

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: P395022

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

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395022
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-CL-30L935-1D-UNV-STD-W-4
Description: CORELITE I3, CLEAR TOP COVER
3000 LUMENS
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

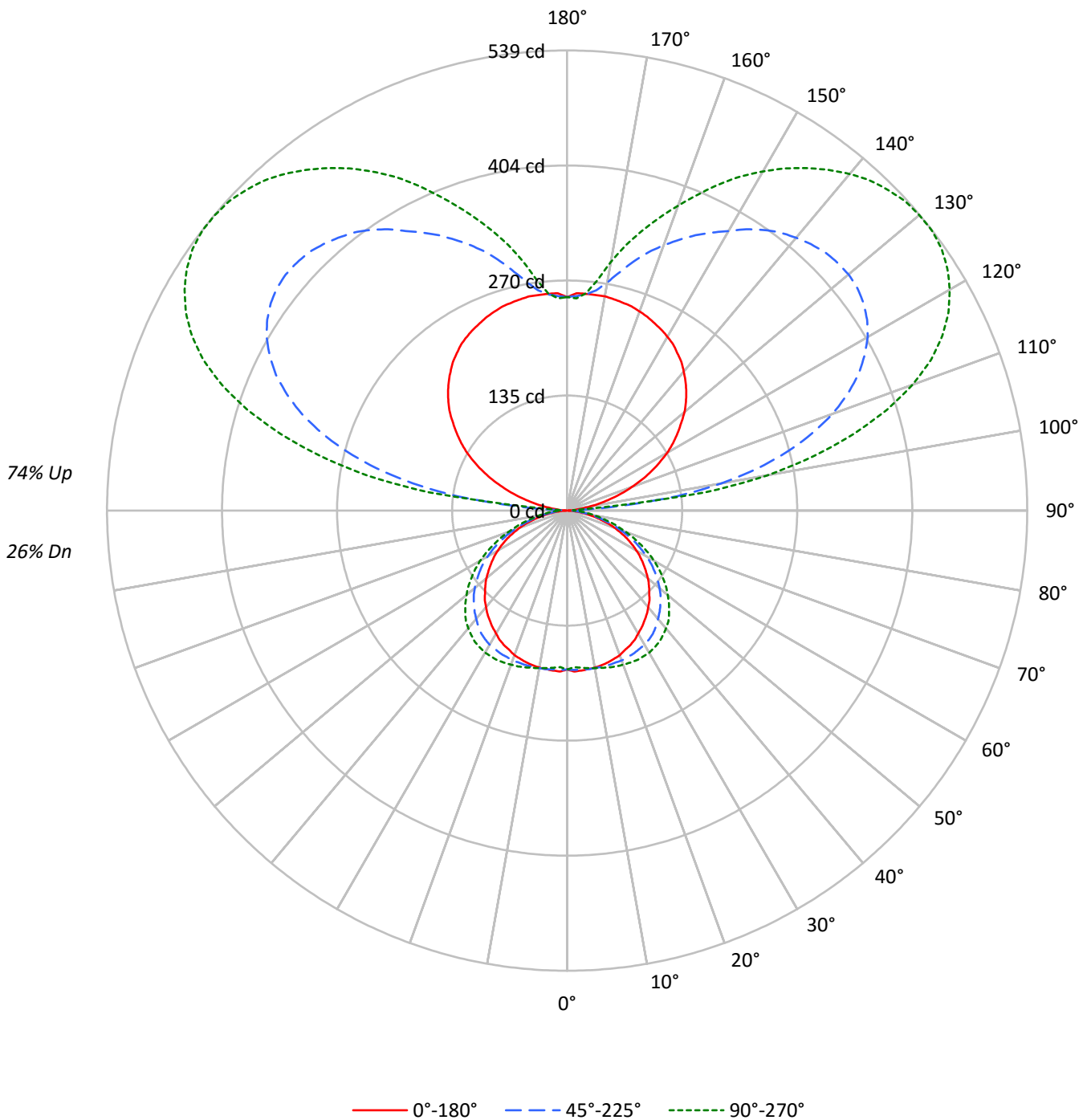
Lumens per Lamp: N/A
Luminaire Lumens: 2452.8 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

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	101	101	101	101	91	91	91	91	70	70	70	51	51	51	34	34	34	26
1	92	88	84	81	82	79	75	73	61	59	57	45	43	42	30	29	28	22
2	84	77	71	65	74	68	63	59	53	50	47	39	37	35	26	25	24	18
3	76	67	60	54	68	60	54	49	47	42	39	34	32	29	23	21	20	15
4	70	59	51	45	62	53	46	41	41	37	33	30	27	25	20	18	17	13
5	64	52	44	39	56	47	40	35	37	32	28	27	24	21	18	16	15	11
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	13	9
7	54	42	34	29	48	38	31	26	30	25	21	22	19	16	15	13	11	8
8	50	38	30	25	44	34	27	23	27	22	18	20	17	14	14	11	10	7
9	46	34	27	22	41	31	25	20	24	20	16	18	15	13	12	10	9	6
10	43	31	24	20	38	28	22	18	22	18	15	17	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1023	1023	1023
5°	1034	1007	991
10°	1035	999	988
15°	1036	995	993
20°	1038	996	1002
25°	1037	997	1015
30°	1030	999	1022
35°	1028	993	1023
40°	1024	972	1010
45°	1014	949	985
50°	1005	918	941
55°	984	871	887
60°	960	810	819
65°	920	727	726
70°	855	619	615
75°	739	493	494
80°	574	350	361
85°	335	217	243



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.8	0.7
10°-20°	52.9	2.2
20°-30°	84.8	3.5
30°-40°	108.5	4.4
40°-50°	118.3	4.8
50°-60°	110.8	4.5
60°-70°	86.0	3.5
70°-80°	49.3	2.0
80°-90°	15.8	0.6
90°-100°	63.3	2.6
100°-110°	245.9	10.0
110°-120°	334.8	13.6
120°-130°	347.5	14.2
130°-140°	308.3	12.6
140°-150°	239.2	9.8
150°-160°	159.6	6.5
160°-170°	85.1	3.5
170°-180°	24.9	1.0
0°-30°	155.5	6.3
0°-40°	264.0	10.8
0°-60°	493.2	20.1
0°-90°	644.2	26.3
90°-120°	644.0	26.3
90°-150°	1539.0	62.7
90°-180°	1809.0	73.8
