

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: P395379

Luminaire Tested: **I3-CL-30L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395379
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 (5700K)
Description: CORELITE I3, CLEAR TOP COVER
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2617.6 lumens
Efficiency: N/A
Efficacy: 122.9 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

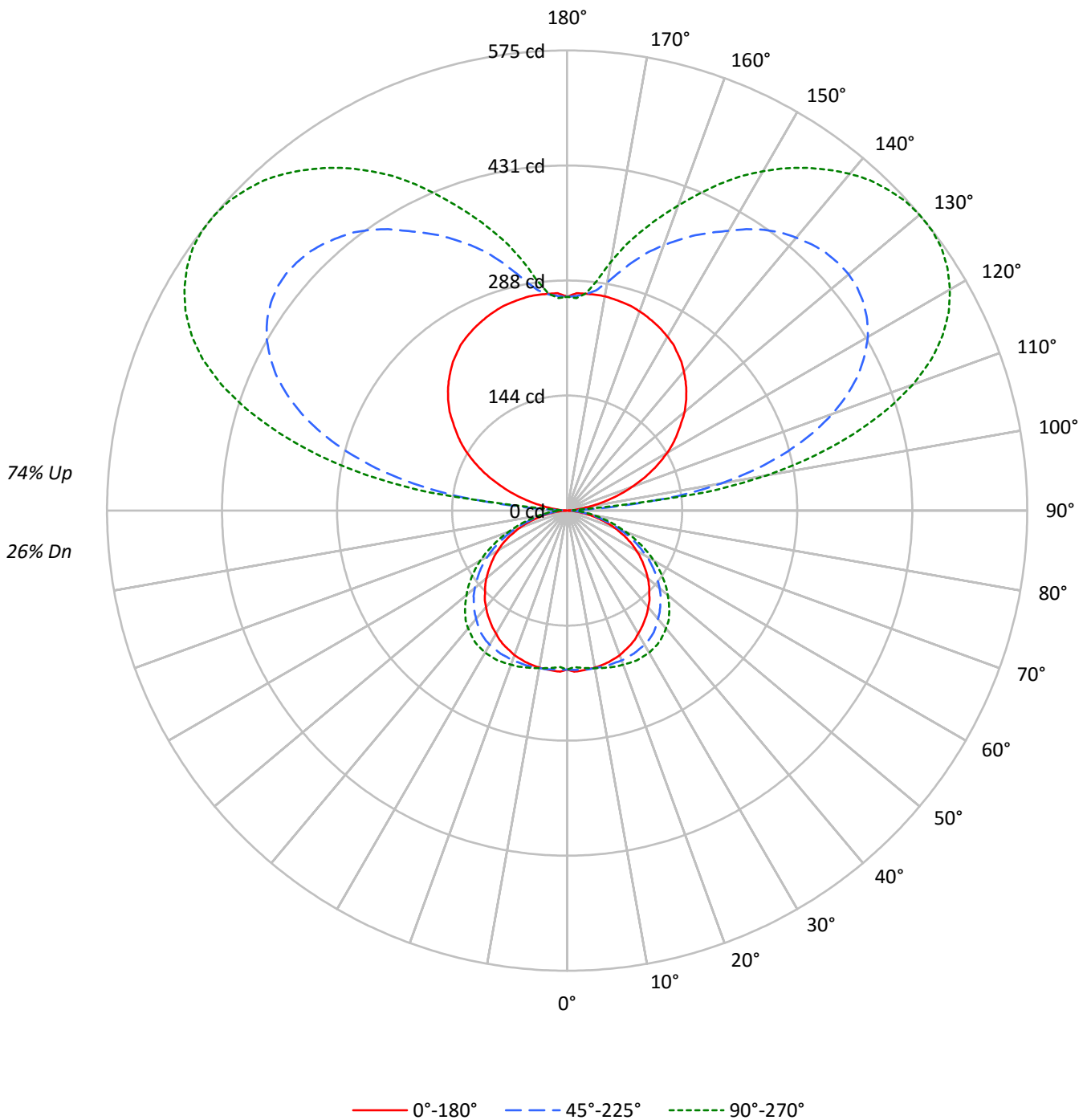
Input Watts (W): 21.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (5700K)

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°	1092	1092	1092
5°	1104	1075	1057
10°	1104	1066	1054
15°	1106	1062	1060
20°	1108	1063	1069
25°	1106	1064	1083
30°	1100	1066	1091
35°	1097	1060	1092
40°	1093	1037	1078
45°	1082	1012	1051
50°	1072	979	1004
55°	1050	929	947
60°	1024	864	874
65°	982	776	774
70°	912	660	656
75°	788	526	526
80°	609	374	385
85°	361	231	258



