

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: P395353

Luminaire Tested: **I3-CL-20L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395353
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-20L92765-1D-UNV-W2A-W-4 (5700K)
Description: CORELITE I3, CLEAR TOP COVER
2000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2036.7 lumens
Efficiency: N/A
Efficacy: 122.0 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

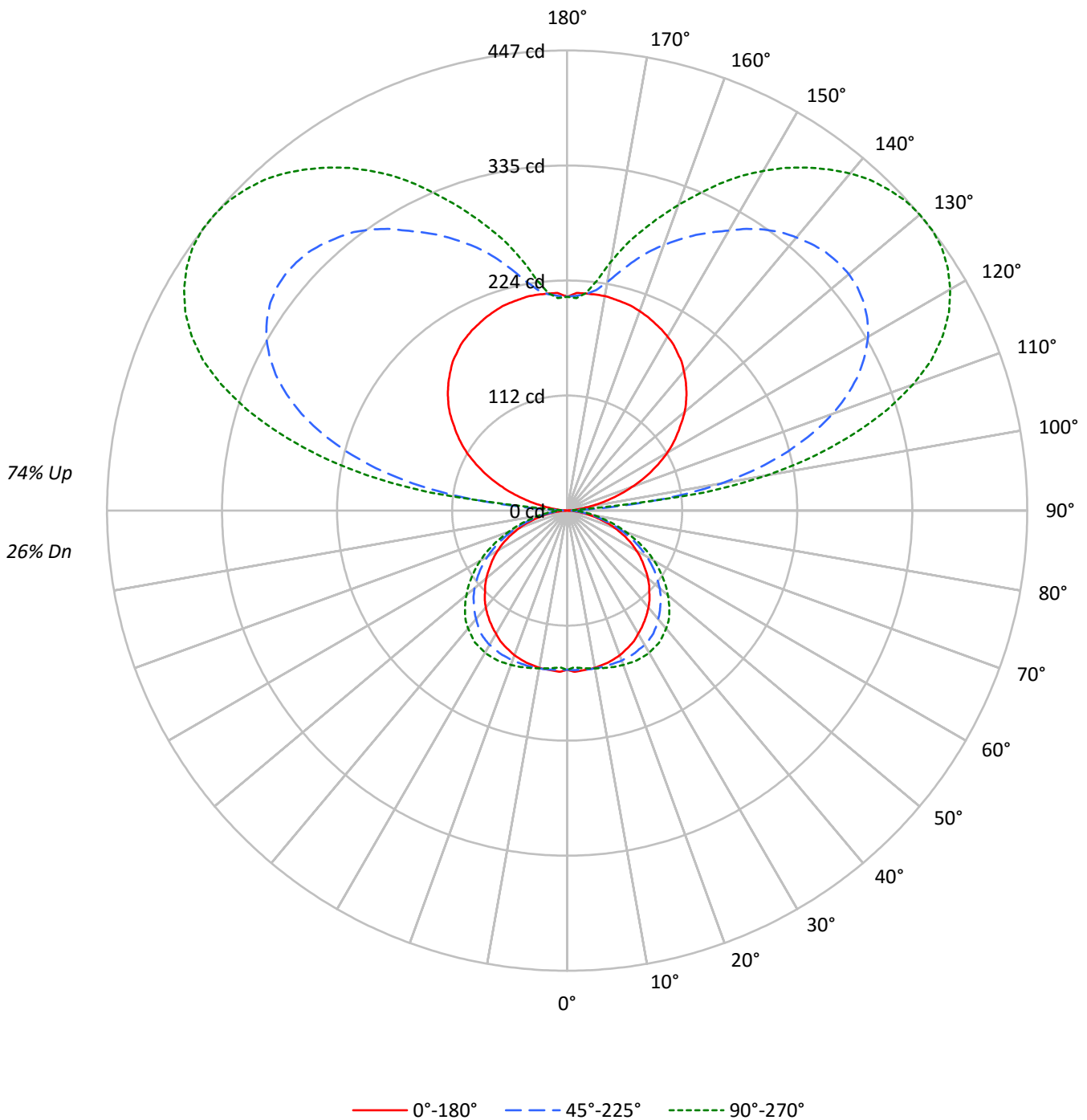
Input Watts (W): 16.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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°	850	850	850
5°	859	836	823
10°	859	830	820
15°	860	827	824
20°	862	827	832
25°	860	828	843
30°	855	829	849
35°	854	825	850
40°	851	807	839
45°	842	787	818
50°	834	762	782
55°	817	723	736
60°	797	672	680
65°	764	604	603
70°	709	515	510
75°	612	409	410
80°	474	290	300
85°	280	180	201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.8	0.7
10°-20°	43.9	2.2
20°-30°	70.4	3.5
30°-40°	90.1	4.4
40°-50°	98.2	4.8
50°-60°	92.0	4.5
60°-70°	71.4	3.5
70°-80°	40.9	2.0
80°-90°	13.1	0.6
90°-100°	52.5	2.6
100°-110°	204.2	10.0
110°-120°	278.0	13.7
120°-130°	288.6	14.2
130°-140°	256.0	12.6
140°-150°	198.6	9.8
150°-160°	132.6	6.5
160°-170°	70.6	3.5
170°-180°	20.7	1.0
0°-30°	129.2	6.3
0°-40°	219.2	10.8
0°-60°	409.5	20.1
0°-90°	534.9	26.3
90°-120°	534.7	26.3
90°-150°	1277.9	62.7
90°-180°	1502.0	73.7
0°-180°	2036.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	155	155	155	155	155	
5°	156	155	155	155	154	15
15°	153	152	156	158	158	43
25°	145	146	154	159	161	67
35°	131	134	146	154	156	82
45°	113	118	128	136	140	87
55°	90	95	104	111	113	81
65°	64	67	73	78	80	63
75°	33	35	38	42	43	36
85°	7	8	12	15	15	8
90°	0	2	4	6	7	1
95°	7	37	51	10	10	9
105°	43	131	222	264	289	46
115°	90	202	312	367	403	89
125°	131	238	352	413	444	117
135°	164	251	355	416	441	126
145°	187	251	333	387	407	117
155°	201	237	295	335	350	93
165°	209	218	251	275	282	59
175°	212	210	211	212	212	20
