

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: P393815

Luminaire Tested: **I3-FL-60L835-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P393815  
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-60L835-1D-UNV-STD-W-4  
Description: CORELITE I3, FROSTED TOP COVER  
6000 LUMENS  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

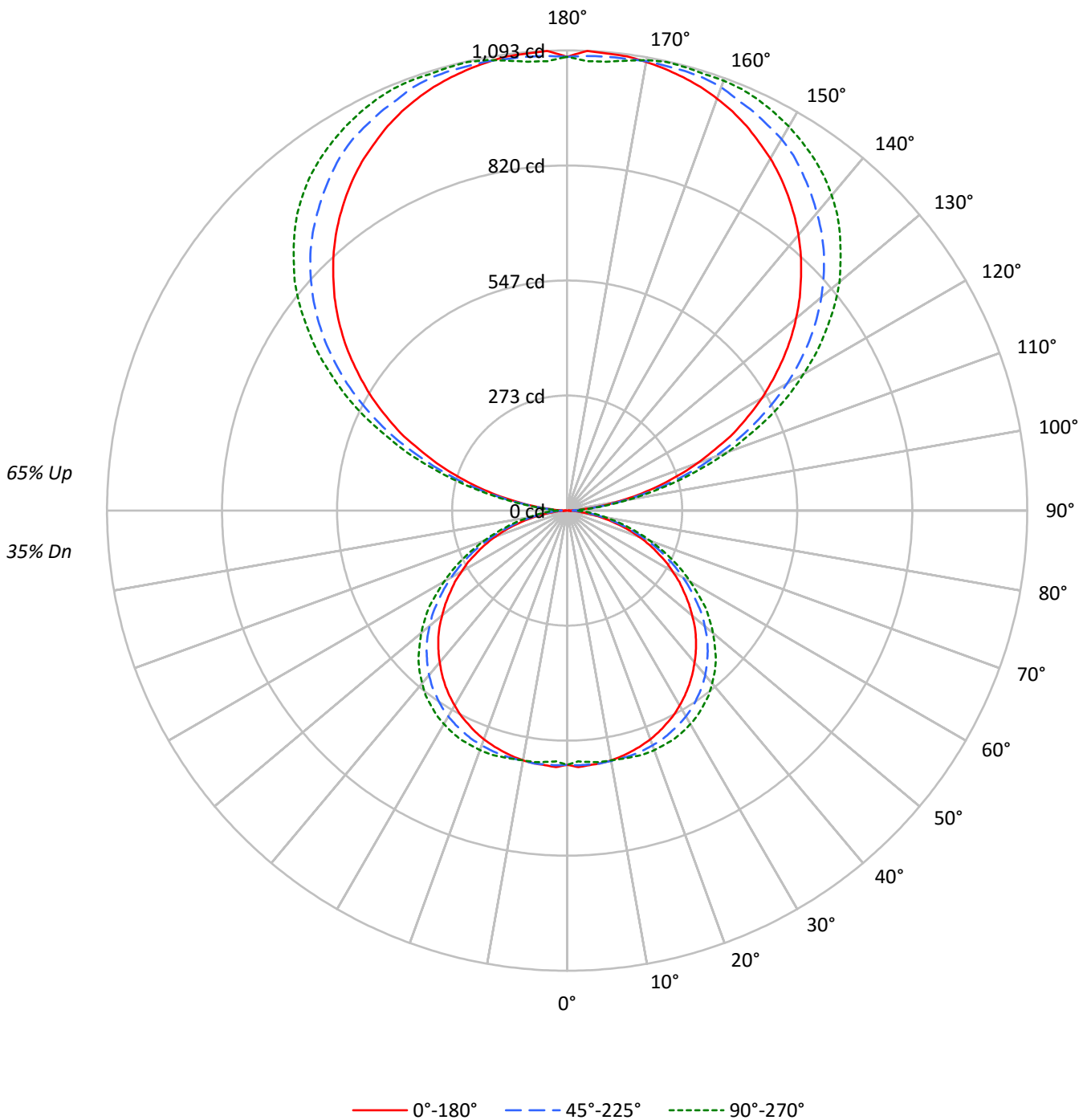
Lumens per Lamp: N/A  
Luminaire Lumens: 5550.2 lumens  
Efficiency: N/A  
Efficacy: 134.4 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.43 / 1.49  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')  
CIE Type: Semi-Indirect

