

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: P395639

Luminaire Tested: **I3-FL-80L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395639
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 (5700K)
Description: CORELITE I3, FROSTED TOP COVER
8000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6845.7 lumens
Efficiency: N/A
Efficacy: 106.6 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

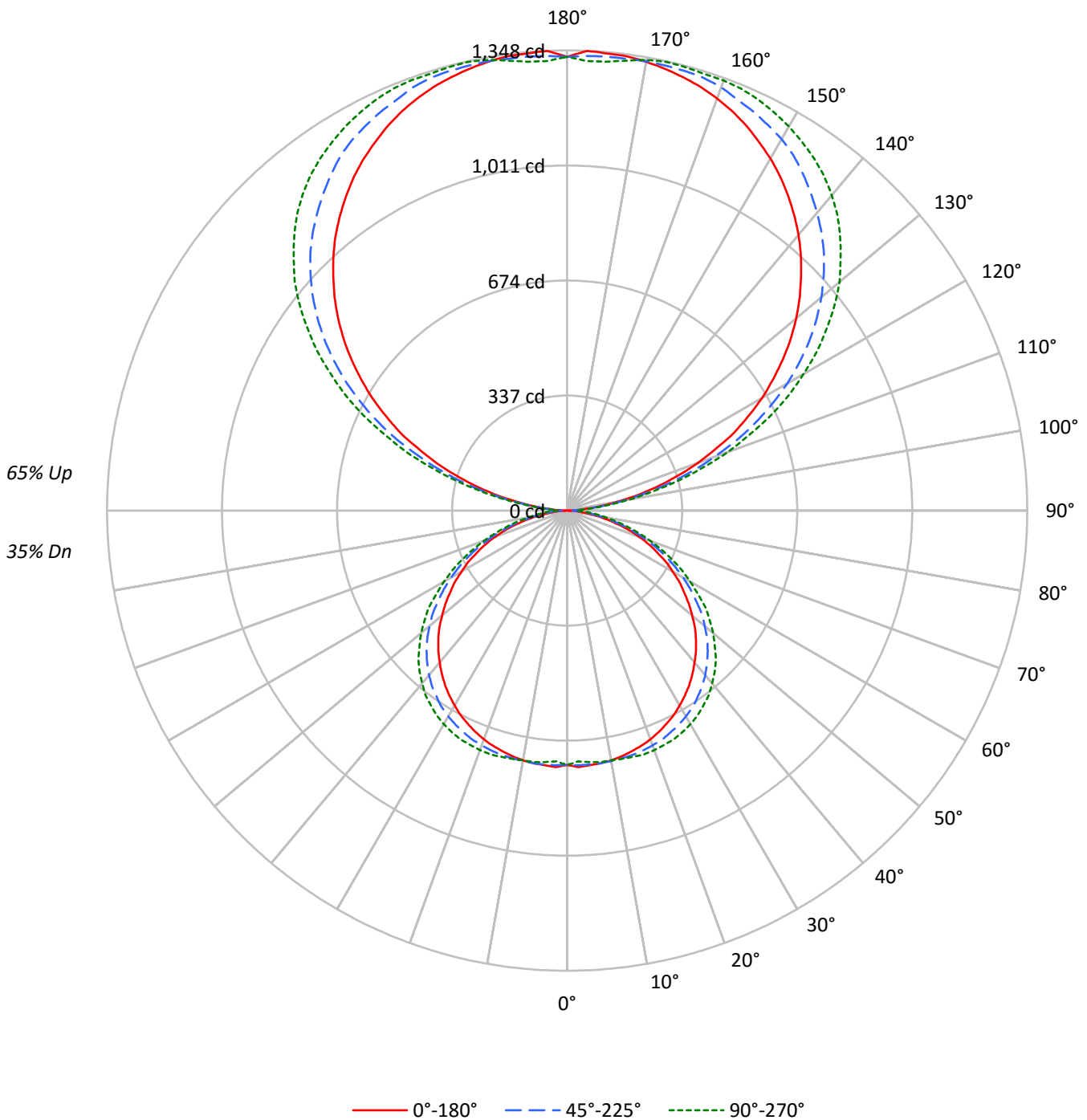
Input Watts (W): 64.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4094	4094	4094
5°	4115	4026	3963
10°	4116	3971	3917
15°	4107	3937	3901
20°	4107	3903	3895
25°	4097	3868	3880
30°	4082	3831	3845
35°	4063	3770	3788
40°	4022	3691	3705
45°	3981	3576	3591
50°	3889	3418	3416
55°	3778	3203	3212
60°	3651	2951	2901
65°	3471	2644	2577
70°	3223	2254	2177
75°	2806	1791	1731
80°	2190	1272	1267
85°	1188	729	833



