

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: P395040

Luminaire Tested: **I3-FL-30L935-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395040
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-30L935-1D-UNV-STD-W-4
Description: CORELITE I3, FROSTED TOP COVER
3000 LUMENS
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

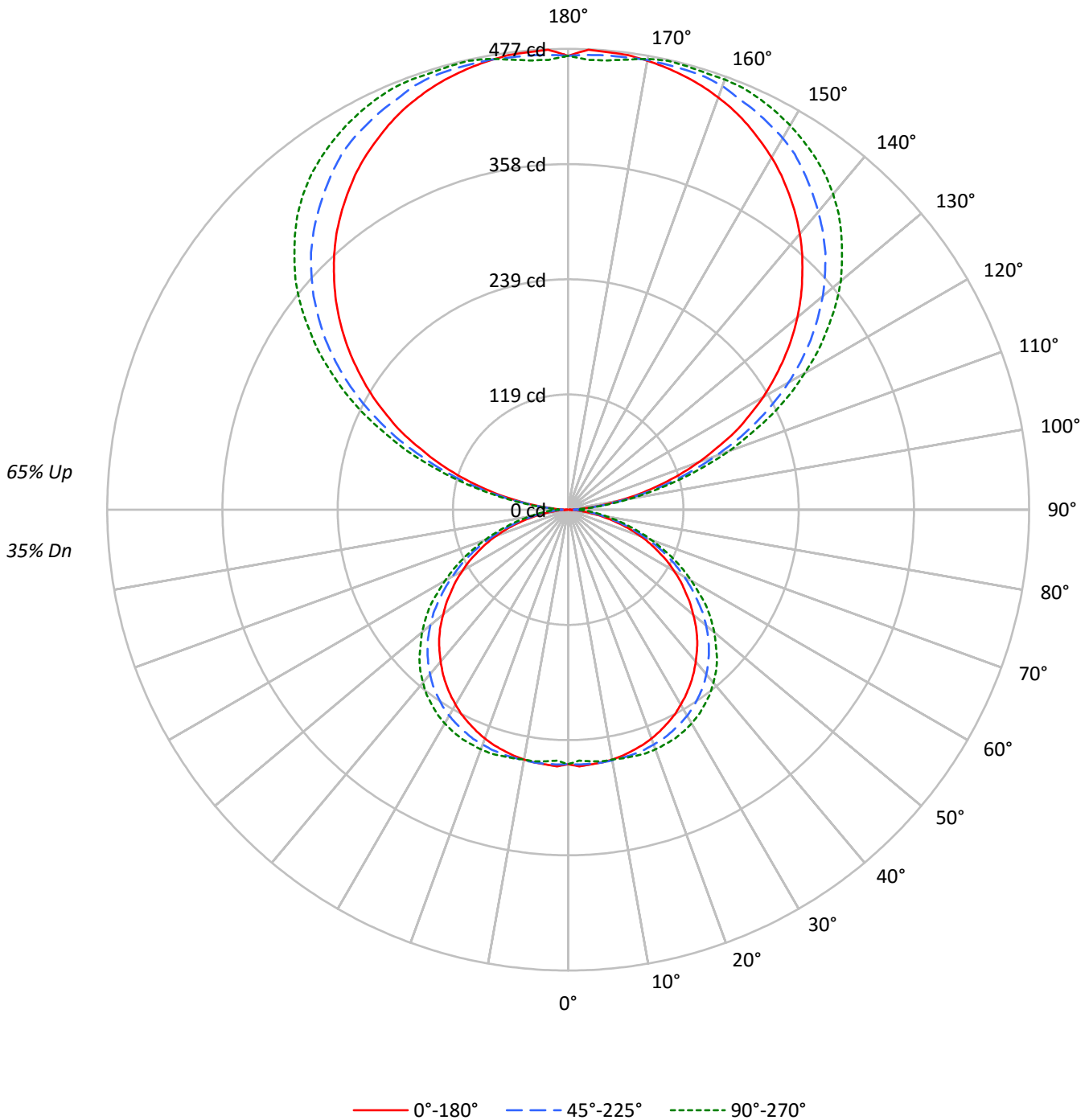
Lumens per Lamp: N/A
Luminaire Lumens: 2420.4 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.43 / 1.49
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 19.7
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°	1448	1448	1448
5°	1455	1424	1401
10°	1455	1404	1385
15°	1452	1392	1379
20°	1452	1380	1377
25°	1449	1368	1372
30°	1443	1355	1360
35°	1436	1333	1339
40°	1422	1305	1310
45°	1407	1265	1270
50°	1375	1209	1207
55°	1335	1132	1135
60°	1291	1043	1025
65°	1228	935	911
70°	1140	797	770
75°	993	633	612
80°	775	449	448
85°	420	258	295



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.1	1.0
10°-20°	73.9	3.1
20°-30°	116.5	4.8
30°-40°	146.4	6.0
40°-50°	157.4	6.5
50°-60°	144.8	6.0
60°-70°	110.9	4.6
70°-80°	63.2	2.6
80°-90°	19.7	0.8
90°-100°	26.4	1.1
100°-110°	114.7	4.7
110°-120°	210.0	8.7
120°-130°	270.7	11.2
130°-140°	288.0	11.9
140°-150°	265.0	10.9
150°-160°	209.9	8.7
160°-170°	132.9	5.5
170°-180°	45.0	1.9
0°-30°	215.4	8.9
0°-40°	361.8	14.9
0°-60°	663.9	27.4
0°-90°	857.8	35.4
90°-120°	351.1	14.5
90°-150°	1174.8	48.5
90°-180°	1563.0	64.6
0°-180°	2420.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	263	263	263	263	263	
5°	265	262	264	263	261	25
15°	258	257	262	264	264	73
25°	244	244	254	259	261	112
35°	220	223	236	244	246	138
45°	189	193	206	214	218	145
55°	148	154	163	172	175	132
65°	103	106	113	118	120	102
75°	54	55	59	63	65	57
85°	10	13	16	21	22	12
90°	1	2	6	9	10	1
95°	18	17	19	22	22	22
105°	97	102	110	116	118	103
115°	191	199	215	226	232	187
125°	273	284	306	321	328	243
135°	343	354	376	392	400	264
145°	399	407	426	438	446	249
155°	440	445	456	465	469	203
