

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: P393814

Luminaire Tested: **I3-FL-60L830-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P393814
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-60L830-1D-UNV-STD-W-4
Description: CORELITE I3, FROSTED TOP COVER
6000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5333.7 lumens
Efficiency: N/A
Efficacy: 129.1 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

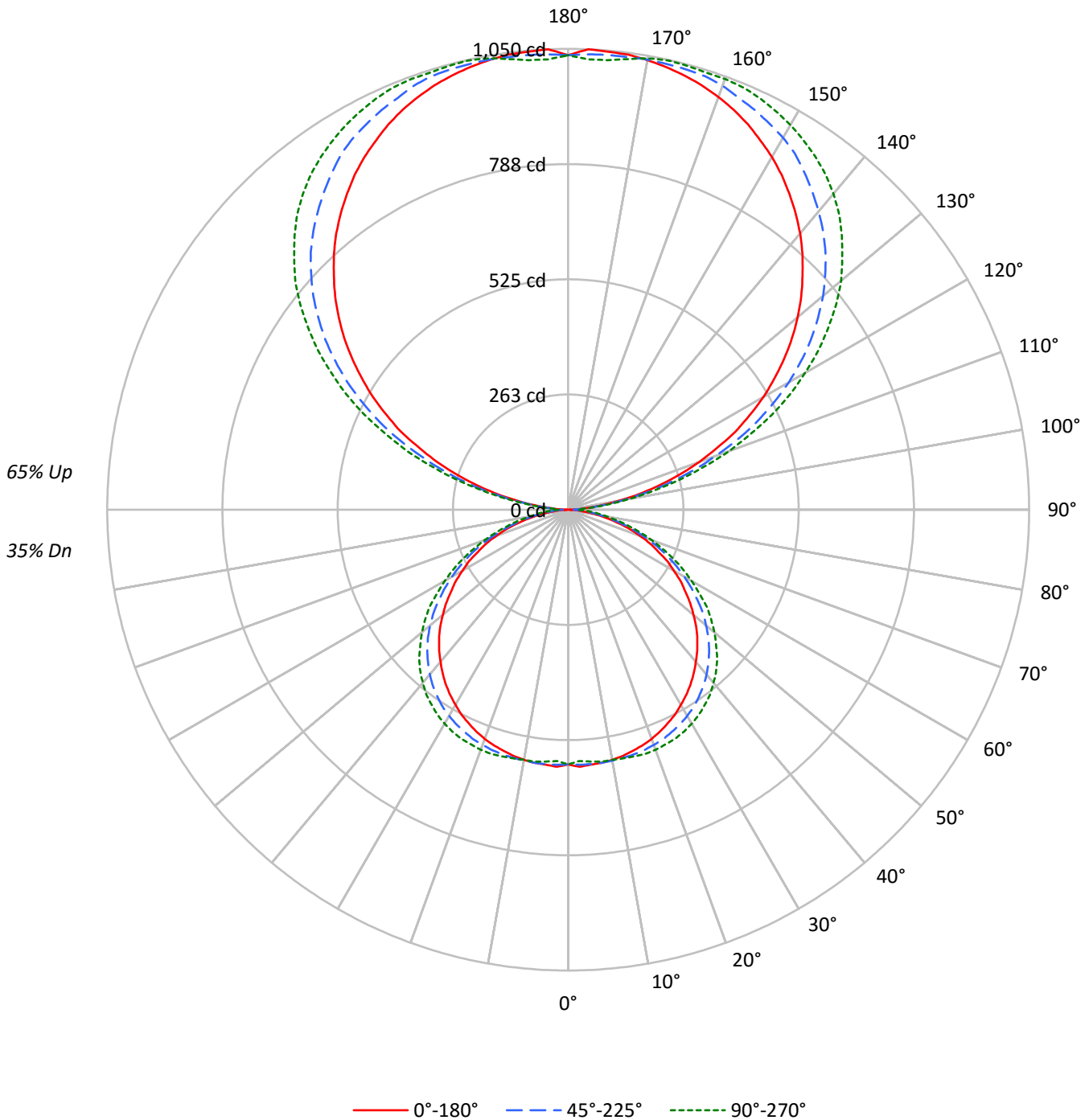
Input Watts (W): 41.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3190	3190	3190
5°	3206	3137	3088
10°	3207	3094	3052
15°	3200	3067	3039
20°	3200	3041	3035
25°	3192	3014	3023
30°	3180	2985	2996
35°	3165	2938	2951
40°	3133	2876	2887
45°	3102	2787	2798
50°	3031	2664	2662
55°	2943	2496	2502
60°	2844	2299	2261
65°	2704	2060	2008
70°	2511	1756	1696
75°	2186	1396	1349
80°	1706	991	988
85°	925	568	649



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.3	1.0
10°-20°	162.7	3.1
20°-30°	256.6	4.8
30°-40°	322.6	6.0
40°-50°	346.8	6.5
50°-60°	319.0	6.0
60°-70°	244.4	4.6
70°-80°	139.2	2.6
80°-90°	43.5	0.8
90°-100°	58.1	1.1
100°-110°	252.8	4.7
110°-120°	462.8	8.7
120°-130°	596.5	11.2
130°-140°	634.7	11.9
140°-150°	584.0	10.9
150°-160°	462.6	8.7
160°-170°	292.9	5.5
170°-180°	99.2	1.9
0°-30°	474.7	8.9
0°-40°	797.3	14.9
0°-60°	1463.1	27.4
0°-90°	1890.2	35.4
90°-120°	773.7	14.5
90°-150°	2588.8	48.5
90°-180°	3444.0	64.6
0°-180°	5333.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	580	580	580	580	580	
5°	583	577	582	579	576	56
15°	569	566	577	582	582	161
25°	537	538	558	572	576	248
35°	486	492	519	537	542	304
45°	416	426	454	473	480	320
55°	326	339	359	378	385	292
65°	227	234	249	260	265	225
75°	119	122	131	138	142	126
85°	22	28	36	46	50	27
90°	2	4	13	19	22	3
95°	39	38	42	48	50	49
105°	214	224	241	256	260	228
115°	420	439	474	499	512	412
125°	601	627	675	708	723	537
135°	755	780	829	864	881	583
145°	878	897	938	966	982	550
155°	969	980	1005	1025	1034	447
165°	1024	1024	1038	1046	1047	289
175°	1047	1040	1040	1036	1028	100
