

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: P395622

Luminaire Tested: **I3-FL-80L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395622
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 (3500K)
Description: CORELITE I3, FROSTED TOP COVER
8000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7092.5 lumens
Efficiency: N/A
Efficacy: 113.3 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

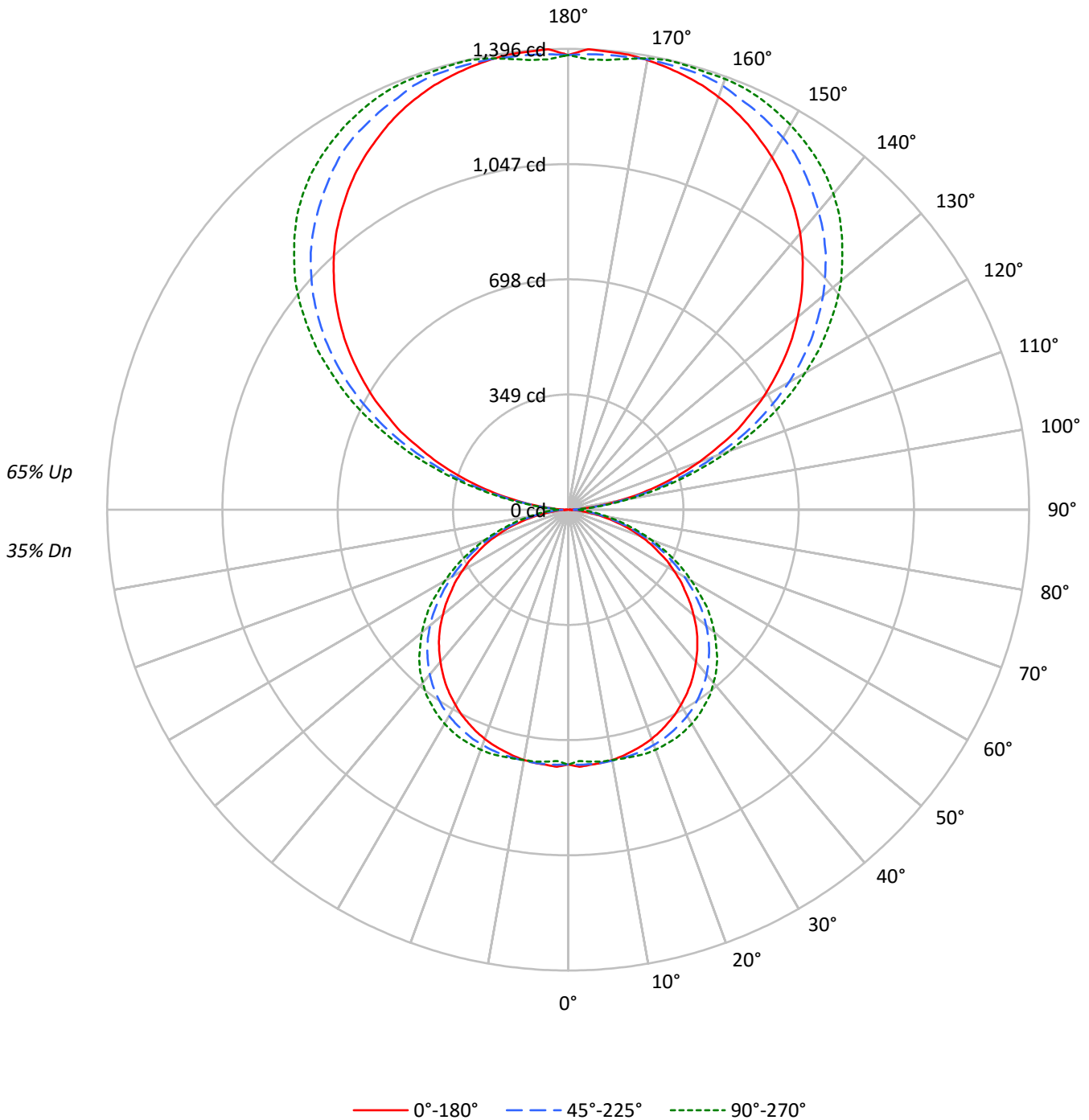
Input Watts (W): 62.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4242	4242	4242
5°	4263	4171	4106
10°	4264	4114	4058
15°	4255	4079	4041
20°	4255	4044	4035
25°	4244	4008	4020
30°	4229	3969	3984
35°	4209	3906	3925
40°	4167	3824	3839
45°	4125	3705	3721
50°	4029	3542	3539
55°	3913	3318	3327
60°	3782	3058	3006
65°	3596	2740	2670
70°	3340	2335	2255
75°	2907	1856	1793
80°	2269	1318	1313
85°	1230	756	863



