

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: P395432

Luminaire Tested: **I3-CL-50L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395432
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 (6500K)
Description: CORELITE I3, CLEAR TOP COVER
5000 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: 4381.9 lumens
Efficiency: N/A
Efficacy: 117.8 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

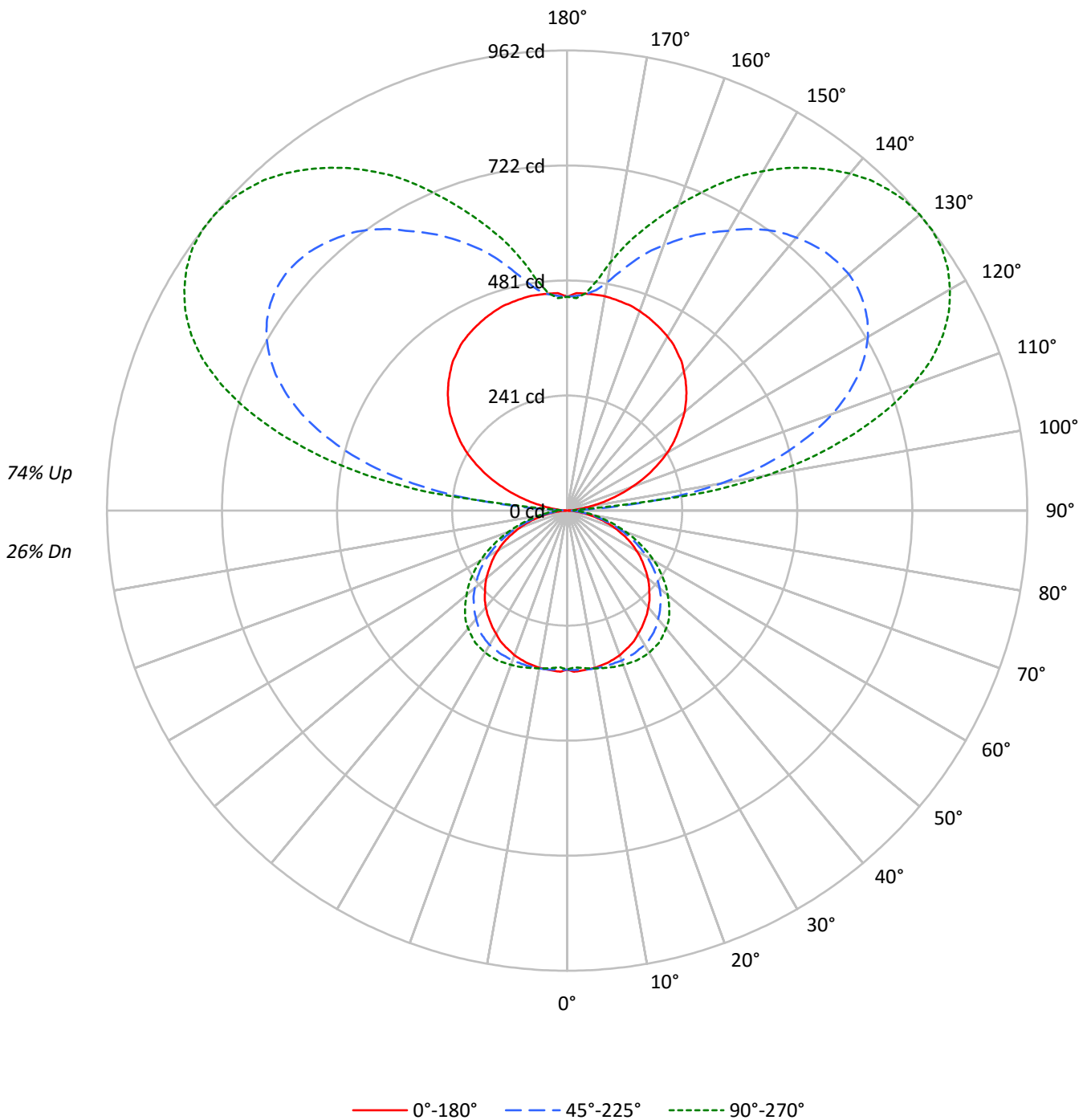
Input Watts (W): 37.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395432

