

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: P395351

Luminaire Tested: **I3-CL-20L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395351
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 (4500K)
Description: CORELITE I3, CLEAR TOP COVER
2000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1956.8 lumens
Efficiency: N/A
Efficacy: 118.6 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

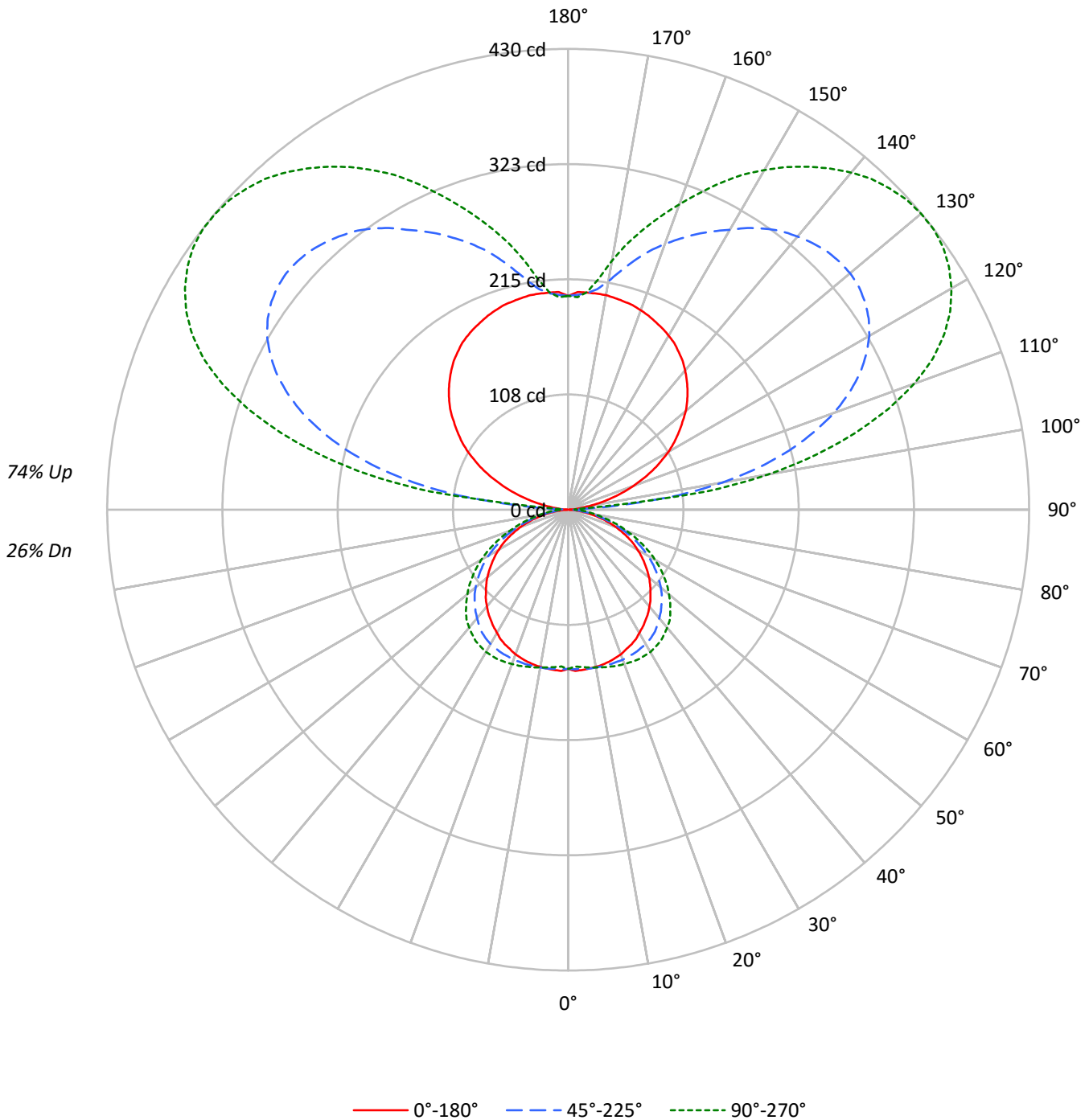
Input Watts (W): 16.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	816	816	816
5°	825	803	790
10°	825	797	788
15°	826	794	792
20°	828	795	799
25°	827	795	810
30°	822	797	815
35°	820	793	817
40°	817	776	806
45°	809	757	786
50°	802	732	751
55°	785	695	708
60°	766	646	653
65°	734	580	579
70°	682	494	490
75°	588	393	394
80°	456	279	288
85°	267	173	193



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.2	0.7
10°-20°	42.2	2.2
20°-30°	67.7	3.5
30°-40°	86.5	4.4
40°-50°	94.4	4.8
50°-60°	88.4	4.5
60°-70°	68.6	3.5
70°-80°	39.3	2.0
80°-90°	12.6	0.6
90°-100°	50.5	2.6
100°-110°	196.2	10.0
110°-120°	267.1	13.6
120°-130°	277.2	14.2
130°-140°	245.9	12.6
140°-150°	190.8	9.8
150°-160°	127.4	6.5
160°-170°	67.9	3.5
170°-180°	19.9	1.0
0°-30°	124.1	6.3
0°-40°	210.6	10.8
0°-60°	393.4	20.1
0°-90°	513.9	26.3
90°-120°	513.8	26.3
90°-150°	1227.7	62.7
90°-180°	1443.0	73.7
0°-180°	1956.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	148	148	148	148	148	
5°	150	148	149	148	147	14
15°	147	146	150	152	152	41
25°	139	140	147	153	154	64
35°	126	128	140	147	150	79
45°	108	113	123	131	135	84
55°	87	92	100	107	109	78
65°	62	64	70	75	76	61
75°	32	34	37	40	42	34
85°	6	7	11	14	15	8
90°	0	2	4	5	6	1
95°	6	36	49	10	10	8
105°	42	126	213	253	278	44
115°	87	194	300	353	387	86
125°	126	229	338	397	427	113
135°	157	241	341	400	424	121
145°	180	241	320	372	391	113
155°	193	228	284	322	336	89
165°	201	210	241	264	271	57
175°	203	202	203	204	204	19
180°	200	200	200	200	200	



TEST NUMBER: P395351

