

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: P395399

Luminaire Tested: **I3-CL-40L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395399  
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 (2700K)  
Description: CORELITE I3, CLEAR TOP COVER  
4000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2899.0 lumens  
Efficiency: N/A  
Efficacy: 104.3 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

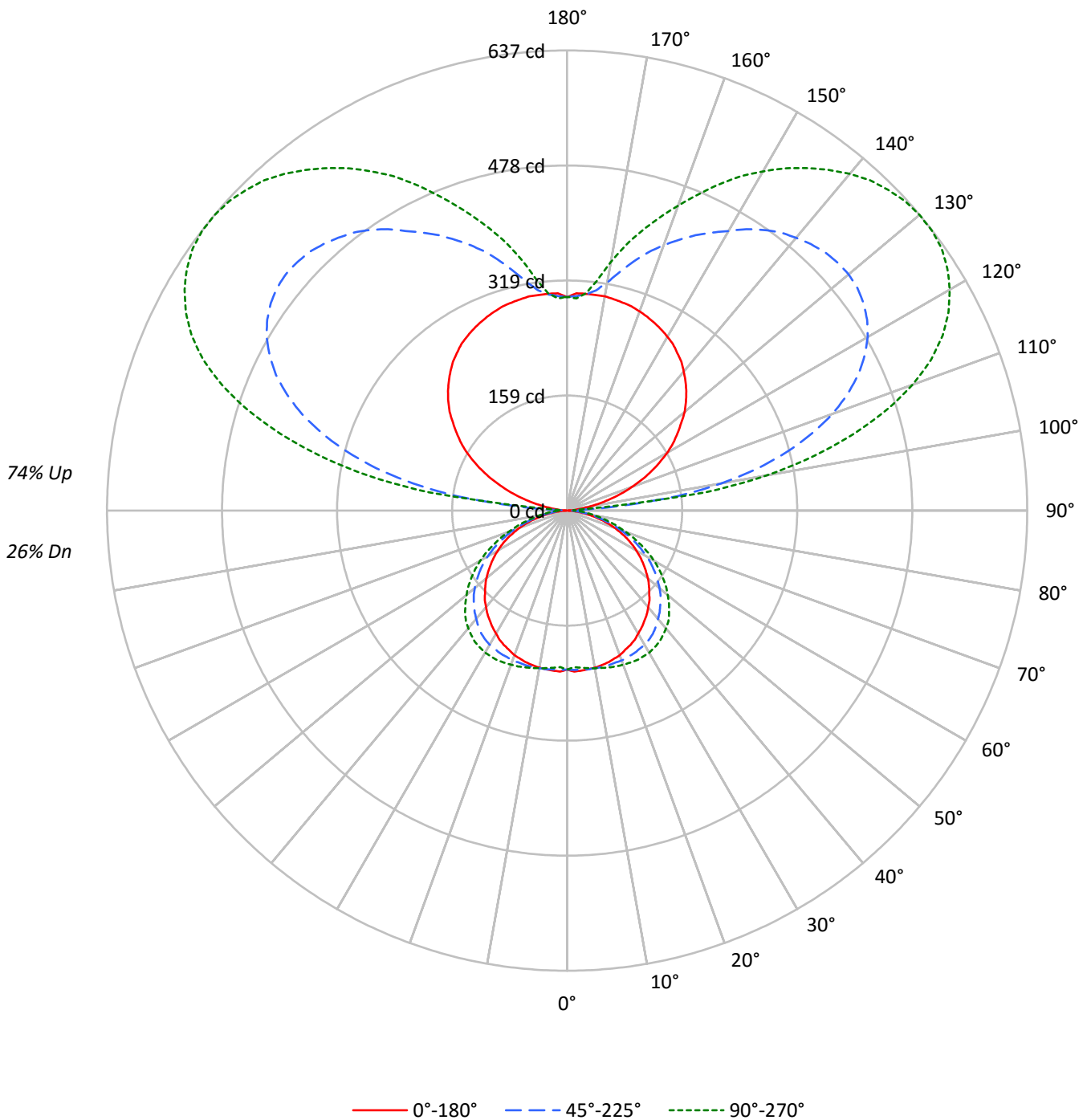
Input Watts (W): 27.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (2700K)