180°	208	208	208	208	208	



TEST NUMBER: P395353

CATALOG NUMBER: I3-CL-20L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	154.6	154.6	154.6	154.6	154.6	154.6	154.6	154.6	154.6	154.6	154.6
2.5°	156.7	156.2	156.2	155.1	155.1	154.6	154.6	154.6	154.6	154.6	155.1
5°	156.2	156.2	155.6	155.1	155.1	154.6	154.6	154.6	154.6	154.6	155.1
7.5°	155.6	155.6	155.1	154.6	154.6	154.6	154.6	154.6	154.6	154.6	155.6
10°	155.1	155.1	154.6	154.0	154.0	154.0	154.0	154.6	154.6	154.6	155.6
12.5°	154.0	153.5	153.5	152.9	152.9	152.9	153.5	153.5	154.0	154.6	155.6
15°	152.9	152.9	152.4	151.8	152.4	152.4	152.4	152.9	153.5	154.0	155.6
17.5°	151.3	151.3	150.7	150.7	150.7	151.3	151.3	151.8	152.9	154.0	155.1
20°	149.6	149.1	149.1	149.1	149.6	149.6	150.2	151.3	151.8	153.5	155.1
22.5°	146.9	147.4	146.9	146.9	147.4	148.0	148.5	149.6	150.7	152.4	154.0
25°	144.7	144.7	144.7	144.7	145.8	145.8	146.9	148.0	149.6	151.3	153.5
27.5°	141.9	141.9	141.9	142.5	143.0	143.6	144.1	145.8	147.4	149.6	151.8
30°	138.1	138.1	138.1	138.1	139.8	140.3	141.4	143.6	145.2	148.0	150.7
32.5°	134.8	134.8	134.8	135.4	136.5	137.0	138.1	140.9	143.0	145.8	148.5
35°	131.0	131.0	131.5	131.5	133.2	133.7	134.8	137.0	139.2	142.5	145.8
37.5°	127.1	127.1	127.7	128.2	129.3	130.4	131.5	133.7	135.9	138.7	141.9
40°	122.8	122.8	123.3	123.9	125.5	126.6	127.7	129.9	132.1	134.8	137.6
42.5°	118.4	118.4	118.9	119.5	121.1	122.2	123.3	126.1	128.2	131.0	133.2
45°	112.9	113.4	114.0	115.1	116.7	117.8	118.9	121.1	123.9	126.1	128.2
47.5°	108.0	108.5	109.1	110.2	111.8	112.9	114.0	116.2	118.4	120.6	123.3
50°	102.5	103.0	103.6	104.7	106.3	107.4	108.5	110.7	112.9	114.5	117.3
52.5°	96.5	97.0	97.6	98.7	100.8	101.4	102.5	104.7	106.3	108.5	110.7
55°	90.4	91.0	91.5	92.6	94.3	95.4	95.9	98.1	99.7	101.9	104.1
57.5°	84.4	84.9	85.5	86.6	87.7	88.8	89.3	91.0	93.2	94.8	97.0
60°	77.8	78.4	78.9	79.5	81.1	81.7	82.2	83.9	85.5	87.7	89.3
62.5°	71.2	71.2	71.8	72.3	74.0	74.5	75.1	76.2	78.4	79.5	81.1
65°	64.1	64.1	64.7	65.2	66.3	66.9	67.4	68.5	70.2	71.2	72.9