180°	1036	1036	1036	1036	1036	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	580.3	580.3	580.3	580.3	580.3	580.3	580.3	580.3	580.3	580.3	580.3
2.5°	586.2	584.7	583.3	580.3	580.3	578.9	578.9	578.9	578.9	580.3	581.8
5°	583.3	583.3	581.8	578.9	578.9	577.4	577.4	578.9	577.4	578.9	581.8
7.5°	581.8	581.8	580.3	577.4	577.4	577.4	577.4	577.4	577.4	578.9	581.8
10°	578.9	578.9	576.0	574.5	574.5	574.5	574.5	576.0	576.0	577.4	580.3
12.5°	574.5	573.1	571.6	570.2	570.2	570.2	571.6	573.1	573.1	576.0	578.9
15°	568.7	568.7	567.3	565.8	565.8	565.8	567.3	568.7	570.2	573.1	577.4
17.5°	562.9	562.9	561.4	561.4	561.4	561.4	562.9	564.3	567.3	570.2	574.5
20°	555.6	555.6	554.2	554.2	554.2	555.6	555.6	558.5	561.4	565.8	570.2
22.5°	546.9	546.9	546.9	545.4	546.9	548.3	549.8	552.7	555.6	560.0	565.8
25°	536.7	536.7	536.7	536.7	538.2	538.2	541.1	544.0	546.9	552.7	558.5
27.5°	526.5	526.5	526.5	525.1	528.0	529.4	530.9	535.3	538.2	545.4	551.3
30°	513.4	513.4	513.4	514.9	516.3	517.8	520.7	525.1	528.0	535.3	542.5
32.5°	500.3	500.3	500.3	500.3	504.7	506.2	507.6	512.0	517.8	525.1	532.3
35°	485.8	485.8	485.8	487.3	490.2	491.6	494.5	498.9	504.7	512.0	519.3
37.5°	469.8	471.3	471.3	472.7	475.6	478.5	481.4	485.8	491.6	498.9	506.2
40°	452.3	453.8	453.8	455.3	458.2	461.1	464.0	469.8	475.6	482.9	490.2
42.5°	434.9	436.3	436.3	439.3	442.2	445.1	448.0	453.8	459.6	466.9	472.7
45°	416.0	417.4	417.4	420.3	424.7	426.2	430.5	436.3	442.2	448.0	453.8
47.5°	395.6	397.1	397.1	400.0	404.3	407.3	410.2	416.0	420.3	427.6	433.4
50°	372.4	373.8	375.3	378.2	384.0	386.9	389.8	394.2	400.0	404.3	410.2
52.5°	350.5	350.5	352.0	354.9	359.3	362.2	363.6	368.0	375.3	381.1	386.9
55°	325.8	327.3	328.7	331.6	336.0	338.9	340.4	344.7	349.1	353.4	359.3
57.5°	304.0	304.0	305.4	308.4	312.7	314.2	315.6	318.5	324.4	328.7	333.1
60°	277.8	279.3	280.7	283.6	286.5	289.4	289.4	293.8	298.2	302.5	305.4
62.5°	254.5	254.5	256.0	258.9	260.4	263.3	263.3	267.6	270.5	274.9	277.8
65°	226.9	228.4	229.8	231.3	234.2	234.2	235.6	238.5	241.4	244.4	248.7
67.5°	202.2	202.2	203.6	205.1	206.5	206.5	208.0	210.9	213.8	216.7	219.6
