

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: P395406

Luminaire Tested: **I3-CL-40L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395406  
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 (6500K)  
Description: CORELITE I3, CLEAR TOP COVER  
4000 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: 3509.1 lumens  
Efficiency: N/A  
Efficacy: 120.2 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

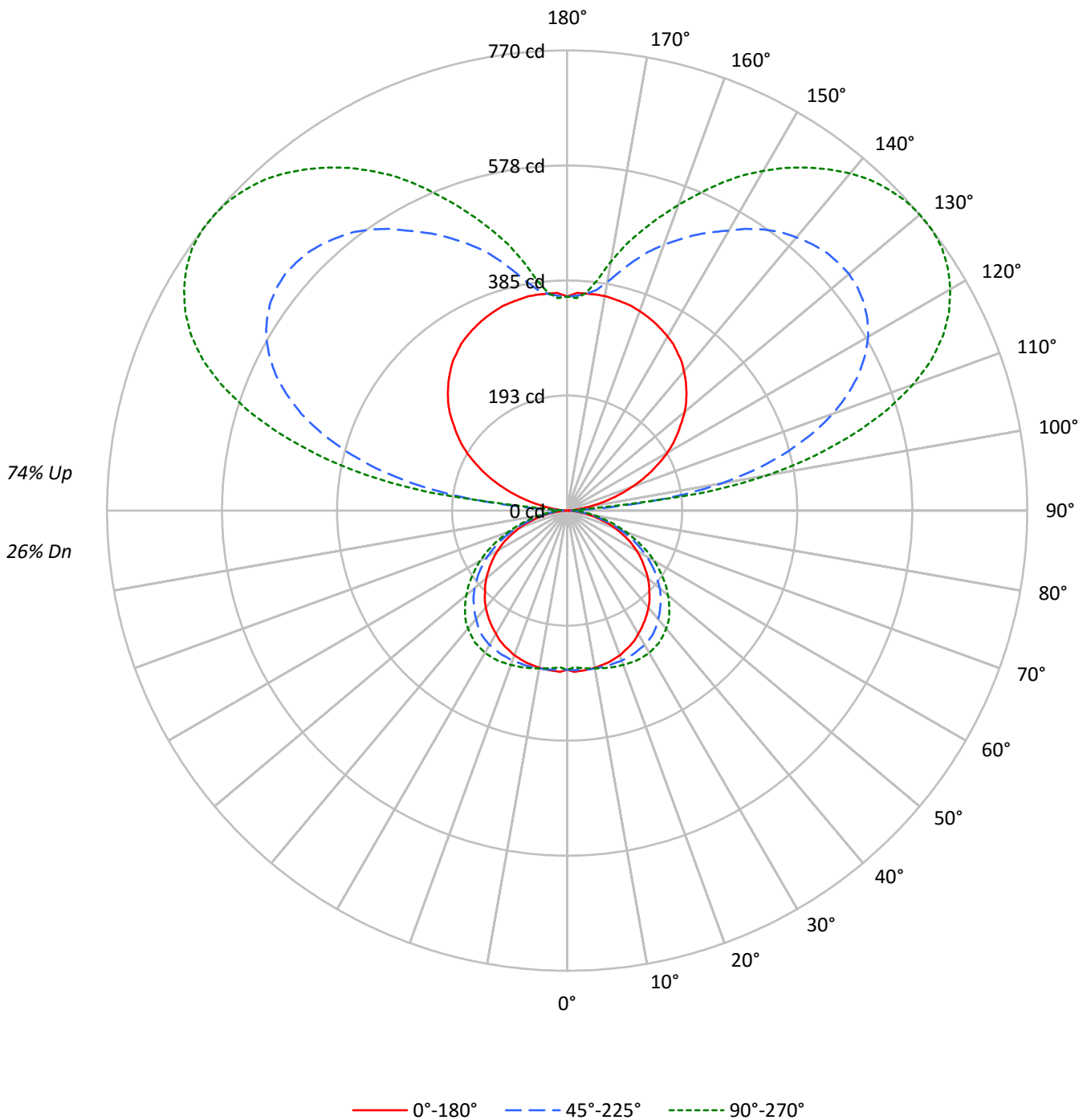
Input Watts (W): 29.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P395406

