

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: P393806

Luminaire Tested: **I3-FL-30L835-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P393806
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-30L835-1D-UNV-STD-W-4
Description: CORELITE I3, FROSTED TOP COVER
3000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2811.2 lumens
Efficiency: N/A
Efficacy: 142.7 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

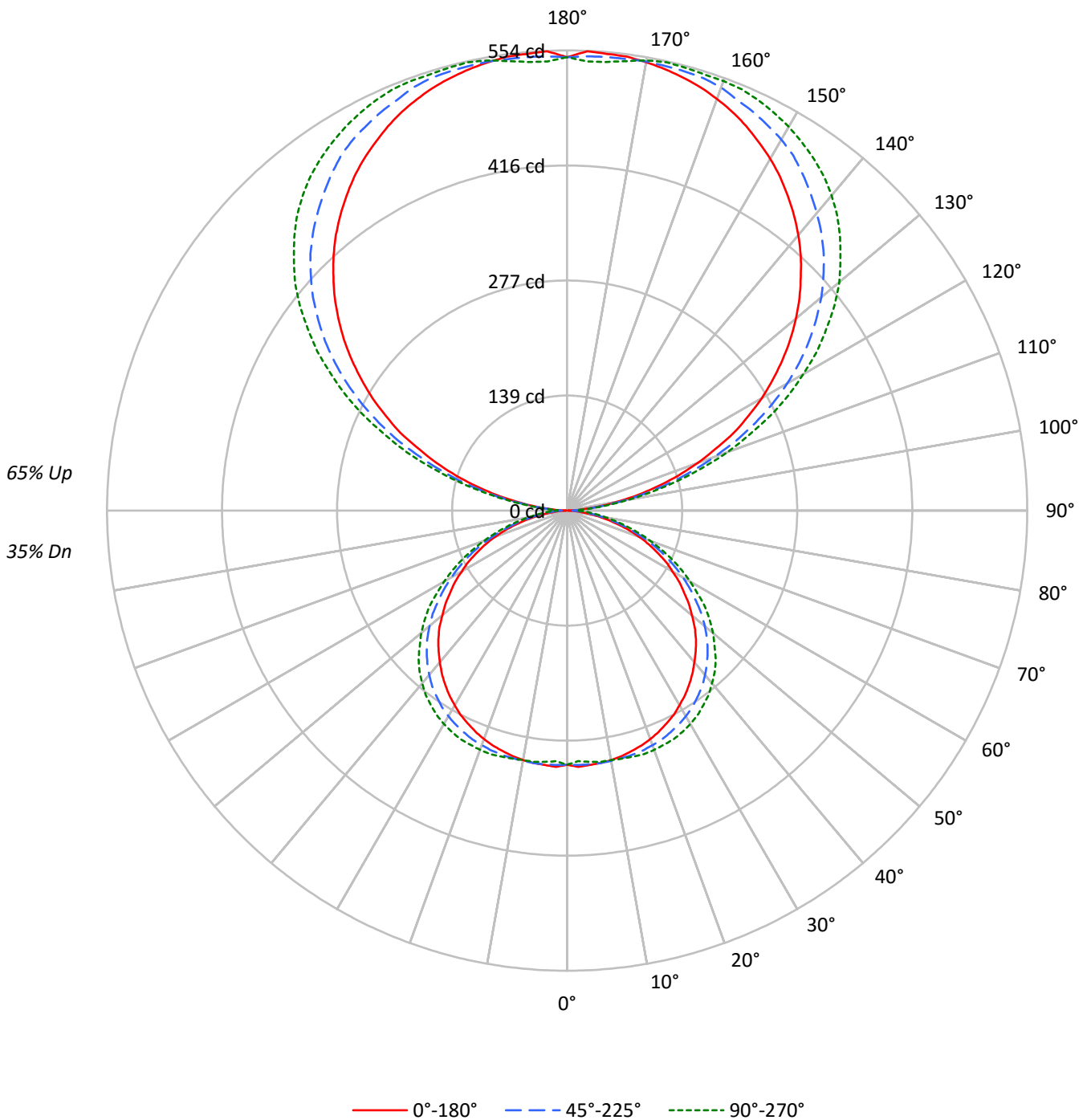
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1681	1681	1681
5°	1690	1653	1628
10°	1690	1631	1608
15°	1686	1616	1602
20°	1687	1603	1599
25°	1682	1589	1594
30°	1676	1573	1579
35°	1668	1548	1555
40°	1652	1515	1522
45°	1634	1469	1475
50°	1597	1404	1403
55°	1551	1315	1319
60°	1499	1212	1191
65°	1425	1086	1058
70°	1324	926	894
75°	1153	736	711
80°	900	523	520
85°	488	300	342



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.2	1.0
10°-20°	85.8	3.1
20°-30°	135.3	4.8
30°-40°	170.0	6.0
40°-50°	182.8	6.5
50°-60°	168.1	6.0
60°-70°	128.8	4.6
70°-80°	73.4	2.6
80°-90°	22.9	0.8
90°-100°	30.6	1.1
100°-110°	133.2	4.7
110°-120°	243.9	8.7
120°-130°	314.4	11.2
130°-140°	334.5	11.9
140°-150°	307.8	10.9
150°-160°	243.8	8.7
160°-170°	154.4	5.5
170°-180°	52.3	1.9
0°-30°	250.2	8.9
0°-40°	420.2	14.9
0°-60°	771.1	27.4
0°-90°	996.2	35.4
90°-120°	407.8	14.5
90°-150°	1364.5	48.5
90°-180°	1815.0	64.6
0°-180°	2811.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	306	306	306	306	306	
5°	307	304	307	305	304	29
15°	300	298	304	307	307	85
25°	283	284	294	301	304	130
35°	256	259	274	283	286	160
45°	219	225	239	249	253	169
55°	172	179	189	199	203	154
65°	120	123	131	137	140	119
75°	63	64	69	73	75	66
85°	12	15	19	24	26	14
90°	1	2	7	10	12	2
95°	21	20	22	25	26	26
105°	113	118	127	135	137	120
115°	222	232	250	263	270	217
125°	317	330	356	373	381	283
135°	398	411	437	455	465	307
145°	463	473	494	509	517	290
155°	510	517	530	540	545	235
165°	540	540	547	551	552	152
175°	552	548	548	546	542	53
