

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: P395428

Luminaire Tested: **I3-CL-50L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395428
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 (4000K)
Description: CORELITE I3, CLEAR TOP COVER
5000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4077.1 lumens
Efficiency: N/A
Efficacy: 113.6 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

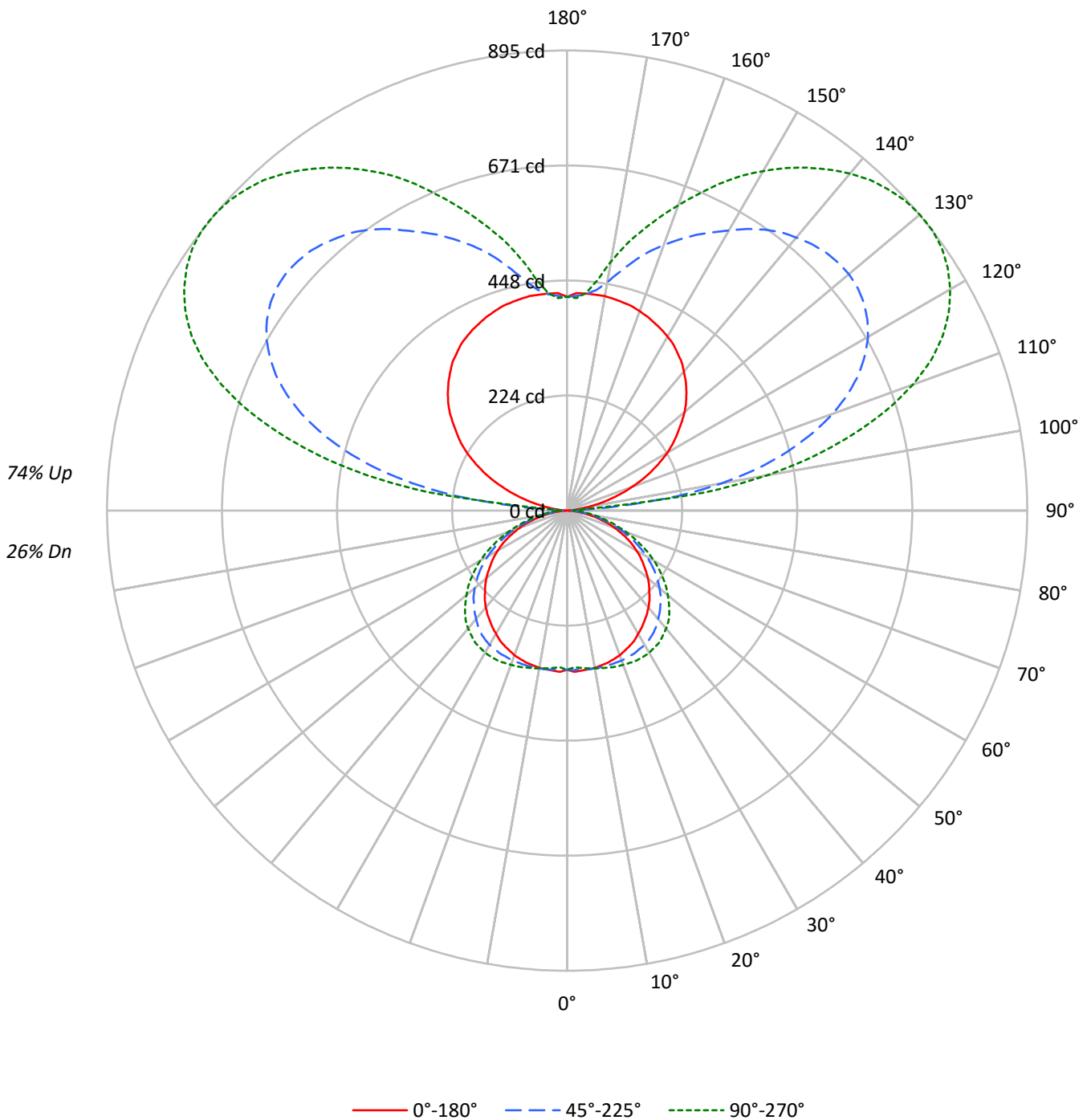
Input Watts (W): 35.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (4000K)