Input Watts (W): 41.3  
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



TEST NUMBER: P393815  
CATALOG NUMBER: I3-FL-60L835-1D-UNV-STD-W-4

### Luminous Intensity Polar Plot





TEST NUMBER: P393815

CATALOG NUMBER: I3-FL-60L835-1D-UNV-STD-W-4

**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°	3319	3319	3319
5°	3336	3264	3213
10°	3337	3220	3176
15°	3330	3192	3162
20°	3330	3164	3158
25°	3321	3136	3146
30°	3310	3106	3117
35°	3294	3057	3071
40°	3261	2993	3004
45°	3228	2900	2912
50°	3154	2772	2769
55°	3062	2596	2604
60°	2960	2392	2352
65°	2814	2144	2089
70°	2613	1828	1765
75°	2274	1452	1403
80°	1775	1031	1027
85°	963	590	675



TEST NUMBER: P393815

CATALOG NUMBER: I3-FL-60L835-1D-UNV-STD-W-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.6	1.0
10°-20°	169.3	3.1
20°-30°	267.1	4.8
30°-40°	335.6	6.0
40°-50°	360.9	6.5
50°-60°	332.0	6.0
60°-70°	254.3	4.6
70°-80°	144.8	2.6
80°-90°	45.2	0.8
90°-100°	60.5	1.1
100°-110°	263.0	4.7
110°-120°	481.5	8.7
120°-130°	620.7	11.2
130°-140°	660.5	11.9
140°-150°	607.7	10.9
150°-160°	481.4	8.7
160°-170°	304.8	5.5
170°-180°	103.2	1.9
0°-30°	494.0	8.9
0°-40°	829.6	14.9
0°-60°	1522.5	27.4
0°-90°	1966.9	35.4
90°-120°	805.1	14.5
90°-150°	2693.9	48.5
90°-180°	3583.0	64.6
0°-180°	5550.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	604	604	604	604	604	
5°	607	601	605	602	599	58
15°	592	589	601	605	605	167
25°	558	560	581	595	599	258
35°	506	512	540	558	564	316
45°	433	444	472	492	500	333
55°	339	353	374	394	401	304
65°	236	244	259	271	276	234
75°	124	127	136	144	148	131
85°	23	29	38	48	52	29
90°	2	4	14	20	23	3
95°	41	39	44	50	52	51
105°	222	233	251	266	271	237
115°	437	457	493	519	533	429
125°	625	652	702	737	752	558
135°	786	811	863	899	917	606
145°	914	934	976	1005	1022	572
155°	1008	1020	1046	1067	1076	465
165°	1066	1066	1081	1088	1090	301
175°	1090	1082	1082	1078	1070	104
180°	1078	1078	1078	1078	1078	