180°	546	546	546	546	546	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	305.9	305.9	305.9	305.9	305.9	305.9	305.9	305.9	305.9	305.9	305.9
2.5°	308.9	308.2	307.4	305.9	305.9	305.1	305.1	305.1	305.1	305.9	306.6
5°	307.4	307.4	306.6	305.1	305.1	304.3	304.3	305.1	304.3	305.1	306.6
7.5°	306.6	306.6	305.9	304.3	304.3	304.3	304.3	304.3	304.3	305.1	306.6
10°	305.1	305.1	303.6	302.8	302.8	302.8	302.8	303.6	303.6	304.3	305.9
12.5°	302.8	302.0	301.3	300.5	300.5	300.5	301.3	302.0	302.0	303.6	305.1
15°	299.7	299.7	299.0	298.2	298.2	298.2	299.0	299.7	300.5	302.0	304.3
17.5°	296.7	296.7	295.9	295.9	295.9	295.9	296.7	297.4	299.0	300.5	302.8
20°	292.8	292.8	292.1	292.1	292.1	292.8	292.8	294.4	295.9	298.2	300.5
22.5°	288.2	288.2	288.2	287.5	288.2	289.0	289.8	291.3	292.8	295.1	298.2
25°	282.9	282.9	282.9	282.9	283.6	283.6	285.2	286.7	288.2	291.3	294.4
27.5°	277.5	277.5	277.5	276.7	278.3	279.0	279.8	282.1	283.6	287.5	290.5
30°	270.6	270.6	270.6	271.4	272.1	272.9	274.4	276.7	278.3	282.1	285.9
32.5°	263.7	263.7	263.7	263.7	266.0	266.8	267.5	269.8	272.9	276.7	280.6
35°	256.0	256.0	256.0	256.8	258.3	259.1	260.6	262.9	266.0	269.8	273.7
37.5°	247.6	248.4	248.4	249.1	250.7	252.2	253.7	256.0	259.1	262.9	266.8
40°	238.4	239.2	239.2	239.9	241.5	243.0	244.5	247.6	250.7	254.5	258.3
42.5°	229.2	230.0	230.0	231.5	233.0	234.6	236.1	239.2	242.2	246.1	249.1
45°	219.2	220.0	220.0	221.5	223.8	224.6	226.9	230.0	233.0	236.1	239.2
47.5°	208.5	209.3	209.3	210.8	213.1	214.6	216.2	219.2	221.5	225.4	228.4
50°	196.2	197.0	197.8	199.3	202.4	203.9	205.4	207.7	210.8	213.1	216.2
52.5°	184.7	184.7	185.5	187.0	189.3	190.9	191.6	193.9	197.8	200.8	203.9
55°	171.7	172.5	173.2	174.8	177.1	178.6	179.4	181.7	184.0	186.3	189.3
57.5°	160.2	160.2	161.0	162.5	164.8	165.6	166.3	167.9	170.9	173.2	175.5
60°	146.4	147.2	148.0	149.5	151.0	152.6	152.6	154.9	157.2	159.5	161.0
62.5°	134.2	134.2	134.9	136.5	137.2	138.8	138.8	141.1	142.6	144.9	146.4
65°	119.6	120.4	121.1	121.9	123.4	123.4	124.2	125.7	127.3	128.8	131.1