TEST NUMBER: P395622

CATALOG NUMBER: I3-FL-80L82765-1D-UNV-W2A-W-4 (3500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.6	1.0
10°-20°	216.4	3.1
20°-30°	341.3	4.8
30°-40°	428.9	6.0
40°-50°	461.2	6.5
50°-60°	424.2	6.0
60°-70°	325.0	4.6
70°-80°	185.1	2.6
80°-90°	57.8	0.8
90°-100°	77.3	1.1
100°-110°	336.1	4.7
110°-120°	615.4	8.7
120°-130°	793.2	11.2
130°-140°	844.0	11.9
140°-150°	776.5	10.9
150°-160°	615.2	8.7
160°-170°	389.5	5.5
170°-180°	131.9	1.9
0°-30°	631.2	8.9
0°-40°	1060.2	14.9
0°-60°	1945.6	27.4
0°-90°	2513.4	35.4
90°-120°	1028.8	14.5
90°-150°	3442.5	48.5
90°-180°	4579.0	64.6
0°-180°	7092.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	772	772	772	772	772	
5°	776	768	774	770	766	74
15°	756	752	768	774	774	214
25°	714	716	743	760	766	329
35°	646	654	690	714	721	404
45°	553	567	603	629	638	426
55°	433	451	478	503	512	388
65°	302	311	331	346	352	299
75°	159	162	174	184	190	168
85°	29	37	48	62	66	37
90°	2	6	17	25	29	4
95°	52	50	56	64	66	65
105°	284	298	321	340	346	303
115°	559	584	630	663	681	548
125°	799	834	897	942	961	713
135°	1004	1037	1102	1149	1172	775
145°	1168	1193	1248	1284	1306	731
155°	1288	1304	1336	1364	1375	594
165°	1362	1362	1381	1391	1393	385
175°	1393	1383	1383	1377	1367	133
180°	1377	1377	1377	1377	1377	