### Luminous Intensity Polar Plot





TEST NUMBER: P395399

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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°	1209	1209	1209
5°	1222	1191	1171
10°	1223	1181	1168
15°	1225	1177	1174
20°	1227	1178	1184
25°	1224	1178	1200
30°	1218	1180	1208
35°	1215	1174	1209
40°	1210	1149	1194
45°	1198	1121	1164
50°	1187	1084	1113
55°	1163	1029	1048
60°	1134	958	968
65°	1088	860	858
70°	1010	732	726
75°	872	582	583
80°	676	414	427
85°	399	256	286



TEST NUMBER: P395399

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (2700K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.1	0.7
10°-20°	62.5	2.2
20°-30°	100.3	3.5
30°-40°	128.2	4.4
40°-50°	139.8	4.8
50°-60°	131.0	4.5
60°-70°	101.7	3.5
70°-80°	58.2	2.0
80°-90°	18.6	0.6
90°-100°	74.8	2.6
100°-110°	290.7	10.0
110°-120°	395.7	13.6
120°-130°	410.8	14.2
130°-140°	364.4	12.6
140°-150°	282.7	9.8
150°-160°	188.7	6.5
160°-170°	100.6	3.5
170°-180°	29.4	1.0
0°-30°	183.8	6.3
0°-40°	312.1	10.8
0°-60°	582.9	20.1
0°-90°	761.4	26.3
90°-120°	761.1	26.3
90°-150°	1818.9	62.7
90°-180°	2138.0	73.7
0°-180°	2899.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	220	220	220	220	220	
5°	222	220	221	220	218	21
15°	218	217	222	225	225	61
25°	206	208	218	226	229	95
35°	186	190	208	218	222	117
45°	161	168	182	194	200	124
55°	129	136	148	158	162	115
65°	91	95	104	111	113	90
75°	48	50	55	60	62	51
85°	9	11	16	21	22	11
90°	1	2	6	8	9	1
95°	9	53	73	15	14	12
105°	62	186	316	375	411	66
115°	129	288	445	523	573	127
125°	186	339	501	588	633	167
135°	233	357	506	593	628	180
145°	266	357	474	551	579	167
155°	286	338	420	477	498	132
165°	298	310	357	391	401	84
175°	301	300	300	302	302	29
180°	296	296	296	296	296	



