

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: P395023

Luminaire Tested: **I3-CL-30L940-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395023
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-30L940-1D-UNV-STD-W-4
Description: CORELITE I3, CLEAR TOP COVER
3000 LUMENS
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

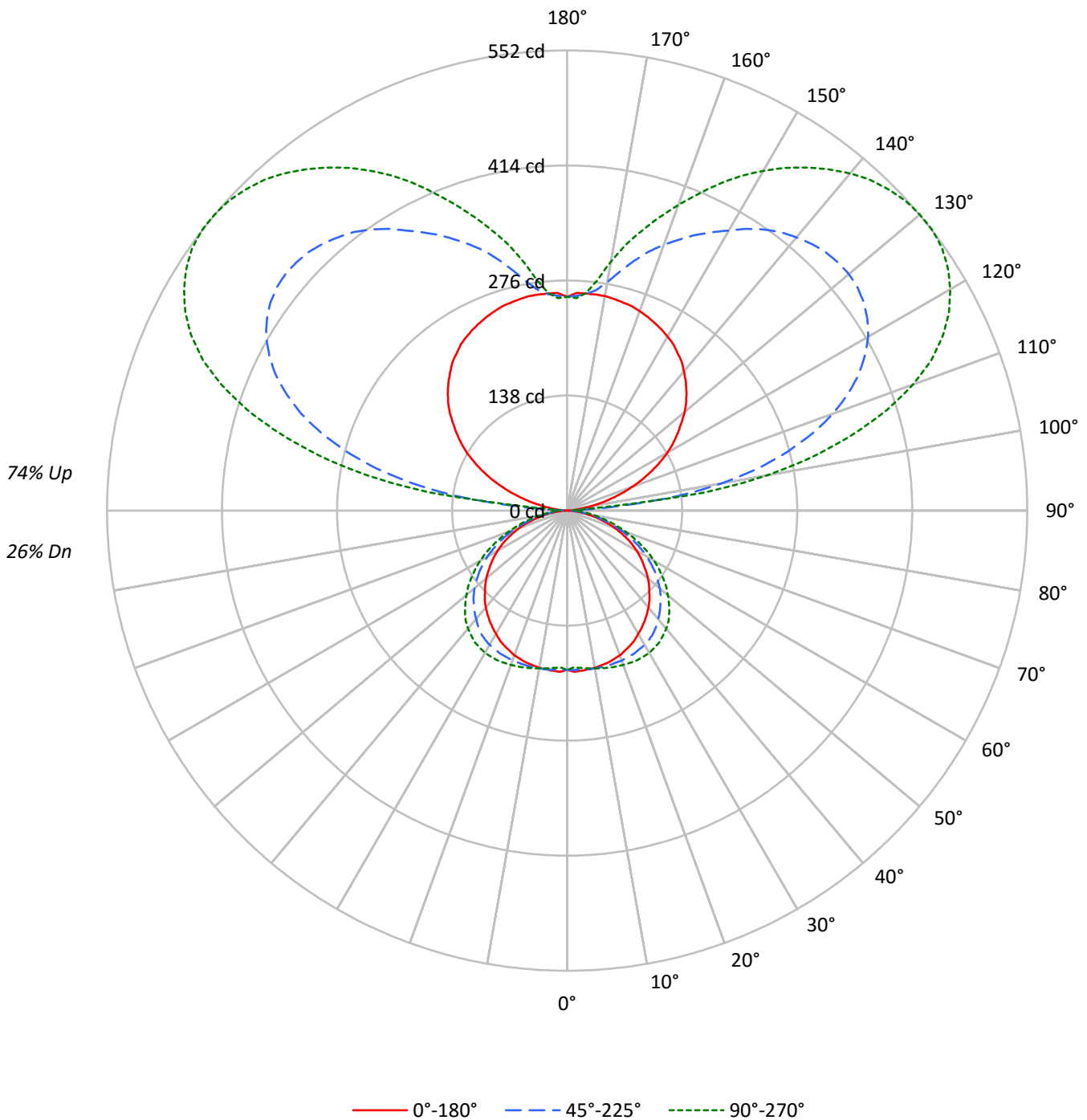
Lumens per Lamp: N/A
Luminaire Lumens: 2515.4 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

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°	1049	1049	1049
5°	1060	1033	1016
10°	1061	1025	1013
15°	1063	1021	1019
20°	1064	1021	1028
25°	1063	1023	1041
30°	1057	1024	1049
35°	1054	1018	1049
40°	1050	997	1036
45°	1039	973	1010
50°	1030	941	965
55°	1009	894	910
60°	985	831	840
65°	944	746	745
70°	876	634	630
75°	757	505	506
80°	586	359	370
85°	344	222	249



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.3	0.7
10°-20°	54.3	2.2
20°-30°	87.0	3.5
30°-40°	111.3	4.4
40°-50°	121.3	4.8
50°-60°	113.7	4.5
60°-70°	88.2	3.5
70°-80°	50.5	2.0
80°-90°	16.2	0.6
90°-100°	64.9	2.6
100°-110°	252.2	10.0
110°-120°	343.4	13.6
120°-130°	356.4	14.2
130°-140°	316.1	12.6
140°-150°	245.3	9.8
150°-160°	163.7	6.5
160°-170°	87.3	3.5
170°-180°	25.5	1.0
0°-30°	159.5	6.3
0°-40°	270.8	10.8
0°-60°	505.8	20.1
0°-90°	660.7	26.3
90°-120°	660.4	26.3
90°-150°	1578.3	62.7
90°-180°	1855.0	73.7
0°-180°	2515.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	191	191	191	191	191	
5°	193	191	192	191	190	18
15°	189	188	192	195	195	53
25°	179	180	190	196	198	82
35°	162	165	180	190	193	101
45°	139	146	158	169	173	108
55°	112	118	129	137	140	100
65°	79	83	90	96	98	78
75°	41	43	47	52	54	44
85°	8	9	14	18	19	10
90°	1	2	5	7	8	1
95°	8	46	63	13	12	11
105°	54	162	274	326	357	57
115°	112	250	386	454	498	110
125°	162	294	435	510	549	145
135°	202	310	439	514	545	156
145°	231	310	412	478	502	145
155°	248	293	365	414	433	115
165°	258	269	310	339	348	73
175°	261	260	261	262	262	25
