

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: P395380

Luminaire Tested: **I3-CL-30L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395380
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 (6500K)
Description: CORELITE I3, CLEAR TOP COVER
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2634.3 lumens
Efficiency: N/A
Efficacy: 121.4 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

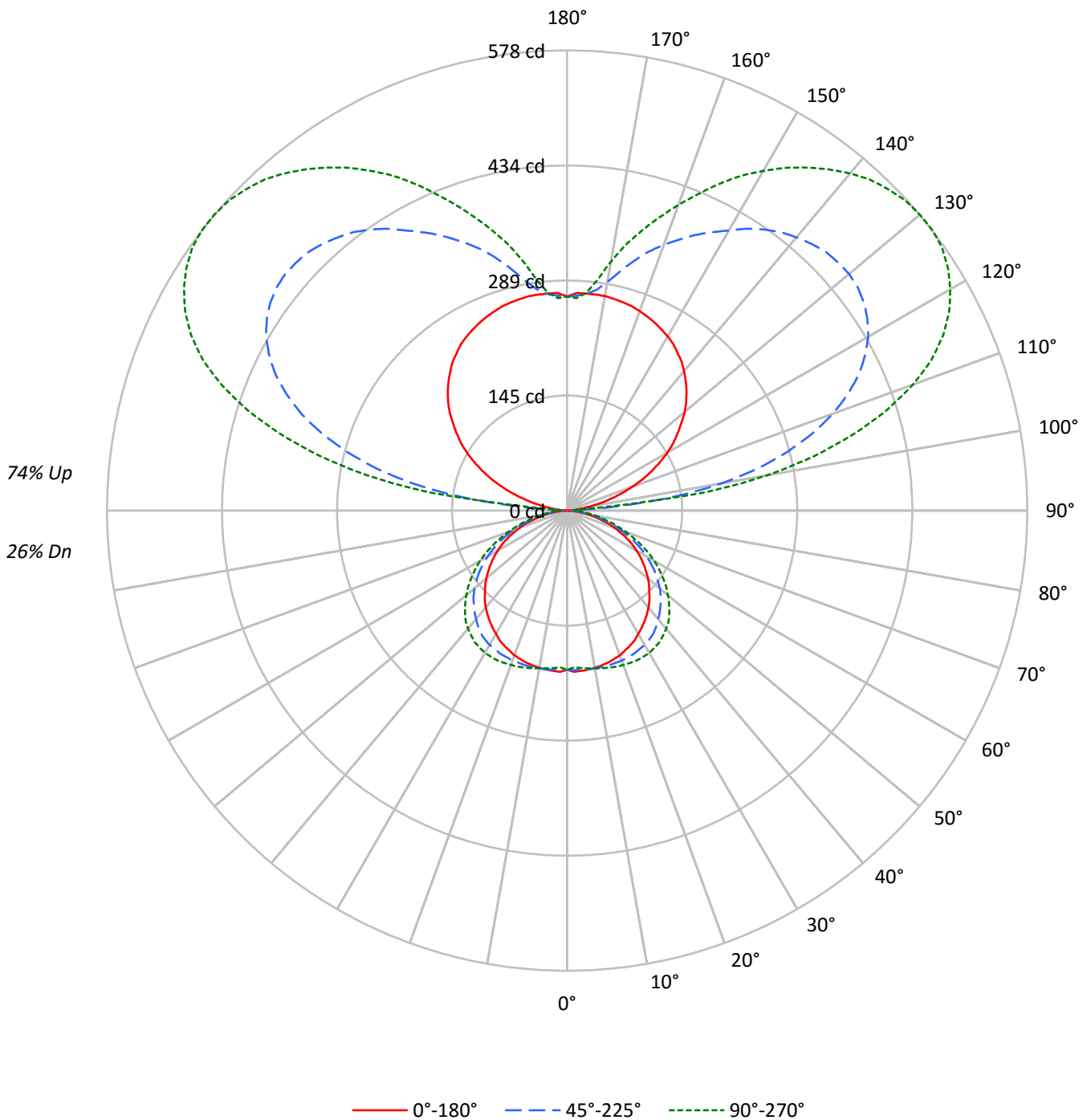
Input Watts (W): 21.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395380

CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (6500K)

Luminous Intensity Polar Plot





TEST NUMBER: P395380

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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°	1099	1099	1099
5°	1110	1082	1064
10°	1111	1073	1061
15°	1113	1069	1067
20°	1115	1070	1076
25°	1113	1071	1090
30°	1106	1072	1098
35°	1104	1067	1099
40°	1100	1044	1085
45°	1089	1019	1058
50°	1079	985	1011
55°	1057	936	952
60°	1031	869	880
65°	988	781	780
70°	918	665	660
75°	792	529	530
80°	615	376	388
85°	361	233	260



TEST NUMBER: P395380

CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (6500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.1	0.7
10°-20°	56.8	2.2
20°-30°	91.1	3.5
30°-40°	116.5	4.4
40°-50°	127.0	4.8
50°-60°	119.0	4.5
60°-70°	92.4	3.5
70°-80°	52.9	2.0
80°-90°	16.9	0.6
90°-100°	67.9	2.6
100°-110°	264.1	10.0
110°-120°	359.6	13.6
120°-130°	373.3	14.2
130°-140°	331.1	12.6
140°-150°	256.9	9.8
150°-160°	171.4	6.5
160°-170°	91.4	3.5
170°-180°	26.7	1.0
0°-30°	167.1	6.3
0°-40°	283.6	10.8
0°-60°	529.7	20.1
0°-90°	691.9	26.3
90°-120°	691.6	26.3
90°-150°	1652.9	62.7
90°-180°	1942.0	73.7
0°-180°	2634.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	200	200	200	200	200	
5°	202	200	201	200	198	19
15°	198	197	201	204	204	56
25°	187	189	198	206	208	86
35°	169	173	189	198	202	106
45°	146	152	166	176	182	113
55°	117	123	135	144	147	105
65°	83	86	94	101	103	82
75°	43	45	50	55	56	46
85°	8	10	15	19	20	10
90°	1	2	5	7	8	1
95°	8	48	66	14	13	11
105°	56	169	287	341	374	60
115°	117	262	404	475	521	115
125°	169	308	455	534	575	152
135°	212	325	459	539	571	163
145°	242	325	431	500	526	151
155°	260	307	382	433	453	120
165°	271	282	325	355	364	77
175°	274	272	273	274	274	26
180°	269	269	269	269	269	