70°	174.5	176.0	176.0	176.0	177.4	178.9	180.4	181.8	184.7	186.2	189.1
72.5°	146.9	146.9	148.4	148.4	149.8	151.3	152.7	154.2	155.6	158.5	160.0
75°	119.3	119.3	120.7	120.7	122.2	122.2	122.2	125.1	126.5	129.5	130.9
77.5°	91.6	93.1	93.1	93.1	94.5	96.0	96.0	97.5	100.4	101.8	103.3
80°	66.9	66.9	66.9	66.9	68.4	69.8	71.3	71.3	74.2	77.1	78.5
82.5°	42.2	42.2	43.6	45.1	45.1	46.5	48.0	49.5	52.4	53.8	55.3
85°	21.8	21.8	23.3	24.7	26.2	27.6	27.6	29.1	32.0	34.9	36.4
87.5°	7.3	8.7	8.7	10.2	11.6	13.1	14.5	16.0	18.9	21.8	23.3
90°	1.5	1.5	1.5	2.9	4.4	4.4	5.8	7.3	8.7	10.2	13.1
92.5°	13.1	13.1	11.6	13.1	13.1	13.1	13.1	14.5	16.0	16.0	18.9
95°	39.3	37.8	37.8	37.8	37.8	37.8	37.8	39.3	40.7	40.7	42.2
97.5°	75.6	75.6	74.2	74.2	75.6	75.6	75.6	77.1	80.0	78.5	81.5
100°	117.8	117.8	116.4	117.8	119.3	120.7	123.6	123.6	126.5	126.5	130.9
102.5°	165.8	165.8	164.4	167.3	168.7	171.6	171.6	174.5	178.9	178.9	184.7
105°	213.8	215.3	215.3	218.2	221.1	224.0	224.0	228.4	234.2	234.2	241.4
107.5°	266.2	267.6	267.6	270.5	273.4	276.4	277.8	283.6	289.4	290.9	299.6
110°	317.1	318.5	320.0	322.9	325.8	330.2	333.1	338.9	346.2	349.1	356.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	365.1	370.9	372.4	376.7	381.1	385.4	388.4	395.6	404.3	408.7	417.4
115°	420.3	423.3	424.7	429.1	434.9	439.3	442.2	449.4	458.2	464.0	474.2
117.5°	465.4	472.7	474.2	478.5	484.3	488.7	491.6	500.3	510.5	517.8	528.0
120°	513.4	519.3	525.1	528.0	532.3	538.2	541.1	549.8	561.4	568.7	580.3
122.5°	557.1	562.9	568.7	573.1	578.9	581.8	586.2	596.3	608.0	616.7	628.3
125°	600.7	608.0	612.3	616.7	624.0	626.9	631.3	641.4	653.1	663.2	674.9
127.5°	642.9	647.3	654.5	657.4	664.7	667.6	672.0	683.6	695.2	705.4	717.1
130°	682.2	688.0	693.8	695.2	704.0	708.3	712.7	722.9	736.0	746.2	757.8
132.5°	720.0	722.9	730.2	734.5	741.8	746.2	750.5	759.2	772.3	782.5	794.2
135°	754.9	757.8	766.5	770.9	775.2	779.6	785.4	794.2	807.2	817.4	829.1
137.5°	789.8	792.7	801.4	805.8	808.7	813.1	817.4	826.2	839.2	849.4	859.6
140°	821.8	824.7	830.5	836.3	839.2	842.2	846.5	855.2	866.9	877.1	887.2
142.5°	850.9	853.8	859.6	865.4	869.8	869.8	874.2	881.4	894.5	904.7	913.4