TEST NUMBER: P393815

CATALOG NUMBER: I3-FL-60L835-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	603.9	603.9	603.9	603.9	603.9	603.9	603.9	603.9	603.9	603.9	603.9
2.5°	609.9	608.4	606.9	603.9	603.9	602.4	602.4	602.4	602.4	603.9	605.4
5°	606.9	606.9	605.4	602.4	602.4	600.9	600.9	602.4	600.9	602.4	605.4
7.5°	605.4	605.4	603.9	600.9	600.9	600.9	600.9	600.9	600.9	602.4	605.4
10°	602.4	602.4	599.4	597.8	597.8	597.8	597.8	599.4	599.4	600.9	603.9
12.5°	597.8	596.3	594.8	593.3	593.3	593.3	594.8	596.3	596.3	599.4	602.4
15°	591.8	591.8	590.3	588.8	588.8	588.8	590.3	591.8	593.3	596.3	600.9
17.5°	585.7	585.7	584.2	584.2	584.2	584.2	585.7	587.2	590.3	593.3	597.8
20°	578.2	578.2	576.7	576.7	576.7	578.2	578.2	581.2	584.2	588.8	593.3
22.5°	569.1	569.1	569.1	567.6	569.1	570.6	572.1	575.1	578.2	582.7	588.8
25°	558.5	558.5	558.5	558.5	560.0	560.0	563.0	566.1	569.1	575.1	581.2
27.5°	547.9	547.9	547.9	546.4	549.4	550.9	552.4	557.0	560.0	567.6	573.6
30°	534.3	534.3	534.3	535.8	537.3	538.8	541.8	546.4	549.4	557.0	564.5
32.5°	520.7	520.7	520.7	520.7	525.2	526.7	528.2	532.8	538.8	546.4	553.9
35°	505.5	505.5	505.5	507.0	510.1	511.6	514.6	519.1	525.2	532.8	540.3
37.5°	488.9	490.4	490.4	491.9	494.9	497.9	501.0	505.5	511.6	519.1	526.7
40°	470.7	472.2	472.2	473.7	476.8	479.8	482.8	488.9	494.9	502.5	510.1
42.5°	452.5	454.1	454.1	457.1	460.1	463.1	466.2	472.2	478.3	485.8	491.9
45°	432.9	434.4	434.4	437.4	441.9	443.5	448.0	454.1	460.1	466.2	472.2
47.5°	411.7	413.2	413.2	416.2	420.8	423.8	426.8	432.9	437.4	445.0	451.0
50°	387.5	389.0	390.5	393.5	399.6	402.6	405.6	410.2	416.2	420.8	426.8
52.5°	364.8	364.8	366.3	369.3	373.8	376.9	378.4	382.9	390.5	396.5	402.6
55°	339.0	340.5	342.1	345.1	349.6	352.7	354.2	358.7	363.2	367.8	373.8
57.5°	316.3	316.3	317.8	320.9	325.4	326.9	328.4	331.5	337.5	342.1	346.6
60°	289.1	290.6	292.1	295.1	298.2	301.2	301.2	305.7	310.3	314.8	317.8
62.5°	264.9	264.9	266.4	269.4	270.9	273.9	273.9	278.5	281.5	286.1	289.1
65°	236.1	237.6	239.1	240.7	243.7	243.7	245.2	248.2	251.2	254.3	258.8
67.5°	210.4	210.4	211.9	213.4	214.9	214.9	216.4	219.5	222.5	225.5	228.5
70°	181.6	183.1	183.1	183.1	184.6	186.2	187.7	189.2	192.2	193.7	196.8
72.5°	152.9	152.9	154.4	154.4	155.9	157.4	158.9	160.4	161.9	165.0	166.5
75°	124.1	124.1	125.6	125.6	127.1	127.1	127.1	130.2	131.7	134.7	136.2
77.5°	95.4	96.9	96.9	96.9	98.4	99.9	99.9	101.4	104.4	105.9	107.5
80°	69.6	69.6	69.6	69.6	71.1	72.6	74.2	74.2	77.2	80.2	81.7
82.5°	43.9	43.9	45.4	46.9	46.9	48.4	49.9	51.5	54.5	56.0	57.5
85°	22.7	22.7	24.2	25.7	27.2	28.8	28.8	30.3	33.3	36.3	37.8
87.5°	7.6	9.1	9.1	10.6	12.1	13.6	15.1	16.6	19.7	22.7	24.2
90°	1.5	1.5	1.5	3.0	4.5	4.5	6.1	7.6	9.1	10.6	13.6
92.5°	13.6	13.6	12.1	13.6	13.6	13.6	13.6	15.1	16.6	16.6	19.7
95°	40.9	39.4	39.4	39.4	39.4	39.4	39.4	40.9	42.4	42.4	43.9
97.5°	78.7	78.7	77.2	77.2	78.7	78.7	78.7	80.2	83.2	81.7	84.8
100°	122.6	122.6	121.1	122.6	124.1	125.6	128.6	128.6	131.7	131.7	136.2
102.5°	172.5	172.5	171.0	174.1	175.6	178.6	178.6	181.6	186.2	186.2	192.2
105°	222.5	224.0	224.0	227.0	230.1	233.1	233.1	237.6	243.7	243.7	251.2
107.5°	277.0	278.5	278.5	281.5	284.5	287.6	289.1	295.1	301.2	302.7	311.8
110°	329.9	331.5	333.0	336.0	339.0	343.6	346.6	352.7	360.2	363.2	370.8