0°-180°	2452.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	186	186	186	186	186	
5°	188	186	187	186	185	18
15°	184	184	187	190	190	52
25°	174	176	185	191	193	80
35°	158	161	176	185	188	99
45°	136	142	154	164	169	105
55°	109	115	125	134	137	97
65°	77	80	88	94	96	76
75°	40	42	46	51	52	43
85°	8	9	14	18	18	10
90°	1	2	5	7	8	1
95°	8	45	61	13	12	10
105°	52	158	267	318	348	56
115°	109	244	376	442	485	107
125°	158	287	424	498	535	141
135°	197	302	428	502	531	152
145°	225	302	401	466	490	141
155°	242	286	356	403	422	112
165°	252	263	302	331	339	71
175°	255	254	254	256	256	24
180°	250	250	250	250	250	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1
2.5°	188.7	188.1	188.1	186.8	186.8	186.1	186.1	186.1	186.1	186.1	186.8
5°	188.1	188.1	187.4	186.8	186.8	186.1	186.1	186.1	186.1	186.1	186.8
7.5°	187.4	187.4	186.8	186.1	186.1	186.1	186.1	186.1	186.1	186.1	187.4
10°	186.8	186.8	186.1	185.5	185.5	185.5	185.5	186.1	186.1	186.1	187.4
12.5°	185.5	184.8	184.8	184.2	184.2	184.2	184.8	184.8	185.5	186.1	187.4
15°	184.2	184.2	183.5	182.8	183.5	183.5	183.5	184.2	184.8	185.5	187.4
17.5°	182.2	182.2	181.5	181.5	181.5	182.2	182.2	182.8	184.2	185.5	186.8
20°	180.2	179.5	179.5	179.5	180.2	180.2	180.8	182.2	182.8	184.8	186.8
22.5°	176.8	177.5	176.8	176.8	177.5	178.2	178.8	180.2	181.5	183.5	185.5
25°	174.3	174.3	174.3	174.3	175.6	175.6	176.8	178.2	180.2	182.2	184.8
27.5°	170.9	170.9	170.9	171.6	172.3	172.9	173.6	175.6	177.5	180.2	182.8
30°	166.3	166.3	166.3	166.3	168.3	168.9	170.3	172.9	174.9	178.2	181.5
32.5°	162.4	162.4	162.4	163.0	164.4	165.0	166.3	169.6	172.3	175.6	178.8
35°	157.7	157.7	158.4	158.4	160.4	161.0	162.4	165.0	167.6	171.6	175.6
37.5°	153.1	153.1	153.8	154.5	155.8	157.0	158.4	161.0	163.7	166.9	170.9
40°	147.8	147.8	148.5	149.1	151.1	152.5	153.8	156.4	159.0	162.4	165.7
42.5°	142.6	142.6	143.2	143.9	145.9	147.1	148.5	151.8	154.5	157.7	160.4
45°	136.0	136.6	137.3	138.6	140.6	141.9	143.2	145.9	149.1	151.8	154.5
47.5°	130.0	130.7	131.4	132.7	134.7	136.0	137.3	139.9	142.6	145.2	148.5
50°	123.5	124.1	124.8	126.1	128.0	129.4	130.7	133.4	136.0	137.9	141.3
