

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: P395638

Luminaire Tested: **I3-FL-80L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395638
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-80L92765-1D-UNV-W2A-W-4 (5000K)
Description: CORELITE I3, FROSTED TOP COVER
8000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6707.8 lumens
Efficiency: N/A
Efficacy: 105.3 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

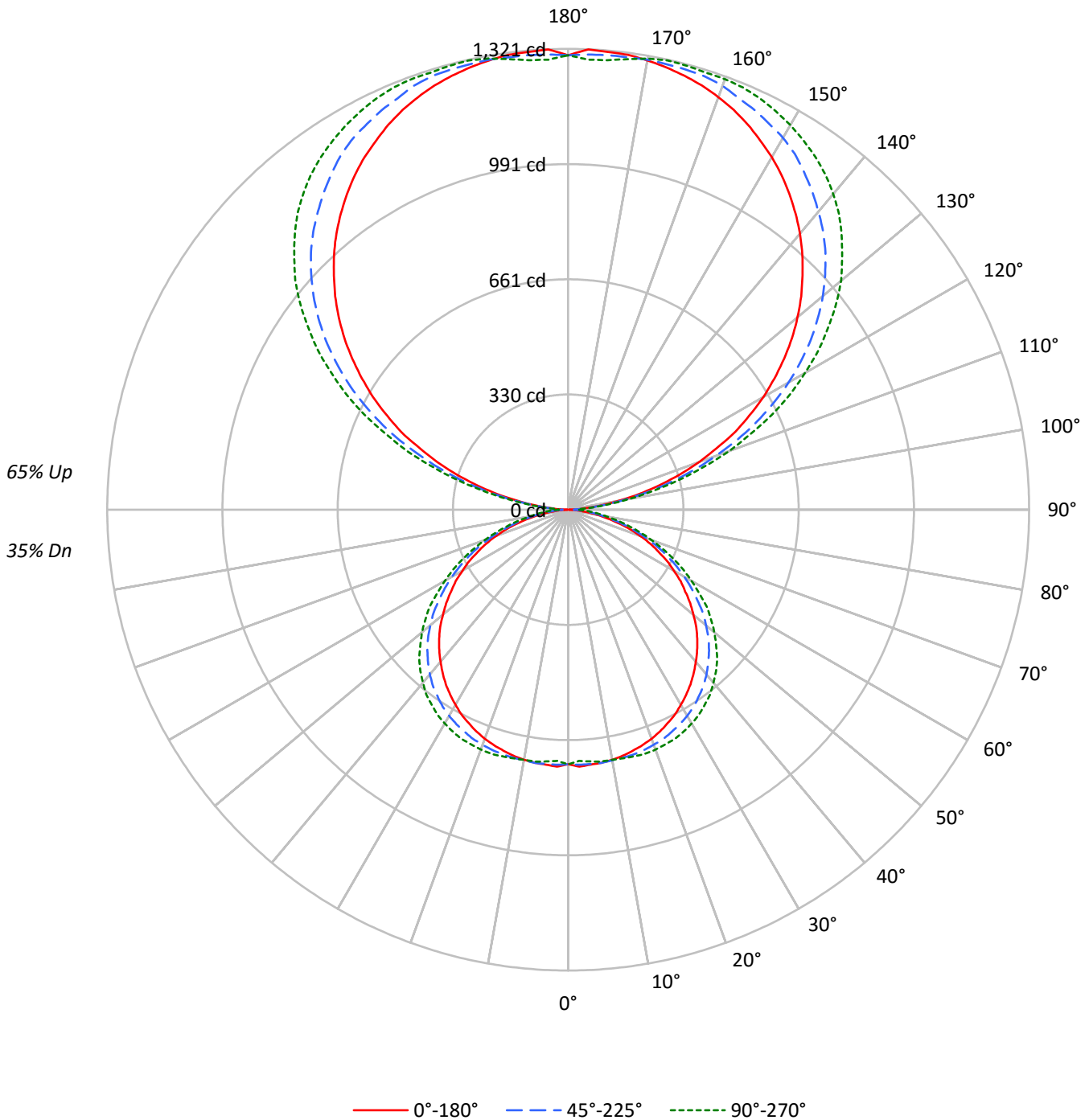
Input Watts (W): 63.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	4011	4011	4011
5°	4032	3945	3884
10°	4033	3891	3838
15°	4024	3858	3822
20°	4025	3824	3817
25°	4014	3790	3802
30°	4000	3754	3768
35°	3981	3694	3712
40°	3941	3616	3630
45°	3900	3505	3519
50°	3811	3350	3347
55°	3701	3138	3147
60°	3577	2891	2843
65°	3401	2591	2525
70°	3158	2209	2133
75°	2749	1755	1697
80°	2144	1247	1242
85°	1163	714	816



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CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (5000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.6	1.0
10°-20°	204.7	3.1
20°-30°	322.8	4.8
30°-40°	405.7	6.0
40°-50°	436.2	6.5
50°-60°	401.2	6.0
60°-70°	307.4	4.6
70°-80°	175.0	2.6
80°-90°	54.7	0.8
90°-100°	73.1	1.1
100°-110°	317.9	4.7
110°-120°	582.0	8.7
120°-130°	750.2	11.2
130°-140°	798.2	11.9
140°-150°	734.4	10.9
150°-160°	581.8	8.7
160°-170°	368.4	5.5
170°-180°	124.7	1.9
0°-30°	597.0	8.9
0°-40°	1002.7	14.9
0°-60°	1840.0	27.4
0°-90°	2377.1	35.4
90°-120°	973.0	14.5
90°-150°	3255.7	48.5
90°-180°	4331.0	64.6
0°-180°	6707.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	730	730	730	730	730	
5°	734	726	732	728	724	70
15°	715	712	726	732	732	202
25°	675	677	702	719	724	311
35°	611	618	653	675	682	382
45°	523	536	571	594	604	403
55°	410	426	452	476	485	367
65°	285	294	313	327	333	283
75°	150	154	165	174	179	159
85°	27	35	46	58	62	35
90°	2	6	16	24	27	4
95°	49	48	53	60	62	62
105°	269	282	304	322	327	286
115°	529	552	596	627	644	518
125°	756	788	849	891	909	675
135°	949	980	1043	1086	1108	733
145°	1105	1129	1180	1215	1235	691
155°	1218	1233	1264	1290	1301	562
165°	1288	1288	1306	1315	1317	364
