

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: P395018

Luminaire Tested: **I3-CL-20L930-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395018
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-20L930-1D-UNV-STD-W-4
Description: CORELITE I3, CLEAR TOP COVER
2000 LUMENS
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

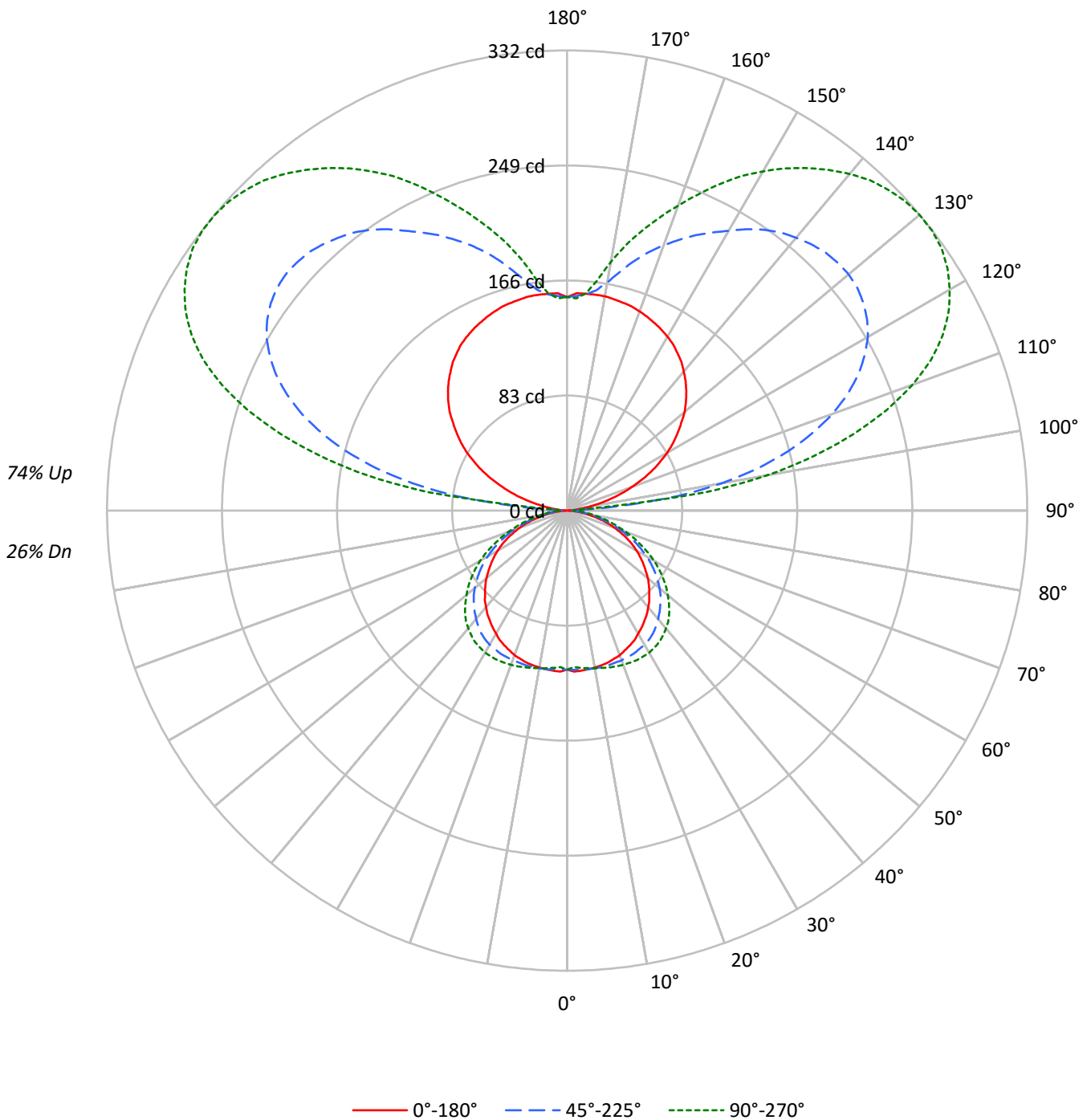
Lumens per Lamp: N/A
Luminaire Lumens: 1511.0 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 12.8
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°	630	630	630
5°	637	620	611
10°	637	616	609
15°	639	614	612
20°	639	613	618
25°	638	615	625
30°	635	615	630
35°	633	612	631
40°	631	599	622
45°	624	584	607
50°	619	565	580
55°	606	537	547
60°	592	499	505
65°	567	448	447
70°	527	382	379
75°	454	304	304
80°	354	216	222
85°	208	133	149



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.0	0.7
10°-20°	32.6	2.2
20°-30°	52.3	3.5
30°-40°	66.8	4.4
40°-50°	72.9	4.8
50°-60°	68.3	4.5
60°-70°	53.0	3.5
70°-80°	30.4	2.0
80°-90°	9.7	0.6
90°-100°	39.0	2.6
100°-110°	151.5	10.0
110°-120°	206.3	13.6
120°-130°	214.1	14.2
130°-140°	189.9	12.6
140°-150°	147.4	9.8
150°-160°	98.3	6.5
160°-170°	52.4	3.5
170°-180°	15.3	1.0
0°-30°	95.8	6.3
0°-40°	162.7	10.8
0°-60°	303.8	20.1
0°-90°	396.9	26.3
90°-120°	396.7	26.3
90°-150°	948.1	62.7
90°-180°	1114.0	73.7
0°-180°	1511.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	115	115	115	115	115	
5°	116	115	115	115	114	11
15°	114	113	116	117	117	32
25°	107	108	114	118	119	49
35°	97	99	108	114	116	61
45°	84	87	95	101	104	65
55°	67	71	77	82	84	60
65°	48	50	54	58	59	47
75°	25	26	28	31	32	26
85°	5	6	8	11	11	6
90°	0	1	3	4	5	1
95°	5	28	38	8	7	6
105°	32	97	165	196	214	34
115°	67	150	232	272	299	66
125°	97	177	261	307	330	87
135°	122	186	264	309	327	94
145°	139	186	247	287	302	87
155°	149	176	219	248	260	69
165°	155	162	186	204	209	44
175°	157	156	156	157	157	15
180°	154	154	154	154	154	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7
2.5°	116.3	115.9	115.9	115.0	115.0	114.7	114.7	114.7	114.7	114.7	115.0
5°	115.9	115.9	115.5	115.0	115.0	114.7	114.7	114.7	114.7	114.7	115.0
7.5°	115.5	115.5	115.0	114.7	114.7	114.7	114.7	114.7	114.7	114.7	115.5
10°	115.0	115.0	114.7	114.3	114.3	114.3	114.3	114.7	114.7	114.7	115.5