67.5°	56.5	56.5	57.0	57.5	58.6	59.2	59.2	60.8	61.9	63.0	64.1
70°	49.3	49.3	49.9	49.9	50.4	51.0	51.5	52.6	53.2	54.8	55.4
72.5°	41.7	41.7	41.7	41.7	42.7	42.7	43.3	44.4	44.9	46.0	47.1
75°	33.4	33.4	34.0	34.0	34.5	35.1	35.6	36.2	37.3	37.8	38.4
77.5°	26.3	25.8	26.3	26.9	27.4	27.4	28.0	28.5	29.0	30.1	30.7
80°	18.6	18.6	18.6	19.2	19.7	19.7	20.3	20.8	21.4	22.5	23.0
82.5°	12.1	12.1	12.6	12.6	13.2	13.7	13.7	14.2	14.8	15.9	16.4
85°	6.6	6.6	6.6	7.1	7.7	7.7	8.2	8.8	9.9	10.4	11.5
87.5°	2.2	2.2	2.7	3.3	3.8	3.8	4.4	4.9	5.5	6.6	7.1
90°	0.5	0.5	0.5	1.1	1.1	1.6	1.6	2.2	2.7	3.3	3.8
92.5°	2.2	3.8	6.0	8.8	8.2	8.8	6.0	3.8	3.8	3.8	4.4
95°	6.6	9.9	15.9	25.2	32.9	37.3	41.1	44.9	52.6	53.2	51.0
97.5°	13.2	18.1	29.0	41.1	54.8	61.9	67.4	78.9	91.0	98.7	108.0
100°	21.9	29.0	43.3	59.7	75.6	84.9	93.7	110.2	125.0	138.1	152.4
102.5°	32.3	40.6	58.1	78.4	98.1	108.5	117.8	137.0	157.3	174.8	190.2
105°	43.3	52.6	73.4	96.5	118.9	131.0	142.5	163.3	184.7	203.9	222.0
107.5°	55.4	65.2	87.7	113.4	138.7	152.4	165.0	187.4	209.9	230.7	249.9
110°	66.9	77.8	101.4	129.3	157.8	171.5	184.1	208.8	232.4	254.3	274.6



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CATALOG NUMBER: I3-CL-20L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	78.9	90.4	114.0	144.7	173.7	188.0	201.1	227.4	252.1	274.6	294.9
115°	90.4	101.4	126.1	157.8	187.4	202.2	216.5	243.3	269.1	291.6	312.4
117.5°	101.4	111.8	137.0	168.8	199.5	214.3	228.5	256.5	282.3	305.8	326.1
120°	112.4	121.7	149.1	178.1	209.4	224.2	239.0	266.9	293.2	316.8	337.6
122.5°	122.2	131.0	157.8	186.3	217.0	232.4	246.6	275.1	302.0	325.5	345.8
125°	131.0	139.2	166.1	192.9	223.6	238.4	253.2	281.2	308.0	331.0	351.9
127.5°	139.8	148.0	172.1	199.5	228.0	243.3	257.6	285.5	311.8	335.4	355.7
130°	149.1	155.1	178.1	205.5	232.4	246.6	261.4	288.3	314.0	337.1	357.3
132.5°	156.7	162.2	184.1	210.5	235.7	249.4	262.5	289.4	315.1	337.1	356.8
135°	163.9	168.3	188.5	214.8	238.4	251.0	263.6	288.8	314.0	336.0	355.1
137.5°	170.4	174.8	192.4	218.1	240.6	251.6	263.6	287.2	311.3	333.2	351.3