TEST NUMBER: P395399

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0
2.5°	223.1	222.3	222.3	220.8	220.8	220.0	220.0	220.0	220.0	220.0	220.8
5°	222.3	222.3	221.6	220.8	220.8	220.0	220.0	220.0	220.0	220.0	220.8
7.5°	221.6	221.6	220.8	220.0	220.0	220.0	220.0	220.0	220.0	220.0	221.6
10°	220.8	220.8	220.0	219.2	219.2	219.2	219.2	220.0	220.0	220.0	221.6
12.5°	219.2	218.4	218.4	217.7	217.7	217.7	218.4	218.4	219.2	220.0	221.6
15°	217.7	217.7	216.9	216.1	216.9	216.9	216.9	217.7	218.4	219.2	221.6
17.5°	215.3	215.3	214.5	214.5	214.5	215.3	215.3	216.1	217.7	219.2	220.8
20°	213.0	212.2	212.2	212.2	213.0	213.0	213.7	215.3	216.1	218.4	220.8
22.5°	209.1	209.8	209.1	209.1	209.8	210.6	211.4	213.0	214.5	216.9	219.2
25°	205.9	205.9	205.9	205.9	207.5	207.5	209.1	210.6	213.0	215.3	218.4
27.5°	202.0	202.0	202.0	202.8	203.6	204.4	205.2	207.5	209.8	213.0	216.1
30°	196.6	196.6	196.6	196.6	198.9	199.7	201.3	204.4	206.7	210.6	214.5
32.5°	191.9	191.9	191.9	192.7	194.2	195.0	196.6	200.5	203.6	207.5	211.4
35°	186.4	186.4	187.2	187.2	189.6	190.3	191.9	195.0	198.1	202.8	207.5
37.5°	181.0	181.0	181.8	182.5	184.1	185.7	187.2	190.3	193.5	197.4	202.0
40°	174.7	174.7	175.5	176.3	178.6	180.2	181.8	184.9	188.0	191.9	195.8
42.5°	168.5	168.5	169.3	170.1	172.4	174.0	175.5	179.4	182.5	186.4	189.6
45°	160.7	161.5	162.3	163.8	166.2	167.7	169.3	172.4	176.3	179.4	182.5
47.5°	153.7	154.5	155.2	156.8	159.1	160.7	162.3	165.4	168.5	171.6	175.5
50°	145.9	146.7	147.4	149.0	151.3	152.9	154.5	157.6	160.7	163.0	166.9
52.5°	137.3	138.1	138.9	140.4	143.5	144.3	145.9	149.0	151.3	154.5	157.6
55°	128.7	129.5	130.3	131.8	134.2	135.7	136.5	139.6	142.0	145.1	148.2
57.5°	120.1	120.9	121.7	123.3	124.8	126.4	127.2	129.5	132.6	135.0	138.1
60°	110.8	111.6	112.3	113.1	115.5	116.2	117.0	119.4	121.7	124.8	127.2
62.5°	101.4	101.4	102.2	103.0	105.3	106.1	106.9	108.4	111.6	113.1	115.5
65°	91.3	91.3	92.1	92.8	94.4	95.2	96.0	97.5	99.9	101.4	103.8
67.5°	80.4	80.4	81.1	81.9	83.5	84.3	84.3	86.6	88.2	89.7	91.3
70°	70.2	70.2	71.0	71.0	71.8	72.6	73.3	74.9	75.7	78.0	78.8
72.5°	59.3	59.3	59.3	59.3	60.8	60.8	61.6	63.2	64.0	65.5	67.1
75°	47.6	47.6	48.4	48.4	49.1	49.9	50.7	51.5	53.0	53.8	54.6
77.5°	37.4	36.7	37.4	38.2	39.0	39.0	39.8	40.6	41.3	42.9	43.7
80°	26.5	26.5	26.5	27.3	28.1	28.1	28.9	29.6	30.4	32.0	32.8
82.5°	17.2	17.2	17.9	17.9	18.7	19.5	19.5	20.3	21.1	22.6	23.4
85°	9.4	9.4	9.4	10.1	10.9	10.9	11.7	12.5	14.0	14.8	16.4
87.5°	3.1	3.1	3.9	4.7	5.5	5.5	6.2	7.0	7.8	9.4	10.1
90°	0.8	0.8	0.8	1.6	1.6	2.3	2.3	3.1	3.9	4.7	5.5
92.5°	3.1	5.5	8.6	12.5	11.7	12.5	8.6	5.5	5.5	5.5	6.2
95°	9.4	14.0	22.6	35.9	46.8	53.0	58.5	64.0	74.9	75.7	72.6
97.5°	18.7	25.7	41.3	58.5	78.0	88.2	96.0	112.3	129.5	140.4	153.7
100°	31.2	41.3	61.6	85.0	107.7	120.9	133.4	156.8	177.9	196.6	216.9
102.5°	46.0	57.7	82.7	111.6	139.6	154.5	167.7	195.0	223.9	248.9	270.7
105°	61.6	74.9	104.5	137.3	169.3	186.4	202.8	232.5	262.9	290.2	315.9
107.5°	78.8	92.8	124.8	161.5	197.4	216.9	234.8	266.8	298.8	328.4	355.7
110°	95.2	110.8	144.3	184.1	224.7	244.2	262.1	297.2	330.8	362.0	390.8



