

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: P395486

Luminaire Tested: **I3-CL-80L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395486
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-80L93050-1D-UNV-W2A-W-4 (3500K)
Description: CORELITE I3, CLEAR TOP COVER
8000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6253.4 lumens
Efficiency: N/A
Efficacy: 98.5 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

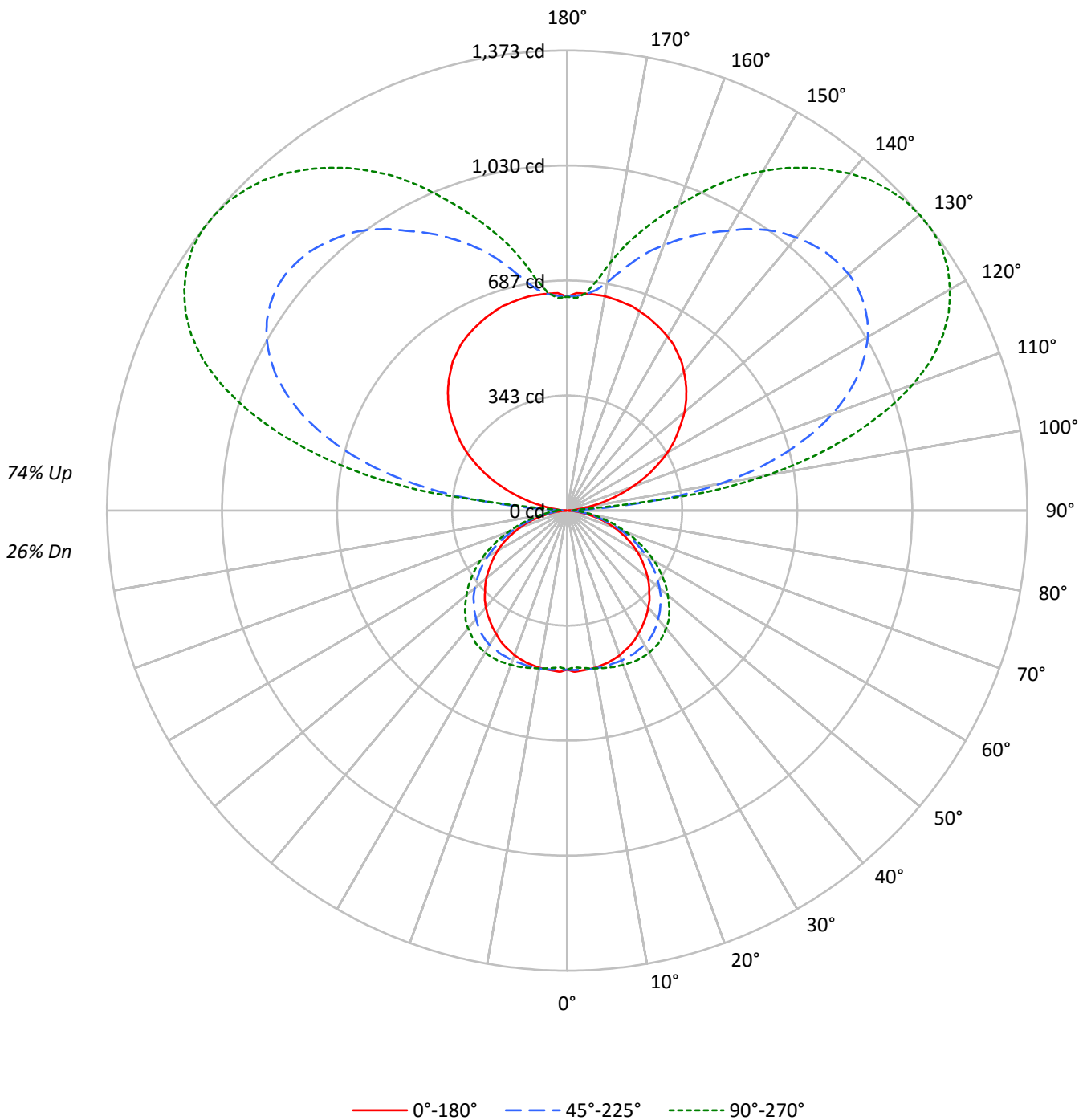
Input Watts (W): 63.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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°	2608	2608	2608
5°	2636	2568	2526
10°	2638	2548	2519
15°	2642	2539	2531
20°	2646	2540	2554
25°	2642	2543	2588
30°	2627	2547	2606
35°	2621	2532	2609
40°	2611	2478	2576
45°	2584	2418	2512
50°	2561	2338	2400
55°	2509	2221	2261
60°	2447	2065	2087
65°	2347	1854	1851
70°	2178	1579	1567
75°	1880	1256	1258
80°	1459	893	921
85°	857	551	618



