

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: P395034

Luminaire Tested: **I3-CL-80L935-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395034  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/30/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: I3-CL-80L935-1D-UNV-STD-W-4  
Description: CORELITE I3, CLEAR TOP COVER  
8000 LUMENS  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

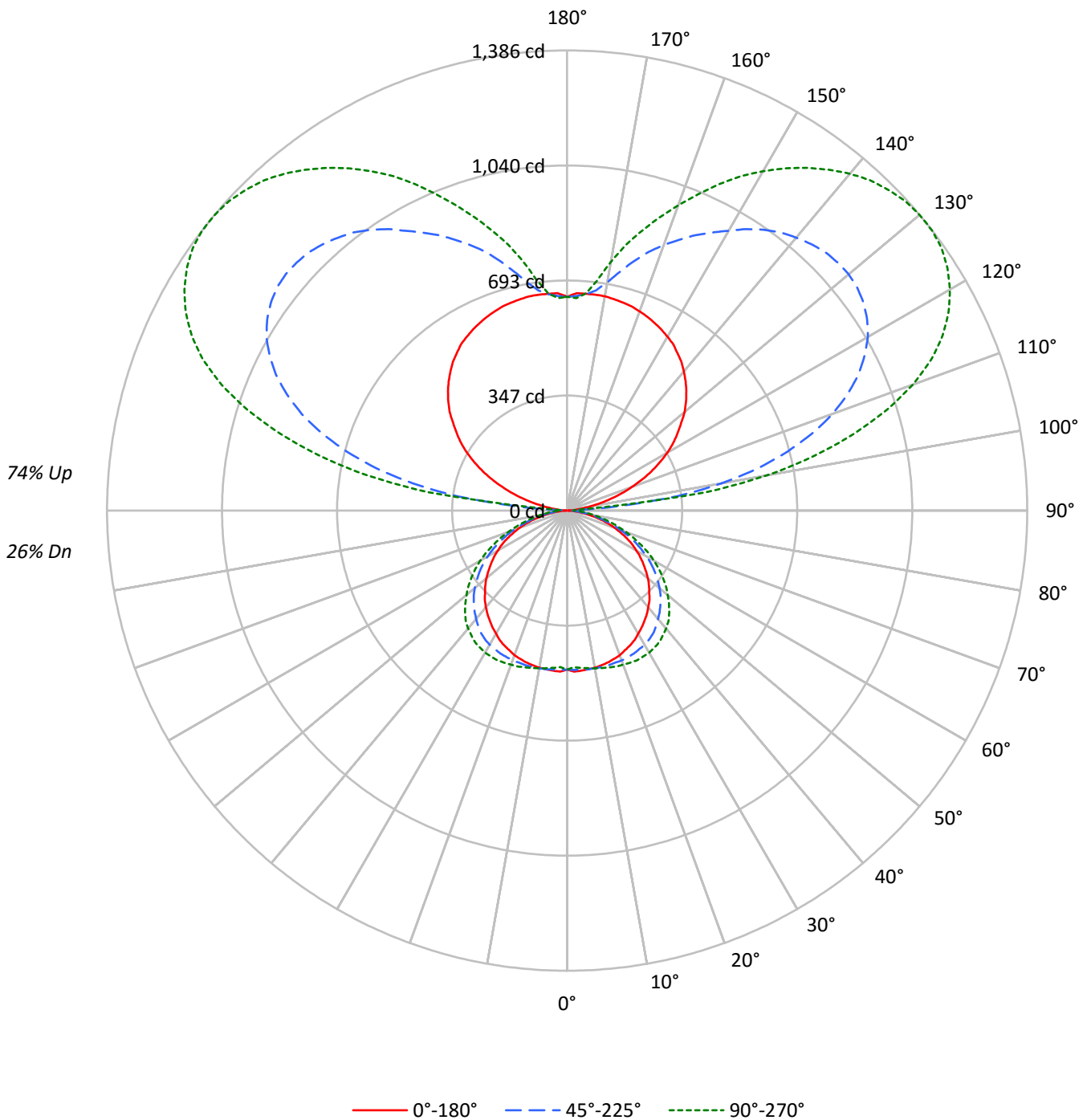
Lumens per Lamp: N/A  
Luminaire Lumens: 6310.0 lumens  
Efficiency: N/A  
Efficacy: 110.3 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')  
CIE Type: Semi-Indirect

Input Watts (W): 57.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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			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	101	101	101	101	91	91	91	91	70	70	70	51	51	51	34	34	34	26
1	92	88	84	81	82	79	75	73	61	59	57	45	43	42	30	29	28	22
2	84	77	71	65	74	68	63	59	53	50	47	39	37	35	26	25	24	18
3	76	67	60	54	68	60	54	49	47	42	39	34	32	29	23	21	20	15
4	70	59	51	45	62	53	46	41	41	37	33	30	27	25	20	18	17	13
5	64	52	44	39	56	47	40	35	37	32	28	27	24	21	18	16	15	11
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	13	9
7	54	42	34	29	48	38	31	26	30	25	21	22	19	16	15	13	11	8
8	50	38	30	25	44	34	27	23	27	22	18	20	17	14	14	11	10	7
9	46	34	27	22	41	31	25	20	24	20	16	18	15	13	12	10	9	6
10	43	31	24	20	38	28	22	18	22	18	15	17	13	11	11	9	8	6

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2632	2632	2632
5°	2661	2591	2549
10°	2662	2571	2542
15°	2665	2561	2554
20°	2670	2563	2577
25°	2665	2565	2611
30°	2651	2569	2630
35°	2644	2555	2633
40°	2635	2500	2599
45°	2608	2440	2534
50°	2584	2359	2421
55°	2531	2241	2282
60°	2468	2084	2106
65°	2367	1871	1867
70°	2199	1593	1581
75°	1899	1267	1269
80°	1474	900	930
85°	866	556	623



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.8	0.7
10°-20°	136.1	2.2
20°-30°	218.2	3.5
30°-40°	279.1	4.4
40°-50°	304.3	4.8
50°-60°	285.1	4.5
60°-70°	221.2	3.5
70°-80°	126.8	2.0
80°-90°	40.5	0.6
90°-100°	162.7	2.6
100°-110°	632.6	10.0
110°-120°	861.3	13.6
120°-130°	894.0	14.2
130°-140°	793.1	12.6
140°-150°	615.3	9.8
150°-160°	410.7	6.5
160°-170°	218.9	3.5
170°-180°	64.0	1.0