TEST NUMBER: P395380

CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9
2.5°	202.7	202.0	202.0	200.6	200.6	199.9	199.9	199.9	199.9	199.9	200.6
5°	202.0	202.0	201.3	200.6	200.6	199.9	199.9	199.9	199.9	199.9	200.6
7.5°	201.3	201.3	200.6	199.9	199.9	199.9	199.9	199.9	199.9	199.9	201.3
10°	200.6	200.6	199.9	199.2	199.2	199.2	199.2	199.9	199.9	199.9	201.3
12.5°	199.2	198.5	198.5	197.8	197.8	197.8	198.5	198.5	199.2	199.9	201.3
15°	197.8	197.8	197.1	196.4	197.1	197.1	197.1	197.8	198.5	199.2	201.3
17.5°	195.7	195.7	194.9	194.9	194.9	195.7	195.7	196.4	197.8	199.2	200.6
20°	193.5	192.8	192.8	192.8	193.5	193.5	194.2	195.7	196.4	198.5	200.6
22.5°	190.0	190.7	190.0	190.0	190.7	191.4	192.1	193.5	194.9	197.1	199.2
25°	187.1	187.1	187.1	187.1	188.6	188.6	190.0	191.4	193.5	195.7	198.5
27.5°	183.6	183.6	183.6	184.3	185.0	185.7	186.4	188.6	190.7	193.5	196.4
30°	178.6	178.6	178.6	178.6	180.8	181.5	182.9	185.7	187.9	191.4	194.9
32.5°	174.4	174.4	174.4	175.1	176.5	177.2	178.6	182.2	185.0	188.6	192.1
35°	169.4	169.4	170.1	170.1	172.3	173.0	174.4	177.2	180.1	184.3	188.6
37.5°	164.5	164.5	165.2	165.9	167.3	168.7	170.1	173.0	175.8	179.3	183.6
40°	158.8	158.8	159.5	160.2	162.3	163.8	165.2	168.0	170.8	174.4	177.9
42.5°	153.1	153.1	153.8	154.5	156.7	158.1	159.5	163.0	165.9	169.4	172.3
45°	146.0	146.7	147.4	148.9	151.0	152.4	153.8	156.7	160.2	163.0	165.9
47.5°	139.6	140.4	141.1	142.5	144.6	146.0	147.4	150.3	153.1	156.0	159.5
50°	132.6	133.3	134.0	135.4	137.5	138.9	140.4	143.2	146.0	148.2	151.7
52.5°	124.8	125.5	126.2	127.6	130.4	131.1	132.6	135.4	137.5	140.4	143.2
55°	117.0	117.7	118.4	119.8	121.9	123.3	124.1	126.9	129.0	131.9	134.7
57.5°	109.2	109.9	110.6	112.0	113.4	114.8	115.5	117.7	120.5	122.6	125.5
60°	100.7	101.4	102.1	102.8	104.9	105.6	106.3	108.5	110.6	113.4	115.5
62.5°	92.2	92.2	92.9	93.6	95.7	96.4	97.1	98.5	101.4	102.8	104.9
65°	82.9	82.9	83.6	84.4	85.8	86.5	87.2	88.6	90.7	92.2	94.3
67.5°	73.0	73.0	73.7	74.4	75.8	76.6	76.6	78.7	80.1	81.5	82.9
70°	63.8	63.8	64.5	64.5	65.2	65.9	66.6	68.1	68.8	70.9	71.6
72.5°	53.9	53.9	53.9	53.9	55.3	55.3	56.0	57.4	58.1	59.5	61.0
75°	43.2	43.2	44.0	44.0	44.7	45.4	46.1	46.8	48.2	48.9	49.6
77.5°	34.0	33.3	34.0	34.7	35.4	35.4	36.2	36.9	37.6	39.0	39.7
80°	24.1	24.1	24.1	24.8	25.5	25.5	26.2	26.9	27.6	29.1	29.8
82.5°	15.6	15.6	16.3	16.3	17.0	17.7	17.7	18.4	19.1	20.6	21.3
85°	8.5	8.5	8.5	9.2	9.9	9.9	10.6	11.3	12.8	13.5	14.9
87.5°	2.8	2.8	3.5	4.3	5.0	5.0	5.7	6.4	7.1	8.5	9.2
90°	0.7	0.7	0.7	1.4	1.4	2.1	2.1	2.8	3.5	4.3	5.0
92.5°	2.8	5.0	7.8	11.3	10.6	11.3	7.8	5.0	5.0	5.0	5.7
95°	8.5	12.8	20.6	32.6	42.5	48.2	53.2	58.1	68.1	68.8	65.9
97.5°	17.0	23.4	37.6	53.2	70.9	80.1	87.2	102.1	117.7	127.6	139.6
100°	28.4	37.6	56.0	77.3	97.8	109.9	121.2	142.5	161.6	178.6	197.1
102.5°	41.8	52.5	75.1	101.4	126.9	140.4	152.4	177.2	203.4	226.1	246.0
105°	56.0	68.1	95.0	124.8	153.8	169.4	184.3	211.2	238.9	263.7	287.1
107.5°	71.6	84.4	113.4	146.7	179.3	197.1	213.4	242.4	271.5	298.4	323.2
110°	86.5	100.7	131.1	167.3	204.2	221.9	238.2	270.1	300.6	328.9	355.1