TEST NUMBER: P395486

CATALOG NUMBER: I3-CL-80L93050-1D-UNV-W2A-W-4 (3500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	0.7
10°-20°	134.9	2.2
20°-30°	216.3	3.5
30°-40°	276.6	4.4
40°-50°	301.6	4.8
50°-60°	282.6	4.5
60°-70°	219.2	3.5
70°-80°	125.7	2.0
80°-90°	40.2	0.6
90°-100°	161.3	2.6
100°-110°	627.0	10.0
110°-120°	853.6	13.6
120°-130°	886.0	14.2
130°-140°	785.9	12.6
140°-150°	609.8	9.8
150°-160°	407.0	6.5
160°-170°	216.9	3.5
170°-180°	63.5	1.0
0°-30°	396.6	6.3
0°-40°	673.2	10.8
0°-60°	1257.3	20.1
0°-90°	1642.4	26.3
90°-120°	1641.8	26.3
90°-150°	3923.6	62.7
90°-180°	4611.0	73.7
0°-180°	6253.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	474	474	474	474	474	
5°	480	474	476	474	471	46
15°	470	468	478	485	485	133
25°	444	448	471	488	493	205
35°	402	411	448	471	480	252
45°	347	362	394	419	431	268
55°	278	293	320	342	348	248
65°	197	205	224	239	244	194
75°	103	108	118	130	133	110
85°	20	24	35	45	47	24
90°	2	5	12	17	20	2
95°	20	114	156	32	30	27
105°	133	402	682	809	887	142
115°	278	621	959	1127	1237	274
125°	402	732	1080	1269	1365	360
135°	503	771	1090	1279	1355	388
145°	574	771	1023	1188	1249	360
155°	618	729	907	1028	1075	285
165°	643	670	771	843	865	182
175°	650	646	648	651	651	62
180°	638	638	638	638	638	



