

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: P395433

Luminaire Tested: **I3-CL-50L93050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395433
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-50L93050-1D-UNV-W2A-W-4 (3000K)
Description: CORELITE I3, CLEAR TOP COVER
5000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3592.3 lumens
Efficiency: N/A
Efficacy: 99.0 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

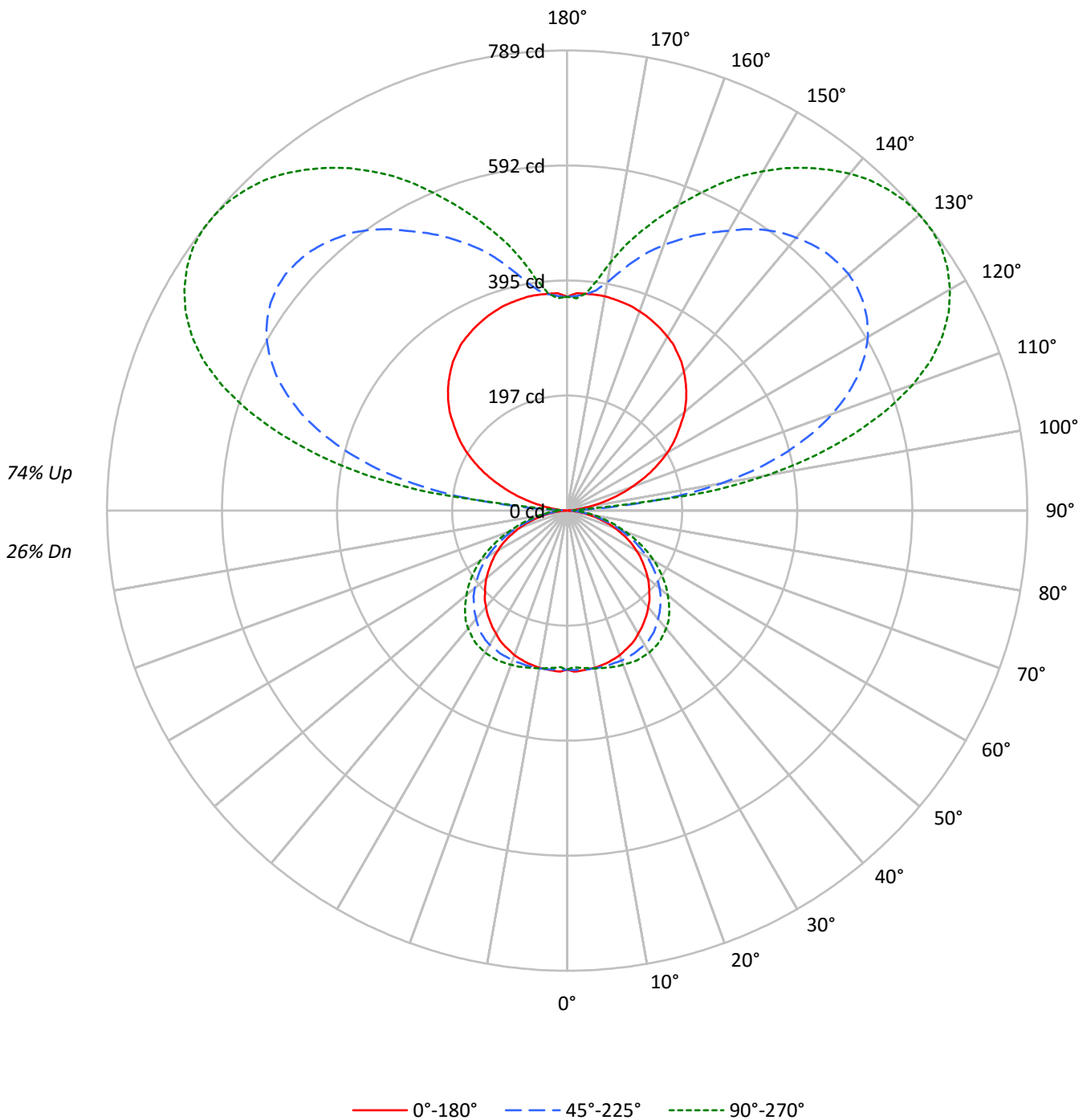
Input Watts (W): 36.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-50L93050-1D-UNV-W2A-W-4 (3000K)