TEST NUMBER: P395639

CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (5700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.0	1.0
10°-20°	208.9	3.1
20°-30°	329.4	4.8
30°-40°	414.0	6.0
40°-50°	445.1	6.5
50°-60°	409.5	6.0
60°-70°	313.7	4.6
70°-80°	178.6	2.6
80°-90°	55.8	0.8
90°-100°	74.6	1.1
100°-110°	324.4	4.7
110°-120°	593.9	8.7
120°-130°	765.6	11.2
130°-140°	814.6	11.9
140°-150°	749.5	10.9
150°-160°	593.8	8.7
160°-170°	376.0	5.5
170°-180°	127.3	1.9
0°-30°	609.3	8.9
0°-40°	1023.3	14.9
0°-60°	1877.9	27.4
0°-90°	2426.0	35.4
90°-120°	993.0	14.5
90°-150°	3322.7	48.5
90°-180°	4420.0	64.6
0°-180°	6845.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	745	745	745	745	745	
5°	749	741	747	743	739	71
15°	730	726	741	747	747	206
25°	689	691	717	734	739	318
35°	624	631	666	689	696	390
45°	534	547	582	607	616	411
55°	418	435	461	485	495	375
65°	291	301	319	334	340	289
75°	153	157	168	177	183	162
85°	28	36	47	60	64	35
90°	2	6	17	24	28	4
95°	50	48	54	62	64	63
105°	274	288	310	329	334	292
115°	540	564	609	640	657	529
125°	771	805	866	909	928	689
135°	969	1001	1064	1109	1131	748
145°	1128	1152	1204	1240	1260	706
155°	1243	1258	1290	1316	1327	573
165°	1314	1314	1333	1342	1344	371
175°	1344	1335	1335	1329	1320	128
180°	1329	1329	1329	1329	1329	