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.0	0.7
10°-20°	56.5	2.2
20°-30°	90.5	3.5
30°-40°	115.8	4.4
40°-50°	126.2	4.8
50°-60°	118.3	4.5
60°-70°	91.8	3.5
70°-80°	52.6	2.0
80°-90°	16.8	0.6
90°-100°	67.5	2.6
100°-110°	262.4	10.0
110°-120°	357.3	13.6
120°-130°	370.9	14.2
130°-140°	329.0	12.6
140°-150°	255.3	9.8
150°-160°	170.4	6.5
160°-170°	90.8	3.5
170°-180°	26.6	1.0
0°-30°	166.0	6.3
0°-40°	281.8	10.8
0°-60°	526.3	20.1
0°-90°	687.5	26.3
90°-120°	687.3	26.3
90°-150°	1642.4	62.7
90°-180°	1930.0	73.7
0°-180°	2617.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	199	199	199	199	199	
5°	201	199	199	199	197	19
15°	196	196	200	203	203	56
25°	186	187	197	204	206	86
35°	168	172	187	197	201	105
45°	145	151	165	175	180	112
55°	116	123	134	143	146	104
65°	82	86	94	100	102	81
75°	43	45	49	54	56	46
85°	8	10	15	19	20	10
90°	1	2	5	7	8	1
95°	8	48	66	13	13	11
105°	56	168	285	339	371	59
115°	116	260	402	472	518	115
125°	168	306	452	531	571	151
135°	211	323	456	535	567	162
145°	240	323	428	497	523	150
155°	258	305	380	430	450	119
165°	269	280	323	353	362	76
175°	272	270	271	273	273	26
180°	267	267	267	267	267	



TEST NUMBER: P395379

CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6
2.5°	201.5	200.8	200.8	199.3	199.3	198.6	198.6	198.6	198.6	198.6	199.3
5°	200.8	200.8	200.0	199.3	199.3	198.6	198.6	198.6	198.6	198.6	199.3
7.5°	200.0	200.0	199.3	198.6	198.6	198.6	198.6	198.6	198.6	198.6	200.0
10°	199.3	199.3	198.6	197.9	197.9	197.9	197.9	198.6	198.6	198.6	200.0
12.5°	197.9	197.2	197.2	196.5	196.5	196.5	197.2	197.2	197.9	198.6	200.0
15°	196.5	196.5	195.8	195.1	195.8	195.8	195.8	196.5	197.2	197.9	200.0
17.5°	194.4	194.4	193.7	193.7	193.7	194.4	194.4	195.1	196.5	197.9	199.3
20°	192.3	191.6	191.6	191.6	192.3	192.3	193.0	194.4	195.1	197.2	199.3
22.5°	188.8	189.5	188.8	188.8	189.5	190.2	190.9	192.3	193.7	195.8	197.9
25°	186.0	186.0	186.0	186.0	187.4	187.4	188.8	190.2	192.3	194.4	197.2
27.5°	182.4	182.4	182.4	183.1	183.8	184.6	185.3	187.4	189.5	192.3	195.1
30°	177.5	177.5	177.5	177.5	179.6	180.3	181.7	184.6	186.7	190.2	193.7
32.5°	173.3	173.3	173.3	174.0	175.4	176.1	177.5	181.0	183.8	187.4	190.9
35°	168.4	168.4	169.1	169.1	171.2	171.9	173.3	176.1	178.9	183.1	187.4
37.5°	163.4	163.4	164.1	164.8	166.2	167.6	169.1	171.9	174.7	178.2	182.4
40°	157.8	157.8	158.5	159.2	161.3	162.7	164.1	166.9	169.8	173.3	176.8
42.5°	152.1	152.1	152.9	153.6	155.7	157.1	158.5	162.0	164.8	168.4	171.2
45°	145.1	145.8	146.5	147.9	150.0	151.4	152.9	155.7	159.2	162.0	164.8
47.5°	138.8	139.5	140.2	141.6	143.7	145.1	146.5	149.3	152.1	155.0	158.5
50°	131.7	132.4	133.1	134.5	136.7	138.1	139.5	142.3	145.1	147.2	150.7
52.5°	124.0	124.7	125.4	126.8	129.6	130.3	131.7	134.5	136.7	139.5	142.3
55°	116.2	116.9	117.6	119.0	121.2	122.6	123.3	126.1	128.2	131.0	133.8
57.5°	108.5	109.2	109.9	111.3	112.7	114.1	114.8	116.9	119.7	121.9	124.7
60°	100.0	100.7	101.4	102.1	104.3	105.0	105.7	107.8	109.9	112.7	114.8
62.5°	91.6	91.6	92.3	93.0	95.1	95.8	96.5	97.9	100.7	102.1	104.3
65°	82.4	82.4	83.1	83.8	85.2	85.9	86.6	88.0	90.2	91.6	93.7
67.5°	72.6	72.6	73.3	74.0	75.4	76.1	76.1	78.2	79.6	81.0	82.4
70°	63.4	63.4	64.1	64.1	64.8	65.5	66.2	67.6	68.3	70.4	71.1
72.5°	53.5	53.5	53.5	53.5	54.9	54.9	55.6	57.1	57.8	59.2	60.6
75°	43.0	43.0	43.7	43.7	44.4	45.1	45.8	46.5	47.9	48.6	49.3
77.5°	33.8	33.1	33.8	34.5	35.2	35.2	35.9	36.6	37.3	38.7	39.4
80°	23.9	23.9	23.9	24.7	25.4	25.4	26.1	26.8	27.5	28.9	29.6
82.5°	15.5	15.5	16.2	16.2	16.9	17.6	17.6	18.3	19.0	20.4	21.1
85°	8.5	8.5	8.5	9.2	9.9	9.9	10.6	11.3	12.7	13.4	14.8
87.5°	2.8	2.8	3.5	4.2	4.9	4.9	5.6	6.3	7.0	8.5	9.2
90°	0.7	0.7	0.7	1.4	1.4	2.1	2.1	2.8	3.5	4.2	4.9
92.5°	2.8	4.9	7.7	11.3	10.6	11.3	7.7	4.9	4.9	4.9	5.6
95°	8.5	12.7	20.4	32.4	42.3	47.9	52.8	57.8	67.6	68.3	65.5
97.5°	16.9	23.2	37.3	52.8	70.4	79.6	86.6	101.4	116.9	126.8	138.8
100°	28.2	37.3	55.6	76.8	97.2	109.2	120.5	141.6	160.6	177.5	195.8
102.5°	41.6	52.1	74.7	100.7	126.1	139.5	151.4	176.1	202.2	224.7	244.4
105°	55.6	67.6	94.4	124.0	152.9	168.4	183.1	209.9	237.4	262.0	285.3
107.5°	71.1	83.8	112.7	145.8	178.2	195.8	212.0	240.9	269.8	296.6	321.2
110°	85.9	100.0	130.3	166.2	202.9	220.5	236.7	268.4	298.7	326.8	352.9