165°	465	465	471	475	475	131
175°	475	472	472	470	467	45
180°	470	470	470	470	470	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	263.4	263.4	263.4	263.4	263.4	263.4	263.4	263.4	263.4	263.4	263.4
2.5°	266.0	265.4	264.7	263.4	263.4	262.7	262.7	262.7	262.7	263.4	264.0
5°	264.7	264.7	264.0	262.7	262.7	262.0	262.0	262.7	262.0	262.7	264.0
7.5°	264.0	264.0	263.4	262.0	262.0	262.0	262.0	262.0	262.0	262.7	264.0
10°	262.7	262.7	261.4	260.7	260.7	260.7	260.7	261.4	261.4	262.0	263.4
12.5°	260.7	260.0	259.4	258.7	258.7	258.7	259.4	260.0	260.0	261.4	262.7
15°	258.0	258.0	257.4	256.8	256.8	256.8	257.4	258.0	258.7	260.0	262.0
17.5°	255.5	255.5	254.8	254.8	254.8	254.8	255.5	256.1	257.4	258.7	260.7
20°	252.1	252.1	251.5	251.5	251.5	252.1	252.1	253.5	254.8	256.8	258.7
22.5°	248.1	248.1	248.1	247.5	248.1	248.8	249.5	250.8	252.1	254.1	256.8
25°	243.6	243.6	243.6	243.6	244.2	244.2	245.6	246.8	248.1	250.8	253.5
27.5°	238.9	238.9	238.9	238.2	239.6	240.2	240.9	242.9	244.2	247.5	250.1
30°	233.0	233.0	233.0	233.7	234.3	235.0	236.3	238.2	239.6	242.9	246.2
32.5°	227.0	227.0	227.0	227.0	229.0	229.7	230.3	232.3	235.0	238.2	241.6
35°	220.4	220.4	220.4	221.1	222.4	223.1	224.4	226.4	229.0	232.3	235.7
37.5°	213.2	213.9	213.9	214.5	215.9	217.1	218.4	220.4	223.1	226.4	229.7
40°	205.3	206.0	206.0	206.6	207.9	209.2	210.5	213.2	215.9	219.1	222.4
42.5°	197.3	198.0	198.0	199.3	200.6	202.0	203.3	206.0	208.5	211.9	214.5
45°	188.7	189.4	189.4	190.7	192.7	193.4	195.4	198.0	200.6	203.3	206.0
47.5°	179.5	180.2	180.2	181.5	183.5	184.8	186.1	188.7	190.7	194.1	196.7
50°	168.9	169.6	170.3	171.6	174.3	175.6	176.8	178.8	181.5	183.5	186.1
52.5°	159.0	159.0	159.7	161.0	163.0	164.4	165.0	166.9	170.3	172.9	175.6
55°	147.8	148.5	149.1	150.5	152.5	153.8	154.5	156.4	158.4	160.4	163.0
57.5°	137.9	137.9	138.6	139.9	141.9	142.6	143.2	144.6	147.1	149.1	151.1
60°	126.1	126.7	127.4	128.7	130.0	131.4	131.4	133.4	135.3	137.3	138.6
62.5°	115.5	115.5	116.1	117.5	118.1	119.5	119.5	121.5	122.8	124.8	126.1