Luminous Intensity Polar Plot





TEST NUMBER: P395428

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (4000K)

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°	1701	1701	1701
5°	1719	1674	1647
10°	1720	1661	1643
15°	1722	1655	1651
20°	1725	1656	1666
25°	1722	1658	1687
30°	1713	1660	1699
35°	1708	1651	1701
40°	1703	1616	1679
45°	1685	1576	1638
50°	1670	1525	1564
55°	1635	1448	1474
60°	1595	1346	1361
65°	1530	1209	1207
70°	1420	1029	1022
75°	1226	819	821
80°	951	582	601
85°	560	359	403



TEST NUMBER: P395428

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (4000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.6	0.7
10°-20°	87.9	2.2
20°-30°	141.0	3.5
30°-40°	180.3	4.4
40°-50°	196.6	4.8
50°-60°	184.2	4.5
60°-70°	142.9	3.5
70°-80°	81.9	2.0
80°-90°	26.2	0.6
90°-100°	105.2	2.6
100°-110°	408.8	10.0
110°-120°	556.5	13.6
120°-130°	577.7	14.2
130°-140°	512.4	12.6
140°-150°	397.6	9.8
150°-160°	265.3	6.5
160°-170°	141.4	3.5
170°-180°	41.4	1.0
0°-30°	258.6	6.3
0°-40°	438.9	10.8
0°-60°	819.8	20.1
0°-90°	1070.8	26.3
90°-120°	1070.4	26.3
90°-150°	2558.1	62.7
90°-180°	3006.0	73.7
0°-180°	4077.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	309	309	309	309	309	
5°	313	309	310	309	307	30
15°	306	305	312	316	316	86
25°	290	292	307	318	322	133
35°	262	268	292	307	313	164
45°	226	236	257	273	281	175
55°	181	191	208	223	227	162
65°	128	134	146	156	159	127
75°	67	70	77	84	87	71
85°	13	15	23	30	31	16
90°	1	3	8	11	13	2
95°	13	75	102	21	20	17
105°	87	262	444	528	578	92
115°	181	405	625	735	806	178
125°	262	477	704	827	890	235
135°	328	502	711	834	883	253
145°	374	502	667	775	814	234
155°	403	475	591	670	701	186
165°	419	437	502	550	564	119
175°	424	421	422	425	425	40
180°	416	416	416	416	416	