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CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	101.4	116.2	146.5	186.0	223.3	241.6	258.5	292.3	324.0	352.9	379.0
115°	116.2	130.3	162.0	202.9	240.9	259.9	278.2	312.8	345.9	374.7	401.5
117.5°	130.3	143.7	176.1	217.0	256.4	275.4	293.7	329.7	362.8	393.1	419.1
120°	144.4	156.4	191.6	228.9	269.1	288.1	307.1	343.0	376.9	407.1	433.9
122.5°	157.1	168.4	202.9	239.5	278.9	298.7	317.0	353.6	388.1	418.4	444.5
125°	168.4	178.9	213.4	247.9	287.4	306.4	325.4	361.4	395.9	425.5	452.2
127.5°	179.6	190.2	221.2	256.4	293.0	312.8	331.1	367.0	400.8	431.1	457.2
130°	191.6	199.3	228.9	264.1	298.7	317.0	336.0	370.5	403.6	433.2	459.3
132.5°	201.5	208.5	236.7	270.5	302.9	320.5	337.4	371.9	405.0	433.2	458.6
135°	210.6	216.2	242.3	276.1	306.4	322.6	338.8	371.2	403.6	431.8	456.4
137.5°	219.1	224.7	247.2	280.3	309.2	323.3	338.8	369.1	400.1	428.3	451.5
140°	226.8	231.0	251.5	282.5	310.6	324.0	337.4	365.6	394.5	421.9	445.2
142.5°	234.6	238.1	255.0	283.9	311.3	324.0	336.7	361.4	388.1	414.9	438.1
145°	240.2	243.7	257.8	284.6	310.6	322.6	333.9	357.1	381.1	405.7	428.3
147.5°	246.5	249.4	260.6	283.2	308.5	319.8	330.4	351.5	373.3	395.9	417.0
150°	250.8	253.6	262.0	281.8	305.0	315.6	326.1	345.9	365.6	385.3	403.6
152.5°	255.0	257.1	264.1	279.6	300.8	310.6	320.5	339.5	357.8	375.4	391.6
155°	258.5	260.6	265.6	278.2	295.8	305.0	314.2	332.5	349.4	364.9	379.7
157.5°	262.0	263.4	267.0	276.1	290.2	298.7	307.1	323.3	338.8	354.3	366.3
160°	264.9	265.6	268.4	275.4	285.3	291.6	299.4	314.2	328.2	341.6	352.9
162.5°	267.7	267.7	269.8	274.0	281.1	285.3	290.9	303.6	316.3	328.2	338.8
165°	269.1	269.1	270.5	273.3	277.5	280.3	283.9	292.3	302.2	312.8	322.6
167.5°	270.5	270.5	271.2	272.6	275.4	276.8	278.2	283.9	290.2	298.0	305.7
170°	271.9	271.2	271.2	272.6	273.3	274.0	274.7	277.5	280.3	285.3	289.5
172.5°	271.9	271.2	271.2	271.9	271.9	271.9	271.9	272.6	273.3	276.1	277.5
175°	271.9	271.2	271.2	271.2	271.2	270.5	270.5	270.5	270.5	270.5	271.2
177.5°	271.9	271.2	270.5	270.5	269.8	269.8	269.1	269.1	268.4	268.4	268.4
180°	267.0	267.0	267.0	267.0	267.0	267.0	267.0	267.0	267.0	267.0	267.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6	198.6
2.5°	199.3	199.3	198.6	198.6	197.9	197.9	197.2	196.5	195.8	195.8
5°	200.0	199.3	198.6	198.6	198.6	197.9	197.9	197.9	197.2	197.2
7.5°	200.0	200.0	200.0	199.3	199.3	199.3	199.3	199.3	198.6	198.6
10°	200.8	200.8	200.8	200.8	200.8	200.8	200.8	200.0	200.0	200.0
