

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: P395623

Luminaire Tested: **I3-FL-80L82765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395623
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 (4000K)
Description: CORELITE I3, FROSTED TOP COVER
8000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7245.0 lumens
Efficiency: N/A
Efficacy: 115.0 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

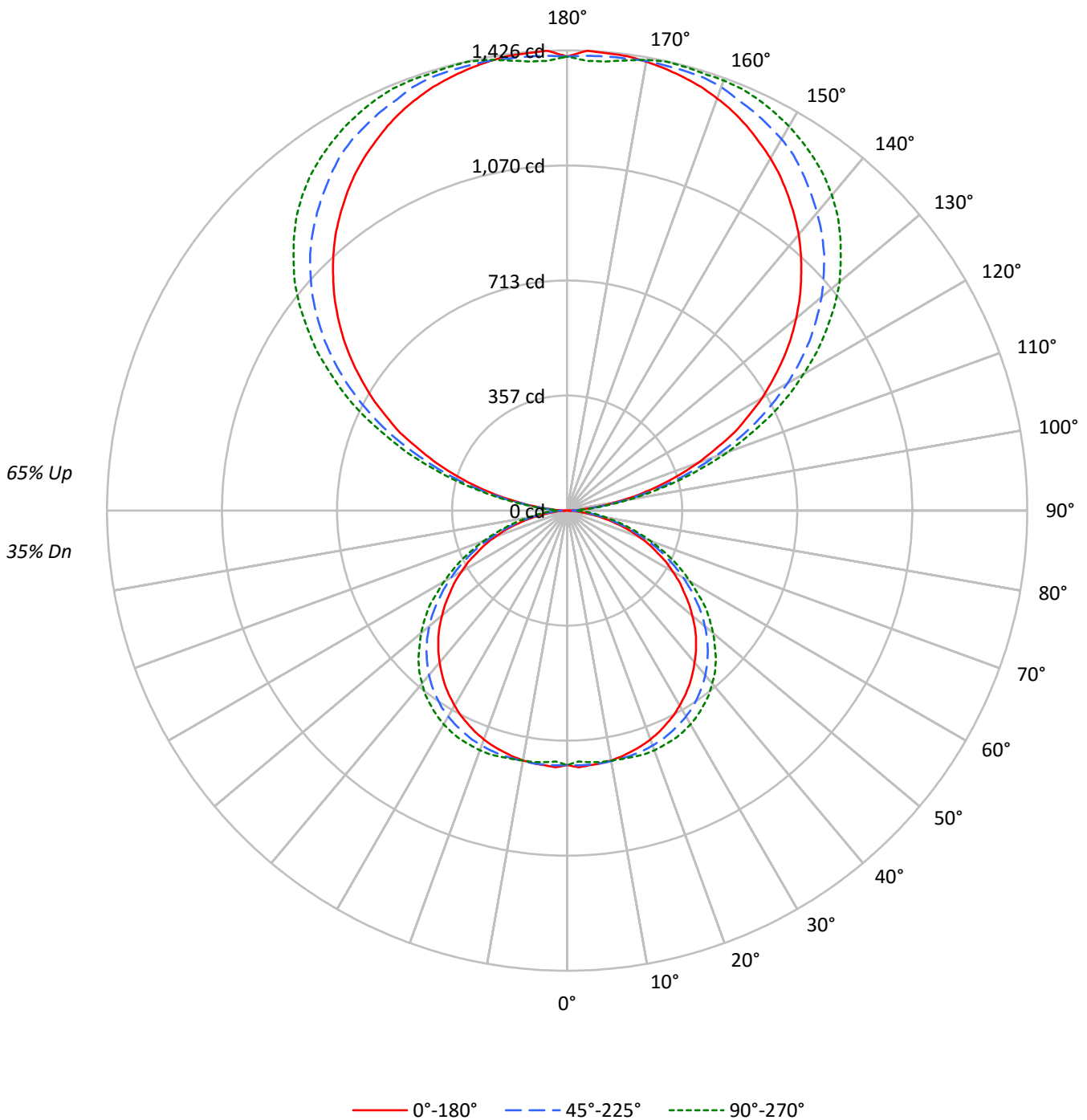
Input Watts (W): 63
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-FL-80L82765-1D-UNV-W2A-W-4 (4000K)