145°	878.5	880.0	885.8	891.6	897.4	897.4	898.9	906.2	917.8	929.4	938.1
147.5°	904.7	906.2	910.5	916.3	920.7	922.2	925.1	928.0	939.6	951.2	961.4
150°	928.0	929.4	932.3	938.1	941.1	944.0	946.9	948.3	957.1	967.2	978.9
152.5°	948.3	949.8	952.7	957.1	960.0	962.9	965.8	970.1	974.5	984.7	992.0
155°	968.7	970.1	971.6	976.0	978.9	980.3	981.8	987.6	992.0	997.8	1005.1
157.5°	986.1	986.1	987.6	990.5	993.4	993.4	994.9	1000.7	1005.1	1010.9	1015.2
160°	1000.7	1000.7	1002.1	1005.1	1005.1	1006.5	1008.0	1012.3	1015.2	1022.5	1028.3
162.5°	1013.8	1012.3	1013.8	1015.2	1015.2	1015.2	1016.7	1019.6	1024.0	1029.8	1035.6
165°	1024.0	1024.0	1024.0	1025.4	1025.4	1024.0	1024.0	1026.9	1029.8	1034.1	1038.5
167.5°	1032.7	1032.7	1031.2	1032.7	1031.2	1031.2	1029.8	1031.2	1032.7	1037.1	1040.0
170°	1040.0	1038.5	1038.5	1038.5	1037.1	1035.6	1035.6	1035.6	1035.6	1038.5	1041.4
172.5°	1045.8	1044.3	1042.9	1042.9	1040.0	1038.5	1038.5	1037.1	1037.1	1038.5	1040.0
175°	1047.2	1045.8	1044.3	1044.3	1041.4	1040.0	1038.5	1038.5	1037.1	1038.5	1040.0
177.5°	1050.1	1048.7	1045.8	1045.8	1042.9	1040.0	1040.0	1038.5	1037.1	1038.5	1038.5
180°	1035.6	1035.6	1035.6	1035.6	1035.6	1035.6	1035.6	1035.6	1035.6	1035.6	1035.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	580.3	580.3	580.3	580.3	580.3	580.3	580.3	580.3	580.3	580.3
2.5°	583.3	583.3	581.8	580.3	580.3	578.9	577.4	576.0	574.5	573.1
5°	583.3	581.8	580.3	580.3	578.9	578.9	578.9	577.4	576.0	576.0
7.5°	583.3	583.3	581.8	580.3	580.3	580.3	580.3	580.3	578.9	578.9
10°	583.3	581.8	581.8	581.8	580.3	581.8	581.8	580.3	580.3	578.9
12.5°	581.8	581.8	581.8	581.8	581.8	581.8	581.8	581.8	581.8	580.3
15°	578.9	580.3	580.3	581.8	581.8	581.8	583.3	583.3	581.8	581.8
17.5°	577.4	578.9	580.3	581.8	581.8	581.8	583.3	583.3	583.3	583.3
20°	574.5	576.0	577.4	578.9	578.9	580.3	580.3	581.8	581.8	581.8
22.5°	568.7	570.2	573.1	574.5	576.0	577.4	578.9	578.9	578.9	578.9
25°	562.9	565.8	567.3	570.2	571.6	573.1	574.5	574.5	574.5	576.0
27.5°	555.6	558.5	562.9	564.3	565.8	567.3	568.7	570.2	570.2	570.2
30°	546.9	551.3	554.2	557.1	558.5	560.0	561.4	561.4	562.9	562.9