175°	1317	1308	1308	1302	1293	125
180°	1302	1302	1302	1302	1302	



TEST NUMBER: P395638

CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	729.8	729.8	729.8	729.8	729.8	729.8	729.8	729.8	729.8	729.8	729.8
2.5°	737.2	735.3	733.5	729.8	729.8	728.0	728.0	728.0	728.0	729.8	731.7
5°	733.5	733.5	731.7	728.0	728.0	726.2	726.2	728.0	726.2	728.0	731.7
7.5°	731.7	731.7	729.8	726.2	726.2	726.2	726.2	726.2	726.2	728.0	731.7
10°	728.0	728.0	724.4	722.5	722.5	722.5	722.5	724.4	724.4	726.2	729.8
12.5°	722.5	720.7	718.9	717.0	717.0	717.0	718.9	720.7	720.7	724.4	728.0
15°	715.2	715.2	713.4	711.6	711.6	711.6	713.4	715.2	717.0	720.7	726.2
17.5°	707.9	707.9	706.1	706.1	706.1	706.1	707.9	709.7	713.4	717.0	722.5
20°	698.8	698.8	696.9	696.9	696.9	698.8	698.8	702.4	706.1	711.6	717.0
22.5°	687.8	687.8	687.8	685.9	687.8	689.6	691.4	695.1	698.8	704.2	711.6
25°	675.0	675.0	675.0	675.0	676.8	676.8	680.5	684.1	687.8	695.1	702.4
27.5°	662.2	662.2	662.2	660.3	664.0	665.8	667.7	673.1	676.8	685.9	693.3
30°	645.7	645.7	645.7	647.5	649.4	651.2	654.9	660.3	664.0	673.1	682.3
32.5°	629.2	629.2	629.2	629.2	634.7	636.6	638.4	643.9	651.2	660.3	669.5
35°	611.0	611.0	611.0	612.8	616.4	618.3	621.9	627.4	634.7	643.9	653.0
37.5°	590.8	592.7	592.7	594.5	598.1	601.8	605.5	611.0	618.3	627.4	636.6
40°	568.9	570.7	570.7	572.5	576.2	579.9	583.5	590.8	598.1	607.3	616.4
42.5°	546.9	548.8	548.8	552.4	556.1	559.7	563.4	570.7	578.0	587.2	594.5
45°	523.1	525.0	525.0	528.6	534.1	536.0	541.4	548.8	556.1	563.4	570.7
47.5°	497.5	499.4	499.4	503.0	508.5	512.2	515.8	523.1	528.6	537.8	545.1
50°	468.3	470.1	471.9	475.6	482.9	486.6	490.2	495.7	503.0	508.5	515.8
52.5°	440.8	440.8	442.7	446.3	451.8	455.5	457.3	462.8	471.9	479.2	486.6
55°	409.7	411.6	413.4	417.1	422.5	426.2	428.0	433.5	439.0	444.5	451.8
57.5°	382.3	382.3	384.1	387.8	393.3	395.1	396.9	400.6	407.9	413.4	418.9
60°	349.4	351.2	353.0	356.7	360.4	364.0	364.0	369.5	375.0	380.5	384.1
62.5°	320.1	320.1	321.9	325.6	327.4	331.1	331.1	336.6	340.2	345.7	349.4
65°	285.4	287.2	289.0	290.8	294.5	294.5	296.3	300.0	303.6	307.3	312.8
67.5°	254.3	254.3	256.1	257.9	259.7	259.7	261.6	265.2	268.9	272.5	276.2