TEST NUMBER: P395486

CATALOG NUMBER: I3-CL-80L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	474.5	474.5	474.5	474.5	474.5	474.5	474.5	474.5	474.5	474.5	474.5
2.5°	481.3	479.6	479.6	476.2	476.2	474.5	474.5	474.5	474.5	474.5	476.2
5°	479.6	479.6	477.9	476.2	476.2	474.5	474.5	474.5	474.5	474.5	476.2
7.5°	477.9	477.9	476.2	474.5	474.5	474.5	474.5	474.5	474.5	474.5	477.9
10°	476.2	476.2	474.5	472.9	472.9	472.9	472.9	474.5	474.5	474.5	477.9
12.5°	472.9	471.2	471.2	469.5	469.5	469.5	471.2	471.2	472.9	474.5	477.9
15°	469.5	469.5	467.8	466.1	467.8	467.8	467.8	469.5	471.2	472.9	477.9
17.5°	464.4	464.4	462.8	462.8	462.8	464.4	464.4	466.1	469.5	472.9	476.2
20°	459.4	457.7	457.7	457.7	459.4	459.4	461.1	464.4	466.1	471.2	476.2
22.5°	451.0	452.7	451.0	451.0	452.7	454.3	456.0	459.4	462.8	467.8	472.9
25°	444.2	444.2	444.2	444.2	447.6	447.6	451.0	454.3	459.4	464.4	471.2
27.5°	435.8	435.8	435.8	437.5	439.2	440.9	442.6	447.6	452.7	459.4	466.1
30°	424.1	424.1	424.1	424.1	429.1	430.8	434.1	440.9	445.9	454.3	462.8
32.5°	414.0	414.0	414.0	415.6	419.0	420.7	424.1	432.5	439.2	447.6	456.0
35°	402.2	402.2	403.9	403.9	408.9	410.6	414.0	420.7	427.4	437.5	447.6
37.5°	390.4	390.4	392.1	393.8	397.1	400.5	403.9	410.6	417.3	425.7	435.8
40°	376.9	376.9	378.6	380.3	385.3	388.7	392.1	398.8	405.5	414.0	422.4
42.5°	363.5	363.5	365.2	366.8	371.9	375.3	378.6	387.0	393.8	402.2	408.9
45°	346.6	348.3	350.0	353.4	358.4	361.8	365.2	371.9	380.3	387.0	393.8
47.5°	331.5	333.2	334.9	338.2	343.3	346.6	350.0	356.7	363.5	370.2	378.6
50°	314.7	316.4	318.0	321.4	326.5	329.8	333.2	339.9	346.6	351.7	360.1
52.5°	296.2	297.8	299.5	302.9	309.6	311.3	314.7	321.4	326.5	333.2	339.9
55°	277.7	279.3	281.0	284.4	289.4	292.8	294.5	301.2	306.3	313.0	319.7
57.5°	259.1	260.8	262.5	265.9	269.2	272.6	274.3	279.3	286.1	291.1	297.8
60°	239.0	240.6	242.3	244.0	249.0	250.7	252.4	257.5	262.5	269.2	274.3
62.5°	218.8	218.8	220.4	222.1	227.2	228.9	230.5	233.9	240.6	244.0	249.0
65°	196.9	196.9	198.6	200.2	203.6	205.3	207.0	210.3	215.4	218.8	223.8
67.5°	173.3	173.3	175.0	176.7	180.1	181.7	181.7	186.8	190.2	193.5	196.9
70°	151.4	151.4	153.1	153.1	154.8	156.5	158.2	161.5	163.2	168.3	170.0
72.5°	127.9	127.9	127.9	127.9	131.3	131.3	132.9	136.3	138.0	141.4	144.7
75°	102.6	102.6	104.3	104.3	106.0	107.7	109.4	111.1	114.4	116.1	117.8
77.5°	80.8	79.1	80.8	82.5	84.1	84.1	85.8	87.5	89.2	92.6	94.2
80°	57.2	57.2	57.2	58.9	60.6	60.6	62.3	63.9	65.6	69.0	70.7
82.5°	37.0	37.0	38.7	38.7	40.4	42.1	42.1	43.8	45.4	48.8	50.5
85°	20.2	20.2	20.2	21.9	23.6	23.6	25.2	26.9	30.3	32.0	35.3
87.5°	6.7	6.7	8.4	10.1	11.8	11.8	13.5	15.1	16.8	20.2	21.9
90°	1.7	1.7	1.7	3.4	3.4	5.0	5.0	6.7	8.4	10.1	11.8
