

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: P395021

Luminaire Tested: **I3-CL-30L930-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395021
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-30L930-1D-UNV-STD-W-4
Description: CORELITE I3, CLEAR TOP COVER
3000 LUMENS
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

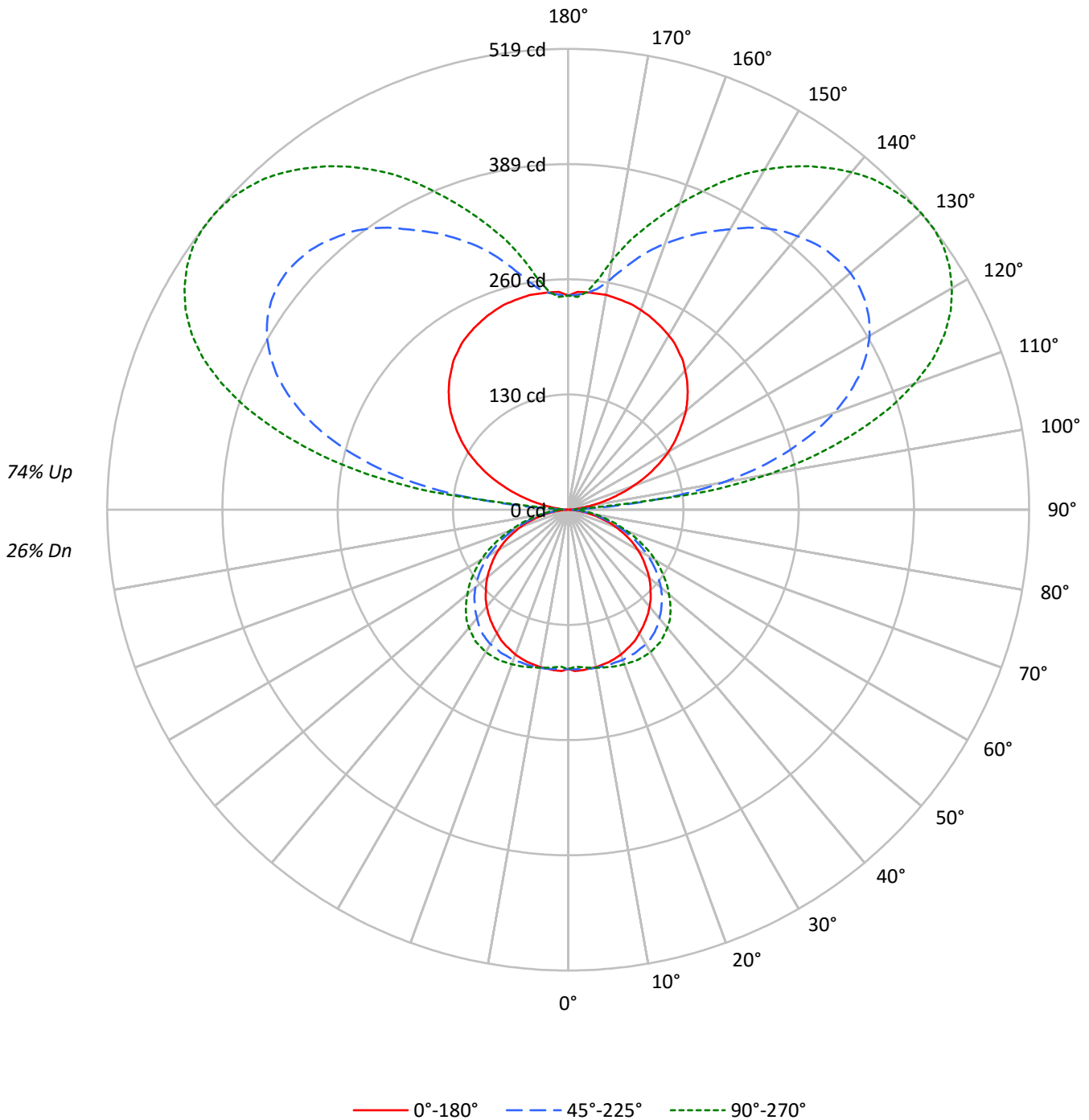
Lumens per Lamp: N/A
Luminaire Lumens: 2364.5 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (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	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°	986	986	986
5°	997	971	955
10°	997	963	953
15°	999	960	958
20°	1001	960	966
25°	999	961	978
30°	994	963	986
35°	991	957	987
40°	987	937	974
45°	977	914	949
50°	968	884	907
55°	949	840	855
60°	926	781	790
65°	888	702	700
70°	824	596	592
75°	711	475	476
80°	553	337	348
85°	322	209	233



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.2	0.7
10°-20°	51.0	2.2
20°-30°	81.8	3.5
30°-40°	104.6	4.4
40°-50°	114.0	4.8
50°-60°	106.9	4.5
60°-70°	82.9	3.5
70°-80°	47.5	2.0
80°-90°	15.2	0.6
90°-100°	61.0	2.6
100°-110°	237.1	10.0
110°-120°	322.8	13.7
120°-130°	335.0	14.2
130°-140°	297.2	12.6
140°-150°	230.6	9.8
150°-160°	153.9	6.5
160°-170°	82.0	3.5
170°-180°	24.0	1.0
0°-30°	149.9	6.3
0°-40°	254.5	10.8
0°-60°	475.4	20.1
0°-90°	621.0	26.3
90°-120°	620.8	26.3
90°-150°	1483.6	62.7
90°-180°	1743.0	73.7
0°-180°	2364.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	179	179	179	179	179	
5°	181	179	180	179	178	17
15°	178	177	181	183	183	50
25°	168	169	178	184	186	77
35°	152	155	169	178	181	95
45°	131	137	149	158	163	101
55°	105	111	121	129	132	94
65°	74	78	85	90	92	73
75°	39	41	45	49	50	41
85°	8	9	13	17	18	9
90°	1	2	4	6	8	1
95°	8	43	59	12	12	10
105°	50	152	258	306	335	54
115°	105	235	363	426	468	103
125°	152	277	408	480	516	136
135°	190	291	412	484	512	147
145°	217	291	387	449	472	136
155°	234	276	343	389	407	108
165°	243	253	291	319	327	69
175°	246	244	245	246	246	23
180°	241	241	241	241	241	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	179.4	179.4	179.4	179.4	179.4	179.4	179.4	179.4	179.4	179.4	179.4
2.5°	181.9	181.4	181.4	180.0	180.0	179.4	179.4	179.4	179.4	179.4	180.0
5°	181.4	181.4	180.7	180.0	180.0	179.4	179.4	179.4	179.4	179.4	180.0
7.5°	180.7	180.7	180.0	179.4	179.4	179.4	179.4	179.4	179.4	179.4	180.7
10°	180.0	180.0	179.4	178.8	178.8	178.8	178.8	179.4	179.4	179.4	180.7