70°	219.5	221.3	221.3	221.3	223.2	225.0	226.8	228.6	232.3	234.1	237.8
72.5°	184.7	184.7	186.6	186.6	188.4	190.2	192.1	193.9	195.7	199.4	201.2
75°	150.0	150.0	151.8	151.8	153.7	153.7	153.7	157.3	159.1	162.8	164.6
77.5°	115.2	117.1	117.1	117.1	118.9	120.7	120.7	122.6	126.2	128.0	129.9
80°	84.1	84.1	84.1	84.1	86.0	87.8	89.6	89.6	93.3	96.9	98.8
82.5°	53.0	53.0	54.9	56.7	56.7	58.5	60.4	62.2	65.9	67.7	69.5
85°	27.4	27.4	29.3	31.1	32.9	34.8	34.8	36.6	40.2	43.9	45.7
87.5°	9.1	11.0	11.0	12.8	14.6	16.5	18.3	20.1	23.8	27.4	29.3
90°	1.8	1.8	1.8	3.7	5.5	5.5	7.3	9.1	11.0	12.8	16.5
92.5°	16.5	16.5	14.6	16.5	16.5	16.5	16.5	18.3	20.1	20.1	23.8
95°	49.4	47.6	47.6	47.6	47.6	47.6	47.6	49.4	51.2	51.2	53.0
97.5°	95.1	95.1	93.3	93.3	95.1	95.1	95.1	96.9	100.6	98.8	102.4
100°	148.2	148.2	146.3	148.2	150.0	151.8	155.5	155.5	159.1	159.1	164.6
102.5°	208.5	208.5	206.7	210.4	212.2	215.8	215.8	219.5	225.0	225.0	232.3
105°	268.9	270.7	270.7	274.4	278.0	281.7	281.7	287.2	294.5	294.5	303.6
107.5°	334.7	336.6	336.6	340.2	343.9	347.5	349.4	356.7	364.0	365.8	376.8
110°	398.8	400.6	402.4	406.1	409.7	415.2	418.9	426.2	435.3	439.0	448.2



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CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	459.1	466.4	468.3	473.8	479.2	484.7	488.4	497.5	508.5	514.0	525.0
115°	528.6	532.3	534.1	539.6	546.9	552.4	556.1	565.2	576.2	583.5	596.3
117.5°	585.3	594.5	596.3	601.8	609.1	614.6	618.3	629.2	642.0	651.2	664.0
120°	645.7	653.0	660.3	664.0	669.5	676.8	680.5	691.4	706.1	715.2	729.8
122.5°	700.6	707.9	715.2	720.7	728.0	731.7	737.2	750.0	764.6	775.6	790.2
125°	755.5	764.6	770.1	775.6	784.7	788.4	793.9	806.7	821.3	834.1	848.7
127.5°	808.5	814.0	823.1	826.8	835.9	839.6	845.1	859.7	874.4	887.2	901.8
130°	857.9	865.2	872.5	874.4	885.3	890.8	896.3	909.1	925.6	938.4	953.0
132.5°	905.5	909.1	918.3	923.7	932.9	938.4	943.9	954.8	971.3	984.1	998.7
135°	949.4	953.0	964.0	969.5	975.0	980.4	987.8	998.7	1015.2	1028.0	1042.6
137.5°	993.3	996.9	1007.9	1013.4	1017.0	1022.5	1028.0	1039.0	1055.4	1068.2	1081.1
140°	1033.5	1037.2	1044.5	1051.8	1055.4	1059.1	1064.6	1075.6	1090.2	1103.0	1115.8