TEST NUMBER: P395399

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	112.3	128.7	162.3	205.9	247.3	267.6	286.3	323.7	358.8	390.8	419.7
115°	128.7	144.3	179.4	224.7	266.8	287.9	308.1	346.4	383.0	415.0	444.7
117.5°	144.3	159.1	195.0	240.3	284.0	305.0	325.3	365.1	401.8	435.3	464.2
120°	159.9	173.2	212.2	253.5	298.0	319.1	340.1	379.9	417.4	450.9	480.5
122.5°	174.0	186.4	224.7	265.2	308.9	330.8	351.0	391.6	429.8	463.4	492.2
125°	186.4	198.1	236.4	274.6	318.3	339.3	360.4	400.2	438.4	471.2	500.8
127.5°	198.9	210.6	245.0	284.0	324.5	346.4	366.7	406.4	443.9	477.4	506.3
130°	212.2	220.8	253.5	292.5	330.8	351.0	372.1	410.3	447.0	479.8	508.6
132.5°	223.1	230.9	262.1	299.6	335.4	354.9	373.7	411.9	448.6	479.8	507.9
135°	233.3	239.5	268.4	305.8	339.3	357.3	375.2	411.1	447.0	478.2	505.5
137.5°	242.6	248.9	273.8	310.5	342.5	358.1	375.2	408.8	443.1	474.3	500.0
140°	251.2	255.9	278.5	312.8	344.0	358.8	373.7	404.9	436.9	467.3	493.0
142.5°	259.8	263.7	282.4	314.4	344.8	358.8	372.9	400.2	429.8	459.5	485.2
145°	266.0	269.9	285.5	315.2	344.0	357.3	369.8	395.5	422.0	449.3	474.3
147.5°	273.0	276.2	288.6	313.6	341.7	354.2	365.9	389.3	413.5	438.4	461.8
150°	277.7	280.8	290.2	312.0	337.8	349.5	361.2	383.0	404.9	426.7	447.0
152.5°	282.4	284.7	292.5	309.7	333.1	344.0	354.9	376.0	396.3	415.8	433.7
155°	286.3	288.6	294.1	308.1	327.6	337.8	347.9	368.2	386.9	404.1	420.5
157.5°	290.2	291.8	295.7	305.8	321.4	330.8	340.1	358.1	375.2	392.4	405.7
160°	293.3	294.1	297.2	305.0	315.9	323.0	331.5	347.9	363.5	378.4	390.8
162.5°	296.4	296.4	298.8	303.5	311.3	315.9	322.2	336.2	350.3	363.5	375.2
165°	298.0	298.0	299.6	302.7	307.4	310.5	314.4	323.7	334.7	346.4	357.3
167.5°	299.6	299.6	300.3	301.9	305.0	306.6	308.1	314.4	321.4	330.0	338.6
170°	301.1	300.3	300.3	301.9	302.7	303.5	304.2	307.4	310.5	315.9	320.6
172.5°	301.1	300.3	300.3	301.1	301.1	301.1	301.1	301.9	302.7	305.8	307.4
175°	301.1	300.3	300.3	300.3	300.3	299.6	299.6	299.6	299.6	299.6	300.3
177.5°	301.1	300.3	299.6	299.6	298.8	298.8	298.0	298.0	297.2	297.2	297.2
180°	295.7	295.7	295.7	295.7	295.7	295.7	295.7	295.7	295.7	295.7	295.7