12.5°	114.3	113.9	113.9	113.5	113.5	113.5	113.9	113.9	114.3	114.7	115.5
15°	113.5	113.5	113.0	112.6	113.0	113.0	113.0	113.5	113.9	114.3	115.5
17.5°	112.2	112.2	111.8	111.8	111.8	112.2	112.2	112.6	113.5	114.3	115.0
20°	111.0	110.6	110.6	110.6	111.0	111.0	111.4	112.2	112.6	113.9	115.0
22.5°	109.0	109.4	109.0	109.0	109.4	109.8	110.2	111.0	111.8	113.0	114.3
25°	107.3	107.3	107.3	107.3	108.1	108.1	109.0	109.8	111.0	112.2	113.9
27.5°	105.3	105.3	105.3	105.7	106.2	106.6	106.9	108.1	109.4	111.0	112.6
30°	102.5	102.5	102.5	102.5	103.7	104.1	104.9	106.6	107.7	109.8	111.8
32.5°	100.0	100.0	100.0	100.4	101.3	101.7	102.5	104.5	106.2	108.1	110.2
35°	97.2	97.2	97.6	97.6	98.8	99.2	100.0	101.7	103.3	105.7	108.1
37.5°	94.4	94.4	94.7	95.1	95.9	96.8	97.6	99.2	100.8	102.8	105.3
40°	91.1	91.1	91.5	91.9	93.1	94.0	94.7	96.4	98.0	100.0	102.1
42.5°	87.8	87.8	88.2	88.6	89.9	90.6	91.5	93.5	95.1	97.2	98.8
45°	83.7	84.2	84.6	85.4	86.6	87.4	88.2	89.9	91.9	93.5	95.1
47.5°	80.1	80.5	80.9	81.8	82.9	83.7	84.6	86.2	87.8	89.5	91.5
50°	76.0	76.4	76.9	77.7	78.8	79.7	80.5	82.2	83.7	85.0	87.0
52.5°	71.5	72.0	72.4	73.2	74.8	75.2	76.0	77.7	78.8	80.5	82.2
55°	67.1	67.5	67.9	68.7	70.0	70.7	71.1	72.8	74.0	75.6	77.3
57.5°	62.6	63.0	63.4	64.2	65.1	65.9	66.3	67.5	69.1	70.4	72.0
60°	57.8	58.2	58.5	58.9	60.2	60.6	61.0	62.2	63.4	65.1	66.3
62.5°	52.9	52.9	53.3	53.7	54.9	55.3	55.7	56.5	58.2	58.9	60.2
65°	47.6	47.6	48.0	48.4	49.2	49.6	50.0	50.8	52.0	52.9	54.1
67.5°	41.9	41.9	42.2	42.7	43.5	43.9	43.9	45.2	46.0	46.7	47.6
70°	36.6	36.6	37.0	37.0	37.4	37.8	38.3	39.0	39.4	40.7	41.1
72.5°	30.9	30.9	30.9	30.9	31.7	31.7	32.1	33.0	33.4	34.2	34.9
75°	24.8	24.8	25.2	25.2	25.6	26.1	26.4	26.8	27.6	28.1	28.5
77.5°	19.5	19.1	19.5	19.9	20.3	20.3	20.8	21.2	21.6	22.3	22.7
80°	13.9	13.9	13.9	14.2	14.6	14.6	15.0	15.4	15.9	16.7	17.1
82.5°	9.0	9.0	9.4	9.4	9.8	10.1	10.1	10.5	11.0	11.8	12.2
85°	4.9	4.9	4.9	5.3	5.7	5.7	6.1	6.5	7.3	7.7	8.5
87.5°	1.7	1.7	2.0	2.4	2.8	2.8	3.2	3.7	4.1	4.9	5.3
90°	0.4	0.4	0.4	0.8	0.8	1.2	1.2	1.7	2.0	2.4	2.8
92.5°	1.7	2.8	4.5	6.5	6.1	6.5	4.5	2.8	2.8	2.8	3.2
95°	4.9	7.3	11.8	18.7	24.4	27.6	30.5	33.4	39.0	39.4	37.8
97.5°	9.8	13.4	21.6	30.5	40.7	46.0	50.0	58.5	67.5	73.2	80.1
100°	16.3	21.6	32.1	44.3	56.1	63.0	69.6	81.8	92.7	102.5	113.0
102.5°	24.0	30.1	43.1	58.2	72.8	80.5	87.4	101.7	116.7	129.7	141.1
