

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: P395052

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

Issue Date: 3/30/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395052  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/30/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: I3-FL-80L935-1D-UNV-STD-W-4  
Description: CORELITE I3, FROSTED TOP COVER  
8000 LUMENS  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6226.7 lumens  
Efficiency: N/A  
Efficacy: 108.9 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

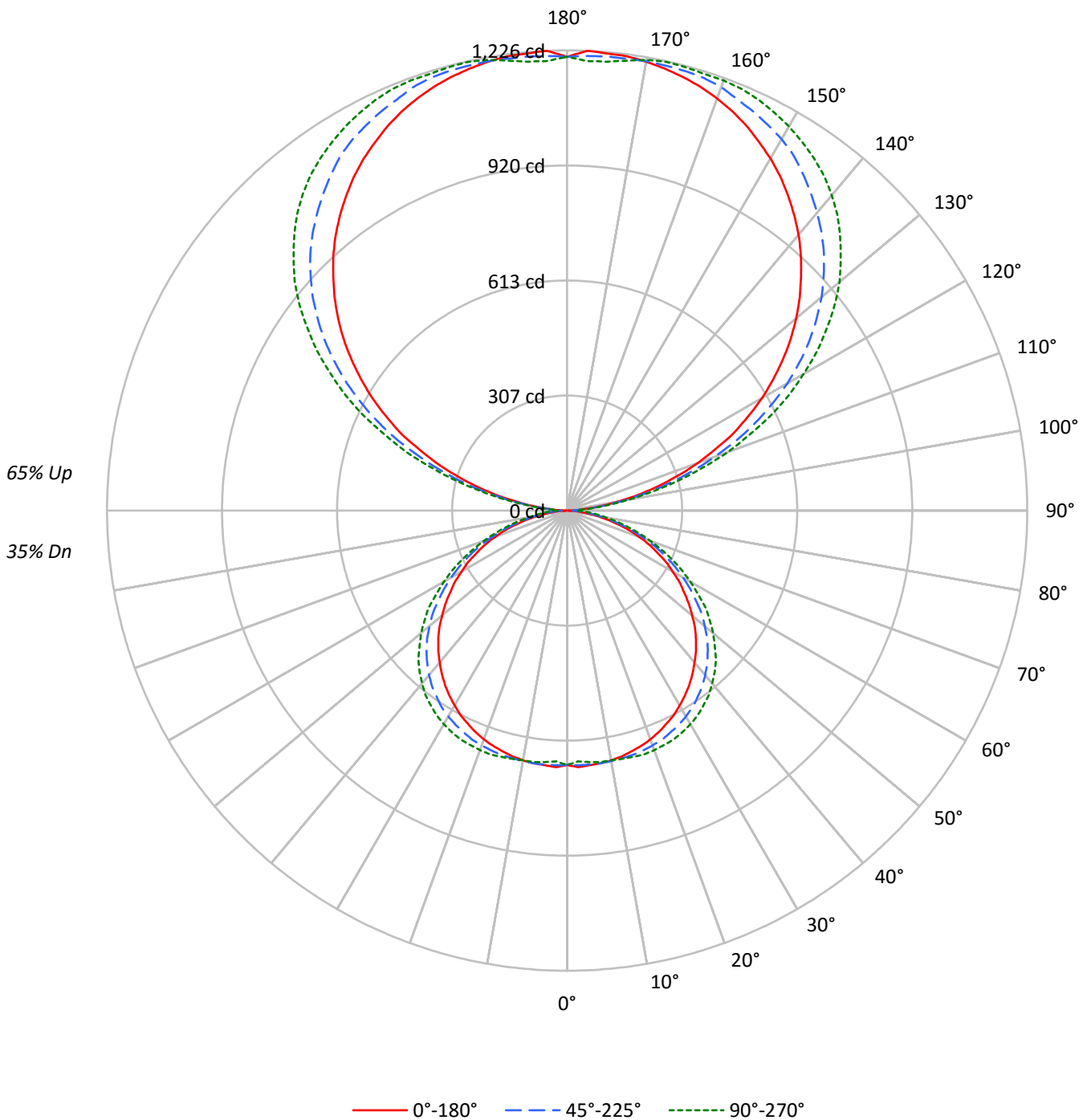
Input Watts (W): 57.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P395052