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (6500K)

### Luminous Intensity Polar Plot





TEST NUMBER: P395406

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (6500K)

**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	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°	1464	1464	1464
5°	1479	1441	1417
10°	1480	1430	1414
15°	1483	1425	1421
20°	1485	1425	1433
25°	1483	1427	1452
30°	1474	1429	1463
35°	1471	1421	1464
40°	1465	1390	1445
45°	1450	1357	1409
50°	1437	1312	1346
55°	1407	1246	1269
60°	1373	1158	1172
65°	1317	1040	1038
70°	1223	886	879
75°	1056	705	706
80°	819	501	517
85°	479	309	346



TEST NUMBER: P395406

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (6500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.5	0.7
10°-20°	75.7	2.2
20°-30°	121.4	3.5
30°-40°	155.2	4.4
40°-50°	169.2	4.8
50°-60°	158.6	4.5
60°-70°	123.0	3.5
70°-80°	70.5	2.0
80°-90°	22.5	0.6
90°-100°	90.5	2.6
100°-110°	351.8	10.0
110°-120°	479.0	13.6
120°-130°	497.2	14.2
130°-140°	441.0	12.6
140°-150°	342.2	9.8
150°-160°	228.4	6.5
160°-170°	121.7	3.5
170°-180°	35.6	1.0
0°-30°	222.5	6.3
0°-40°	377.8	10.8
0°-60°	705.6	20.1
0°-90°	921.7	26.3
90°-120°	921.3	26.3
90°-150°	2201.8	62.7
90°-180°	2587.0	73.7
0°-180°	3509.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	266	266	266	266	266	
5°	269	266	267	266	264	26
15°	264	262	268	272	272	74
25°	249	251	264	274	277	115
35°	226	230	251	264	269	141
45°	194	203	221	235	242	150
55°	156	164	179	192	196	139
65°	110	115	126	134	137	109
75°	58	60	66	73	75	61
85°	11	13	20	26	26	14
90°	1	3	7	9	11	1
95°	11	64	88	18	17	15
105°	75	226	382	454	498	80
115°	156	348	538	633	694	154
125°	226	411	606	712	766	202
135°	282	432	612	718	760	218
145°	322	432	574	667	701	202
155°	347	409	509	577	603	160
165°	361	376	432	473	485	102
175°	364	363	364	365	365	35
180°	358	358	358	358	358	