TEST NUMBER: P395380

CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	102.1	117.0	147.4	187.1	224.7	243.1	260.2	294.2	326.1	355.1	381.4
115°	117.0	131.1	163.0	204.2	242.4	261.6	280.0	314.7	348.1	377.1	404.1
117.5°	131.1	144.6	177.2	218.3	258.0	277.2	295.6	331.8	365.1	395.6	421.8
120°	145.3	157.4	192.8	230.4	270.8	289.9	309.1	345.2	379.2	409.7	436.7
122.5°	158.1	169.4	204.2	241.0	280.7	300.6	319.0	355.9	390.6	421.1	447.3
125°	169.4	180.1	214.8	249.5	289.2	308.4	327.5	363.7	398.4	428.2	455.1
127.5°	180.8	191.4	222.6	258.0	294.9	314.7	333.2	369.3	403.4	433.8	460.1
130°	192.8	200.6	230.4	265.8	300.6	319.0	338.1	372.9	406.2	436.0	462.2
132.5°	202.7	209.8	238.2	272.2	304.8	322.5	339.6	374.3	407.6	436.0	461.5
135°	212.0	217.6	243.9	277.9	308.4	324.7	341.0	373.6	406.2	434.5	459.4
137.5°	220.5	226.1	248.8	282.1	311.2	325.4	341.0	371.5	402.6	431.0	454.4
140°	228.3	232.5	253.1	284.3	312.6	326.1	339.6	367.9	397.0	424.6	448.0
142.5°	236.1	239.6	256.6	285.7	313.3	326.1	338.8	363.7	390.6	417.5	440.9
145°	241.7	245.3	259.4	286.4	312.6	324.7	336.0	359.4	383.5	408.3	431.0
147.5°	248.1	250.9	262.3	285.0	310.5	321.8	332.5	353.7	375.7	398.4	419.7
150°	252.4	255.2	263.7	283.6	306.9	317.6	328.2	348.1	367.9	387.8	406.2
152.5°	256.6	258.7	265.8	281.4	302.7	312.6	322.5	341.7	360.1	377.8	394.1
155°	260.2	262.3	267.2	280.0	297.7	306.9	316.2	334.6	351.6	367.2	382.1
157.5°	263.7	265.1	268.7	277.9	292.1	300.6	309.1	325.4	341.0	356.6	368.6
160°	266.5	267.2	270.1	277.2	287.1	293.5	301.3	316.2	330.3	343.8	355.1
162.5°	269.4	269.4	271.5	275.8	282.8	287.1	292.8	305.5	318.3	330.3	341.0
165°	270.8	270.8	272.2	275.0	279.3	282.1	285.7	294.2	304.1	314.7	324.7
167.5°	272.2	272.2	272.9	274.3	277.2	278.6	280.0	285.7	292.1	299.9	307.7
170°	273.6	272.9	272.9	274.3	275.0	275.8	276.5	279.3	282.1	287.1	291.3
172.5°	273.6	272.9	272.9	273.6	273.6	273.6	273.6	274.3	275.0	277.9	279.3
175°	273.6	272.9	272.9	272.9	272.9	272.2	272.2	272.2	272.2	272.2	272.9
177.5°	273.6	272.9	272.2	272.2	271.5	271.5	270.8	270.8	270.1	270.1	270.1
180°	268.7	268.7	268.7	268.7	268.7	268.7	268.7	268.7	268.7	268.7	268.7