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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°	3724	3724	3724
5°	3743	3662	3605
10°	3744	3612	3562
15°	3735	3581	3548
20°	3736	3550	3543
25°	3726	3518	3529
30°	3713	3485	3497
35°	3695	3429	3446
40°	3659	3357	3370
45°	3621	3253	3266
50°	3538	3109	3107
55°	3436	2913	2921
60°	3320	2684	2639
65°	3156	2405	2344
70°	2932	2051	1980
75°	2551	1629	1575
80°	1991	1158	1153
85°	1082	662	758



TEST NUMBER: P395052

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

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.6	1.0
10°-20°	190.0	3.1
20°-30°	299.6	4.8
30°-40°	376.6	6.0
40°-50°	404.9	6.5
50°-60°	372.4	6.0
60°-70°	285.3	4.6
70°-80°	162.5	2.6
80°-90°	50.7	0.8
90°-100°	67.8	1.1
100°-110°	295.1	4.7
110°-120°	540.2	8.7
120°-130°	696.4	11.2
130°-140°	741.0	11.9
140°-150°	681.7	10.9
150°-160°	540.1	8.7
160°-170°	342.0	5.5
170°-180°	115.8	1.9
0°-30°	554.2	8.9
0°-40°	930.7	14.9
0°-60°	1708.0	27.4
0°-90°	2206.6	35.4
90°-120°	903.2	14.5
90°-150°	3022.2	48.5
90°-180°	4020.0	64.6
0°-180°	6226.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	678	678	678	678	678	
5°	681	674	679	676	672	65
15°	664	661	674	679	679	188
25°	626	628	652	667	672	289
35°	567	574	606	626	633	355
45°	486	498	530	552	560	374
55°	380	396	419	441	450	341
65°	265	273	290	304	309	263
75°	139	143	153	161	166	147
85°	26	32	42	54	58	32
90°	2	5	15	22	26	4
95°	46	44	49	56	58	57
105°	250	262	282	299	304	266
115°	491	513	554	582	598	481
125°	701	732	788	827	844	626
135°	881	910	968	1009	1029	680
145°	1026	1048	1095	1128	1146	642
155°	1131	1144	1173	1197	1207	521
165°	1195	1195	1212	1221	1222	338
175°	1222	1214	1214	1209	1200	116
180°	1209	1209	1209	1209	1209	