Luminous Intensity Polar Plot





TEST NUMBER: P395433

CATALOG NUMBER: I3-CL-50L93050-1D-UNV-W2A-W-4 (3000K)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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°	1498	1498	1498
5°	1514	1475	1451
10°	1516	1463	1447
15°	1517	1458	1454
20°	1520	1459	1467
25°	1518	1461	1486
30°	1509	1463	1497
35°	1505	1454	1499
40°	1500	1423	1480
45°	1484	1389	1443
50°	1471	1344	1378
55°	1441	1276	1299
60°	1406	1186	1199
65°	1348	1065	1063
70°	1252	907	900
75°	1081	722	723
80°	839	513	529
85°	492	317	355



TEST NUMBER: P395433

CATALOG NUMBER: I3-CL-50L93050-1D-UNV-W2A-W-4 (3000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.1	0.7
10°-20°	77.5	2.2
20°-30°	124.2	3.5
30°-40°	158.9	4.4
40°-50°	173.2	4.8
50°-60°	162.3	4.5
60°-70°	125.9	3.5
70°-80°	72.2	2.0
80°-90°	23.1	0.6
90°-100°	92.7	2.6
100°-110°	360.2	10.0
110°-120°	490.3	13.6
120°-130°	509.0	14.2
130°-140°	451.5	12.6
140°-150°	350.3	9.8
150°-160°	233.8	6.5
160°-170°	124.6	3.5
170°-180°	36.5	1.0
0°-30°	227.8	6.3
0°-40°	386.7	10.8
0°-60°	722.3	20.1
0°-90°	943.5	26.3
90°-120°	943.2	26.3
90°-150°	2254.0	62.7
90°-180°	2649.0	73.7
0°-180°	3592.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	273	273	273	273	273	
5°	276	273	274	273	271	26
15°	270	269	274	278	278	76
25°	255	257	271	280	283	118
35°	231	236	257	271	276	145
45°	199	208	226	241	248	154
55°	160	168	184	196	200	143
65°	113	118	129	137	140	111
75°	59	62	68	74	76	63
85°	12	14	20	26	27	14
90°	1	3	7	10	12	1
95°	12	66	90	18	17	15
105°	76	231	392	465	509	81
115°	160	357	551	648	710	157
125°	231	420	621	729	784	207
135°	289	443	626	735	778	223
145°	330	443	588	682	717	207
155°	355	419	521	591	618	164
165°	369	385	443	484	497	104
175°	373	371	372	374	374	36
180°	366	366	366	366	366	



