

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: P395425

Luminaire Tested: **I3-CL-50L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395425  
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-50L92765-1D-UNV-W2A-W-4 (2700K)  
Description: CORELITE I3, CLEAR TOP COVER  
5000 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: 3620.0 lumens  
Efficiency: N/A  
Efficacy: 102.3 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

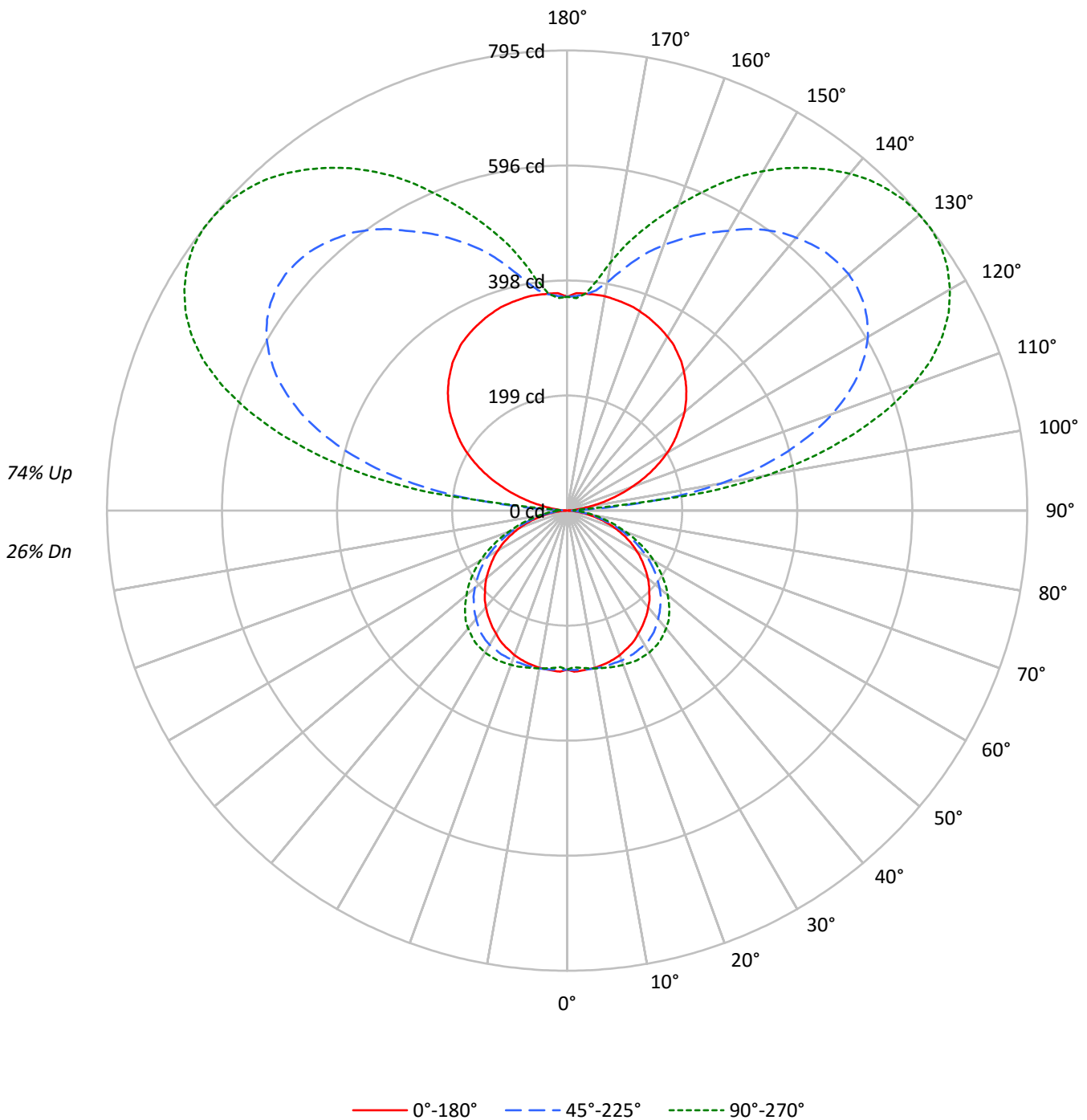
Input Watts (W): 35.4  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P395425