67.5°	106.6	106.6	107.3	108.1	108.9	108.9	109.6	111.2	112.7	114.2	115.8
70°	92.0	92.8	92.8	92.8	93.5	94.3	95.1	95.8	97.4	98.1	99.7
72.5°	77.4	77.4	78.2	78.2	79.0	79.7	80.5	81.3	82.0	83.6	84.3
75°	62.9	62.9	63.6	63.6	64.4	64.4	64.4	65.9	66.7	68.2	69.0
77.5°	48.3	49.1	49.1	49.1	49.8	50.6	50.6	51.4	52.9	53.7	54.4
80°	35.3	35.3	35.3	35.3	36.0	36.8	37.6	37.6	39.1	40.6	41.4
82.5°	22.2	22.2	23.0	23.8	23.8	24.5	25.3	26.1	27.6	28.4	29.1
85°	11.5	11.5	12.3	13.0	13.8	14.6	14.6	15.3	16.9	18.4	19.2
87.5°	3.8	4.6	4.6	5.4	6.1	6.9	7.7	8.4	10.0	11.5	12.3
90°	0.8	0.8	0.8	1.5	2.3	2.3	3.1	3.8	4.6	5.4	6.9
92.5°	6.9	6.9	6.1	6.9	6.9	6.9	6.9	7.7	8.4	8.4	10.0
95°	20.7	19.9	19.9	19.9	19.9	19.9	19.9	20.7	21.5	21.5	22.2
97.5°	39.9	39.9	39.1	39.1	39.9	39.9	39.9	40.6	42.2	41.4	42.9
100°	62.1	62.1	61.3	62.1	62.9	63.6	65.2	65.2	66.7	66.7	69.0
102.5°	87.4	87.4	86.6	88.2	88.9	90.5	90.5	92.0	94.3	94.3	97.4
105°	112.7	113.5	113.5	115.0	116.5	118.1	118.1	120.4	123.4	123.4	127.3
107.5°	140.3	141.1	141.1	142.6	144.1	145.7	146.4	149.5	152.6	153.3	157.9
110°	167.1	167.9	168.6	170.2	171.7	174.0	175.5	178.6	182.4	184.0	187.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	192.4	195.5	196.2	198.5	200.8	203.1	204.7	208.5	213.1	215.4	220.0
115°	221.5	223.1	223.8	226.1	229.2	231.5	233.0	236.9	241.5	244.5	249.9
117.5°	245.3	249.1	249.9	252.2	255.3	257.6	259.1	263.7	269.1	272.9	278.3
120°	270.6	273.7	276.7	278.3	280.6	283.6	285.2	289.8	295.9	299.7	305.9
122.5°	293.6	296.7	299.7	302.0	305.1	306.6	308.9	314.3	320.4	325.0	331.2
125°	316.6	320.4	322.7	325.0	328.9	330.4	332.7	338.1	344.2	349.6	355.7
127.5°	338.8	341.1	345.0	346.5	350.3	351.9	354.2	360.3	366.4	371.8	377.9
130°	359.5	362.6	365.7	366.4	371.0	373.3	375.6	381.0	387.9	393.3	399.4
132.5°	379.5	381.0	384.8	387.1	391.0	393.3	395.6	400.2	407.1	412.4	418.6
135°	397.9	399.4	404.0	406.3	408.6	410.9	414.0	418.6	425.5	430.8	437.0
137.5°	416.3	417.8	422.4	424.7	426.2	428.5	430.8	435.4	442.3	447.7	453.1
140°	433.1	434.7	437.7	440.8	442.3	443.9	446.2	450.8	456.9	462.3	467.6