12.5°	178.8	178.1	178.1	177.5	177.5	177.5	178.1	178.1	178.8	179.4	180.7
15°	177.5	177.5	176.9	176.2	176.9	176.9	176.9	177.5	178.1	178.8	180.7
17.5°	175.6	175.6	175.0	175.0	175.0	175.6	175.6	176.2	177.5	178.8	180.0
20°	173.7	173.1	173.1	173.1	173.7	173.7	174.3	175.6	176.2	178.1	180.0
22.5°	170.5	171.1	170.5	170.5	171.1	171.8	172.4	173.7	175.0	176.9	178.8
25°	168.0	168.0	168.0	168.0	169.2	169.2	170.5	171.8	173.7	175.6	178.1
27.5°	164.8	164.8	164.8	165.4	166.1	166.7	167.3	169.2	171.1	173.7	176.2
30°	160.4	160.4	160.4	160.4	162.3	162.8	164.2	166.7	168.6	171.8	175.0
32.5°	156.5	156.5	156.5	157.1	158.4	159.0	160.4	163.5	166.1	169.2	172.4
35°	152.1	152.1	152.7	152.7	154.6	155.2	156.5	159.0	161.6	165.4	169.2
37.5°	147.6	147.6	148.2	148.9	150.1	151.4	152.7	155.2	157.8	160.9	164.8
40°	142.5	142.5	143.2	143.8	145.7	147.0	148.2	150.8	153.3	156.5	159.7
42.5°	137.4	137.4	138.0	138.7	140.6	141.8	143.2	146.3	148.9	152.1	154.6
45°	131.1	131.7	132.4	133.6	135.5	136.8	138.0	140.6	143.8	146.3	148.9
47.5°	125.3	126.0	126.7	127.9	129.8	131.1	132.4	134.9	137.4	139.9	143.2
50°	119.0	119.6	120.3	121.5	123.4	124.7	126.0	128.6	131.1	133.0	136.2
52.5°	112.0	112.6	113.3	114.5	117.1	117.7	119.0	121.5	123.4	126.0	128.6
55°	105.0	105.7	106.2	107.6	109.5	110.7	111.4	113.9	115.8	118.4	120.9
57.5°	98.0	98.6	99.3	100.5	101.8	103.1	103.8	105.7	108.1	110.1	112.6
60°	90.4	91.0	91.6	92.3	94.2	94.8	95.4	97.4	99.3	101.8	103.8
62.5°	82.8	82.8	83.3	84.0	85.9	86.6	87.1	88.5	91.0	92.3	94.2
65°	74.5	74.5	75.1	75.7	77.0	77.6	78.3	79.5	81.4	82.8	84.7
67.5°	65.6	65.6	66.2	66.8	68.1	68.7	68.7	70.6	71.9	73.2	74.5
70°	57.3	57.3	57.9	57.9	58.5	59.2	59.8	61.1	61.8	63.7	64.2
72.5°	48.4	48.4	48.4	48.4	49.6	49.6	50.3	51.5	52.2	53.5	54.7
75°	38.8	38.8	39.4	39.4	40.1	40.8	41.3	42.0	43.2	43.9	44.6
77.5°	30.5	29.9	30.5	31.2	31.8	31.8	32.5	33.1	33.7	35.0	35.6
80°	21.7	21.7	21.7	22.2	22.9	22.9	23.6	24.2	24.8	26.1	26.7
82.5°	14.0	14.0	14.6	14.6	15.3	15.9	15.9	16.5	17.2	18.4	19.1
85°	7.6	7.6	7.6	8.3	8.9	8.9	9.5	10.2	11.5	12.1	13.4
87.5°	2.6	2.6	3.2	3.8	4.5	4.5	5.1	5.7	6.4	7.6	8.3
90°	0.7	0.7	0.7	1.2	1.2	1.9	1.9	2.6	3.2	3.8	4.5
92.5°	2.6	4.5	7.0	10.2	9.5	10.2	7.0	4.5	4.5	4.5	5.1
95°	7.6	11.5	18.4	29.3	38.2	43.2	47.7	52.2	61.1	61.8	59.2
97.5°	15.3	21.0	33.7	47.7	63.7	71.9	78.3	91.6	105.7	114.5	125.3
100°	25.5	33.7	50.3	69.4	87.8	98.6	108.8	127.9	145.1	160.4	176.9