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (2700K)

### Luminous Intensity Polar Plot





TEST NUMBER: P395425

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (2700K)

**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°	1510	1510	1510
5°	1526	1487	1463
10°	1527	1475	1459
15°	1529	1470	1465
20°	1532	1470	1479
25°	1529	1472	1498
30°	1521	1474	1509
35°	1517	1466	1510
40°	1512	1434	1491
45°	1496	1400	1454
50°	1483	1354	1389
55°	1452	1286	1309
60°	1416	1195	1208
65°	1359	1074	1071
70°	1262	914	907
75°	1089	727	729
80°	844	516	533
85°	496	320	358



TEST NUMBER: P395425

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (2700K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.3	0.7
10°-20°	78.1	2.2
20°-30°	125.2	3.5
30°-40°	160.1	4.4
40°-50°	174.6	4.8
50°-60°	163.6	4.5
60°-70°	126.9	3.5
70°-80°	72.7	2.0
80°-90°	23.3	0.6
90°-100°	93.4	2.6
100°-110°	362.9	10.0
110°-120°	494.1	13.6
120°-130°	512.9	14.2
130°-140°	455.0	12.6
140°-150°	353.0	9.8
150°-160°	235.6	6.5
160°-170°	125.6	3.5
170°-180°	36.7	1.0
0°-30°	229.6	6.3
0°-40°	389.7	10.8
0°-60°	727.8	20.1
0°-90°	950.8	26.3
90°-120°	950.4	26.3
90°-150°	2271.3	62.7
90°-180°	2669.0	73.7
0°-180°	3620.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	275	275	275	275	275	
5°	278	275	276	275	273	26
15°	272	271	277	280	280	77
25°	257	259	273	282	285	118
35°	233	238	259	273	278	146
45°	201	209	228	243	249	155
55°	161	170	185	198	202	144
65°	114	119	130	138	141	112
75°	59	62	68	75	77	63
85°	12	14	20	26	27	14
90°	1	3	7	10	12	1
95°	12	66	91	18	18	15
105°	77	233	394	469	513	82
115°	161	360	555	653	716	158
125°	233	424	625	734	790	208
135°	291	446	631	740	784	225
145°	332	446	592	688	723	208
155°	358	422	525	595	622	165
165°	372	388	446	488	501	105
175°	376	374	375	377	377	36
180°	369	369	369	369	369	



