

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: P395400

Luminaire Tested: **I3-CL-40L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395400  
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-40L92765-1D-UNV-W2A-W-4 (3000K)  
Description: CORELITE I3, CLEAR TOP COVER  
4000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3013.6 lumens  
Efficiency: N/A  
Efficacy: 109.2 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

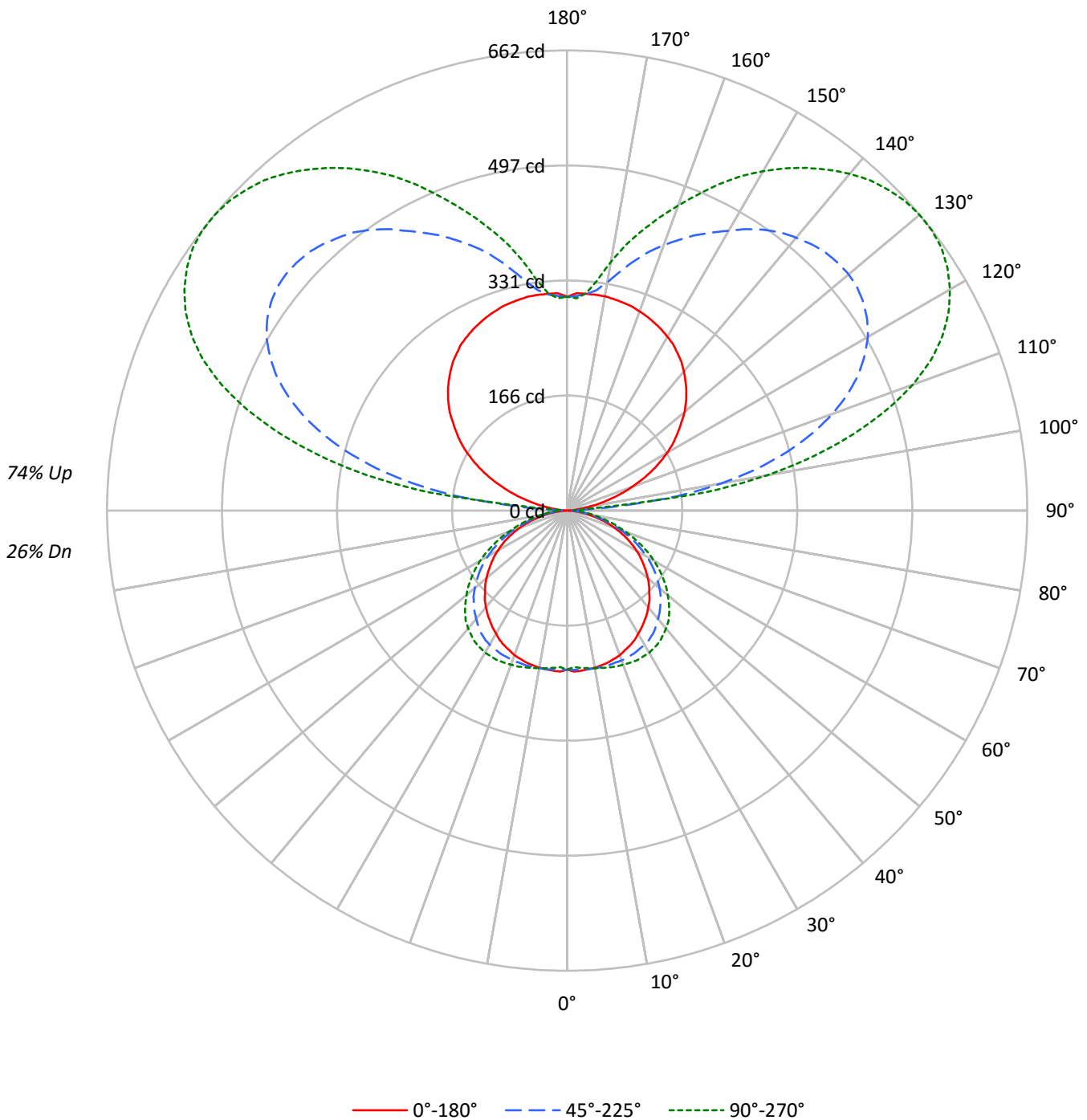
Input Watts (W): 27.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P395400

