	243.8	246.4	250.2	252.7	255.9	263.5	272.4	281.9	290.8
167.5°	243.8	243.8	244.4	245.7	248.3	249.5	250.8	255.9	261.6	268.6	275.6
170°	245.1	244.4	244.4	245.7	246.4	247.0	247.6	250.2	252.7	257.1	261.0
172.5°	245.1	244.4	244.4	245.1	245.1	245.1	245.1	245.7	246.4	248.9	250.2
175°	245.1	244.4	244.4	244.4	244.4	243.8	243.8	243.8	243.8	243.8	244.4
177.5°	245.1	244.4	243.8	243.8	243.2	243.2	242.5	242.5	241.9	241.9	241.9
180°	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0	179.0
2.5°	179.7	179.7	179.0	179.0	178.4	178.4	177.8	177.1	176.5	176.5
5°	180.3	179.7	179.0	179.0	179.0	178.4	178.4	178.4	177.8	177.8
7.5°	180.3	180.3	180.3	179.7	179.7	179.7	179.7	179.7	179.0	179.0
10°	181.0	181.0	181.0	181.0	181.0	181.0	181.0	180.3	180.3	180.3
12.5°	181.0	181.0	181.0	181.6	181.6	181.6	181.6	181.6	181.6	181.6
15°	181.6	181.6	182.2	182.2	182.9	182.9	183.5	183.5	183.5	182.9
17.5°	181.0	181.6	182.2	182.9	183.5	183.5	184.1	184.1	184.1	184.1
20°	181.0	182.2	182.9	183.5	184.1	184.1	184.8	185.4	185.4	184.8
22.5°	180.3	181.6	182.2	183.5	184.1	184.1	185.4	185.4	185.4	185.4
25°	179.7	181.0	182.2	183.5	184.1	184.1	185.4	185.4	186.0	186.0
27.5°	178.4	179.7	181.6	182.9	183.5	184.1	184.8	185.4	185.4	185.4
30°	176.5	178.4	180.3	181.6	182.2	182.9	183.5	184.1	184.8	184.8
32.5°	174.0	175.9	177.8	179.7	180.3	181.0	182.2	182.9	182.9	182.9
35°	171.4	173.3	175.2	177.1	177.8	178.4	179.7	180.3	181.0	181.0
37.5°	167.6	169.5	171.4	173.3	174.0	175.2	176.5	177.1	177.1	177.1
40°	161.9	165.1	167.6	169.5	170.2	171.4	172.1	173.3	173.3	173.3
42.5°	156.8	159.4	161.3	163.8	164.4	166.4	167.6	168.3	168.9	168.9
45°	151.1	153.7	155.6	157.5	158.1	159.4	160.6	161.3	161.9	162.5
47.5°	145.4	147.3	149.2	151.1	151.7	153.0	154.3	154.9	155.6	155.6
50°	138.4	140.3	142.2	144.1	144.8	146.0	146.7	147.3	147.9	147.9
52.5°	130.8	132.7	134.6	136.5	137.1	137.8	139.0	139.7	140.3	140.3
55°	123.2	125.1	126.4	128.3	128.9	129.5	130.2	131.4	132.1	131.4
57.5°	114.3	116.2	117.5	119.4	120.0	120.6	121.3	121.9	122.5	122.5
60°	104.8	106.7	108.6	109.8	110.5	111.1	111.7	112.4	113.0	113.0
62.5°	95.2	97.1	98.4	100.3	101.0	101.0	101.6	102.2	102.9	102.9
65°	85.7	87.6	88.3	90.2	90.2	90.8	91.4	92.1	92.1	92.1
67.5°	75.6	77.5	78.1	79.4	79.4	80.0	80.6	81.3	81.3	81.3
70°	66.0	66.7	67.9	68.6	69.2	69.2	69.8	70.5	71.1	70.5
72.5°	55.9	56.5	57.8	58.4	58.4	59.0	59.0	59.7	60.3	60.3
75°	45.7	47.0	47.6	48.3	48.9	48.9	49.5	50.2	50.2	50.2
77.5°	36.2	37.5	38.1	38.7	39.4	39.4	40.0	40.0	40.6	40.0
80°	27.9	28.6	29.2	29.8	30.5	30.5	31.1	31.7	31.7	31.7
82.5°	20.3	21.0	22.2	22.9	22.9	22.9	24.1	24.1	24.8	24.1
85°	14.0	14.6	15.9	16.5	17.1	17.1	17.1	17.8	18.4	17.8
87.5°	8.9	10.2	10.8	11.4	11.4	11.4	12.1	12.7	12.7	12.7
90°	5.1	5.1	5.7	6.3	6.3	7.0	7.0	7.6	7.6	7.6
92.5°	5.1	5.7	5.7	5.7	6.3	6.3	6.3	7.0	7.0	7.0
95°	43.2	31.1	17.8	14.0	12.1	12.1	11.4	12.1	11.4	11.4
97.5°	130.8	141.6	146.7	153.7	157.5	156.8	154.3	156.8	154.9	156.8
100°	186.0	196.2	203.8	205.7	209.5	211.4	218.4	223.5	226.0	229.2
102.5°	231.1	243.2	252.1	257.1	261.0	263.5	271.7	279.4	283.2	285.7
105°	272.4	285.1	295.9	301.0	305.4	307.9	316.8	325.7	331.4	334.6
107.5°	305.4	320.0	331.4	339.1	343.5	347.9	358.7	367.6	374.6	377.8
110°	335.2	349.8	361.9	370.8	375.9	380.3	392.4	402.5	410.2	414.0