142.5°	448.5	450.0	453.1	456.1	458.4	458.4	460.7	464.6	471.5	476.8	481.4
145°	463.0	463.8	466.9	469.9	473.0	473.0	473.8	477.6	483.7	489.9	494.5
147.5°	476.8	477.6	479.9	483.0	485.3	486.0	487.6	489.1	495.2	501.3	506.7
150°	489.1	489.9	491.4	494.5	496.0	497.5	499.0	499.8	504.4	509.8	515.9
152.5°	499.8	500.6	502.1	504.4	505.9	507.5	509.0	511.3	513.6	519.0	522.8
155°	510.5	511.3	512.1	514.4	515.9	516.7	517.4	520.5	522.8	525.9	529.7
157.5°	519.7	519.7	520.5	522.0	523.6	523.6	524.3	527.4	529.7	532.8	535.1
160°	527.4	527.4	528.2	529.7	529.7	530.5	531.2	533.5	535.1	538.9	542.0
162.5°	534.3	533.5	534.3	535.1	535.1	535.1	535.8	537.4	539.7	542.7	545.8
165°	539.7	539.7	539.7	540.4	540.4	539.7	539.7	541.2	542.7	545.0	547.3
167.5°	544.3	544.3	543.5	544.3	543.5	543.5	542.7	543.5	544.3	546.6	548.1
170°	548.1	547.3	547.3	547.3	546.6	545.8	545.8	545.8	545.8	547.3	548.9
172.5°	551.2	550.4	549.6	549.6	548.1	547.3	547.3	546.6	546.6	547.3	548.1
175°	551.9	551.2	550.4	550.4	548.9	548.1	547.3	547.3	546.6	547.3	548.1
177.5°	553.5	552.7	551.2	551.2	549.6	548.1	548.1	547.3	546.6	547.3	547.3
180°	545.8	545.8	545.8	545.8	545.8	545.8	545.8	545.8	545.8	545.8	545.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	305.9	305.9	305.9	305.9	305.9	305.9	305.9	305.9	305.9	305.9
2.5°	307.4	307.4	306.6	305.9	305.9	305.1	304.3	303.6	302.8	302.0
5°	307.4	306.6	305.9	305.9	305.1	305.1	305.1	304.3	303.6	303.6
7.5°	307.4	307.4	306.6	305.9	305.9	305.9	305.9	305.9	305.1	305.1
10°	307.4	306.6	306.6	306.6	305.9	306.6	306.6	305.9	305.9	305.1
12.5°	306.6	306.6	306.6	306.6	306.6	306.6	306.6	306.6	306.6	305.9
15°	305.1	305.9	305.9	306.6	306.6	306.6	307.4	307.4	306.6	306.6
17.5°	304.3	305.1	305.9	306.6	306.6	306.6	307.4	307.4	307.4	307.4
20°	302.8	303.6	304.3	305.1	305.1	305.9	305.9	306.6	306.6	306.6
22.5°	299.7	300.5	302.0	302.8	303.6	304.3	305.1	305.1	305.1	305.1
25°	296.7	298.2	299.0	300.5	301.3	302.0	302.8	302.8	302.8	303.6
27.5°	292.8	294.4	296.7	297.4	298.2	299.0	299.7	300.5	300.5	300.5