TEST NUMBER: P395433

CATALOG NUMBER: I3-CL-50L93050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6
2.5°	276.5	275.5	275.5	273.6	273.6	272.6	272.6	272.6	272.6	272.6	273.6
5°	275.5	275.5	274.5	273.6	273.6	272.6	272.6	272.6	272.6	272.6	273.6
7.5°	274.5	274.5	273.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6	274.5
10°	273.6	273.6	272.6	271.6	271.6	271.6	271.6	272.6	272.6	272.6	274.5
12.5°	271.6	270.7	270.7	269.7	269.7	269.7	270.7	270.7	271.6	272.6	274.5
15°	269.7	269.7	268.7	267.8	268.7	268.7	268.7	269.7	270.7	271.6	274.5
17.5°	266.8	266.8	265.8	265.8	265.8	266.8	266.8	267.8	269.7	271.6	273.6
20°	263.9	262.9	262.9	262.9	263.9	263.9	264.9	266.8	267.8	270.7	273.6
22.5°	259.1	260.0	259.1	259.1	260.0	261.0	262.0	263.9	265.8	268.7	271.6
25°	255.2	255.2	255.2	255.2	257.1	257.1	259.1	261.0	263.9	266.8	270.7
27.5°	250.4	250.4	250.4	251.3	252.3	253.3	254.2	257.1	260.0	263.9	267.8
30°	243.6	243.6	243.6	243.6	246.5	247.5	249.4	253.3	256.2	261.0	265.8
32.5°	237.8	237.8	237.8	238.8	240.7	241.7	243.6	248.4	252.3	257.1	262.0
35°	231.0	231.0	232.0	232.0	234.9	235.9	237.8	241.7	245.5	251.3	257.1
37.5°	224.3	224.3	225.2	226.2	228.1	230.1	232.0	235.9	239.7	244.6	250.4
40°	216.5	216.5	217.5	218.5	221.4	223.3	225.2	229.1	233.0	237.8	242.6
42.5°	208.8	208.8	209.8	210.7	213.6	215.6	217.5	222.3	226.2	231.0	234.9
45°	199.1	200.1	201.1	203.0	205.9	207.8	209.8	213.6	218.5	222.3	226.2
47.5°	190.4	191.4	192.4	194.3	197.2	199.1	201.1	204.9	208.8	212.7	217.5
50°	180.8	181.7	182.7	184.6	187.5	189.5	191.4	195.3	199.1	202.0	206.9
52.5°	170.1	171.1	172.1	174.0	177.9	178.8	180.8	184.6	187.5	191.4	195.3
55°	159.5	160.5	161.4	163.4	166.3	168.2	169.2	173.0	175.9	179.8	183.7
57.5°	148.9	149.8	150.8	152.7	154.7	156.6	157.6	160.5	164.3	167.2	171.1
60°	137.3	138.2	139.2	140.2	143.1	144.0	145.0	147.9	150.8	154.7	157.6
62.5°	125.7	125.7	126.6	127.6	130.5	131.5	132.4	134.4	138.2	140.2	143.1
65°	113.1	113.1	114.1	115.0	117.0	117.9	118.9	120.8	123.7	125.7	128.6
67.5°	99.6	99.6	100.5	101.5	103.4	104.4	104.4	107.3	109.2	111.2	113.1
70°	87.0	87.0	88.0	88.0	88.9	89.9	90.9	92.8	93.8	96.7	97.6
72.5°	73.5	73.5	73.5	73.5	75.4	75.4	76.4	78.3	79.3	81.2	83.1
75°	59.0	59.0	59.9	59.9	60.9	61.9	62.8	63.8	65.7	66.7	67.7
77.5°	46.4	45.4	46.4	47.4	48.3	48.3	49.3	50.3	51.2	53.2	54.1
80°	32.9	32.9	32.9	33.8	34.8	34.8	35.8	36.7	37.7	39.6	40.6
82.5°	21.3	21.3	22.2	22.2	23.2	24.2	24.2	25.1	26.1	28.0	29.0
85°	11.6	11.6	11.6	12.6	13.5	13.5	14.5	15.5	17.4	18.4	20.3
87.5°	3.9	3.9	4.8	5.8	6.8	6.8	7.7	8.7	9.7	11.6	12.6
90°	1.0	1.0	1.0	1.9	1.9	2.9	2.9	3.9	4.8	5.8	6.8
92.5°	3.9	6.8	10.6	15.5	14.5	15.5	10.6	6.8	6.8	6.8	7.7
95°	11.6	17.4	28.0	44.5	58.0	65.7	72.5	79.3	92.8	93.8	89.9
97.5°	23.2	31.9	51.2	72.5	96.7	109.2	118.9	139.2	160.5	174.0	190.4
100°	38.7	51.2	76.4	105.4	133.4	149.8	165.3	194.3	220.4	243.6	268.7
102.5°	57.0	71.5	102.5	138.2	173.0	191.4	207.8	241.7	277.4	308.4	335.4
105°	76.4	92.8	129.5	170.1	209.8	231.0	251.3	288.1	325.8	359.6	391.5
107.5°	97.6	115.0	154.7	200.1	244.6	268.7	291.0	330.6	370.2	407.0	440.8
110°	117.9	137.3	178.8	228.1	278.4	302.6	324.8	368.3	409.9	448.5	484.3