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (3000K)

### Luminous Intensity Polar Plot





TEST NUMBER: P395400

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (3000K)

**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°	1257	1257	1257
5°	1270	1237	1218
10°	1271	1228	1214
15°	1273	1223	1220
20°	1275	1224	1231
25°	1273	1225	1247
30°	1266	1227	1256
35°	1263	1220	1257
40°	1259	1194	1241
45°	1246	1166	1210
50°	1234	1127	1157
55°	1209	1070	1090
60°	1179	995	1006
65°	1131	894	892
70°	1050	761	755
75°	907	606	607
80°	704	430	444
85°	412	266	298



TEST NUMBER: P395400

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (3000K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.9	0.7
10°-20°	65.0	2.2
20°-30°	104.2	3.5
30°-40°	133.3	4.4
40°-50°	145.3	4.8
50°-60°	136.2	4.5
60°-70°	105.7	3.5
70°-80°	60.6	2.0
80°-90°	19.4	0.6
90°-100°	77.7	2.6
100°-110°	302.1	10.0
110°-120°	411.4	13.6
120°-130°	427.0	14.2
130°-140°	378.8	12.6
140°-150°	293.9	9.8
150°-160°	196.1	6.5
160°-170°	104.5	3.5
170°-180°	30.6	1.0
0°-30°	191.1	6.3
0°-40°	324.4	10.8
0°-60°	605.9	20.1
0°-90°	791.5	26.3
90°-120°	791.2	26.3
90°-150°	1890.9	62.7
90°-180°	2222.0	73.7
0°-180°	3013.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	229	229	229	229	229	
5°	231	229	230	229	227	22
15°	226	225	230	234	234	64
25°	214	216	227	235	238	99
35°	194	198	216	227	231	121
45°	167	174	190	202	208	129
55°	134	141	154	165	168	120
65°	95	99	108	115	118	94
75°	50	52	57	62	64	53
85°	10	11	17	22	23	12
90°	1	2	6	8	10	1
95°	10	55	75	15	15	13
105°	64	194	328	390	427	68
115°	134	299	462	543	596	132
125°	194	353	521	612	658	173
135°	242	371	526	616	653	187
145°	276	371	493	572	602	173
155°	298	351	437	496	518	137
165°	310	323	371	406	417	88
175°	313	311	312	314	314	30
180°	307	307	307	307	307	