180°	256	256	256	256	256	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	190.9	190.9	190.9	190.9	190.9	190.9	190.9	190.9	190.9	190.9	190.9
2.5°	193.6	192.9	192.9	191.5	191.5	190.9	190.9	190.9	190.9	190.9	191.5
5°	192.9	192.9	192.2	191.5	191.5	190.9	190.9	190.9	190.9	190.9	191.5
7.5°	192.2	192.2	191.5	190.9	190.9	190.9	190.9	190.9	190.9	190.9	192.2
10°	191.5	191.5	190.9	190.2	190.2	190.2	190.2	190.9	190.9	190.9	192.2
12.5°	190.2	189.5	189.5	188.9	188.9	188.9	189.5	189.5	190.2	190.9	192.2
15°	188.9	188.9	188.2	187.5	188.2	188.2	188.2	188.9	189.5	190.2	192.2
17.5°	186.8	186.8	186.1	186.1	186.1	186.8	186.8	187.5	188.9	190.2	191.5
20°	184.8	184.1	184.1	184.1	184.8	184.8	185.4	186.8	187.5	189.5	191.5
22.5°	181.4	182.1	181.4	181.4	182.1	182.8	183.4	184.8	186.1	188.2	190.2
25°	178.7	178.7	178.7	178.7	180.0	180.0	181.4	182.8	184.8	186.8	189.5
27.5°	175.3	175.3	175.3	176.0	176.7	177.3	178.0	180.0	182.1	184.8	187.5
30°	170.6	170.6	170.6	170.6	172.6	173.2	174.7	177.3	179.3	182.8	186.1
32.5°	166.5	166.5	166.5	167.2	168.6	169.2	170.6	174.0	176.7	180.0	183.4
35°	161.8	161.8	162.5	162.5	164.5	165.1	166.5	169.2	171.9	176.0	180.0
37.5°	157.0	157.0	157.7	158.4	159.7	161.1	162.5	165.1	167.9	171.2	175.3
40°	151.6	151.6	152.3	152.9	155.0	156.4	157.7	160.4	163.1	166.5	169.9
42.5°	146.2	146.2	146.8	147.5	149.6	150.9	152.3	155.7	158.4	161.8	164.5
45°	139.4	140.1	140.8	142.2	144.2	145.5	146.8	149.6	152.9	155.7	158.4
47.5°	133.3	134.0	134.7	136.1	138.1	139.4	140.8	143.5	146.2	148.9	152.3
50°	126.6	127.2	127.9	129.3	131.3	132.7	134.0	136.8	139.4	141.5	144.9
52.5°	119.1	119.8	120.5	121.9	124.6	125.2	126.6	129.3	131.3	134.0	136.8
55°	111.7	112.4	113.0	114.4	116.5	117.8	118.5	121.1	123.2	125.9	128.7
57.5°	104.3	104.9	105.6	106.9	108.3	109.7	110.4	112.4	115.1	117.1	119.8
60°	96.2	96.8	97.5	98.2	100.2	100.8	101.5	103.6	105.6	108.3	110.4
62.5°	88.0	88.0	88.7	89.4	91.4	92.1	92.7	94.1	96.8	98.2	100.2
65°	79.2	79.2	79.9	80.5	81.9	82.6	83.3	84.6	86.6	88.0	90.1
67.5°	69.8	69.8	70.4	71.1	72.4	73.1	73.1	75.1	76.5	77.9	79.2