52.5°	116.1	116.8	117.5	118.8	121.5	122.1	123.5	126.1	128.0	130.7	133.4
55°	108.9	109.6	110.2	111.6	113.6	114.9	115.5	118.1	120.1	122.8	125.4
57.5°	101.7	102.3	103.0	104.3	105.6	106.9	107.6	109.6	112.2	114.2	116.8
60°	93.8	94.4	95.1	95.7	97.7	98.3	99.0	101.0	103.0	105.6	107.6
62.5°	85.8	85.8	86.4	87.1	89.1	89.8	90.4	91.8	94.4	95.7	97.7
65°	77.2	77.2	77.9	78.5	79.9	80.5	81.2	82.5	84.5	85.8	87.8
67.5°	68.0	68.0	68.6	69.3	70.6	71.3	71.3	73.3	74.6	75.9	77.2
70°	59.4	59.4	60.1	60.1	60.7	61.4	62.1	63.4	64.1	66.0	66.6
72.5°	50.2	50.2	50.2	50.2	51.5	51.5	52.2	53.5	54.2	55.4	56.7
75°	40.3	40.3	40.9	40.9	41.6	42.3	42.9	43.6	44.9	45.5	46.2
77.5°	31.7	31.0	31.7	32.4	33.0	33.0	33.7	34.4	35.0	36.3	36.9
80°	22.5	22.5	22.5	23.1	23.8	23.8	24.5	25.1	25.7	27.0	27.7
82.5°	14.6	14.6	15.2	15.2	15.8	16.5	16.5	17.1	17.8	19.1	19.8
85°	7.9	7.9	7.9	8.6	9.2	9.2	9.9	10.6	11.9	12.6	13.9
87.5°	2.7	2.7	3.3	4.0	4.6	4.6	5.3	5.9	6.6	7.9	8.6
90°	0.7	0.7	0.7	1.3	1.3	2.0	2.0	2.7	3.3	4.0	4.6
92.5°	2.7	4.6	7.2	10.6	9.9	10.6	7.2	4.6	4.6	4.6	5.3
95°	7.9	11.9	19.1	30.4	39.6	44.9	49.5	54.2	63.4	64.1	61.4
97.5°	15.8	21.8	35.0	49.5	66.0	74.6	81.2	95.1	109.6	118.8	130.0
100°	26.4	35.0	52.2	72.0	91.1	102.3	112.9	132.7	150.5	166.3	183.5
102.5°	38.9	48.8	70.0	94.4	118.1	130.7	141.9	165.0	189.4	210.5	229.0
105°	52.2	63.4	88.4	116.1	143.2	157.7	171.6	196.7	222.4	245.6	267.3
107.5°	66.6	78.5	105.6	136.6	166.9	183.5	198.6	225.8	252.8	277.8	301.0
110°	80.5	93.8	122.1	155.8	190.1	206.6	221.8	251.5	279.8	306.3	330.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	95.1	108.9	137.3	174.3	209.2	226.4	242.2	273.9	303.6	330.7	355.1
115°	108.9	122.1	151.8	190.1	225.8	243.6	260.7	293.1	324.1	351.1	376.3
117.5°	122.1	134.7	165.0	203.3	240.2	258.0	275.3	308.9	339.9	368.3	392.7
120°	135.3	146.5	179.5	214.5	252.1	269.9	287.7	321.4	353.1	381.5	406.6
122.5°	147.1	157.7	190.1	224.4	261.4	279.8	297.0	331.3	363.7	392.1	416.5
125°	157.7	167.6	200.0	232.3	269.3	287.1	305.0	338.6	370.9	398.6	423.8
127.5°	168.3	178.2	207.2	240.2	274.6	293.1	310.2	343.9	375.6	404.0	428.3