TEST NUMBER: P395639

CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	744.9	744.9	744.9	744.9	744.9	744.9	744.9	744.9	744.9	744.9	744.9
2.5°	752.3	750.5	748.6	744.9	744.9	743.0	743.0	743.0	743.0	744.9	746.7
5°	748.6	748.6	746.7	743.0	743.0	741.1	741.1	743.0	741.1	743.0	746.7
7.5°	746.7	746.7	744.9	741.1	741.1	741.1	741.1	741.1	741.1	743.0	746.7
10°	743.0	743.0	739.3	737.4	737.4	737.4	737.4	739.3	739.3	741.1	744.9
12.5°	737.4	735.5	733.7	731.8	731.8	731.8	733.7	735.5	735.5	739.3	743.0
15°	729.9	729.9	728.1	726.2	726.2	726.2	728.1	729.9	731.8	735.5	741.1
17.5°	722.5	722.5	720.6	720.6	720.6	720.6	722.5	724.3	728.1	731.8	737.4
20°	713.1	713.1	711.3	711.3	711.3	713.1	713.1	716.9	720.6	726.2	731.8
22.5°	701.9	701.9	701.9	700.1	701.9	703.8	705.7	709.4	713.1	718.7	726.2
25°	688.9	688.9	688.9	688.9	690.7	690.7	694.5	698.2	701.9	709.4	716.9
27.5°	675.8	675.8	675.8	673.9	677.7	679.5	681.4	687.0	690.7	700.1	707.5
30°	659.0	659.0	659.0	660.8	662.7	664.6	668.3	673.9	677.7	687.0	696.3
32.5°	642.2	642.2	642.2	642.2	647.8	649.6	651.5	657.1	664.6	673.9	683.3
35°	623.5	623.5	623.5	625.4	629.1	631.0	634.7	640.3	647.8	657.1	666.5
37.5°	603.0	604.8	604.8	606.7	610.4	614.2	617.9	623.5	631.0	640.3	649.6
40°	580.6	582.4	582.4	584.3	588.0	591.8	595.5	603.0	610.4	619.8	629.1
42.5°	558.2	560.0	560.0	563.8	567.5	571.2	575.0	582.4	589.9	599.2	606.7
45°	533.9	535.8	535.8	539.5	545.1	547.0	552.6	560.0	567.5	575.0	582.4
47.5°	507.8	509.6	509.6	513.4	519.0	522.7	526.4	533.9	539.5	548.8	556.3
50°	477.9	479.8	481.6	485.4	492.8	496.6	500.3	505.9	513.4	519.0	526.4
52.5°	449.9	449.9	451.8	455.5	461.1	464.8	466.7	472.3	481.6	489.1	496.6
55°	418.2	420.0	421.9	425.6	431.2	435.0	436.8	442.4	448.0	453.6	461.1
57.5°	390.2	390.2	392.0	395.8	401.4	403.2	405.1	408.8	416.3	421.9	427.5
60°	356.6	358.4	360.3	364.0	367.8	371.5	371.5	377.1	382.7	388.3	392.0
62.5°	326.7	326.7	328.6	332.3	334.2	337.9	337.9	343.5	347.2	352.8	356.6
65°	291.2	293.1	295.0	296.8	300.6	300.6	302.4	306.2	309.9	313.6	319.2
67.5°	259.5	259.5	261.4	263.2	265.1	265.1	267.0	270.7	274.4	278.2	281.9
70°	224.0	225.9	225.9	225.9	227.8	229.6	231.5	233.4	237.1	239.0	242.7
72.5°	188.5	188.5	190.4	190.4	192.3	194.1	196.0	197.9	199.7	203.5	205.3
75°	153.1	153.1	154.9	154.9	156.8	156.8	156.8	160.5	162.4	166.1	168.0
77.5°	117.6	119.5	119.5	119.5	121.3	123.2	123.2	125.1	128.8	130.7	132.5
80°	85.9	85.9	85.9	85.9	87.7	89.6	91.5	91.5	95.2	98.9	100.8
82.5°	54.1	54.1	56.0	57.9	57.9	59.7	61.6	63.5	67.2	69.1	70.9
85°	28.0	28.0	29.9	31.7	33.6	35.5	35.5	37.3	41.1	44.8	46.7
87.5°	9.3	11.2	11.2	13.1	14.9	16.8	18.7	20.5	24.3	28.0	29.9
90°	1.9	1.9	1.9	3.7	5.6	5.6	7.5	9.3	11.2	13.1	16.8
92.5°	16.8	16.8	14.9	16.8	16.8	16.8	16.8	18.7	20.5	20.5	24.3
95°	50.4	48.5	48.5	48.5	48.5	48.5	48.5	50.4	52.3	52.3	54.1
97.5°	97.1	97.1	95.2	95.2	97.1	97.1	97.1	98.9	102.7	100.8	104.5
100°	151.2	151.2	149.3	151.2	153.1	154.9	158.7	158.7	162.4	162.4	168.0
102.5°	212.8	212.8	210.9	214.7	216.5	220.3	220.3	224.0	229.6	229.6	237.1
105°	274.4	276.3	276.3	280.0	283.8	287.5	287.5	293.1	300.6	300.6	309.9
107.5°	341.6	343.5	343.5	347.2	351.0	354.7	356.6	364.0	371.5	373.4	384.6
110°	407.0	408.8	410.7	414.4	418.2	423.8	427.5	435.0	444.3	448.0	457.4