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°	4333	4333	4333
5°	4355	4261	4195
10°	4356	4203	4145
15°	4346	4166	4128
20°	4347	4131	4122
25°	4335	4094	4107
30°	4320	4055	4070
35°	4300	3990	4009
40°	4256	3906	3921
45°	4213	3785	3801
50°	4116	3618	3615
55°	3998	3390	3399
60°	3864	3123	3071
65°	3673	2798	2727
70°	3411	2385	2303
75°	2969	1896	1832
80°	2318	1347	1341
85°	1256	772	881



TEST NUMBER: P395623

CATALOG NUMBER: I3-FL-80L82765-1D-UNV-W2A-W-4 (4000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.2	1.0
10°-20°	221.1	3.1
20°-30°	348.6	4.8
30°-40°	438.1	6.0
40°-50°	471.1	6.5
50°-60°	433.3	6.0
60°-70°	332.0	4.6
70°-80°	189.0	2.6
80°-90°	59.0	0.8
90°-100°	78.9	1.1
100°-110°	343.4	4.7
110°-120°	628.6	8.7
120°-130°	810.2	11.2
130°-140°	862.1	11.9
140°-150°	793.2	10.9
150°-160°	628.4	8.7
160°-170°	397.9	5.5
170°-180°	134.7	1.9
0°-30°	644.8	8.9
0°-40°	1083.0	14.9
0°-60°	1987.4	27.4
0°-90°	2567.5	35.4
90°-120°	1050.9	14.5
90°-150°	3516.5	48.5
90°-180°	4678.0	64.6
0°-180°	7245.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	788	788	788	788	788	
5°	792	784	790	786	782	75
15°	772	768	784	790	790	218
25°	729	731	759	776	782	336
35°	660	668	705	729	737	413
45°	565	579	616	642	652	435
55°	443	460	488	514	524	397
65°	308	318	338	354	360	306
75°	162	166	178	188	194	171
85°	30	38	49	63	67	37
90°	2	6	18	26	30	4
95°	53	51	57	65	67	67
105°	290	304	328	348	354	309
115°	571	597	644	678	695	560
125°	816	852	917	962	982	729
135°	1025	1059	1126	1174	1197	791
145°	1193	1219	1274	1312	1334	747
155°	1316	1332	1365	1393	1405	607
165°	1391	1391	1411	1420	1422	393
175°	1422	1413	1413	1407	1397	136
180°	1407	1407	1407	1407	1407	