32.5°	536.7	541.1	544.0	546.9	548.3	549.8	552.7	552.7	554.2	554.2
35°	523.6	528.0	532.3	535.3	536.7	538.2	541.1	542.5	542.5	542.5
37.5°	510.5	514.9	519.3	523.6	525.1	526.5	529.4	529.4	530.9	530.9
40°	494.5	498.9	503.3	507.6	507.6	510.5	512.0	513.4	514.9	514.9
42.5°	478.5	482.9	485.8	490.2	491.6	493.1	494.5	497.4	497.4	498.9
45°	459.6	464.0	466.9	471.3	472.7	474.2	477.1	478.5	480.0	480.0
47.5°	439.3	442.2	445.1	449.4	452.3	453.8	455.3	456.7	458.2	456.7
50°	416.0	418.9	423.3	427.6	429.1	430.5	433.4	433.4	434.9	434.9
52.5°	391.3	395.6	398.5	402.9	404.3	405.8	408.7	408.7	410.2	410.2
55°	363.6	366.5	369.4	376.7	378.2	379.6	382.5	382.5	384.0	385.4
57.5°	337.4	338.9	343.3	346.2	349.1	349.1	350.5	352.0	353.4	353.4
60°	309.8	311.3	314.2	318.5	318.5	320.0	322.9	322.9	324.4	324.4
62.5°	280.7	283.6	286.5	290.9	289.4	290.9	293.8	293.8	295.3	295.3
65°	251.6	253.1	256.0	258.9	260.4	260.4	261.8	263.3	264.7	264.7
67.5°	221.1	224.0	225.4	229.8	228.4	229.8	231.3	231.3	232.7	232.7
70°	192.0	193.4	196.4	197.8	197.8	199.3	200.7	200.7	200.7	202.2
72.5°	162.9	164.4	165.8	167.3	167.3	168.7	170.2	170.2	171.6	171.6
75°	132.4	135.3	136.7	139.6	138.2	139.6	142.5	142.5	142.5	142.5
77.5°	106.2	107.6	110.5	112.0	112.0	112.0	114.9	113.5	114.9	114.9
80°	80.0	81.5	84.4	85.8	85.8	87.3	88.7	88.7	88.7	90.2
82.5°	56.7	59.6	62.5	64.0	64.0	65.5	66.9	66.9	68.4	68.4
85°	39.3	42.2	45.1	45.1	46.5	48.0	49.5	49.5	49.5	49.5
87.5°	26.2	27.6	29.1	30.5	32.0	32.0	33.5	33.5	34.9	34.9
90°	14.5	16.0	17.5	18.9	18.9	20.4	20.4	21.8	21.8	21.8
92.5°	20.4	20.4	21.8	23.3	23.3	23.3	23.3	24.7	24.7	24.7
95°	43.6	45.1	45.1	48.0	48.0	48.0	49.5	49.5	49.5	49.5
97.5°	84.4	84.4	84.4	87.3	87.3	87.3	88.7	88.7	88.7	90.2
100°	132.4	133.8	133.8	138.2	136.7	139.6	139.6	139.6	139.6	141.1
102.5°	186.2	189.1	190.5	194.9	194.9	194.9	197.8	196.4	197.8	197.8
105°	244.4	247.3	248.7	253.1	256.0	256.0	258.9	257.4	258.9	260.4
107.5°	302.5	306.9	309.8	314.2	317.1	318.5	318.5	320.0	321.4	322.9
110°	362.2	366.5	373.8	378.2	379.6	382.5	384.0	385.4	386.9	389.8



TEST NUMBER: P393814

