

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: P395401

Luminaire Tested: **I3-CL-40L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395401  
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 (3500K)  
Description: CORELITE I3, CLEAR TOP COVER  
4000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3165.2 lumens  
Efficiency: N/A  
Efficacy: 113.0 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

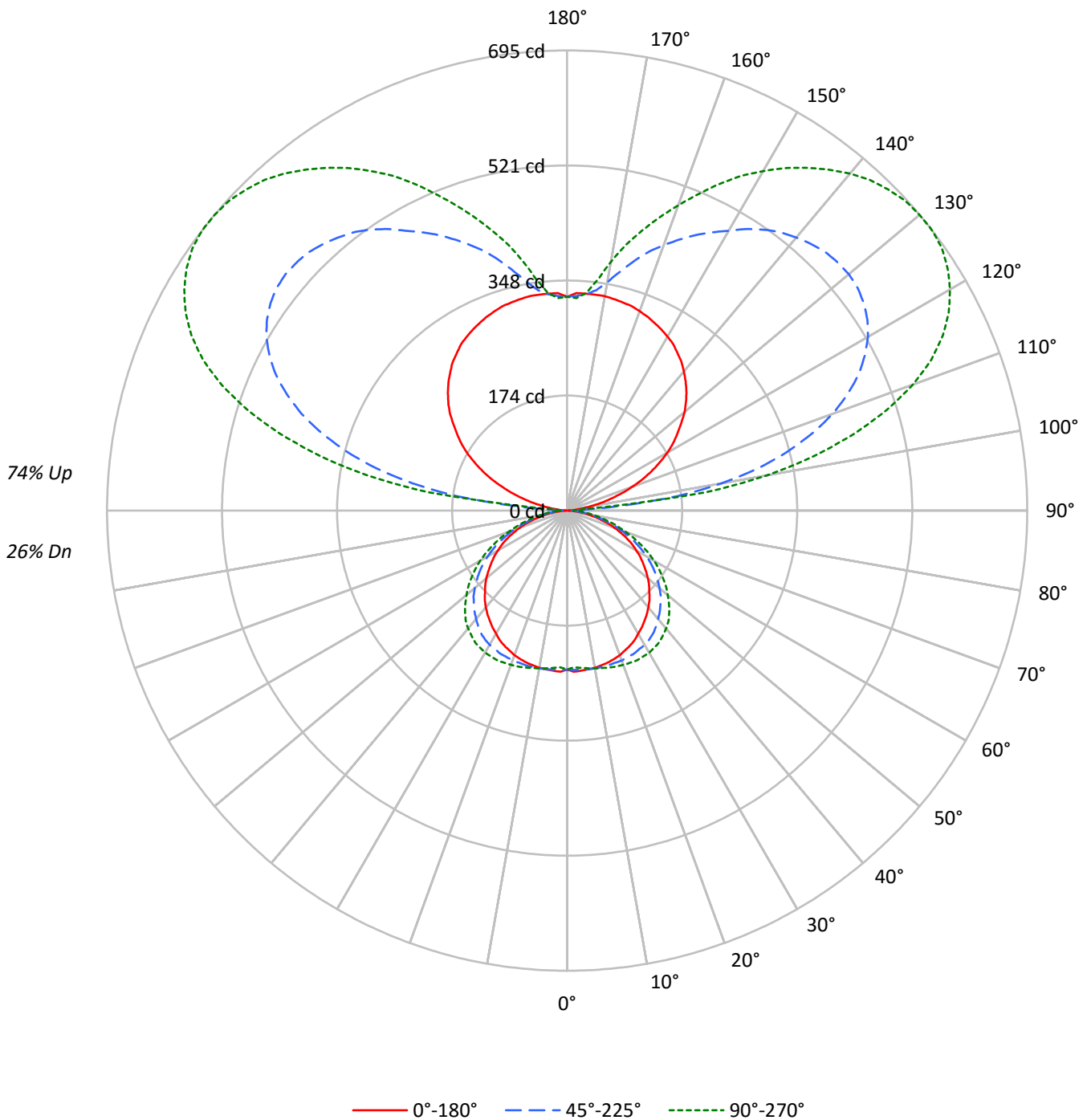
Input Watts (W): 28  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (3500K)