142.5°	1070.1	1073.7	1081.1	1088.4	1093.9	1093.9	1099.3	1108.5	1125.0	1137.8	1148.7
145°	1104.8	1106.7	1114.0	1121.3	1128.6	1128.6	1130.4	1139.6	1154.2	1168.9	1179.8
147.5°	1137.8	1139.6	1145.1	1152.4	1157.9	1159.7	1163.4	1167.0	1181.7	1196.3	1209.1
150°	1167.0	1168.9	1172.5	1179.8	1183.5	1187.1	1190.8	1192.6	1203.6	1216.4	1231.0
152.5°	1192.6	1194.5	1198.1	1203.6	1207.3	1210.9	1214.6	1220.1	1225.6	1238.4	1247.5
155°	1218.2	1220.1	1221.9	1227.4	1231.0	1232.9	1234.7	1242.0	1247.5	1254.8	1264.0
157.5°	1240.2	1240.2	1242.0	1245.7	1249.3	1249.3	1251.2	1258.5	1264.0	1271.3	1276.8
160°	1258.5	1258.5	1260.3	1264.0	1264.0	1265.8	1267.6	1273.1	1276.8	1285.9	1293.2
162.5°	1274.9	1273.1	1274.9	1276.8	1276.8	1276.8	1278.6	1282.3	1287.8	1295.1	1302.4
165°	1287.8	1287.8	1287.8	1289.6	1289.6	1287.8	1287.8	1291.4	1295.1	1300.6	1306.0
167.5°	1298.7	1298.7	1296.9	1298.7	1296.9	1296.9	1295.1	1296.9	1298.7	1304.2	1307.9
170°	1307.9	1306.0	1306.0	1306.0	1304.2	1302.4	1302.4	1302.4	1302.4	1306.0	1309.7
172.5°	1315.2	1313.4	1311.5	1311.5	1307.9	1306.0	1306.0	1304.2	1304.2	1306.0	1307.9
175°	1317.0	1315.2	1313.4	1313.4	1309.7	1307.9	1306.0	1306.0	1304.2	1306.0	1307.9
177.5°	1320.7	1318.8	1315.2	1315.2	1311.5	1307.9	1307.9	1306.0	1304.2	1306.0	1306.0
180°	1302.4	1302.4	1302.4	1302.4	1302.4	1302.4	1302.4	1302.4	1302.4	1302.4	1302.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	729.8	729.8	729.8	729.8	729.8	729.8	729.8	729.8	729.8	729.8
2.5°	733.5	733.5	731.7	729.8	729.8	728.0	726.2	724.4	722.5	720.7
5°	733.5	731.7	729.8	729.8	728.0	728.0	728.0	726.2	724.4	724.4
7.5°	733.5	733.5	731.7	729.8	729.8	729.8	729.8	729.8	728.0	728.0
10°	733.5	731.7	731.7	731.7	729.8	731.7	731.7	729.8	729.8	728.0
12.5°	731.7	731.7	731.7	731.7	731.7	731.7	731.7	731.7	731.7	729.8
15°	728.0	729.8	729.8	731.7	731.7	731.7	733.5	733.5	731.7	731.7
17.5°	726.2	728.0	729.8	731.7	731.7	731.7	733.5	733.5	733.5	733.5
20°	722.5	724.4	726.2	728.0	728.0	729.8	729.8	731.7	731.7	731.7
22.5°	715.2	717.0	720.7	722.5	724.4	726.2	728.0	728.0	728.0	728.0
25°	707.9	711.6	713.4	717.0	718.9	720.7	722.5	722.5	722.5	724.4
27.5°	698.8	702.4	707.9	709.7	711.6	713.4	715.2	717.0	717.0	717.0