TEST NUMBER: P395428

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	309.4	309.4	309.4	309.4	309.4	309.4	309.4	309.4	309.4	309.4	309.4
2.5°	313.8	312.7	312.7	310.5	310.5	309.4	309.4	309.4	309.4	309.4	310.5
5°	312.7	312.7	311.6	310.5	310.5	309.4	309.4	309.4	309.4	309.4	310.5
7.5°	311.6	311.6	310.5	309.4	309.4	309.4	309.4	309.4	309.4	309.4	311.6
10°	310.5	310.5	309.4	308.3	308.3	308.3	308.3	309.4	309.4	309.4	311.6
12.5°	308.3	307.2	307.2	306.1	306.1	306.1	307.2	307.2	308.3	309.4	311.6
15°	306.1	306.1	305.0	303.9	305.0	305.0	305.0	306.1	307.2	308.3	311.6
17.5°	302.8	302.8	301.7	301.7	301.7	302.8	302.8	303.9	306.1	308.3	310.5
20°	299.5	298.4	298.4	298.4	299.5	299.5	300.6	302.8	303.9	307.2	310.5
22.5°	294.0	295.1	294.0	294.0	295.1	296.2	297.3	299.5	301.7	305.0	308.3
25°	289.6	289.6	289.6	289.6	291.8	291.8	294.0	296.2	299.5	302.8	307.2
27.5°	284.2	284.2	284.2	285.3	286.4	287.4	288.5	291.8	295.1	299.5	303.9
30°	276.5	276.5	276.5	276.5	279.8	280.9	283.1	287.4	290.7	296.2	301.7
32.5°	269.9	269.9	269.9	271.0	273.2	274.3	276.5	282.0	286.4	291.8	297.3
35°	262.2	262.2	263.3	263.3	266.6	267.7	269.9	274.3	278.7	285.3	291.8
37.5°	254.5	254.5	255.6	256.7	258.9	261.1	263.3	267.7	272.1	277.6	284.2
40°	245.8	245.8	246.9	248.0	251.2	253.4	255.6	260.0	264.4	269.9	275.4
42.5°	237.0	237.0	238.1	239.2	242.5	244.7	246.9	252.3	256.7	262.2	266.6
45°	226.0	227.1	228.2	230.4	233.7	235.9	238.1	242.5	248.0	252.3	256.7
47.5°	216.1	217.2	218.3	220.5	223.8	226.0	228.2	232.6	237.0	241.4	246.9
50°	205.2	206.3	207.4	209.6	212.8	215.0	217.2	221.6	226.0	229.3	234.8
52.5°	193.1	194.2	195.3	197.5	201.9	203.0	205.2	209.6	212.8	217.2	221.6
55°	181.0	182.1	183.2	185.4	188.7	190.9	192.0	196.4	199.7	204.1	208.5
57.5°	169.0	170.1	171.2	173.3	175.5	177.7	178.8	182.1	186.5	189.8	194.2
60°	155.8	156.9	158.0	159.1	162.4	163.5	164.6	167.9	171.2	175.5	178.8
62.5°	142.6	142.6	143.7	144.8	148.1	149.2	150.3	152.5	156.9	159.1	162.4
65°	128.4	128.4	129.5	130.6	132.8	133.8	134.9	137.1	140.4	142.6	145.9
67.5°	113.0	113.0	114.1	115.2	117.4	118.5	118.5	121.8	124.0	126.2	128.4
70°	98.7	98.7	99.8	99.8	100.9	102.0	103.1	105.3	106.4	109.7	110.8
72.5°	83.4	83.4	83.4	83.4	85.6	85.6	86.7	88.9	90.0	92.2	94.4
75°	66.9	66.9	68.0	68.0	69.1	70.2	71.3	72.4	74.6	75.7	76.8
77.5°	52.7	51.6	52.7	53.8	54.9	54.9	56.0	57.1	58.1	60.3	61.4
80°	37.3	37.3	37.3	38.4	39.5	39.5	40.6	41.7	42.8	45.0	46.1
82.5°	24.1	24.1	25.2	25.2	26.3	27.4	27.4	28.5	29.6	31.8	32.9
85°	13.2	13.2	13.2	14.3	15.4	15.4	16.5	17.6	19.7	20.8	23.0
87.5°	4.4	4.4	5.5	6.6	7.7	7.7	8.8	9.9	11.0	13.2	14.3
90°	1.1	1.1	1.1	2.2	2.2	3.3	3.3	4.4	5.5	6.6	7.7
92.5°	4.4	7.7	12.1	17.6	16.5	17.6	12.1	7.7	7.7	7.7	8.8
95°	13.2	19.7	31.8	50.5	65.8	74.6	82.3	90.0	105.3	106.4	102.0
97.5°	26.3	36.2	58.1	82.3	109.7	124.0	134.9	158.0	182.1	197.5	216.1
100°	43.9	58.1	86.7	119.6	151.4	170.1	187.6	220.5	250.1	276.5	305.0
102.5°	64.7	81.2	116.3	156.9	196.4	217.2	235.9	274.3	314.9	350.0	380.7
105°	86.7	105.3	147.0	193.1	238.1	262.2	285.3	326.9	369.7	408.1	444.3
107.5°	110.8	130.6	175.5	227.1	277.6	305.0	330.2	375.2	420.2	461.9	500.3
110°	133.8	155.8	203.0	258.9	316.0	343.4	368.6	418.0	465.2	509.1	549.7



