

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: P395642

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

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395642
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-FL-80L93050-1D-UNV-W2A-W-4 (3500K)
Description: CORELITE I3, FROSTED 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: 6170.6 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.43 / 1.49
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

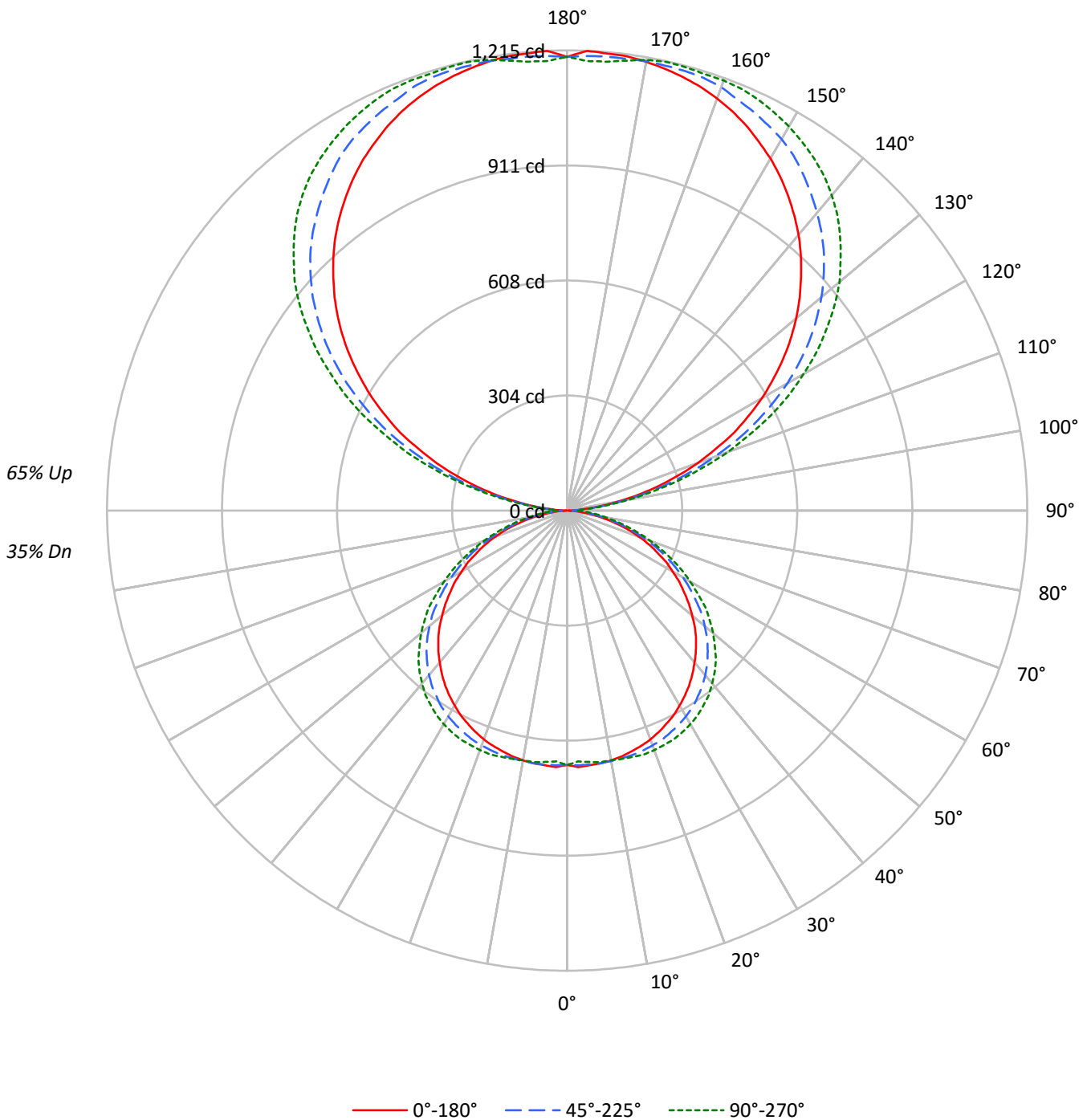
Input Watts (W): 63.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35
1	94	90	86	83	85	81	78	75	66	63	61	51	49	48	37	36	36	29
2	86	78	72	67	77	71	66	61	57	53	50	44	42	40	33	31	30	24
3	78	69	61	55	70	62	56	51	50	46	42	39	36	33	29	27	25	20
4	71	60	53	47	64	55	48	43	44	39	35	35	31	28	25	23	21	17
5	65	54	46	40	59	49	42	36	39	34	30	31	27	24	23	20	18	15
6	60	48	40	34	54	44	37	31	35	30	26	28	24	21	21	18	16	13
7	55	43	35	30	50	39	32	27	32	27	23	25	21	18	19	16	14	11
8	51	39	31	26	46	35	29	24	29	24	20	23	19	16	17	14	13	10
9	47	35	28	23	43	32	26	21	26	21	18	21	17	15	16	13	11	9
10	44	32	25	20	40	30	23	19	24	19	16	19	16	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3690	3690	3690
5°	3709	3629	3572
10°	3710	3579	3530
15°	3701	3548	3516
20°	3703	3518	3511
25°	3692	3487	3497
30°	3680	3453	3466
35°	3662	3398	3414
40°	3625	3327	3340
45°	3589	3224	3237
50°	3506	3081	3079
55°	3405	2887	2895
60°	3291	2660	2615
65°	3129	2383	2323
70°	2905	2032	1962
75°	2529	1614	1561
80°	1974	1148	1142
85°	1069	658	750