TEST NUMBER: P395052

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

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	677.5	677.5	677.5	677.5	677.5	677.5	677.5	677.5	677.5	677.5	677.5
2.5°	684.3	682.6	680.9	677.5	677.5	675.8	675.8	675.8	675.8	677.5	679.2
5°	680.9	680.9	679.2	675.8	675.8	674.1	674.1	675.8	674.1	675.8	679.2
7.5°	679.2	679.2	677.5	674.1	674.1	674.1	674.1	674.1	674.1	675.8	679.2
10°	675.8	675.8	672.4	670.7	670.7	670.7	670.7	672.4	672.4	674.1	677.5
12.5°	670.7	669.0	667.3	665.6	665.6	665.6	667.3	669.0	669.0	672.4	675.8
15°	663.9	663.9	662.2	660.6	660.6	660.6	662.2	663.9	665.6	669.0	674.1
17.5°	657.1	657.1	655.4	655.4	655.4	655.4	657.1	658.8	662.2	665.6	670.7
20°	648.6	648.6	647.0	647.0	647.0	648.6	648.6	652.0	655.4	660.6	665.6
22.5°	638.4	638.4	638.4	636.7	638.4	640.2	641.9	645.2	648.6	653.8	660.6
25°	626.5	626.5	626.5	626.5	628.3	628.3	631.6	635.1	638.4	645.2	652.0
27.5°	614.7	614.7	614.7	612.9	616.4	618.0	619.7	624.8	628.3	636.7	643.5
30°	599.4	599.4	599.4	601.1	602.8	604.5	607.9	612.9	616.4	624.8	633.4
32.5°	584.1	584.1	584.1	584.1	589.2	590.9	592.6	597.7	604.5	612.9	621.5
35°	567.1	567.1	567.1	568.9	572.2	573.9	577.3	582.4	589.2	597.7	606.1
37.5°	548.5	550.2	550.2	551.8	555.3	558.6	562.1	567.1	573.9	582.4	590.9
40°	528.1	529.8	529.8	531.5	534.9	538.3	541.7	548.5	555.3	563.7	572.2
42.5°	507.7	509.4	509.4	512.8	516.2	519.6	523.0	529.8	536.6	545.0	551.8
45°	485.6	487.3	487.3	490.7	495.8	497.5	502.6	509.4	516.2	523.0	529.8
47.5°	461.8	463.6	463.6	466.9	472.0	475.4	478.8	485.6	490.7	499.2	506.0
50°	434.7	436.4	438.1	441.4	448.2	451.7	455.0	460.1	466.9	472.0	478.8
52.5°	409.2	409.2	411.0	414.3	419.4	422.8	424.5	429.6	438.1	444.9	451.7
55°	380.4	382.0	383.7	387.1	392.3	395.6	397.4	402.4	407.5	412.6	419.4
57.5°	354.9	354.9	356.5	360.0	365.1	366.8	368.4	371.9	378.7	383.7	388.8
60°	324.3	326.0	327.7	331.1	334.5	337.9	337.9	343.0	348.1	353.2	356.5
62.5°	297.1	297.1	298.9	302.2	303.9	307.4	307.4	312.5	315.8	320.9	324.3
65°	264.8	266.6	268.3	270.0	273.4	273.4	275.1	278.4	281.9	285.2	290.3
67.5°	236.0	236.0	237.7	239.4	241.1	241.1	242.8	246.2	249.6	253.0	256.4
70°	203.8	205.4	205.4	205.4	207.2	208.9	210.5	212.2	215.7	217.3	220.8
72.5°	171.5	171.5	173.2	173.2	174.9	176.6	178.3	179.9	181.7	185.1	186.8
75°	139.2	139.2	140.9	140.9	142.7	142.7	142.7	146.0	147.7	151.1	152.8
77.5°	106.9	108.7	108.7	108.7	110.4	112.1	112.1	113.7	117.2	118.8	120.5
80°	78.1	78.1	78.1	78.1	79.8	81.5	83.2	83.2	86.6	90.0	91.7
82.5°	49.2	49.2	51.0	52.6	52.6	54.3	56.1	57.8	61.1	62.9	64.5
85°	25.5	25.5	27.2	28.8	30.6	32.3	32.3	33.9	37.4	40.7	42.4
87.5°	8.5	10.2	10.2	11.9	13.6	15.2	17.0	18.7	22.0	25.5	27.2
90°	1.7	1.7	1.7	3.4	5.1	5.1	6.8	8.5	10.2	11.9	15.2
92.5°	15.2	15.2	13.6	15.2	15.2	15.2	15.2	17.0	18.7	18.7	22.0
95°	45.8	44.2	44.2	44.2	44.2	44.2	44.2	45.8	47.5	47.5	49.2
97.5°	88.3	88.3	86.6	86.6	88.3	88.3	88.3	90.0	93.4	91.7	95.1
100°	137.5	137.5	135.9	137.5	139.2	140.9	144.3	144.3	147.7	147.7	152.8
102.5°	193.6	193.6	191.8	195.3	197.0	200.4	200.4	203.8	208.9	208.9	215.7
105°	249.6	251.3	251.3	254.7	258.1	261.5	261.5	266.6	273.4	273.4	281.9
107.5°	310.7	312.5	312.5	315.8	319.3	322.6	324.3	331.1	337.9	339.6	349.8
110°	370.1	371.9	373.6	376.9	380.4	385.5	388.8	395.6	404.2	407.5	416.0



