

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: P395377

Luminaire Tested: **I3-CL-30L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395377
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-30L92765-1D-UNV-W2A-W-4 (4500K)
Description: CORELITE I3, CLEAR TOP COVER
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2515.0 lumens
Efficiency: N/A
Efficacy: 119.2 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

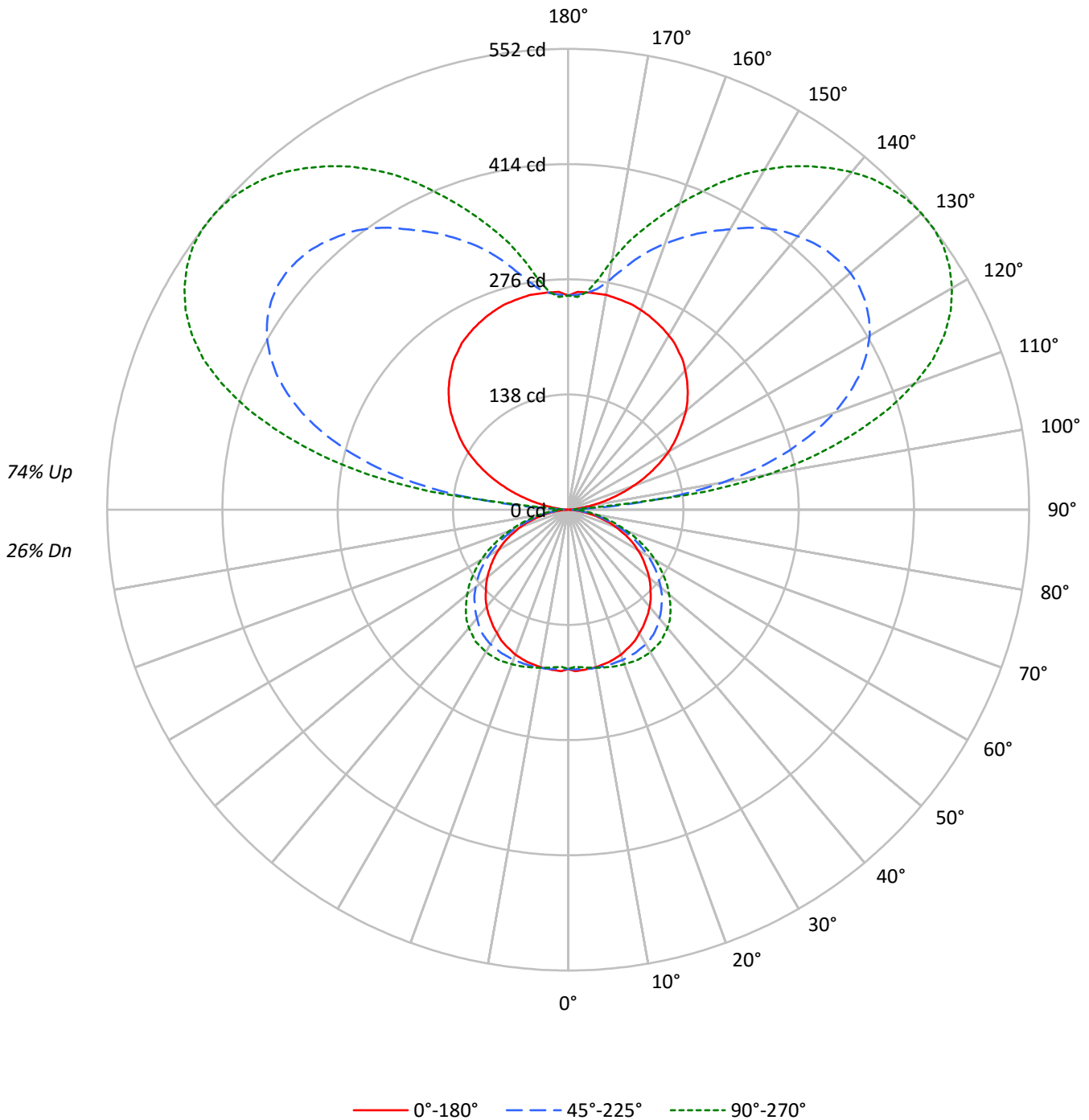
Input Watts (W): 21.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P395377

CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (4500K)

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	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°	1049	1049	1049
5°	1060	1033	1016
10°	1061	1025	1013
15°	1062	1021	1018
20°	1064	1021	1027
25°	1063	1023	1041
30°	1056	1024	1048
35°	1054	1018	1049
40°	1050	997	1036
45°	1039	973	1010
50°	1030	940	965
55°	1009	893	910
60°	984	830	840
65°	944	746	744
70°	876	635	630
75°	757	505	506
80°	586	359	370
85°	344	222	248



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CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (4500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.3	0.7
10°-20°	54.3	2.2
20°-30°	87.0	3.5
30°-40°	111.2	4.4
40°-50°	121.3	4.8
50°-60°	113.6	4.5
60°-70°	88.2	3.5
70°-80°	50.5	2.0
80°-90°	16.2	0.6
90°-100°	64.9	2.6
100°-110°	252.2	10.0
110°-120°	343.3	13.6
120°-130°	356.3	14.2
130°-140°	316.1	12.6
140°-150°	245.3	9.8
150°-160°	163.7	6.5
160°-170°	87.2	3.5
170°-180°	25.5	1.0
0°-30°	159.5	6.3
0°-40°	270.7	10.8
0°-60°	505.7	20.1
0°-90°	660.5	26.3
90°-120°	660.3	26.3
90°-150°	1578.0	62.7
90°-180°	1854.0	73.7
0°-180°	2515.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	191	191	191	191	191	
5°	193	191	192	191	190	18
15°	189	188	192	195	195	53
25°	179	180	190	196	198	82
35°	162	165	180	190	193	101
45°	139	146	158	168	173	108
55°	112	118	129	137	140	100
65°	79	83	90	96	98	78
75°	41	43	47	52	54	44
85°	8	10	14	18	19	10
90°	1	2	5	7	8	1
95°	8	46	63	13	12	11
105°	54	162	274	326	357	57
115°	112	250	386	453	497	110
125°	162	294	434	510	549	145
135°	202	310	438	514	545	156
145°	231	310	412	478	502	145
155°	248	293	365	414	432	115
165°	258	269	310	339	348	73
175°	261	260	261	262	262	25
180°	256	256	256	256	256	