TEST NUMBER: P395400

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	228.7	228.7	228.7	228.7	228.7	228.7	228.7	228.7	228.7	228.7	228.7
2.5°	231.9	231.1	231.1	229.5	229.5	228.7	228.7	228.7	228.7	228.7	229.5
5°	231.1	231.1	230.3	229.5	229.5	228.7	228.7	228.7	228.7	228.7	229.5
7.5°	230.3	230.3	229.5	228.7	228.7	228.7	228.7	228.7	228.7	228.7	230.3
10°	229.5	229.5	228.7	227.9	227.9	227.9	227.9	228.7	228.7	228.7	230.3
12.5°	227.9	227.1	227.1	226.3	226.3	226.3	227.1	227.1	227.9	228.7	230.3
15°	226.3	226.3	225.4	224.6	225.4	225.4	225.4	226.3	227.1	227.9	230.3
17.5°	223.8	223.8	223.0	223.0	223.0	223.8	223.8	224.6	226.3	227.9	229.5
20°	221.4	220.6	220.6	220.6	221.4	221.4	222.2	223.8	224.6	227.1	229.5
22.5°	217.3	218.1	217.3	217.3	218.1	219.0	219.8	221.4	223.0	225.4	227.9
25°	214.1	214.1	214.1	214.1	215.7	215.7	217.3	219.0	221.4	223.8	227.1
27.5°	210.0	210.0	210.0	210.8	211.7	212.5	213.3	215.7	218.1	221.4	224.6
30°	204.4	204.4	204.4	204.4	206.8	207.6	209.2	212.5	214.9	219.0	223.0
32.5°	199.5	199.5	199.5	200.3	201.9	202.7	204.4	208.4	211.7	215.7	219.8
35°	193.8	193.8	194.6	194.6	197.1	197.9	199.5	202.7	206.0	210.8	215.7
37.5°	188.1	188.1	189.0	189.8	191.4	193.0	194.6	197.9	201.1	205.2	210.0
40°	181.7	181.7	182.5	183.3	185.7	187.3	189.0	192.2	195.4	199.5	203.5
42.5°	175.2	175.2	176.0	176.8	179.2	180.8	182.5	186.5	189.8	193.8	197.1
45°	167.1	167.9	168.7	170.3	172.7	174.4	176.0	179.2	183.3	186.5	189.8
47.5°	159.8	160.6	161.4	163.0	165.4	167.1	168.7	171.9	175.2	178.4	182.5
50°	151.6	152.5	153.3	154.9	157.3	158.9	160.6	163.8	167.1	169.5	173.5
52.5°	142.7	143.5	144.3	146.0	149.2	150.0	151.6	154.9	157.3	160.6	163.8
55°	133.8	134.6	135.4	137.1	139.5	141.1	141.9	145.2	147.6	150.8	154.1
57.5°	124.9	125.7	126.5	128.1	129.8	131.4	132.2	134.6	137.9	140.3	143.5
60°	115.2	116.0	116.8	117.6	120.0	120.8	121.6	124.1	126.5	129.8	132.2
62.5°	105.4	105.4	106.2	107.0	109.5	110.3	111.1	112.7	116.0	117.6	120.0
65°	94.9	94.9	95.7	96.5	98.1	98.9	99.7	101.4	103.8	105.4	107.9
67.5°	83.5	83.5	84.3	85.2	86.8	87.6	87.6	90.0	91.6	93.3	94.9
70°	73.0	73.0	73.8	73.8	74.6	75.4	76.2	77.9	78.7	81.1	81.9
72.5°	61.6	61.6	61.6	61.6	63.3	63.3	64.1	65.7	66.5	68.1	69.7
75°	49.5	49.5	50.3	50.3	51.1	51.9	52.7	53.5	55.1	56.0	56.8
77.5°	38.9	38.1	38.9	39.7	40.5	40.5	41.4	42.2	43.0	44.6	45.4
80°	27.6	27.6	27.6	28.4	29.2	29.2	30.0	30.8	31.6	33.2	34.1
82.5°	17.8	17.8	18.7	18.7	19.5	20.3	20.3	21.1	21.9	23.5	24.3
85°	9.7	9.7	9.7	10.5	11.4	11.4	12.2	13.0	14.6	15.4	17.0
87.5°	3.2	3.2	4.1	4.9	5.7	5.7	6.5	7.3	8.1	9.7	10.5
90°	0.8	0.8	0.8	1.6	1.6	2.4	2.4	3.2	4.1	4.9	5.7
92.5°	3.2	5.7	8.9	13.0	12.2	13.0	8.9	5.7	5.7	5.7	6.5
95°	9.7	14.6	23.5	37.3	48.7	55.1	60.8	66.5	77.9	78.7	75.4
97.5°	19.5	26.8	43.0	60.8	81.1	91.6	99.7	116.8	134.6	146.0	159.8
100°	32.4	43.0	64.1	88.4	111.9	125.7	138.7	163.0	184.9	204.4	225.4
102.5°	47.8	60.0	86.0	116.0	145.2	160.6	174.4	202.7	232.7	258.7	281.4
105°	64.1	77.9	108.7	142.7	176.0	193.8	210.8	241.7	273.3	301.7	328.4
107.5°	81.9	96.5	129.8	167.9	205.2	225.4	244.1	277.3	310.6	341.4	369.8
110°	98.9	115.2	150.0	191.4	233.6	253.8	272.5	309.0	343.8	376.3	406.3



