

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: P395634

Luminaire Tested: **I3-FL-80L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395634
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 (3000K)
Description: CORELITE I3, FROSTED TOP COVER
8000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5916.5 lumens
Efficiency: N/A
Efficacy: 95.9 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

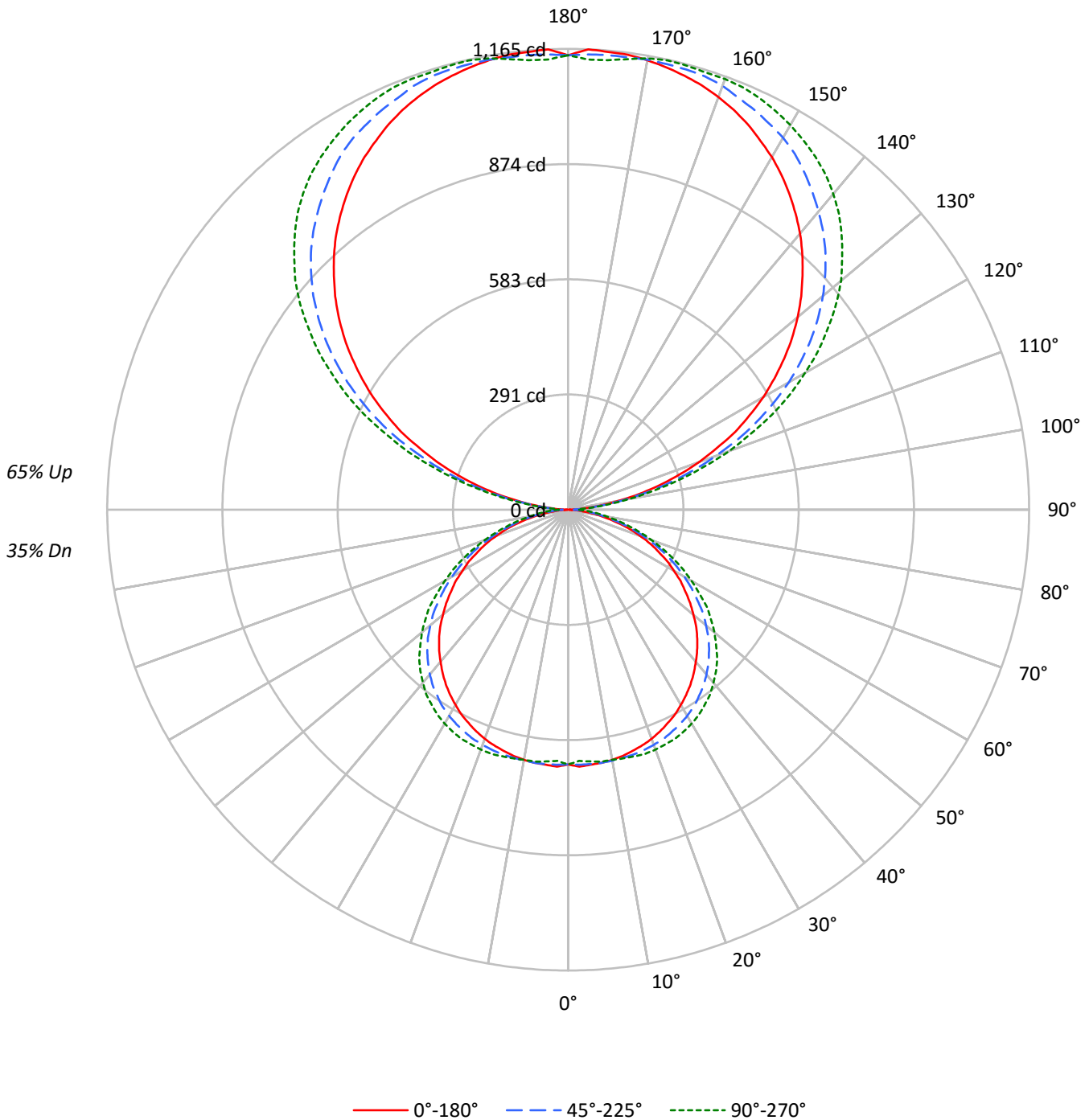
Input Watts (W): 61.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3539	3539	3539
5°	3557	3480	3425
10°	3557	3432	3385
15°	3549	3402	3371
20°	3550	3373	3367
25°	3540	3343	3353
30°	3528	3311	3323
35°	3511	3258	3274
40°	3476	3190	3202
45°	3440	3091	3104
50°	3361	2955	2952
55°	3265	2768	2776
60°	3155	2550	2508
65°	3000	2286	2227
70°	2786	1948	1882
75°	2425	1548	1496
80°	1892	1100	1095
85°	1027	629	720



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CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (3000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.4	1.0
10°-20°	180.5	3.1
20°-30°	284.7	4.8
30°-40°	357.8	6.0
40°-50°	384.7	6.5
50°-60°	353.9	6.0
60°-70°	271.1	4.6
70°-80°	154.4	2.6
80°-90°	48.2	0.8
90°-100°	64.5	1.1
100°-110°	280.4	4.7
110°-120°	513.3	8.7
120°-130°	661.7	11.2
130°-140°	704.1	11.9
140°-150°	647.8	10.9
150°-160°	513.2	8.7
160°-170°	325.0	5.5
170°-180°	110.0	1.9
0°-30°	526.6	8.9
0°-40°	884.4	14.9
0°-60°	1623.0	27.4
0°-90°	2096.7	35.4
90°-120°	858.2	14.5
90°-150°	2871.7	48.5
90°-180°	3820.0	64.6
0°-180°	5916.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	644	644	644	644	644	
5°	647	640	645	642	639	62
15°	631	628	640	645	645	178
25°	595	597	620	634	639	275
35°	539	545	576	595	602	337
45°	461	473	503	524	532	355
55°	361	376	398	420	428	324
65°	252	260	276	289	294	250
75°	132	136	145	153	158	140
85°	24	31	40	52	55	30
90°	2	5	14	21	24	4
95°	44	42	47	53	55	54
105°	237	248	268	284	289	252
115°	466	487	526	553	568	457
125°	666	695	749	786	802	595
135°	837	865	920	958	978	646
145°	974	996	1041	1071	1089	610
155°	1074	1087	1115	1138	1147	495
165°	1136	1136	1152	1160	1162	321