70°	60.9	60.9	61.6	61.6	62.3	63.0	63.7	65.0	65.7	67.7	68.3
72.5°	51.5	51.5	51.5	51.5	52.8	52.8	53.5	54.8	55.5	56.9	58.2
75°	41.3	41.3	41.9	41.9	42.6	43.4	44.0	44.7	46.0	46.7	47.4
77.5°	32.5	31.8	32.5	33.2	33.8	33.8	34.5	35.2	35.8	37.3	37.9
80°	23.0	23.0	23.0	23.7	24.4	24.4	25.1	25.7	26.4	27.7	28.4
82.5°	14.9	14.9	15.5	15.5	16.2	17.0	17.0	17.6	18.3	19.6	20.3
85°	8.1	8.1	8.1	8.8	9.4	9.4	10.2	10.9	12.2	12.9	14.2
87.5°	2.7	2.7	3.4	4.1	4.8	4.8	5.4	6.1	6.8	8.1	8.8
90°	0.7	0.7	0.7	1.3	1.3	2.0	2.0	2.7	3.4	4.1	4.8
92.5°	2.7	4.8	7.4	10.9	10.2	10.9	7.4	4.8	4.8	4.8	5.4
95°	8.1	12.2	19.6	31.2	40.6	46.0	50.8	55.5	65.0	65.7	63.0
97.5°	16.2	22.3	35.8	50.8	67.7	76.5	83.3	97.5	112.4	121.9	133.3
100°	27.1	35.8	53.5	73.8	93.4	104.9	115.8	136.1	154.3	170.6	188.2
102.5°	39.9	50.1	71.8	96.8	121.1	134.0	145.5	169.2	194.3	215.9	234.9
105°	53.5	65.0	90.7	119.1	146.8	161.8	176.0	201.7	228.1	251.8	274.2
107.5°	68.3	80.5	108.3	140.1	171.2	188.2	203.7	231.5	259.2	284.9	308.7
110°	82.6	96.2	125.2	159.7	195.0	211.8	227.5	257.9	287.0	314.1	339.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	97.5	111.7	140.8	178.7	214.6	232.1	248.4	280.9	311.3	339.2	364.1
115°	111.7	125.2	155.7	195.0	231.5	249.8	267.4	300.6	332.4	360.1	385.9
117.5°	125.2	138.1	169.2	208.5	246.4	264.6	282.3	316.8	348.6	377.7	402.7
120°	138.8	150.3	184.1	220.0	258.5	276.8	295.1	329.6	362.1	391.3	417.0
122.5°	150.9	161.8	195.0	230.1	268.1	287.0	304.6	339.8	373.0	402.1	427.1
125°	161.8	171.9	205.1	238.2	276.2	294.5	312.8	347.3	380.4	408.8	434.6
127.5°	172.6	182.8	212.5	246.4	281.6	300.6	318.1	352.7	385.2	414.3	439.3
130°	184.1	191.5	220.0	253.9	287.0	304.6	322.9	356.0	387.9	416.3	441.3
132.5°	193.6	200.4	227.5	260.0	291.0	308.0	324.2	357.4	389.2	416.3	440.6
135°	202.4	207.8	232.8	265.3	294.5	310.0	325.6	356.7	387.9	414.9	438.6
137.5°	210.5	215.9	237.6	269.4	297.1	310.7	325.6	354.7	384.5	411.6	433.9
140°	217.9	222.0	241.7	271.4	298.5	311.3	324.2	351.3	379.1	405.5	427.8