102.5°	37.5	47.1	67.5	91.0	113.9	126.0	136.8	159.0	182.6	202.9	220.8
105°	50.3	61.1	85.2	112.0	138.0	152.1	165.4	189.6	214.4	236.7	257.7
107.5°	64.2	75.7	101.8	131.7	160.9	176.9	191.5	217.6	243.7	267.8	290.2
110°	77.6	90.4	117.7	150.1	183.3	199.1	213.8	242.4	269.8	295.2	318.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	91.6	105.0	132.4	168.0	201.7	218.2	233.5	264.0	292.7	318.8	342.3
115°	105.0	117.7	146.3	183.3	217.6	234.8	251.3	282.5	312.4	338.5	362.7
117.5°	117.7	129.8	159.0	196.0	231.6	248.8	265.4	297.8	327.7	355.1	378.6
120°	130.5	141.3	173.1	206.8	243.0	260.2	277.4	309.8	340.4	367.8	391.9
122.5°	141.8	152.1	183.3	216.3	252.0	269.8	286.3	319.4	350.6	378.0	401.5
125°	152.1	161.6	192.8	223.9	259.6	276.8	294.0	326.4	357.6	384.3	408.5
127.5°	162.3	171.8	199.8	231.6	264.7	282.5	299.0	331.5	362.0	389.4	412.9
130°	173.1	180.0	206.8	238.6	269.8	286.3	303.5	334.7	364.6	391.3	414.8
132.5°	181.9	188.3	213.8	244.4	273.6	289.5	304.8	336.0	365.9	391.3	414.2
135°	190.2	195.3	218.9	249.4	276.8	291.4	306.0	335.3	364.6	390.0	412.3
137.5°	197.9	202.9	223.4	253.2	279.3	292.1	306.0	333.4	361.4	386.9	407.9
140°	204.8	208.7	227.2	255.1	280.6	292.7	304.8	330.3	356.3	381.1	402.1
142.5°	211.9	215.1	230.3	256.4	281.2	292.7	304.1	326.4	350.6	374.7	395.7
145°	217.0	220.1	232.9	257.1	280.6	291.4	301.6	322.6	344.2	366.5	386.9
147.5°	222.7	225.3	235.4	255.8	278.7	288.8	298.4	317.5	337.2	357.6	376.7
150°	226.5	229.1	236.7	254.5	275.5	285.0	294.6	312.4	330.3	348.0	364.6
152.5°	230.3	232.2	238.6	252.6	271.7	280.6	289.5	306.7	323.2	339.1	353.7
155°	233.5	235.4	239.9	251.3	267.3	275.5	283.8	300.3	315.6	329.6	343.0
157.5°	236.7	238.0	241.1	249.4	262.1	269.8	277.4	292.1	306.0	320.0	330.8
160°	239.2	239.9	242.4	248.8	257.7	263.4	270.4	283.8	296.5	308.6	318.8
162.5°	241.8	241.8	243.7	247.5	253.9	257.7	262.8	274.2	285.7	296.5	306.0
165°	243.0	243.0	244.4	246.8	250.7	253.2	256.4	264.0	273.0	282.5	291.4
167.5°	244.4	244.4	244.9	246.3	248.8	250.1	251.3	256.4	262.1	269.2	276.1
170°	245.6	244.9	244.9	246.3	246.8	247.5	248.2	250.7	253.2	257.7	261.5
172.5°	245.6	244.9	244.9	245.6	245.6	245.6	245.6	246.3	246.8	249.4	250.7
175°	245.6	244.9	244.9	244.9	244.9	244.4	244.4	244.4	244.4	244.4	244.9
177.5°	245.6	244.9	244.4	244.4	243.7	243.7	243.0	243.0	242.4	242.4	242.4
180°	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	179.4	179.4	179.4	179.4	179.4	179.4	179.4	179.4	179.4	179.4