### 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°	1320	1320	1320
5°	1334	1299	1279
10°	1335	1290	1275
15°	1337	1285	1281
20°	1339	1285	1293
25°	1337	1287	1310
30°	1329	1289	1319
35°	1327	1282	1320
40°	1322	1254	1304
45°	1309	1224	1271
50°	1296	1184	1215
55°	1269	1124	1145
60°	1238	1045	1057
65°	1188	939	937
70°	1104	799	793
75°	953	635	637
80°	739	452	467
85°	433	280	312



TEST NUMBER: P395401

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (3500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.0	0.7
10°-20°	68.3	2.2
20°-30°	109.5	3.5
30°-40°	140.0	4.4
40°-50°	152.7	4.8
50°-60°	143.0	4.5
60°-70°	111.0	3.5
70°-80°	63.6	2.0
80°-90°	20.3	0.6
90°-100°	81.6	2.6
100°-110°	317.3	10.0
110°-120°	432.1	13.6
120°-130°	448.5	14.2
130°-140°	397.8	12.6
140°-150°	308.7	9.8
150°-160°	206.0	6.5
160°-170°	109.8	3.5
170°-180°	32.1	1.0
0°-30°	200.7	6.3
0°-40°	340.7	10.8
0°-60°	636.4	20.1
0°-90°	831.3	26.3
90°-120°	831.0	26.3
90°-150°	1986.0	62.7
90°-180°	2334.0	73.7
0°-180°	3165.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	240	240	240	240	240	
5°	243	240	241	240	238	23
15°	238	237	242	245	245	67
25°	225	227	238	247	250	104
35°	204	208	227	238	243	127
45°	176	183	199	212	218	136
55°	140	148	162	173	176	126
65°	100	104	113	121	124	98
75°	52	54	60	66	67	55
85°	10	12	18	23	24	12
90°	1	3	6	8	10	1
95°	10	58	79	16	15	13
105°	67	204	345	410	449	72
115°	140	314	486	571	626	139
125°	204	370	547	642	691	182
135°	255	390	552	647	686	196
145°	290	390	518	601	632	182
155°	313	369	459	520	544	144
165°	325	339	390	427	438	92
175°	329	327	328	330	330	31
180°	323	323	323	323	323	