TEST NUMBER: P395622

CATALOG NUMBER: I3-FL-80L82765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	771.7	771.7	771.7	771.7	771.7	771.7	771.7	771.7	771.7	771.7	771.7
2.5°	779.4	777.5	775.6	771.7	771.7	769.8	769.8	769.8	769.8	771.7	773.6
5°	775.6	775.6	773.6	769.8	769.8	767.8	767.8	769.8	767.8	769.8	773.6
7.5°	773.6	773.6	771.7	767.8	767.8	767.8	767.8	767.8	767.8	769.8	773.6
10°	769.8	769.8	765.9	764.0	764.0	764.0	764.0	765.9	765.9	767.8	771.7
12.5°	764.0	762.0	760.1	758.2	758.2	758.2	760.1	762.0	762.0	765.9	769.8
15°	756.2	756.2	754.3	752.4	752.4	752.4	754.3	756.2	758.2	762.0	767.8
17.5°	748.5	748.5	746.6	746.6	746.6	746.6	748.5	750.4	754.3	758.2	764.0
20°	738.8	738.8	736.9	736.9	736.9	738.8	738.8	742.7	746.6	752.4	758.2
22.5°	727.2	727.2	727.2	725.3	727.2	729.2	731.1	735.0	738.8	744.6	752.4
25°	713.7	713.7	713.7	713.7	715.6	715.6	719.5	723.4	727.2	735.0	742.7
27.5°	700.1	700.1	700.1	698.2	702.1	704.0	706.0	711.8	715.6	725.3	733.0
30°	682.7	682.7	682.7	684.7	686.6	688.5	692.4	698.2	702.1	711.8	721.4
32.5°	665.3	665.3	665.3	665.3	671.1	673.1	675.0	680.8	688.5	698.2	707.9
35°	646.0	646.0	646.0	647.9	651.8	653.7	657.6	663.4	671.1	680.8	690.5
37.5°	624.7	626.7	626.7	628.6	632.5	636.3	640.2	646.0	653.7	663.4	673.1
40°	601.5	603.4	603.4	605.4	609.2	613.1	617.0	624.7	632.5	642.1	651.8
42.5°	578.3	580.2	580.2	584.1	588.0	591.8	595.7	603.4	611.2	620.9	628.6
45°	553.2	555.1	555.1	559.0	564.8	566.7	572.5	580.2	588.0	595.7	603.4
47.5°	526.1	528.0	528.0	531.9	537.7	541.6	545.4	553.2	559.0	568.6	576.4
50°	495.1	497.1	499.0	502.9	510.6	514.5	518.3	524.1	531.9	537.7	545.4
52.5°	466.1	466.1	468.1	471.9	477.7	481.6	483.5	489.3	499.0	506.7	514.5
55°	433.2	435.2	437.1	441.0	446.8	450.6	452.6	458.4	464.2	470.0	477.7
57.5°	404.2	404.2	406.2	410.0	415.8	417.8	419.7	423.6	431.3	437.1	442.9
60°	369.4	371.4	373.3	377.2	381.0	384.9	384.9	390.7	396.5	402.3	406.2
62.5°	338.5	338.5	340.4	344.3	346.2	350.1	350.1	355.9	359.7	365.5	369.4
65°	301.7	303.7	305.6	307.5	311.4	311.4	313.3	317.2	321.1	324.9	330.7
67.5°	268.8	268.8	270.8	272.7	274.6	274.6	276.6	280.4	284.3	288.2	292.1
70°	232.1	234.0	234.0	234.0	236.0	237.9	239.8	241.8	245.6	247.6	251.4
72.5°	195.3	195.3	197.3	197.3	199.2	201.1	203.1	205.0	207.0	210.8	212.8
75°	158.6	158.6	160.5	160.5	162.5	162.5	162.5	166.3	168.3	172.1	174.1
77.5°	121.8	123.8	123.8	123.8	125.7	127.7	127.7	129.6	133.5	135.4	137.3
80°	89.0	89.0	89.0	89.0	90.9	92.8	94.8	94.8	98.6	102.5	104.4
82.5°	56.1	56.1	58.0	60.0	60.0	61.9	63.8	65.8	69.6	71.6	73.5
85°	29.0	29.0	30.9	32.9	34.8	36.7	36.7	38.7	42.6	46.4	48.4
87.5°	9.7	11.6	11.6	13.5	15.5	17.4	19.3	21.3	25.1	29.0	30.9
90°	1.9	1.9	1.9	3.9	5.8	5.8	7.7	9.7	11.6	13.5	17.4
92.5°	17.4	17.4	15.5	17.4	17.4	17.4	17.4	19.3	21.3	21.3	25.1
95°	52.2	50.3	50.3	50.3	50.3	50.3	50.3	52.2	54.2	54.2	56.1
97.5°	100.6	100.6	98.6	98.6	100.6	100.6	100.6	102.5	106.4	104.4	108.3
100°	156.7	156.7	154.7	156.7	158.6	160.5	164.4	164.4	168.3	168.3	174.1
102.5°	220.5	220.5	218.6	222.4	224.4	228.2	228.2	232.1	237.9	237.9	245.6
105°	284.3	286.2	286.2	290.1	294.0	297.9	297.9	303.7	311.4	311.4	321.1
107.5°	353.9	355.9	355.9	359.7	363.6	367.5	369.4	377.2	384.9	386.8	398.4
110°	421.6	423.6	425.5	429.4	433.2	439.0	442.9	450.6	460.3	464.2	473.9