TEST NUMBER: P395433

CATALOG NUMBER: I3-CL-50L93050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	139.2	159.5	201.1	255.2	306.4	331.6	354.8	401.2	444.7	484.3	520.1
115°	159.5	178.8	222.3	278.4	330.6	356.7	381.8	429.2	474.6	514.3	551.0
117.5°	178.8	197.2	241.7	297.7	351.9	378.0	403.1	452.4	497.8	539.4	575.2
120°	198.2	214.6	262.9	314.2	369.3	395.4	421.5	470.8	517.2	558.7	595.5
122.5°	215.6	231.0	278.4	328.7	382.8	409.9	435.0	485.3	532.6	574.2	610.0
125°	231.0	245.5	292.9	340.3	394.4	420.5	446.6	495.9	543.3	583.9	620.6
127.5°	246.5	261.0	303.5	351.9	402.1	429.2	454.3	503.6	550.0	591.6	627.4
130°	262.9	273.6	314.2	362.5	409.9	435.0	461.1	508.5	553.9	594.5	630.3
132.5°	276.5	286.1	324.8	371.2	415.7	439.8	463.0	510.4	555.8	594.5	629.3
135°	289.0	296.8	332.5	378.9	420.5	442.7	465.0	509.4	553.9	592.6	626.4
137.5°	300.6	308.4	339.3	384.7	424.4	443.7	465.0	506.5	549.1	587.7	619.6
140°	311.3	317.1	345.1	387.6	426.3	444.7	463.0	501.7	541.3	579.0	610.9
142.5°	321.9	326.7	349.9	389.6	427.3	444.7	462.1	495.9	532.6	569.4	601.3
145°	329.6	334.5	353.8	390.5	426.3	442.7	458.2	490.1	523.0	556.8	587.7
147.5°	338.3	342.2	357.7	388.6	423.4	438.9	453.4	482.4	512.3	543.3	572.3
150°	344.1	348.0	359.6	386.7	418.6	433.1	447.6	474.6	501.7	528.8	553.9
152.5°	349.9	352.8	362.5	383.8	412.8	426.3	439.8	465.9	491.1	515.2	537.5
155°	354.8	357.7	364.4	381.8	406.0	418.6	431.1	456.3	479.5	500.7	521.0
157.5°	359.6	361.5	366.4	378.9	398.3	409.9	421.5	443.7	465.0	486.2	502.7
160°	363.5	364.4	368.3	378.0	391.5	400.2	410.8	431.1	450.5	468.8	484.3
162.5°	367.3	367.3	370.2	376.0	385.7	391.5	399.2	416.6	434.0	450.5	465.0
165°	369.3	369.3	371.2	375.1	380.9	384.7	389.6	401.2	414.7	429.2	442.7
167.5°	371.2	371.2	372.2	374.1	378.0	379.9	381.8	389.6	398.3	408.9	419.5
170°	373.1	372.2	372.2	374.1	375.1	376.0	377.0	380.9	384.7	391.5	397.3
172.5°	373.1	372.2	372.2	373.1	373.1	373.1	373.1	374.1	375.1	378.9	380.9
175°	373.1	372.2	372.2	372.2	372.2	371.2	371.2	371.2	371.2	371.2	372.2
177.5°	373.1	372.2	371.2	371.2	370.2	370.2	369.3	369.3	368.3	368.3	368.3
180°	366.4	366.4	366.4	366.4	366.4	366.4	366.4	366.4	366.4	366.4	366.4