TEST NUMBER: P395401

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	240.2	240.2	240.2	240.2	240.2	240.2	240.2	240.2	240.2	240.2	240.2
2.5°	243.6	242.7	242.7	241.0	241.0	240.2	240.2	240.2	240.2	240.2	241.0
5°	242.7	242.7	241.9	241.0	241.0	240.2	240.2	240.2	240.2	240.2	241.0
7.5°	241.9	241.9	241.0	240.2	240.2	240.2	240.2	240.2	240.2	240.2	241.9
10°	241.0	241.0	240.2	239.3	239.3	239.3	239.3	240.2	240.2	240.2	241.9
12.5°	239.3	238.5	238.5	237.6	237.6	237.6	238.5	238.5	239.3	240.2	241.9
15°	237.6	237.6	236.8	235.9	236.8	236.8	236.8	237.6	238.5	239.3	241.9
17.5°	235.1	235.1	234.2	234.2	234.2	235.1	235.1	235.9	237.6	239.3	241.0
20°	232.5	231.7	231.7	231.7	232.5	232.5	233.4	235.1	235.9	238.5	241.0
22.5°	228.3	229.1	228.3	228.3	229.1	230.0	230.8	232.5	234.2	236.8	239.3
25°	224.9	224.9	224.9	224.9	226.6	226.6	228.3	230.0	232.5	235.1	238.5
27.5°	220.6	220.6	220.6	221.5	222.3	223.2	224.0	226.6	229.1	232.5	235.9
30°	214.6	214.6	214.6	214.6	217.2	218.0	219.8	223.2	225.7	230.0	234.2
32.5°	209.5	209.5	209.5	210.4	212.1	212.9	214.6	218.9	222.3	226.6	230.8
35°	203.6	203.6	204.4	204.4	207.0	207.8	209.5	212.9	216.3	221.5	226.6
37.5°	197.6	197.6	198.5	199.3	201.0	202.7	204.4	207.8	211.2	215.5	220.6
40°	190.8	190.8	191.6	192.5	195.1	196.8	198.5	201.9	205.3	209.5	213.8
42.5°	184.0	184.0	184.8	185.7	188.2	189.9	191.6	195.9	199.3	203.6	207.0
45°	175.5	176.3	177.2	178.9	181.4	183.1	184.8	188.2	192.5	195.9	199.3
47.5°	167.8	168.6	169.5	171.2	173.8	175.5	177.2	180.6	184.0	187.4	191.6
50°	159.3	160.1	161.0	162.7	165.2	166.9	168.6	172.1	175.5	178.0	182.3
52.5°	149.9	150.8	151.6	153.3	156.7	157.6	159.3	162.7	165.2	168.6	172.1
55°	140.5	141.4	142.2	143.9	146.5	148.2	149.1	152.5	155.0	158.4	161.8
57.5°	131.2	132.0	132.9	134.6	136.3	138.0	138.8	141.4	144.8	147.4	150.8
60°	120.9	121.8	122.7	123.5	126.1	126.9	127.8	130.3	132.9	136.3	138.8
62.5°	110.7	110.7	111.6	112.4	115.0	115.8	116.7	118.4	121.8	123.5	126.1
65°	99.7	99.7	100.5	101.4	103.1	103.9	104.8	106.5	109.0	110.7	113.3
67.5°	87.7	87.7	88.6	89.4	91.1	92.0	92.0	94.5	96.2	98.0	99.7
70°	76.7	76.7	77.5	77.5	78.4	79.2	80.1	81.8	82.6	85.2	86.0
72.5°	64.7	64.7	64.7	64.7	66.4	66.4	67.3	69.0	69.8	71.5	73.3
75°	52.0	52.0	52.8	52.8	53.7	54.5	55.4	56.2	57.9	58.8	59.6
77.5°	40.9	40.0	40.9	41.7	42.6	42.6	43.4	44.3	45.1	46.8	47.7
80°	29.0	29.0	29.0	29.8	30.7	30.7	31.5	32.4	33.2	34.9	35.8
82.5°	18.7	18.7	19.6	19.6	20.4	21.3	21.3	22.1	23.0	24.7	25.6
85°	10.2	10.2	10.2	11.1	11.9	11.9	12.8	13.6	15.3	16.2	17.9
87.5°	3.4	3.4	4.3	5.1	6.0	6.0	6.8	7.7	8.5	10.2	11.1
90°	0.9	0.9	0.9	1.7	1.7	2.6	2.6	3.4	4.3	5.1	6.0
92.5°	3.4	6.0	9.4	13.6	12.8	13.6	9.4	6.0	6.0	6.0	6.8
95°	10.2	15.3	24.7	39.2	51.1	57.9	63.9	69.8	81.8	82.6	79.2
97.5°	20.4	28.1	45.1	63.9	85.2	96.2	104.8	122.7	141.4	153.3	167.8
100°	34.1	45.1	67.3	92.8	117.5	132.0	145.6	171.2	194.2	214.6	236.8
102.5°	50.3	63.0	90.3	121.8	152.5	168.6	183.1	212.9	244.5	271.7	295.6
105°	67.3	81.8	114.1	149.9	184.8	203.6	221.5	253.8	287.0	316.9	345.0
107.5°	86.0	101.4	136.3	176.3	215.5	236.8	256.4	291.3	326.2	358.6	388.4
110°	103.9	120.9	157.6	201.0	245.3	266.6	286.2	324.5	361.1	395.2	426.7



