

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: P395355

Luminaire Tested: **I3-CL-20L93050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395355
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-CL-20L93050-1D-UNV-W2A-W-4 (3000K)
Description: CORELITE I3, CLEAR TOP COVER
2000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1680.3 lumens
Efficiency: N/A
Efficacy: 101.2 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

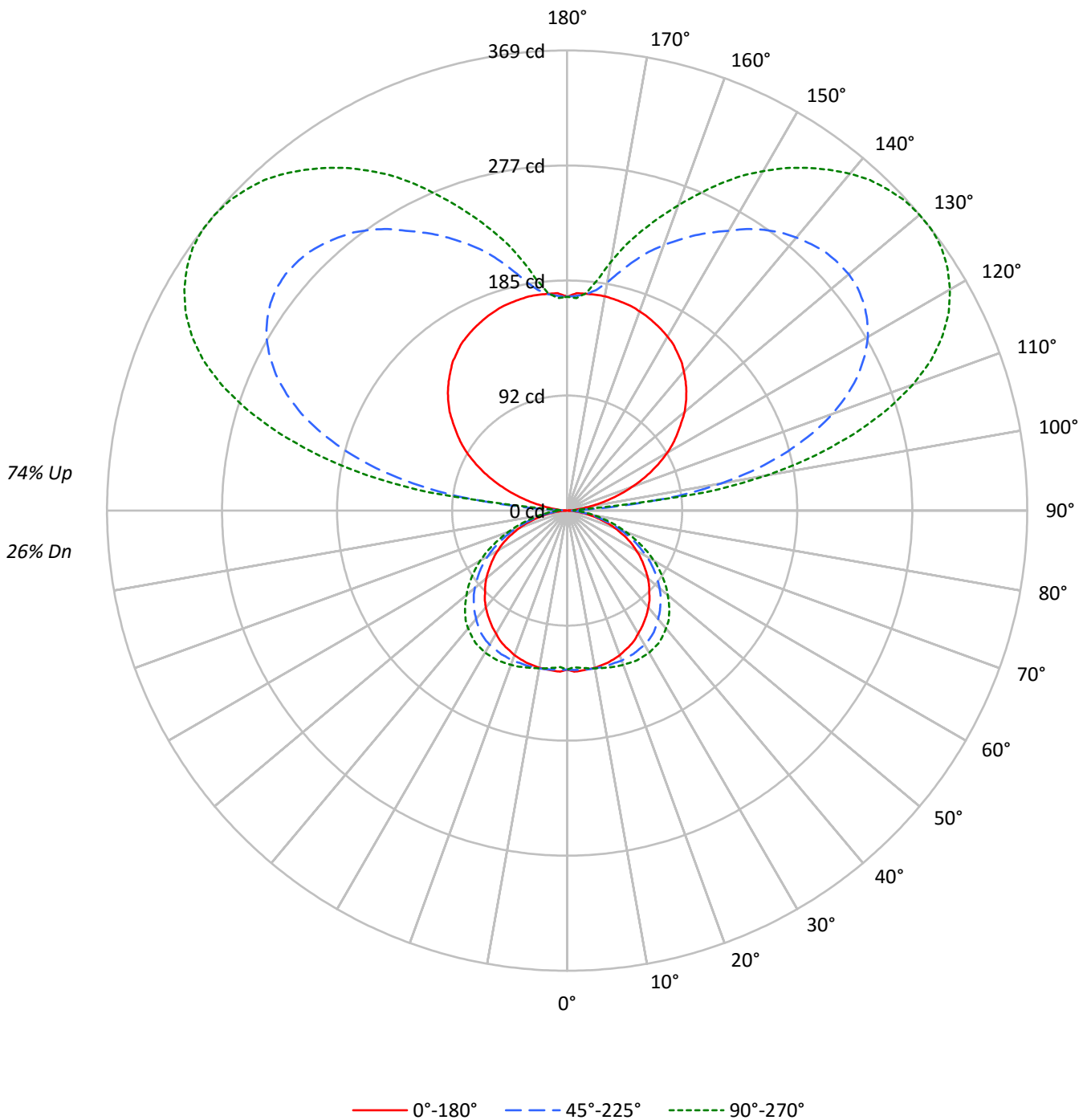
Input Watts (W): 16.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	701	701	701
5°	709	690	679
10°	709	685	677
15°	710	682	680
20°	711	683	686
25°	710	683	695
30°	706	684	700
35°	704	681	701
40°	702	666	692
45°	694	650	675
50°	688	629	645
55°	674	597	608
60°	657	555	561
65°	630	498	498
70°	586	424	421
75°	506	338	338
80°	393	240	247
85°	229	148	167