CATALOG NUMBER: I3-CL-20L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	148.5	148.5	148.5	148.5	148.5	148.5	148.5	148.5	148.5	148.5	148.5
2.5°	150.6	150.1	150.1	149.0	149.0	148.5	148.5	148.5	148.5	148.5	149.0
5°	150.1	150.1	149.5	149.0	149.0	148.5	148.5	148.5	148.5	148.5	149.0
7.5°	149.5	149.5	149.0	148.5	148.5	148.5	148.5	148.5	148.5	148.5	149.5
10°	149.0	149.0	148.5	148.0	148.0	148.0	148.0	148.5	148.5	148.5	149.5
12.5°	148.0	147.4	147.4	146.9	146.9	146.9	147.4	147.4	148.0	148.5	149.5
15°	146.9	146.9	146.4	145.9	146.4	146.4	146.4	146.9	147.4	148.0	149.5
17.5°	145.3	145.3	144.8	144.8	144.8	145.3	145.3	145.9	146.9	148.0	149.0
20°	143.7	143.2	143.2	143.2	143.7	143.7	144.3	145.3	145.9	147.4	149.0
22.5°	141.1	141.6	141.1	141.1	141.6	142.2	142.7	143.7	144.8	146.4	148.0
25°	139.0	139.0	139.0	139.0	140.1	140.1	141.1	142.2	143.7	145.3	147.4
27.5°	136.4	136.4	136.4	136.9	137.4	138.0	138.5	140.1	141.6	143.7	145.9
30°	132.7	132.7	132.7	132.7	134.3	134.8	135.9	138.0	139.5	142.2	144.8
32.5°	129.5	129.5	129.5	130.1	131.1	131.6	132.7	135.3	137.4	140.1	142.7
35°	125.8	125.8	126.4	126.4	128.0	128.5	129.5	131.6	133.7	136.9	140.1
37.5°	122.2	122.2	122.7	123.2	124.3	125.3	126.4	128.5	130.6	133.2	136.4
40°	117.9	117.9	118.5	119.0	120.6	121.6	122.7	124.8	126.9	129.5	132.2
42.5°	113.7	113.7	114.3	114.8	116.4	117.4	118.5	121.1	123.2	125.8	128.0
45°	108.5	109.0	109.5	110.6	112.2	113.2	114.3	116.4	119.0	121.1	123.2
47.5°	103.7	104.3	104.8	105.8	107.4	108.5	109.5	111.6	113.7	115.8	118.5
50°	98.5	99.0	99.5	100.6	102.2	103.2	104.3	106.4	108.5	110.1	112.7
52.5°	92.7	93.2	93.7	94.8	96.9	97.4	98.5	100.6	102.2	104.3	106.4
55°	86.9	87.4	87.9	89.0	90.6	91.6	92.1	94.3	95.8	97.9	100.0
57.5°	81.1	81.6	82.1	83.2	84.2	85.3	85.8	87.4	89.5	91.1	93.2
60°	74.8	75.3	75.8	76.4	77.9	78.5	79.0	80.6	82.1	84.2	85.8
62.5°	68.5	68.5	69.0	69.5	71.1	71.6	72.1	73.2	75.3	76.4	77.9
65°	61.6	61.6	62.1	62.7	63.7	64.2	64.8	65.8	67.4	68.5	70.0
67.5°	54.2	54.2	54.8	55.3	56.3	56.9	56.9	58.4	59.5	60.6	61.6