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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.0	1.0
10°-20°	188.3	3.1
20°-30°	296.9	4.8
30°-40°	373.2	6.0
40°-50°	401.2	6.5
50°-60°	369.1	6.0
60°-70°	282.8	4.6
70°-80°	161.0	2.6
80°-90°	50.3	0.8
90°-100°	67.2	1.1
100°-110°	292.4	4.7
110°-120°	535.4	8.7
120°-130°	690.1	11.2
130°-140°	734.3	11.9
140°-150°	675.6	10.9
150°-160°	535.2	8.7
160°-170°	338.9	5.5
170°-180°	114.7	1.9
0°-30°	549.2	8.9
0°-40°	922.4	14.9
0°-60°	1692.7	27.4
0°-90°	2186.7	35.4
90°-120°	895.0	14.5
90°-150°	2995.0	48.5
90°-180°	3984.0	64.6
0°-180°	6170.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	671	671	671	671	671	
5°	675	668	673	670	666	64
15°	658	655	668	673	673	186
25°	621	623	646	661	666	286
35°	562	569	601	621	628	351
45°	481	493	525	547	555	371
55°	377	392	416	438	446	338
65°	262	271	288	301	306	260
75°	138	141	151	160	165	146
85°	25	32	42	54	57	32
90°	2	5	15	22	25	4
95°	45	44	49	56	57	57
105°	247	259	279	296	301	263
115°	486	508	549	577	592	477
125°	695	725	781	820	836	621
135°	873	902	959	1000	1020	674
145°	1016	1038	1085	1117	1136	636
155°	1121	1134	1163	1186	1196	517
165°	1185	1185	1201	1210	1212	335
175°	1212	1203	1203	1198	1190	115
180°	1198	1198	1198	1198	1198	