92.5°	6.7	11.8	18.5	26.9	25.2	26.9	18.5	11.8	11.8	11.8	13.5
95°	20.2	30.3	48.8	77.4	101.0	114.4	126.2	138.0	161.5	163.2	156.5
97.5°	40.4	55.5	89.2	126.2	168.3	190.2	207.0	242.3	279.3	302.9	331.5
100°	67.3	89.2	132.9	183.4	232.2	260.8	287.7	338.2	383.7	424.1	467.8
102.5°	99.3	124.5	178.4	240.6	301.2	333.2	361.8	420.7	482.9	536.8	583.9
105°	132.9	161.5	225.5	296.2	365.2	402.2	437.5	501.5	567.1	626.0	681.5
107.5°	170.0	200.2	269.2	348.3	425.7	467.8	506.5	575.5	644.5	708.4	767.3
110°	205.3	239.0	311.3	397.1	484.6	526.7	565.4	641.1	713.5	780.8	843.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	242.3	277.7	350.0	444.2	533.4	577.2	617.6	698.3	774.1	843.1	905.3
115°	277.7	311.3	387.0	484.6	575.5	620.9	664.7	747.1	826.2	895.2	959.2
117.5°	311.3	343.3	420.7	518.3	612.5	658.0	701.7	787.5	866.6	939.0	1001.2
120°	345.0	373.6	457.7	546.9	642.8	688.2	733.7	819.5	900.3	972.6	1036.6
122.5°	375.3	402.2	484.6	572.1	666.4	713.5	757.2	844.7	927.2	999.6	1061.8
125°	402.2	427.4	509.9	592.3	686.6	732.0	777.4	863.2	945.7	1016.4	1080.3
127.5°	429.1	454.3	528.4	612.5	700.0	747.1	790.9	876.7	957.5	1029.8	1092.1
130°	457.7	476.2	546.9	631.0	713.5	757.2	802.7	885.1	964.2	1034.9	1097.2
132.5°	481.3	498.1	565.4	646.2	723.6	765.7	806.0	888.5	967.6	1034.9	1095.5
135°	503.1	516.6	578.9	659.6	732.0	770.7	809.4	886.8	964.2	1031.5	1090.4
137.5°	523.3	536.8	590.6	669.7	738.7	772.4	809.4	881.8	955.8	1023.1	1078.6
140°	541.8	551.9	600.7	674.8	742.1	774.1	806.0	873.3	942.3	1008.0	1063.5
142.5°	560.4	568.8	609.2	678.1	743.8	774.1	804.4	863.2	927.2	991.1	1046.7
145°	573.8	582.2	615.9	679.8	742.1	770.7	797.6	853.2	910.4	969.3	1023.1
147.5°	589.0	595.7	622.6	676.5	737.0	764.0	789.2	839.7	891.9	945.7	996.2
150°	599.1	605.8	626.0	673.1	728.6	753.9	779.1	826.2	873.3	920.5	964.2
152.5°	609.2	614.2	631.0	668.1	718.5	742.1	765.7	811.1	854.8	896.9	935.6
155°	617.6	622.6	634.4	664.7	706.8	728.6	750.5	794.3	834.6	871.7	907.0
157.5°	626.0	629.3	637.8	659.6	693.3	713.5	733.7	772.4	809.4	846.4	875.0
160°	632.7	634.4	641.1	658.0	681.5	696.7	715.2	750.5	784.2	816.1	843.1
162.5°	639.4	639.4	644.5	654.6	671.4	681.5	695.0	725.3	755.6	784.2	809.4
165°	642.8	642.8	646.2	652.9	663.0	669.7	678.1	698.3	721.9	747.1	770.7
167.5°	646.2	646.2	647.9	651.2	658.0	661.3	664.7	678.1	693.3	711.8	730.3
170°	649.5	647.9	647.9	651.2	652.9	654.6	656.3	663.0	669.7	681.5	691.6
172.5°	649.5	647.9	647.9	649.5	649.5	649.5	649.5	651.2	652.9	659.6	663.0
175°	649.5	647.9	647.9	647.9	647.9	646.2	646.2	646.2	646.2	646.2	647.9
177.5°	649.5	647.9	646.2	646.2	644.5	644.5	642.8	642.8	641.1	641.1	641.1
180°	637.8	637.8	637.8	637.8	637.8	637.8	637.8	637.8	637.8	637.8	637.8