CATALOG NUMBER: I3-FL-60L830-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	424.7	429.1	434.9	440.7	439.3	443.6	446.5	448.0	449.4	448.0
115°	481.4	487.3	493.1	498.9	498.9	501.8	507.6	509.1	509.1	512.0
117.5°	535.3	542.5	548.3	554.2	555.6	558.5	562.9	567.3	567.3	570.2
120°	587.6	596.3	602.2	608.0	610.9	612.3	616.7	622.5	622.5	622.5
122.5°	637.1	644.3	651.6	657.4	660.3	663.2	666.2	673.4	673.4	676.3
125°	683.6	692.3	699.6	705.4	708.3	711.2	717.1	721.4	722.9	722.9
127.5°	727.2	736.0	743.2	750.5	752.0	754.9	760.7	766.5	768.0	769.4
130°	768.0	776.7	784.0	791.2	794.2	795.6	802.9	807.2	810.2	811.6
132.5°	804.3	813.1	820.3	827.6	830.5	833.4	837.8	845.1	846.5	846.5
135°	837.8	846.5	853.8	862.5	864.0	866.9	872.7	877.1	880.0	881.4
137.5°	868.3	877.1	885.8	893.1	896.0	897.4	903.2	909.1	912.0	913.4
140°	896.0	904.7	913.4	919.2	920.7	925.1	929.4	935.2	938.1	939.6
142.5°	922.2	929.4	936.7	944.0	945.4	948.3	952.7	958.5	961.4	962.9
145°	945.4	952.7	958.5	964.3	965.8	968.7	973.1	977.4	980.3	981.8
147.5°	967.2	973.1	978.9	983.2	984.7	987.6	990.5	993.4	996.3	997.8
150°	986.1	989.1	994.9	997.8	999.2	1002.1	1005.1	1008.0	1010.9	1012.3
152.5°	1000.7	1005.1	1008.0	1012.3	1013.8	1015.2	1018.1	1021.1	1024.0	1024.0
155°	1012.3	1016.7	1019.6	1024.0	1025.4	1026.9	1029.8	1031.2	1034.1	1034.1
157.5°	1021.1	1025.4	1028.3	1031.2	1032.7	1034.1	1035.6	1038.5	1041.4	1041.4
160°	1031.2	1032.7	1034.1	1037.1	1037.1	1038.5	1040.0	1041.4	1044.3	1044.3
162.5°	1040.0	1041.4	1038.5	1040.0	1038.5	1040.0	1041.4	1042.9	1044.3	1044.3
165°	1042.9	1045.8	1044.3	1045.8	1045.8	1045.8	1045.8	1047.2	1047.2	1047.2
167.5°	1042.9	1045.8	1044.3	1044.3	1045.8	1045.8	1047.2	1048.7	1048.7	1048.7
170°	1042.9	1044.3	1042.9	1041.4	1042.9	1042.9	1042.9	1044.3	1044.3	1044.3
172.5°	1041.4	1042.9	1040.0	1038.5	1038.5	1038.5	1037.1	1037.1	1035.6	1035.6
175°	1040.0	1040.0	1037.1	1035.6	1035.6	1035.6	1032.7	1031.2	1029.8	1028.3
177.5°	1038.5	1038.5	1034.1	1032.7	1032.7	1031.2	1031.2	1028.3	1028.3	1026.9
180°	1035.6	1035.6	1035.6	1035.6	1035.6	1035.6	1035.6	1035.6	1035.6	1035.6

(END OF REPORT)