105°	32.1	39.0	54.4	71.5	88.2	97.2	105.7	121.2	137.0	151.2	164.7
107.5°	41.1	48.4	65.1	84.2	102.8	113.0	122.4	139.0	155.7	171.1	185.4
110°	49.6	57.8	75.2	95.9	117.1	127.2	136.6	155.0	172.4	188.7	203.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	58.5	67.1	84.6	107.3	128.9	139.4	149.2	168.7	187.1	203.7	218.8
115°	67.1	75.2	93.5	117.1	139.0	150.1	160.6	180.5	199.6	216.3	231.7
117.5°	75.2	82.9	101.7	125.2	148.0	158.9	169.6	190.3	209.4	226.9	241.9
120°	83.3	90.3	110.6	132.1	155.3	166.3	177.3	198.0	217.5	235.1	250.5
122.5°	90.6	97.2	117.1	138.3	161.0	172.4	183.0	204.1	224.0	241.5	256.6
125°	97.2	103.3	123.2	143.1	165.9	176.9	187.8	208.6	228.5	245.6	261.0
127.5°	103.7	109.8	127.7	148.0	169.2	180.5	191.1	211.8	231.4	248.8	263.9
130°	110.6	115.0	132.1	152.5	172.4	183.0	194.0	213.9	233.0	250.1	265.1
132.5°	116.3	120.4	136.6	156.1	174.9	185.0	194.8	214.7	233.8	250.1	264.7
135°	121.6	124.8	139.9	159.4	176.9	186.3	195.5	214.3	233.0	249.2	263.5
137.5°	126.5	129.7	142.8	161.8	178.5	186.7	195.5	213.1	231.0	247.3	260.6
140°	130.9	133.4	145.2	163.0	179.3	187.1	194.8	211.1	227.7	243.5	257.0
142.5°	135.4	137.4	147.2	163.8	179.7	187.1	194.4	208.6	224.0	239.5	252.9
145°	138.7	140.7	148.8	164.3	179.3	186.3	192.7	206.2	220.0	234.2	247.3
147.5°	142.3	143.9	150.5	163.4	178.1	184.6	190.7	202.9	215.5	228.5	240.7
150°	144.8	146.4	151.2	162.7	176.0	182.2	188.2	199.6	211.1	222.4	233.0
152.5°	147.2	148.4	152.5	161.4	173.6	179.3	185.0	196.0	206.6	216.7	226.1
155°	149.2	150.5	153.3	160.6	170.8	176.0	181.4	191.9	201.7	210.7	219.2
157.5°	151.2	152.1	154.1	159.4	167.5	172.4	177.3	186.7	195.5	204.5	211.4
160°	152.9	153.3	155.0	158.9	164.7	168.3	172.8	181.4	189.5	197.2	203.7
162.5°	154.5	154.5	155.7	158.2	162.3	164.7	167.9	175.2	182.6	189.5	195.5
165°	155.3	155.3	156.1	157.8	160.2	161.8	163.8	168.7	174.5	180.5	186.3
167.5°	156.1	156.1	156.5	157.4	158.9	159.8	160.6	163.8	167.5	172.0	176.5
170°	157.0	156.5	156.5	157.4	157.8	158.2	158.6	160.2	161.8	164.7	167.1
172.5°	157.0	156.5	156.5	157.0	157.0	157.0	157.0	157.4	157.8	159.4	160.2
175°	157.0	156.5	156.5	156.5	156.5	156.1	156.1	156.1	156.1	156.1	156.5
177.5°	157.0	156.5	156.1	156.1	155.7	155.7	155.3	155.3	155.0	155.0	155.0
180°	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7
2.5°	115.0	115.0	114.7	114.7	114.3	114.3	113.9	113.5	113.0	113.0