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CATALOG NUMBER: I3-FL-80L82765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	485.5	493.2	495.1	500.9	506.7	512.5	516.4	526.1	537.7	543.5	555.1
115°	559.0	562.8	564.8	570.6	578.3	584.1	588.0	597.6	609.2	617.0	630.5
117.5°	618.9	628.6	630.5	636.3	644.1	649.9	653.7	665.3	678.9	688.5	702.1
120°	682.7	690.5	698.2	702.1	707.9	715.6	719.5	731.1	746.6	756.2	771.7
122.5°	740.8	748.5	756.2	762.0	769.8	773.6	779.4	793.0	808.5	820.1	835.5
125°	798.8	808.5	814.3	820.1	829.7	833.6	839.4	852.9	868.4	882.0	897.4
127.5°	854.9	860.7	870.4	874.2	883.9	887.8	893.6	909.0	924.5	938.0	953.5
130°	907.1	914.8	922.6	924.5	936.1	941.9	947.7	961.3	978.7	992.2	1007.7
132.5°	957.4	961.3	970.9	976.7	986.4	992.2	998.0	1009.6	1027.0	1040.6	1056.0
135°	1003.8	1007.7	1019.3	1025.1	1030.9	1036.7	1044.4	1056.0	1073.4	1087.0	1102.4
137.5°	1050.2	1054.1	1065.7	1071.5	1075.4	1081.2	1087.0	1098.6	1116.0	1129.5	1143.1
140°	1092.8	1096.6	1104.4	1112.1	1116.0	1119.9	1125.7	1137.3	1152.7	1166.3	1179.8
142.5°	1131.5	1135.3	1143.1	1150.8	1156.6	1156.6	1162.4	1172.1	1189.5	1203.0	1214.6
145°	1168.2	1170.1	1177.9	1185.6	1193.3	1193.3	1195.3	1205.0	1220.4	1235.9	1247.5
147.5°	1203.0	1205.0	1210.8	1218.5	1224.3	1226.2	1230.1	1234.0	1249.4	1264.9	1278.5
150°	1234.0	1235.9	1239.8	1247.5	1251.4	1255.2	1259.1	1261.0	1272.6	1286.2	1301.7
152.5°	1261.0	1263.0	1266.8	1272.6	1276.5	1280.4	1284.3	1290.1	1295.9	1309.4	1319.1
155°	1288.1	1290.1	1292.0	1297.8	1301.7	1303.6	1305.5	1313.3	1319.1	1326.8	1336.5
157.5°	1311.3	1311.3	1313.3	1317.1	1321.0	1321.0	1322.9	1330.7	1336.5	1344.2	1350.0
160°	1330.7	1330.7	1332.6	1336.5	1336.5	1338.4	1340.3	1346.1	1350.0	1359.7	1367.4
162.5°	1348.1	1346.1	1348.1	1350.0	1350.0	1350.0	1351.9	1355.8	1361.6	1369.4	1377.1
165°	1361.6	1361.6	1361.6	1363.6	1363.6	1361.6	1361.6	1365.5	1369.4	1375.2	1381.0
167.5°	1373.2	1373.2	1371.3	1373.2	1371.3	1371.3	1369.4	1371.3	1373.2	1379.0	1382.9
170°	1382.9	1381.0	1381.0	1381.0	1379.0	1377.1	1377.1	1377.1	1377.1	1381.0	1384.8
172.5°	1390.6	1388.7	1386.8	1386.8	1382.9	1381.0	1381.0	1379.0	1379.0	1381.0	1382.9
175°	1392.6	1390.6	1388.7	1388.7	1384.8	1382.9	1381.0	1381.0	1379.0	1381.0	1382.9
177.5°	1396.4	1394.5	1390.6	1390.6	1386.8	1382.9	1382.9	1381.0	1379.0	1381.0	1381.0
180°	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	771.7	771.7	771.7	771.7	771.7	771.7	771.7	771.7	771.7	771.7
2.5°	775.6	775.6	773.6	771.7	771.7	769.8	767.8	765.9	764.0	762.0
5°	775.6	773.6	771.7	771.7	769.8	769.8	769.8	767.8	765.9	765.9
7.5°	775.6	775.6	773.6	771.7	771.7	771.7	771.7	771.7	769.8	769.8