65°	103.0	103.7	104.3	105.0	106.2	106.2	106.9	108.2	109.6	110.9	112.9
67.5°	91.8	91.8	92.4	93.1	93.8	93.8	94.4	95.7	97.0	98.3	99.7
70°	79.2	79.9	79.9	79.9	80.5	81.2	81.9	82.5	83.9	84.5	85.8
72.5°	66.6	66.6	67.3	67.3	68.0	68.6	69.3	70.0	70.6	72.0	72.6
75°	54.2	54.2	54.8	54.8	55.4	55.4	55.4	56.7	57.4	58.7	59.4
77.5°	41.6	42.3	42.3	42.3	42.9	43.6	43.6	44.3	45.5	46.2	46.8
80°	30.4	30.4	30.4	30.4	31.0	31.7	32.4	32.4	33.7	35.0	35.6
82.5°	19.1	19.1	19.8	20.5	20.5	21.1	21.8	22.5	23.8	24.5	25.1
85°	9.9	9.9	10.6	11.2	11.9	12.6	12.6	13.2	14.6	15.8	16.5
87.5°	3.3	4.0	4.0	4.6	5.3	5.9	6.6	7.2	8.6	9.9	10.6
90°	0.7	0.7	0.7	1.3	2.0	2.0	2.7	3.3	4.0	4.6	5.9
92.5°	5.9	5.9	5.3	5.9	5.9	5.9	5.9	6.6	7.2	7.2	8.6
95°	17.8	17.1	17.1	17.1	17.1	17.1	17.1	17.8	18.5	18.5	19.1
97.5°	34.4	34.4	33.7	33.7	34.4	34.4	34.4	35.0	36.3	35.6	36.9
100°	53.5	53.5	52.8	53.5	54.2	54.8	56.1	56.1	57.4	57.4	59.4
102.5°	75.3	75.3	74.6	75.9	76.5	77.9	77.9	79.2	81.2	81.2	83.9
105°	97.0	97.7	97.7	99.0	100.3	101.7	101.7	103.7	106.2	106.2	109.6
107.5°	120.8	121.5	121.5	122.8	124.1	125.4	126.1	128.7	131.4	132.0	136.0
110°	143.9	144.6	145.2	146.5	147.8	149.8	151.1	153.8	157.0	158.4	161.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	165.7	168.3	168.9	170.9	172.9	174.9	176.2	179.5	183.5	185.5	189.4
115°	190.7	192.1	192.7	194.7	197.3	199.3	200.6	204.0	207.9	210.5	215.2
117.5°	211.2	214.5	215.2	217.1	219.8	221.8	223.1	227.0	231.7	235.0	239.6
120°	233.0	235.7	238.2	239.6	241.6	244.2	245.6	249.5	254.8	258.0	263.4
122.5°	252.8	255.5	258.0	260.0	262.7	264.0	266.0	270.6	275.9	279.8	285.2
125°	272.6	275.9	277.8	279.8	283.2	284.5	286.5	291.1	296.4	301.0	306.3
127.5°	291.7	293.7	297.0	298.3	301.6	303.0	305.0	310.2	315.5	320.1	325.4
130°	309.5	312.2	314.9	315.5	319.4	321.4	323.4	328.0	334.0	338.6	343.9
132.5°	326.7	328.0	331.3	333.3	336.7	338.6	340.6	344.6	350.5	355.1	360.4
135°	342.6	343.9	347.8	349.8	351.8	353.8	356.5	360.4	366.4	370.9	376.3
137.5°	358.4	359.7	363.7	365.7	367.0	368.9	370.9	374.9	380.8	385.5	390.1