175°	1162	1154	1154	1149	1141	111
180°	1149	1149	1149	1149	1149	



TEST NUMBER: P395634

CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	643.8	643.8	643.8	643.8	643.8	643.8	643.8	643.8	643.8	643.8	643.8
2.5°	650.2	648.6	647.0	643.8	643.8	642.1	642.1	642.1	642.1	643.8	645.4
5°	647.0	647.0	645.4	642.1	642.1	640.5	640.5	642.1	640.5	642.1	645.4
7.5°	645.4	645.4	643.8	640.5	640.5	640.5	640.5	640.5	640.5	642.1	645.4
10°	642.1	642.1	638.9	637.3	637.3	637.3	637.3	638.9	638.9	640.5	643.8
12.5°	637.3	635.7	634.1	632.5	632.5	632.5	634.1	635.7	635.7	638.9	642.1
15°	630.8	630.8	629.2	627.6	627.6	627.6	629.2	630.8	632.5	635.7	640.5
17.5°	624.4	624.4	622.8	622.8	622.8	622.8	624.4	626.0	629.2	632.5	637.3
20°	616.3	616.3	614.7	614.7	614.7	616.3	616.3	619.6	622.8	627.6	632.5
22.5°	606.6	606.6	606.6	605.0	606.6	608.3	609.9	613.1	616.3	621.2	627.6
25°	595.3	595.3	595.3	595.3	597.0	597.0	600.2	603.4	606.6	613.1	619.6
27.5°	584.1	584.1	584.1	582.4	585.7	587.3	588.9	593.7	597.0	605.0	611.5
30°	569.5	569.5	569.5	571.1	572.8	574.4	577.6	582.4	585.7	593.7	601.8
32.5°	555.0	555.0	555.0	555.0	559.9	561.5	563.1	567.9	574.4	582.4	590.5
35°	538.9	538.9	538.9	540.5	543.7	545.3	548.6	553.4	559.9	567.9	576.0
37.5°	521.1	522.7	522.7	524.4	527.6	530.8	534.0	538.9	545.3	553.4	561.5
40°	501.8	503.4	503.4	505.0	508.2	511.5	514.7	521.1	527.6	535.7	543.7
42.5°	482.4	484.0	484.0	487.3	490.5	493.7	496.9	503.4	509.8	517.9	524.4
45°	461.4	463.0	463.0	466.3	471.1	472.7	477.6	484.0	490.5	496.9	503.4
47.5°	438.8	440.5	440.5	443.7	448.5	451.8	455.0	461.4	466.3	474.3	480.8
50°	413.0	414.6	416.3	419.5	425.9	429.2	432.4	437.2	443.7	448.5	455.0
52.5°	388.8	388.8	390.4	393.7	398.5	401.7	403.4	408.2	416.3	422.7	429.2
55°	361.4	363.0	364.6	367.9	372.7	375.9	377.5	382.4	387.2	392.1	398.5
57.5°	337.2	337.2	338.8	342.0	346.9	348.5	350.1	353.3	359.8	364.6	369.5
60°	308.2	309.8	311.4	314.6	317.8	321.1	321.1	325.9	330.7	335.6	338.8
62.5°	282.3	282.3	284.0	287.2	288.8	292.0	292.0	296.9	300.1	304.9	308.2
65°	251.7	253.3	254.9	256.5	259.8	259.8	261.4	264.6	267.8	271.1	275.9
67.5°	224.3	224.3	225.9	227.5	229.1	229.1	230.7	233.9	237.2	240.4	243.6