TEST NUMBER: P395425

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7
2.5°	278.6	277.6	277.6	275.7	275.7	274.7	274.7	274.7	274.7	274.7	275.7
5°	277.6	277.6	276.7	275.7	275.7	274.7	274.7	274.7	274.7	274.7	275.7
7.5°	276.7	276.7	275.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	276.7
10°	275.7	275.7	274.7	273.7	273.7	273.7	273.7	274.7	274.7	274.7	276.7
12.5°	273.7	272.8	272.8	271.8	271.8	271.8	272.8	272.8	273.7	274.7	276.7
15°	271.8	271.8	270.8	269.8	270.8	270.8	270.8	271.8	272.8	273.7	276.7
17.5°	268.9	268.9	267.9	267.9	267.9	268.9	268.9	269.8	271.8	273.7	275.7
20°	265.9	265.0	265.0	265.0	265.9	265.9	266.9	268.9	269.8	272.8	275.7
22.5°	261.1	262.0	261.1	261.1	262.0	263.0	264.0	265.9	267.9	270.8	273.7
25°	257.2	257.2	257.2	257.2	259.1	259.1	261.1	263.0	265.9	268.9	272.8
27.5°	252.3	252.3	252.3	253.3	254.2	255.2	256.2	259.1	262.0	265.9	269.8
30°	245.5	245.5	245.5	245.5	248.4	249.4	251.3	255.2	258.1	263.0	267.9
32.5°	239.6	239.6	239.6	240.6	242.6	243.5	245.5	250.3	254.2	259.1	264.0
35°	232.8	232.8	233.8	233.8	236.7	237.7	239.6	243.5	247.4	253.3	259.1
37.5°	226.0	226.0	227.0	227.9	229.9	231.8	233.8	237.7	241.6	246.5	252.3
40°	218.2	218.2	219.2	220.2	223.1	225.0	227.0	230.9	234.8	239.6	244.5
42.5°	210.4	210.4	211.4	212.4	215.3	217.2	219.2	224.0	227.9	232.8	236.7
45°	200.7	201.6	202.6	204.6	207.5	209.4	211.4	215.3	220.2	224.0	227.9
47.5°	191.9	192.9	193.9	195.8	198.7	200.7	202.6	206.5	210.4	214.3	219.2
50°	182.2	183.1	184.1	186.1	189.0	190.9	192.9	196.8	200.7	203.6	208.5
52.5°	171.4	172.4	173.4	175.3	179.2	180.2	182.2	186.1	189.0	192.9	196.8
55°	160.7	161.7	162.7	164.6	167.5	169.5	170.5	174.4	177.3	181.2	185.1
57.5°	150.0	151.0	152.0	153.9	155.9	157.8	158.8	161.7	165.6	168.5	172.4
60°	138.3	139.3	140.3	141.2	144.2	145.1	146.1	149.0	152.0	155.9	158.8
62.5°	126.6	126.6	127.6	128.6	131.5	132.5	133.5	135.4	139.3	141.2	144.2
65°	114.0	114.0	114.9	115.9	117.9	118.8	119.8	121.8	124.7	126.6	129.6
67.5°	100.3	100.3	101.3	102.3	104.2	105.2	105.2	108.1	110.1	112.0	114.0
70°	87.7	87.7	88.6	88.6	89.6	90.6	91.6	93.5	94.5	97.4	98.4
72.5°	74.0	74.0	74.0	74.0	76.0	76.0	77.0	78.9	79.9	81.8	83.8
75°	59.4	59.4	60.4	60.4	61.4	62.3	63.3	64.3	66.2	67.2	68.2
77.5°	46.8	45.8	46.8	47.7	48.7	48.7	49.7	50.7	51.6	53.6	54.6
80°	33.1	33.1	33.1	34.1	35.1	35.1	36.0	37.0	38.0	39.9	40.9
82.5°	21.4	21.4	22.4	22.4	23.4	24.4	24.4	25.3	26.3	28.2	29.2
85°	11.7	11.7	11.7	12.7	13.6	13.6	14.6	15.6	17.5	18.5	20.5
87.5°	3.9	3.9	4.9	5.8	6.8	6.8	7.8	8.8	9.7	11.7	12.7
90°	1.0	1.0	1.0	1.9	1.9	2.9	2.9	3.9	4.9	5.8	6.8
92.5°	3.9	6.8	10.7	15.6	14.6	15.6	10.7	6.8	6.8	6.8	7.8
95°	11.7	17.5	28.2	44.8	58.4	66.2	73.1	79.9	93.5	94.5	90.6
97.5°	23.4	32.1	51.6	73.1	97.4	110.1	119.8	140.3	161.7	175.3	191.9
100°	39.0	51.6	77.0	106.2	134.4	151.0	166.6	195.8	222.1	245.5	270.8
102.5°	57.5	72.1	103.3	139.3	174.4	192.9	209.4	243.5	279.6	310.7	338.0
105°	77.0	93.5	130.5	171.4	211.4	232.8	253.3	290.3	328.3	362.4	394.5
107.5°	98.4	115.9	155.9	201.6	246.5	270.8	293.2	333.1	373.1	410.1	444.2
110°	118.8	138.3	180.2	229.9	280.5	304.9	327.3	371.1	413.0	452.0	488.0