TEST NUMBER: P395642

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4
2.5°	678.1	676.4	674.8	671.4	671.4	669.7	669.7	669.7	669.7	671.4	673.1
5°	674.8	674.8	673.1	669.7	669.7	668.0	668.0	669.7	668.0	669.7	673.1
7.5°	673.1	673.1	671.4	668.0	668.0	668.0	668.0	668.0	668.0	669.7	673.1
10°	669.7	669.7	666.3	664.7	664.7	664.7	664.7	666.3	666.3	668.0	671.4
12.5°	664.7	663.0	661.3	659.6	659.6	659.6	661.3	663.0	663.0	666.3	669.7
15°	657.9	657.9	656.3	654.6	654.6	654.6	656.3	657.9	659.6	663.0	668.0
17.5°	651.2	651.2	649.5	649.5	649.5	649.5	651.2	652.9	656.3	659.6	664.7
20°	642.8	642.8	641.1	641.1	641.1	642.8	642.8	646.2	649.5	654.6	659.6
22.5°	632.7	632.7	632.7	631.0	632.7	634.4	636.1	639.4	642.8	647.8	654.6
25°	620.9	620.9	620.9	620.9	622.6	622.6	626.0	629.3	632.7	639.4	646.2
27.5°	609.1	609.1	609.1	607.5	610.8	612.5	614.2	619.2	622.6	631.0	637.7
30°	594.0	594.0	594.0	595.7	597.4	599.0	602.4	607.5	610.8	619.2	627.6
32.5°	578.8	578.8	578.8	578.8	583.9	585.6	587.3	592.3	599.0	607.5	615.9
35°	562.0	562.0	562.0	563.7	567.1	568.8	572.1	577.2	583.9	592.3	600.7
37.5°	543.5	545.2	545.2	546.9	550.2	553.6	557.0	562.0	568.8	577.2	585.6
40°	523.3	525.0	525.0	526.7	530.1	533.4	536.8	543.5	550.2	558.7	567.1
42.5°	503.1	504.8	504.8	508.2	511.5	514.9	518.3	525.0	531.7	540.1	546.9
45°	481.3	482.9	482.9	486.3	491.3	493.0	498.1	504.8	511.5	518.3	525.0
47.5°	457.7	459.4	459.4	462.7	467.8	471.2	474.5	481.3	486.3	494.7	501.4
50°	430.8	432.5	434.1	437.5	444.2	447.6	451.0	456.0	462.7	467.8	474.5
52.5°	405.5	405.5	407.2	410.6	415.6	419.0	420.7	425.7	434.1	440.9	447.6
55°	376.9	378.6	380.3	383.7	388.7	392.1	393.8	398.8	403.8	408.9	415.6
57.5°	351.7	351.7	353.4	356.7	361.8	363.5	365.1	368.5	375.2	380.3	385.3
60°	321.4	323.1	324.8	328.1	331.5	334.9	334.9	339.9	345.0	350.0	353.4
62.5°	294.5	294.5	296.2	299.5	301.2	304.6	304.6	309.6	313.0	318.0	321.4
65°	262.5	264.2	265.9	267.5	270.9	270.9	272.6	276.0	279.3	282.7	287.7
67.5°	233.9	233.9	235.6	237.3	238.9	238.9	240.6	244.0	247.4	250.7	254.1
70°	201.9	203.6	203.6	203.6	205.3	207.0	208.7	210.3	213.7	215.4	218.8
72.5°	170.0	170.0	171.6	171.6	173.3	175.0	176.7	178.4	180.0	183.4	185.1
75°	138.0	138.0	139.7	139.7	141.3	141.3	141.3	144.7	146.4	149.8	151.4
77.5°	106.0	107.7	107.7	107.7	109.4	111.1	111.1	112.7	116.1	117.8	119.5
80°	77.4	77.4	77.4	77.4	79.1	80.8	82.5	82.5	85.8	89.2	90.9
82.5°	48.8	48.8	50.5	52.2	52.2	53.8	55.5	57.2	60.6	62.3	63.9
85°	25.2	25.2	26.9	28.6	30.3	32.0	32.0	33.7	37.0	40.4	42.1
87.5°	8.4	10.1	10.1	11.8	13.5	15.1	16.8	18.5	21.9	25.2	26.9
90°	1.7	1.7	1.7	3.4	5.0	5.0	6.7	8.4	10.1	11.8	15.1
92.5°	15.1	15.1	13.5	15.1	15.1	15.1	15.1	16.8	18.5	18.5	21.9
95°	45.4	43.8	43.8	43.8	43.8	43.8	43.8	45.4	47.1	47.1	48.8
97.5°	87.5	87.5	85.8	85.8	87.5	87.5	87.5	89.2	92.5	90.9	94.2