TEST NUMBER: P395380

CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9	199.9
2.5°	200.6	200.6	199.9	199.9	199.2	199.2	198.5	197.8	197.1	197.1
5°	201.3	200.6	199.9	199.9	199.9	199.2	199.2	199.2	198.5	198.5
7.5°	201.3	201.3	201.3	200.6	200.6	200.6	200.6	200.6	199.9	199.9
10°	202.0	202.0	202.0	202.0	202.0	202.0	202.0	201.3	201.3	201.3
12.5°	202.0	202.0	202.0	202.7	202.7	202.7	202.7	202.7	202.7	202.7
15°	202.7	202.7	203.4	203.4	204.2	204.2	204.9	204.9	204.9	204.2
17.5°	202.0	202.7	203.4	204.2	204.9	204.9	205.6	205.6	205.6	205.6
20°	202.0	203.4	204.2	204.9	205.6	205.6	206.3	207.0	207.0	206.3
22.5°	201.3	202.7	203.4	204.9	205.6	205.6	207.0	207.0	207.0	207.0
25°	200.6	202.0	203.4	204.9	205.6	205.6	207.0	207.0	207.7	207.7
27.5°	199.2	200.6	202.7	204.2	204.9	205.6	206.3	207.0	207.0	207.0
30°	197.1	199.2	201.3	202.7	203.4	204.2	204.9	205.6	206.3	206.3
32.5°	194.2	196.4	198.5	200.6	201.3	202.0	203.4	204.2	204.2	204.2
35°	191.4	193.5	195.7	197.8	198.5	199.2	200.6	201.3	202.0	202.0
37.5°	187.1	189.3	191.4	193.5	194.2	195.7	197.1	197.8	197.8	197.8
40°	180.8	184.3	187.1	189.3	190.0	191.4	192.1	193.5	193.5	193.5
42.5°	175.1	177.9	180.1	182.9	183.6	185.7	187.1	187.9	188.6	188.6
45°	168.7	171.5	173.7	175.8	176.5	177.9	179.3	180.1	180.8	181.5
47.5°	162.3	164.5	166.6	168.7	169.4	170.8	172.3	173.0	173.7	173.7
50°	154.5	156.7	158.8	160.9	161.6	163.0	163.8	164.5	165.2	165.2
52.5°	146.0	148.2	150.3	152.4	153.1	153.8	155.2	156.0	156.7	156.7
55°	137.5	139.6	141.1	143.2	143.9	144.6	145.3	146.7	147.4	146.7
57.5°	127.6	129.7	131.1	133.3	134.0	134.7	135.4	136.1	136.8	136.8
60°	117.0	119.1	121.2	122.6	123.3	124.1	124.8	125.5	126.2	126.2
62.5°	106.3	108.5	109.9	112.0	112.7	112.7	113.4	114.1	114.8	114.8
65°	95.7	97.8	98.5	100.7	100.7	101.4	102.1	102.8	102.8	102.8
67.5°	84.4	86.5	87.2	88.6	88.6	89.3	90.0	90.7	90.7	90.7
70°	73.7	74.4	75.8	76.6	77.3	77.3	78.0	78.7	79.4	78.7
72.5°	62.4	63.1	64.5	65.2	65.2	65.9	65.9	66.6	67.3	67.3
75°	51.0	52.5	53.2	53.9	54.6	54.6	55.3	56.0	56.0	56.0
77.5°	40.4	41.8	42.5	43.2	44.0	44.0	44.7	44.7	45.4	44.7
80°	31.2	31.9	32.6	33.3	34.0	34.0	34.7	35.4	35.4	35.4
82.5°	22.7	23.4	24.8	25.5	25.5	25.5	26.9	26.9	27.6	26.9
85°	15.6	16.3	17.7	18.4	19.1	19.1	19.1	19.8	20.6	19.8
87.5°	9.9	11.3	12.1	12.8	12.8	12.8	13.5	14.2	14.2	14.2
90°	5.7	5.7	6.4	7.1	7.1	7.8	7.8	8.5	8.5	8.5
92.5°	5.7	6.4	6.4	6.4	7.1	7.1	7.1	7.8	7.8	7.8
95°	48.2	34.7	19.8	15.6	13.5	13.5	12.8	13.5	12.8	12.8
97.5°	146.0	158.1	163.8	171.5	175.8	175.1	172.3	175.1	173.0	175.1
100°	207.7	219.0	227.5	229.7	233.9	236.1	243.9	249.5	252.4	255.9
102.5°	258.0	271.5	281.4	287.1	291.3	294.2	303.4	311.9	316.2	319.0
105°	304.1	318.3	330.3	336.0	341.0	343.8	353.7	363.7	370.0	373.6
107.5°	341.0	357.3	370.0	378.5	383.5	388.5	400.5	410.4	418.2	421.8
110°	374.3	390.6	404.1	414.0	419.7	424.6	438.1	449.4	457.9	462.2