70°	47.4	47.4	47.9	47.9	48.4	49.0	49.5	50.5	51.1	52.7	53.2
72.5°	40.0	40.0	40.0	40.0	41.1	41.1	41.6	42.7	43.2	44.2	45.3
75°	32.1	32.1	32.6	32.6	33.2	33.7	34.2	34.8	35.8	36.3	36.9
77.5°	25.3	24.7	25.3	25.8	26.3	26.3	26.9	27.4	27.9	29.0	29.5
80°	17.9	17.9	17.9	18.4	19.0	19.0	19.5	20.0	20.5	21.6	22.1
82.5°	11.6	11.6	12.1	12.1	12.6	13.2	13.2	13.7	14.2	15.3	15.8
85°	6.3	6.3	6.3	6.8	7.4	7.4	7.9	8.4	9.5	10.0	11.1
87.5°	2.1	2.1	2.6	3.2	3.7	3.7	4.2	4.7	5.3	6.3	6.8
90°	0.5	0.5	0.5	1.1	1.1	1.6	1.6	2.1	2.6	3.2	3.7
92.5°	2.1	3.7	5.8	8.4	7.9	8.4	5.8	3.7	3.7	3.7	4.2
95°	6.3	9.5	15.3	24.2	31.6	35.8	39.5	43.2	50.5	51.1	49.0
97.5°	12.6	17.4	27.9	39.5	52.7	59.5	64.8	75.8	87.4	94.8	103.7
100°	21.1	27.9	41.6	57.4	72.7	81.6	90.0	105.8	120.1	132.7	146.4
102.5°	31.1	39.0	55.8	75.3	94.3	104.3	113.2	131.6	151.1	168.0	182.7
105°	41.6	50.5	70.6	92.7	114.3	125.8	136.9	156.9	177.4	195.9	213.3
107.5°	53.2	62.7	84.2	109.0	133.2	146.4	158.5	180.1	201.7	221.7	240.1
110°	64.2	74.8	97.4	124.3	151.6	164.8	176.9	200.6	223.3	244.3	263.8



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CATALOG NUMBER: I3-CL-20L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	75.8	86.9	109.5	139.0	166.9	180.6	193.2	218.5	242.2	263.8	283.3
115°	86.9	97.4	121.1	151.6	180.1	194.3	208.0	233.8	258.5	280.1	300.1
117.5°	97.4	107.4	131.6	162.2	191.7	205.9	219.6	246.4	271.2	293.8	313.3
120°	107.9	116.9	143.2	171.1	201.1	215.4	229.6	256.4	281.7	304.3	324.4
122.5°	117.4	125.8	151.6	179.0	208.5	223.3	237.0	264.3	290.1	312.8	332.3
125°	125.8	133.7	159.5	185.3	214.8	229.1	243.3	270.1	295.9	318.0	338.0
127.5°	134.3	142.2	165.3	191.7	219.0	233.8	247.5	274.3	299.6	322.3	341.7
130°	143.2	149.0	171.1	197.5	223.3	237.0	251.2	277.0	301.7	323.8	343.3
132.5°	150.6	155.9	176.9	202.2	226.4	239.6	252.2	278.0	302.8	323.8	342.8
135°	157.4	161.7	181.1	206.4	229.1	241.2	253.3	277.5	301.7	322.8	341.2
137.5°	163.8	168.0	184.8	209.6	231.2	241.7	253.3	275.9	299.1	320.1	337.5
140°	169.6	172.7	188.0	211.1	232.2	242.2	252.2	273.3	294.9	315.4	332.8