TEST NUMBER: P395401

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	122.7	140.5	177.2	224.9	270.0	292.2	312.6	353.5	391.8	426.7	458.2
115°	140.5	157.6	195.9	245.3	291.3	314.3	336.4	378.2	418.2	453.1	485.5
117.5°	157.6	173.8	212.9	262.3	310.0	333.0	355.2	398.6	438.7	475.3	506.8
120°	174.6	189.1	231.7	276.8	325.4	348.4	371.4	414.8	455.7	492.3	524.7
122.5°	189.9	203.6	245.3	289.6	337.3	361.1	383.3	427.6	469.3	505.9	537.5
125°	203.6	216.3	258.1	299.8	347.5	370.5	393.5	436.9	478.7	514.5	546.8
127.5°	217.2	230.0	267.4	310.0	354.3	378.2	400.3	443.8	484.6	521.3	552.8
130°	231.7	241.0	276.8	319.4	361.1	383.3	406.3	448.0	488.1	523.8	555.3
132.5°	243.6	252.1	286.2	327.1	366.3	387.5	408.0	449.7	489.8	523.8	554.5
135°	254.7	261.5	293.0	333.9	370.5	390.1	409.7	448.9	488.1	522.1	551.9
137.5°	264.9	271.7	299.0	339.0	373.9	391.0	409.7	446.3	483.8	517.9	546.0
140°	274.3	279.4	304.1	341.6	375.6	391.8	408.0	442.1	477.0	510.2	538.3
142.5°	283.6	287.9	308.3	343.3	376.5	391.8	407.1	436.9	469.3	501.7	529.8
145°	290.4	294.7	311.7	344.1	375.6	390.1	403.7	431.8	460.8	490.6	517.9
147.5°	298.1	301.5	315.1	342.4	373.1	386.7	399.5	425.0	451.4	478.7	504.2
150°	303.2	306.6	316.9	340.7	368.8	381.6	394.4	418.2	442.1	465.9	488.1
152.5°	308.3	310.9	319.4	338.1	363.7	375.6	387.5	410.5	432.7	454.0	473.6
155°	312.6	315.1	321.1	336.4	357.7	368.8	379.9	402.0	422.5	441.2	459.1
157.5°	316.9	318.6	322.8	333.9	350.9	361.1	371.4	391.0	409.7	428.4	442.9
160°	320.3	321.1	324.5	333.0	345.0	352.6	362.0	379.9	396.9	413.1	426.7
162.5°	323.7	323.7	326.2	331.3	339.8	345.0	351.8	367.1	382.4	396.9	409.7
165°	325.4	325.4	327.1	330.5	335.6	339.0	343.3	353.5	365.4	378.2	390.1
167.5°	327.1	327.1	327.9	329.6	333.0	334.7	336.4	343.3	350.9	360.3	369.7
170°	328.8	327.9	327.9	329.6	330.5	331.3	332.2	335.6	339.0	345.0	350.1
172.5°	328.8	327.9	327.9	328.8	328.8	328.8	328.8	329.6	330.5	333.9	335.6
175°	328.8	327.9	327.9	327.9	327.9	327.1	327.1	327.1	327.1	327.1	327.9
177.5°	328.8	327.9	327.1	327.1	326.2	326.2	325.4	325.4	324.5	324.5	324.5
180°	322.8	322.8	322.8	322.8	322.8	322.8	322.8	322.8	322.8	322.8	322.8