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.2	0.7
10°-20°	36.2	2.2
20°-30°	58.1	3.5
30°-40°	74.3	4.4
40°-50°	81.0	4.8
50°-60°	75.9	4.5
60°-70°	58.9	3.5
70°-80°	33.8	2.0
80°-90°	10.8	0.6
90°-100°	43.3	2.6
100°-110°	168.5	10.0
110°-120°	229.4	13.6
120°-130°	238.1	14.2
130°-140°	211.2	12.6
140°-150°	163.9	9.8
150°-160°	109.4	6.5
160°-170°	58.3	3.5
170°-180°	17.1	1.0
0°-30°	106.6	6.3
0°-40°	180.9	10.8
0°-60°	337.8	20.1
0°-90°	441.3	26.3
90°-120°	441.2	26.3
90°-150°	1054.3	62.7
90°-180°	1239.0	73.7
0°-180°	1680.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	128	128	128	128	128	
5°	129	128	128	128	127	12
15°	126	126	128	130	130	36
25°	119	120	127	131	132	55
35°	108	110	120	127	129	68
45°	93	97	106	113	116	72
55°	75	79	86	92	94	67
65°	53	55	60	64	66	52
75°	28	29	32	35	36	29
85°	5	6	10	12	13	6
90°	0	1	3	4	5	1
95°	5	31	42	9	8	7
105°	36	108	183	218	238	38
115°	75	167	258	303	332	74
125°	108	197	290	341	367	97
135°	135	207	293	344	364	104
145°	154	207	275	319	336	97
155°	166	196	244	276	289	77
165°	173	180	207	226	232	49
175°	174	174	174	175	175	17
180°	171	171	171	171	171	



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CATALOG NUMBER: I3-CL-20L93050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5
2.5°	129.3	128.9	128.9	128.0	128.0	127.5	127.5	127.5	127.5	127.5	128.0
5°	128.9	128.9	128.4	128.0	128.0	127.5	127.5	127.5	127.5	127.5	128.0
7.5°	128.4	128.4	128.0	127.5	127.5	127.5	127.5	127.5	127.5	127.5	128.4
10°	128.0	128.0	127.5	127.1	127.1	127.1	127.1	127.5	127.5	127.5	128.4
12.5°	127.1	126.6	126.6	126.2	126.2	126.2	126.6	126.6	127.1	127.5	128.4
15°	126.2	126.2	125.7	125.2	125.7	125.7	125.7	126.2	126.6	127.1	128.4
17.5°	124.8	124.8	124.3	124.3	124.3	124.8	124.8	125.2	126.2	127.1	128.0
20°	123.4	123.0	123.0	123.0	123.4	123.4	123.9	124.8	125.2	126.6	128.0
22.5°	121.2	121.6	121.2	121.2	121.6	122.1	122.5	123.4	124.3	125.7	127.1
25°	119.4	119.4	119.4	119.4	120.3	120.3	121.2	122.1	123.4	124.8	126.6
27.5°	117.1	117.1	117.1	117.6	118.0	118.5	118.9	120.3	121.6	123.4	125.2
30°	113.9	113.9	113.9	113.9	115.3	115.8	116.7	118.5	119.8	122.1	124.3
32.5°	111.2	111.2	111.2	111.7	112.6	113.0	113.9	116.2	118.0	120.3	122.5
35°	108.1	108.1	108.5	108.5	109.9	110.3	111.2	113.0	114.8	117.6	120.3
37.5°	104.9	104.9	105.4	105.8	106.7	107.6	108.5	110.3	112.1	114.4	117.1
40°	101.3	101.3	101.7	102.2	103.5	104.4	105.4	107.2	109.0	111.2	113.5
42.5°	97.7	97.7	98.1	98.6	99.9	100.8	101.7	104.0	105.8	108.1	109.9
45°	93.1	93.6	94.1	95.0	96.3	97.2	98.1	99.9	102.2	104.0	105.8
47.5°	89.1	89.5	90.0	90.9	92.2	93.1	94.1	95.9	97.7	99.5	101.7
50°	84.6	85.0	85.5	86.4	87.7	88.6	89.5	91.3	93.1	94.5	96.8
52.5°	79.6	80.0	80.5	81.4	83.2	83.7	84.6	86.4	87.7	89.5	91.3
55°	74.6	75.1	75.5	76.4	77.8	78.7	79.1	80.9	82.3	84.1	85.9
57.5°	69.6	70.1	70.5	71.4	72.3	73.3	73.7	75.1	76.9	78.2	80.0
60°	64.2	64.7	65.1	65.6	66.9	67.4	67.8	69.2	70.5	72.3	73.7
62.5°	58.8	58.8	59.2	59.7	61.0	61.5	61.9	62.9	64.7	65.6	66.9
65°	52.9	52.9	53.4	53.8	54.7	55.2	55.6	56.5	57.9	58.8	60.1
67.5°	46.6	46.6	47.0	47.5	48.4	48.8	48.8	50.2	51.1	52.0	52.9
70°	40.7	40.7	41.1	41.1	41.6	42.1	42.5	43.4	43.9	45.2	45.7
72.5°	34.4	34.4	34.4	34.4	35.3	35.3	35.7	36.6	37.1	38.0	38.9
75°	27.6	27.6	28.0	28.0	28.5	28.9	29.4	29.8	30.7	31.2	31.7
77.5°	21.7	21.3	21.7	22.2	22.6	22.6	23.1	23.5	24.0	24.9	25.3
80°	15.4	15.4	15.4	15.8	16.3	16.3	16.7	17.2	17.6	18.5	19.0
82.5°	9.9	9.9	10.4	10.4	10.9	11.3	11.3	11.8	12.2	13.1	13.6
85°	5.4	5.4	5.4	5.9	6.3	6.3	6.8	7.2	8.1	8.6	9.5
87.5°	1.8	1.8	2.3	2.7	3.2	3.2	3.6	4.1	4.5	5.4	5.9
90°	0.5	0.5	0.5	0.9	0.9	1.4	1.4	1.8	2.3	2.7	3.2
92.5°	1.8	3.2	5.0	7.2	6.8	7.2	5.0	3.2	3.2	3.2	3.6
95°	5.4	8.1	13.1	20.8	27.1	30.7	33.9	37.1	43.4	43.9	42.1
97.5°	10.9	14.9	24.0	33.9	45.2	51.1	55.6	65.1	75.1	81.4	89.1
100°	18.1	24.0	35.7	49.3	62.4	70.1	77.3	90.9	103.1	113.9	125.7
102.5°	26.7	33.5	47.9	64.7	80.9	89.5	97.2	113.0	129.8	144.2	156.9
105°	35.7	43.4	60.6	79.6	98.1	108.1	117.6	134.7	152.4	168.2	183.1
107.5°	45.7	53.8	72.3	93.6	114.4	125.7	136.1	154.6	173.2	190.4	206.2
110°	55.2	64.2	83.7	106.7	130.2	141.5	151.9	172.3	191.7	209.8	226.5