TEST NUMBER: P395377

CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8
2.5°	193.6	192.9	192.9	191.5	191.5	190.8	190.8	190.8	190.8	190.8	191.5
5°	192.9	192.9	192.2	191.5	191.5	190.8	190.8	190.8	190.8	190.8	191.5
7.5°	192.2	192.2	191.5	190.8	190.8	190.8	190.8	190.8	190.8	190.8	192.2
10°	191.5	191.5	190.8	190.2	190.2	190.2	190.2	190.8	190.8	190.8	192.2
12.5°	190.2	189.5	189.5	188.8	188.8	188.8	189.5	189.5	190.2	190.8	192.2
15°	188.8	188.8	188.1	187.5	188.1	188.1	188.1	188.8	189.5	190.2	192.2
17.5°	186.8	186.8	186.1	186.1	186.1	186.8	186.8	187.5	188.8	190.2	191.5
20°	184.8	184.1	184.1	184.1	184.8	184.8	185.4	186.8	187.5	189.5	191.5
22.5°	181.4	182.0	181.4	181.4	182.0	182.7	183.4	184.8	186.1	188.1	190.2
25°	178.7	178.7	178.7	178.7	180.0	180.0	181.4	182.7	184.8	186.8	189.5
27.5°	175.3	175.3	175.3	176.0	176.6	177.3	178.0	180.0	182.0	184.8	187.5
30°	170.5	170.5	170.5	170.5	172.6	173.2	174.6	177.3	179.3	182.7	186.1
32.5°	166.5	166.5	166.5	167.2	168.5	169.2	170.5	173.9	176.6	180.0	183.4
35°	161.7	161.7	162.4	162.4	164.5	165.1	166.5	169.2	171.9	176.0	180.0
37.5°	157.0	157.0	157.7	158.4	159.7	161.1	162.4	165.1	167.8	171.2	175.3
40°	151.6	151.6	152.3	152.9	155.0	156.3	157.7	160.4	163.1	166.5	169.9
42.5°	146.2	146.2	146.9	147.5	149.6	150.9	152.3	155.7	158.4	161.7	164.5
45°	139.4	140.1	140.8	142.1	144.1	145.5	146.9	149.6	152.9	155.7	158.4
47.5°	133.3	134.0	134.7	136.0	138.1	139.4	140.8	143.5	146.2	148.9	152.3
50°	126.6	127.2	127.9	129.3	131.3	132.6	134.0	136.7	139.4	141.4	144.8
52.5°	119.1	119.8	120.5	121.8	124.5	125.2	126.6	129.3	131.3	134.0	136.7
55°	111.7	112.3	113.0	114.4	116.4	117.8	118.4	121.1	123.2	125.9	128.6
57.5°	104.2	104.9	105.6	106.9	108.3	109.6	110.3	112.3	115.0	117.1	119.8
60°	96.1	96.8	97.5	98.1	100.2	100.8	101.5	103.5	105.6	108.3	110.3
62.5°	88.0	88.0	88.7	89.3	91.4	92.0	92.7	94.1	96.8	98.1	100.2
65°	79.2	79.2	79.9	80.5	81.9	82.6	83.2	84.6	86.6	88.0	90.0
67.5°	69.7	69.7	70.4	71.1	72.4	73.1	73.1	75.1	76.5	77.8	79.2
70°	60.9	60.9	61.6	61.6	62.3	62.9	63.6	65.0	65.6	67.7	68.4
72.5°	51.4	51.4	51.4	51.4	52.8	52.8	53.5	54.8	55.5	56.8	58.2
75°	41.3	41.3	42.0	42.0	42.6	43.3	44.0	44.7	46.0	46.7	47.4
77.5°	32.5	31.8	32.5	33.2	33.8	33.8	34.5	35.2	35.9	37.2	37.9
80°	23.0	23.0	23.0	23.7	24.4	24.4	25.0	25.7	26.4	27.7	28.4
82.5°	14.9	14.9	15.6	15.6	16.2	16.9	16.9	17.6	18.3	19.6	20.3
85°	8.1	8.1	8.1	8.8	9.5	9.5	10.2	10.8	12.2	12.9	14.2
87.5°	2.7	2.7	3.4	4.1	4.7	4.7	5.4	6.1	6.8	8.1	8.8
90°	0.7	0.7	0.7	1.4	1.4	2.0	2.0	2.7	3.4	4.1	4.7
92.5°	2.7	4.7	7.4	10.8	10.2	10.8	7.4	4.7	4.7	4.7	5.4
95°	8.1	12.2	19.6	31.1	40.6	46.0	50.8	55.5	65.0	65.6	62.9
97.5°	16.2	22.3	35.9	50.8	67.7	76.5	83.2	97.5	112.3	121.8	133.3
100°	27.1	35.9	53.5	73.8	93.4	104.9	115.7	136.0	154.3	170.5	188.1
102.5°	39.9	50.1	71.7	96.8	121.1	134.0	145.5	169.2	194.2	215.9	234.8
105°	53.5	65.0	90.7	119.1	146.9	161.7	176.0	201.7	228.1	251.8	274.1
107.5°	68.4	80.5	108.3	140.1	171.2	188.1	203.7	231.5	259.2	284.9	308.6
110°	82.6	96.1	125.2	159.7	194.9	211.8	227.4	257.8	286.9	314.0	339.1