142.5°	175.3	178.0	190.6	212.2	232.7	242.2	251.7	270.1	290.1	310.1	327.5
145°	179.6	182.2	192.7	212.7	232.2	241.2	249.6	267.0	284.9	303.3	320.1
147.5°	184.3	186.4	194.8	211.7	230.6	239.1	247.0	262.8	279.1	295.9	311.7
150°	187.5	189.6	195.9	210.6	228.0	235.9	243.8	258.5	273.3	288.0	301.7
152.5°	190.6	192.2	197.5	209.0	224.8	232.2	239.6	253.8	267.5	280.7	292.8
155°	193.2	194.8	198.5	208.0	221.2	228.0	234.8	248.5	261.2	272.8	283.8
157.5°	195.9	196.9	199.6	206.4	216.9	223.3	229.6	241.7	253.3	264.9	273.8
160°	198.0	198.5	200.6	205.9	213.3	218.0	223.8	234.8	245.4	255.4	263.8
162.5°	200.1	200.1	201.7	204.8	210.1	213.3	217.5	226.9	236.4	245.4	253.3
165°	201.1	201.1	202.2	204.3	207.5	209.6	212.2	218.5	225.9	233.8	241.2
167.5°	202.2	202.2	202.7	203.8	205.9	206.9	208.0	212.2	216.9	222.7	228.5
170°	203.3	202.7	202.7	203.8	204.3	204.8	205.4	207.5	209.6	213.3	216.4
172.5°	203.3	202.7	202.7	203.3	203.3	203.3	203.3	203.8	204.3	206.4	207.5
175°	203.3	202.7	202.7	202.7	202.7	202.2	202.2	202.2	202.2	202.2	202.7
177.5°	203.3	202.7	202.2	202.2	201.7	201.7	201.1	201.1	200.6	200.6	200.6
180°	199.6	199.6	199.6	199.6	199.6	199.6	199.6	199.6	199.6	199.6	199.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	148.5	148.5	148.5	148.5	148.5	148.5	148.5	148.5	148.5	148.5
2.5°	149.0	149.0	148.5	148.5	148.0	148.0	147.4	146.9	146.4	146.4
5°	149.5	149.0	148.5	148.5	148.5	148.0	148.0	148.0	147.4	147.4
7.5°	149.5	149.5	149.5	149.0	149.0	149.0	149.0	149.0	148.5	148.5
10°	150.1	150.1	150.1	150.1	150.1	150.1	150.1	149.5	149.5	149.5
12.5°	150.1	150.1	150.1	150.6	150.6	150.6	150.6	150.6	150.6	150.6
15°	150.6	150.6	151.1	151.1	151.6	151.6	152.2	152.2	152.2	151.6
17.5°	150.1	150.6	151.1	151.6	152.2	152.2	152.7	152.7	152.7	152.7
20°	150.1	151.1	151.6	152.2	152.7	152.7	153.2	153.8	153.8	153.2
22.5°	149.5	150.6	151.1	152.2	152.7	152.7	153.8	153.8	153.8	153.8
25°	149.0	150.1	151.1	152.2	152.7	152.7	153.8	153.8	154.3	154.3
27.5°	148.0	149.0	150.6	151.6	152.2	152.7	153.2	153.8	153.8	153.8