TEST NUMBER: P393815

CATALOG NUMBER: I3-FL-60L835-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	379.9	385.9	387.5	392.0	396.5	401.1	404.1	411.7	420.8	425.3	434.4
115°	437.4	440.4	441.9	446.5	452.5	457.1	460.1	467.7	476.8	482.8	493.4
117.5°	484.3	491.9	493.4	497.9	504.0	508.5	511.6	520.7	531.2	538.8	549.4
120°	534.3	540.3	546.4	549.4	553.9	560.0	563.0	572.1	584.2	591.8	603.9
122.5°	579.7	585.7	591.8	596.3	602.4	605.4	609.9	620.5	632.7	641.7	653.8
125°	625.1	632.7	637.2	641.7	649.3	652.3	656.9	667.5	679.6	690.2	702.3
127.5°	669.0	673.5	681.1	684.1	691.7	694.7	699.2	711.4	723.5	734.1	746.2
130°	709.8	715.9	722.0	723.5	732.5	737.1	741.6	752.2	765.8	776.4	788.5
132.5°	749.2	752.2	759.8	764.3	771.9	776.4	781.0	790.1	803.7	814.3	826.4
135°	785.5	788.5	797.6	802.2	806.7	811.2	817.3	826.4	840.0	850.6	862.7
137.5°	821.8	824.9	834.0	838.5	841.5	846.1	850.6	859.7	873.3	883.9	894.5
140°	855.1	858.2	864.2	870.3	873.3	876.3	880.9	890.0	902.1	912.7	923.2
142.5°	885.4	888.4	894.5	900.5	905.1	905.1	909.6	917.2	930.8	941.4	950.5
145°	914.2	915.7	921.7	927.8	933.8	933.8	935.4	942.9	955.0	967.1	976.2
147.5°	941.4	942.9	947.5	953.5	958.1	959.6	962.6	965.6	977.7	989.8	1000.4
150°	965.6	967.1	970.2	976.2	979.2	982.3	985.3	986.8	995.9	1006.5	1018.6
152.5°	986.8	988.3	991.4	995.9	998.9	1002.0	1005.0	1009.5	1014.1	1024.7	1032.2
155°	1008.0	1009.5	1011.0	1015.6	1018.6	1020.1	1021.6	1027.7	1032.2	1038.3	1045.8
157.5°	1026.2	1026.2	1027.7	1030.7	1033.7	1033.7	1035.2	1041.3	1045.8	1051.9	1056.4
160°	1041.3	1041.3	1042.8	1045.8	1045.8	1047.4	1048.9	1053.4	1056.4	1064.0	1070.1
162.5°	1054.9	1053.4	1054.9	1056.4	1056.4	1056.4	1058.0	1061.0	1065.5	1071.6	1077.6
165°	1065.5	1065.5	1065.5	1067.0	1067.0	1065.5	1065.5	1068.5	1071.6	1076.1	1080.7
167.5°	1074.6	1074.6	1073.1	1074.6	1073.1	1073.1	1071.6	1073.1	1074.6	1079.1	1082.2
170°	1082.2	1080.7	1080.7	1080.7	1079.1	1077.6	1077.6	1077.6	1077.6	1080.7	1083.7
172.5°	1088.2	1086.7	1085.2	1085.2	1082.2	1080.7	1080.7	1079.1	1079.1	1080.7	1082.2
175°	1089.7	1088.2	1086.7	1086.7	1083.7	1082.2	1080.7	1080.7	1079.1	1080.7	1082.2
177.5°	1092.8	1091.2	1088.2	1088.2	1085.2	1082.2	1082.2	1080.7	1079.1	1080.7	1080.7
180°	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6