TEST NUMBER: P395639

CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	468.6	476.0	477.9	483.5	489.1	494.7	498.4	507.8	519.0	524.6	535.8
115°	539.5	543.2	545.1	550.7	558.2	563.8	567.5	576.8	588.0	595.5	608.6
117.5°	597.4	606.7	608.6	614.2	621.6	627.2	631.0	642.2	655.2	664.6	677.7
120°	659.0	666.5	673.9	677.7	683.3	690.7	694.5	705.7	720.6	729.9	744.9
122.5°	715.0	722.5	729.9	735.5	743.0	746.7	752.3	765.4	780.3	791.5	806.5
125°	771.0	780.3	785.9	791.5	800.9	804.6	810.2	823.3	838.2	851.3	866.2
127.5°	825.1	830.7	840.1	843.8	853.1	856.9	862.5	877.4	892.3	905.4	920.3
130°	875.5	883.0	890.5	892.3	903.5	909.1	914.7	927.8	944.6	957.7	972.6
132.5°	924.1	927.8	937.1	942.7	952.1	957.7	963.3	974.5	991.3	1004.3	1019.3
135°	968.9	972.6	983.8	989.4	995.0	1000.6	1008.1	1019.3	1036.1	1049.1	1064.1
137.5°	1013.7	1017.4	1028.6	1034.2	1037.9	1043.5	1049.1	1060.3	1077.1	1090.2	1103.3
140°	1054.7	1058.5	1065.9	1073.4	1077.1	1080.9	1086.5	1097.7	1112.6	1125.7	1138.8
142.5°	1092.1	1095.8	1103.3	1110.8	1116.4	1116.4	1122.0	1131.3	1148.1	1161.2	1172.4
145°	1127.6	1129.4	1136.9	1144.4	1151.8	1151.8	1153.7	1163.0	1178.0	1192.9	1204.1
147.5°	1161.2	1163.0	1168.6	1176.1	1181.7	1183.6	1187.3	1191.0	1206.0	1220.9	1234.0
150°	1191.0	1192.9	1196.6	1204.1	1207.8	1211.6	1215.3	1217.2	1228.4	1241.4	1256.4
152.5°	1217.2	1219.0	1222.8	1228.4	1232.1	1235.8	1239.6	1245.2	1250.8	1263.8	1273.2
155°	1243.3	1245.2	1247.0	1252.6	1256.4	1258.2	1260.1	1267.6	1273.2	1280.6	1290.0
157.5°	1265.7	1265.7	1267.6	1271.3	1275.0	1275.0	1276.9	1284.4	1290.0	1297.4	1303.0
160°	1284.4	1284.4	1286.2	1290.0	1290.0	1291.8	1293.7	1299.3	1303.0	1312.4	1319.8
162.5°	1301.2	1299.3	1301.2	1303.0	1303.0	1303.0	1304.9	1308.6	1314.2	1321.7	1329.2
165°	1314.2	1314.2	1314.2	1316.1	1316.1	1314.2	1314.2	1318.0	1321.7	1327.3	1332.9
167.5°	1325.4	1325.4	1323.6	1325.4	1323.6	1323.6	1321.7	1323.6	1325.4	1331.0	1334.8
170°	1334.8	1332.9	1332.9	1332.9	1331.0	1329.2	1329.2	1329.2	1329.2	1332.9	1336.6
172.5°	1342.2	1340.4	1338.5	1338.5	1334.8	1332.9	1332.9	1331.0	1331.0	1332.9	1334.8
175°	1344.1	1342.2	1340.4	1340.4	1336.6	1334.8	1332.9	1332.9	1331.0	1332.9	1334.8
177.5°	1347.8	1346.0	1342.2	1342.2	1338.5	1334.8	1334.8	1332.9	1331.0	1332.9	1332.9
180°	1329.2	1329.2	1329.2	1329.2	1329.2	1329.2	1329.2	1329.2	1329.2	1329.2	1329.2