TEST NUMBER: P395486

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	474.5	474.5	474.5	474.5	474.5	474.5	474.5	474.5	474.5	474.5
2.5°	476.2	476.2	474.5	474.5	472.9	472.9	471.2	469.5	467.8	467.8
5°	477.9	476.2	474.5	474.5	474.5	472.9	472.9	472.9	471.2	471.2
7.5°	477.9	477.9	477.9	476.2	476.2	476.2	476.2	476.2	474.5	474.5
10°	479.6	479.6	479.6	479.6	479.6	479.6	479.6	477.9	477.9	477.9
12.5°	479.6	479.6	479.6	481.3	481.3	481.3	481.3	481.3	481.3	481.3
15°	481.3	481.3	482.9	482.9	484.6	484.6	486.3	486.3	486.3	484.6
17.5°	479.6	481.3	482.9	484.6	486.3	486.3	488.0	488.0	488.0	488.0
20°	479.6	482.9	484.6	486.3	488.0	488.0	489.7	491.4	491.4	489.7
22.5°	477.9	481.3	482.9	486.3	488.0	488.0	491.4	491.4	491.4	491.4
25°	476.2	479.6	482.9	486.3	488.0	488.0	491.4	491.4	493.0	493.0
27.5°	472.9	476.2	481.3	484.6	486.3	488.0	489.7	491.4	491.4	491.4
30°	467.8	472.9	477.9	481.3	482.9	484.6	486.3	488.0	489.7	489.7
32.5°	461.1	466.1	471.2	476.2	477.9	479.6	482.9	484.6	484.6	484.6
35°	454.3	459.4	464.4	469.5	471.2	472.9	476.2	477.9	479.6	479.6
37.5°	444.2	449.3	454.3	459.4	461.1	464.4	467.8	469.5	469.5	469.5
40°	429.1	437.5	444.2	449.3	451.0	454.3	456.0	459.4	459.4	459.4
42.5°	415.6	422.4	427.4	434.1	435.8	440.9	444.2	445.9	447.6	447.6
45°	400.5	407.2	412.3	417.3	419.0	422.4	425.7	427.4	429.1	430.8
47.5°	385.3	390.4	395.4	400.5	402.2	405.5	408.9	410.6	412.3	412.3
50°	366.8	371.9	376.9	382.0	383.7	387.0	388.7	390.4	392.1	392.1
52.5°	346.6	351.7	356.7	361.8	363.5	365.2	368.5	370.2	371.9	371.9
55°	326.5	331.5	334.9	339.9	341.6	343.3	345.0	348.3	350.0	348.3
57.5°	302.9	307.9	311.3	316.4	318.0	319.7	321.4	323.1	324.8	324.8
60°	277.7	282.7	287.7	291.1	292.8	294.5	296.2	297.8	299.5	299.5
62.5°	252.4	257.5	260.8	265.9	267.6	267.6	269.2	270.9	272.6	272.6
65°	227.2	232.2	233.9	239.0	239.0	240.6	242.3	244.0	244.0	244.0
67.5°	200.2	205.3	207.0	210.3	210.3	212.0	213.7	215.4	215.4	215.4
70°	175.0	176.7	180.1	181.7	183.4	183.4	185.1	186.8	188.5	186.8
72.5°	148.1	149.8	153.1	154.8	154.8	156.5	156.5	158.2	159.9	159.9
75°	121.2	124.5	126.2	127.9	129.6	129.6	131.3	132.9	132.9	132.9
77.5°	95.9	99.3	101.0	102.6	104.3	104.3	106.0	106.0	107.7	106.0
80°	74.0	75.7	77.4	79.1	80.8	80.8	82.5	84.1	84.1	84.1
82.5°	53.8	55.5	58.9	60.6	60.6	60.6	63.9	63.9	65.6	63.9
85°	37.0	38.7	42.1	43.8	45.4	45.4	45.4	47.1	48.8	47.1
87.5°	23.6	26.9	28.6	30.3	30.3	30.3	32.0	33.7	33.7	33.7
90°	13.5	13.5	15.1	16.8	16.8	18.5	18.5	20.2	20.2	20.2
92.5°	13.5	15.1	15.1	15.1	16.8	16.8	16.8	18.5	18.5	18.5
95°	114.4	82.5	47.1	37.0	32.0	32.0	30.3	32.0	30.3	30.3
97.5°	346.6	375.3	388.7	407.2	417.3	415.6	408.9	415.6	410.6	415.6
100°	493.0	520.0	540.2	545.2	555.3	560.4	578.9	592.3	599.1	607.5
102.5°	612.5	644.5	668.1	681.5	691.6	698.3	720.2	740.4	750.5	757.2
105°	721.9	755.6	784.2	797.6	809.4	816.1	839.7	863.2	878.4	886.8
107.5°	809.4	848.1	878.4	898.6	910.4	922.1	950.8	974.3	992.8	1001.2
110°	888.5	927.2	959.2	982.7	996.2	1008.0	1039.9	1066.9	1087.1	1097.2