142.5°	225.4	228.8	245.0	272.8	299.2	311.3	323.5	347.3	373.0	398.7	421.0
145°	230.8	234.2	247.8	273.5	298.5	310.0	320.9	343.2	366.2	389.9	411.6
147.5°	236.9	239.6	250.4	272.1	296.5	307.3	317.4	337.7	358.8	380.4	400.7
150°	241.0	243.7	251.8	270.7	293.1	303.2	313.4	332.4	351.3	370.2	387.9
152.5°	245.0	247.1	253.9	268.7	289.0	298.5	308.0	326.3	343.8	360.8	376.3
155°	248.4	250.4	255.2	267.4	284.3	293.1	301.9	319.5	335.7	350.6	364.9
157.5°	251.8	253.2	256.5	265.3	278.9	287.0	295.1	310.7	325.6	340.5	352.0
160°	254.5	255.2	257.9	264.6	274.2	280.3	287.7	301.9	315.4	328.3	339.2
162.5°	257.2	257.2	259.2	263.3	270.1	274.2	279.6	291.7	303.9	315.4	325.6
165°	258.5	258.5	260.0	262.6	266.7	269.4	272.8	280.9	290.4	300.6	310.0
167.5°	260.0	260.0	260.6	262.0	264.6	266.0	267.4	272.8	278.9	286.4	293.8
170°	261.3	260.6	260.6	262.0	262.6	263.3	264.0	266.7	269.4	274.2	278.2
172.5°	261.3	260.6	260.6	261.3	261.3	261.3	261.3	262.0	262.6	265.3	266.7
175°	261.3	260.6	260.6	260.6	260.6	260.0	260.0	260.0	260.0	260.0	260.6
177.5°	261.3	260.6	260.0	260.0	259.2	259.2	258.5	258.5	257.9	257.9	257.9
180°	256.5	256.5	256.5	256.5	256.5	256.5	256.5	256.5	256.5	256.5	256.5



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	190.9	190.9	190.9	190.9	190.9	190.9	190.9	190.9	190.9	190.9
2.5°	191.5	191.5	190.9	190.9	190.2	190.2	189.5	188.9	188.2	188.2
5°	192.2	191.5	190.9	190.9	190.9	190.2	190.2	190.2	189.5	189.5
7.5°	192.2	192.2	192.2	191.5	191.5	191.5	191.5	191.5	190.9	190.9
10°	192.9	192.9	192.9	192.9	192.9	192.9	192.9	192.2	192.2	192.2
12.5°	192.9	192.9	192.9	193.6	193.6	193.6	193.6	193.6	193.6	193.6
15°	193.6	193.6	194.3	194.3	195.0	195.0	195.6	195.6	195.6	195.0
17.5°	192.9	193.6	194.3	195.0	195.6	195.6	196.3	196.3	196.3	196.3
20°	192.9	194.3	195.0	195.6	196.3	196.3	197.0	197.6	197.6	197.0
22.5°	192.2	193.6	194.3	195.6	196.3	196.3	197.6	197.6	197.6	197.6
25°	191.5	192.9	194.3	195.6	196.3	196.3	197.6	197.6	198.3	198.3
27.5°	190.2	191.5	193.6	195.0	195.6	196.3	197.0	197.6	197.6	197.6