2.5°	180.0	180.0	179.4	179.4	178.8	178.8	178.1	177.5	176.9	176.9
5°	180.7	180.0	179.4	179.4	179.4	178.8	178.8	178.8	178.1	178.1
7.5°	180.7	180.7	180.7	180.0	180.0	180.0	180.0	180.0	179.4	179.4
10°	181.4	181.4	181.4	181.4	181.4	181.4	181.4	180.7	180.7	180.7
12.5°	181.4	181.4	181.4	181.9	181.9	181.9	181.9	181.9	181.9	181.9
15°	181.9	181.9	182.6	182.6	183.3	183.3	183.8	183.8	183.8	183.3
17.5°	181.4	181.9	182.6	183.3	183.8	183.8	184.5	184.5	184.5	184.5
20°	181.4	182.6	183.3	183.8	184.5	184.5	185.2	185.8	185.8	185.2
22.5°	180.7	181.9	182.6	183.8	184.5	184.5	185.8	185.8	185.8	185.8
25°	180.0	181.4	182.6	183.8	184.5	184.5	185.8	185.8	186.4	186.4
27.5°	178.8	180.0	181.9	183.3	183.8	184.5	185.2	185.8	185.8	185.8
30°	176.9	178.8	180.7	181.9	182.6	183.3	183.8	184.5	185.2	185.2
32.5°	174.3	176.2	178.1	180.0	180.7	181.4	182.6	183.3	183.3	183.3
35°	171.8	173.7	175.6	177.5	178.1	178.8	180.0	180.7	181.4	181.4
37.5°	168.0	169.9	171.8	173.7	174.3	175.6	176.9	177.5	177.5	177.5
40°	162.3	165.4	168.0	169.9	170.5	171.8	172.4	173.7	173.7	173.7
42.5°	157.1	159.7	161.6	164.2	164.8	166.7	168.0	168.6	169.2	169.2
45°	151.4	154.0	155.9	157.8	158.4	159.7	160.9	161.6	162.3	162.8
47.5°	145.7	147.6	149.5	151.4	152.1	153.3	154.6	155.2	155.9	155.9
50°	138.7	140.6	142.5	144.4	145.1	146.3	147.0	147.6	148.2	148.2
52.5°	131.1	133.0	134.9	136.8	137.4	138.0	139.4	139.9	140.6	140.6
55°	123.4	125.3	126.7	128.6	129.1	129.8	130.5	131.7	132.4	131.7
57.5°	114.5	116.4	117.7	119.6	120.3	120.9	121.5	122.2	122.8	122.8
60°	105.0	106.9	108.8	110.1	110.7	111.4	112.0	112.6	113.3	113.3
62.5°	95.4	97.4	98.6	100.5	101.2	101.2	101.8	102.4	103.1	103.1
65°	85.9	87.8	88.5	90.4	90.4	91.0	91.6	92.3	92.3	92.3
67.5°	75.7	77.6	78.3	79.5	79.5	80.2	80.8	81.4	81.4	81.4
70°	66.2	66.8	68.1	68.7	69.4	69.4	70.0	70.6	71.3	70.6
72.5°	56.0	56.6	57.9	58.5	58.5	59.2	59.2	59.8	60.4	60.4
75°	45.8	47.1	47.7	48.4	49.0	49.0	49.6	50.3	50.3	50.3
77.5°	36.3	37.5	38.2	38.8	39.4	39.4	40.1	40.1	40.8	40.1
80°	28.0	28.6	29.3	29.9	30.5	30.5	31.2	31.8	31.8	31.8
82.5°	20.3	21.0	22.2	22.9	22.9	22.9	24.2	24.2	24.8	24.2
85°	14.0	14.6	15.9	16.5	17.2	17.2	17.2	17.8	18.4	17.8
87.5°	8.9	10.2	10.8	11.5	11.5	11.5	12.1	12.7	12.7	12.7
90°	5.1	5.1	5.7	6.4	6.4	7.0	7.0	7.6	7.6	7.6
92.5°	5.1	5.7	5.7	5.7	6.4	6.4	6.4	7.0	7.0	7.0
95°	43.2	31.2	17.8	14.0	12.1	12.1	11.5	12.1	11.5	11.5