TEST NUMBER: P395380

CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	401.9	419.7	433.1	443.8	449.4	456.5	469.3	482.0	490.5	495.5
115°	424.6	443.0	457.2	468.6	474.9	481.3	496.2	509.0	517.5	521.0
117.5°	443.8	462.2	477.1	488.4	495.5	502.6	517.5	528.8	538.0	540.9
120°	459.4	477.8	492.7	505.4	512.5	518.9	533.1	545.1	553.6	555.8
122.5°	470.0	489.1	504.7	518.9	525.3	531.7	545.1	557.2	565.0	567.1
125°	477.8	497.6	513.2	528.1	534.5	540.9	553.6	565.7	572.1	574.9
127.5°	482.7	502.6	519.6	533.8	540.9	546.5	559.3	569.9	576.3	578.4
130°	484.2	504.7	521.7	536.6	543.0	548.7	560.7	571.4	577.0	578.4
132.5°	484.2	504.0	521.7	535.9	542.3	548.0	559.3	569.2	574.9	576.3
135°	481.3	500.5	518.2	532.4	538.7	544.4	555.8	564.3	569.9	570.6
137.5°	476.4	494.8	511.8	526.0	532.4	538.0	548.0	557.2	562.1	563.6
140°	470.0	487.0	504.0	517.5	523.9	528.8	538.7	546.5	551.5	552.9
142.5°	461.5	478.5	494.1	507.6	512.5	518.2	526.7	534.5	538.7	540.2
145°	452.3	468.6	482.7	494.8	500.5	505.4	513.2	520.3	524.6	526.0
147.5°	440.2	456.5	470.0	481.3	486.3	491.3	498.3	504.7	509.0	510.4
150°	425.3	440.2	454.4	465.0	470.0	474.9	482.0	487.7	492.0	492.7
152.5°	410.4	424.6	436.7	447.3	452.3	457.2	463.6	469.3	474.2	474.2
155°	396.3	408.3	419.7	428.9	433.1	437.4	443.8	448.7	453.0	453.0
157.5°	381.4	392.7	401.9	410.4	414.0	417.5	423.2	427.5	431.0	430.3
160°	367.2	375.7	384.2	391.3	394.8	397.7	401.9	405.5	409.0	408.3
162.5°	351.6	359.4	366.5	371.5	374.3	376.4	380.7	384.2	386.3	386.3
165°	333.9	341.0	347.3	352.3	355.1	356.6	360.1	362.2	364.4	364.4
167.5°	315.5	321.1	326.8	331.0	333.9	335.3	338.8	340.3	343.1	342.4
170°	297.0	301.3	305.5	309.1	310.5	311.9	314.7	316.2	317.6	317.6
172.5°	282.1	283.6	285.7	288.5	288.5	289.2	290.6	291.3	292.1	292.1
175°	273.6	274.3	274.3	274.3	274.3	274.3	275.0	274.3	275.0	274.3
177.5°	270.1	270.1	269.4	269.4	268.7	269.4	268.7	268.0	268.0	267.2
180°	268.7	268.7	268.7	268.7	268.7	268.7	268.7	268.7	268.7	268.7

(END OF REPORT)