30°	288.2	290.5	292.1	293.6	294.4	295.1	295.9	295.9	296.7	296.7
32.5°	282.9	285.2	286.7	288.2	289.0	289.8	291.3	291.3	292.1	292.1
35°	276.0	278.3	280.6	282.1	282.9	283.6	285.2	285.9	285.9	285.9
37.5°	269.1	271.4	273.7	276.0	276.7	277.5	279.0	279.0	279.8	279.8
40°	260.6	262.9	265.2	267.5	267.5	269.1	269.8	270.6	271.4	271.4
42.5°	252.2	254.5	256.0	258.3	259.1	259.9	260.6	262.2	262.2	262.9
45°	242.2	244.5	246.1	248.4	249.1	249.9	251.4	252.2	253.0	253.0
47.5°	231.5	233.0	234.6	236.9	238.4	239.2	239.9	240.7	241.5	240.7
50°	219.2	220.8	223.1	225.4	226.1	226.9	228.4	228.4	229.2	229.2
52.5°	206.2	208.5	210.0	212.3	213.1	213.9	215.4	215.4	216.2	216.2
55°	191.6	193.2	194.7	198.5	199.3	200.1	201.6	201.6	202.4	203.1
57.5°	177.8	178.6	180.9	182.4	184.0	184.0	184.7	185.5	186.3	186.3
60°	163.3	164.1	165.6	167.9	167.9	168.6	170.2	170.2	170.9	170.9
62.5°	148.0	149.5	151.0	153.3	152.6	153.3	154.9	154.9	155.6	155.6
65°	132.6	133.4	134.9	136.5	137.2	137.2	138.0	138.8	139.5	139.5
67.5°	116.5	118.1	118.8	121.1	120.4	121.1	121.9	121.9	122.7	122.7
70°	101.2	102.0	103.5	104.3	104.3	105.0	105.8	105.8	105.8	106.6
72.5°	85.9	86.6	87.4	88.2	88.2	88.9	89.7	89.7	90.5	90.5
75°	69.8	71.3	72.1	73.6	72.8	73.6	75.1	75.1	75.1	75.1
77.5°	56.0	56.7	58.3	59.0	59.0	59.0	60.6	59.8	60.6	60.6
80°	42.2	42.9	44.5	45.2	45.2	46.0	46.8	46.8	46.8	47.5
82.5°	29.9	31.4	33.0	33.7	33.7	34.5	35.3	35.3	36.0	36.0
85°	20.7	22.2	23.8	23.8	24.5	25.3	26.1	26.1	26.1	26.1
87.5°	13.8	14.6	15.3	16.1	16.9	16.9	17.6	17.6	18.4	18.4
90°	7.7	8.4	9.2	10.0	10.0	10.7	10.7	11.5	11.5	11.5
92.5°	10.7	10.7	11.5	12.3	12.3	12.3	12.3	13.0	13.0	13.0
95°	23.0	23.8	23.8	25.3	25.3	25.3	26.1	26.1	26.1	26.1
97.5°	44.5	44.5	44.5	46.0	46.0	46.0	46.8	46.8	46.8	47.5
100°	69.8	70.5	70.5	72.8	72.1	73.6	73.6	73.6	73.6	74.4
102.5°	98.1	99.7	100.4	102.7	102.7	102.7	104.3	103.5	104.3	104.3
105°	128.8	130.3	131.1	133.4	134.9	134.9	136.5	135.7	136.5	137.2
107.5°	159.5	161.8	163.3	165.6	167.1	167.9	167.9	168.6	169.4	170.2
110°	190.9	193.2	197.0	199.3	200.1	201.6	202.4	203.1	203.9	205.4