TEST NUMBER: P395623

CATALOG NUMBER: I3-FL-80L82765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	788.3	788.3	788.3	788.3	788.3	788.3	788.3	788.3	788.3	788.3	788.3
2.5°	796.2	794.2	792.3	788.3	788.3	786.3	786.3	786.3	786.3	788.3	790.3
5°	792.3	792.3	790.3	786.3	786.3	784.3	784.3	786.3	784.3	786.3	790.3
7.5°	790.3	790.3	788.3	784.3	784.3	784.3	784.3	784.3	784.3	786.3	790.3
10°	786.3	786.3	782.4	780.4	780.4	780.4	780.4	782.4	782.4	784.3	788.3
12.5°	780.4	778.4	776.4	774.5	774.5	774.5	776.4	778.4	778.4	782.4	786.3
15°	772.5	772.5	770.5	768.5	768.5	768.5	770.5	772.5	774.5	778.4	784.3
17.5°	764.6	764.6	762.6	762.6	762.6	762.6	764.6	766.6	770.5	774.5	780.4
20°	754.7	754.7	752.7	752.7	752.7	754.7	754.7	758.7	762.6	768.5	774.5
22.5°	742.9	742.9	742.9	740.9	742.9	744.8	746.8	750.8	754.7	760.6	768.5
25°	729.0	729.0	729.0	729.0	731.0	731.0	735.0	738.9	742.9	750.8	758.7
27.5°	715.2	715.2	715.2	713.2	717.2	719.2	721.1	727.1	731.0	740.9	748.8
30°	697.4	697.4	697.4	699.4	701.4	703.3	707.3	713.2	717.2	727.1	736.9
32.5°	679.6	679.6	679.6	679.6	685.6	687.5	689.5	695.4	703.3	713.2	723.1
35°	659.9	659.9	659.9	661.9	665.8	667.8	671.7	677.7	685.6	695.4	705.3
37.5°	638.1	640.1	640.1	642.1	646.1	650.0	654.0	659.9	667.8	677.7	687.5
40°	614.4	616.4	616.4	618.4	622.3	626.3	630.2	638.1	646.1	655.9	665.8
42.5°	590.7	592.7	592.7	596.7	600.6	604.6	608.5	616.4	624.3	634.2	642.1
45°	565.0	567.0	567.0	571.0	576.9	578.9	584.8	592.7	600.6	608.5	616.4
47.5°	537.4	539.4	539.4	543.3	549.2	553.2	557.1	565.0	571.0	580.9	588.8
50°	505.8	507.8	509.7	513.7	521.6	525.5	529.5	535.4	543.3	549.2	557.1
52.5°	476.1	476.1	478.1	482.1	488.0	491.9	493.9	499.8	509.7	517.6	525.5
55°	442.6	444.5	446.5	450.5	456.4	460.3	462.3	468.2	474.2	480.1	488.0
57.5°	412.9	412.9	414.9	418.8	424.8	426.7	428.7	432.7	440.6	446.5	452.4
60°	377.4	379.3	381.3	385.3	389.2	393.2	393.2	399.1	405.0	410.9	414.9
62.5°	345.7	345.7	347.7	351.7	353.6	357.6	357.6	363.5	367.5	373.4	377.4
65°	308.2	310.2	312.2	314.1	318.1	318.1	320.1	324.0	328.0	331.9	337.8
67.5°	274.6	274.6	276.6	278.6	280.5	280.5	282.5	286.5	290.4	294.4	298.3
70°	237.1	239.1	239.1	239.1	241.0	243.0	245.0	247.0	250.9	252.9	256.8
72.5°	199.5	199.5	201.5	201.5	203.5	205.5	207.4	209.4	211.4	215.4	217.3
75°	162.0	162.0	164.0	164.0	166.0	166.0	166.0	169.9	171.9	175.8	177.8
77.5°	124.5	126.4	126.4	126.4	128.4	130.4	130.4	132.4	136.3	138.3	140.3
80°	90.9	90.9	90.9	90.9	92.9	94.8	96.8	96.8	100.8	104.7	106.7
82.5°	57.3	57.3	59.3	61.2	61.2	63.2	65.2	67.2	71.1	73.1	75.1
85°	29.6	29.6	31.6	33.6	35.6	37.5	37.5	39.5	43.5	47.4	49.4
87.5°	9.9	11.9	11.9	13.8	15.8	17.8	19.8	21.7	25.7	29.6	31.6
90°	2.0	2.0	2.0	4.0	5.9	5.9	7.9	9.9	11.9	13.8	17.8
92.5°	17.8	17.8	15.8	17.8	17.8	17.8	17.8	19.8	21.7	21.7	25.7
95°	53.3	51.4	51.4	51.4	51.4	51.4	51.4	53.3	55.3	55.3	57.3
97.5°	102.7	102.7	100.8	100.8	102.7	102.7	102.7	104.7	108.7	106.7	110.6
100°	160.0	160.0	158.1	160.0	162.0	164.0	167.9	167.9	171.9	171.9	177.8
102.5°	225.2	225.2	223.3	227.2	229.2	233.1	233.1	237.1	243.0	243.0	250.9
105°	290.4	292.4	292.4	296.4	300.3	304.3	304.3	310.2	318.1	318.1	328.0
107.5°	361.6	363.5	363.5	367.5	371.4	375.4	377.4	385.3	393.2	395.1	407.0
110°	430.7	432.7	434.7	438.6	442.6	448.5	452.4	460.3	470.2	474.2	484.0