TEST NUMBER: P395425

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	140.3	160.7	202.6	257.2	308.8	334.1	357.5	404.3	448.1	488.0	524.1
115°	160.7	180.2	224.0	280.5	333.1	359.5	384.8	432.5	478.3	518.2	555.2
117.5°	180.2	198.7	243.5	300.0	354.6	380.9	406.2	455.9	501.7	543.6	579.6
120°	199.7	216.3	265.0	316.6	372.1	398.4	424.7	474.4	521.2	563.0	600.1
122.5°	217.2	232.8	280.5	331.2	385.8	413.0	438.4	489.0	536.7	578.6	614.7
125°	232.8	247.4	295.2	342.9	397.4	423.7	450.0	499.7	547.5	588.4	625.4
127.5°	248.4	263.0	305.9	354.6	405.2	432.5	457.8	507.5	554.3	596.2	632.2
130°	265.0	275.7	316.6	365.3	413.0	438.4	464.7	512.4	558.2	599.1	635.1
132.5°	278.6	288.3	327.3	374.1	418.9	443.2	466.6	514.3	560.1	599.1	634.2
135°	291.3	299.1	335.1	381.9	423.7	446.1	468.6	513.4	558.2	597.1	631.2
137.5°	303.0	310.7	341.9	387.7	427.6	447.1	468.6	510.4	553.3	592.3	624.4
140°	313.7	319.5	347.8	390.6	429.6	448.1	466.6	505.6	545.5	583.5	615.6
142.5°	324.4	329.3	352.6	392.6	430.6	448.1	465.6	499.7	536.7	573.8	605.9
145°	332.2	337.0	356.5	393.5	429.6	446.1	461.7	493.9	527.0	561.1	592.3
147.5°	340.9	344.8	360.4	391.6	426.7	442.3	456.9	486.1	516.3	547.5	576.7
150°	346.8	350.7	362.4	389.6	421.8	436.4	451.0	478.3	505.6	532.8	558.2
152.5°	352.6	355.6	365.3	386.7	416.0	429.6	443.2	469.5	494.9	519.2	541.6
155°	357.5	360.4	367.2	384.8	409.1	421.8	434.5	459.8	483.2	504.6	525.1
157.5°	362.4	364.3	369.2	381.9	401.3	413.0	424.7	447.1	468.6	490.0	506.5
160°	366.3	367.2	371.1	380.9	394.5	403.3	414.0	434.5	453.9	472.4	488.0
162.5°	370.2	370.2	373.1	378.9	388.7	394.5	402.3	419.8	437.4	453.9	468.6
165°	372.1	372.1	374.1	378.0	383.8	387.7	392.6	404.3	417.9	432.5	446.1
167.5°	374.1	374.1	375.0	377.0	380.9	382.8	384.8	392.6	401.3	412.1	422.8
170°	376.0	375.0	375.0	377.0	378.0	378.9	379.9	383.8	387.7	394.5	400.4
172.5°	376.0	375.0	375.0	376.0	376.0	376.0	376.0	377.0	378.0	381.9	383.8
175°	376.0	375.0	375.0	375.0	375.0	374.1	374.1	374.1	374.1	374.1	375.0
177.5°	376.0	375.0	374.1	374.1	373.1	373.1	372.1	372.1	371.1	371.1	371.1
180°	369.2	369.2	369.2	369.2	369.2	369.2	369.2	369.2	369.2	369.2	369.2