TEST NUMBER: P395382

CATALOG NUMBER: I3-CL-30L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	360.0	375.9	387.9	397.5	402.5	408.9	420.3	431.8	439.4	443.8
115°	380.3	396.8	409.5	419.7	425.4	431.1	444.4	455.9	463.5	466.7
117.5°	397.5	414.0	427.3	437.5	443.8	450.2	463.5	473.7	481.9	484.4
120°	411.4	427.9	441.3	452.7	459.1	464.8	477.5	488.3	495.9	497.8
122.5°	421.0	438.1	452.1	464.8	470.5	476.2	488.3	499.1	506.0	507.9
125°	427.9	445.7	459.7	473.0	478.7	484.4	495.9	506.7	512.4	514.9
127.5°	432.4	450.2	465.4	478.1	484.4	489.5	501.0	510.5	516.2	518.1
130°	433.7	452.1	467.3	480.6	486.4	491.4	502.2	511.8	516.8	518.1
132.5°	433.7	451.4	467.3	480.0	485.7	490.8	501.0	509.8	514.9	516.2
135°	431.1	448.3	464.1	476.8	482.5	487.6	497.8	505.4	510.5	511.1
137.5°	426.7	443.2	458.4	471.1	476.8	481.9	490.8	499.1	503.5	504.8
140°	421.0	436.2	451.4	463.5	469.2	473.7	482.5	489.5	494.0	495.2
142.5°	413.3	428.6	442.5	454.6	459.1	464.1	471.8	478.7	482.5	483.8
145°	405.1	419.7	432.4	443.2	448.3	452.7	459.7	466.0	469.8	471.1
147.5°	394.3	408.9	421.0	431.1	435.6	440.0	446.4	452.1	455.9	457.1
150°	381.0	394.3	407.0	416.5	421.0	425.4	431.8	436.8	440.6	441.3
152.5°	367.6	380.3	391.1	400.6	405.1	409.5	415.2	420.3	424.8	424.8
155°	354.9	365.7	375.9	384.1	387.9	391.7	397.5	401.9	405.7	405.7
157.5°	341.6	351.7	360.0	367.6	370.8	374.0	379.1	382.9	386.0	385.4
160°	328.9	336.5	344.1	350.5	353.7	356.2	360.0	363.2	366.4	365.7
162.5°	314.9	321.9	328.3	332.7	335.2	337.1	341.0	344.1	346.0	346.0
165°	299.1	305.4	311.1	315.6	318.1	319.4	322.5	324.4	326.4	326.4
167.5°	282.5	287.6	292.7	296.5	299.1	300.3	303.5	304.8	307.3	306.7
170°	266.0	269.8	273.7	276.8	278.1	279.4	281.9	283.2	284.4	284.4
172.5°	252.7	254.0	255.9	258.4	258.4	259.1	260.3	261.0	261.6	261.6
175°	245.1	245.7	245.7	245.7	245.7	245.7	246.4	245.7	246.4	245.7
177.5°	241.9	241.9	241.3	241.3	240.6	241.3	240.6	240.0	240.0	239.4
180°	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6	240.6

(END OF REPORT)