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CATALOG NUMBER: I3-FL-80L82765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	495.9	503.8	505.8	511.7	517.6	523.6	527.5	537.4	549.2	555.2	567.0
115°	571.0	574.9	576.9	582.8	590.7	596.7	600.6	610.5	622.3	630.2	644.1
117.5°	632.2	642.1	644.1	650.0	657.9	663.8	667.8	679.6	693.5	703.3	717.2
120°	697.4	705.3	713.2	717.2	723.1	731.0	735.0	746.8	762.6	772.5	788.3
122.5°	756.7	764.6	772.5	778.4	786.3	790.3	796.2	810.0	825.8	837.7	853.5
125°	816.0	825.8	831.8	837.7	847.6	851.5	857.4	871.3	887.1	900.9	916.7
127.5°	873.3	879.2	889.1	893.0	902.9	906.8	912.8	928.6	944.4	958.2	974.0
130°	926.6	934.5	942.4	944.4	956.2	962.2	968.1	981.9	999.7	1013.5	1029.3
132.5°	978.0	981.9	991.8	997.7	1007.6	1013.5	1019.5	1031.3	1049.1	1062.9	1078.7
135°	1025.4	1029.3	1041.2	1047.1	1053.0	1059.0	1066.9	1078.7	1096.5	1110.3	1126.1
137.5°	1072.8	1076.8	1088.6	1094.5	1098.5	1104.4	1110.3	1122.2	1140.0	1153.8	1167.6
140°	1116.3	1120.2	1128.1	1136.0	1140.0	1143.9	1149.9	1161.7	1177.5	1191.3	1205.2
142.5°	1155.8	1159.7	1167.6	1175.5	1181.5	1181.5	1187.4	1197.3	1215.0	1228.9	1240.7
145°	1193.3	1195.3	1203.2	1211.1	1219.0	1219.0	1221.0	1230.9	1246.7	1262.5	1274.3
147.5°	1228.9	1230.9	1236.8	1244.7	1250.6	1252.6	1256.5	1260.5	1276.3	1292.1	1305.9
150°	1260.5	1262.5	1266.4	1274.3	1278.3	1282.2	1286.2	1288.1	1300.0	1313.8	1329.6
152.5°	1288.1	1290.1	1294.1	1300.0	1304.0	1307.9	1311.9	1317.8	1323.7	1337.5	1347.4
155°	1315.8	1317.8	1319.8	1325.7	1329.6	1331.6	1333.6	1341.5	1347.4	1355.3	1365.2
157.5°	1339.5	1339.5	1341.5	1345.4	1349.4	1349.4	1351.4	1359.3	1365.2	1373.1	1379.0
160°	1359.3	1359.3	1361.2	1365.2	1365.2	1367.2	1369.2	1375.1	1379.0	1388.9	1396.8
162.5°	1377.1	1375.1	1377.1	1379.0	1379.0	1379.0	1381.0	1385.0	1390.9	1398.8	1406.7
165°	1390.9	1390.9	1390.9	1392.9	1392.9	1390.9	1390.9	1394.8	1398.8	1404.7	1410.6
167.5°	1402.7	1402.7	1400.8	1402.7	1400.8	1400.8	1398.8	1400.8	1402.7	1408.7	1412.6
170°	1412.6	1410.6	1410.6	1410.6	1408.7	1406.7	1406.7	1406.7	1406.7	1410.6	1414.6
172.5°	1420.5	1418.5	1416.6	1416.6	1412.6	1410.6	1410.6	1408.7	1408.7	1410.6	1412.6
175°	1422.5	1420.5	1418.5	1418.5	1414.6	1412.6	1410.6	1410.6	1408.7	1410.6	1412.6
177.5°	1426.4	1424.5	1420.5	1420.5	1416.6	1412.6	1412.6	1410.6	1408.7	1410.6	1410.6
180°	1406.7	1406.7	1406.7	1406.7	1406.7	1406.7	1406.7	1406.7	1406.7	1406.7	1406.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	788.3	788.3	788.3	788.3	788.3	788.3	788.3	788.3	788.3	788.3
2.5°	792.3	792.3	790.3	788.3	788.3	786.3	784.3	782.4	780.4	778.4
5°	792.3	790.3	788.3	788.3	786.3	786.3	786.3	784.3	782.4	782.4
7.5°	792.3	792.3	790.3	788.3	788.3	788.3	788.3	788.3	786.3	786.3