0°-30°	400.2	6.3
0°-40°	679.3	10.8
0°-60°	1268.7	20.1
0°-90°	1657.3	26.3
90°-120°	1656.7	26.3
90°-150°	3959.1	62.7
90°-180°	4653.0	73.7
0°-180°	6310.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	479	479	479	479	479	
5°	484	479	480	479	475	46
15°	474	472	482	489	489	134
25°	448	452	475	492	498	207
35°	406	414	452	475	484	254
45°	350	365	397	423	435	270
55°	280	295	323	345	352	251
65°	199	207	226	241	246	196
75°	104	109	119	131	134	111
85°	20	24	36	46	48	24
90°	2	5	12	17	20	2
95°	20	116	158	32	31	27
105°	134	406	688	817	895	143
115°	280	626	968	1138	1248	276
125°	406	739	1090	1280	1377	363
135°	508	778	1100	1290	1367	391
145°	579	778	1032	1199	1260	363
155°	623	735	915	1038	1085	288
165°	649	676	778	851	873	184
175°	655	652	654	657	657	63
180°	644	644	644	644	644	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8
2.5°	485.6	484.0	484.0	480.5	480.5	478.8	478.8	478.8	478.8	478.8	480.5
5°	484.0	484.0	482.2	480.5	480.5	478.8	478.8	478.8	478.8	478.8	480.5
7.5°	482.2	482.2	480.5	478.8	478.8	478.8	478.8	478.8	478.8	478.8	482.2
10°	480.5	480.5	478.8	477.2	477.2	477.2	477.2	478.8	478.8	478.8	482.2
12.5°	477.2	475.4	475.4	473.7	473.7	473.7	475.4	475.4	477.2	478.8	482.2
15°	473.7	473.7	472.0	470.4	472.0	472.0	472.0	473.7	475.4	477.2	482.2
17.5°	468.6	468.6	466.9	466.9	466.9	468.6	468.6	470.4	473.7	477.2	480.5
20°	463.6	461.8	461.8	461.8	463.6	463.6	465.3	468.6	470.4	475.4	480.5
22.5°	455.0	456.8	455.0	455.0	456.8	458.5	460.1	463.6	466.9	472.0	477.2
25°	448.2	448.2	448.2	448.2	451.7	451.7	455.0	458.5	463.6	468.6	475.4
27.5°	439.8	439.8	439.8	441.4	443.2	444.9	446.6	451.7	456.8	463.6	470.4
30°	427.9	427.9	427.9	427.9	433.0	434.7	438.1	444.9	450.0	458.5	466.9
32.5°	417.7	417.7	417.7	419.4	422.8	424.5	427.9	436.4	443.2	451.7	460.1
35°	405.8	405.8	407.5	407.5	412.6	414.3	417.7	424.5	431.3	441.4	451.7
37.5°	393.9	393.9	395.6	397.4	400.7	404.2	407.5	414.3	421.1	429.6	439.8
40°	380.4	380.4	382.0	383.7	388.8	392.3	395.6	402.4	409.2	417.7	426.2
42.5°	366.8	366.8	368.4	370.1	375.2	378.7	382.0	390.5	397.4	405.8	412.6
45°	349.8	351.5	353.2	356.5	361.7	365.1	368.4	375.2	383.7	390.5	397.4
47.5°	334.5	336.2	337.9	341.3	346.4	349.8	353.2	360.0	366.8	373.6	382.0