70°	193.6	195.2	195.2	195.2	196.8	198.4	200.1	201.7	204.9	206.5	209.7
72.5°	163.0	163.0	164.6	164.6	166.2	167.8	169.4	171.0	172.6	175.9	177.5
75°	132.3	132.3	133.9	133.9	135.5	135.5	135.5	138.8	140.4	143.6	145.2
77.5°	101.6	103.3	103.3	103.3	104.9	106.5	106.5	108.1	111.3	112.9	114.6
80°	74.2	74.2	74.2	74.2	75.8	77.4	79.1	79.1	82.3	85.5	87.1
82.5°	46.8	46.8	48.4	50.0	50.0	51.6	53.2	54.9	58.1	59.7	61.3
85°	24.2	24.2	25.8	27.4	29.0	30.7	30.7	32.3	35.5	38.7	40.3
87.5°	8.1	9.7	9.7	11.3	12.9	14.5	16.1	17.7	21.0	24.2	25.8
90°	1.6	1.6	1.6	3.2	4.8	4.8	6.5	8.1	9.7	11.3	14.5
92.5°	14.5	14.5	12.9	14.5	14.5	14.5	14.5	16.1	17.7	17.7	21.0
95°	43.6	41.9	41.9	41.9	41.9	41.9	41.9	43.6	45.2	45.2	46.8
97.5°	83.9	83.9	82.3	82.3	83.9	83.9	83.9	85.5	88.7	87.1	90.4
100°	130.7	130.7	129.1	130.7	132.3	133.9	137.1	137.1	140.4	140.4	145.2
102.5°	183.9	183.9	182.3	185.5	187.2	190.4	190.4	193.6	198.4	198.4	204.9
105°	237.2	238.8	238.8	242.0	245.2	248.5	248.5	253.3	259.8	259.8	267.8
107.5°	295.3	296.9	296.9	300.1	303.3	306.5	308.2	314.6	321.1	322.7	332.4
110°	351.7	353.3	355.0	358.2	361.4	366.2	369.5	375.9	384.0	387.2	395.3



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CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	405.0	411.4	413.0	417.9	422.7	427.6	430.8	438.8	448.5	453.4	463.0
115°	466.3	469.5	471.1	476.0	482.4	487.3	490.5	498.5	508.2	514.7	526.0
117.5°	516.3	524.4	526.0	530.8	537.3	542.1	545.3	555.0	566.3	574.4	585.7
120°	569.5	576.0	582.4	585.7	590.5	597.0	600.2	609.9	622.8	630.8	643.8
122.5°	617.9	624.4	630.8	635.7	642.1	645.4	650.2	661.5	674.4	684.1	697.0
125°	666.3	674.4	679.2	684.1	692.2	695.4	700.2	711.5	724.4	735.7	748.6
127.5°	713.1	718.0	726.0	729.3	737.3	740.6	745.4	758.3	771.2	782.5	795.4
130°	756.7	763.1	769.6	771.2	780.9	785.7	790.6	801.9	816.4	827.7	840.6
132.5°	798.6	801.9	809.9	814.8	822.8	827.7	832.5	842.2	856.7	868.0	880.9
135°	837.4	840.6	850.3	855.1	859.9	864.8	871.2	880.9	895.4	906.7	919.6
137.5°	876.1	879.3	889.0	893.8	897.1	901.9	906.7	916.4	930.9	942.2	953.5
140°	911.6	914.8	921.3	927.7	930.9	934.2	939.0	948.7	961.6	972.9	984.2