12.5°	200.8	200.8	200.8	201.5	201.5	201.5	201.5	201.5	201.5	201.5
15°	201.5	201.5	202.2	202.2	202.9	202.9	203.6	203.6	203.6	202.9
17.5°	200.8	201.5	202.2	202.9	203.6	203.6	204.3	204.3	204.3	204.3
20°	200.8	202.2	202.9	203.6	204.3	204.3	205.0	205.7	205.7	205.0
22.5°	200.0	201.5	202.2	203.6	204.3	204.3	205.7	205.7	205.7	205.7
25°	199.3	200.8	202.2	203.6	204.3	204.3	205.7	205.7	206.4	206.4
27.5°	197.9	199.3	201.5	202.9	203.6	204.3	205.0	205.7	205.7	205.7
30°	195.8	197.9	200.0	201.5	202.2	202.9	203.6	204.3	205.0	205.0
32.5°	193.0	195.1	197.2	199.3	200.0	200.8	202.2	202.9	202.9	202.9
35°	190.2	192.3	194.4	196.5	197.2	197.9	199.3	200.0	200.8	200.8
37.5°	186.0	188.1	190.2	192.3	193.0	194.4	195.8	196.5	196.5	196.5
40°	179.6	183.1	186.0	188.1	188.8	190.2	190.9	192.3	192.3	192.3
42.5°	174.0	176.8	178.9	181.7	182.4	184.6	186.0	186.7	187.4	187.4
45°	167.6	170.5	172.6	174.7	175.4	176.8	178.2	178.9	179.6	180.3
47.5°	161.3	163.4	165.5	167.6	168.4	169.8	171.2	171.9	172.6	172.6
50°	153.6	155.7	157.8	159.9	160.6	162.0	162.7	163.4	164.1	164.1
52.5°	145.1	147.2	149.3	151.4	152.1	152.9	154.3	155.0	155.7	155.7
55°	136.7	138.8	140.2	142.3	143.0	143.7	144.4	145.8	146.5	145.8
57.5°	126.8	128.9	130.3	132.4	133.1	133.8	134.5	135.2	135.9	135.9
60°	116.2	118.3	120.5	121.9	122.6	123.3	124.0	124.7	125.4	125.4
62.5°	105.7	107.8	109.2	111.3	112.0	112.0	112.7	113.4	114.1	114.1
65°	95.1	97.2	97.9	100.0	100.0	100.7	101.4	102.1	102.1	102.1
67.5°	83.8	85.9	86.6	88.0	88.0	88.8	89.5	90.2	90.2	90.2
70°	73.3	74.0	75.4	76.1	76.8	76.8	77.5	78.2	78.9	78.2
72.5°	62.0	62.7	64.1	64.8	64.8	65.5	65.5	66.2	66.9	66.9
75°	50.7	52.1	52.8	53.5	54.2	54.2	54.9	55.6	55.6	55.6
77.5°	40.2	41.6	42.3	43.0	43.7	43.7	44.4	44.4	45.1	44.4
80°	31.0	31.7	32.4	33.1	33.8	33.8	34.5	35.2	35.2	35.2
82.5°	22.5	23.2	24.7	25.4	25.4	25.4	26.8	26.8	27.5	26.8
85°	15.5	16.2	17.6	18.3	19.0	19.0	19.0	19.7	20.4	19.7
87.5°	9.9	11.3	12.0	12.7	12.7	12.7	13.4	14.1	14.1	14.1
90°	5.6	5.6	6.3	7.0	7.0	7.7	7.7	8.5	8.5	8.5
92.5°	5.6	6.3	6.3	6.3	7.0	7.0	7.0	7.7	7.7	7.7
95°	47.9	34.5	19.7	15.5	13.4	13.4	12.7	13.4	12.7	12.7
97.5°	145.1	157.1	162.7	170.5	174.7	174.0	171.2	174.0	171.9	174.0
100°	206.4	217.7	226.1	228.2	232.5	234.6	242.3	247.9	250.8	254.3
102.5°	256.4	269.8	279.6	285.3	289.5	292.3	301.5	309.9	314.2	317.0
105°	302.2	316.3	328.2	333.9	338.8	341.6	351.5	361.4	367.7	371.2
107.5°	338.8	355.0	367.7	376.1	381.1	386.0	398.0	407.8	415.6	419.1
110°	371.9	388.1	401.5	411.4	417.0	421.9	435.3	446.6	455.0	459.3