10°	775.6	773.6	773.6	773.6	771.7	773.6	773.6	771.7	771.7	769.8
12.5°	773.6	773.6	773.6	773.6	773.6	773.6	773.6	773.6	773.6	771.7
15°	769.8	771.7	771.7	773.6	773.6	773.6	775.6	775.6	773.6	773.6
17.5°	767.8	769.8	771.7	773.6	773.6	773.6	775.6	775.6	775.6	775.6
20°	764.0	765.9	767.8	769.8	769.8	771.7	771.7	773.6	773.6	773.6
22.5°	756.2	758.2	762.0	764.0	765.9	767.8	769.8	769.8	769.8	769.8
25°	748.5	752.4	754.3	758.2	760.1	762.0	764.0	764.0	764.0	765.9
27.5°	738.8	742.7	748.5	750.4	752.4	754.3	756.2	758.2	758.2	758.2
30°	727.2	733.0	736.9	740.8	742.7	744.6	746.6	746.6	748.5	748.5
32.5°	713.7	719.5	723.4	727.2	729.2	731.1	735.0	735.0	736.9	736.9
35°	696.3	702.1	707.9	711.8	713.7	715.6	719.5	721.4	721.4	721.4
37.5°	678.9	684.7	690.5	696.3	698.2	700.1	704.0	704.0	706.0	706.0
40°	657.6	663.4	669.2	675.0	675.0	678.9	680.8	682.7	684.7	684.7
42.5°	636.3	642.1	646.0	651.8	653.7	655.7	657.6	661.5	661.5	663.4
45°	611.2	617.0	620.9	626.7	628.6	630.5	634.4	636.3	638.3	638.3
47.5°	584.1	588.0	591.8	597.6	601.5	603.4	605.4	607.3	609.2	607.3
50°	553.2	557.0	562.8	568.6	570.6	572.5	576.4	576.4	578.3	578.3
52.5°	520.3	526.1	529.9	535.8	537.7	539.6	543.5	543.5	545.4	545.4
55°	483.5	487.4	491.3	500.9	502.9	504.8	508.7	508.7	510.6	512.5
57.5°	448.7	450.6	456.5	460.3	464.2	464.2	466.1	468.1	470.0	470.0
60°	412.0	413.9	417.8	423.6	423.6	425.5	429.4	429.4	431.3	431.3
62.5°	373.3	377.2	381.0	386.8	384.9	386.8	390.7	390.7	392.6	392.6
65°	334.6	336.5	340.4	344.3	346.2	346.2	348.1	350.1	352.0	352.0
67.5°	294.0	297.9	299.8	305.6	303.7	305.6	307.5	307.5	309.5	309.5
70°	255.3	257.2	261.1	263.0	263.0	265.0	266.9	266.9	266.9	268.8
72.5°	216.6	218.6	220.5	222.4	222.4	224.4	226.3	226.3	228.2	228.2
75°	176.0	179.9	181.8	185.7	183.7	185.7	189.5	189.5	189.5	189.5
77.5°	141.2	143.1	147.0	148.9	148.9	148.9	152.8	150.9	152.8	152.8
80°	106.4	108.3	112.2	114.1	114.1	116.0	118.0	118.0	118.0	119.9
82.5°	75.4	79.3	83.2	85.1	85.1	87.0	89.0	89.0	90.9	90.9
85°	52.2	56.1	60.0	60.0	61.9	63.8	65.8	65.8	65.8	65.8
87.5°	34.8	36.7	38.7	40.6	42.6	42.6	44.5	44.5	46.4	46.4
90°	19.3	21.3	23.2	25.1	25.1	27.1	27.1	29.0	29.0	29.0
92.5°	27.1	27.1	29.0	30.9	30.9	30.9	30.9	32.9	32.9	32.9
95°	58.0	60.0	60.0	63.8	63.8	63.8	65.8	65.8	65.8	65.8
97.5°	112.2	112.2	112.2	116.0	116.0	116.0	118.0	118.0	118.0	119.9
100°	176.0	177.9	177.9	183.7	181.8	185.7	185.7	185.7	185.7	187.6
102.5°	247.6	251.4	253.4	259.2	259.2	259.2	263.0	261.1	263.0	263.0
105°	324.9	328.8	330.7	336.5	340.4	340.4	344.3	342.3	344.3	346.2
107.5°	402.3	408.1	412.0	417.8	421.6	423.6	423.6	425.5	427.4	429.4
110°	481.6	487.4	497.1	502.9	504.8	508.7	510.6	512.5	514.5	518.3