TEST NUMBER: P395425

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7	274.7
2.5°	275.7	275.7	274.7	274.7	273.7	273.7	272.8	271.8	270.8	270.8
5°	276.7	275.7	274.7	274.7	274.7	273.7	273.7	273.7	272.8	272.8
7.5°	276.7	276.7	276.7	275.7	275.7	275.7	275.7	275.7	274.7	274.7
10°	277.6	277.6	277.6	277.6	277.6	277.6	277.6	276.7	276.7	276.7
12.5°	277.6	277.6	277.6	278.6	278.6	278.6	278.6	278.6	278.6	278.6
15°	278.6	278.6	279.6	279.6	280.5	280.5	281.5	281.5	281.5	280.5
17.5°	277.6	278.6	279.6	280.5	281.5	281.5	282.5	282.5	282.5	282.5
20°	277.6	279.6	280.5	281.5	282.5	282.5	283.5	284.4	284.4	283.5
22.5°	276.7	278.6	279.6	281.5	282.5	282.5	284.4	284.4	284.4	284.4
25°	275.7	277.6	279.6	281.5	282.5	282.5	284.4	284.4	285.4	285.4
27.5°	273.7	275.7	278.6	280.5	281.5	282.5	283.5	284.4	284.4	284.4
30°	270.8	273.7	276.7	278.6	279.6	280.5	281.5	282.5	283.5	283.5
32.5°	266.9	269.8	272.8	275.7	276.7	277.6	279.6	280.5	280.5	280.5
35°	263.0	265.9	268.9	271.8	272.8	273.7	275.7	276.7	277.6	277.6
37.5°	257.2	260.1	263.0	265.9	266.9	268.9	270.8	271.8	271.8	271.8
40°	248.4	253.3	257.2	260.1	261.1	263.0	264.0	265.9	265.9	265.9
42.5°	240.6	244.5	247.4	251.3	252.3	255.2	257.2	258.1	259.1	259.1
45°	231.8	235.7	238.7	241.6	242.6	244.5	246.5	247.4	248.4	249.4
47.5°	223.1	226.0	228.9	231.8	232.8	234.8	236.7	237.7	238.7	238.7
50°	212.4	215.3	218.2	221.1	222.1	224.0	225.0	226.0	227.0	227.0
52.5°	200.7	203.6	206.5	209.4	210.4	211.4	213.3	214.3	215.3	215.3
55°	189.0	191.9	193.9	196.8	197.7	198.7	199.7	201.6	202.6	201.6
57.5°	175.3	178.3	180.2	183.1	184.1	185.1	186.1	187.0	188.0	188.0
60°	160.7	163.7	166.6	168.5	169.5	170.5	171.4	172.4	173.4	173.4
62.5°	146.1	149.0	151.0	153.9	154.9	154.9	155.9	156.8	157.8	157.8
65°	131.5	134.4	135.4	138.3	138.3	139.3	140.3	141.2	141.2	141.2
67.5°	115.9	118.8	119.8	121.8	121.8	122.7	123.7	124.7	124.7	124.7
70°	101.3	102.3	104.2	105.2	106.2	106.2	107.2	108.1	109.1	108.1
72.5°	85.7	86.7	88.6	89.6	89.6	90.6	90.6	91.6	92.5	92.5
75°	70.1	72.1	73.1	74.0	75.0	75.0	76.0	77.0	77.0	77.0
77.5°	55.5	57.5	58.4	59.4	60.4	60.4	61.4	61.4	62.3	61.4
80°	42.9	43.8	44.8	45.8	46.8	46.8	47.7	48.7	48.7	48.7
82.5°	31.2	32.1	34.1	35.1	35.1	35.1	37.0	37.0	38.0	37.0
85°	21.4	22.4	24.4	25.3	26.3	26.3	26.3	27.3	28.2	27.3
87.5°	13.6	15.6	16.6	17.5	17.5	17.5	18.5	19.5	19.5	19.5
90°	7.8	7.8	8.8	9.7	9.7	10.7	10.7	11.7	11.7	11.7
92.5°	7.8	8.8	8.8	8.8	9.7	9.7	9.7	10.7	10.7	10.7
95°	66.2	47.7	27.3	21.4	18.5	18.5	17.5	18.5	17.5	17.5
97.5°	200.7	217.2	225.0	235.7	241.6	240.6	236.7	240.6	237.7	240.6
100°	285.4	301.0	312.7	315.6	321.5	324.4	335.1	342.9	346.8	351.7
102.5°	354.6	373.1	386.7	394.5	400.4	404.3	416.9	428.6	434.5	438.4
105°	417.9	437.4	453.9	461.7	468.6	472.4	486.1	499.7	508.5	513.4
107.5°	468.6	491.0	508.5	520.2	527.0	533.8	550.4	564.0	574.7	579.6
110°	514.3	536.7	555.2	568.9	576.7	583.5	602.0	617.6	629.3	635.1