30°	687.8	693.3	696.9	700.6	702.4	704.2	706.1	706.1	707.9	707.9
32.5°	675.0	680.5	684.1	687.8	689.6	691.4	695.1	695.1	696.9	696.9
35°	658.5	664.0	669.5	673.1	675.0	676.8	680.5	682.3	682.3	682.3
37.5°	642.0	647.5	653.0	658.5	660.3	662.2	665.8	665.8	667.7	667.7
40°	621.9	627.4	632.9	638.4	638.4	642.0	643.9	645.7	647.5	647.5
42.5°	601.8	607.3	611.0	616.4	618.3	620.1	621.9	625.6	625.6	627.4
45°	578.0	583.5	587.2	592.7	594.5	596.3	600.0	601.8	603.6	603.6
47.5°	552.4	556.1	559.7	565.2	568.9	570.7	572.5	574.4	576.2	574.4
50°	523.1	526.8	532.3	537.8	539.6	541.4	545.1	545.1	546.9	546.9
52.5°	492.1	497.5	501.2	506.7	508.5	510.3	514.0	514.0	515.8	515.8
55°	457.3	461.0	464.6	473.8	475.6	477.4	481.1	481.1	482.9	484.7
57.5°	424.4	426.2	431.7	435.3	439.0	439.0	440.8	442.7	444.5	444.5
60°	389.6	391.4	395.1	400.6	400.6	402.4	406.1	406.1	407.9	407.9
62.5°	353.0	356.7	360.4	365.8	364.0	365.8	369.5	369.5	371.3	371.3
65°	316.5	318.3	321.9	325.6	327.4	327.4	329.3	331.1	332.9	332.9
67.5°	278.0	281.7	283.5	289.0	287.2	289.0	290.8	290.8	292.7	292.7
70°	241.5	243.3	246.9	248.8	248.8	250.6	252.4	252.4	252.4	254.3
72.5°	204.9	206.7	208.5	210.4	210.4	212.2	214.0	214.0	215.8	215.8
75°	166.5	170.1	171.9	175.6	173.8	175.6	179.3	179.3	179.3	179.3
77.5°	133.5	135.4	139.0	140.8	140.8	140.8	144.5	142.7	144.5	144.5
80°	100.6	102.4	106.1	107.9	107.9	109.8	111.6	111.6	111.6	113.4
82.5°	71.3	75.0	78.7	80.5	80.5	82.3	84.1	84.1	86.0	86.0
85°	49.4	53.0	56.7	56.7	58.5	60.4	62.2	62.2	62.2	62.2
87.5°	32.9	34.8	36.6	38.4	40.2	40.2	42.1	42.1	43.9	43.9
90°	18.3	20.1	22.0	23.8	23.8	25.6	25.6	27.4	27.4	27.4
92.5°	25.6	25.6	27.4	29.3	29.3	29.3	29.3	31.1	31.1	31.1
95°	54.9	56.7	56.7	60.4	60.4	60.4	62.2	62.2	62.2	62.2
97.5°	106.1	106.1	106.1	109.8	109.8	109.8	111.6	111.6	111.6	113.4
100°	166.5	168.3	168.3	173.8	171.9	175.6	175.6	175.6	175.6	177.4
102.5°	234.1	237.8	239.6	245.1	245.1	245.1	248.8	246.9	248.8	248.8
105°	307.3	311.0	312.8	318.3	321.9	321.9	325.6	323.8	325.6	327.4
107.5°	380.5	386.0	389.6	395.1	398.8	400.6	400.6	402.4	404.3	406.1
110°	455.5	461.0	470.1	475.6	477.4	481.1	482.9	484.7	486.6	490.2



TEST NUMBER: P395638

CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	534.1	539.6	546.9	554.2	552.4	557.9	561.6	563.4	565.2	563.4
115°	605.5	612.8	620.1	627.4	627.4	631.1	638.4	640.2	640.2	643.9
117.5°	673.1	682.3	689.6	696.9	698.8	702.4	707.9	713.4	713.4	717.0
120°	739.0	750.0	757.3	764.6	768.3	770.1	775.6	782.9	782.9	782.9
122.5°	801.2	810.3	819.5	826.8	830.5	834.1	837.8	846.9	846.9	850.6
125°	859.7	870.7	879.8	887.2	890.8	894.5	901.8	907.3	909.1	909.1
127.5°	914.6	925.6	934.7	943.9	945.7	949.4	956.7	964.0	965.8	967.6
130°	965.8	976.8	985.9	995.1	998.7	1000.6	1009.7	1015.2	1018.9	1020.7
132.5°	1011.5	1022.5	1031.7	1040.8	1044.5	1048.1	1053.6	1062.8	1064.6	1064.6
135°	1053.6	1064.6	1073.7	1084.7	1086.5	1090.2	1097.5	1103.0	1106.7	1108.5
137.5°	1092.0	1103.0	1114.0	1123.1	1126.8	1128.6	1135.9	1143.2	1146.9	1148.7
140°	1126.8	1137.8	1148.7	1156.1	1157.9	1163.4	1168.9	1176.2	1179.8	1181.7
142.5°	1159.7	1168.9	1178.0	1187.1	1189.0	1192.6	1198.1	1205.4	1209.1	1210.9
145°	1189.0	1198.1	1205.4	1212.8	1214.6	1218.2	1223.7	1229.2	1232.9	1234.7
147.5°	1216.4	1223.7	1231.0	1236.5	1238.4	1242.0	1245.7	1249.3	1253.0	1254.8
150°	1240.2	1243.9	1251.2	1254.8	1256.7	1260.3	1264.0	1267.6	1271.3	1273.1
152.5°	1258.5	1264.0	1267.6	1273.1	1274.9	1276.8	1280.4	1284.1	1287.8	1287.8
155°	1273.1	1278.6	1282.3	1287.8	1289.6	1291.4	1295.1	1296.9	1300.6	1300.6
157.5°	1284.1	1289.6	1293.2	1296.9	1298.7	1300.6	1302.4	1306.0	1309.7	1309.7
160°	1296.9	1298.7	1300.6	1304.2	1304.2	1306.0	1307.9	1309.7	1313.4	1313.4
162.5°	1307.9	1309.7	1306.0	1307.9	1306.0	1307.9	1309.7	1311.5	1313.4	1313.4
165°	1311.5	1315.2	1313.4	1315.2	1315.2	1315.2	1315.2	1317.0	1317.0	1317.0
167.5°	1311.5	1315.2	1313.4	1313.4	1315.2	1315.2	1317.0	1318.8	1318.8	1318.8
170°	1311.5	1313.4	1311.5	1309.7	1311.5	1311.5	1311.5	1313.4	1313.4	1313.4
172.5°	1309.7	1311.5	1307.9	1306.0	1306.0	1306.0	1304.2	1304.2	1302.4	1302.4
175°	1307.9	1307.9	1304.2	1302.4	1302.4	1302.4	1298.7	1296.9	1295.1	1293.2
177.5°	1306.0	1306.0	1300.6	1298.7	1298.7	1296.9	1296.9	1293.2	1293.2	1291.4
180°	1302.4	1302.4	1302.4	1302.4	1302.4	1302.4	1302.4	1302.4	1302.4	1302.4

(END OF REPORT)