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CATALOG NUMBER: I3-CL-20L93050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	65.1	74.6	94.1	119.4	143.3	155.1	165.9	187.6	208.0	226.5	243.3
115°	74.6	83.7	104.0	130.2	154.6	166.8	178.6	200.8	222.0	240.6	257.7
117.5°	83.7	92.2	113.0	139.3	164.6	176.8	188.6	211.6	232.9	252.3	269.0
120°	92.7	100.4	123.0	147.0	172.7	184.9	197.1	220.2	241.9	261.4	278.5
122.5°	100.8	108.1	130.2	153.7	179.1	191.7	203.5	227.0	249.1	268.6	285.3
125°	108.1	114.8	137.0	159.2	184.5	196.7	208.9	232.0	254.1	273.1	290.3
127.5°	115.3	122.1	142.0	164.6	188.1	200.8	212.5	235.6	257.3	276.7	293.5
130°	123.0	128.0	147.0	169.6	191.7	203.5	215.7	237.8	259.1	278.1	294.8
132.5°	129.3	133.8	151.9	173.6	194.4	205.7	216.6	238.7	260.0	278.1	294.4
135°	135.2	138.8	155.5	177.2	196.7	207.1	217.5	238.3	259.1	277.2	293.0
137.5°	140.6	144.2	158.7	180.0	198.5	207.5	217.5	236.9	256.8	274.9	289.8
140°	145.6	148.3	161.4	181.3	199.4	208.0	216.6	234.7	253.2	270.8	285.8
142.5°	150.6	152.8	163.7	182.2	199.9	208.0	216.1	232.0	249.1	266.3	281.2
145°	154.2	156.4	165.5	182.7	199.4	207.1	214.3	229.2	244.6	260.4	274.9
147.5°	158.3	160.1	167.3	181.8	198.0	205.3	212.1	225.6	239.6	254.1	267.7
150°	161.0	162.8	168.2	180.9	195.8	202.6	209.4	222.0	234.7	247.3	259.1
152.5°	163.7	165.0	169.6	179.5	193.1	199.4	205.7	217.9	229.7	241.0	251.4
155°	165.9	167.3	170.5	178.6	189.9	195.8	201.7	213.4	224.3	234.2	243.7
157.5°	168.2	169.1	171.4	177.2	186.3	191.7	197.1	207.5	217.5	227.4	235.1
160°	170.0	170.5	172.3	176.8	183.1	187.2	192.2	201.7	210.7	219.3	226.5
162.5°	171.8	171.8	173.2	175.9	180.4	183.1	186.7	194.9	203.0	210.7	217.5
165°	172.7	172.7	173.6	175.4	178.2	180.0	182.2	187.6	194.0	200.8	207.1
167.5°	173.6	173.6	174.1	175.0	176.8	177.7	178.6	182.2	186.3	191.3	196.2
170°	174.5	174.1	174.1	175.0	175.4	175.9	176.3	178.2	180.0	183.1	185.8
172.5°	174.5	174.1	174.1	174.5	174.5	174.5	174.5	175.0	175.4	177.2	178.2
175°	174.5	174.1	174.1	174.1	174.1	173.6	173.6	173.6	173.6	173.6	174.1
177.5°	174.5	174.1	173.6	173.6	173.2	173.2	172.7	172.7	172.3	172.3	172.3
180°	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5
2.5°	128.0	128.0	127.5	127.5	127.1	127.1	126.6	126.2	125.7	125.7
5°	128.4	128.0	127.5	127.5	127.5	127.1	127.1	127.1	126.6	126.6
7.5°	128.4	128.4	128.4	128.0	128.0	128.0	128.0	128.0	127.5	127.5
10°	128.9	128.9	128.9	128.9	128.9	128.9	128.9	128.4	128.4	128.4