TEST NUMBER: P395425

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	552.3	576.7	595.2	609.8	617.6	627.3	644.9	662.4	674.1	680.9
115°	583.5	608.8	628.3	643.9	652.7	661.4	681.9	699.4	711.1	716.0
117.5°	609.8	635.1	655.6	671.2	680.9	690.7	711.1	726.7	739.4	743.3
120°	631.2	656.6	677.0	694.5	704.3	713.1	732.5	749.1	760.8	763.7
122.5°	645.8	672.1	693.6	713.1	721.8	730.6	749.1	765.7	776.4	779.3
125°	656.6	683.8	705.3	725.7	734.5	743.3	760.8	777.3	786.1	790.0
127.5°	663.4	690.7	714.0	733.5	743.3	751.0	768.6	783.2	792.0	794.9
130°	665.3	693.6	717.0	737.4	746.2	754.0	770.5	785.1	792.9	794.9
132.5°	665.3	692.6	717.0	736.4	745.2	753.0	768.6	782.2	790.0	792.0
135°	661.4	687.7	712.1	731.6	740.3	748.1	763.7	775.4	783.2	784.2
137.5°	654.6	679.9	703.3	722.8	731.6	739.4	753.0	765.7	772.5	774.4
140°	645.8	669.2	692.6	711.1	719.9	726.7	740.3	751.0	757.9	759.8
142.5°	634.2	657.5	679.0	697.5	704.3	712.1	723.8	734.5	740.3	742.3
145°	621.5	643.9	663.4	679.9	687.7	694.5	705.3	715.0	720.9	722.8
147.5°	604.9	627.3	645.8	661.4	668.2	675.1	684.8	693.6	699.4	701.4
150°	584.5	604.9	624.4	639.0	645.8	652.7	662.4	670.2	676.0	677.0
152.5°	564.0	583.5	600.1	614.7	621.5	628.3	637.1	644.9	651.7	651.7
155°	544.5	561.1	576.7	589.3	595.2	601.0	609.8	616.6	622.5	622.5
157.5°	524.1	539.7	552.3	564.0	568.9	573.8	581.6	587.4	592.3	591.3
160°	504.6	516.3	528.0	537.7	542.6	546.5	552.3	557.2	562.1	561.1
162.5°	483.2	493.9	503.6	510.4	514.3	517.3	523.1	528.0	530.9	530.9
165°	458.8	468.6	477.3	484.1	488.0	490.0	494.9	497.8	500.7	500.7
167.5°	433.5	441.3	449.1	454.9	458.8	460.8	465.6	467.6	471.5	470.5
170°	408.2	414.0	419.8	424.7	426.7	428.6	432.5	434.5	436.4	436.4
172.5°	387.7	389.6	392.6	396.5	396.5	397.4	399.4	400.4	401.3	401.3
175°	376.0	377.0	377.0	377.0	377.0	377.0	378.0	377.0	378.0	377.0
177.5°	371.1	371.1	370.2	370.2	369.2	370.2	369.2	368.2	368.2	367.2
180°	369.2	369.2	369.2	369.2	369.2	369.2	369.2	369.2	369.2	369.2

(END OF REPORT)