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (6500K)

Luminous Intensity Polar Plot





TEST NUMBER: P395432

CATALOG NUMBER: I3-CL-50L92765-1D-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°	1828	1828	1828
5°	1848	1799	1770
10°	1849	1785	1765
15°	1851	1779	1774
20°	1854	1780	1790
25°	1851	1782	1813
30°	1840	1784	1826
35°	1836	1775	1828
40°	1830	1737	1805
45°	1811	1694	1760
50°	1794	1638	1681
55°	1758	1556	1585
60°	1714	1447	1463
65°	1645	1299	1297
70°	1527	1106	1098
75°	1318	880	882
80°	1023	625	646
85°	598	387	433



TEST NUMBER: P395432

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (6500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.8	0.7
10°-20°	94.5	2.2
20°-30°	151.5	3.5
30°-40°	193.8	4.4
40°-50°	211.3	4.8
50°-60°	198.0	4.5
60°-70°	153.6	3.5
70°-80°	88.1	2.0
80°-90°	28.1	0.6
90°-100°	113.0	2.6
100°-110°	439.3	10.0
110°-120°	598.1	13.6
120°-130°	620.9	14.2
130°-140°	550.7	12.6
140°-150°	427.3	9.8
150°-160°	285.2	6.5
160°-170°	152.0	3.5
170°-180°	44.5	1.0
0°-30°	277.9	6.3
0°-40°	471.7	10.8
0°-60°	881.0	20.1
0°-90°	1150.9	26.3
90°-120°	1150.5	26.3
90°-150°	2749.3	62.7
90°-180°	3231.0	73.7
0°-180°	4381.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	332	332	332	332	332	
5°	336	332	334	332	330	32
15°	329	328	335	340	340	93
25°	311	314	330	342	346	143
35°	282	288	314	330	336	176
45°	243	254	276	294	302	188
55°	195	205	224	239	244	174
65°	138	144	157	167	171	136
75°	72	76	82	91	93	77
85°	14	16	25	32	33	17
90°	1	4	8	12	14	2
95°	14	80	110	22	21	19
105°	93	282	478	567	621	99
115°	195	435	672	790	867	192
125°	282	513	757	889	956	252
135°	353	540	764	896	949	272
145°	402	540	717	832	875	252
155°	433	511	636	720	754	200
165°	450	469	540	591	606	127
175°	455	453	454	456	456	43
180°	447	447	447	447	447	