TEST NUMBER: P395377

CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	97.5	111.7	140.8	178.7	214.5	232.1	248.4	280.9	311.3	339.1	364.1
115°	111.7	125.2	155.7	194.9	231.5	249.7	267.3	300.5	332.3	360.0	385.8
117.5°	125.2	138.1	169.2	208.4	246.3	264.6	282.2	316.7	348.5	377.6	402.7
120°	138.7	150.2	184.1	219.9	258.5	276.8	295.1	329.6	362.1	391.2	416.9
122.5°	150.9	161.7	194.9	230.1	268.0	286.9	304.5	339.7	372.9	402.0	427.0
125°	161.7	171.9	205.1	238.2	276.1	294.4	312.7	347.2	380.3	408.8	434.5
127.5°	172.6	182.7	212.5	246.3	281.5	300.5	318.1	352.6	385.1	414.2	439.2
130°	184.1	191.5	219.9	253.8	286.9	304.5	322.8	356.0	387.8	416.2	441.2
132.5°	193.6	200.3	227.4	259.9	291.0	307.9	324.2	357.3	389.1	416.2	440.6
135°	202.4	207.8	232.8	265.3	294.4	310.0	325.5	356.7	387.8	414.9	438.5
137.5°	210.5	215.9	237.5	269.3	297.1	310.6	325.5	354.6	384.4	411.5	433.8
140°	217.9	222.0	241.6	271.4	298.5	311.3	324.2	351.2	379.0	405.4	427.7
142.5°	225.4	228.7	245.0	272.7	299.1	311.3	323.5	347.2	372.9	398.6	420.9
145°	230.8	234.2	247.7	273.4	298.5	310.0	320.8	343.1	366.1	389.8	411.5
147.5°	236.9	239.6	250.4	272.1	296.4	307.2	317.4	337.7	358.7	380.3	400.6
150°	240.9	243.6	251.8	270.7	293.0	303.2	313.3	332.3	351.2	370.2	387.8
152.5°	245.0	247.0	253.8	268.7	289.0	298.5	307.9	326.2	343.8	360.7	376.3
155°	248.4	250.4	255.1	267.3	284.2	293.0	301.8	319.4	335.7	350.6	364.8
157.5°	251.8	253.1	256.5	265.3	278.8	286.9	295.1	310.6	325.5	340.4	351.9
160°	254.5	255.1	257.8	264.6	274.1	280.2	287.6	301.8	315.4	328.2	339.1
162.5°	257.2	257.2	259.2	263.3	270.0	274.1	279.5	291.7	303.9	315.4	325.5
165°	258.5	258.5	259.9	262.6	266.6	269.3	272.7	280.9	290.3	300.5	310.0
167.5°	259.9	259.9	260.6	261.9	264.6	266.0	267.3	272.7	278.8	286.3	293.7
170°	261.2	260.6	260.6	261.9	262.6	263.3	263.9	266.6	269.3	274.1	278.1
172.5°	261.2	260.6	260.6	261.2	261.2	261.2	261.2	261.9	262.6	265.3	266.6
175°	261.2	260.6	260.6	260.6	260.6	259.9	259.9	259.9	259.9	259.9	260.6
177.5°	261.2	260.6	259.9	259.9	259.2	259.2	258.5	258.5	257.8	257.8	257.8
180°	256.5	256.5	256.5	256.5	256.5	256.5	256.5	256.5	256.5	256.5	256.5