TEST NUMBER: P395052

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

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	426.2	433.0	434.7	439.8	444.9	450.0	453.4	461.8	472.0	477.2	487.3
115°	490.7	494.1	495.8	500.9	507.7	512.8	516.2	524.7	534.9	541.7	553.5
117.5°	543.4	551.8	553.5	558.6	565.4	570.5	573.9	584.1	596.0	604.5	616.4
120°	599.4	606.1	612.9	616.4	621.5	628.3	631.6	641.9	655.4	663.9	677.5
122.5°	650.3	657.1	663.9	669.0	675.8	679.2	684.3	696.2	709.7	720.0	733.6
125°	701.3	709.7	714.9	720.0	728.4	731.8	736.9	748.8	762.4	774.3	787.9
127.5°	750.5	755.6	764.1	767.5	776.0	779.4	784.5	798.1	811.7	823.5	837.2
130°	796.3	803.1	809.9	811.7	821.8	826.9	832.0	843.9	859.2	871.1	884.7
132.5°	840.5	843.9	852.4	857.5	866.0	871.1	876.2	886.3	901.6	913.5	927.1
135°	881.2	884.7	894.8	899.9	905.0	910.2	916.9	927.1	942.4	954.2	967.9
137.5°	922.0	925.4	935.6	940.7	944.1	949.2	954.2	964.5	979.7	991.6	1003.5
140°	959.3	962.8	969.6	976.4	979.7	983.2	988.3	998.4	1012.0	1023.9	1035.8
142.5°	993.3	996.7	1003.5	1010.3	1015.4	1015.4	1020.5	1029.0	1044.3	1056.2	1066.3
145°	1025.6	1027.3	1034.1	1040.9	1047.7	1047.7	1049.4	1057.8	1071.4	1085.0	1095.2
147.5°	1056.2	1057.8	1062.9	1069.7	1074.8	1076.5	1080.0	1083.3	1096.9	1110.5	1122.4
150°	1083.3	1085.0	1088.4	1095.2	1098.6	1102.0	1105.4	1107.1	1117.3	1129.2	1142.7
152.5°	1107.1	1108.8	1112.2	1117.3	1120.7	1124.0	1127.5	1132.6	1137.6	1149.5	1158.0
155°	1130.8	1132.6	1134.3	1139.4	1142.7	1144.4	1146.2	1153.0	1158.0	1164.8	1173.3
157.5°	1151.2	1151.2	1153.0	1156.3	1159.8	1159.8	1161.4	1168.2	1173.3	1180.1	1185.2
160°	1168.2	1168.2	1169.9	1173.3	1173.3	1175.0	1176.7	1181.8	1185.2	1193.7	1200.5
162.5°	1183.5	1181.8	1183.5	1185.2	1185.2	1185.2	1186.9	1190.3	1195.4	1202.2	1208.9
165°	1195.4	1195.4	1195.4	1197.0	1197.0	1195.4	1195.4	1198.8	1202.2	1207.3	1212.4
167.5°	1205.6	1205.6	1203.9	1205.6	1203.9	1203.9	1202.2	1203.9	1205.6	1210.7	1214.1
170°	1214.1	1212.4	1212.4	1212.4	1210.7	1208.9	1208.9	1208.9	1208.9	1212.4	1215.7
172.5°	1220.9	1219.2	1217.5	1217.5	1214.1	1212.4	1212.4	1210.7	1210.7	1212.4	1214.1
175°	1222.5	1220.9	1219.2	1219.2	1215.7	1214.1	1212.4	1212.4	1210.7	1212.4	1214.1
177.5°	1226.0	1224.3	1220.9	1220.9	1217.5	1214.1	1214.1	1212.4	1210.7	1212.4	1212.4
180°	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9