TEST NUMBER: P395432

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5
2.5°	337.2	336.1	336.1	333.7	333.7	332.5	332.5	332.5	332.5	332.5	333.7
5°	336.1	336.1	334.9	333.7	333.7	332.5	332.5	332.5	332.5	332.5	333.7
7.5°	334.9	334.9	333.7	332.5	332.5	332.5	332.5	332.5	332.5	332.5	334.9
10°	333.7	333.7	332.5	331.3	331.3	331.3	331.3	332.5	332.5	332.5	334.9
12.5°	331.3	330.2	330.2	329.0	329.0	329.0	330.2	330.2	331.3	332.5	334.9
15°	329.0	329.0	327.8	326.6	327.8	327.8	327.8	329.0	330.2	331.3	334.9
17.5°	325.4	325.4	324.3	324.3	324.3	325.4	325.4	326.6	329.0	331.3	333.7
20°	321.9	320.7	320.7	320.7	321.9	321.9	323.1	325.4	326.6	330.2	333.7
22.5°	316.0	317.2	316.0	316.0	317.2	318.4	319.5	321.9	324.3	327.8	331.3
25°	311.3	311.3	311.3	311.3	313.7	313.7	316.0	318.4	321.9	325.4	330.2
27.5°	305.4	305.4	305.4	306.6	307.8	308.9	310.1	313.7	317.2	321.9	326.6
30°	297.1	297.1	297.1	297.1	300.7	301.9	304.2	308.9	312.5	318.4	324.3
32.5°	290.1	290.1	290.1	291.2	293.6	294.8	297.1	303.0	307.8	313.7	319.5
35°	281.8	281.8	283.0	283.0	286.5	287.7	290.1	294.8	299.5	306.6	313.7
37.5°	273.6	273.6	274.7	275.9	278.3	280.6	283.0	287.7	292.4	298.3	305.4
40°	264.1	264.1	265.3	266.5	270.0	272.4	274.7	279.5	284.2	290.1	296.0
42.5°	254.7	254.7	255.9	257.1	260.6	262.9	265.3	271.2	275.9	281.8	286.5
45°	242.9	244.1	245.3	247.6	251.2	253.5	255.9	260.6	266.5	271.2	275.9
47.5°	232.3	233.5	234.6	237.0	240.5	242.9	245.3	250.0	254.7	259.4	265.3
50°	220.5	221.7	222.9	225.2	228.8	231.1	233.5	238.2	242.9	246.4	252.3
52.5°	207.5	208.7	209.9	212.2	217.0	218.1	220.5	225.2	228.8	233.5	238.2
55°	194.6	195.7	196.9	199.3	202.8	205.2	206.3	211.1	214.6	219.3	224.0
57.5°	181.6	182.8	183.9	186.3	188.7	191.0	192.2	195.7	200.5	204.0	208.7
60°	167.4	168.6	169.8	171.0	174.5	175.7	176.9	180.4	183.9	188.7	192.2
62.5°	153.3	153.3	154.5	155.6	159.2	160.4	161.5	163.9	168.6	171.0	174.5
65°	138.0	138.0	139.1	140.3	142.7	143.9	145.0	147.4	150.9	153.3	156.8
67.5°	121.5	121.5	122.6	123.8	126.2	127.3	127.3	130.9	133.2	135.6	138.0
70°	106.1	106.1	107.3	107.3	108.5	109.7	110.8	113.2	114.4	117.9	119.1
72.5°	89.6	89.6	89.6	89.6	92.0	92.0	93.2	95.5	96.7	99.0	101.4
75°	71.9	71.9	73.1	73.1	74.3	75.5	76.6	77.8	80.2	81.4	82.5
77.5°	56.6	55.4	56.6	57.8	59.0	59.0	60.1	61.3	62.5	64.9	66.0
80°	40.1	40.1	40.1	41.3	42.4	42.4	43.6	44.8	46.0	48.3	49.5
82.5°	25.9	25.9	27.1	27.1	28.3	29.5	29.5	30.7	31.8	34.2	35.4
85°	14.1	14.1	14.1	15.3	16.5	16.5	17.7	18.9	21.2	22.4	24.8
87.5°	4.7	4.7	5.9	7.1	8.3	8.3	9.4	10.6	11.8	14.1	15.3
90°	1.2	1.2	1.2	2.4	2.4	3.5	3.5	4.7	5.9	7.1	8.3
92.5°	4.7	8.3	13.0	18.9	17.7	18.9	13.0	8.3	8.3	8.3	9.4
95°	14.1	21.2	34.2	54.2	70.7	80.2	88.4	96.7	113.2	114.4	109.7
97.5°	28.3	38.9	62.5	88.4	117.9	133.2	145.0	169.8	195.7	212.2	232.3
100°	47.2	62.5	93.2	128.5	162.7	182.8	201.6	237.0	268.8	297.1	327.8
102.5°	69.6	87.3	125.0	168.6	211.1	233.5	253.5	294.8	338.4	376.1	409.2
105°	93.2	113.2	158.0	207.5	255.9	281.8	306.6	351.4	397.4	438.6	477.5
107.5°	119.1	140.3	188.7	244.1	298.3	327.8	354.9	403.3	451.6	496.4	537.7
110°	143.9	167.4	218.1	278.3	339.6	369.1	396.2	449.3	500.0	547.1	590.7



