

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: P395626

Luminaire Tested: **I3-FL-80L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395626
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-80L82765-1D-UNV-W2A-W-4 (5700K)
Description: CORELITE I3, FROSTED TOP COVER
8000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 5700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7571.7 lumens
Efficiency: N/A
Efficacy: 118.3 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

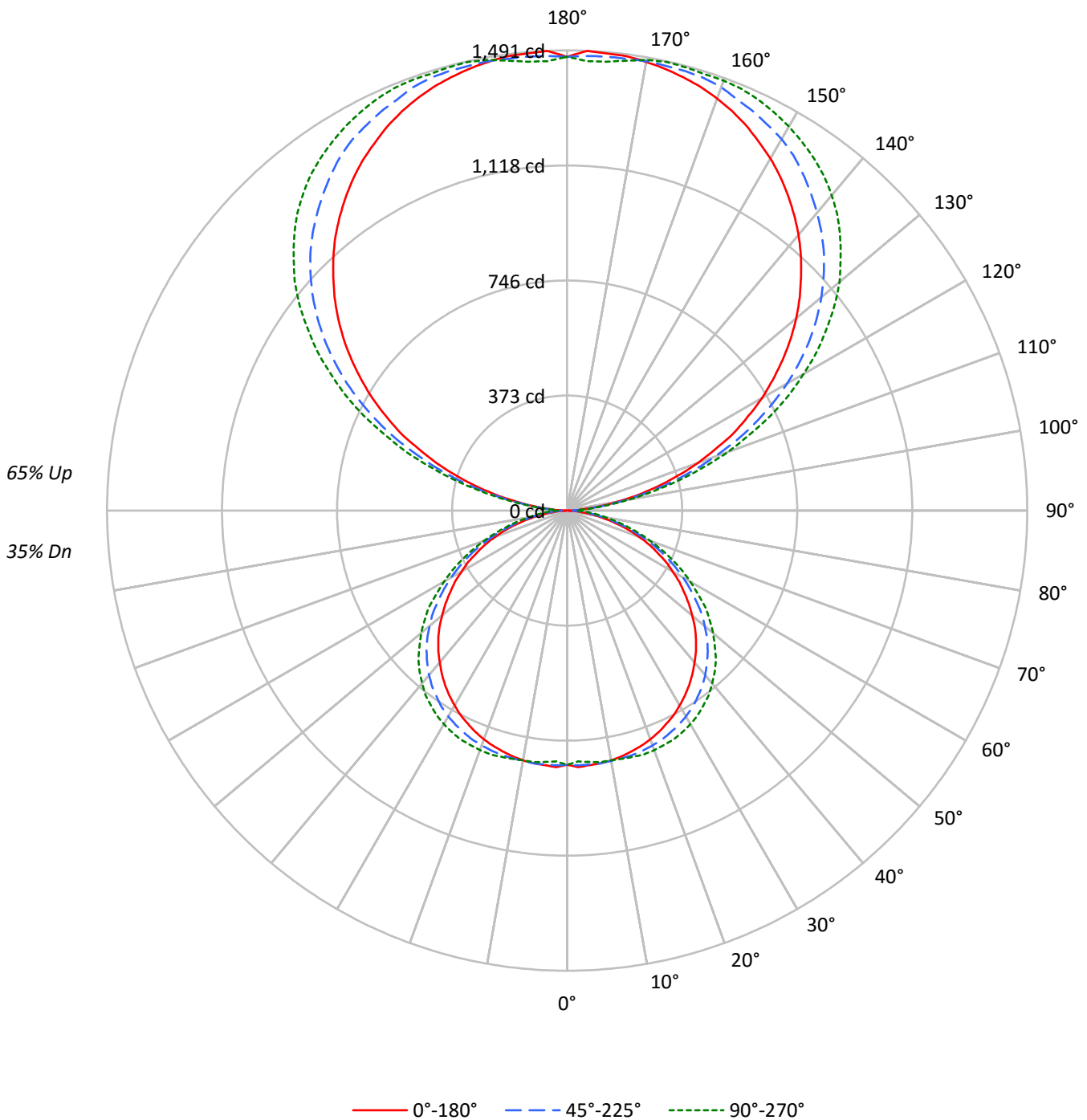
Input Watts (W): 64
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4528	4528	4528
5°	4552	4453	4383
10°	4553	4392	4332
15°	4542	4354	4314
20°	4543	4317	4308
25°	4531	4278	4291
30°	4515	4238	4253
35°	4493	4170	4190
40°	4448	4082	4098
45°	4403	3956	3972
50°	4302	3781	3778
55°	4178	3543	3553
60°	4038	3264	3209
65°	3839	2925	2850
70°	3565	2493	2407
75°	3103	1981	1915
80°	2422	1408	1402
85°	1315	806	920



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.5	1.0
10°-20°	231.0	3.1
20°-30°	364.3	4.8
30°-40°	457.9	6.0
40°-50°	492.3	6.5
50°-60°	452.9	6.0
60°-70°	347.0	4.6
70°-80°	197.6	2.6
80°-90°	61.7	0.8
90°-100°	82.5	1.1
100°-110°	358.8	4.7
110°-120°	656.9	8.7
120°-130°	846.8	11.2
130°-140°	901.0	11.9
140°-150°	829.0	10.9
150°-160°	656.7	8.7
160°-170°	415.9	5.5
170°-180°	140.8	1.9
0°-30°	673.9	8.9
0°-40°	1131.8	14.9
0°-60°	2077.0	27.4
0°-90°	2683.2	35.4
90°-120°	1098.3	14.5
90°-150°	3675.0	48.5
90°-180°	4888.0	64.6
0°-180°	7571.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	824	824	824	824	824	
5°	828	820	826	822	818	79
15°	807	803	820	826	826	228
25°	762	764	793	812	818	351
35°	690	698	737	762	770	431
45°	590	605	644	671	681	455
55°	462	481	510	537	547	414
65°	322	332	353	370	376	320
75°	169	173	186	196	202	179
85°	31	39	52	66	70	39
90°	2	6	19	27	31	5
95°	56	54	60	68	70	70
105°	304	318	343	363	370	323
115°	597	624	673	708	727	585
125°	853	890	958	1006	1026	762
135°	1072	1107	1177	1226	1251	827
145°	1247	1274	1332	1371	1394	780
155°	1375	1392	1427	1456	1468	634
165°	1454	1454	1474	1485	1487	411
175°	1487	1476	1476	1470	1460	142
180°	1470	1470	1470	1470	1470	