TEST NUMBER: P393815

CATALOG NUMBER: I3-FL-60L835-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	603.9	603.9	603.9	603.9	603.9	603.9	603.9	603.9	603.9	603.9
2.5°	606.9	606.9	605.4	603.9	603.9	602.4	600.9	599.4	597.8	596.3
5°	606.9	605.4	603.9	603.9	602.4	602.4	602.4	600.9	599.4	599.4
7.5°	606.9	606.9	605.4	603.9	603.9	603.9	603.9	603.9	602.4	602.4
10°	606.9	605.4	605.4	605.4	603.9	605.4	605.4	603.9	603.9	602.4
12.5°	605.4	605.4	605.4	605.4	605.4	605.4	605.4	605.4	605.4	603.9
15°	602.4	603.9	603.9	605.4	605.4	605.4	606.9	606.9	605.4	605.4
17.5°	600.9	602.4	603.9	605.4	605.4	605.4	606.9	606.9	606.9	606.9
20°	597.8	599.4	600.9	602.4	602.4	603.9	603.9	605.4	605.4	605.4
22.5°	591.8	593.3	596.3	597.8	599.4	600.9	602.4	602.4	602.4	602.4
25°	585.7	588.8	590.3	593.3	594.8	596.3	597.8	597.8	597.8	599.4
27.5°	578.2	581.2	585.7	587.2	588.8	590.3	591.8	593.3	593.3	593.3
30°	569.1	573.6	576.7	579.7	581.2	582.7	584.2	584.2	585.7	585.7
32.5°	558.5	563.0	566.1	569.1	570.6	572.1	575.1	575.1	576.7	576.7
35°	544.9	549.4	553.9	557.0	558.5	560.0	563.0	564.5	564.5	564.5
37.5°	531.2	535.8	540.3	544.9	546.4	547.9	550.9	550.9	552.4	552.4
40°	514.6	519.1	523.7	528.2	528.2	531.2	532.8	534.3	535.8	535.8
42.5°	497.9	502.5	505.5	510.1	511.6	513.1	514.6	517.6	517.6	519.1
45°	478.3	482.8	485.8	490.4	491.9	493.4	496.4	497.9	499.5	499.5
47.5°	457.1	460.1	463.1	467.7	470.7	472.2	473.7	475.2	476.8	475.2
50°	432.9	435.9	440.4	445.0	446.5	448.0	451.0	451.0	452.5	452.5
52.5°	407.1	411.7	414.7	419.2	420.8	422.3	425.3	425.3	426.8	426.8
55°	378.4	381.4	384.4	392.0	393.5	395.0	398.1	398.1	399.6	401.1
57.5°	351.1	352.7	357.2	360.2	363.2	363.2	364.8	366.3	367.8	367.8
60°	322.4	323.9	326.9	331.5	331.5	333.0	336.0	336.0	337.5	337.5
62.5°	292.1	295.1	298.2	302.7	301.2	302.7	305.7	305.7	307.2	307.2
65°	261.8	263.4	266.4	269.4	270.9	270.9	272.4	273.9	275.5	275.5
67.5°	230.1	233.1	234.6	239.1	237.6	239.1	240.7	240.7	242.2	242.2
70°	199.8	201.3	204.3	205.8	205.8	207.4	208.9	208.9	208.9	210.4
72.5°	169.5	171.0	172.5	174.1	174.1	175.6	177.1	177.1	178.6	178.6
75°	137.7	140.8	142.3	145.3	143.8	145.3	148.3	148.3	148.3	148.3
77.5°	110.5	112.0	115.0	116.5	116.5	116.5	119.6	118.1	119.6	119.6
80°	83.2	84.8	87.8	89.3	89.3	90.8	92.3	92.3	92.3	93.8
82.5°	59.0	62.1	65.1	66.6	66.6	68.1	69.6	69.6	71.1	71.1
85°	40.9	43.9	46.9	46.9	48.4	49.9	51.5	51.5	51.5	51.5
87.5°	27.2	28.8	30.3	31.8	33.3	33.3	34.8	34.8	36.3	36.3
90°	15.1	16.6	18.2	19.7	19.7	21.2	21.2	22.7	22.7	22.7
92.5°	21.2	21.2	22.7	24.2	24.2	24.2	24.2	25.7	25.7	25.7
95°	45.4	46.9	46.9	49.9	49.9	49.9	51.5	51.5	51.5	51.5
97.5°	87.8	87.8	87.8	90.8	90.8	90.8	92.3	92.3	92.3	93.8
100°	137.7	139.2	139.2	143.8	142.3	145.3	145.3	145.3	145.3	146.8
102.5°	193.7	196.8	198.3	202.8	202.8	202.8	205.8	204.3	205.8	205.8
105°	254.3	257.3	258.8	263.4	266.4	266.4	269.4	267.9	269.4	270.9
107.5°	314.8	319.4	322.4	326.9	329.9	331.5	331.5	333.0	334.5	336.0
110°	376.9	381.4	389.0	393.5	395.0	398.1	399.6	401.1	402.6	405.6