TEST NUMBER: P395432

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	169.8	194.6	245.3	311.3	373.8	404.4	432.7	489.3	542.4	590.7	634.4
115°	194.6	218.1	271.2	339.6	403.3	435.1	465.8	523.5	579.0	627.3	672.1
117.5°	218.1	240.5	294.8	363.2	429.2	461.0	491.7	551.8	607.3	658.0	701.6
120°	241.7	261.8	320.7	383.2	450.4	482.3	514.1	574.2	630.8	681.5	726.3
122.5°	262.9	281.8	339.6	400.9	466.9	500.0	530.6	591.9	649.7	700.4	744.0
125°	281.8	299.5	357.3	415.1	481.1	512.9	544.8	604.9	662.7	712.2	757.0
127.5°	300.7	318.4	370.2	429.2	490.5	523.5	554.2	614.3	670.9	721.6	765.3
130°	320.7	333.7	383.2	442.2	500.0	530.6	562.4	620.2	675.6	725.2	768.8
132.5°	337.2	349.0	396.2	452.8	507.0	536.5	564.8	622.6	678.0	725.2	767.6
135°	352.6	362.0	405.6	462.2	512.9	540.0	567.2	621.4	675.6	722.8	764.1
137.5°	366.7	376.1	413.9	469.3	517.6	541.2	567.2	617.9	669.7	716.9	755.8
140°	379.7	386.8	421.0	472.8	520.0	542.4	564.8	612.0	660.3	706.3	745.2
142.5°	392.7	398.5	426.8	475.2	521.2	542.4	563.6	604.9	649.7	694.5	733.4
145°	402.1	408.0	431.6	476.4	520.0	540.0	558.9	597.8	637.9	679.2	716.9
147.5°	412.7	417.4	436.3	474.0	516.5	535.3	553.0	588.4	624.9	662.7	698.0
150°	419.8	424.5	438.6	471.7	510.6	528.3	545.9	579.0	612.0	645.0	675.6
152.5°	426.8	430.4	442.2	468.1	503.5	520.0	536.5	568.3	599.0	628.5	655.6
155°	432.7	436.3	444.5	465.8	495.2	510.6	525.9	556.6	584.9	610.8	635.6
157.5°	438.6	441.0	446.9	462.2	485.8	500.0	514.1	541.2	567.2	593.1	613.2
160°	443.4	444.5	449.3	461.0	477.5	488.2	501.1	525.9	549.5	571.9	590.7
162.5°	448.1	448.1	451.6	458.7	470.5	477.5	487.0	508.2	529.4	549.5	567.2
165°	450.4	450.4	452.8	457.5	464.6	469.3	475.2	489.3	505.8	523.5	540.0
167.5°	452.8	452.8	454.0	456.3	461.0	463.4	465.8	475.2	485.8	498.8	511.7
170°	455.1	454.0	454.0	456.3	457.5	458.7	459.9	464.6	469.3	477.5	484.6
172.5°	455.1	454.0	454.0	455.1	455.1	455.1	455.1	456.3	457.5	462.2	464.6
175°	455.1	454.0	454.0	454.0	454.0	452.8	452.8	452.8	452.8	452.8	454.0
177.5°	455.1	454.0	452.8	452.8	451.6	451.6	450.4	450.4	449.3	449.3	449.3
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P395432