130°	179.5	186.8	214.5	247.5	279.8	297.0	314.9	347.2	378.2	406.0	430.3
132.5°	188.7	195.4	221.8	253.5	283.8	300.3	316.2	348.5	379.5	406.0	429.6
135°	197.3	202.6	227.0	258.7	287.1	302.3	317.5	347.8	378.2	404.6	427.7
137.5°	205.3	210.5	231.7	262.7	289.7	303.0	317.5	345.9	374.9	401.3	423.1
140°	212.5	216.5	235.7	264.7	291.1	303.6	316.2	342.6	369.6	395.4	417.2
142.5°	219.8	223.1	238.9	266.0	291.7	303.6	315.5	338.6	363.7	388.7	410.5
145°	225.1	228.3	241.6	266.7	291.1	302.3	312.9	334.7	357.1	380.2	401.3
147.5°	231.0	233.7	244.2	265.4	289.1	299.6	309.5	329.3	349.8	370.9	390.7
150°	235.0	237.6	245.6	264.0	285.8	295.7	305.6	324.1	342.6	361.0	378.2
152.5°	238.9	240.9	247.5	262.0	281.8	291.1	300.3	318.1	335.3	351.8	367.0
155°	242.2	244.2	248.8	260.7	277.2	285.8	294.4	311.5	327.4	341.9	355.8
157.5°	245.6	246.8	250.1	258.7	271.9	279.8	287.7	303.0	317.5	332.0	343.2
160°	248.1	248.8	251.5	258.0	267.3	273.3	280.5	294.4	307.5	320.1	330.7
162.5°	250.8	250.8	252.8	256.8	263.4	267.3	272.6	284.5	296.4	307.5	317.5
165°	252.1	252.1	253.5	256.1	260.0	262.7	266.0	273.9	283.2	293.1	302.3
167.5°	253.5	253.5	254.1	255.5	258.0	259.4	260.7	266.0	271.9	279.2	286.5
170°	254.8	254.1	254.1	255.5	256.1	256.8	257.4	260.0	262.7	267.3	271.3
172.5°	254.8	254.1	254.1	254.8	254.8	254.8	254.8	255.5	256.1	258.7	260.0
175°	254.8	254.1	254.1	254.1	254.1	253.5	253.5	253.5	253.5	253.5	254.1
177.5°	254.8	254.1	253.5	253.5	252.8	252.8	252.1	252.1	251.5	251.5	251.5
180°	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1
2.5°	186.8	186.8	186.1	186.1	185.5	185.5	184.8	184.2	183.5	183.5
5°	187.4	186.8	186.1	186.1	186.1	185.5	185.5	185.5	184.8	184.8
7.5°	187.4	187.4	187.4	186.8	186.8	186.8	186.8	186.8	186.1	186.1
10°	188.1	188.1	188.1	188.1	188.1	188.1	188.1	187.4	187.4	187.4
12.5°	188.1	188.1	188.1	188.7	188.7	188.7	188.7	188.7	188.7	188.7
15°	188.7	188.7	189.4	189.4	190.1	190.1	190.7	190.7	190.7	190.1
17.5°	188.1	188.7	189.4	190.1	190.7	190.7	191.4	191.4	191.4	191.4
20°	188.1	189.4	190.1	190.7	191.4	191.4	192.1	192.7	192.7	192.1
22.5°	187.4	188.7	189.4	190.7	191.4	191.4	192.7	192.7	192.7	192.7