TEST NUMBER: P395428

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	158.0	181.0	228.2	289.6	347.8	376.3	402.6	455.3	504.7	549.7	590.3
115°	181.0	203.0	252.3	316.0	375.2	404.8	433.4	487.1	538.7	583.7	625.4
117.5°	203.0	223.8	274.3	337.9	399.4	429.0	457.5	513.5	565.0	612.2	652.8
120°	224.9	243.6	298.4	356.6	419.1	448.7	478.3	534.3	587.0	634.1	675.8
122.5°	244.7	262.2	316.0	373.0	434.5	465.2	493.7	550.8	604.5	651.7	692.3
125°	262.2	278.7	332.4	386.2	447.6	477.3	506.9	562.8	616.6	662.7	704.4
127.5°	279.8	296.2	344.5	399.4	456.4	487.1	515.7	571.6	624.3	671.4	712.0
130°	298.4	310.5	356.6	411.4	465.2	493.7	523.3	577.1	628.7	674.7	715.3
132.5°	313.8	324.8	368.6	421.3	471.8	499.2	525.5	579.3	630.8	674.7	714.2
135°	328.0	336.8	377.4	430.1	477.3	502.5	527.7	578.2	628.7	672.5	710.9
137.5°	341.2	350.0	385.1	436.7	481.6	503.6	527.7	574.9	623.2	667.1	703.3
140°	353.3	359.9	391.7	439.9	483.8	504.7	525.5	569.4	614.4	657.2	693.4
142.5°	365.3	370.8	397.2	442.1	484.9	504.7	524.4	562.8	604.5	646.2	682.4
145°	374.1	379.6	401.5	443.2	483.8	502.5	520.0	556.2	593.5	631.9	667.1
147.5°	384.0	388.4	405.9	441.0	480.5	498.1	514.6	547.5	581.5	616.6	649.5
150°	390.6	395.0	408.1	438.9	475.1	491.5	508.0	538.7	569.4	600.1	628.7
152.5°	397.2	400.5	411.4	435.6	468.5	483.8	499.2	528.8	557.3	584.8	610.0
155°	402.6	405.9	413.6	433.4	460.8	475.1	489.3	517.8	544.2	568.3	591.4
157.5°	408.1	410.3	415.8	430.1	452.0	465.2	478.3	503.6	527.7	551.9	570.5
160°	412.5	413.6	418.0	429.0	444.3	454.2	466.3	489.3	511.3	532.1	549.7
162.5°	416.9	416.9	420.2	426.8	437.8	444.3	453.1	472.9	492.6	511.3	527.7
165°	419.1	419.1	421.3	425.7	432.3	436.7	442.1	455.3	470.7	487.1	502.5
167.5°	421.3	421.3	422.4	424.6	429.0	431.2	433.4	442.1	452.0	464.1	476.2
170°	423.5	422.4	422.4	424.6	425.7	426.8	427.9	432.3	436.7	444.3	450.9
172.5°	423.5	422.4	422.4	423.5	423.5	423.5	423.5	424.6	425.7	430.1	432.3
175°	423.5	422.4	422.4	422.4	422.4	421.3	421.3	421.3	421.3	421.3	422.4
177.5°	423.5	422.4	421.3	421.3	420.2	420.2	419.1	419.1	418.0	418.0	418.0
180°	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8