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CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8	190.8
2.5°	191.5	191.5	190.8	190.8	190.2	190.2	189.5	188.8	188.1	188.1
5°	192.2	191.5	190.8	190.8	190.8	190.2	190.2	190.2	189.5	189.5
7.5°	192.2	192.2	192.2	191.5	191.5	191.5	191.5	191.5	190.8	190.8
10°	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.2	192.2	192.2
12.5°	192.9	192.9	192.9	193.6	193.6	193.6	193.6	193.6	193.6	193.6
15°	193.6	193.6	194.2	194.2	194.9	194.9	195.6	195.6	195.6	194.9
17.5°	192.9	193.6	194.2	194.9	195.6	195.6	196.3	196.3	196.3	196.3
20°	192.9	194.2	194.9	195.6	196.3	196.3	196.9	197.6	197.6	196.9
22.5°	192.2	193.6	194.2	195.6	196.3	196.3	197.6	197.6	197.6	197.6
25°	191.5	192.9	194.2	195.6	196.3	196.3	197.6	197.6	198.3	198.3
27.5°	190.2	191.5	193.6	194.9	195.6	196.3	196.9	197.6	197.6	197.6
30°	188.1	190.2	192.2	193.6	194.2	194.9	195.6	196.3	196.9	196.9
32.5°	185.4	187.5	189.5	191.5	192.2	192.9	194.2	194.9	194.9	194.9
35°	182.7	184.8	186.8	188.8	189.5	190.2	191.5	192.2	192.9	192.9
37.5°	178.7	180.7	182.7	184.8	185.4	186.8	188.1	188.8	188.8	188.8
40°	172.6	176.0	178.7	180.7	181.4	182.7	183.4	184.8	184.8	184.8
42.5°	167.2	169.9	171.9	174.6	175.3	177.3	178.7	179.3	180.0	180.0
45°	161.1	163.8	165.8	167.8	168.5	169.9	171.2	171.9	172.6	173.2
47.5°	155.0	157.0	159.0	161.1	161.7	163.1	164.5	165.1	165.8	165.8
50°	147.5	149.6	151.6	153.6	154.3	155.7	156.3	157.0	157.7	157.7
52.5°	139.4	141.4	143.5	145.5	146.2	146.9	148.2	148.9	149.6	149.6
55°	131.3	133.3	134.7	136.7	137.4	138.1	138.7	140.1	140.8	140.1
57.5°	121.8	123.8	125.2	127.2	127.9	128.6	129.3	129.9	130.6	130.6
60°	111.7	113.7	115.7	117.1	117.8	118.4	119.1	119.8	120.5	120.5
62.5°	101.5	103.5	104.9	106.9	107.6	107.6	108.3	109.0	109.6	109.6
65°	91.4	93.4	94.1	96.1	96.1	96.8	97.5	98.1	98.1	98.1
67.5°	80.5	82.6	83.2	84.6	84.6	85.3	85.9	86.6	86.6	86.6
70°	70.4	71.1	72.4	73.1	73.8	73.8	74.4	75.1	75.8	75.1
72.5°	59.6	60.2	61.6	62.3	62.3	62.9	62.9	63.6	64.3	64.3
75°	48.7	50.1	50.8	51.4	52.1	52.1	52.8	53.5	53.5	53.5
77.5°	38.6	39.9	40.6	41.3	42.0	42.0	42.6	42.6	43.3	42.6
80°	29.8	30.5	31.1	31.8	32.5	32.5	33.2	33.8	33.8	33.8
82.5°	21.7	22.3	23.7	24.4	24.4	24.4	25.7	25.7	26.4	25.7
85°	14.9	15.6	16.9	17.6	18.3	18.3	18.3	18.9	19.6	18.9
87.5°	9.5	10.8	11.5	12.2	12.2	12.2	12.9	13.5	13.5	13.5
90°	5.4	5.4	6.1	6.8	6.8	7.4	7.4	8.1	8.1	8.1
92.5°	5.4	6.1	6.1	6.1	6.8	6.8	6.8	7.4	7.4	7.4
95°	46.0	33.2	18.9	14.9	12.9	12.9	12.2	12.9	12.2	12.2
97.5°	139.4	150.9	156.3	163.8	167.8	167.2	164.5	167.2	165.1	167.2
100°	198.3	209.1	217.2	219.3	223.3	225.4	232.8	238.2	240.9	244.3
102.5°	246.3	259.2	268.7	274.1	278.1	280.9	289.7	297.8	301.8	304.5
105°	290.3	303.9	315.4	320.8	325.5	328.2	337.7	347.2	353.3	356.7
107.5°	325.5	341.1	353.3	361.4	366.1	370.9	382.4	391.8	399.3	402.7
110°	357.3	372.9	385.8	395.2	400.6	405.4	418.2	429.1	437.2	441.2