TEST NUMBER: P395626

CATALOG NUMBER: I3-FL-80L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	823.8	823.8	823.8	823.8	823.8	823.8	823.8	823.8	823.8	823.8	823.8
2.5°	832.1	830.0	828.0	823.8	823.8	821.8	821.8	821.8	821.8	823.8	825.9
5°	828.0	828.0	825.9	821.8	821.8	819.7	819.7	821.8	819.7	821.8	825.9
7.5°	825.9	825.9	823.8	819.7	819.7	819.7	819.7	819.7	819.7	821.8	825.9
10°	821.8	821.8	817.6	815.6	815.6	815.6	815.6	817.6	817.6	819.7	823.8
12.5°	815.6	813.5	811.5	809.4	809.4	809.4	811.5	813.5	813.5	817.6	821.8
15°	807.3	807.3	805.3	803.2	803.2	803.2	805.3	807.3	809.4	813.5	819.7
17.5°	799.1	799.1	797.0	797.0	797.0	797.0	799.1	801.1	805.3	809.4	815.6
20°	788.7	788.7	786.7	786.7	786.7	788.7	788.7	792.9	797.0	803.2	809.4
22.5°	776.4	776.4	776.4	774.3	776.4	778.4	780.5	784.6	788.7	794.9	803.2
25°	761.9	761.9	761.9	761.9	764.0	764.0	768.1	772.2	776.4	784.6	792.9
27.5°	747.4	747.4	747.4	745.4	749.5	751.6	753.6	759.8	764.0	774.3	782.5
30°	728.9	728.9	728.9	730.9	733.0	735.1	739.2	745.4	749.5	759.8	770.2
32.5°	710.3	710.3	710.3	710.3	716.5	718.5	720.6	726.8	735.1	745.4	755.7
35°	689.6	689.6	689.6	691.7	695.8	697.9	702.0	708.2	716.5	726.8	737.1
37.5°	666.9	669.0	669.0	671.1	675.2	679.3	683.4	689.6	697.9	708.2	718.5
40°	642.1	644.2	644.2	646.3	650.4	654.5	658.7	666.9	675.2	685.5	695.8
42.5°	617.4	619.4	619.4	623.6	627.7	631.8	635.9	644.2	652.5	662.8	671.1
45°	590.5	592.6	592.6	596.7	602.9	605.0	611.2	619.4	627.7	635.9	644.2
47.5°	561.6	563.7	563.7	567.8	574.0	578.1	582.3	590.5	596.7	607.0	615.3
50°	528.6	530.6	532.7	536.8	545.1	549.2	553.4	559.6	567.8	574.0	582.3
52.5°	497.6	497.6	499.7	503.8	510.0	514.1	516.2	522.4	532.7	541.0	549.2
55°	462.5	464.6	466.6	470.8	477.0	481.1	483.2	489.4	495.5	501.7	510.0
57.5°	431.5	431.5	433.6	437.7	443.9	446.0	448.1	452.2	460.4	466.6	472.8
60°	394.4	396.4	398.5	402.6	406.8	410.9	410.9	417.1	423.3	429.5	433.6
62.5°	361.3	361.3	363.4	367.5	369.6	373.7	373.7	379.9	384.0	390.2	394.4
65°	322.1	324.2	326.2	328.3	332.4	332.4	334.5	338.6	342.8	346.9	353.1
67.5°	287.0	287.0	289.1	291.1	293.2	293.2	295.3	299.4	303.5	307.7	311.8
70°	247.8	249.8	249.8	249.8	251.9	254.0	256.0	258.1	262.2	264.3	268.4