TEST NUMBER: P395406

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	266.3	266.3	266.3	266.3	266.3	266.3	266.3	266.3	266.3	266.3	266.3
2.5°	270.1	269.1	269.1	267.2	267.2	266.3	266.3	266.3	266.3	266.3	267.2
5°	269.1	269.1	268.2	267.2	267.2	266.3	266.3	266.3	266.3	266.3	267.2
7.5°	268.2	268.2	267.2	266.3	266.3	266.3	266.3	266.3	266.3	266.3	268.2
10°	267.2	267.2	266.3	265.3	265.3	265.3	265.3	266.3	266.3	266.3	268.2
12.5°	265.3	264.4	264.4	263.5	263.5	263.5	264.4	264.4	265.3	266.3	268.2
15°	263.5	263.5	262.5	261.6	262.5	262.5	262.5	263.5	264.4	265.3	268.2
17.5°	260.6	260.6	259.7	259.7	259.7	260.6	260.6	261.6	263.5	265.3	267.2
20°	257.8	256.8	256.8	256.8	257.8	257.8	258.7	260.6	261.6	264.4	267.2
22.5°	253.1	254.0	253.1	253.1	254.0	255.0	255.9	257.8	259.7	262.5	265.3
25°	249.3	249.3	249.3	249.3	251.2	251.2	253.1	255.0	257.8	260.6	264.4
27.5°	244.6	244.6	244.6	245.5	246.5	247.4	248.3	251.2	254.0	257.8	261.6
30°	238.0	238.0	238.0	238.0	240.8	241.7	243.6	247.4	250.2	255.0	259.7
32.5°	232.3	232.3	232.3	233.2	235.1	236.1	238.0	242.7	246.5	251.2	255.9
35°	225.7	225.7	226.6	226.6	229.5	230.4	232.3	236.1	239.8	245.5	251.2
37.5°	219.1	219.1	220.0	221.0	222.9	224.7	226.6	230.4	234.2	238.9	244.6
40°	211.5	211.5	212.5	213.4	216.2	218.1	220.0	223.8	227.6	232.3	237.0
42.5°	204.0	204.0	204.9	205.9	208.7	210.6	212.5	217.2	221.0	225.7	229.5
45°	194.5	195.5	196.4	198.3	201.1	203.0	204.9	208.7	213.4	217.2	221.0
47.5°	186.0	187.0	187.9	189.8	192.6	194.5	196.4	200.2	204.0	207.7	212.5
50°	176.6	177.5	178.5	180.4	183.2	185.1	187.0	190.7	194.5	197.4	202.1
52.5°	166.2	167.1	168.1	170.0	173.7	174.7	176.6	180.4	183.2	187.0	190.7
55°	155.8	156.8	157.7	159.6	162.4	164.3	165.3	169.0	171.9	175.6	179.4
57.5°	145.4	146.4	147.3	149.2	151.1	153.0	153.9	156.8	160.5	163.4	167.1
60°	134.1	135.0	136.0	136.9	139.8	140.7	141.6	144.5	147.3	151.1	153.9
62.5°	122.8	122.8	123.7	124.6	127.5	128.4	129.4	131.3	135.0	136.9	139.8
65°	110.5	110.5	111.4	112.4	114.3	115.2	116.1	118.0	120.9	122.8	125.6
67.5°	97.3	97.3	98.2	99.2	101.0	102.0	102.0	104.8	106.7	108.6	110.5
70°	85.0	85.0	85.9	85.9	86.9	87.8	88.8	90.7	91.6	94.4	95.4
72.5°	71.8	71.8	71.8	71.8	73.7	73.7	74.6	76.5	77.4	79.3	81.2
75°	57.6	57.6	58.5	58.5	59.5	60.4	61.4	62.3	64.2	65.2	66.1
77.5°	45.3	44.4	45.3	46.3	47.2	47.2	48.2	49.1	50.0	51.9	52.9
80°	32.1	32.1	32.1	33.1	34.0	34.0	34.9	35.9	36.8	38.7	39.7
82.5°	20.8	20.8	21.7	21.7	22.7	23.6	23.6	24.6	25.5	27.4	28.3
85°	11.3	11.3	11.3	12.3	13.2	13.2	14.2	15.1	17.0	17.9	19.8
87.5°	3.8	3.8	4.7	5.7	6.6	6.6	7.6	8.5	9.4	11.3	12.3
90°	0.9	0.9	0.9	1.9	1.9	2.8	2.8	3.8	4.7	5.7	6.6
92.5°	3.8	6.6	10.4	15.1	14.2	15.1	10.4	6.6	6.6	6.6	7.6
95°	11.3	17.0	27.4	43.4	56.7	64.2	70.8	77.4	90.7	91.6	87.8
97.5°	22.7	31.2	50.0	70.8	94.4	106.7	116.1	136.0	156.8	170.0	186.0
100°	37.8	50.0	74.6	102.9	130.3	146.4	161.5	189.8	215.3	238.0	262.5
102.5°	55.7	69.9	100.1	135.0	169.0	187.0	203.0	236.1	271.0	301.2	327.7
105°	74.6	90.7	126.5	166.2	204.9	225.7	245.5	281.4	318.2	351.3	382.4
107.5°	95.4	112.4	151.1	195.5	238.9	262.5	284.2	322.9	361.7	397.5	430.6
110°	115.2	134.1	174.7	222.9	272.0	295.6	317.3	359.8	400.4	438.2	473.1