142.5°	943.8	947.1	953.5	960.0	964.8	964.8	969.7	977.7	992.2	1003.5	1013.2
145°	974.5	976.1	982.6	989.0	995.5	995.5	997.1	1005.2	1018.1	1031.0	1040.7
147.5°	1003.5	1005.2	1010.0	1016.5	1021.3	1022.9	1026.1	1029.4	1042.3	1055.2	1066.5
150°	1029.4	1031.0	1034.2	1040.7	1043.9	1047.1	1050.3	1051.9	1061.6	1072.9	1085.8
152.5°	1051.9	1053.6	1056.8	1061.6	1064.9	1068.1	1071.3	1076.1	1081.0	1092.3	1100.3
155°	1074.5	1076.1	1077.8	1082.6	1085.8	1087.4	1089.1	1095.5	1100.3	1106.8	1114.9
157.5°	1093.9	1093.9	1095.5	1098.7	1102.0	1102.0	1103.6	1110.0	1114.9	1121.3	1126.2
160°	1110.0	1110.0	1111.6	1114.9	1114.9	1116.5	1118.1	1122.9	1126.2	1134.2	1140.7
162.5°	1124.5	1122.9	1124.5	1126.2	1126.2	1126.2	1127.8	1131.0	1135.8	1142.3	1148.7
165°	1135.8	1135.8	1135.8	1137.5	1137.5	1135.8	1135.8	1139.1	1142.3	1147.1	1152.0
167.5°	1145.5	1145.5	1143.9	1145.5	1143.9	1143.9	1142.3	1143.9	1145.5	1150.4	1153.6
170°	1153.6	1152.0	1152.0	1152.0	1150.4	1148.7	1148.7	1148.7	1148.7	1152.0	1155.2
172.5°	1160.0	1158.4	1156.8	1156.8	1153.6	1152.0	1152.0	1150.4	1150.4	1152.0	1153.6
175°	1161.7	1160.0	1158.4	1158.4	1155.2	1153.6	1152.0	1152.0	1150.4	1152.0	1153.6
177.5°	1164.9	1163.3	1160.0	1160.0	1156.8	1153.6	1153.6	1152.0	1150.4	1152.0	1152.0
180°	1148.7	1148.7	1148.7	1148.7	1148.7	1148.7	1148.7	1148.7	1148.7	1148.7	1148.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	643.8	643.8	643.8	643.8	643.8	643.8	643.8	643.8	643.8	643.8
2.5°	647.0	647.0	645.4	643.8	643.8	642.1	640.5	638.9	637.3	635.7
5°	647.0	645.4	643.8	643.8	642.1	642.1	642.1	640.5	638.9	638.9
7.5°	647.0	647.0	645.4	643.8	643.8	643.8	643.8	643.8	642.1	642.1
10°	647.0	645.4	645.4	645.4	643.8	645.4	645.4	643.8	643.8	642.1
12.5°	645.4	645.4	645.4	645.4	645.4	645.4	645.4	645.4	645.4	643.8
15°	642.1	643.8	643.8	645.4	645.4	645.4	647.0	647.0	645.4	645.4
17.5°	640.5	642.1	643.8	645.4	645.4	645.4	647.0	647.0	647.0	647.0
20°	637.3	638.9	640.5	642.1	642.1	643.8	643.8	645.4	645.4	645.4
22.5°	630.8	632.5	635.7	637.3	638.9	640.5	642.1	642.1	642.1	642.1
25°	624.4	627.6	629.2	632.5	634.1	635.7	637.3	637.3	637.3	638.9
27.5°	616.3	619.6	624.4	626.0	627.6	629.2	630.8	632.5	632.5	632.5