72.5°	208.5	208.5	210.6	210.6	212.7	214.7	216.8	218.9	220.9	225.1	227.1
75°	169.3	169.3	171.4	171.4	173.4	173.4	173.4	177.6	179.6	183.8	185.8
77.5°	130.1	132.1	132.1	132.1	134.2	136.3	136.3	138.3	142.5	144.5	146.6
80°	95.0	95.0	95.0	95.0	97.0	99.1	101.2	101.2	105.3	109.4	111.5
82.5°	59.9	59.9	61.9	64.0	64.0	66.1	68.1	70.2	74.3	76.4	78.5
85°	31.0	31.0	33.0	35.1	37.2	39.2	39.2	41.3	45.4	49.6	51.6
87.5°	10.3	12.4	12.4	14.5	16.5	18.6	20.6	22.7	26.8	31.0	33.0
90°	2.1	2.1	2.1	4.1	6.2	6.2	8.3	10.3	12.4	14.5	18.6
92.5°	18.6	18.6	16.5	18.6	18.6	18.6	18.6	20.6	22.7	22.7	26.8
95°	55.7	53.7	53.7	53.7	53.7	53.7	53.7	55.7	57.8	57.8	59.9
97.5°	107.4	107.4	105.3	105.3	107.4	107.4	107.4	109.4	113.6	111.5	115.6
100°	167.2	167.2	165.2	167.2	169.3	171.4	175.5	175.5	179.6	179.6	185.8
102.5°	235.4	235.4	233.3	237.4	239.5	243.6	243.6	247.8	254.0	254.0	262.2
105°	303.5	305.6	305.6	309.7	313.8	318.0	318.0	324.2	332.4	332.4	342.8
107.5°	377.9	379.9	379.9	384.0	388.2	392.3	394.4	402.6	410.9	413.0	425.3
110°	450.1	452.2	454.2	458.4	462.5	468.7	472.8	481.1	491.4	495.5	505.9



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CATALOG NUMBER: I3-FL-80L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	518.3	526.5	528.6	534.8	541.0	547.2	551.3	561.6	574.0	580.2	592.6
115°	596.7	600.8	602.9	609.1	617.4	623.6	627.7	638.0	650.4	658.7	673.1
117.5°	660.7	671.1	673.1	679.3	687.6	693.8	697.9	710.3	724.7	735.1	749.5
120°	728.9	737.1	745.4	749.5	755.7	764.0	768.1	780.5	797.0	807.3	823.8
122.5°	790.8	799.1	807.3	813.5	821.8	825.9	832.1	846.6	863.1	875.5	892.0
125°	852.8	863.1	869.3	875.5	885.8	889.9	896.1	910.6	927.1	941.5	958.1
127.5°	912.6	918.8	929.1	933.3	943.6	947.7	953.9	970.4	987.0	1001.4	1017.9
130°	968.4	976.6	984.9	987.0	999.3	1005.5	1011.7	1026.2	1044.8	1059.2	1075.7
132.5°	1022.1	1026.2	1036.5	1042.7	1053.0	1059.2	1065.4	1077.8	1096.4	1110.8	1127.4
135°	1071.6	1075.7	1088.1	1094.3	1100.5	1106.7	1115.0	1127.4	1145.9	1160.4	1176.9
137.5°	1121.2	1125.3	1137.7	1143.9	1148.0	1154.2	1160.4	1172.8	1191.4	1205.8	1220.3
140°	1166.6	1170.7	1179.0	1187.2	1191.4	1195.5	1201.7	1214.1	1230.6	1245.1	1259.5