TEST NUMBER: P395377

CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	383.7	400.6	413.5	423.7	429.1	435.8	448.0	460.2	468.3	473.1
115°	405.4	423.0	436.5	447.3	453.4	459.5	473.7	485.9	494.0	497.4
117.5°	423.7	441.2	455.5	466.3	473.1	479.8	494.0	504.9	513.7	516.4
120°	438.5	456.1	470.3	482.5	489.3	495.4	508.9	520.4	528.5	530.6
122.5°	448.7	467.0	481.9	495.4	501.5	507.6	520.4	531.9	539.4	541.4
125°	456.1	475.1	490.0	504.2	510.3	516.4	528.5	540.1	546.1	548.9
127.5°	460.9	479.8	496.1	509.6	516.4	521.8	534.0	544.1	550.2	552.2
130°	462.2	481.9	498.1	512.3	518.4	523.8	535.3	545.5	550.9	552.2
132.5°	462.2	481.2	498.1	511.6	517.7	523.1	534.0	543.4	548.9	550.2
135°	459.5	477.8	494.7	508.2	514.3	519.7	530.6	538.7	544.1	544.8
137.5°	454.8	472.4	488.6	502.2	508.2	513.7	523.1	531.9	536.7	538.0
140°	448.7	464.9	481.2	494.0	500.1	504.9	514.3	521.8	526.5	527.9
142.5°	440.6	456.8	471.7	484.6	489.3	494.7	502.8	510.3	514.3	515.7
145°	431.8	447.3	460.9	472.4	477.8	482.5	490.0	496.7	500.8	502.2
147.5°	420.3	435.8	448.7	459.5	464.3	469.0	475.8	481.9	485.9	487.3
150°	406.1	420.3	433.8	444.0	448.7	453.4	460.2	465.6	469.7	470.3
152.5°	391.8	405.4	416.9	427.0	431.8	436.5	442.6	448.0	452.8	452.8
155°	378.3	389.8	400.6	409.4	413.5	417.6	423.7	428.4	432.4	432.4
157.5°	364.1	374.9	383.7	391.8	395.2	398.6	404.0	408.1	411.5	410.8
160°	350.6	358.7	366.8	373.6	377.0	379.7	383.7	387.1	390.5	389.8
162.5°	335.7	343.1	349.9	354.6	357.3	359.4	363.4	366.8	368.8	368.8
165°	318.8	325.5	331.6	336.3	339.1	340.4	343.8	345.8	347.9	347.9
167.5°	301.2	306.6	312.0	316.0	318.8	320.1	323.5	324.8	327.6	326.9
170°	283.6	287.6	291.7	295.1	296.4	297.8	300.5	301.8	303.2	303.2
172.5°	269.3	270.7	272.7	275.4	275.4	276.1	277.5	278.1	278.8	278.8
175°	261.2	261.9	261.9	261.9	261.9	261.9	262.6	261.9	262.6	261.9
177.5°	257.8	257.8	257.2	257.2	256.5	257.2	256.5	255.8	255.8	255.1
180°	256.5	256.5	256.5	256.5	256.5	256.5	256.5	256.5	256.5	256.5

(END OF REPORT)