10°	792.3	790.3	790.3	790.3	788.3	790.3	790.3	788.3	788.3	786.3
12.5°	790.3	790.3	790.3	790.3	790.3	790.3	790.3	790.3	790.3	788.3
15°	786.3	788.3	788.3	790.3	790.3	790.3	792.3	792.3	790.3	790.3
17.5°	784.3	786.3	788.3	790.3	790.3	790.3	792.3	792.3	792.3	792.3
20°	780.4	782.4	784.3	786.3	786.3	788.3	788.3	790.3	790.3	790.3
22.5°	772.5	774.5	778.4	780.4	782.4	784.3	786.3	786.3	786.3	786.3
25°	764.6	768.5	770.5	774.5	776.4	778.4	780.4	780.4	780.4	782.4
27.5°	754.7	758.7	764.6	766.6	768.5	770.5	772.5	774.5	774.5	774.5
30°	742.9	748.8	752.7	756.7	758.7	760.6	762.6	762.6	764.6	764.6
32.5°	729.0	735.0	738.9	742.9	744.8	746.8	750.8	750.8	752.7	752.7
35°	711.2	717.2	723.1	727.1	729.0	731.0	735.0	736.9	736.9	736.9
37.5°	693.5	699.4	705.3	711.2	713.2	715.2	719.2	719.2	721.1	721.1
40°	671.7	677.7	683.6	689.5	689.5	693.5	695.4	697.4	699.4	699.4
42.5°	650.0	655.9	659.9	665.8	667.8	669.8	671.7	675.7	675.7	677.7
45°	624.3	630.2	634.2	640.1	642.1	644.1	648.0	650.0	652.0	652.0
47.5°	596.7	600.6	604.6	610.5	614.4	616.4	618.4	620.4	622.3	620.4
50°	565.0	569.0	574.9	580.9	582.8	584.8	588.8	588.8	590.7	590.7
52.5°	531.5	537.4	541.3	547.3	549.2	551.2	555.2	555.2	557.1	557.1
55°	493.9	497.9	501.8	511.7	513.7	515.7	519.6	519.6	521.6	523.6
57.5°	458.4	460.3	466.3	470.2	474.2	474.2	476.1	478.1	480.1	480.1
60°	420.8	422.8	426.7	432.7	432.7	434.7	438.6	438.6	440.6	440.6
62.5°	381.3	385.3	389.2	395.1	393.2	395.1	399.1	399.1	401.1	401.1
65°	341.8	343.8	347.7	351.7	353.6	353.6	355.6	357.6	359.6	359.6
67.5°	300.3	304.3	306.2	312.2	310.2	312.2	314.1	314.1	316.1	316.1
70°	260.8	262.8	266.7	268.7	268.7	270.7	272.6	272.6	272.6	274.6
72.5°	221.3	223.3	225.2	227.2	227.2	229.2	231.2	231.2	233.1	233.1
75°	179.8	183.7	185.7	189.7	187.7	189.7	193.6	193.6	193.6	193.6
77.5°	144.2	146.2	150.2	152.1	152.1	152.1	156.1	154.1	156.1	156.1
80°	108.7	110.6	114.6	116.6	116.6	118.5	120.5	120.5	120.5	122.5
82.5°	77.1	81.0	85.0	86.9	86.9	88.9	90.9	90.9	92.9	92.9
85°	53.3	57.3	61.2	61.2	63.2	65.2	67.2	67.2	67.2	67.2
87.5°	35.6	37.5	39.5	41.5	43.5	43.5	45.4	45.4	47.4	47.4
90°	19.8	21.7	23.7	25.7	25.7	27.7	27.7	29.6	29.6	29.6
92.5°	27.7	27.7	29.6	31.6	31.6	31.6	31.6	33.6	33.6	33.6
95°	59.3	61.2	61.2	65.2	65.2	65.2	67.2	67.2	67.2	67.2
97.5°	114.6	114.6	114.6	118.5	118.5	118.5	120.5	120.5	120.5	122.5
100°	179.8	181.8	181.8	187.7	185.7	189.7	189.7	189.7	189.7	191.6
102.5°	252.9	256.8	258.8	264.7	264.7	264.7	268.7	266.7	268.7	268.7
105°	331.9	335.9	337.8	343.8	347.7	347.7	351.7	349.7	351.7	353.6
107.5°	410.9	416.9	420.8	426.7	430.7	432.7	432.7	434.7	436.6	438.6
110°	491.9	497.9	507.8	513.7	515.7	519.6	521.6	523.6	525.5	529.5