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5
2.5°	333.7	333.7	332.5	332.5	331.3	331.3	330.2	329.0	327.8	327.8
5°	334.9	333.7	332.5	332.5	332.5	331.3	331.3	331.3	330.2	330.2
7.5°	334.9	334.9	334.9	333.7	333.7	333.7	333.7	333.7	332.5	332.5
10°	336.1	336.1	336.1	336.1	336.1	336.1	336.1	334.9	334.9	334.9
12.5°	336.1	336.1	336.1	337.2	337.2	337.2	337.2	337.2	337.2	337.2
15°	337.2	337.2	338.4	338.4	339.6	339.6	340.8	340.8	340.8	339.6
17.5°	336.1	337.2	338.4	339.6	340.8	340.8	341.9	341.9	341.9	341.9
20°	336.1	338.4	339.6	340.8	341.9	341.9	343.1	344.3	344.3	343.1
22.5°	334.9	337.2	338.4	340.8	341.9	341.9	344.3	344.3	344.3	344.3
25°	333.7	336.1	338.4	340.8	341.9	341.9	344.3	344.3	345.5	345.5
27.5°	331.3	333.7	337.2	339.6	340.8	341.9	343.1	344.3	344.3	344.3
30°	327.8	331.3	334.9	337.2	338.4	339.6	340.8	341.9	343.1	343.1
32.5°	323.1	326.6	330.2	333.7	334.9	336.1	338.4	339.6	339.6	339.6
35°	318.4	321.9	325.4	329.0	330.2	331.3	333.7	334.9	336.1	336.1
37.5°	311.3	314.8	318.4	321.9	323.1	325.4	327.8	329.0	329.0	329.0
40°	300.7	306.6	311.3	314.8	316.0	318.4	319.5	321.9	321.9	321.9
42.5°	291.2	296.0	299.5	304.2	305.4	308.9	311.3	312.5	313.7	313.7
45°	280.6	285.4	288.9	292.4	293.6	296.0	298.3	299.5	300.7	301.9
47.5°	270.0	273.6	277.1	280.6	281.8	284.2	286.5	287.7	288.9	288.9
50°	257.1	260.6	264.1	267.7	268.8	271.2	272.4	273.6	274.7	274.7
52.5°	242.9	246.4	250.0	253.5	254.7	255.9	258.2	259.4	260.6	260.6
55°	228.8	232.3	234.6	238.2	239.4	240.5	241.7	244.1	245.3	244.1
57.5°	212.2	215.8	218.1	221.7	222.9	224.0	225.2	226.4	227.6	227.6
60°	194.6	198.1	201.6	204.0	205.2	206.3	207.5	208.7	209.9	209.9
62.5°	176.9	180.4	182.8	186.3	187.5	187.5	188.7	189.8	191.0	191.0
65°	159.2	162.7	163.9	167.4	167.4	168.6	169.8	171.0	171.0	171.0
67.5°	140.3	143.9	145.0	147.4	147.4	148.6	149.8	150.9	150.9	150.9
70°	122.6	123.8	126.2	127.3	128.5	128.5	129.7	130.9	132.1	130.9
72.5°	103.8	104.9	107.3	108.5	108.5	109.7	109.7	110.8	112.0	112.0
75°	84.9	87.3	88.4	89.6	90.8	90.8	92.0	93.2	93.2	93.2
77.5°	67.2	69.6	70.7	71.9	73.1	73.1	74.3	74.3	75.5	74.3
80°	51.9	53.1	54.2	55.4	56.6	56.6	57.8	59.0	59.0	59.0
82.5°	37.7	38.9	41.3	42.4	42.4	42.4	44.8	44.8	46.0	44.8
85°	25.9	27.1	29.5	30.7	31.8	31.8	31.8	33.0	34.2	33.0
87.5°	16.5	18.9	20.0	21.2	21.2	21.2	22.4	23.6	23.6	23.6
90°	9.4	9.4	10.6	11.8	11.8	13.0	13.0	14.1	14.1	14.1
92.5°	9.4	10.6	10.6	10.6	11.8	11.8	11.8	13.0	13.0	13.0
95°	80.2	57.8	33.0	25.9	22.4	22.4	21.2	22.4	21.2	21.2
97.5°	242.9	262.9	272.4	285.4	292.4	291.2	286.5	291.2	287.7	291.2
100°	345.5	364.4	378.5	382.0	389.1	392.7	405.6	415.1	419.8	425.7
102.5°	429.2	451.6	468.1	477.5	484.6	489.3	504.7	518.8	525.9	530.6
105°	505.8	529.4	549.5	558.9	567.2	571.9	588.4	604.9	615.5	621.4
107.5°	567.2	594.3	615.5	629.7	637.9	646.2	666.2	682.7	695.7	701.6
110°	622.6	649.7	672.1	688.6	698.0	706.3	728.7	747.6	761.7	768.8