TEST NUMBER: P395399

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0	220.0
2.5°	220.8	220.8	220.0	220.0	219.2	219.2	218.4	217.7	216.9	216.9
5°	221.6	220.8	220.0	220.0	220.0	219.2	219.2	219.2	218.4	218.4
7.5°	221.6	221.6	221.6	220.8	220.8	220.8	220.8	220.8	220.0	220.0
10°	222.3	222.3	222.3	222.3	222.3	222.3	222.3	221.6	221.6	221.6
12.5°	222.3	222.3	222.3	223.1	223.1	223.1	223.1	223.1	223.1	223.1
15°	223.1	223.1	223.9	223.9	224.7	224.7	225.5	225.5	225.5	224.7
17.5°	222.3	223.1	223.9	224.7	225.5	225.5	226.2	226.2	226.2	226.2
20°	222.3	223.9	224.7	225.5	226.2	226.2	227.0	227.8	227.8	227.0
22.5°	221.6	223.1	223.9	225.5	226.2	226.2	227.8	227.8	227.8	227.8
25°	220.8	222.3	223.9	225.5	226.2	226.2	227.8	227.8	228.6	228.6
27.5°	219.2	220.8	223.1	224.7	225.5	226.2	227.0	227.8	227.8	227.8
30°	216.9	219.2	221.6	223.1	223.9	224.7	225.5	226.2	227.0	227.0
32.5°	213.7	216.1	218.4	220.8	221.6	222.3	223.9	224.7	224.7	224.7
35°	210.6	213.0	215.3	217.7	218.4	219.2	220.8	221.6	222.3	222.3
37.5°	205.9	208.3	210.6	213.0	213.7	215.3	216.9	217.7	217.7	217.7
40°	198.9	202.8	205.9	208.3	209.1	210.6	211.4	213.0	213.0	213.0
42.5°	192.7	195.8	198.1	201.3	202.0	204.4	205.9	206.7	207.5	207.5
45°	185.7	188.8	191.1	193.5	194.2	195.8	197.4	198.1	198.9	199.7
47.5°	178.6	181.0	183.3	185.7	186.4	188.0	189.6	190.3	191.1	191.1
50°	170.1	172.4	174.7	177.1	177.9	179.4	180.2	181.0	181.8	181.8
52.5°	160.7	163.0	165.4	167.7	168.5	169.3	170.8	171.6	172.4	172.4
55°	151.3	153.7	155.2	157.6	158.4	159.1	159.9	161.5	162.3	161.5
57.5°	140.4	142.8	144.3	146.7	147.4	148.2	149.0	149.8	150.6	150.6
60°	128.7	131.1	133.4	135.0	135.7	136.5	137.3	138.1	138.9	138.9
62.5°	117.0	119.4	120.9	123.3	124.0	124.0	124.8	125.6	126.4	126.4
65°	105.3	107.7	108.4	110.8	110.8	111.6	112.3	113.1	113.1	113.1
67.5°	92.8	95.2	96.0	97.5	97.5	98.3	99.1	99.9	99.9	99.9
70°	81.1	81.9	83.5	84.3	85.0	85.0	85.8	86.6	87.4	86.6
72.5°	68.6	69.4	71.0	71.8	71.8	72.6	72.6	73.3	74.1	74.1
75°	56.2	57.7	58.5	59.3	60.1	60.1	60.8	61.6	61.6	61.6
77.5°	44.5	46.0	46.8	47.6	48.4	48.4	49.1	49.1	49.9	49.1
80°	34.3	35.1	35.9	36.7	37.4	37.4	38.2	39.0	39.0	39.0
82.5°	25.0	25.7	27.3	28.1	28.1	28.1	29.6	29.6	30.4	29.6
85°	17.2	17.9	19.5	20.3	21.1	21.1	21.1	21.8	22.6	21.8
87.5°	10.9	12.5	13.3	14.0	14.0	14.0	14.8	15.6	15.6	15.6
90°	6.2	6.2	7.0	7.8	7.8	8.6	8.6	9.4	9.4	9.4
92.5°	6.2	7.0	7.0	7.0	7.8	7.8	7.8	8.6	8.6	8.6
95°	53.0	38.2	21.8	17.2	14.8	14.8	14.0	14.8	14.0	14.0
97.5°	160.7	174.0	180.2	188.8	193.5	192.7	189.6	192.7	190.3	192.7
100°	228.6	241.1	250.4	252.8	257.4	259.8	268.4	274.6	277.7	281.6
102.5°	284.0	298.8	309.7	315.9	320.6	323.7	333.9	343.2	347.9	351.0
105°	334.7	350.3	363.5	369.8	375.2	378.4	389.3	400.2	407.2	411.1
107.5°	375.2	393.2	407.2	416.6	422.0	427.5	440.8	451.7	460.3	464.2
110°	411.9	429.8	444.7	455.6	461.8	467.3	482.1	494.6	503.9	508.6