140°	176.5	179.8	195.7	219.8	241.7	252.1	262.5	284.4	306.9	328.3	346.4
142.5°	182.5	185.2	198.4	220.9	242.2	252.1	262.0	281.2	302.0	322.8	340.9
145°	186.9	189.6	200.6	221.4	241.7	251.0	259.8	277.9	296.5	315.7	333.2
147.5°	191.8	194.0	202.8	220.3	240.1	248.8	257.0	273.5	290.5	308.0	324.5
150°	195.1	197.3	203.9	219.2	237.3	245.5	253.8	269.1	284.4	299.8	314.0
152.5°	198.4	200.0	205.5	217.6	234.0	241.7	249.4	264.2	278.4	292.1	304.7
155°	201.1	202.8	206.6	216.5	230.2	237.3	244.4	258.7	271.8	283.9	295.4
157.5°	203.9	205.0	207.7	214.8	225.8	232.4	239.0	251.6	263.6	275.7	285.0
160°	206.1	206.6	208.8	214.3	222.0	226.9	232.9	244.4	255.4	265.8	274.6
162.5°	208.3	208.3	209.9	213.2	218.7	222.0	226.3	236.2	246.1	255.4	263.6
165°	209.4	209.4	210.5	212.6	215.9	218.1	220.9	227.4	235.1	243.3	251.0
167.5°	210.5	210.5	211.0	212.1	214.3	215.4	216.5	220.9	225.8	231.8	237.9
170°	211.6	211.0	211.0	212.1	212.6	213.2	213.7	215.9	218.1	222.0	225.3
172.5°	211.6	211.0	211.0	211.6	211.6	211.6	211.6	212.1	212.6	214.8	215.9
175°	211.6	211.0	211.0	211.0	211.0	210.5	210.5	210.5	210.5	210.5	211.0
177.5°	211.6	211.0	210.5	210.5	209.9	209.9	209.4	209.4	208.8	208.8	208.8
180°	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	154.6	154.6	154.6	154.6	154.6	154.6	154.6	154.6	154.6	154.6
2.5°	155.1	155.1	154.6	154.6	154.0	154.0	153.5	152.9	152.4	152.4
5°	155.6	155.1	154.6	154.6	154.6	154.0	154.0	154.0	153.5	153.5
7.5°	155.6	155.6	155.6	155.1	155.1	155.1	155.1	155.1	154.6	154.6
10°	156.2	156.2	156.2	156.2	156.2	156.2	156.2	155.6	155.6	155.6
12.5°	156.2	156.2	156.2	156.7	156.7	156.7	156.7	156.7	156.7	156.7
15°	156.7	156.7	157.3	157.3	157.8	157.8	158.4	158.4	158.4	157.8
17.5°	156.2	156.7	157.3	157.8	158.4	158.4	158.9	158.9	158.9	158.9
20°	156.2	157.3	157.8	158.4	158.9	158.9	159.5	160.0	160.0	159.5
22.5°	155.6	156.7	157.3	158.4	158.9	158.9	160.0	160.0	160.0	160.0
25°	155.1	156.2	157.3	158.4	158.9	158.9	160.0	160.0	160.6	160.6
27.5°	154.0	155.1	156.7	157.8	158.4	158.9	159.5	160.0	160.0	160.0