TEST NUMBER: P395379

CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	399.4	417.0	430.4	441.0	446.6	453.6	466.3	479.0	487.4	492.4
115°	421.9	440.2	454.3	465.6	471.9	478.3	493.1	505.8	514.2	517.7
117.5°	441.0	459.3	474.1	485.3	492.4	499.4	514.2	525.5	534.6	537.5
120°	456.4	474.8	489.6	502.2	509.3	515.6	529.7	541.7	550.1	552.2
122.5°	467.0	486.0	501.5	515.6	522.0	528.3	541.7	553.7	561.4	563.5
125°	474.8	494.5	510.0	524.8	531.1	537.5	550.1	562.1	568.4	571.3
127.5°	479.7	499.4	516.3	530.4	537.5	543.1	555.8	566.3	572.7	574.8
130°	481.1	501.5	518.4	533.2	539.6	545.2	557.2	567.7	573.4	574.8
132.5°	481.1	500.8	518.4	532.5	538.9	544.5	555.8	565.6	571.3	572.7
135°	478.3	497.3	514.9	529.0	535.3	541.0	552.2	560.7	566.3	567.0
137.5°	473.4	491.7	508.6	522.7	529.0	534.6	544.5	553.7	558.6	560.0
140°	467.0	483.9	500.8	514.2	520.5	525.5	535.3	543.1	548.0	549.4
142.5°	458.6	475.5	491.0	504.3	509.3	514.9	523.4	531.1	535.3	536.7
145°	449.4	465.6	479.7	491.7	497.3	502.2	510.0	517.0	521.3	522.7
147.5°	437.4	453.6	467.0	478.3	483.2	488.1	495.2	501.5	505.8	507.2
150°	422.6	437.4	451.5	462.1	467.0	471.9	479.0	484.6	488.9	489.6
152.5°	407.8	421.9	433.9	444.5	449.4	454.3	460.7	466.3	471.2	471.2
155°	393.8	405.7	417.0	426.2	430.4	434.6	441.0	445.9	450.1	450.1
157.5°	379.0	390.2	399.4	407.8	411.4	414.9	420.5	424.8	428.3	427.6
160°	364.9	373.3	381.8	388.8	392.3	395.2	399.4	402.9	406.4	405.7
162.5°	349.4	357.1	364.2	369.1	371.9	374.0	378.3	381.8	383.9	383.9
165°	331.8	338.8	345.2	350.1	352.9	354.3	357.8	359.9	362.1	362.1
167.5°	313.5	319.1	324.7	329.0	331.8	333.2	336.7	338.1	340.9	340.2
170°	295.1	299.4	303.6	307.1	308.5	309.9	312.8	314.2	315.6	315.6
172.5°	280.3	281.8	283.9	286.7	286.7	287.4	288.8	289.5	290.2	290.2
175°	271.9	272.6	272.6	272.6	272.6	272.6	273.3	272.6	273.3	272.6
177.5°	268.4	268.4	267.7	267.7	267.0	267.7	267.0	266.3	266.3	265.6
180°	267.0	267.0	267.0	267.0	267.0	267.0	267.0	267.0	267.0	267.0

(END OF REPORT)