30°	188.2	190.2	192.2	193.6	194.3	195.0	195.6	196.3	197.0	197.0
32.5°	185.4	187.5	189.5	191.5	192.2	192.9	194.3	195.0	195.0	195.0
35°	182.8	184.8	186.8	188.9	189.5	190.2	191.5	192.2	192.9	192.9
37.5°	178.7	180.8	182.8	184.8	185.4	186.8	188.2	188.9	188.9	188.9
40°	172.6	176.0	178.7	180.8	181.4	182.8	183.4	184.8	184.8	184.8
42.5°	167.2	169.9	171.9	174.7	175.3	177.3	178.7	179.3	180.0	180.0
45°	161.1	163.8	165.8	167.9	168.6	169.9	171.2	171.9	172.6	173.2
47.5°	155.0	157.0	159.0	161.1	161.8	163.1	164.5	165.1	165.8	165.8
50°	147.5	149.6	151.6	153.6	154.3	155.7	156.4	157.0	157.7	157.7
52.5°	139.4	141.5	143.5	145.5	146.2	146.8	148.3	148.9	149.6	149.6
55°	131.3	133.3	134.7	136.8	137.4	138.1	138.8	140.1	140.8	140.1
57.5°	121.9	123.9	125.2	127.2	127.9	128.7	129.3	130.0	130.7	130.7
60°	111.7	113.7	115.8	117.1	117.8	118.5	119.1	119.8	120.5	120.5
62.5°	101.5	103.6	104.9	106.9	107.6	107.6	108.3	109.0	109.7	109.7
65°	91.4	93.4	94.1	96.2	96.2	96.8	97.5	98.2	98.2	98.2
67.5°	80.5	82.6	83.3	84.6	84.6	85.3	86.0	86.6	86.6	86.6
70°	70.4	71.1	72.4	73.1	73.8	73.8	74.4	75.1	75.8	75.1
72.5°	59.6	60.2	61.6	62.3	62.3	63.0	63.0	63.7	64.3	64.3
75°	48.7	50.1	50.8	51.5	52.1	52.1	52.8	53.5	53.5	53.5
77.5°	38.6	39.9	40.6	41.3	41.9	41.9	42.6	42.6	43.4	42.6
80°	29.8	30.5	31.2	31.8	32.5	32.5	33.2	33.8	33.8	33.8
82.5°	21.6	22.3	23.7	24.4	24.4	24.4	25.7	25.7	26.4	25.7
85°	14.9	15.5	17.0	17.6	18.3	18.3	18.3	19.0	19.6	19.0
87.5°	9.4	10.9	11.5	12.2	12.2	12.2	12.9	13.5	13.5	13.5
90°	5.4	5.4	6.1	6.8	6.8	7.4	7.4	8.1	8.1	8.1
92.5°	5.4	6.1	6.1	6.1	6.8	6.8	6.8	7.4	7.4	7.4
95°	46.0	33.2	19.0	14.9	12.9	12.9	12.2	12.9	12.2	12.2
97.5°	139.4	150.9	156.4	163.8	167.9	167.2	164.5	167.2	165.1	167.2
100°	198.3	209.2	217.3	219.3	223.4	225.4	232.8	238.2	241.0	244.3
102.5°	246.4	259.2	268.7	274.2	278.2	280.9	289.7	297.8	301.9	304.6
105°	290.4	303.9	315.4	320.9	325.6	328.3	337.7	347.3	353.4	356.7
107.5°	325.6	341.2	353.4	361.5	366.2	370.9	382.4	392.0	399.4	402.7
110°	357.4	373.0	385.9	395.3	400.7	405.5	418.4	429.1	437.3	441.3