TEST NUMBER: P395428

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	309.4	309.4	309.4	309.4	309.4	309.4	309.4	309.4	309.4	309.4
2.5°	310.5	310.5	309.4	309.4	308.3	308.3	307.2	306.1	305.0	305.0
5°	311.6	310.5	309.4	309.4	309.4	308.3	308.3	308.3	307.2	307.2
7.5°	311.6	311.6	311.6	310.5	310.5	310.5	310.5	310.5	309.4	309.4
10°	312.7	312.7	312.7	312.7	312.7	312.7	312.7	311.6	311.6	311.6
12.5°	312.7	312.7	312.7	313.8	313.8	313.8	313.8	313.8	313.8	313.8
15°	313.8	313.8	314.9	314.9	316.0	316.0	317.1	317.1	317.1	316.0
17.5°	312.7	313.8	314.9	316.0	317.1	317.1	318.2	318.2	318.2	318.2
20°	312.7	314.9	316.0	317.1	318.2	318.2	319.3	320.4	320.4	319.3
22.5°	311.6	313.8	314.9	317.1	318.2	318.2	320.4	320.4	320.4	320.4
25°	310.5	312.7	314.9	317.1	318.2	318.2	320.4	320.4	321.5	321.5
27.5°	308.3	310.5	313.8	316.0	317.1	318.2	319.3	320.4	320.4	320.4
30°	305.0	308.3	311.6	313.8	314.9	316.0	317.1	318.2	319.3	319.3
32.5°	300.6	303.9	307.2	310.5	311.6	312.7	314.9	316.0	316.0	316.0
35°	296.2	299.5	302.8	306.1	307.2	308.3	310.5	311.6	312.7	312.7
37.5°	289.6	292.9	296.2	299.5	300.6	302.8	305.0	306.1	306.1	306.1
40°	279.8	285.3	289.6	292.9	294.0	296.2	297.3	299.5	299.5	299.5
42.5°	271.0	275.4	278.7	283.1	284.2	287.4	289.6	290.7	291.8	291.8
45°	261.1	265.5	268.8	272.1	273.2	275.4	277.6	278.7	279.8	280.9
47.5°	251.2	254.5	257.8	261.1	262.2	264.4	266.6	267.7	268.8	268.8
50°	239.2	242.5	245.8	249.0	250.1	252.3	253.4	254.5	255.6	255.6
52.5°	226.0	229.3	232.6	235.9	237.0	238.1	240.3	241.4	242.5	242.5
55°	212.8	216.1	218.3	221.6	222.7	223.8	224.9	227.1	228.2	227.1
57.5°	197.5	200.8	203.0	206.3	207.4	208.5	209.6	210.6	211.7	211.7
60°	181.0	184.3	187.6	189.8	190.9	192.0	193.1	194.2	195.3	195.3
62.5°	164.6	167.9	170.1	173.3	174.4	174.4	175.5	176.6	177.7	177.7
65°	148.1	151.4	152.5	155.8	155.8	156.9	158.0	159.1	159.1	159.1
67.5°	130.6	133.8	134.9	137.1	137.1	138.2	139.3	140.4	140.4	140.4
70°	114.1	115.2	117.4	118.5	119.6	119.6	120.7	121.8	122.9	121.8
72.5°	96.5	97.6	99.8	100.9	100.9	102.0	102.0	103.1	104.2	104.2
75°	79.0	81.2	82.3	83.4	84.5	84.5	85.6	86.7	86.7	86.7
77.5°	62.5	64.7	65.8	66.9	68.0	68.0	69.1	69.1	70.2	69.1
80°	48.3	49.4	50.5	51.6	52.7	52.7	53.8	54.9	54.9	54.9
82.5°	35.1	36.2	38.4	39.5	39.5	39.5	41.7	41.7	42.8	41.7
85°	24.1	25.2	27.4	28.5	29.6	29.6	29.6	30.7	31.8	30.7
87.5°	15.4	17.6	18.7	19.7	19.7	19.7	20.8	21.9	21.9	21.9
90°	8.8	8.8	9.9	11.0	11.0	12.1	12.1	13.2	13.2	13.2
92.5°	8.8	9.9	9.9	9.9	11.0	11.0	11.0	12.1	12.1	12.1
95°	74.6	53.8	30.7	24.1	20.8	20.8	19.7	20.8	19.7	19.7
97.5°	226.0	244.7	253.4	265.5	272.1	271.0	266.6	271.0	267.7	271.0
100°	321.5	339.0	352.2	355.5	362.1	365.3	377.4	386.2	390.6	396.1
102.5°	399.4	420.2	435.6	444.3	450.9	455.3	469.6	482.7	489.3	493.7
105°	470.7	492.6	511.3	520.0	527.7	532.1	547.5	562.8	572.7	578.2
107.5°	527.7	553.0	572.7	585.9	593.5	601.2	619.9	635.2	647.3	652.8
110°	579.3	604.5	625.4	640.7	649.5	657.2	678.0	695.6	708.7	715.3