50°	317.5	319.3	320.9	324.3	329.4	332.8	336.2	343.0	349.8	354.9	363.3
52.5°	298.9	300.6	302.2	305.7	312.5	314.1	317.5	324.3	329.4	336.2	343.0
55°	280.2	281.9	283.5	287.0	292.1	295.4	297.1	303.9	309.0	315.8	322.6
57.5°	261.5	263.2	264.8	268.3	271.6	275.1	276.8	281.9	288.7	293.8	300.6
60°	241.1	242.8	244.5	246.2	251.3	253.0	254.7	259.8	264.8	271.6	276.8
62.5°	220.8	220.8	222.4	224.1	229.2	230.9	232.6	236.0	242.8	246.2	251.3
65°	198.6	198.6	200.4	202.1	205.4	207.2	208.9	212.2	217.3	220.8	225.8
67.5°	174.9	174.9	176.6	178.3	181.7	183.4	183.4	188.5	191.8	195.3	198.6
70°	152.8	152.8	154.5	154.5	156.2	157.9	159.6	163.0	164.7	169.8	171.5
72.5°	129.1	129.1	129.1	129.1	132.4	132.4	134.1	137.5	139.2	142.7	146.0
75°	103.6	103.6	105.3	105.3	106.9	108.7	110.4	112.1	115.5	117.2	118.8
77.5°	81.5	79.8	81.5	83.2	84.9	84.9	86.6	88.3	90.0	93.4	95.1
80°	57.8	57.8	57.8	59.4	61.1	61.1	62.9	64.5	66.2	69.7	71.3
82.5°	37.4	37.4	39.1	39.1	40.7	42.4	42.4	44.2	45.8	49.2	51.0
85°	20.4	20.4	20.4	22.0	23.8	23.8	25.5	27.2	30.6	32.3	35.6
87.5°	6.8	6.8	8.5	10.2	11.9	11.9	13.6	15.2	17.0	20.4	22.0
90°	1.7	1.7	1.7	3.4	3.4	5.1	5.1	6.8	8.5	10.2	11.9
92.5°	6.8	11.9	18.7	27.2	25.5	27.2	18.7	11.9	11.9	11.9	13.6
95°	20.4	30.6	49.2	78.1	101.9	115.5	127.3	139.2	163.0	164.7	157.9
97.5°	40.7	56.1	90.0	127.3	169.8	191.8	208.9	244.5	281.9	305.7	334.5
100°	67.9	90.0	134.1	185.1	234.4	263.2	290.3	341.3	387.1	427.9	472.0
102.5°	100.2	125.6	179.9	242.8	303.9	336.2	365.1	424.5	487.3	541.7	589.2
105°	134.1	163.0	227.6	298.9	368.4	405.8	441.4	506.0	572.2	631.6	687.7
107.5°	171.5	202.1	271.6	351.5	429.6	472.0	511.1	580.7	650.3	714.9	774.3
110°	207.2	241.1	314.1	400.7	489.0	531.5	570.5	647.0	720.0	787.9	850.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	244.5	280.2	353.2	448.2	538.3	582.4	623.2	704.6	781.1	850.7	913.5
115°	280.2	314.1	390.5	489.0	580.7	626.5	670.7	753.9	833.7	903.4	967.9
117.5°	314.1	346.4	424.5	523.0	618.0	663.9	708.1	794.6	874.4	947.4	1010.3
120°	348.1	376.9	461.8	551.8	648.6	694.5	740.3	826.9	908.4	981.5	1045.9
122.5°	378.7	405.8	489.0	577.3	672.4	720.0	764.1	852.4	935.6	1008.6	1071.4
125°	405.8	431.3	514.5	597.7	692.8	738.7	784.5	871.1	954.2	1025.6	1090.1