25°	186.8	188.1	189.4	190.7	191.4	191.4	192.7	192.7	193.4	193.4
27.5°	185.5	186.8	188.7	190.1	190.7	191.4	192.1	192.7	192.7	192.7
30°	183.5	185.5	187.4	188.7	189.4	190.1	190.7	191.4	192.1	192.1
32.5°	180.8	182.8	184.8	186.8	187.4	188.1	189.4	190.1	190.1	190.1
35°	178.2	180.2	182.2	184.2	184.8	185.5	186.8	187.4	188.1	188.1
37.5°	174.3	176.2	178.2	180.2	180.8	182.2	183.5	184.2	184.2	184.2
40°	168.3	171.6	174.3	176.2	176.8	178.2	178.8	180.2	180.2	180.2
42.5°	163.0	165.7	167.6	170.3	170.9	172.9	174.3	174.9	175.6	175.6
45°	157.0	159.7	161.7	163.7	164.4	165.7	166.9	167.6	168.3	168.9
47.5°	151.1	153.1	155.1	157.0	157.7	159.0	160.4	161.0	161.7	161.7
50°	143.9	145.9	147.8	149.8	150.5	151.8	152.5	153.1	153.8	153.8
52.5°	136.0	137.9	139.9	141.9	142.6	143.2	144.6	145.2	145.9	145.9
55°	128.0	130.0	131.4	133.4	134.0	134.7	135.3	136.6	137.3	136.6
57.5°	118.8	120.8	122.1	124.1	124.8	125.4	126.1	126.7	127.4	127.4
60°	108.9	110.9	112.9	114.2	114.9	115.5	116.1	116.8	117.5	117.5
62.5°	99.0	101.0	102.3	104.3	105.0	105.0	105.6	106.2	106.9	106.9
65°	89.1	91.1	91.8	93.8	93.8	94.4	95.1	95.7	95.7	95.7
67.5°	78.5	80.5	81.2	82.5	82.5	83.2	83.9	84.5	84.5	84.5
70°	68.6	69.3	70.6	71.3	72.0	72.0	72.6	73.3	74.0	73.3
72.5°	58.1	58.7	60.1	60.7	60.7	61.4	61.4	62.1	62.7	62.7
75°	47.5	48.8	49.5	50.2	50.8	50.8	51.5	52.2	52.2	52.2
77.5°	37.6	38.9	39.6	40.3	40.9	40.9	41.6	41.6	42.3	41.6
80°	29.0	29.7	30.4	31.0	31.7	31.7	32.4	33.0	33.0	33.0
82.5°	21.1	21.8	23.1	23.8	23.8	23.8	25.1	25.1	25.7	25.1
85°	14.6	15.2	16.5	17.1	17.8	17.8	17.8	18.5	19.1	18.5
87.5°	9.2	10.6	11.2	11.9	11.9	11.9	12.6	13.2	13.2	13.2
90°	5.3	5.3	5.9	6.6	6.6	7.2	7.2	7.9	7.9	7.9
92.5°	5.3	5.9	5.9	5.9	6.6	6.6	6.6	7.2	7.2	7.2
95°	44.9	32.4	18.5	14.6	12.6	12.6	11.9	12.6	11.9	11.9
97.5°	136.0	147.1	152.5	159.7	163.7	163.0	160.4	163.0	161.0	163.0
100°	193.4	204.0	211.9	213.9	217.8	219.8	227.0	232.3	235.0	238.2
102.5°	240.2	252.8	262.0	267.3	271.3	273.9	282.5	290.4	294.4	297.0
105°	283.2	296.4	307.5	312.9	317.5	320.1	329.3	338.6	344.6	347.8
107.5°	317.5	332.7	344.6	352.5	357.1	361.7	372.9	382.2	389.4	392.7