140°	372.9	374.3	376.9	379.5	380.8	382.2	384.2	388.1	393.4	398.0	402.6
142.5°	386.2	387.4	390.1	392.7	394.7	394.7	396.7	400.0	406.0	410.5	414.5
145°	398.6	399.3	402.0	404.6	407.3	407.3	407.9	411.2	416.5	421.8	425.8
147.5°	410.5	411.2	413.2	415.9	417.8	418.4	419.8	421.1	426.4	431.6	436.3
150°	421.1	421.8	423.1	425.8	427.1	428.3	429.6	430.3	434.3	438.9	444.2
152.5°	430.3	431.0	432.3	434.3	435.6	437.0	438.2	440.2	442.2	446.9	450.1
155°	439.5	440.2	440.9	442.9	444.2	444.9	445.5	448.2	450.1	452.8	456.1
157.5°	447.5	447.5	448.2	449.4	450.8	450.8	451.4	454.1	456.1	458.7	460.7
160°	454.1	454.1	454.8	456.1	456.1	456.8	457.4	459.3	460.7	464.0	466.7
162.5°	460.0	459.3	460.0	460.7	460.7	460.7	461.3	462.7	464.7	467.3	469.9
165°	464.7	464.7	464.7	465.3	465.3	464.7	464.7	466.0	467.3	469.2	471.2
167.5°	468.6	468.6	468.0	468.6	468.0	468.0	467.3	468.0	468.6	470.6	471.9
170°	471.9	471.2	471.2	471.2	470.6	469.9	469.9	469.9	469.9	471.2	472.6
172.5°	474.6	473.9	473.2	473.2	471.9	471.2	471.2	470.6	470.6	471.2	471.9
175°	475.2	474.6	473.9	473.9	472.6	471.9	471.2	471.2	470.6	471.2	471.9
177.5°	476.6	475.9	474.6	474.6	473.2	471.9	471.9	471.2	470.6	471.2	471.2
180°	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	263.4	263.4	263.4	263.4	263.4	263.4	263.4	263.4	263.4	263.4
2.5°	264.7	264.7	264.0	263.4	263.4	262.7	262.0	261.4	260.7	260.0
5°	264.7	264.0	263.4	263.4	262.7	262.7	262.7	262.0	261.4	261.4
7.5°	264.7	264.7	264.0	263.4	263.4	263.4	263.4	263.4	262.7	262.7
10°	264.7	264.0	264.0	264.0	263.4	264.0	264.0	263.4	263.4	262.7
12.5°	264.0	264.0	264.0	264.0	264.0	264.0	264.0	264.0	264.0	263.4
15°	262.7	263.4	263.4	264.0	264.0	264.0	264.7	264.7	264.0	264.0
17.5°	262.0	262.7	263.4	264.0	264.0	264.0	264.7	264.7	264.7	264.7
20°	260.7	261.4	262.0	262.7	262.7	263.4	263.4	264.0	264.0	264.0
22.5°	258.0	258.7	260.0	260.7	261.4	262.0	262.7	262.7	262.7	262.7
25°	255.5	256.8	257.4	258.7	259.4	260.0	260.7	260.7	260.7	261.4
27.5°	252.1	253.5	255.5	256.1	256.8	257.4	258.0	258.7	258.7	258.7