TEST NUMBER: P395433

CATALOG NUMBER: I3-CL-50L93050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6
2.5°	273.6	273.6	272.6	272.6	271.6	271.6	270.7	269.7	268.7	268.7
5°	274.5	273.6	272.6	272.6	272.6	271.6	271.6	271.6	270.7	270.7
7.5°	274.5	274.5	274.5	273.6	273.6	273.6	273.6	273.6	272.6	272.6
10°	275.5	275.5	275.5	275.5	275.5	275.5	275.5	274.5	274.5	274.5
12.5°	275.5	275.5	275.5	276.5	276.5	276.5	276.5	276.5	276.5	276.5
15°	276.5	276.5	277.4	277.4	278.4	278.4	279.4	279.4	279.4	278.4
17.5°	275.5	276.5	277.4	278.4	279.4	279.4	280.3	280.3	280.3	280.3
20°	275.5	277.4	278.4	279.4	280.3	280.3	281.3	282.3	282.3	281.3
22.5°	274.5	276.5	277.4	279.4	280.3	280.3	282.3	282.3	282.3	282.3
25°	273.6	275.5	277.4	279.4	280.3	280.3	282.3	282.3	283.2	283.2
27.5°	271.6	273.6	276.5	278.4	279.4	280.3	281.3	282.3	282.3	282.3
30°	268.7	271.6	274.5	276.5	277.4	278.4	279.4	280.3	281.3	281.3
32.5°	264.9	267.8	270.7	273.6	274.5	275.5	277.4	278.4	278.4	278.4
35°	261.0	263.9	266.8	269.7	270.7	271.6	273.6	274.5	275.5	275.5
37.5°	255.2	258.1	261.0	263.9	264.9	266.8	268.7	269.7	269.7	269.7
40°	246.5	251.3	255.2	258.1	259.1	261.0	262.0	263.9	263.9	263.9
42.5°	238.8	242.6	245.5	249.4	250.4	253.3	255.2	256.2	257.1	257.1
45°	230.1	233.9	236.8	239.7	240.7	242.6	244.6	245.5	246.5	247.5
47.5°	221.4	224.3	227.2	230.1	231.0	233.0	234.9	235.9	236.8	236.8
50°	210.7	213.6	216.5	219.4	220.4	222.3	223.3	224.3	225.2	225.2
52.5°	199.1	202.0	204.9	207.8	208.8	209.8	211.7	212.7	213.6	213.6
55°	187.5	190.4	192.4	195.3	196.2	197.2	198.2	200.1	201.1	200.1
57.5°	174.0	176.9	178.8	181.7	182.7	183.7	184.6	185.6	186.6	186.6
60°	159.5	162.4	165.3	167.2	168.2	169.2	170.1	171.1	172.1	172.1
62.5°	145.0	147.9	149.8	152.7	153.7	153.7	154.7	155.6	156.6	156.6
65°	130.5	133.4	134.4	137.3	137.3	138.2	139.2	140.2	140.2	140.2
67.5°	115.0	117.9	118.9	120.8	120.8	121.8	122.8	123.7	123.7	123.7
70°	100.5	101.5	103.4	104.4	105.4	105.4	106.3	107.3	108.3	107.3
72.5°	85.1	86.0	88.0	88.9	88.9	89.9	89.9	90.9	91.8	91.8
75°	69.6	71.5	72.5	73.5	74.4	74.4	75.4	76.4	76.4	76.4
77.5°	55.1	57.0	58.0	59.0	59.9	59.9	60.9	60.9	61.9	60.9
80°	42.5	43.5	44.5	45.4	46.4	46.4	47.4	48.3	48.3	48.3
82.5°	30.9	31.9	33.8	34.8	34.8	34.8	36.7	36.7	37.7	36.7
85°	21.3	22.2	24.2	25.1	26.1	26.1	26.1	27.1	28.0	27.1
87.5°	13.5	15.5	16.4	17.4	17.4	17.4	18.4	19.3	19.3	19.3
90°	7.7	7.7	8.7	9.7	9.7	10.6	10.6	11.6	11.6	11.6
92.5°	7.7	8.7	8.7	8.7	9.7	9.7	9.7	10.6	10.6	10.6
95°	65.7	47.4	27.1	21.3	18.4	18.4	17.4	18.4	17.4	17.4
97.5°	199.1	215.6	223.3	233.9	239.7	238.8	234.9	238.8	235.9	238.8
100°	283.2	298.7	310.3	313.2	319.0	321.9	332.5	340.3	344.1	349.0
102.5°	351.9	370.2	383.8	391.5	397.3	401.2	413.7	425.3	431.1	435.0
105°	414.7	434.0	450.5	458.2	465.0	468.8	482.4	495.9	504.6	509.4
107.5°	465.0	487.2	504.6	516.2	523.0	529.7	546.2	559.7	570.3	575.2
110°	510.4	532.6	551.0	564.5	572.3	579.0	597.4	612.9	624.5	630.3