TEST NUMBER: P395052

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

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	677.5	677.5	677.5	677.5	677.5	677.5	677.5	677.5	677.5	677.5
2.5°	680.9	680.9	679.2	677.5	677.5	675.8	674.1	672.4	670.7	669.0
5°	680.9	679.2	677.5	677.5	675.8	675.8	675.8	674.1	672.4	672.4
7.5°	680.9	680.9	679.2	677.5	677.5	677.5	677.5	677.5	675.8	675.8
10°	680.9	679.2	679.2	679.2	677.5	679.2	679.2	677.5	677.5	675.8
12.5°	679.2	679.2	679.2	679.2	679.2	679.2	679.2	679.2	679.2	677.5
15°	675.8	677.5	677.5	679.2	679.2	679.2	680.9	680.9	679.2	679.2
17.5°	674.1	675.8	677.5	679.2	679.2	679.2	680.9	680.9	680.9	680.9
20°	670.7	672.4	674.1	675.8	675.8	677.5	677.5	679.2	679.2	679.2
22.5°	663.9	665.6	669.0	670.7	672.4	674.1	675.8	675.8	675.8	675.8
25°	657.1	660.6	662.2	665.6	667.3	669.0	670.7	670.7	670.7	672.4
27.5°	648.6	652.0	657.1	658.8	660.6	662.2	663.9	665.6	665.6	665.6
30°	638.4	643.5	647.0	650.3	652.0	653.8	655.4	655.4	657.1	657.1
32.5°	626.5	631.6	635.1	638.4	640.2	641.9	645.2	645.2	647.0	647.0
35°	611.3	616.4	621.5	624.8	626.5	628.3	631.6	633.4	633.4	633.4
37.5°	596.0	601.1	606.1	611.3	612.9	614.7	618.0	618.0	619.7	619.7
40°	577.3	582.4	587.5	592.6	592.6	596.0	597.7	599.4	601.1	601.1
42.5°	558.6	563.7	567.1	572.2	573.9	575.6	577.3	580.7	580.7	582.4
45°	536.6	541.7	545.0	550.2	551.8	553.5	557.0	558.6	560.3	560.3
47.5°	512.8	516.2	519.6	524.7	528.1	529.8	531.5	533.1	534.9	533.1
50°	485.6	489.0	494.1	499.2	500.9	502.6	506.0	506.0	507.7	507.7
52.5°	456.8	461.8	465.3	470.4	472.0	473.7	477.2	477.2	478.8	478.8
55°	424.5	427.9	431.3	439.8	441.4	443.2	446.6	446.6	448.2	450.0
57.5°	393.9	395.6	400.7	404.2	407.5	407.5	409.2	411.0	412.6	412.6
60°	361.7	363.3	366.8	371.9	371.9	373.6	376.9	376.9	378.7	378.7
62.5°	327.7	331.1	334.5	339.6	337.9	339.6	343.0	343.0	344.7	344.7
65°	293.8	295.4	298.9	302.2	303.9	303.9	305.7	307.4	309.0	309.0
67.5°	258.1	261.5	263.2	268.3	266.6	268.3	270.0	270.0	271.6	271.6
70°	224.1	225.8	229.2	230.9	230.9	232.6	234.4	234.4	234.4	236.0
72.5°	190.2	191.8	193.6	195.3	195.3	197.0	198.6	198.6	200.4	200.4
75°	154.5	157.9	159.6	163.0	161.4	163.0	166.4	166.4	166.4	166.4
77.5°	124.0	125.6	129.1	130.8	130.8	130.8	134.1	132.4	134.1	134.1
80°	93.4	95.1	98.5	100.2	100.2	101.9	103.6	103.6	103.6	105.3
82.5°	66.2	69.7	73.0	74.7	74.7	76.4	78.1	78.1	79.8	79.8
85°	45.8	49.2	52.6	52.6	54.3	56.1	57.8	57.8	57.8	57.8
87.5°	30.6	32.3	33.9	35.6	37.4	37.4	39.1	39.1	40.7	40.7
90°	17.0	18.7	20.4	22.0	22.0	23.8	23.8	25.5	25.5	25.5
92.5°	23.8	23.8	25.5	27.2	27.2	27.2	27.2	28.8	28.8	28.8
95°	51.0	52.6	52.6	56.1	56.1	56.1	57.8	57.8	57.8	57.8
97.5°	98.5	98.5	98.5	101.9	101.9	101.9	103.6	103.6	103.6	105.3
100°	154.5	156.2	156.2	161.4	159.6	163.0	163.0	163.0	163.0	164.7
102.5°	217.3	220.8	222.4	227.6	227.6	227.6	230.9	229.2	230.9	230.9
105°	285.2	288.7	290.3	295.4	298.9	298.9	302.2	300.6	302.2	303.9
107.5°	353.2	358.3	361.7	366.8	370.1	371.9	371.9	373.6	375.2	376.9
110°	422.8	427.9	436.4	441.4	443.2	446.6	448.2	450.0	451.7	455.0