30°	146.4	148.0	149.5	150.6	151.1	151.6	152.2	152.7	153.2	153.2
32.5°	144.3	145.9	147.4	149.0	149.5	150.1	151.1	151.6	151.6	151.6
35°	142.2	143.7	145.3	146.9	147.4	148.0	149.0	149.5	150.1	150.1
37.5°	139.0	140.6	142.2	143.7	144.3	145.3	146.4	146.9	146.9	146.9
40°	134.3	136.9	139.0	140.6	141.1	142.2	142.7	143.7	143.7	143.7
42.5°	130.1	132.2	133.7	135.9	136.4	138.0	139.0	139.5	140.1	140.1
45°	125.3	127.4	129.0	130.6	131.1	132.2	133.2	133.7	134.3	134.8
47.5°	120.6	122.2	123.7	125.3	125.8	126.9	128.0	128.5	129.0	129.0
50°	114.8	116.4	117.9	119.5	120.1	121.1	121.6	122.2	122.7	122.7
52.5°	108.5	110.1	111.6	113.2	113.7	114.3	115.3	115.8	116.4	116.4
55°	102.2	103.7	104.8	106.4	106.9	107.4	107.9	109.0	109.5	109.0
57.5°	94.8	96.4	97.4	99.0	99.5	100.0	100.6	101.1	101.6	101.6
60°	86.9	88.5	90.0	91.1	91.6	92.1	92.7	93.2	93.7	93.7
62.5°	79.0	80.6	81.6	83.2	83.7	83.7	84.2	84.8	85.3	85.3
65°	71.1	72.7	73.2	74.8	74.8	75.3	75.8	76.4	76.4	76.4
67.5°	62.7	64.2	64.8	65.8	65.8	66.3	66.9	67.4	67.4	67.4
70°	54.8	55.3	56.3	56.9	57.4	57.4	57.9	58.4	59.0	58.4
72.5°	46.3	46.9	47.9	48.4	48.4	49.0	49.0	49.5	50.0	50.0
75°	37.9	39.0	39.5	40.0	40.5	40.5	41.1	41.6	41.6	41.6
77.5°	30.0	31.1	31.6	32.1	32.6	32.6	33.2	33.2	33.7	33.2
80°	23.2	23.7	24.2	24.7	25.3	25.3	25.8	26.3	26.3	26.3
82.5°	16.8	17.4	18.4	19.0	19.0	19.0	20.0	20.0	20.5	20.0
85°	11.6	12.1	13.2	13.7	14.2	14.2	14.2	14.7	15.3	14.7
87.5°	7.4	8.4	9.0	9.5	9.5	9.5	10.0	10.5	10.5	10.5
90°	4.2	4.2	4.7	5.3	5.3	5.8	5.8	6.3	6.3	6.3
92.5°	4.2	4.7	4.7	4.7	5.3	5.3	5.3	5.8	5.8	5.8
95°	35.8	25.8	14.7	11.6	10.0	10.0	9.5	10.0	9.5	9.5
97.5°	108.5	117.4	121.6	127.4	130.6	130.1	128.0	130.1	128.5	130.1
100°	154.3	162.7	169.0	170.6	173.8	175.3	181.1	185.3	187.5	190.1
102.5°	191.7	201.7	209.0	213.3	216.4	218.5	225.4	231.7	234.8	237.0
105°	225.9	236.4	245.4	249.6	253.3	255.4	262.8	270.1	274.9	277.5
107.5°	253.3	265.4	274.9	281.2	284.9	288.6	297.5	304.9	310.7	313.3
110°	278.0	290.1	300.1	307.5	311.7	315.4	325.4	333.8	340.2	343.3