TEST NUMBER: P395433

CATALOG NUMBER: I3-CL-50L93050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	548.1	572.3	590.6	605.1	612.9	622.5	639.9	657.3	668.9	675.7
115°	579.0	604.2	623.5	639.0	647.7	656.4	676.7	694.1	705.7	710.5
117.5°	605.1	630.3	650.6	666.0	675.7	685.4	705.7	721.1	733.7	737.6
120°	626.4	651.5	671.8	689.2	698.9	707.6	726.9	743.4	755.0	757.9
122.5°	640.9	667.0	688.3	707.6	716.3	725.0	743.4	759.8	770.4	773.3
125°	651.5	678.6	699.9	720.2	728.9	737.6	755.0	771.4	780.1	784.0
127.5°	658.3	685.4	708.6	727.9	737.6	745.3	762.7	777.2	785.9	788.8
130°	660.2	688.3	711.5	731.8	740.5	748.2	764.6	779.1	786.9	788.8
132.5°	660.2	687.3	711.5	730.8	739.5	747.2	762.7	776.2	784.0	785.9
135°	656.4	682.5	706.6	726.0	734.7	742.4	757.9	769.5	777.2	778.2
137.5°	649.6	674.7	697.9	717.3	726.0	733.7	747.2	759.8	766.6	768.5
140°	640.9	664.1	687.3	705.7	714.4	721.1	734.7	745.3	752.1	754.0
142.5°	629.3	652.5	673.8	692.1	698.9	706.6	718.2	728.9	734.7	736.6
145°	616.7	639.0	658.3	674.7	682.5	689.2	699.9	709.5	715.3	717.3
147.5°	600.3	622.5	640.9	656.4	663.1	669.9	679.6	688.3	694.1	696.0
150°	580.0	600.3	619.6	634.1	640.9	647.7	657.3	665.1	670.9	671.8
152.5°	559.7	579.0	595.5	610.0	616.7	623.5	632.2	639.9	646.7	646.7
155°	540.4	556.8	572.3	584.8	590.6	596.4	605.1	611.9	617.7	617.7
157.5°	520.1	535.5	548.1	559.7	564.5	569.4	577.1	582.9	587.7	586.8
160°	500.7	512.3	523.9	533.6	538.4	542.3	548.1	552.9	557.8	556.8
162.5°	479.5	490.1	499.8	506.5	510.4	513.3	519.1	523.9	526.8	526.8
165°	455.3	465.0	473.7	480.4	484.3	486.2	491.1	494.0	496.9	496.9
167.5°	430.2	437.9	445.6	451.4	455.3	457.2	462.1	464.0	467.9	466.9
170°	405.0	410.8	416.6	421.5	423.4	425.3	429.2	431.1	433.1	433.1
172.5°	384.7	386.7	389.6	393.4	393.4	394.4	396.3	397.3	398.3	398.3
175°	373.1	374.1	374.1	374.1	374.1	374.1	375.1	374.1	375.1	374.1
177.5°	368.3	368.3	367.3	367.3	366.4	367.3	366.4	365.4	365.4	364.4
180°	366.4	366.4	366.4	366.4	366.4	366.4	366.4	366.4	366.4	366.4

(END OF REPORT)