12.5°	128.9	128.9	128.9	129.3	129.3	129.3	129.3	129.3	129.3	129.3
15°	129.3	129.3	129.8	129.8	130.2	130.2	130.7	130.7	130.7	130.2
17.5°	128.9	129.3	129.8	130.2	130.7	130.7	131.1	131.1	131.1	131.1
20°	128.9	129.8	130.2	130.7	131.1	131.1	131.6	132.0	132.0	131.6
22.5°	128.4	129.3	129.8	130.7	131.1	131.1	132.0	132.0	132.0	132.0
25°	128.0	128.9	129.8	130.7	131.1	131.1	132.0	132.0	132.5	132.5
27.5°	127.1	128.0	129.3	130.2	130.7	131.1	131.6	132.0	132.0	132.0
30°	125.7	127.1	128.4	129.3	129.8	130.2	130.7	131.1	131.6	131.6
32.5°	123.9	125.2	126.6	128.0	128.4	128.9	129.8	130.2	130.2	130.2
35°	122.1	123.4	124.8	126.2	126.6	127.1	128.0	128.4	128.9	128.9
37.5°	119.4	120.7	122.1	123.4	123.9	124.8	125.7	126.2	126.2	126.2
40°	115.3	117.6	119.4	120.7	121.2	122.1	122.5	123.4	123.4	123.4
42.5°	111.7	113.5	114.8	116.7	117.1	118.5	119.4	119.8	120.3	120.3
45°	107.6	109.4	110.8	112.1	112.6	113.5	114.4	114.8	115.3	115.8
47.5°	103.5	104.9	106.3	107.6	108.1	109.0	109.9	110.3	110.8	110.8
50°	98.6	99.9	101.3	102.6	103.1	104.0	104.4	104.9	105.4	105.4
52.5°	93.1	94.5	95.9	97.2	97.7	98.1	99.0	99.5	99.9	99.9
55°	87.7	89.1	90.0	91.3	91.8	92.2	92.7	93.6	94.1	93.6
57.5°	81.4	82.7	83.7	85.0	85.5	85.9	86.4	86.8	87.3	87.3
60°	74.6	76.0	77.3	78.2	78.7	79.1	79.6	80.0	80.5	80.5
62.5°	67.8	69.2	70.1	71.4	71.9	71.9	72.3	72.8	73.3	73.3
65°	61.0	62.4	62.9	64.2	64.2	64.7	65.1	65.6	65.6	65.6
67.5°	53.8	55.2	55.6	56.5	56.5	57.0	57.4	57.9	57.9	57.9
70°	47.0	47.5	48.4	48.8	49.3	49.3	49.7	50.2	50.6	50.2
72.5°	39.8	40.2	41.1	41.6	41.6	42.1	42.1	42.5	43.0	43.0
75°	32.6	33.5	33.9	34.4	34.8	34.8	35.3	35.7	35.7	35.7
77.5°	25.8	26.7	27.1	27.6	28.0	28.0	28.5	28.5	28.9	28.5
80°	19.9	20.3	20.8	21.3	21.7	21.7	22.2	22.6	22.6	22.6
82.5°	14.5	14.9	15.8	16.3	16.3	16.3	17.2	17.2	17.6	17.2
85°	9.9	10.4	11.3	11.8	12.2	12.2	12.2	12.7	13.1	12.7
87.5°	6.3	7.2	7.7	8.1	8.1	8.1	8.6	9.0	9.0	9.0
90°	3.6	3.6	4.1	4.5	4.5	5.0	5.0	5.4	5.4	5.4
92.5°	3.6	4.1	4.1	4.1	4.5	4.5	4.5	5.0	5.0	5.0
95°	30.7	22.2	12.7	9.9	8.6	8.6	8.1	8.6	8.1	8.1
97.5°	93.1	100.8	104.4	109.4	112.1	111.7	109.9	111.7	110.3	111.7
100°	132.5	139.7	145.1	146.5	149.2	150.6	155.5	159.2	161.0	163.2
102.5°	164.6	173.2	179.5	183.1	185.8	187.6	193.5	199.0	201.7	203.5
105°	194.0	203.0	210.7	214.3	217.5	219.3	225.6	232.0	236.0	238.3
107.5°	217.5	227.9	236.0	241.5	244.6	247.8	255.5	261.8	266.8	269.0
110°	238.7	249.1	257.7	264.1	267.7	270.8	279.4	286.7	292.1	294.8