TEST NUMBER: P395428

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	622.1	649.5	670.3	686.8	695.6	706.6	726.3	746.0	759.2	766.9
115°	657.2	685.7	707.6	725.2	735.1	745.0	768.0	787.7	800.9	806.4
117.5°	686.8	715.3	738.4	755.9	766.9	777.9	800.9	818.5	832.7	837.1
120°	710.9	739.5	762.5	782.3	793.2	803.1	825.0	843.7	856.9	860.2
122.5°	727.4	757.0	781.2	803.1	813.0	822.8	843.7	862.3	874.4	877.7
125°	739.5	770.2	794.3	817.4	827.2	837.1	856.9	875.5	885.4	889.8
127.5°	747.1	777.9	804.2	826.1	837.1	845.9	865.6	882.1	892.0	895.3
130°	749.3	781.2	807.5	830.5	840.4	849.2	867.8	884.3	893.1	895.3
132.5°	749.3	780.1	807.5	829.4	839.3	848.1	865.6	881.0	889.8	892.0
135°	745.0	774.6	802.0	823.9	833.8	842.6	860.2	873.3	882.1	883.2
137.5°	737.3	765.8	792.1	814.1	823.9	832.7	848.1	862.3	870.0	872.2
140°	727.4	753.7	780.1	800.9	810.8	818.5	833.8	845.9	853.6	855.8
142.5°	714.2	740.6	764.7	785.5	793.2	802.0	815.2	827.2	833.8	836.0
145°	700.0	725.2	747.1	765.8	774.6	782.3	794.3	805.3	811.9	814.1
147.5°	681.3	706.6	727.4	745.0	752.6	760.3	771.3	781.2	787.7	789.9
150°	658.3	681.3	703.3	719.7	727.4	735.1	746.0	754.8	761.4	762.5
152.5°	635.2	657.2	675.8	692.3	700.0	707.6	717.5	726.3	734.0	734.0
155°	613.3	631.9	649.5	663.8	670.3	676.9	686.8	694.5	701.1	701.1
157.5°	590.3	607.8	622.1	635.2	640.7	646.2	655.0	661.6	667.1	666.0
160°	568.3	581.5	594.6	605.6	611.1	615.5	622.1	627.6	633.0	631.9
162.5°	544.2	556.2	567.2	574.9	579.3	582.6	589.2	594.6	597.9	597.9
165°	516.7	527.7	537.6	545.3	549.7	551.9	557.3	560.6	563.9	563.9
167.5°	488.2	497.0	505.8	512.4	516.7	518.9	524.4	526.6	531.0	529.9
170°	459.7	466.3	472.9	478.3	480.5	482.7	487.1	489.3	491.5	491.5
172.5°	436.7	438.9	442.1	446.5	446.5	447.6	449.8	450.9	452.0	452.0
175°	423.5	424.6	424.6	424.6	424.6	424.6	425.7	424.6	425.7	424.6
177.5°	418.0	418.0	416.9	416.9	415.8	416.9	415.8	414.7	414.7	413.6
180°	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8

(END OF REPORT)