TEST NUMBER: P395401

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	240.2	240.2	240.2	240.2	240.2	240.2	240.2	240.2	240.2	240.2
2.5°	241.0	241.0	240.2	240.2	239.3	239.3	238.5	237.6	236.8	236.8
5°	241.9	241.0	240.2	240.2	240.2	239.3	239.3	239.3	238.5	238.5
7.5°	241.9	241.9	241.9	241.0	241.0	241.0	241.0	241.0	240.2	240.2
10°	242.7	242.7	242.7	242.7	242.7	242.7	242.7	241.9	241.9	241.9
12.5°	242.7	242.7	242.7	243.6	243.6	243.6	243.6	243.6	243.6	243.6
15°	243.6	243.6	244.5	244.5	245.3	245.3	246.2	246.2	246.2	245.3
17.5°	242.7	243.6	244.5	245.3	246.2	246.2	247.0	247.0	247.0	247.0
20°	242.7	244.5	245.3	246.2	247.0	247.0	247.9	248.7	248.7	247.9
22.5°	241.9	243.6	244.5	246.2	247.0	247.0	248.7	248.7	248.7	248.7
25°	241.0	242.7	244.5	246.2	247.0	247.0	248.7	248.7	249.6	249.6
27.5°	239.3	241.0	243.6	245.3	246.2	247.0	247.9	248.7	248.7	248.7
30°	236.8	239.3	241.9	243.6	244.5	245.3	246.2	247.0	247.9	247.9
32.5°	233.4	235.9	238.5	241.0	241.9	242.7	244.5	245.3	245.3	245.3
35°	230.0	232.5	235.1	237.6	238.5	239.3	241.0	241.9	242.7	242.7
37.5°	224.9	227.4	230.0	232.5	233.4	235.1	236.8	237.6	237.6	237.6
40°	217.2	221.5	224.9	227.4	228.3	230.0	230.8	232.5	232.5	232.5
42.5°	210.4	213.8	216.3	219.8	220.6	223.2	224.9	225.7	226.6	226.6
45°	202.7	206.1	208.7	211.2	212.1	213.8	215.5	216.3	217.2	218.0
47.5°	195.1	197.6	200.2	202.7	203.6	205.3	207.0	207.8	208.7	208.7
50°	185.7	188.2	190.8	193.3	194.2	195.9	196.8	197.6	198.5	198.5
52.5°	175.5	178.0	180.6	183.1	184.0	184.8	186.5	187.4	188.2	188.2
55°	165.2	167.8	169.5	172.1	172.9	173.8	174.6	176.3	177.2	176.3
57.5°	153.3	155.9	157.6	160.1	161.0	161.8	162.7	163.5	164.4	164.4
60°	140.5	143.1	145.6	147.4	148.2	149.1	149.9	150.8	151.6	151.6
62.5°	127.8	130.3	132.0	134.6	135.4	135.4	136.3	137.1	138.0	138.0
65°	115.0	117.5	118.4	120.9	120.9	121.8	122.7	123.5	123.5	123.5
67.5°	101.4	103.9	104.8	106.5	106.5	107.3	108.2	109.0	109.0	109.0
70°	88.6	89.4	91.1	92.0	92.8	92.8	93.7	94.5	95.4	94.5
72.5°	75.0	75.8	77.5	78.4	78.4	79.2	79.2	80.1	80.9	80.9
75°	61.3	63.0	63.9	64.7	65.6	65.6	66.4	67.3	67.3	67.3
77.5°	48.5	50.3	51.1	52.0	52.8	52.8	53.7	53.7	54.5	53.7
80°	37.5	38.3	39.2	40.0	40.9	40.9	41.7	42.6	42.6	42.6
82.5°	27.3	28.1	29.8	30.7	30.7	30.7	32.4	32.4	33.2	32.4
85°	18.7	19.6	21.3	22.1	23.0	23.0	23.0	23.8	24.7	23.8
87.5°	11.9	13.6	14.5	15.3	15.3	15.3	16.2	17.0	17.0	17.0
90°	6.8	6.8	7.7	8.5	8.5	9.4	9.4	10.2	10.2	10.2
92.5°	6.8	7.7	7.7	7.7	8.5	8.5	8.5	9.4	9.4	9.4
95°	57.9	41.7	23.8	18.7	16.2	16.2	15.3	16.2	15.3	15.3
97.5°	175.5	189.9	196.8	206.1	211.2	210.4	207.0	210.4	207.8	210.4
100°	249.6	263.2	273.4	276.0	281.1	283.6	293.0	299.8	303.2	307.5
102.5°	310.0	326.2	338.1	345.0	350.1	353.5	364.5	374.8	379.9	383.3
105°	365.4	382.4	396.9	403.7	409.7	413.1	425.0	436.9	444.6	448.9
107.5°	409.7	429.3	444.6	454.8	460.8	466.8	481.2	493.2	502.5	506.8
110°	449.7	469.3	485.5	497.4	504.2	510.2	526.4	540.0	550.2	555.3