100°	136.3	136.3	134.6	136.3	138.0	139.7	143.0	143.0	146.4	146.4	151.4
102.5°	191.8	191.8	190.1	193.5	195.2	198.6	198.6	201.9	207.0	207.0	213.7
105°	247.4	249.0	249.0	252.4	255.8	259.1	259.1	264.2	270.9	270.9	279.3
107.5°	307.9	309.6	309.6	313.0	316.3	319.7	321.4	328.1	334.9	336.5	346.6
110°	366.8	368.5	370.2	373.6	376.9	382.0	385.3	392.1	400.5	403.8	412.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	422.4	429.1	430.8	435.8	440.9	445.9	449.3	457.7	467.8	472.8	482.9
115°	486.3	489.7	491.3	496.4	503.1	508.2	511.5	520.0	530.1	536.8	548.6
117.5°	538.5	546.9	548.6	553.6	560.3	565.4	568.8	578.8	590.6	599.0	610.8
120°	594.0	600.7	607.5	610.8	615.9	622.6	626.0	636.1	649.5	657.9	671.4
122.5°	644.5	651.2	657.9	663.0	669.7	673.1	678.1	689.9	703.4	713.5	726.9
125°	695.0	703.4	708.4	713.5	721.9	725.2	730.3	742.1	755.5	767.3	780.8
127.5°	743.8	748.8	757.2	760.6	769.0	772.4	777.4	790.9	804.3	816.1	829.6
130°	789.2	795.9	802.6	804.3	814.4	819.5	824.5	836.3	851.4	863.2	876.7
132.5°	832.9	836.3	844.7	849.8	858.2	863.2	868.3	878.4	893.5	905.3	918.8
135°	873.3	876.7	886.8	891.8	896.9	901.9	908.7	918.8	933.9	945.7	959.1
137.5°	913.7	917.1	927.2	932.2	935.6	940.6	945.7	955.8	970.9	982.7	994.5
140°	950.7	954.1	960.8	967.6	970.9	974.3	979.3	989.4	1002.9	1014.7	1026.4
142.5°	984.4	987.7	994.5	1001.2	1006.3	1006.3	1011.3	1019.7	1034.9	1046.6	1056.7
145°	1016.4	1018.0	1024.8	1031.5	1038.2	1038.2	1039.9	1048.3	1061.8	1075.2	1085.3
147.5°	1046.6	1048.3	1053.4	1060.1	1065.1	1066.8	1070.2	1073.6	1087.0	1100.5	1112.3
150°	1073.6	1075.2	1078.6	1085.3	1088.7	1092.1	1095.4	1097.1	1107.2	1119.0	1132.5
152.5°	1097.1	1098.8	1102.2	1107.2	1110.6	1113.9	1117.3	1122.4	1127.4	1139.2	1147.6
155°	1120.7	1122.4	1124.0	1129.1	1132.5	1134.1	1135.8	1142.6	1147.6	1154.3	1162.7
157.5°	1140.9	1140.9	1142.6	1145.9	1149.3	1149.3	1151.0	1157.7	1162.7	1169.5	1174.5
160°	1157.7	1157.7	1159.4	1162.7	1162.7	1164.4	1166.1	1171.2	1174.5	1182.9	1189.7
162.5°	1172.8	1171.2	1172.8	1174.5	1174.5	1174.5	1176.2	1179.6	1184.6	1191.4	1198.1
165°	1184.6	1184.6	1184.6	1186.3	1186.3	1184.6	1184.6	1188.0	1191.4	1196.4	1201.4
167.5°	1194.7	1194.7	1193.0	1194.7	1193.0	1193.0	1191.4	1193.0	1194.7	1199.8	1203.1
170°	1203.1	1201.4	1201.4	1201.4	1199.8	1198.1	1198.1	1198.1	1198.1	1201.4	1204.8
172.5°	1209.9	1208.2	1206.5	1206.5	1203.1	1201.4	1201.4	1199.8	1199.8	1201.4	1203.1
175°	1211.5	1209.9	1208.2	1208.2	1204.8	1203.1	1201.4	1201.4	1199.8	1201.4	1203.1
177.5°	1214.9	1213.2	1209.9	1209.9	1206.5	1203.1	1203.1	1201.4	1199.8	1201.4	1201.4
180°	1198.1	1198.1	1198.1	1198.1	1198.1	1198.1	1198.1	1198.1	1198.1	1198.1	1198.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4	671.4
2.5°	674.8	674.8	673.1	671.4	671.4	669.7	668.0	666.3	664.7	663.0