TEST NUMBER: P395432

CATALOG NUMBER: I3-CL-50L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	668.6	698.0	720.5	738.1	747.6	759.4	780.6	801.8	816.0	824.2
115°	706.3	737.0	760.5	779.4	790.0	800.6	825.4	846.6	860.8	866.7
117.5°	738.1	768.8	793.6	812.4	824.2	836.0	860.8	879.6	895.0	899.7
120°	764.1	794.7	819.5	840.7	852.5	863.1	886.7	906.8	920.9	924.4
122.5°	781.8	813.6	839.5	863.1	873.7	884.4	906.8	926.8	939.8	943.3
125°	794.7	827.8	853.7	878.5	889.1	899.7	920.9	941.0	951.6	956.3
127.5°	803.0	836.0	864.3	887.9	899.7	909.1	930.3	948.0	958.6	962.2
130°	805.3	839.5	867.8	892.6	903.2	912.7	932.7	950.4	959.8	962.2
132.5°	805.3	838.4	867.8	891.4	902.0	911.5	930.3	946.8	956.3	958.6
135°	800.6	832.5	861.9	885.5	896.1	905.6	924.4	938.6	948.0	949.2
137.5°	792.4	823.0	851.3	874.9	885.5	895.0	911.5	926.8	935.1	937.4
140°	781.8	810.1	838.4	860.8	871.4	879.6	896.1	909.1	917.4	919.7
142.5°	767.6	795.9	821.9	844.3	852.5	861.9	876.1	889.1	896.1	898.5
145°	752.3	779.4	803.0	823.0	832.5	840.7	853.7	865.5	872.6	874.9
147.5°	732.2	759.4	781.8	800.6	808.9	817.1	828.9	839.5	846.6	849.0
150°	707.5	732.2	755.8	773.5	781.8	790.0	801.8	811.2	818.3	819.5
152.5°	682.7	706.3	726.3	744.0	752.3	760.5	771.2	780.6	788.8	788.8
155°	659.1	679.2	698.0	713.4	720.5	727.5	738.1	746.4	753.5	753.5
157.5°	634.4	653.2	668.6	682.7	688.6	694.5	703.9	711.0	716.9	715.7
160°	610.8	624.9	639.1	650.9	656.8	661.5	668.6	674.5	680.4	679.2
162.5°	584.9	597.8	609.6	617.9	622.6	626.1	633.2	639.1	642.6	642.6
165°	555.4	567.2	577.8	586.0	590.7	593.1	599.0	602.5	606.1	606.1
167.5°	524.7	534.1	543.6	550.7	555.4	557.7	563.6	566.0	570.7	569.5
170°	494.1	501.1	508.2	514.1	516.5	518.8	523.5	525.9	528.3	528.3
172.5°	469.3	471.7	475.2	479.9	479.9	481.1	483.4	484.6	485.8	485.8
175°	455.1	456.3	456.3	456.3	456.3	456.3	457.5	456.3	457.5	456.3
177.5°	449.3	449.3	448.1	448.1	446.9	448.1	446.9	445.7	445.7	444.5
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9

(END OF REPORT)