TEST NUMBER: P395623

CATALOG NUMBER: I3-FL-80L82765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	576.9	582.8	590.7	598.6	596.7	602.6	606.5	608.5	610.5	608.5
115°	654.0	661.9	669.8	677.7	677.7	681.6	689.5	691.5	691.5	695.4
117.5°	727.1	736.9	744.8	752.7	754.7	758.7	764.6	770.5	770.5	774.5
120°	798.2	810.0	817.9	825.8	829.8	831.8	837.7	845.6	845.6	845.6
122.5°	865.4	875.2	885.1	893.0	897.0	900.9	904.9	914.7	914.7	918.7
125°	928.6	940.4	950.3	958.2	962.2	966.1	974.0	979.9	981.9	981.9
127.5°	987.8	999.7	1009.6	1019.5	1021.4	1025.4	1033.3	1041.2	1043.2	1045.1
130°	1043.2	1055.0	1064.9	1074.8	1078.7	1080.7	1090.6	1096.5	1100.5	1102.4
132.5°	1092.6	1104.4	1114.3	1124.2	1128.1	1132.1	1138.0	1147.9	1149.9	1149.9
135°	1138.0	1149.9	1159.7	1171.6	1173.6	1177.5	1185.4	1191.3	1195.3	1197.3
137.5°	1179.5	1191.3	1203.2	1213.1	1217.0	1219.0	1226.9	1234.8	1238.8	1240.7
140°	1217.0	1228.9	1240.7	1248.6	1250.6	1256.5	1262.5	1270.4	1274.3	1276.3
142.5°	1252.6	1262.5	1272.3	1282.2	1284.2	1288.1	1294.1	1302.0	1305.9	1307.9
145°	1284.2	1294.1	1302.0	1309.9	1311.9	1315.8	1321.7	1327.7	1331.6	1333.6
147.5°	1313.8	1321.7	1329.6	1335.6	1337.5	1341.5	1345.4	1349.4	1353.3	1355.3
150°	1339.5	1343.5	1351.4	1355.3	1357.3	1361.2	1365.2	1369.2	1373.1	1375.1
152.5°	1359.3	1365.2	1369.2	1375.1	1377.1	1379.0	1383.0	1386.9	1390.9	1390.9
155°	1375.1	1381.0	1385.0	1390.9	1392.9	1394.8	1398.8	1400.8	1404.7	1404.7
157.5°	1386.9	1392.9	1396.8	1400.8	1402.7	1404.7	1406.7	1410.6	1414.6	1414.6
160°	1400.8	1402.7	1404.7	1408.7	1408.7	1410.6	1412.6	1414.6	1418.5	1418.5
162.5°	1412.6	1414.6	1410.6	1412.6	1410.6	1412.6	1414.6	1416.6	1418.5	1418.5
165°	1416.6	1420.5	1418.5	1420.5	1420.5	1420.5	1420.5	1422.5	1422.5	1422.5
167.5°	1416.6	1420.5	1418.5	1418.5	1420.5	1420.5	1422.5	1424.5	1424.5	1424.5
170°	1416.6	1418.5	1416.6	1414.6	1416.6	1416.6	1416.6	1418.5	1418.5	1418.5
172.5°	1414.6	1416.6	1412.6	1410.6	1410.6	1410.6	1408.7	1408.7	1406.7	1406.7
175°	1412.6	1412.6	1408.7	1406.7	1406.7	1406.7	1402.7	1400.8	1398.8	1396.8
177.5°	1410.6	1410.6	1404.7	1402.7	1402.7	1400.8	1400.8	1396.8	1396.8	1394.8
180°	1406.7	1406.7	1406.7	1406.7	1406.7	1406.7	1406.7	1406.7	1406.7	1406.7

(END OF REPORT)