TEST NUMBER: P395400

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	116.8	133.8	168.7	214.1	257.1	278.2	297.6	336.5	373.0	406.3	436.3
115°	133.8	150.0	186.5	233.6	277.3	299.2	320.3	360.1	398.2	431.4	462.2
117.5°	150.0	165.4	202.7	249.8	295.2	317.1	338.2	379.5	417.6	452.5	482.5
120°	166.2	180.0	220.6	263.6	309.8	331.7	353.6	394.9	433.9	468.7	499.5
122.5°	180.8	193.8	233.6	275.7	321.1	343.8	364.9	407.1	446.8	481.7	511.7
125°	193.8	206.0	245.7	285.5	330.9	352.8	374.7	416.0	455.8	489.8	520.6
127.5°	206.8	219.0	254.6	295.2	337.4	360.1	381.1	422.5	461.4	496.3	526.3
130°	220.6	229.5	263.6	304.1	343.8	364.9	386.8	426.6	464.7	498.7	528.7
132.5°	231.9	240.0	272.5	311.4	348.7	369.0	388.4	428.2	466.3	498.7	527.9
135°	242.5	249.0	279.0	317.9	352.8	371.4	390.1	427.4	464.7	497.1	525.5
137.5°	252.2	258.7	284.6	322.8	356.0	372.2	390.1	424.9	460.6	493.1	519.8
140°	261.1	266.0	289.5	325.2	357.6	373.0	388.4	420.9	454.1	485.8	512.5
142.5°	270.0	274.1	293.6	326.8	358.4	373.0	387.6	416.0	446.8	477.7	504.4
145°	276.5	280.6	296.8	327.6	357.6	371.4	384.4	411.2	438.7	467.1	493.1
147.5°	283.8	287.1	300.1	326.0	355.2	368.2	380.3	404.7	429.8	455.8	480.1
150°	288.7	291.9	301.7	324.4	351.1	363.3	375.5	398.2	420.9	443.6	464.7
152.5°	293.6	296.0	304.1	321.9	346.3	357.6	369.0	390.9	412.0	432.2	450.9
155°	297.6	300.1	305.7	320.3	340.6	351.1	361.7	382.8	402.2	420.1	437.1
157.5°	301.7	303.3	307.4	317.9	334.1	343.8	353.6	372.2	390.1	407.9	421.7
160°	304.9	305.7	309.0	317.1	328.4	335.7	344.7	361.7	377.9	393.3	406.3
162.5°	308.2	308.2	310.6	315.5	323.6	328.4	334.9	349.5	364.1	377.9	390.1
165°	309.8	309.8	311.4	314.7	319.5	322.8	326.8	336.5	347.9	360.1	371.4
167.5°	311.4	311.4	312.2	313.8	317.1	318.7	320.3	326.8	334.1	343.0	352.0
170°	313.0	312.2	312.2	313.8	314.7	315.5	316.3	319.5	322.8	328.4	333.3
172.5°	313.0	312.2	312.2	313.0	313.0	313.0	313.0	313.8	314.7	317.9	319.5
175°	313.0	312.2	312.2	312.2	312.2	311.4	311.4	311.4	311.4	311.4	312.2
177.5°	313.0	312.2	311.4	311.4	310.6	310.6	309.8	309.8	309.0	309.0	309.0
180°	307.4	307.4	307.4	307.4	307.4	307.4	307.4	307.4	307.4	307.4	307.4