TEST NUMBER: P393815

CATALOG NUMBER: I3-FL-60L835-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	441.9	446.5	452.5	458.6	457.1	461.6	464.7	466.2	467.7	466.2
115°	501.0	507.0	513.1	519.1	519.1	522.2	528.2	529.7	529.7	532.8
117.5°	557.0	564.5	570.6	576.7	578.2	581.2	585.7	590.3	590.3	593.3
120°	611.5	620.5	626.6	632.7	635.7	637.2	641.7	647.8	647.8	647.8
122.5°	662.9	670.5	678.1	684.1	687.1	690.2	693.2	700.8	700.8	703.8
125°	711.4	720.4	728.0	734.1	737.1	740.1	746.2	750.7	752.2	752.2
127.5°	756.8	765.8	773.4	781.0	782.5	785.5	791.6	797.6	799.1	800.7
130°	799.1	808.2	815.8	823.4	826.4	827.9	835.5	840.0	843.0	844.5
132.5°	837.0	846.1	853.6	861.2	864.2	867.2	871.8	879.4	880.9	880.9
135°	871.8	880.9	888.4	897.5	899.0	902.1	908.1	912.7	915.7	917.2
137.5°	903.6	912.7	921.7	929.3	932.3	933.8	939.9	946.0	949.0	950.5
140°	932.3	941.4	950.5	956.5	958.1	962.6	967.1	973.2	976.2	977.7
142.5°	959.6	967.1	974.7	982.3	983.8	986.8	991.4	997.4	1000.4	1002.0
145°	983.8	991.4	997.4	1003.5	1005.0	1008.0	1012.5	1017.1	1020.1	1021.6
147.5°	1006.5	1012.5	1018.6	1023.1	1024.7	1027.7	1030.7	1033.7	1036.8	1038.3
150°	1026.2	1029.2	1035.2	1038.3	1039.8	1042.8	1045.8	1048.9	1051.9	1053.4
152.5°	1041.3	1045.8	1048.9	1053.4	1054.9	1056.4	1059.5	1062.5	1065.5	1065.5
155°	1053.4	1058.0	1061.0	1065.5	1067.0	1068.5	1071.6	1073.1	1076.1	1076.1
157.5°	1062.5	1067.0	1070.1	1073.1	1074.6	1076.1	1077.6	1080.7	1083.7	1083.7
160°	1073.1	1074.6	1076.1	1079.1	1079.1	1080.7	1082.2	1083.7	1086.7	1086.7
162.5°	1082.2	1083.7	1080.7	1082.2	1080.7	1082.2	1083.7	1085.2	1086.7	1086.7
165°	1085.2	1088.2	1086.7	1088.2	1088.2	1088.2	1088.2	1089.7	1089.7	1089.7
167.5°	1085.2	1088.2	1086.7	1086.7	1088.2	1088.2	1089.7	1091.2	1091.2	1091.2
170°	1085.2	1086.7	1085.2	1083.7	1085.2	1085.2	1085.2	1086.7	1086.7	1086.7
172.5°	1083.7	1085.2	1082.2	1080.7	1080.7	1080.7	1079.1	1079.1	1077.6	1077.6
175°	1082.2	1082.2	1079.1	1077.6	1077.6	1077.6	1074.6	1073.1	1071.6	1070.1
177.5°	1080.7	1080.7	1076.1	1074.6	1074.6	1073.1	1073.1	1070.1	1070.1	1068.5
180°	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6	1077.6

(END OF REPORT)