TEST NUMBER: P395486

CATALOG NUMBER: I3-CL-80L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	954.1	996.2	1028.2	1053.4	1066.9	1083.7	1114.0	1144.3	1164.5	1176.2
115°	1008.0	1051.7	1085.4	1112.3	1127.4	1142.6	1177.9	1208.2	1228.4	1236.8
117.5°	1053.4	1097.2	1132.5	1159.4	1176.2	1193.1	1228.4	1255.3	1277.2	1283.9
120°	1090.4	1134.2	1169.5	1199.8	1216.6	1231.8	1265.4	1294.0	1314.2	1319.3
122.5°	1115.7	1161.1	1198.1	1231.8	1246.9	1262.1	1294.0	1322.6	1341.1	1346.2
125°	1134.2	1181.3	1218.3	1253.6	1268.8	1283.9	1314.2	1342.8	1358.0	1364.7
127.5°	1146.0	1193.1	1233.5	1267.1	1283.9	1297.4	1327.7	1352.9	1368.1	1373.1
130°	1149.3	1198.1	1238.5	1273.8	1289.0	1302.4	1331.1	1356.3	1369.8	1373.1
132.5°	1149.3	1196.4	1238.5	1272.2	1287.3	1300.8	1327.7	1351.2	1364.7	1368.1
135°	1142.6	1188.0	1230.1	1263.7	1278.9	1292.4	1319.3	1339.5	1352.9	1354.6
137.5°	1130.8	1174.6	1214.9	1248.6	1263.7	1277.2	1300.8	1322.6	1334.4	1337.8
140°	1115.7	1156.0	1196.4	1228.4	1243.6	1255.3	1278.9	1297.4	1309.2	1312.5
142.5°	1095.5	1135.9	1172.9	1204.8	1216.6	1230.1	1250.3	1268.8	1278.9	1282.3
145°	1073.6	1112.3	1146.0	1174.6	1188.0	1199.8	1218.3	1235.1	1245.2	1248.6
147.5°	1045.0	1083.7	1115.7	1142.6	1154.4	1166.1	1183.0	1198.1	1208.2	1211.6
150°	1009.6	1045.0	1078.6	1103.9	1115.7	1127.4	1144.3	1157.7	1167.8	1169.5
152.5°	974.3	1008.0	1036.6	1061.8	1073.6	1085.4	1100.5	1114.0	1125.8	1125.8
155°	940.7	969.3	996.2	1018.1	1028.2	1038.3	1053.4	1065.2	1075.3	1075.3
157.5°	905.3	932.2	954.1	974.3	982.7	991.1	1004.6	1014.7	1023.1	1021.4
160°	871.7	891.9	912.0	928.9	937.3	944.0	954.1	962.5	970.9	969.3
162.5°	834.6	853.2	870.0	881.8	888.5	893.5	903.6	912.0	917.1	917.1
165°	792.6	809.4	824.5	836.3	843.1	846.4	854.8	859.9	864.9	864.9
167.5°	748.8	762.3	775.7	785.8	792.6	795.9	804.4	807.7	814.4	812.8
170°	705.1	715.2	725.3	733.7	737.0	740.4	747.1	750.5	753.9	753.9
172.5°	669.7	673.1	678.1	684.9	684.9	686.6	689.9	691.6	693.3	693.3
175°	649.5	651.2	651.2	651.2	651.2	651.2	652.9	651.2	652.9	651.2
177.5°	641.1	641.1	639.4	639.4	637.8	639.4	637.8	636.1	636.1	634.4
180°	637.8	637.8	637.8	637.8	637.8	637.8	637.8	637.8	637.8	637.8

(END OF REPORT)