TEST NUMBER: P395401

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	482.9	504.2	520.4	533.2	540.0	548.5	563.9	579.2	589.4	595.4
115°	510.2	532.3	549.4	563.0	570.7	578.3	596.2	611.6	621.8	626.0
117.5°	533.2	555.3	573.2	586.9	595.4	603.9	621.8	635.4	646.5	649.9
120°	551.9	574.1	592.0	607.3	615.8	623.5	640.5	655.0	665.2	667.8
122.5°	564.7	587.7	606.4	623.5	631.1	638.8	655.0	669.5	678.8	681.4
125°	574.1	597.9	616.7	634.6	642.2	649.9	665.2	679.7	687.4	690.8
127.5°	580.0	603.9	624.3	641.4	649.9	656.7	672.0	684.8	692.5	695.0
130°	581.7	606.4	626.9	644.8	652.4	659.3	673.7	686.5	693.3	695.0
132.5°	581.7	605.6	626.9	643.9	651.6	658.4	672.0	684.0	690.8	692.5
135°	578.3	601.3	622.6	639.7	647.3	654.1	667.8	678.0	684.8	685.7
137.5°	572.4	594.5	615.0	632.0	639.7	646.5	658.4	669.5	675.4	677.1
140°	564.7	585.2	605.6	621.8	629.4	635.4	647.3	656.7	662.7	664.4
142.5°	554.5	574.9	593.7	609.9	615.8	622.6	632.9	642.2	647.3	649.0
145°	543.4	563.0	580.0	594.5	601.3	607.3	616.7	625.2	630.3	632.0
147.5°	528.9	548.5	564.7	578.3	584.3	590.3	598.8	606.4	611.6	613.3
150°	511.1	528.9	546.0	558.7	564.7	570.7	579.2	586.0	591.1	592.0
152.5°	493.2	510.2	524.7	537.5	543.4	549.4	557.0	563.9	569.8	569.8
155°	476.1	490.6	504.2	515.3	520.4	525.5	533.2	539.2	544.3	544.3
157.5°	458.2	471.9	482.9	493.2	497.4	501.7	508.5	513.6	517.9	517.0
160°	441.2	451.4	461.6	470.2	474.4	477.8	482.9	487.2	491.5	490.6
162.5°	422.5	431.8	440.4	446.3	449.7	452.3	457.4	461.6	464.2	464.2
165°	401.2	409.7	417.4	423.3	426.7	428.4	432.7	435.2	437.8	437.8
167.5°	379.0	385.8	392.7	397.8	401.2	402.9	407.1	408.8	412.2	411.4
170°	356.9	362.0	367.1	371.4	373.1	374.8	378.2	379.9	381.6	381.6
172.5°	339.0	340.7	343.3	346.7	346.7	347.5	349.2	350.1	350.9	350.9
175°	328.8	329.6	329.6	329.6	329.6	329.6	330.5	329.6	330.5	329.6
177.5°	324.5	324.5	323.7	323.7	322.8	323.7	322.8	322.0	322.0	321.1
180°	322.8	322.8	322.8	322.8	322.8	322.8	322.8	322.8	322.8	322.8

(END OF REPORT)