142.5°	1207.9	1212.0	1220.3	1228.5	1234.7	1234.7	1240.9	1251.3	1269.8	1284.3	1296.7
145°	1247.1	1249.2	1257.4	1265.7	1274.0	1274.0	1276.0	1286.4	1302.9	1319.4	1331.8
147.5°	1284.3	1286.4	1292.5	1300.8	1307.0	1309.1	1313.2	1317.3	1333.8	1350.4	1364.8
150°	1317.3	1319.4	1323.5	1331.8	1335.9	1340.0	1344.2	1346.2	1358.6	1373.1	1389.6
152.5°	1346.2	1348.3	1352.4	1358.6	1362.7	1366.9	1371.0	1377.2	1383.4	1397.9	1408.2
155°	1375.1	1377.2	1379.3	1385.5	1389.6	1391.7	1393.7	1402.0	1408.2	1416.4	1426.8
157.5°	1399.9	1399.9	1402.0	1406.1	1410.2	1410.2	1412.3	1420.6	1426.8	1435.0	1441.2
160°	1420.6	1420.6	1422.6	1426.8	1426.8	1428.8	1430.9	1437.1	1441.2	1451.5	1459.8
162.5°	1439.1	1437.1	1439.1	1441.2	1441.2	1441.2	1443.3	1447.4	1453.6	1461.9	1470.1
165°	1453.6	1453.6	1453.6	1455.7	1455.7	1453.6	1453.6	1457.7	1461.9	1468.1	1474.2
167.5°	1466.0	1466.0	1463.9	1466.0	1463.9	1463.9	1461.9	1463.9	1466.0	1472.2	1476.3
170°	1476.3	1474.2	1474.2	1474.2	1472.2	1470.1	1470.1	1470.1	1470.1	1474.2	1478.4
172.5°	1484.6	1482.5	1480.4	1480.4	1476.3	1474.2	1474.2	1472.2	1472.2	1474.2	1476.3
175°	1486.6	1484.6	1482.5	1482.5	1478.4	1476.3	1474.2	1474.2	1472.2	1474.2	1476.3
177.5°	1490.8	1488.7	1484.6	1484.6	1480.4	1476.3	1476.3	1474.2	1472.2	1474.2	1474.2
180°	1470.1	1470.1	1470.1	1470.1	1470.1	1470.1	1470.1	1470.1	1470.1	1470.1	1470.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	823.8	823.8	823.8	823.8	823.8	823.8	823.8	823.8	823.8	823.8
2.5°	828.0	828.0	825.9	823.8	823.8	821.8	819.7	817.6	815.6	813.5
5°	828.0	825.9	823.8	823.8	821.8	821.8	821.8	819.7	817.6	817.6
7.5°	828.0	828.0	825.9	823.8	823.8	823.8	823.8	823.8	821.8	821.8
10°	828.0	825.9	825.9	825.9	823.8	825.9	825.9	823.8	823.8	821.8
12.5°	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	825.9	823.8
15°	821.8	823.8	823.8	825.9	825.9	825.9	828.0	828.0	825.9	825.9
17.5°	819.7	821.8	823.8	825.9	825.9	825.9	828.0	828.0	828.0	828.0
20°	815.6	817.6	819.7	821.8	821.8	823.8	823.8	825.9	825.9	825.9
22.5°	807.3	809.4	813.5	815.6	817.6	819.7	821.8	821.8	821.8	821.8
25°	799.1	803.2	805.3	809.4	811.5	813.5	815.6	815.6	815.6	817.6
27.5°	788.7	792.9	799.1	801.1	803.2	805.3	807.3	809.4	809.4	809.4