97.5°	131.1	141.8	147.0	154.0	157.8	157.1	154.6	157.1	155.2	157.1
100°	186.4	196.6	204.3	206.2	210.0	211.9	218.9	223.9	226.5	229.7
102.5°	231.6	243.7	252.6	257.7	261.5	264.0	272.3	280.0	283.8	286.3
105°	273.0	285.7	296.5	301.6	306.0	308.6	317.5	326.4	332.2	335.3
107.5°	306.0	320.7	332.2	339.8	344.2	348.7	359.5	368.4	375.4	378.6
110°	336.0	350.6	362.7	371.6	376.7	381.1	393.3	403.4	411.0	414.8



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CATALOG NUMBER: I3-CL-30L930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	360.8	376.7	388.8	398.3	403.4	409.8	421.2	432.7	440.3	444.7
115°	381.1	397.7	410.4	420.6	426.3	432.0	445.4	456.8	464.5	467.6
117.5°	398.3	414.8	428.2	438.4	444.7	451.1	464.5	474.7	482.9	485.5
120°	412.3	428.9	442.2	453.7	460.0	465.7	478.5	489.3	496.9	498.8
122.5°	421.8	439.0	453.0	465.7	471.4	477.2	489.3	500.1	507.1	509.0
125°	428.9	446.6	460.6	474.0	479.7	485.5	496.9	507.7	513.4	516.0
127.5°	433.3	451.1	466.4	479.1	485.5	490.5	502.0	511.5	517.3	519.2
130°	434.6	453.0	468.3	481.6	487.4	492.4	503.3	512.9	517.9	519.2
132.5°	434.6	452.4	468.3	481.0	486.7	491.9	502.0	510.9	516.0	517.3
135°	432.0	449.2	465.1	477.8	483.6	488.6	498.8	506.5	511.5	512.2
137.5°	427.5	444.1	459.4	472.1	477.8	482.9	491.9	500.1	504.6	505.8
140°	421.8	437.1	452.4	464.5	470.2	474.7	483.6	490.5	495.0	496.3
142.5°	414.2	429.4	443.5	455.6	460.0	465.1	472.8	479.7	483.6	484.8
145°	406.0	420.6	433.3	444.1	449.2	453.7	460.6	467.0	470.9	472.1
147.5°	395.2	409.8	421.8	432.0	436.5	440.9	447.3	453.0	456.8	458.1
150°	381.8	395.2	407.9	417.4	421.8	426.3	432.7	437.7	441.6	442.2
152.5°	368.4	381.1	391.9	401.5	406.0	410.4	416.1	421.2	425.6	425.6
155°	355.7	366.5	376.7	385.0	388.8	392.6	398.3	402.8	406.6	406.6
157.5°	342.3	352.5	360.8	368.4	371.6	374.7	379.9	383.7	386.9	386.2
160°	329.6	337.2	344.9	351.3	354.4	357.0	360.8	364.0	367.1	366.5
162.5°	315.6	322.6	328.9	333.4	336.0	337.9	341.7	344.9	346.8	346.8
165°	299.7	306.0	311.7	316.2	318.8	320.0	323.2	325.1	327.0	327.0
167.5°	283.1	288.3	293.3	297.1	299.7	301.0	304.1	305.4	307.9	307.3
170°	266.6	270.4	274.2	277.4	278.7	280.0	282.5	283.8	285.0	285.0
172.5°	253.2	254.5	256.4	259.0	259.0	259.6	260.9	261.5	262.1	262.1
175°	245.6	246.3	246.3	246.3	246.3	246.3	246.8	246.3	246.8	246.3
177.5°	242.4	242.4	241.8	241.8	241.1	241.8	241.1	240.5	240.5	239.9
180°	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1

(END OF REPORT)