110°	348.5	363.7	376.3	385.5	390.7	395.4	407.9	418.4	426.4	430.3



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

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	374.3	390.7	403.3	413.2	418.4	425.1	437.0	448.8	456.8	461.3
115°	395.4	412.5	425.7	436.3	442.2	448.2	462.0	473.9	481.8	485.1
117.5°	413.2	430.3	444.2	454.8	461.3	468.0	481.8	492.4	500.9	503.6
120°	427.7	444.9	458.7	470.6	477.2	483.1	496.4	507.6	515.5	517.5
122.5°	437.6	455.4	469.9	483.1	489.0	495.0	507.6	518.8	526.1	528.1
125°	444.9	463.3	477.9	491.7	497.7	503.6	515.5	526.7	532.6	535.3
127.5°	449.4	468.0	483.8	497.0	503.6	508.9	520.7	530.6	536.6	538.6
130°	450.8	469.9	485.8	499.6	505.6	510.8	522.1	532.0	537.3	538.6
132.5°	450.8	469.2	485.8	498.9	504.9	510.2	520.7	530.0	535.3	536.6
135°	448.2	466.0	482.5	495.7	501.6	506.9	517.5	525.4	530.6	531.3
137.5°	443.5	460.7	476.6	489.7	495.7	500.9	510.2	518.8	523.4	524.7
140°	437.6	453.4	469.2	481.8	487.8	492.4	501.6	508.9	513.5	514.8
142.5°	429.6	445.5	460.0	472.6	477.2	482.5	490.4	497.7	501.6	502.9
145°	421.1	436.3	449.4	460.7	466.0	470.6	477.9	484.5	488.4	489.7
147.5°	409.9	425.1	437.6	448.2	452.8	457.4	464.0	469.9	473.9	475.2
150°	396.1	409.9	423.1	433.0	437.6	442.2	448.8	454.1	458.1	458.7
152.5°	382.2	395.4	406.6	416.5	421.1	425.7	431.6	437.0	441.5	441.5
155°	368.9	380.2	390.7	399.3	403.3	407.3	413.2	417.8	421.8	421.8
157.5°	355.1	365.7	374.3	382.2	385.5	388.7	394.1	398.0	401.3	400.6
160°	341.9	349.8	357.7	364.4	367.6	370.3	374.3	377.5	380.8	380.2
162.5°	327.4	334.7	341.2	345.9	348.5	350.5	354.5	357.7	359.7	359.7
165°	310.9	317.5	323.4	328.0	330.7	332.0	335.3	337.3	339.2	339.2
167.5°	293.7	299.0	304.3	308.2	310.9	312.2	315.5	316.8	319.4	318.8
170°	276.6	280.5	284.5	287.7	289.1	290.4	293.1	294.4	295.7	295.7
172.5°	262.7	264.0	266.0	268.6	268.6	269.3	270.6	271.3	271.9	271.9
175°	254.8	255.5	255.5	255.5	255.5	255.5	256.1	255.5	256.1	255.5
177.5°	251.5	251.5	250.8	250.8	250.1	250.8	250.1	249.5	249.5	248.8
180°	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1

(END OF REPORT)