TEST NUMBER: P395622

CATALOG NUMBER: I3-FL-80L82765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	564.8	570.6	578.3	586.0	584.1	589.9	593.8	595.7	597.6	595.7
115°	640.2	647.9	655.7	663.4	663.4	667.3	675.0	676.9	676.9	680.8
117.5°	711.8	721.4	729.2	736.9	738.8	742.7	748.5	754.3	754.3	758.2
120°	781.4	793.0	800.7	808.5	812.3	814.3	820.1	827.8	827.8	827.8
122.5°	847.1	856.8	866.5	874.2	878.1	882.0	885.8	895.5	895.5	899.4
125°	909.0	920.6	930.3	938.0	941.9	945.8	953.5	959.3	961.3	961.3
127.5°	967.1	978.7	988.3	998.0	999.9	1003.8	1011.5	1019.3	1021.2	1023.1
130°	1021.2	1032.8	1042.5	1052.2	1056.0	1058.0	1067.6	1073.4	1077.3	1079.2
132.5°	1069.6	1081.2	1090.8	1100.5	1104.4	1108.2	1114.1	1123.7	1125.7	1125.7
135°	1114.1	1125.7	1135.3	1146.9	1148.9	1152.7	1160.5	1166.3	1170.1	1172.1
137.5°	1154.7	1166.3	1177.9	1187.5	1191.4	1193.3	1201.1	1208.8	1212.7	1214.6
140°	1191.4	1203.0	1214.6	1222.4	1224.3	1230.1	1235.9	1243.6	1247.5	1249.4
142.5°	1226.2	1235.9	1245.6	1255.2	1257.2	1261.0	1266.8	1274.6	1278.5	1280.4
145°	1257.2	1266.8	1274.6	1282.3	1284.3	1288.1	1293.9	1299.7	1303.6	1305.5
147.5°	1286.2	1293.9	1301.7	1307.5	1309.4	1313.3	1317.1	1321.0	1324.9	1326.8
150°	1311.3	1315.2	1322.9	1326.8	1328.7	1332.6	1336.5	1340.3	1344.2	1346.1
152.5°	1330.7	1336.5	1340.3	1346.1	1348.1	1350.0	1353.9	1357.7	1361.6	1361.6
155°	1346.1	1351.9	1355.8	1361.6	1363.6	1365.5	1369.4	1371.3	1375.2	1375.2
157.5°	1357.7	1363.6	1367.4	1371.3	1373.2	1375.2	1377.1	1381.0	1384.8	1384.8
160°	1371.3	1373.2	1375.2	1379.0	1379.0	1381.0	1382.9	1384.8	1388.7	1388.7
162.5°	1382.9	1384.8	1381.0	1382.9	1381.0	1382.9	1384.8	1386.8	1388.7	1388.7
165°	1386.8	1390.6	1388.7	1390.6	1390.6	1390.6	1390.6	1392.6	1392.6	1392.6
167.5°	1386.8	1390.6	1388.7	1388.7	1390.6	1390.6	1392.6	1394.5	1394.5	1394.5
170°	1386.8	1388.7	1386.8	1384.8	1386.8	1386.8	1386.8	1388.7	1388.7	1388.7
172.5°	1384.8	1386.8	1382.9	1381.0	1381.0	1381.0	1379.0	1379.0	1377.1	1377.1
175°	1382.9	1382.9	1379.0	1377.1	1377.1	1377.1	1373.2	1371.3	1369.4	1367.4
177.5°	1381.0	1381.0	1375.2	1373.2	1373.2	1371.3	1371.3	1367.4	1367.4	1365.5
180°	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1

(END OF REPORT)