TEST NUMBER: P395355

CATALOG NUMBER: I3-CL-20L93050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	256.4	267.7	276.3	283.1	286.7	291.2	299.3	307.5	312.9	316.1
115°	270.8	282.6	291.6	298.9	303.0	307.0	316.5	324.7	330.1	332.3
117.5°	283.1	294.8	304.3	311.5	316.1	320.6	330.1	337.3	343.2	345.0
120°	293.0	304.8	314.3	322.4	326.9	331.0	340.0	347.7	353.1	354.5
122.5°	299.8	312.0	321.9	331.0	335.1	339.1	347.7	355.4	360.4	361.7
125°	304.8	317.4	327.4	336.9	340.9	345.0	353.1	360.8	364.9	366.7
127.5°	307.9	320.6	331.4	340.5	345.0	348.6	356.8	363.5	367.6	369.0
130°	308.8	321.9	332.8	342.3	346.4	350.0	357.7	364.4	368.1	369.0
132.5°	308.8	321.5	332.8	341.8	345.9	349.5	356.8	363.1	366.7	367.6
135°	307.0	319.2	330.5	339.6	343.6	347.3	354.5	359.9	363.5	364.0
137.5°	303.9	315.6	326.5	335.5	339.6	343.2	349.5	355.4	358.6	359.5
140°	299.8	310.6	321.5	330.1	334.1	337.3	343.6	348.6	351.8	352.7
142.5°	294.4	305.2	315.2	323.7	326.9	330.5	336.0	340.9	343.6	344.5
145°	288.5	298.9	307.9	315.6	319.2	322.4	327.4	331.9	334.6	335.5
147.5°	280.8	291.2	299.8	307.0	310.2	313.3	317.9	321.9	324.7	325.6
150°	271.3	280.8	289.8	296.6	299.8	303.0	307.5	311.1	313.8	314.3
152.5°	261.8	270.8	278.5	285.3	288.5	291.6	295.7	299.3	302.5	302.5
155°	252.8	260.4	267.7	273.6	276.3	279.0	283.1	286.2	288.9	288.9
157.5°	243.3	250.5	256.4	261.8	264.1	266.3	269.9	272.7	274.9	274.5
160°	234.2	239.6	245.1	249.6	251.9	253.7	256.4	258.6	260.9	260.4
162.5°	224.3	229.2	233.8	236.9	238.7	240.1	242.8	245.1	246.4	246.4
165°	213.0	217.5	221.6	224.7	226.5	227.4	229.7	231.1	232.4	232.4
167.5°	201.2	204.8	208.4	211.2	213.0	213.9	216.1	217.0	218.8	218.4
170°	189.5	192.2	194.9	197.1	198.0	199.0	200.8	201.7	202.6	202.6
172.5°	180.0	180.9	182.2	184.0	184.0	184.5	185.4	185.8	186.3	186.3
175°	174.5	175.0	175.0	175.0	175.0	175.0	175.4	175.0	175.4	175.0
177.5°	172.3	172.3	171.8	171.8	171.4	171.8	171.4	170.9	170.9	170.5
180°	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4

(END OF REPORT)