TEST NUMBER: P395406

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	136.0	155.8	196.4	249.3	299.3	323.9	346.6	391.9	434.4	473.1	508.0
115°	155.8	174.7	217.2	272.0	322.9	348.4	373.0	419.3	463.6	502.4	538.2
117.5°	174.7	192.6	236.1	290.8	343.7	369.2	393.8	441.9	486.3	526.9	561.9
120°	193.6	209.6	256.8	306.9	360.7	386.2	411.7	459.9	505.2	545.8	581.7
122.5°	210.6	225.7	272.0	321.1	373.9	400.4	424.9	474.0	520.3	560.9	595.8
125°	225.7	239.8	286.1	332.4	385.3	410.8	436.3	484.4	530.7	570.4	606.2
127.5°	240.8	255.0	296.5	343.7	392.8	419.3	443.8	492.0	537.3	577.9	612.8
130°	256.8	267.2	306.9	354.1	400.4	424.9	450.4	496.7	541.1	580.7	615.7
132.5°	270.1	279.5	317.3	362.6	406.0	429.7	452.3	498.6	543.0	580.7	614.7
135°	282.3	289.9	324.8	370.2	410.8	432.5	454.2	497.6	541.1	578.8	611.9
137.5°	293.7	301.2	331.4	375.8	414.5	433.4	454.2	494.8	536.4	574.1	605.3
140°	304.1	309.7	337.1	378.7	416.4	434.4	452.3	490.1	528.8	565.6	596.8
142.5°	314.4	319.2	341.8	380.5	417.4	434.4	451.4	484.4	520.3	556.2	587.3
145°	322.0	326.7	345.6	381.5	416.4	432.5	447.6	478.8	510.9	543.9	574.1
147.5°	330.5	334.3	349.4	379.6	413.6	428.7	442.9	471.2	500.5	530.7	559.0
150°	336.2	339.9	351.3	377.7	408.9	423.0	437.2	463.6	490.1	516.5	541.1
152.5°	341.8	344.7	354.1	374.9	403.2	416.4	429.7	455.1	479.7	503.3	525.0
155°	346.6	349.4	356.0	373.0	396.6	408.9	421.2	445.7	468.4	489.1	509.0
157.5°	351.3	353.2	357.9	370.2	389.0	400.4	411.7	433.4	454.2	475.0	491.0
160°	355.1	356.0	359.8	369.2	382.4	390.9	401.3	421.2	440.0	458.0	473.1
162.5°	358.8	358.8	361.7	367.3	376.8	382.4	390.0	407.0	424.0	440.0	454.2
165°	360.7	360.7	362.6	366.4	372.0	375.8	380.5	391.9	405.1	419.3	432.5
167.5°	362.6	362.6	363.6	365.4	369.2	371.1	373.0	380.5	389.0	399.4	409.8
170°	364.5	363.6	363.6	365.4	366.4	367.3	368.3	372.0	375.8	382.4	388.1
172.5°	364.5	363.6	363.6	364.5	364.5	364.5	364.5	365.4	366.4	370.2	372.0
175°	364.5	363.6	363.6	363.6	363.6	362.6	362.6	362.6	362.6	362.6	363.6
177.5°	364.5	363.6	362.6	362.6	361.7	361.7	360.7	360.7	359.8	359.8	359.8
180°	357.9	357.9	357.9	357.9	357.9	357.9	357.9	357.9	357.9	357.9	357.9