5°	115.5	115.0	114.7	114.7	114.7	114.3	114.3	114.3	113.9	113.9
7.5°	115.5	115.5	115.5	115.0	115.0	115.0	115.0	115.0	114.7	114.7
10°	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.5	115.5	115.5
12.5°	115.9	115.9	115.9	116.3	116.3	116.3	116.3	116.3	116.3	116.3
15°	116.3	116.3	116.7	116.7	117.1	117.1	117.5	117.5	117.5	117.1
17.5°	115.9	116.3	116.7	117.1	117.5	117.5	117.9	117.9	117.9	117.9
20°	115.9	116.7	117.1	117.5	117.9	117.9	118.4	118.7	118.7	118.4
22.5°	115.5	116.3	116.7	117.5	117.9	117.9	118.7	118.7	118.7	118.7
25°	115.0	115.9	116.7	117.5	117.9	117.9	118.7	118.7	119.1	119.1
27.5°	114.3	115.0	116.3	117.1	117.5	117.9	118.4	118.7	118.7	118.7
30°	113.0	114.3	115.5	116.3	116.7	117.1	117.5	117.9	118.4	118.4
32.5°	111.4	112.6	113.9	115.0	115.5	115.9	116.7	117.1	117.1	117.1
35°	109.8	111.0	112.2	113.5	113.9	114.3	115.0	115.5	115.9	115.9
37.5°	107.3	108.6	109.8	111.0	111.4	112.2	113.0	113.5	113.5	113.5
40°	103.7	105.7	107.3	108.6	109.0	109.8	110.2	111.0	111.0	111.0
42.5°	100.4	102.1	103.3	104.9	105.3	106.6	107.3	107.7	108.1	108.1
45°	96.8	98.4	99.6	100.8	101.3	102.1	102.8	103.3	103.7	104.1
47.5°	93.1	94.4	95.5	96.8	97.2	98.0	98.8	99.2	99.6	99.6
50°	88.6	89.9	91.1	92.3	92.7	93.5	94.0	94.4	94.7	94.7
52.5°	83.7	85.0	86.2	87.4	87.8	88.2	89.1	89.5	89.9	89.9
55°	78.8	80.1	80.9	82.2	82.5	82.9	83.3	84.2	84.6	84.2
57.5°	73.2	74.5	75.2	76.4	76.9	77.3	77.7	78.1	78.5	78.5
60°	67.1	68.3	69.6	70.4	70.7	71.1	71.5	72.0	72.4	72.4
62.5°	61.0	62.2	63.0	64.2	64.7	64.7	65.1	65.5	65.9	65.9
65°	54.9	56.1	56.5	57.8	57.8	58.2	58.5	58.9	58.9	58.9
67.5°	48.4	49.6	50.0	50.8	50.8	51.2	51.6	52.0	52.0	52.0
70°	42.2	42.7	43.5	43.9	44.3	44.3	44.7	45.2	45.6	45.2
72.5°	35.8	36.2	37.0	37.4	37.4	37.8	37.8	38.3	38.6	38.6
75°	29.3	30.1	30.5	30.9	31.3	31.3	31.7	32.1	32.1	32.1
77.5°	23.2	24.0	24.4	24.8	25.2	25.2	25.6	25.6	26.1	25.6
80°	17.9	18.3	18.7	19.1	19.5	19.5	19.9	20.3	20.3	20.3
82.5°	13.0	13.4	14.2	14.6	14.6	14.6	15.4	15.4	15.9	15.4
85°	9.0	9.4	10.1	10.5	11.0	11.0	11.0	11.4	11.8	11.4
87.5°	5.7	6.5	6.9	7.3	7.3	7.3	7.7	8.1	8.1	8.1
90°	3.2	3.2	3.7	4.1	4.1	4.5	4.5	4.9	4.9	4.9
92.5°	3.2	3.7	3.7	3.7	4.1	4.1	4.1	4.5	4.5	4.5
95°	27.6	19.9	11.4	9.0	7.7	7.7	7.3	7.7	7.3	7.3
97.5°	83.7	90.6	94.0	98.4	100.8	100.4	98.8	100.4	99.2	100.4