30°	248.1	250.1	251.5	252.8	253.5	254.1	254.8	254.8	255.5	255.5
32.5°	243.6	245.6	246.8	248.1	248.8	249.5	250.8	250.8	251.5	251.5
35°	237.6	239.6	241.6	242.9	243.6	244.2	245.6	246.2	246.2	246.2
37.5°	231.7	233.7	235.7	237.6	238.2	238.9	240.2	240.2	240.9	240.9
40°	224.4	226.4	228.3	230.3	230.3	231.7	232.3	233.0	233.7	233.7
42.5°	217.1	219.1	220.4	222.4	223.1	223.8	224.4	225.8	225.8	226.4
45°	208.5	210.5	211.9	213.9	214.5	215.2	216.5	217.1	217.8	217.8
47.5°	199.3	200.6	202.0	204.0	205.3	206.0	206.6	207.2	207.9	207.2
50°	188.7	190.1	192.1	194.1	194.7	195.4	196.7	196.7	197.3	197.3
52.5°	177.5	179.5	180.8	182.8	183.5	184.2	185.5	185.5	186.1	186.1
55°	165.0	166.3	167.6	170.9	171.6	172.3	173.6	173.6	174.3	174.9
57.5°	153.1	153.8	155.8	157.0	158.4	158.4	159.0	159.7	160.4	160.4
60°	140.6	141.3	142.6	144.6	144.6	145.2	146.5	146.5	147.1	147.1
62.5°	127.4	128.7	130.0	132.0	131.4	132.0	133.4	133.4	134.0	134.0
65°	114.2	114.9	116.1	117.5	118.1	118.1	118.8	119.5	120.1	120.1
67.5°	100.3	101.7	102.3	104.3	103.7	104.3	105.0	105.0	105.6	105.6
70°	87.1	87.8	89.1	89.8	89.8	90.4	91.1	91.1	91.1	91.8
72.5°	74.0	74.6	75.3	75.9	75.9	76.5	77.2	77.2	77.9	77.9
75°	60.1	61.4	62.1	63.4	62.7	63.4	64.7	64.7	64.7	64.7
77.5°	48.2	48.8	50.2	50.8	50.8	50.8	52.2	51.5	52.2	52.2
80°	36.3	36.9	38.3	38.9	38.9	39.6	40.3	40.3	40.3	40.9
82.5°	25.7	27.0	28.4	29.0	29.0	29.7	30.4	30.4	31.0	31.0
85°	17.8	19.1	20.5	20.5	21.1	21.8	22.5	22.5	22.5	22.5
87.5°	11.9	12.6	13.2	13.9	14.6	14.6	15.2	15.2	15.8	15.8
90°	6.6	7.2	7.9	8.6	8.6	9.2	9.2	9.9	9.9	9.9
92.5°	9.2	9.2	9.9	10.6	10.6	10.6	10.6	11.2	11.2	11.2
95°	19.8	20.5	20.5	21.8	21.8	21.8	22.5	22.5	22.5	22.5
97.5°	38.3	38.3	38.3	39.6	39.6	39.6	40.3	40.3	40.3	40.9
100°	60.1	60.7	60.7	62.7	62.1	63.4	63.4	63.4	63.4	64.1
102.5°	84.5	85.8	86.4	88.4	88.4	88.4	89.8	89.1	89.8	89.8
105°	110.9	112.2	112.9	114.9	116.1	116.1	117.5	116.8	117.5	118.1
107.5°	137.3	139.3	140.6	142.6	143.9	144.6	144.6	145.2	145.9	146.5
110°	164.4	166.3	169.6	171.6	172.3	173.6	174.3	174.9	175.6	176.8