TEST NUMBER: P395400

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	228.7	228.7	228.7	228.7	228.7	228.7	228.7	228.7	228.7	228.7
2.5°	229.5	229.5	228.7	228.7	227.9	227.9	227.1	226.3	225.4	225.4
5°	230.3	229.5	228.7	228.7	228.7	227.9	227.9	227.9	227.1	227.1
7.5°	230.3	230.3	230.3	229.5	229.5	229.5	229.5	229.5	228.7	228.7
10°	231.1	231.1	231.1	231.1	231.1	231.1	231.1	230.3	230.3	230.3
12.5°	231.1	231.1	231.1	231.9	231.9	231.9	231.9	231.9	231.9	231.9
15°	231.9	231.9	232.7	232.7	233.6	233.6	234.4	234.4	234.4	233.6
17.5°	231.1	231.9	232.7	233.6	234.4	234.4	235.2	235.2	235.2	235.2
20°	231.1	232.7	233.6	234.4	235.2	235.2	236.0	236.8	236.8	236.0
22.5°	230.3	231.9	232.7	234.4	235.2	235.2	236.8	236.8	236.8	236.8
25°	229.5	231.1	232.7	234.4	235.2	235.2	236.8	236.8	237.6	237.6
27.5°	227.9	229.5	231.9	233.6	234.4	235.2	236.0	236.8	236.8	236.8
30°	225.4	227.9	230.3	231.9	232.7	233.6	234.4	235.2	236.0	236.0
32.5°	222.2	224.6	227.1	229.5	230.3	231.1	232.7	233.6	233.6	233.6
35°	219.0	221.4	223.8	226.3	227.1	227.9	229.5	230.3	231.1	231.1
37.5°	214.1	216.5	219.0	221.4	222.2	223.8	225.4	226.3	226.3	226.3
40°	206.8	210.8	214.1	216.5	217.3	219.0	219.8	221.4	221.4	221.4
42.5°	200.3	203.5	206.0	209.2	210.0	212.5	214.1	214.9	215.7	215.7
45°	193.0	196.3	198.7	201.1	201.9	203.5	205.2	206.0	206.8	207.6
47.5°	185.7	188.1	190.6	193.0	193.8	195.4	197.1	197.9	198.7	198.7
50°	176.8	179.2	181.7	184.1	184.9	186.5	187.3	188.1	189.0	189.0
52.5°	167.1	169.5	171.9	174.4	175.2	176.0	177.6	178.4	179.2	179.2
55°	157.3	159.8	161.4	163.8	164.6	165.4	166.2	167.9	168.7	167.9
57.5°	146.0	148.4	150.0	152.5	153.3	154.1	154.9	155.7	156.5	156.5
60°	133.8	136.2	138.7	140.3	141.1	141.9	142.7	143.5	144.3	144.3
62.5°	121.6	124.1	125.7	128.1	128.9	128.9	129.8	130.6	131.4	131.4
65°	109.5	111.9	112.7	115.2	115.2	116.0	116.8	117.6	117.6	117.6
67.5°	96.5	98.9	99.7	101.4	101.4	102.2	103.0	103.8	103.8	103.8
70°	84.3	85.2	86.8	87.6	88.4	88.4	89.2	90.0	90.8	90.0
72.5°	71.4	72.2	73.8	74.6	74.6	75.4	75.4	76.2	77.0	77.0
75°	58.4	60.0	60.8	61.6	62.4	62.4	63.3	64.1	64.1	64.1
77.5°	46.2	47.8	48.7	49.5	50.3	50.3	51.1	51.1	51.9	51.1
80°	35.7	36.5	37.3	38.1	38.9	38.9	39.7	40.5	40.5	40.5
82.5°	26.0	26.8	28.4	29.2	29.2	29.2	30.8	30.8	31.6	30.8
85°	17.8	18.7	20.3	21.1	21.9	21.9	21.9	22.7	23.5	22.7
87.5°	11.4	13.0	13.8	14.6	14.6	14.6	15.4	16.2	16.2	16.2
90°	6.5	6.5	7.3	8.1	8.1	8.9	8.9	9.7	9.7	9.7
92.5°	6.5	7.3	7.3	7.3	8.1	8.1	8.1	8.9	8.9	8.9
95°	55.1	39.7	22.7	17.8	15.4	15.4	14.6	15.4	14.6	14.6
97.5°	167.1	180.8	187.3	196.3	201.1	200.3	197.1	200.3	197.9	200.3
100°	237.6	250.6	260.3	262.7	267.6	270.0	279.0	285.5	288.7	292.8
102.5°	295.2	310.6	321.9	328.4	333.3	336.5	347.1	356.8	361.7	364.9
105°	347.9	364.1	377.9	384.4	390.1	393.3	404.7	416.0	423.3	427.4
107.5°	390.1	408.7	423.3	433.0	438.7	444.4	458.2	469.5	478.5	482.5
110°	428.2	446.8	462.2	473.6	480.1	485.8	501.2	514.1	523.9	528.7