127.5°	433.0	458.5	533.1	618.0	706.4	753.9	798.1	884.7	966.1	1039.1	1102.0
130°	461.8	480.5	551.8	636.7	720.0	764.1	809.9	893.1	972.9	1044.2	1107.1
132.5°	485.6	502.6	570.5	652.0	730.1	772.6	813.3	896.6	976.4	1044.2	1105.4
135°	507.7	521.2	584.1	665.6	738.7	777.7	816.7	894.8	972.9	1040.9	1100.3
137.5°	528.1	541.7	596.0	675.8	745.5	779.4	816.7	889.8	964.5	1032.3	1088.4
140°	546.7	557.0	606.1	680.9	748.8	781.1	813.3	881.2	950.9	1017.1	1073.2
142.5°	565.4	573.9	614.7	684.3	750.5	781.1	811.7	871.1	935.6	1000.1	1056.2
145°	579.0	587.5	621.5	686.0	748.8	777.7	804.9	860.9	918.6	978.0	1032.3
147.5°	594.3	601.1	628.3	682.6	743.7	770.9	796.3	847.3	899.9	954.2	1005.2
150°	604.5	611.3	631.6	679.2	735.2	760.7	786.2	833.7	881.2	928.8	972.9
152.5°	614.7	619.7	636.7	674.1	725.0	748.8	772.6	818.5	862.5	905.0	944.1
155°	623.2	628.3	640.2	670.7	713.2	735.2	757.3	801.4	842.2	879.6	915.2
157.5°	631.6	635.1	643.5	665.6	699.6	720.0	740.3	779.4	816.7	854.1	883.0
160°	638.4	640.2	647.0	663.9	687.7	703.0	721.6	757.3	791.3	823.5	850.7
162.5°	645.2	645.2	650.3	660.6	677.5	687.7	701.3	731.8	762.4	791.3	816.7
165°	648.6	648.6	652.0	658.8	669.0	675.8	684.3	704.6	728.4	753.9	777.7
167.5°	652.0	652.0	653.8	657.1	663.9	667.3	670.7	684.3	699.6	718.2	736.9
170°	655.4	653.8	653.8	657.1	658.8	660.6	662.2	669.0	675.8	687.7	697.8
172.5°	655.4	653.8	653.8	655.4	655.4	655.4	655.4	657.1	658.8	665.6	669.0
175°	655.4	653.8	653.8	653.8	653.8	652.0	652.0	652.0	652.0	652.0	653.8
177.5°	655.4	653.8	652.0	652.0	650.3	650.3	648.6	648.6	647.0	647.0	647.0
180°	643.5	643.5	643.5	643.5	643.5	643.5	643.5	643.5	643.5	643.5	643.5



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8
2.5°	480.5	480.5	478.8	478.8	477.2	477.2	475.4	473.7	472.0	472.0
5°	482.2	480.5	478.8	478.8	478.8	477.2	477.2	477.2	475.4	475.4
7.5°	482.2	482.2	482.2	480.5	480.5	480.5	480.5	480.5	478.8	478.8
10°	484.0	484.0	484.0	484.0	484.0	484.0	484.0	482.2	482.2	482.2
12.5°	484.0	484.0	484.0	485.6	485.6	485.6	485.6	485.6	485.6	485.6
15°	485.6	485.6	487.3	487.3	489.0	489.0	490.7	490.7	490.7	489.0
17.5°	484.0	485.6	487.3	489.0	490.7	490.7	492.4	492.4	492.4	492.4
20°	484.0	487.3	489.0	490.7	492.4	492.4	494.1	495.8	495.8	494.1
22.5°	482.2	485.6	487.3	490.7	492.4	492.4	495.8	495.8	495.8	495.8