TEST NUMBER: P395639

CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	744.9	744.9	744.9	744.9	744.9	744.9	744.9	744.9	744.9	744.9
2.5°	748.6	748.6	746.7	744.9	744.9	743.0	741.1	739.3	737.4	735.5
5°	748.6	746.7	744.9	744.9	743.0	743.0	743.0	741.1	739.3	739.3
7.5°	748.6	748.6	746.7	744.9	744.9	744.9	744.9	744.9	743.0	743.0
10°	748.6	746.7	746.7	746.7	744.9	746.7	746.7	744.9	744.9	743.0
12.5°	746.7	746.7	746.7	746.7	746.7	746.7	746.7	746.7	746.7	744.9
15°	743.0	744.9	744.9	746.7	746.7	746.7	748.6	748.6	746.7	746.7
17.5°	741.1	743.0	744.9	746.7	746.7	746.7	748.6	748.6	748.6	748.6
20°	737.4	739.3	741.1	743.0	743.0	744.9	744.9	746.7	746.7	746.7
22.5°	729.9	731.8	735.5	737.4	739.3	741.1	743.0	743.0	743.0	743.0
25°	722.5	726.2	728.1	731.8	733.7	735.5	737.4	737.4	737.4	739.3
27.5°	713.1	716.9	722.5	724.3	726.2	728.1	729.9	731.8	731.8	731.8
30°	701.9	707.5	711.3	715.0	716.9	718.7	720.6	720.6	722.5	722.5
32.5°	688.9	694.5	698.2	701.9	703.8	705.7	709.4	709.4	711.3	711.3
35°	672.1	677.7	683.3	687.0	688.9	690.7	694.5	696.3	696.3	696.3
37.5°	655.2	660.8	666.5	672.1	673.9	675.8	679.5	679.5	681.4	681.4
40°	634.7	640.3	645.9	651.5	651.5	655.2	657.1	659.0	660.8	660.8
42.5°	614.2	619.8	623.5	629.1	631.0	632.8	634.7	638.4	638.4	640.3
45°	589.9	595.5	599.2	604.8	606.7	608.6	612.3	614.2	616.0	616.0
47.5°	563.8	567.5	571.2	576.8	580.6	582.4	584.3	586.2	588.0	586.2
50°	533.9	537.6	543.2	548.8	550.7	552.6	556.3	556.3	558.2	558.2
52.5°	502.2	507.8	511.5	517.1	519.0	520.8	524.6	524.6	526.4	526.4
55°	466.7	470.4	474.2	483.5	485.4	487.2	491.0	491.0	492.8	494.7
57.5°	433.1	435.0	440.6	444.3	448.0	448.0	449.9	451.8	453.6	453.6
60°	397.6	399.5	403.2	408.8	408.8	410.7	414.4	414.4	416.3	416.3
62.5°	360.3	364.0	367.8	373.4	371.5	373.4	377.1	377.1	379.0	379.0
65°	323.0	324.8	328.6	332.3	334.2	334.2	336.0	337.9	339.8	339.8
67.5°	283.8	287.5	289.4	295.0	293.1	295.0	296.8	296.8	298.7	298.7
70°	246.4	248.3	252.0	253.9	253.9	255.8	257.6	257.6	257.6	259.5
72.5°	209.1	210.9	212.8	214.7	214.7	216.5	218.4	218.4	220.3	220.3
75°	169.9	173.6	175.5	179.2	177.3	179.2	182.9	182.9	182.9	182.9
77.5°	136.3	138.1	141.9	143.7	143.7	143.7	147.5	145.6	147.5	147.5
80°	102.7	104.5	108.3	110.1	110.1	112.0	113.9	113.9	113.9	115.7
82.5°	72.8	76.5	80.3	82.1	82.1	84.0	85.9	85.9	87.7	87.7
85°	50.4	54.1	57.9	57.9	59.7	61.6	63.5	63.5	63.5	63.5
87.5°	33.6	35.5	37.3	39.2	41.1	41.1	42.9	42.9	44.8	44.8
90°	18.7	20.5	22.4	24.3	24.3	26.1	26.1	28.0	28.0	28.0
92.5°	26.1	26.1	28.0	29.9	29.9	29.9	29.9	31.7	31.7	31.7
95°	56.0	57.9	57.9	61.6	61.6	61.6	63.5	63.5	63.5	63.5
97.5°	108.3	108.3	108.3	112.0	112.0	112.0	113.9	113.9	113.9	115.7
100°	169.9	171.7	171.7	177.3	175.5	179.2	179.2	179.2	179.2	181.1
102.5°	239.0	242.7	244.6	250.2	250.2	250.2	253.9	252.0	253.9	253.9
105°	313.6	317.4	319.2	324.8	328.6	328.6	332.3	330.4	332.3	334.2
107.5°	388.3	393.9	397.6	403.2	407.0	408.8	408.8	410.7	412.6	414.4
110°	464.8	470.4	479.8	485.4	487.2	491.0	492.8	494.7	496.6	500.3