TEST NUMBER: P395400

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	459.8	480.1	495.5	507.7	514.1	522.3	536.9	551.4	561.2	566.9
115°	485.8	506.8	523.1	536.0	543.3	550.6	567.7	582.3	592.0	596.1
117.5°	507.7	528.7	545.8	558.7	566.9	575.0	592.0	605.0	615.5	618.8
120°	525.5	546.6	563.6	578.2	586.3	593.6	609.8	623.6	633.4	635.8
122.5°	537.7	559.6	577.4	593.6	600.9	608.2	623.6	637.4	646.3	648.8
125°	546.6	569.3	587.1	604.2	611.5	618.8	633.4	647.1	654.4	657.7
127.5°	552.3	575.0	594.4	610.6	618.8	625.2	639.8	652.0	659.3	661.7
130°	553.9	577.4	596.9	613.9	621.2	627.7	641.5	653.6	660.1	661.7
132.5°	553.9	576.6	596.9	613.1	620.4	626.9	639.8	651.2	657.7	659.3
135°	550.6	572.5	592.8	609.0	616.3	622.8	635.8	645.5	652.0	652.8
137.5°	545.0	566.0	585.5	601.7	609.0	615.5	626.9	637.4	643.1	644.7
140°	537.7	557.1	576.6	592.0	599.3	605.0	616.3	625.2	630.9	632.5
142.5°	527.9	547.4	565.2	580.6	586.3	592.8	602.5	611.5	616.3	617.9
145°	517.4	536.0	552.3	566.0	572.5	578.2	587.1	595.2	600.1	601.7
147.5°	503.6	522.3	537.7	550.6	556.3	562.0	570.1	577.4	582.3	583.9
150°	486.6	503.6	519.8	532.0	537.7	543.3	551.4	557.9	562.8	563.6
152.5°	469.5	485.8	499.5	511.7	517.4	523.1	530.4	536.9	542.5	542.5
155°	453.3	467.1	480.1	490.6	495.5	500.4	507.7	513.3	518.2	518.2
157.5°	436.3	449.3	459.8	469.5	473.6	477.7	484.1	489.0	493.1	492.2
160°	420.1	429.8	439.5	447.6	451.7	454.9	459.8	463.9	467.9	467.1
162.5°	402.2	411.2	419.3	424.9	428.2	430.6	435.5	439.5	442.0	442.0
165°	382.0	390.1	397.4	403.0	406.3	407.9	412.0	414.4	416.8	416.8
167.5°	360.9	367.4	373.8	378.7	382.0	383.6	387.6	389.3	392.5	391.7
170°	339.8	344.7	349.5	353.6	355.2	356.8	360.1	361.7	363.3	363.3
172.5°	322.8	324.4	326.8	330.1	330.1	330.9	332.5	333.3	334.1	334.1
175°	313.0	313.8	313.8	313.8	313.8	313.8	314.7	313.8	314.7	313.8
177.5°	309.0	309.0	308.2	308.2	307.4	308.2	307.4	306.5	306.5	305.7
180°	307.4	307.4	307.4	307.4	307.4	307.4	307.4	307.4	307.4	307.4

(END OF REPORT)