5°	674.8	673.1	671.4	671.4	669.7	669.7	669.7	668.0	666.3	666.3
7.5°	674.8	674.8	673.1	671.4	671.4	671.4	671.4	671.4	669.7	669.7
10°	674.8	673.1	673.1	673.1	671.4	673.1	673.1	671.4	671.4	669.7
12.5°	673.1	673.1	673.1	673.1	673.1	673.1	673.1	673.1	673.1	671.4
15°	669.7	671.4	671.4	673.1	673.1	673.1	674.8	674.8	673.1	673.1
17.5°	668.0	669.7	671.4	673.1	673.1	673.1	674.8	674.8	674.8	674.8
20°	664.7	666.3	668.0	669.7	669.7	671.4	671.4	673.1	673.1	673.1
22.5°	657.9	659.6	663.0	664.7	666.3	668.0	669.7	669.7	669.7	669.7
25°	651.2	654.6	656.3	659.6	661.3	663.0	664.7	664.7	664.7	666.3
27.5°	642.8	646.2	651.2	652.9	654.6	656.3	657.9	659.6	659.6	659.6
30°	632.7	637.7	641.1	644.5	646.2	647.8	649.5	649.5	651.2	651.2
32.5°	620.9	626.0	629.3	632.7	634.4	636.1	639.4	639.4	641.1	641.1
35°	605.8	610.8	615.9	619.2	620.9	622.6	626.0	627.6	627.6	627.6
37.5°	590.6	595.7	600.7	605.8	607.5	609.1	612.5	612.5	614.2	614.2
40°	572.1	577.2	582.2	587.3	587.3	590.6	592.3	594.0	595.7	595.7
42.5°	553.6	558.7	562.0	567.1	568.8	570.4	572.1	575.5	575.5	577.2
45°	531.7	536.8	540.1	545.2	546.9	548.6	551.9	553.6	555.3	555.3
47.5°	508.2	511.5	514.9	520.0	523.3	525.0	526.7	528.4	530.1	528.4
50°	481.3	484.6	489.7	494.7	496.4	498.1	501.4	501.4	503.1	503.1
52.5°	452.6	457.7	461.1	466.1	467.8	469.5	472.8	472.8	474.5	474.5
55°	420.7	424.0	427.4	435.8	437.5	439.2	442.6	442.6	444.2	445.9
57.5°	390.4	392.1	397.1	400.5	403.8	403.8	405.5	407.2	408.9	408.9
60°	358.4	360.1	363.5	368.5	368.5	370.2	373.6	373.6	375.2	375.2
62.5°	324.8	328.1	331.5	336.5	334.9	336.5	339.9	339.9	341.6	341.6
65°	291.1	292.8	296.2	299.5	301.2	301.2	302.9	304.6	306.3	306.3
67.5°	255.8	259.1	260.8	265.9	264.2	265.9	267.5	267.5	269.2	269.2
70°	222.1	223.8	227.2	228.8	228.8	230.5	232.2	232.2	232.2	233.9
72.5°	188.5	190.1	191.8	193.5	193.5	195.2	196.9	196.9	198.6	198.6
75°	153.1	156.5	158.2	161.5	159.9	161.5	164.9	164.9	164.9	164.9
77.5°	122.8	124.5	127.9	129.6	129.6	129.6	132.9	131.3	132.9	132.9
80°	92.5	94.2	97.6	99.3	99.3	101.0	102.6	102.6	102.6	104.3
82.5°	65.6	69.0	72.4	74.0	74.0	75.7	77.4	77.4	79.1	79.1
85°	45.4	48.8	52.2	52.2	53.8	55.5	57.2	57.2	57.2	57.2
87.5°	30.3	32.0	33.7	35.3	37.0	37.0	38.7	38.7	40.4	40.4
90°	16.8	18.5	20.2	21.9	21.9	23.6	23.6	25.2	25.2	25.2
92.5°	23.6	23.6	25.2	26.9	26.9	26.9	26.9	28.6	28.6	28.6
95°	50.5	52.2	52.2	55.5	55.5	55.5	57.2	57.2	57.2	57.2
97.5°	97.6	97.6	97.6	101.0	101.0	101.0	102.6	102.6	102.6	104.3
100°	153.1	154.8	154.8	159.9	158.2	161.5	161.5	161.5	161.5	163.2
102.5°	215.4	218.8	220.4	225.5	225.5	225.5	228.8	227.2	228.8	228.8
105°	282.7	286.1	287.7	292.8	296.2	296.2	299.5	297.8	299.5	301.2
107.5°	350.0	355.0	358.4	363.5	366.8	368.5	368.5	370.2	371.9	373.6
110°	419.0	424.0	432.5	437.5	439.2	442.6	444.2	445.9	447.6	451.0