100°	119.1	125.7	130.6	131.7	134.2	135.4	139.9	143.1	144.8	146.8
102.5°	148.0	155.7	161.4	164.7	167.1	168.7	174.1	178.9	181.4	183.0
105°	174.5	182.6	189.5	192.7	195.5	197.2	202.9	208.6	212.2	214.3
107.5°	195.5	204.9	212.2	217.1	220.0	222.9	229.7	235.5	239.9	241.9
110°	214.7	224.0	231.7	237.5	240.7	243.5	251.3	257.8	262.7	265.1



TEST NUMBER: P395018

CATALOG NUMBER: I3-CL-20L930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	230.6	240.7	248.4	254.6	257.8	261.9	269.2	276.5	281.4	284.2
115°	243.5	254.1	262.3	268.8	272.4	276.1	284.6	291.9	296.8	298.9
117.5°	254.6	265.1	273.7	280.1	284.2	288.3	296.8	303.4	308.6	310.3
120°	263.5	274.1	282.6	289.9	294.0	297.6	305.8	312.7	317.6	318.8
122.5°	269.6	280.5	289.5	297.6	301.3	304.9	312.7	319.6	324.0	325.3
125°	274.1	285.4	294.4	303.0	306.6	310.3	317.6	324.4	328.1	329.8
127.5°	276.9	288.3	298.1	306.2	310.3	313.5	320.8	326.9	330.6	331.8
130°	277.7	289.5	299.3	307.8	311.5	314.7	321.6	327.8	331.0	331.8
132.5°	277.7	289.1	299.3	307.4	311.1	314.3	320.8	326.5	329.8	330.6
135°	276.1	287.1	297.2	305.4	309.0	312.2	318.8	323.7	326.9	327.4
137.5°	273.2	283.8	293.6	301.7	305.4	308.6	314.3	319.6	322.5	323.3
140°	269.6	279.4	289.1	296.8	300.5	303.4	309.0	313.5	316.3	317.1
142.5°	264.7	274.5	283.4	291.2	294.0	297.2	302.1	306.6	309.0	309.8
145°	259.5	268.8	276.9	283.8	287.1	289.9	294.4	298.5	300.9	301.7
147.5°	252.5	261.9	269.6	276.1	279.0	281.8	285.9	289.5	291.9	292.7
150°	243.9	252.5	260.6	266.8	269.6	272.4	276.5	279.7	282.2	282.6
152.5°	235.5	243.5	250.5	256.6	259.5	262.3	265.9	269.2	272.0	272.0
155°	227.3	234.2	240.7	246.0	248.4	250.9	254.6	257.4	259.8	259.8
157.5°	218.8	225.3	230.6	235.5	237.5	239.5	242.8	245.2	247.3	246.8
160°	210.7	215.5	220.4	224.4	226.5	228.1	230.6	232.6	234.6	234.2
162.5°	201.7	206.2	210.2	213.1	214.7	215.9	218.4	220.4	221.6	221.6
165°	191.5	195.5	199.2	202.1	203.7	204.5	206.6	207.7	209.0	209.0
167.5°	180.9	184.2	187.4	189.9	191.5	192.3	194.4	195.2	196.8	196.4
170°	170.4	172.8	175.2	177.3	178.1	178.9	180.5	181.4	182.2	182.2
172.5°	161.8	162.7	163.8	165.5	165.5	165.9	166.7	167.1	167.5	167.5
175°	157.0	157.4	157.4	157.4	157.4	157.4	157.8	157.4	157.8	157.4
177.5°	155.0	155.0	154.5	154.5	154.1	154.5	154.1	153.7	153.7	153.3
180°	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1	154.1

(END OF REPORT)