TEST NUMBER: P395639

CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	545.1	550.7	558.2	565.6	563.8	569.4	573.1	575.0	576.8	575.0
115°	617.9	625.4	632.8	640.3	640.3	644.0	651.5	653.4	653.4	657.1
117.5°	687.0	696.3	703.8	711.3	713.1	716.9	722.5	728.1	728.1	731.8
120°	754.2	765.4	772.9	780.3	784.1	785.9	791.5	799.0	799.0	799.0
122.5°	817.7	827.0	836.3	843.8	847.5	851.3	855.0	864.3	864.3	868.1
125°	877.4	888.6	897.9	905.4	909.1	912.9	920.3	925.9	927.8	927.8
127.5°	933.4	944.6	953.9	963.3	965.1	968.9	976.3	983.8	985.7	987.5
130°	985.7	996.9	1006.2	1015.5	1019.3	1021.1	1030.5	1036.1	1039.8	1041.7
132.5°	1032.3	1043.5	1052.9	1062.2	1065.9	1069.7	1075.3	1084.6	1086.5	1086.5
135°	1075.3	1086.5	1095.8	1107.0	1108.9	1112.6	1120.1	1125.7	1129.4	1131.3
137.5°	1114.5	1125.7	1136.9	1146.2	1150.0	1151.8	1159.3	1166.8	1170.5	1172.4
140°	1150.0	1161.2	1172.4	1179.8	1181.7	1187.3	1192.9	1200.4	1204.1	1206.0
142.5°	1183.6	1192.9	1202.2	1211.6	1213.4	1217.2	1222.8	1230.2	1234.0	1235.8
145°	1213.4	1222.8	1230.2	1237.7	1239.6	1243.3	1248.9	1254.5	1258.2	1260.1
147.5°	1241.4	1248.9	1256.4	1262.0	1263.8	1267.6	1271.3	1275.0	1278.8	1280.6
150°	1265.7	1269.4	1276.9	1280.6	1282.5	1286.2	1290.0	1293.7	1297.4	1299.3
152.5°	1284.4	1290.0	1293.7	1299.3	1301.2	1303.0	1306.8	1310.5	1314.2	1314.2
155°	1299.3	1304.9	1308.6	1314.2	1316.1	1318.0	1321.7	1323.6	1327.3	1327.3
157.5°	1310.5	1316.1	1319.8	1323.6	1325.4	1327.3	1329.2	1332.9	1336.6	1336.6
160°	1323.6	1325.4	1327.3	1331.0	1331.0	1332.9	1334.8	1336.6	1340.4	1340.4
162.5°	1334.8	1336.6	1332.9	1334.8	1332.9	1334.8	1336.6	1338.5	1340.4	1340.4
165°	1338.5	1342.2	1340.4	1342.2	1342.2	1342.2	1342.2	1344.1	1344.1	1344.1
167.5°	1338.5	1342.2	1340.4	1340.4	1342.2	1342.2	1344.1	1346.0	1346.0	1346.0
170°	1338.5	1340.4	1338.5	1336.6	1338.5	1338.5	1338.5	1340.4	1340.4	1340.4
172.5°	1336.6	1338.5	1334.8	1332.9	1332.9	1332.9	1331.0	1331.0	1329.2	1329.2
175°	1334.8	1334.8	1331.0	1329.2	1329.2	1329.2	1325.4	1323.6	1321.7	1319.8
177.5°	1332.9	1332.9	1327.3	1325.4	1325.4	1323.6	1323.6	1319.8	1319.8	1318.0
180°	1329.2	1329.2	1329.2	1329.2	1329.2	1329.2	1329.2	1329.2	1329.2	1329.2

(END OF REPORT)