TEST NUMBER: P395406

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	266.3	266.3	266.3	266.3	266.3	266.3	266.3	266.3	266.3	266.3
2.5°	267.2	267.2	266.3	266.3	265.3	265.3	264.4	263.5	262.5	262.5
5°	268.2	267.2	266.3	266.3	266.3	265.3	265.3	265.3	264.4	264.4
7.5°	268.2	268.2	268.2	267.2	267.2	267.2	267.2	267.2	266.3	266.3
10°	269.1	269.1	269.1	269.1	269.1	269.1	269.1	268.2	268.2	268.2
12.5°	269.1	269.1	269.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1
15°	270.1	270.1	271.0	271.0	272.0	272.0	272.9	272.9	272.9	272.0
17.5°	269.1	270.1	271.0	272.0	272.9	272.9	273.8	273.8	273.8	273.8
20°	269.1	271.0	272.0	272.9	273.8	273.8	274.8	275.7	275.7	274.8
22.5°	268.2	270.1	271.0	272.9	273.8	273.8	275.7	275.7	275.7	275.7
25°	267.2	269.1	271.0	272.9	273.8	273.8	275.7	275.7	276.7	276.7
27.5°	265.3	267.2	270.1	272.0	272.9	273.8	274.8	275.7	275.7	275.7
30°	262.5	265.3	268.2	270.1	271.0	272.0	272.9	273.8	274.8	274.8
32.5°	258.7	261.6	264.4	267.2	268.2	269.1	271.0	272.0	272.0	272.0
35°	255.0	257.8	260.6	263.5	264.4	265.3	267.2	268.2	269.1	269.1
37.5°	249.3	252.1	255.0	257.8	258.7	260.6	262.5	263.5	263.5	263.5
40°	240.8	245.5	249.3	252.1	253.1	255.0	255.9	257.8	257.8	257.8
42.5°	233.2	237.0	239.8	243.6	244.6	247.4	249.3	250.2	251.2	251.2
45°	224.7	228.5	231.4	234.2	235.1	237.0	238.9	239.8	240.8	241.7
47.5°	216.2	219.1	221.9	224.7	225.7	227.6	229.5	230.4	231.4	231.4
50°	205.9	208.7	211.5	214.4	215.3	217.2	218.1	219.1	220.0	220.0
52.5°	194.5	197.4	200.2	203.0	204.0	204.9	206.8	207.7	208.7	208.7
55°	183.2	186.0	187.9	190.7	191.7	192.6	193.6	195.5	196.4	195.5
57.5°	170.0	172.8	174.7	177.5	178.5	179.4	180.4	181.3	182.2	182.2
60°	155.8	158.6	161.5	163.4	164.3	165.3	166.2	167.1	168.1	168.1
62.5°	141.6	144.5	146.4	149.2	150.1	150.1	151.1	152.0	153.0	153.0
65°	127.5	130.3	131.3	134.1	134.1	135.0	136.0	136.9	136.9	136.9
67.5°	112.4	115.2	116.1	118.0	118.0	119.0	119.9	120.9	120.9	120.9
70°	98.2	99.2	101.0	102.0	102.9	102.9	103.9	104.8	105.8	104.8
72.5°	83.1	84.0	85.9	86.9	86.9	87.8	87.8	88.8	89.7	89.7
75°	68.0	69.9	70.8	71.8	72.7	72.7	73.7	74.6	74.6	74.6
77.5°	53.8	55.7	56.7	57.6	58.5	58.5	59.5	59.5	60.4	59.5
80°	41.5	42.5	43.4	44.4	45.3	45.3	46.3	47.2	47.2	47.2
82.5°	30.2	31.2	33.1	34.0	34.0	34.0	35.9	35.9	36.8	35.9
85°	20.8	21.7	23.6	24.6	25.5	25.5	25.5	26.4	27.4	26.4
87.5°	13.2	15.1	16.1	17.0	17.0	17.0	17.9	18.9	18.9	18.9
90°	7.6	7.6	8.5	9.4	9.4	10.4	10.4	11.3	11.3	11.3
92.5°	7.6	8.5	8.5	8.5	9.4	9.4	9.4	10.4	10.4	10.4
95°	64.2	46.3	26.4	20.8	17.9	17.9	17.0	17.9	17.0	17.0
97.5°	194.5	210.6	218.1	228.5	234.2	233.2	229.5	233.2	230.4	233.2
100°	276.7	291.8	303.1	305.9	311.6	314.4	324.8	332.4	336.2	340.9
102.5°	343.7	361.7	374.9	382.4	388.1	391.9	404.2	415.5	421.2	424.9
105°	405.1	424.0	440.0	447.6	454.2	458.0	471.2	484.4	492.9	497.6
107.5°	454.2	475.9	492.9	504.3	510.9	517.5	533.5	546.7	557.1	561.9
110°	498.6	520.3	538.2	551.5	559.0	565.6	583.6	598.7	610.0	615.7