30°	606.6	611.5	614.7	617.9	619.6	621.2	622.8	622.8	624.4	624.4
32.5°	595.3	600.2	603.4	606.6	608.3	609.9	613.1	613.1	614.7	614.7
35°	580.8	585.7	590.5	593.7	595.3	597.0	600.2	601.8	601.8	601.8
37.5°	566.3	571.1	576.0	580.8	582.4	584.1	587.3	587.3	588.9	588.9
40°	548.6	553.4	558.2	563.1	563.1	566.3	567.9	569.5	571.1	571.1
42.5°	530.8	535.7	538.9	543.7	545.3	546.9	548.6	551.8	551.8	553.4
45°	509.8	514.7	517.9	522.7	524.4	526.0	529.2	530.8	532.4	532.4
47.5°	487.3	490.5	493.7	498.5	501.8	503.4	505.0	506.6	508.2	506.6
50°	461.4	464.7	469.5	474.3	476.0	477.6	480.8	480.8	482.4	482.4
52.5°	434.0	438.8	442.1	446.9	448.5	450.1	453.4	453.4	455.0	455.0
55°	403.4	406.6	409.8	417.9	419.5	421.1	424.3	424.3	425.9	427.6
57.5°	374.3	375.9	380.8	384.0	387.2	387.2	388.8	390.4	392.1	392.1
60°	343.7	345.3	348.5	353.3	353.3	355.0	358.2	358.2	359.8	359.8
62.5°	311.4	314.6	317.8	322.7	321.1	322.7	325.9	325.9	327.5	327.5
65°	279.1	280.7	284.0	287.2	288.8	288.8	290.4	292.0	293.6	293.6
67.5°	245.2	248.5	250.1	254.9	253.3	254.9	256.5	256.5	258.1	258.1
70°	213.0	214.6	217.8	219.4	219.4	221.0	222.7	222.7	222.7	224.3
72.5°	180.7	182.3	183.9	185.5	185.5	187.2	188.8	188.8	190.4	190.4
75°	146.8	150.0	151.7	154.9	153.3	154.9	158.1	158.1	158.1	158.1
77.5°	117.8	119.4	122.6	124.2	124.2	124.2	127.5	125.8	127.5	127.5
80°	88.7	90.4	93.6	95.2	95.2	96.8	98.4	98.4	98.4	100.0
82.5°	62.9	66.1	69.4	71.0	71.0	72.6	74.2	74.2	75.8	75.8
85°	43.6	46.8	50.0	50.0	51.6	53.2	54.9	54.9	54.9	54.9
87.5°	29.0	30.7	32.3	33.9	35.5	35.5	37.1	37.1	38.7	38.7
90°	16.1	17.7	19.4	21.0	21.0	22.6	22.6	24.2	24.2	24.2
92.5°	22.6	22.6	24.2	25.8	25.8	25.8	25.8	27.4	27.4	27.4
95°	48.4	50.0	50.0	53.2	53.2	53.2	54.9	54.9	54.9	54.9
97.5°	93.6	93.6	93.6	96.8	96.8	96.8	98.4	98.4	98.4	100.0
100°	146.8	148.4	148.4	153.3	151.7	154.9	154.9	154.9	154.9	156.5
102.5°	206.5	209.7	211.4	216.2	216.2	216.2	219.4	217.8	219.4	219.4
105°	271.1	274.3	275.9	280.7	284.0	284.0	287.2	285.6	287.2	288.8
107.5°	335.6	340.4	343.7	348.5	351.7	353.3	353.3	355.0	356.6	358.2
110°	401.7	406.6	414.6	419.5	421.1	424.3	425.9	427.6	429.2	432.4