25°	480.5	484.0	487.3	490.7	492.4	492.4	495.8	495.8	497.5	497.5
27.5°	477.2	480.5	485.6	489.0	490.7	492.4	494.1	495.8	495.8	495.8
30°	472.0	477.2	482.2	485.6	487.3	489.0	490.7	492.4	494.1	494.1
32.5°	465.3	470.4	475.4	480.5	482.2	484.0	487.3	489.0	489.0	489.0
35°	458.5	463.6	468.6	473.7	475.4	477.2	480.5	482.2	484.0	484.0
37.5°	448.2	453.4	458.5	463.6	465.3	468.6	472.0	473.7	473.7	473.7
40°	433.0	441.4	448.2	453.4	455.0	458.5	460.1	463.6	463.6	463.6
42.5°	419.4	426.2	431.3	438.1	439.8	444.9	448.2	450.0	451.7	451.7
45°	404.2	411.0	416.0	421.1	422.8	426.2	429.6	431.3	433.0	434.7
47.5°	388.8	393.9	399.0	404.2	405.8	409.2	412.6	414.3	416.0	416.0
50°	370.1	375.2	380.4	385.5	387.1	390.5	392.3	393.9	395.6	395.6
52.5°	349.8	354.9	360.0	365.1	366.8	368.4	371.9	373.6	375.2	375.2
55°	329.4	334.5	337.9	343.0	344.7	346.4	348.1	351.5	353.2	351.5
57.5°	305.7	310.7	314.1	319.3	320.9	322.6	324.3	326.0	327.7	327.7
60°	280.2	285.2	290.3	293.8	295.4	297.1	298.9	300.6	302.2	302.2
62.5°	254.7	259.8	263.2	268.3	270.0	270.0	271.6	273.4	275.1	275.1
65°	229.2	234.4	236.0	241.1	241.1	242.8	244.5	246.2	246.2	246.2
67.5°	202.1	207.2	208.9	212.2	212.2	214.0	215.7	217.3	217.3	217.3
70°	176.6	178.3	181.7	183.4	185.1	185.1	186.8	188.5	190.2	188.5
72.5°	149.4	151.1	154.5	156.2	156.2	157.9	157.9	159.6	161.4	161.4
75°	122.3	125.6	127.3	129.1	130.8	130.8	132.4	134.1	134.1	134.1
77.5°	96.8	100.2	101.9	103.6	105.3	105.3	106.9	106.9	108.7	106.9
80°	74.7	76.4	78.1	79.8	81.5	81.5	83.2	84.9	84.9	84.9
82.5°	54.3	56.1	59.4	61.1	61.1	61.1	64.5	64.5	66.2	64.5
85°	37.4	39.1	42.4	44.2	45.8	45.8	45.8	47.5	49.2	47.5
87.5°	23.8	27.2	28.8	30.6	30.6	30.6	32.3	33.9	33.9	33.9
90°	13.6	13.6	15.2	17.0	17.0	18.7	18.7	20.4	20.4	20.4
92.5°	13.6	15.2	15.2	15.2	17.0	17.0	17.0	18.7	18.7	18.7
95°	115.5	83.2	47.5	37.4	32.3	32.3	30.6	32.3	30.6	30.6
97.5°	349.8	378.7	392.3	411.0	421.1	419.4	412.6	419.4	414.3	419.4
100°	497.5	524.7	545.0	550.2	560.3	565.4	584.1	597.7	604.5	612.9
102.5°	618.0	650.3	674.1	687.7	697.8	704.6	726.8	747.1	757.3	764.1
105°	728.4	762.4	791.3	804.9	816.7	823.5	847.3	871.1	886.3	894.8
107.5°	816.7	855.7	886.3	906.7	918.6	930.5	959.3	983.2	1001.8	1010.3