TEST NUMBER: P395351

CATALOG NUMBER: I3-CL-20L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	298.6	311.7	321.7	329.6	333.8	339.1	348.6	358.1	364.4	368.1
115°	315.4	329.1	339.6	348.1	352.8	357.5	368.6	378.1	384.4	387.0
117.5°	329.6	343.3	354.4	362.8	368.1	373.3	384.4	392.8	399.7	401.8
120°	341.2	354.9	366.0	375.4	380.7	385.4	396.0	404.9	411.2	412.8
122.5°	349.1	363.3	374.9	385.4	390.2	394.9	404.9	413.9	419.7	421.2
125°	354.9	369.6	381.2	392.3	397.0	401.8	411.2	420.2	424.9	427.0
127.5°	358.6	373.3	386.0	396.5	401.8	406.0	415.5	423.4	428.1	429.7
130°	359.6	374.9	387.5	398.6	403.3	407.6	416.5	424.4	428.6	429.7
132.5°	359.6	374.4	387.5	398.1	402.8	407.0	415.5	422.8	427.0	428.1
135°	357.5	371.7	384.9	395.4	400.2	404.4	412.8	419.1	423.4	423.9
137.5°	353.8	367.5	380.2	390.7	395.4	399.7	407.0	413.9	417.6	418.6
140°	349.1	361.7	374.4	384.4	389.1	392.8	400.2	406.0	409.7	410.7
142.5°	342.8	355.4	367.0	377.0	380.7	384.9	391.2	397.0	400.2	401.2
145°	335.9	348.1	358.6	367.5	371.7	375.4	381.2	386.5	389.7	390.7
147.5°	327.0	339.1	349.1	357.5	361.2	364.9	370.2	374.9	378.1	379.1
150°	315.9	327.0	337.5	345.4	349.1	352.8	358.1	362.3	365.4	366.0
152.5°	304.9	315.4	324.4	332.3	335.9	339.6	344.4	348.6	352.3	352.3
155°	294.3	303.3	311.7	318.6	321.7	324.9	329.6	333.3	336.5	336.5
157.5°	283.3	291.7	298.6	304.9	307.5	310.1	314.4	317.5	320.1	319.6
160°	272.8	279.1	285.4	290.7	293.3	295.4	298.6	301.2	303.8	303.3
162.5°	261.2	267.0	272.2	275.9	278.0	279.6	282.8	285.4	287.0	287.0
165°	248.0	253.3	258.0	261.7	263.8	264.9	267.5	269.1	270.6	270.6
167.5°	234.3	238.5	242.7	245.9	248.0	249.1	251.7	252.7	254.9	254.3
170°	220.6	223.8	226.9	229.6	230.6	231.7	233.8	234.8	235.9	235.9
172.5°	209.6	210.6	212.2	214.3	214.3	214.8	215.9	216.4	216.9	216.9
175°	203.3	203.8	203.8	203.8	203.8	203.8	204.3	203.8	204.3	203.8
177.5°	200.6	200.6	200.1	200.1	199.6	200.1	199.6	199.0	199.0	198.5
180°	199.6	199.6	199.6	199.6	199.6	199.6	199.6	199.6	199.6	199.6

(END OF REPORT)