30°	776.4	782.5	786.7	790.8	792.9	794.9	797.0	797.0	799.1	799.1
32.5°	761.9	768.1	772.2	776.4	778.4	780.5	784.6	784.6	786.7	786.7
35°	743.3	749.5	755.7	759.8	761.9	764.0	768.1	770.2	770.2	770.2
37.5°	724.7	730.9	737.1	743.3	745.4	747.4	751.6	751.6	753.6	753.6
40°	702.0	708.2	714.4	720.6	720.6	724.7	726.8	728.9	730.9	730.9
42.5°	679.3	685.5	689.6	695.8	697.9	700.0	702.0	706.2	706.2	708.2
45°	652.5	658.7	662.8	669.0	671.1	673.1	677.2	679.3	681.4	681.4
47.5°	623.6	627.7	631.8	638.0	642.1	644.2	646.3	648.3	650.4	648.3
50°	590.5	594.7	600.8	607.0	609.1	611.2	615.3	615.3	617.4	617.4
52.5°	555.4	561.6	565.7	571.9	574.0	576.1	580.2	580.2	582.3	582.3
55°	516.2	520.3	524.5	534.8	536.8	538.9	543.0	543.0	545.1	547.2
57.5°	479.0	481.1	487.3	491.4	495.5	495.5	497.6	499.7	501.7	501.7
60°	439.8	441.9	446.0	452.2	452.2	454.2	458.4	458.4	460.4	460.4
62.5°	398.5	402.6	406.8	413.0	410.9	413.0	417.1	417.1	419.1	419.1
65°	357.2	359.3	363.4	367.5	369.6	369.6	371.7	373.7	375.8	375.8
67.5°	313.8	318.0	320.0	326.2	324.2	326.2	328.3	328.3	330.4	330.4
70°	272.5	274.6	278.7	280.8	280.8	282.9	284.9	284.9	284.9	287.0
72.5°	231.3	233.3	235.4	237.4	237.4	239.5	241.6	241.6	243.6	243.6
75°	187.9	192.0	194.1	198.2	196.2	198.2	202.3	202.3	202.3	202.3
77.5°	150.7	152.8	156.9	159.0	159.0	159.0	163.1	161.1	163.1	163.1
80°	113.6	115.6	119.8	121.8	121.8	123.9	126.0	126.0	126.0	128.0
82.5°	80.5	84.7	88.8	90.8	90.8	92.9	95.0	95.0	97.0	97.0
85°	55.7	59.9	64.0	64.0	66.1	68.1	70.2	70.2	70.2	70.2
87.5°	37.2	39.2	41.3	43.4	45.4	45.4	47.5	47.5	49.6	49.6
90°	20.6	22.7	24.8	26.8	26.8	28.9	28.9	31.0	31.0	31.0
92.5°	28.9	28.9	31.0	33.0	33.0	33.0	33.0	35.1	35.1	35.1
95°	61.9	64.0	64.0	68.1	68.1	68.1	70.2	70.2	70.2	70.2
97.5°	119.8	119.8	119.8	123.9	123.9	123.9	126.0	126.0	126.0	128.0
100°	187.9	190.0	190.0	196.2	194.1	198.2	198.2	198.2	198.2	200.3
102.5°	264.3	268.4	270.5	276.7	276.7	276.7	280.8	278.7	280.8	280.8
105°	346.9	351.0	353.1	359.3	363.4	363.4	367.5	365.5	367.5	369.6
107.5°	429.5	435.7	439.8	446.0	450.1	452.2	452.2	454.2	456.3	458.4
110°	514.1	520.3	530.6	536.8	538.9	543.0	545.1	547.2	549.2	553.4



TEST NUMBER: P395626