30°	152.4	154.0	155.6	156.7	157.3	157.8	158.4	158.9	159.5	159.5
32.5°	150.2	151.8	153.5	155.1	155.6	156.2	157.3	157.8	157.8	157.8
35°	148.0	149.6	151.3	152.9	153.5	154.0	155.1	155.6	156.2	156.2
37.5°	144.7	146.3	148.0	149.6	150.2	151.3	152.4	152.9	152.9	152.9
40°	139.8	142.5	144.7	146.3	146.9	148.0	148.5	149.6	149.6	149.6
42.5°	135.4	137.6	139.2	141.4	141.9	143.6	144.7	145.2	145.8	145.8
45°	130.4	132.6	134.3	135.9	136.5	137.6	138.7	139.2	139.8	140.3
47.5°	125.5	127.1	128.8	130.4	131.0	132.1	133.2	133.7	134.3	134.3
50°	119.5	121.1	122.8	124.4	125.0	126.1	126.6	127.1	127.7	127.7
52.5°	112.9	114.5	116.2	117.8	118.4	118.9	120.0	120.6	121.1	121.1
55°	106.3	108.0	109.1	110.7	111.3	111.8	112.4	113.4	114.0	113.4
57.5°	98.7	100.3	101.4	103.0	103.6	104.1	104.7	105.2	105.8	105.8
60°	90.4	92.1	93.7	94.8	95.4	95.9	96.5	97.0	97.6	97.6
62.5°	82.2	83.9	84.9	86.6	87.1	87.1	87.7	88.2	88.8	88.8
65°	74.0	75.6	76.2	77.8	77.8	78.4	78.9	79.5	79.5	79.5
67.5°	65.2	66.9	67.4	68.5	68.5	69.1	69.6	70.2	70.2	70.2
70°	57.0	57.5	58.6	59.2	59.7	59.7	60.3	60.8	61.4	60.8
72.5°	48.2	48.8	49.9	50.4	50.4	51.0	51.0	51.5	52.1	52.1
75°	39.5	40.6	41.1	41.7	42.2	42.2	42.7	43.3	43.3	43.3
77.5°	31.2	32.3	32.9	33.4	34.0	34.0	34.5	34.5	35.1	34.5
80°	24.1	24.7	25.2	25.8	26.3	26.3	26.9	27.4	27.4	27.4
82.5°	17.5	18.1	19.2	19.7	19.7	19.7	20.8	20.8	21.4	20.8
85°	12.1	12.6	13.7	14.2	14.8	14.8	14.8	15.3	15.9	15.3
87.5°	7.7	8.8	9.3	9.9	9.9	9.9	10.4	11.0	11.0	11.0
90°	4.4	4.4	4.9	5.5	5.5	6.0	6.0	6.6	6.6	6.6
92.5°	4.4	4.9	4.9	4.9	5.5	5.5	5.5	6.0	6.0	6.0
95°	37.3	26.9	15.3	12.1	10.4	10.4	9.9	10.4	9.9	9.9
97.5°	112.9	122.2	126.6	132.6	135.9	135.4	133.2	135.4	133.7	135.4
100°	160.6	169.4	175.9	177.6	180.9	182.5	188.5	192.9	195.1	197.8
102.5°	199.5	209.9	217.6	222.0	225.3	227.4	234.6	241.1	244.4	246.6
105°	235.1	246.1	255.4	259.8	263.6	265.8	273.5	281.2	286.1	288.8
107.5°	263.6	276.2	286.1	292.7	296.5	300.3	309.7	317.3	323.4	326.1
110°	289.4	302.0	312.4	320.1	324.5	328.3	338.7	347.5	354.0	357.3