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CATALOG NUMBER: I3-FL-30L935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	192.7	194.7	197.3	200.0	199.3	201.3	202.6	203.3	204.0	203.3
115°	218.4	221.1	223.8	226.4	226.4	227.7	230.3	231.0	231.0	232.3
117.5°	242.9	246.2	248.8	251.5	252.1	253.5	255.5	257.4	257.4	258.7
120°	266.7	270.6	273.3	275.9	277.2	277.8	279.8	282.5	282.5	282.5
122.5°	289.1	292.4	295.7	298.3	299.6	301.0	302.3	305.6	305.6	306.9
125°	310.2	314.2	317.5	320.1	321.4	322.8	325.4	327.4	328.0	328.0
127.5°	330.0	334.0	337.3	340.6	341.2	342.6	345.2	347.8	348.5	349.1
130°	348.5	352.5	355.8	359.0	360.4	361.0	364.4	366.4	367.6	368.3
132.5°	365.0	368.9	372.3	375.6	376.9	378.2	380.2	383.5	384.2	384.2
135°	380.2	384.2	387.4	391.4	392.1	393.4	396.1	398.0	399.3	400.0
137.5°	394.1	398.0	402.0	405.3	406.6	407.3	409.9	412.5	413.9	414.5
140°	406.6	410.5	414.5	417.2	417.8	419.8	421.8	424.4	425.8	426.4
142.5°	418.4	421.8	425.1	428.3	429.0	430.3	432.3	435.0	436.3	437.0
145°	429.0	432.3	435.0	437.6	438.2	439.5	441.5	443.5	444.9	445.5
147.5°	438.9	441.5	444.2	446.2	446.9	448.2	449.4	450.8	452.1	452.8
150°	447.5	448.8	451.4	452.8	453.4	454.8	456.1	457.4	458.7	459.3
152.5°	454.1	456.1	457.4	459.3	460.0	460.7	462.0	463.3	464.7	464.7
155°	459.3	461.3	462.7	464.7	465.3	466.0	467.3	468.0	469.2	469.2
157.5°	463.3	465.3	466.7	468.0	468.6	469.2	469.9	471.2	472.6	472.6
160°	468.0	468.6	469.2	470.6	470.6	471.2	471.9	472.6	473.9	473.9
162.5°	471.9	472.6	471.2	471.9	471.2	471.9	472.6	473.2	473.9	473.9
165°	473.2	474.6	473.9	474.6	474.6	474.6	474.6	475.2	475.2	475.2
167.5°	473.2	474.6	473.9	473.9	474.6	474.6	475.2	475.9	475.9	475.9
170°	473.2	473.9	473.2	472.6	473.2	473.2	473.2	473.9	473.9	473.9
172.5°	472.6	473.2	471.9	471.2	471.2	471.2	470.6	470.6	469.9	469.9
175°	471.9	471.9	470.6	469.9	469.9	469.9	468.6	468.0	467.3	466.7
177.5°	471.2	471.2	469.2	468.6	468.6	468.0	468.0	466.7	466.7	466.0
180°	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9	469.9

(END OF REPORT)