TEST NUMBER: P395634

CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	471.1	476.0	482.4	488.9	487.3	492.1	495.3	496.9	498.5	496.9
115°	534.0	540.5	546.9	553.4	553.4	556.6	563.1	564.7	564.7	567.9
117.5°	593.7	601.8	608.3	614.7	616.3	619.6	624.4	629.2	629.2	632.5
120°	651.8	661.5	668.0	674.4	677.6	679.2	684.1	690.5	690.5	690.5
122.5°	706.7	714.7	722.8	729.3	732.5	735.7	738.9	747.0	747.0	750.2
125°	758.3	768.0	776.1	782.5	785.7	789.0	795.4	800.3	801.9	801.9
127.5°	806.7	816.4	824.5	832.5	834.1	837.4	843.8	850.3	851.9	853.5
130°	851.9	861.6	869.6	877.7	880.9	882.5	890.6	895.4	898.7	900.3
132.5°	892.2	901.9	910.0	918.0	921.3	924.5	929.3	937.4	939.0	939.0
135°	929.3	939.0	947.1	956.8	958.4	961.6	968.0	972.9	976.1	977.7
137.5°	963.2	972.9	982.6	990.6	993.9	995.5	1001.9	1008.4	1011.6	1013.2
140°	993.9	1003.5	1013.2	1019.7	1021.3	1026.1	1031.0	1037.4	1040.7	1042.3
142.5°	1022.9	1031.0	1039.0	1047.1	1048.7	1051.9	1056.8	1063.2	1066.5	1068.1
145°	1048.7	1056.8	1063.2	1069.7	1071.3	1074.5	1079.4	1084.2	1087.4	1089.1
147.5°	1072.9	1079.4	1085.8	1090.7	1092.3	1095.5	1098.7	1102.0	1105.2	1106.8
150°	1093.9	1097.1	1103.6	1106.8	1108.4	1111.6	1114.9	1118.1	1121.3	1122.9
152.5°	1110.0	1114.9	1118.1	1122.9	1124.5	1126.2	1129.4	1132.6	1135.8	1135.8
155°	1122.9	1127.8	1131.0	1135.8	1137.5	1139.1	1142.3	1143.9	1147.1	1147.1
157.5°	1132.6	1137.5	1140.7	1143.9	1145.5	1147.1	1148.7	1152.0	1155.2	1155.2
160°	1143.9	1145.5	1147.1	1150.4	1150.4	1152.0	1153.6	1155.2	1158.4	1158.4
162.5°	1153.6	1155.2	1152.0	1153.6	1152.0	1153.6	1155.2	1156.8	1158.4	1158.4
165°	1156.8	1160.0	1158.4	1160.0	1160.0	1160.0	1160.0	1161.7	1161.7	1161.7
167.5°	1156.8	1160.0	1158.4	1158.4	1160.0	1160.0	1161.7	1163.3	1163.3	1163.3
170°	1156.8	1158.4	1156.8	1155.2	1156.8	1156.8	1156.8	1158.4	1158.4	1158.4
172.5°	1155.2	1156.8	1153.6	1152.0	1152.0	1152.0	1150.4	1150.4	1148.7	1148.7
175°	1153.6	1153.6	1150.4	1148.7	1148.7	1148.7	1145.5	1143.9	1142.3	1140.7
177.5°	1152.0	1152.0	1147.1	1145.5	1145.5	1143.9	1143.9	1140.7	1140.7	1139.1
180°	1148.7	1148.7	1148.7	1148.7	1148.7	1148.7	1148.7	1148.7	1148.7	1148.7

(END OF REPORT)