TEST NUMBER: P395399

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	442.3	461.8	476.6	488.3	494.6	502.4	516.4	530.5	539.8	545.3
115°	467.3	487.6	503.2	515.7	522.7	529.7	546.1	560.1	569.5	573.4
117.5°	488.3	508.6	525.0	537.5	545.3	553.1	569.5	582.0	592.1	595.2
120°	505.5	525.8	542.2	556.2	564.0	571.0	586.6	599.9	609.3	611.6
122.5°	517.2	538.3	555.4	571.0	578.1	585.1	599.9	613.2	621.7	624.1
125°	525.8	547.6	564.8	581.2	588.2	595.2	609.3	622.5	629.5	632.7
127.5°	531.3	553.1	571.8	587.4	595.2	601.5	615.5	627.2	634.2	636.6
130°	532.8	555.4	574.2	590.5	597.6	603.8	617.1	628.8	635.0	636.6
132.5°	532.8	554.7	574.2	589.8	596.8	603.0	615.5	626.4	632.7	634.2
135°	529.7	550.8	570.3	585.9	592.9	599.1	611.6	621.0	627.2	628.0
137.5°	524.2	544.5	563.2	578.8	585.9	592.1	603.0	613.2	618.6	620.2
140°	517.2	535.9	554.7	569.5	576.5	582.0	592.9	601.5	606.9	608.5
142.5°	507.9	526.6	543.7	558.6	564.0	570.3	579.6	588.2	592.9	594.4
145°	497.7	515.7	531.3	544.5	550.8	556.2	564.8	572.6	577.3	578.8
147.5°	484.4	502.4	517.2	529.7	535.2	540.6	548.4	555.4	560.1	561.7
150°	468.1	484.4	500.0	511.8	517.2	522.7	530.5	536.7	541.4	542.2
152.5°	451.7	467.3	480.5	492.2	497.7	503.2	510.2	516.4	521.9	521.9
155°	436.1	449.3	461.8	472.0	476.6	481.3	488.3	493.8	498.5	498.5
157.5°	419.7	432.2	442.3	451.7	455.6	459.5	465.7	470.4	474.3	473.5
160°	404.1	413.5	422.8	430.6	434.5	437.6	442.3	446.2	450.1	449.3
162.5°	386.9	395.5	403.3	408.8	411.9	414.2	418.9	422.8	425.2	425.2
165°	367.4	375.2	382.3	387.7	390.8	392.4	396.3	398.6	401.0	401.0
167.5°	347.1	353.4	359.6	364.3	367.4	369.0	372.9	374.5	377.6	376.8
170°	326.9	331.5	336.2	340.1	341.7	343.2	346.4	347.9	349.5	349.5
172.5°	310.5	312.0	314.4	317.5	317.5	318.3	319.8	320.6	321.4	321.4
175°	301.1	301.9	301.9	301.9	301.9	301.9	302.7	301.9	302.7	301.9
177.5°	297.2	297.2	296.4	296.4	295.7	296.4	295.7	294.9	294.9	294.1
180°	295.7	295.7	295.7	295.7	295.7	295.7	295.7	295.7	295.7	295.7

(END OF REPORT)