CATALOG NUMBER: I3-FL-80L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	602.9	609.1	617.4	625.6	623.6	629.8	633.9	635.9	638.0	635.9
115°	683.4	691.7	700.0	708.2	708.2	712.3	720.6	722.7	722.7	726.8
117.5°	759.8	770.2	778.4	786.7	788.7	792.9	799.1	805.3	805.3	809.4
120°	834.2	846.6	854.8	863.1	867.2	869.3	875.5	883.7	883.7	883.7
122.5°	904.4	914.7	925.0	933.3	937.4	941.5	945.7	956.0	956.0	960.1
125°	970.4	982.8	993.2	1001.4	1005.5	1009.7	1017.9	1024.1	1026.2	1026.2
127.5°	1032.4	1044.8	1055.1	1065.4	1067.5	1071.6	1079.9	1088.1	1090.2	1092.3
130°	1090.2	1102.6	1112.9	1123.2	1127.4	1129.4	1139.8	1145.9	1150.1	1152.1
132.5°	1141.8	1154.2	1164.5	1174.9	1179.0	1183.1	1189.3	1199.6	1201.7	1201.7
135°	1189.3	1201.7	1212.0	1224.4	1226.5	1230.6	1238.9	1245.1	1249.2	1251.3
137.5°	1232.7	1245.1	1257.4	1267.8	1271.9	1274.0	1282.2	1290.5	1294.6	1296.7
140°	1271.9	1284.3	1296.7	1304.9	1307.0	1313.2	1319.4	1327.6	1331.8	1333.8
142.5°	1309.1	1319.4	1329.7	1340.0	1342.1	1346.2	1352.4	1360.7	1364.8	1366.9
145°	1342.1	1352.4	1360.7	1368.9	1371.0	1375.1	1381.3	1387.5	1391.7	1393.7
147.5°	1373.1	1381.3	1389.6	1395.8	1397.9	1402.0	1406.1	1410.2	1414.4	1416.4
150°	1399.9	1404.0	1412.3	1416.4	1418.5	1422.6	1426.8	1430.9	1435.0	1437.1
152.5°	1420.6	1426.8	1430.9	1437.1	1439.1	1441.2	1445.3	1449.5	1453.6	1453.6
155°	1437.1	1443.3	1447.4	1453.6	1455.7	1457.7	1461.9	1463.9	1468.1	1468.1
157.5°	1449.5	1455.7	1459.8	1463.9	1466.0	1468.1	1470.1	1474.2	1478.4	1478.4
160°	1463.9	1466.0	1468.1	1472.2	1472.2	1474.2	1476.3	1478.4	1482.5	1482.5
162.5°	1476.3	1478.4	1474.2	1476.3	1474.2	1476.3	1478.4	1480.4	1482.5	1482.5
165°	1480.4	1484.6	1482.5	1484.6	1484.6	1484.6	1484.6	1486.6	1486.6	1486.6
167.5°	1480.4	1484.6	1482.5	1482.5	1484.6	1484.6	1486.6	1488.7	1488.7	1488.7
170°	1480.4	1482.5	1480.4	1478.4	1480.4	1480.4	1480.4	1482.5	1482.5	1482.5
172.5°	1478.4	1480.4	1476.3	1474.2	1474.2	1474.2	1472.2	1472.2	1470.1	1470.1
175°	1476.3	1476.3	1472.2	1470.1	1470.1	1470.1	1466.0	1463.9	1461.9	1459.8
177.5°	1474.2	1474.2	1468.1	1466.0	1466.0	1463.9	1463.9	1459.8	1459.8	1457.7
180°	1470.1	1470.1	1470.1	1470.1	1470.1	1470.1	1470.1	1470.1	1470.1	1470.1

(END OF REPORT)