TEST NUMBER: P393806

CATALOG NUMBER: I3-FL-30L835-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	223.8	226.1	229.2	232.3	231.5	233.8	235.3	236.1	236.9	236.1
115°	253.7	256.8	259.9	262.9	262.9	264.5	267.5	268.3	268.3	269.8
117.5°	282.1	285.9	289.0	292.1	292.8	294.4	296.7	299.0	299.0	300.5
120°	309.7	314.3	317.4	320.4	322.0	322.7	325.0	328.1	328.1	328.1
122.5°	335.8	339.6	343.4	346.5	348.0	349.6	351.1	354.9	354.9	356.5
125°	360.3	364.9	368.7	371.8	373.3	374.9	377.9	380.2	381.0	381.0
127.5°	383.3	387.9	391.7	395.6	396.3	397.9	400.9	404.0	404.8	405.5
130°	404.8	409.4	413.2	417.0	418.6	419.3	423.2	425.5	427.0	427.8
132.5°	423.9	428.5	432.4	436.2	437.7	439.3	441.6	445.4	446.2	446.2
135°	441.6	446.2	450.0	454.6	455.4	456.9	460.0	462.3	463.8	464.6
137.5°	457.7	462.3	466.9	470.7	472.2	473.0	476.1	479.1	480.7	481.4
140°	472.2	476.8	481.4	484.5	485.3	487.6	489.9	492.9	494.5	495.2
142.5°	486.0	489.9	493.7	497.5	498.3	499.8	502.1	505.2	506.7	507.5
145°	498.3	502.1	505.2	508.2	509.0	510.5	512.8	515.1	516.7	517.4
147.5°	509.8	512.8	515.9	518.2	519.0	520.5	522.0	523.6	525.1	525.9
150°	519.7	521.3	524.3	525.9	526.6	528.2	529.7	531.2	532.8	533.5
152.5°	527.4	529.7	531.2	533.5	534.3	535.1	536.6	538.1	539.7	539.7
155°	533.5	535.8	537.4	539.7	540.4	541.2	542.7	543.5	545.0	545.0
157.5°	538.1	540.4	542.0	543.5	544.3	545.0	545.8	547.3	548.9	548.9
160°	543.5	544.3	545.0	546.6	546.6	547.3	548.1	548.9	550.4	550.4
162.5°	548.1	548.9	547.3	548.1	547.3	548.1	548.9	549.6	550.4	550.4
165°	549.6	551.2	550.4	551.2	551.2	551.2	551.2	551.9	551.9	551.9
167.5°	549.6	551.2	550.4	550.4	551.2	551.2	551.9	552.7	552.7	552.7
170°	549.6	550.4	549.6	548.9	549.6	549.6	549.6	550.4	550.4	550.4
172.5°	548.9	549.6	548.1	547.3	547.3	547.3	546.6	546.6	545.8	545.8
175°	548.1	548.1	546.6	545.8	545.8	545.8	544.3	543.5	542.7	542.0
177.5°	547.3	547.3	545.0	544.3	544.3	543.5	543.5	542.0	542.0	541.2
180°	545.8	545.8	545.8	545.8	545.8	545.8	545.8	545.8	545.8	545.8

(END OF REPORT)