TEST NUMBER: P395353

CATALOG NUMBER: I3-CL-20L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	310.8	324.5	334.9	343.1	347.5	353.0	362.8	372.7	379.3	383.1
115°	328.3	342.5	353.5	362.3	367.2	372.1	383.6	393.5	400.1	402.8
117.5°	343.1	357.3	368.8	377.6	383.1	388.6	400.1	408.9	416.0	418.2
120°	355.1	369.4	380.9	390.8	396.2	401.2	412.1	421.5	428.0	429.7
122.5°	363.4	378.2	390.2	401.2	406.1	411.0	421.5	430.8	436.8	438.4
125°	369.4	384.7	396.8	408.3	413.2	418.2	428.0	437.4	442.3	444.5
127.5°	373.2	388.6	401.7	412.7	418.2	422.6	432.4	440.6	445.6	447.2
130°	374.3	390.2	403.4	414.9	419.8	424.2	433.5	441.7	446.1	447.2
132.5°	374.3	389.7	403.4	414.3	419.3	423.7	432.4	440.1	444.5	445.6
135°	372.1	386.9	400.6	411.6	416.5	420.9	429.7	436.3	440.6	441.2
137.5°	368.3	382.5	395.7	406.7	411.6	416.0	423.7	430.8	434.6	435.7
140°	363.4	376.5	389.7	400.1	405.0	408.9	416.5	422.6	426.4	427.5
142.5°	356.8	369.9	382.0	392.4	396.2	400.6	407.2	413.2	416.5	417.6
145°	349.7	362.3	373.2	382.5	386.9	390.8	396.8	402.3	405.6	406.7
147.5°	340.3	353.0	363.4	372.1	376.0	379.8	385.3	390.2	393.5	394.6
150°	328.8	340.3	351.3	359.5	363.4	367.2	372.7	377.1	380.4	380.9
152.5°	317.3	328.3	337.6	345.8	349.7	353.5	358.4	362.8	366.7	366.7
155°	306.4	315.7	324.5	331.6	334.9	338.2	343.1	346.9	350.2	350.2
157.5°	294.9	303.6	310.8	317.3	320.1	322.8	327.2	330.5	333.2	332.7
160°	283.9	290.5	297.0	302.5	305.3	307.5	310.8	313.5	316.2	315.7
162.5°	271.8	277.9	283.3	287.2	289.4	291.0	294.3	297.0	298.7	298.7
165°	258.1	263.6	268.5	272.4	274.6	275.7	278.4	280.1	281.7	281.7
167.5°	243.9	248.3	252.7	255.9	258.1	259.2	262.0	263.1	265.3	264.7
170°	229.6	232.9	236.2	239.0	240.1	241.1	243.3	244.4	245.5	245.5
172.5°	218.1	219.2	220.9	223.1	223.1	223.6	224.7	225.3	225.8	225.8
175°	211.6	212.1	212.1	212.1	212.1	212.1	212.6	212.1	212.6	212.1
177.5°	208.8	208.8	208.3	208.3	207.7	208.3	207.7	207.2	207.2	206.6
180°	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7

(END OF REPORT)