TEST NUMBER: P395052

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

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	495.8	500.9	507.7	514.5	512.8	517.9	521.2	523.0	524.7	523.0
115°	562.1	568.9	575.6	582.4	582.4	585.8	592.6	594.3	594.3	597.7
117.5°	624.8	633.4	640.2	647.0	648.6	652.0	657.1	662.2	662.2	665.6
120°	686.0	696.2	703.0	709.7	713.2	714.9	720.0	726.8	726.8	726.8
122.5°	743.7	752.2	760.7	767.5	770.9	774.3	777.7	786.2	786.2	789.5
125°	798.1	808.2	816.7	823.5	826.9	830.3	837.2	842.2	843.9	843.9
127.5°	849.0	859.2	867.7	876.2	877.9	881.2	888.0	894.8	896.6	898.2
130°	896.6	906.7	915.2	923.7	927.1	928.8	937.3	942.4	945.8	947.4
132.5°	939.0	949.2	957.7	966.1	969.6	972.9	978.0	986.5	988.3	988.3
135°	978.0	988.3	996.7	1006.9	1008.6	1012.0	1018.8	1023.9	1027.3	1029.0
137.5°	1013.7	1023.9	1034.1	1042.6	1045.9	1047.7	1054.5	1061.3	1064.6	1066.3
140°	1045.9	1056.2	1066.3	1073.2	1074.8	1080.0	1085.0	1091.8	1095.2	1096.9
142.5°	1076.5	1085.0	1093.5	1102.0	1103.7	1107.1	1112.2	1119.0	1122.4	1124.0
145°	1103.7	1112.2	1119.0	1125.8	1127.5	1130.8	1135.9	1141.1	1144.4	1146.2
147.5°	1129.2	1135.9	1142.7	1147.8	1149.5	1153.0	1156.3	1159.8	1163.1	1164.8
150°	1151.2	1154.6	1161.4	1164.8	1166.5	1169.9	1173.3	1176.7	1180.1	1181.8
152.5°	1168.2	1173.3	1176.7	1181.8	1183.5	1185.2	1188.6	1192.0	1195.4	1195.4
155°	1181.8	1186.9	1190.3	1195.4	1197.0	1198.8	1202.2	1203.9	1207.3	1207.3
157.5°	1192.0	1197.0	1200.5	1203.9	1205.6	1207.3	1208.9	1212.4	1215.7	1215.7
160°	1203.9	1205.6	1207.3	1210.7	1210.7	1212.4	1214.1	1215.7	1219.2	1219.2
162.5°	1214.1	1215.7	1212.4	1214.1	1212.4	1214.1	1215.7	1217.5	1219.2	1219.2
165°	1217.5	1220.9	1219.2	1220.9	1220.9	1220.9	1220.9	1222.5	1222.5	1222.5
167.5°	1217.5	1220.9	1219.2	1219.2	1220.9	1220.9	1222.5	1224.3	1224.3	1224.3
170°	1217.5	1219.2	1217.5	1215.7	1217.5	1217.5	1217.5	1219.2	1219.2	1219.2
172.5°	1215.7	1217.5	1214.1	1212.4	1212.4	1212.4	1210.7	1210.7	1208.9	1208.9
175°	1214.1	1214.1	1210.7	1208.9	1208.9	1208.9	1205.6	1203.9	1202.2	1200.5
177.5°	1212.4	1212.4	1207.3	1205.6	1205.6	1203.9	1203.9	1200.5	1200.5	1198.8
180°	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9

(END OF REPORT)