110°	896.6	935.6	967.9	991.6	1005.2	1017.1	1049.4	1076.5	1096.9	1107.1





TEST NUMBER: P395034

CATALOG NUMBER: I3-CL-80L935-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	962.8	1005.2	1037.5	1062.9	1076.5	1093.5	1124.0	1154.6	1175.0	1186.9
115°	1017.1	1061.3	1095.2	1122.4	1137.6	1153.0	1188.6	1219.2	1239.5	1248.0
117.5°	1062.9	1107.1	1142.7	1169.9	1186.9	1203.9	1239.5	1266.7	1288.7	1295.5
120°	1100.3	1144.4	1180.1	1210.7	1227.6	1242.9	1276.9	1305.8	1326.1	1331.2
122.5°	1125.8	1171.6	1208.9	1242.9	1258.2	1273.5	1305.8	1334.6	1353.3	1358.4
125°	1144.4	1192.0	1229.3	1265.0	1280.3	1295.5	1326.1	1355.0	1370.3	1377.1
127.5°	1156.3	1203.9	1244.7	1278.6	1295.5	1309.2	1339.7	1365.2	1380.4	1385.5
130°	1159.8	1208.9	1249.7	1285.4	1300.6	1314.2	1343.1	1368.6	1382.2	1385.5
132.5°	1159.8	1207.3	1249.7	1283.7	1299.0	1312.5	1339.7	1363.5	1377.1	1380.4
135°	1153.0	1198.8	1241.2	1275.2	1290.5	1304.1	1331.2	1351.6	1365.2	1366.9
137.5°	1141.1	1185.2	1226.0	1259.9	1275.2	1288.7	1312.5	1334.6	1346.5	1349.9
140°	1125.8	1166.5	1207.3	1239.5	1254.8	1266.7	1290.5	1309.2	1321.0	1324.4
142.5°	1105.4	1146.2	1183.5	1215.7	1227.6	1241.2	1261.6	1280.3	1290.5	1293.9
145°	1083.3	1122.4	1156.3	1185.2	1198.8	1210.7	1229.3	1246.3	1256.5	1259.9
147.5°	1054.5	1093.5	1125.8	1153.0	1164.8	1176.7	1193.7	1208.9	1219.2	1222.5
150°	1018.8	1054.5	1088.4	1113.9	1125.8	1137.6	1154.6	1168.2	1178.4	1180.1
152.5°	983.2	1017.1	1045.9	1071.4	1083.3	1095.2	1110.5	1124.0	1135.9	1135.9
155°	949.2	978.0	1005.2	1027.3	1037.5	1047.7	1062.9	1074.8	1085.0	1085.0
157.5°	913.5	940.7	962.8	983.2	991.6	1000.1	1013.7	1023.9	1032.3	1030.7
160°	879.6	899.9	920.3	937.3	945.8	952.6	962.8	971.2	979.7	978.0
162.5°	842.2	860.9	877.9	889.8	896.6	901.6	911.8	920.3	925.4	925.4
165°	799.8	816.7	832.0	843.9	850.7	854.1	862.5	867.7	872.8	872.8
167.5°	755.6	769.2	782.7	793.0	799.8	803.1	811.7	815.0	821.8	820.1
170°	711.4	721.6	731.8	740.3	743.7	747.1	753.9	757.3	760.7	760.7
172.5°	675.8	679.2	684.3	691.1	691.1	692.8	696.2	697.8	699.6	699.6
175°	655.4	657.1	657.1	657.1	657.1	657.1	658.8	657.1	658.8	657.1
177.5°	647.0	647.0	645.2	645.2	643.5	645.2	643.5	641.9	641.9	640.2
180°	643.5	643.5	643.5	643.5	643.5	643.5	643.5	643.5	643.5	643.5

(END OF REPORT)