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CATALOG NUMBER: I3-CL-30L940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	383.8	400.7	413.6	423.8	429.1	435.9	448.1	460.3	468.4	473.1
115°	405.5	423.0	436.6	447.4	453.5	459.6	473.8	486.0	494.1	497.5
117.5°	423.8	441.3	455.5	466.4	473.1	479.9	494.1	505.0	513.7	516.5
120°	438.6	456.2	470.5	482.6	489.4	495.5	509.0	520.5	528.7	530.7
122.5°	448.7	467.0	481.9	495.5	501.5	507.6	520.5	532.0	539.5	541.5
125°	456.2	475.1	490.1	504.3	510.4	516.5	528.7	540.1	546.2	549.0
127.5°	460.9	479.9	496.2	509.7	516.5	521.9	534.0	544.2	550.3	552.3
130°	462.3	481.9	498.2	512.4	518.5	523.9	535.5	545.6	551.0	552.3
132.5°	462.3	481.2	498.2	511.7	517.8	523.3	534.0	543.6	549.0	550.3
135°	459.6	477.9	494.8	508.3	514.4	519.8	530.7	538.8	544.2	544.9
137.5°	454.8	472.5	488.7	502.3	508.3	513.7	523.3	532.0	536.8	538.1
140°	448.7	465.0	481.2	494.1	500.2	505.0	514.4	521.9	526.6	527.9
142.5°	440.6	456.9	471.8	484.7	489.4	494.8	503.0	510.4	514.4	515.8
145°	431.9	447.4	460.9	472.5	477.9	482.6	490.1	496.9	500.9	502.3
147.5°	420.4	435.9	448.7	459.6	464.4	469.0	475.8	481.9	486.0	487.3
150°	406.2	420.4	433.9	444.1	448.7	453.5	460.3	465.7	469.8	470.5
152.5°	392.0	405.5	417.0	427.1	431.9	436.6	442.6	448.1	452.8	452.8
155°	378.4	389.9	400.7	409.5	413.6	417.7	423.8	428.5	432.6	432.6
157.5°	364.1	375.0	383.8	392.0	395.3	398.7	404.1	408.2	411.6	410.9
160°	350.6	358.8	366.9	373.7	377.0	379.8	383.8	387.2	390.6	389.9
162.5°	335.7	343.2	349.9	354.7	357.4	359.5	363.5	366.9	368.9	368.9
165°	318.9	325.6	331.7	336.4	339.2	340.5	343.8	345.9	347.9	347.9
167.5°	301.2	306.7	312.1	316.1	318.9	320.2	323.5	324.9	327.6	327.0
170°	283.6	287.7	291.7	295.1	296.5	297.8	300.6	301.9	303.2	303.2
172.5°	269.4	270.7	272.8	275.5	275.5	276.2	277.5	278.2	278.9	278.9
175°	261.3	262.0	262.0	262.0	262.0	262.0	262.6	262.0	262.6	262.0
177.5°	257.9	257.9	257.2	257.2	256.5	257.2	256.5	255.9	255.9	255.2
180°	256.5	256.5	256.5	256.5	256.5	256.5	256.5	256.5	256.5	256.5

(END OF REPORT)