TEST NUMBER: P395406

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	535.4	559.0	577.0	591.1	598.7	608.1	625.1	642.1	653.4	660.1
115°	565.6	590.2	609.1	624.2	632.7	641.2	661.0	678.0	689.3	694.1
117.5°	591.1	615.7	635.5	650.6	660.1	669.5	689.3	704.4	716.7	720.5
120°	611.9	636.5	656.3	673.3	682.7	691.2	710.1	726.2	737.5	740.3
122.5°	626.1	651.6	672.3	691.2	699.7	708.2	726.2	742.2	752.6	755.4
125°	636.5	662.9	683.7	703.5	712.0	720.5	737.5	753.5	762.0	765.8
127.5°	643.1	669.5	692.2	711.0	720.5	728.0	745.0	759.2	767.7	770.5
130°	644.9	672.3	695.0	714.8	723.3	730.9	746.9	761.1	768.7	770.5
132.5°	644.9	671.4	695.0	713.9	722.4	729.9	745.0	758.3	765.8	767.7
135°	641.2	666.7	690.3	709.2	717.7	725.2	740.3	751.7	759.2	760.2
137.5°	634.6	659.1	681.8	700.7	709.2	716.7	729.9	742.2	748.8	750.7
140°	626.1	648.7	671.4	689.3	697.8	704.4	717.7	728.0	734.7	736.5
142.5°	614.7	637.4	658.2	676.1	682.7	690.3	701.6	712.0	717.7	719.5
145°	602.5	624.2	643.1	659.1	666.7	673.3	683.7	693.1	698.8	700.7
147.5°	586.4	608.1	626.1	641.2	647.8	654.4	663.8	672.3	678.0	679.9
150°	566.6	586.4	605.3	619.5	626.1	632.7	642.1	649.7	655.3	656.3
152.5°	546.7	565.6	581.7	595.8	602.5	609.1	617.6	625.1	631.7	631.7
155°	527.9	543.9	559.0	571.3	577.0	582.6	591.1	597.7	603.4	603.4
157.5°	508.0	523.1	535.4	546.7	551.5	556.2	563.7	569.4	574.1	573.2
160°	489.1	500.5	511.8	521.2	526.0	529.7	535.4	540.1	544.9	543.9
162.5°	468.4	478.8	488.2	494.8	498.6	501.4	507.1	511.8	514.6	514.6
165°	444.8	454.2	462.7	469.3	473.1	475.0	479.7	482.5	485.4	485.4
167.5°	420.2	427.8	435.3	441.0	444.8	446.6	451.4	453.3	457.0	456.1
170°	395.7	401.3	407.0	411.7	413.6	415.5	419.3	421.2	423.0	423.0
172.5°	375.8	377.7	380.5	384.3	384.3	385.3	387.2	388.1	389.0	389.0
175°	364.5	365.4	365.4	365.4	365.4	365.4	366.4	365.4	366.4	365.4
177.5°	359.8	359.8	358.8	358.8	357.9	358.8	357.9	356.9	356.9	356.0
180°	357.9	357.9	357.9	357.9	357.9	357.9	357.9	357.9	357.9	357.9

(END OF REPORT)