TEST NUMBER: P395642

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

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	491.3	496.4	503.1	509.9	508.2	513.2	516.6	518.3	520.0	518.3
115°	557.0	563.7	570.4	577.2	577.2	580.5	587.3	588.9	588.9	592.3
117.5°	619.2	627.6	634.4	641.1	642.8	646.2	651.2	656.3	656.3	659.6
120°	679.8	689.9	696.6	703.4	706.7	708.4	713.5	720.2	720.2	720.2
122.5°	737.0	745.4	753.8	760.6	763.9	767.3	770.7	779.1	779.1	782.5
125°	790.9	801.0	809.4	816.1	819.5	822.8	829.6	834.6	836.3	836.3
127.5°	841.4	851.4	859.9	868.3	870.0	873.3	880.1	886.8	888.5	890.1
130°	888.5	898.6	907.0	915.4	918.8	920.4	928.9	933.9	937.3	938.9
132.5°	930.5	940.6	949.0	957.5	960.8	964.2	969.2	977.6	979.3	979.3
135°	969.2	979.3	987.7	997.8	999.5	1002.9	1009.6	1014.7	1018.0	1019.7
137.5°	1004.6	1014.7	1024.8	1033.2	1036.5	1038.2	1045.0	1051.7	1055.1	1056.7
140°	1036.5	1046.6	1056.7	1063.5	1065.1	1070.2	1075.2	1082.0	1085.3	1087.0
142.5°	1066.8	1075.2	1083.7	1092.1	1093.8	1097.1	1102.2	1108.9	1112.3	1113.9
145°	1093.8	1102.2	1108.9	1115.6	1117.3	1120.7	1125.7	1130.8	1134.1	1135.8
147.5°	1119.0	1125.7	1132.5	1137.5	1139.2	1142.6	1145.9	1149.3	1152.6	1154.3
150°	1140.9	1144.2	1151.0	1154.3	1156.0	1159.4	1162.7	1166.1	1169.5	1171.2
152.5°	1157.7	1162.7	1166.1	1171.2	1172.8	1174.5	1177.9	1181.3	1184.6	1184.6
155°	1171.2	1176.2	1179.6	1184.6	1186.3	1188.0	1191.4	1193.0	1196.4	1196.4
157.5°	1181.3	1186.3	1189.7	1193.0	1194.7	1196.4	1198.1	1201.4	1204.8	1204.8
160°	1193.0	1194.7	1196.4	1199.8	1199.8	1201.4	1203.1	1204.8	1208.2	1208.2
162.5°	1203.1	1204.8	1201.4	1203.1	1201.4	1203.1	1204.8	1206.5	1208.2	1208.2
165°	1206.5	1209.9	1208.2	1209.9	1209.9	1209.9	1209.9	1211.5	1211.5	1211.5
167.5°	1206.5	1209.9	1208.2	1208.2	1209.9	1209.9	1211.5	1213.2	1213.2	1213.2
170°	1206.5	1208.2	1206.5	1204.8	1206.5	1206.5	1206.5	1208.2	1208.2	1208.2
172.5°	1204.8	1206.5	1203.1	1201.4	1201.4	1201.4	1199.8	1199.8	1198.1	1198.1
175°	1203.1	1203.1	1199.8	1198.1	1198.1	1198.1	1194.7	1193.0	1191.4	1189.7
177.5°	1201.4	1201.4	1196.4	1194.7	1194.7	1193.0	1193.0	1189.7	1189.7	1188.0
180°	1198.1	1198.1	1198.1	1198.1	1198.1	1198.1	1198.1	1198.1	1198.1	1198.1

(END OF REPORT)