

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: P395350

Luminaire Tested: **I3-CL-20L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395350
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 (4000K)
Description: CORELITE I3, CLEAR TOP COVER
2000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

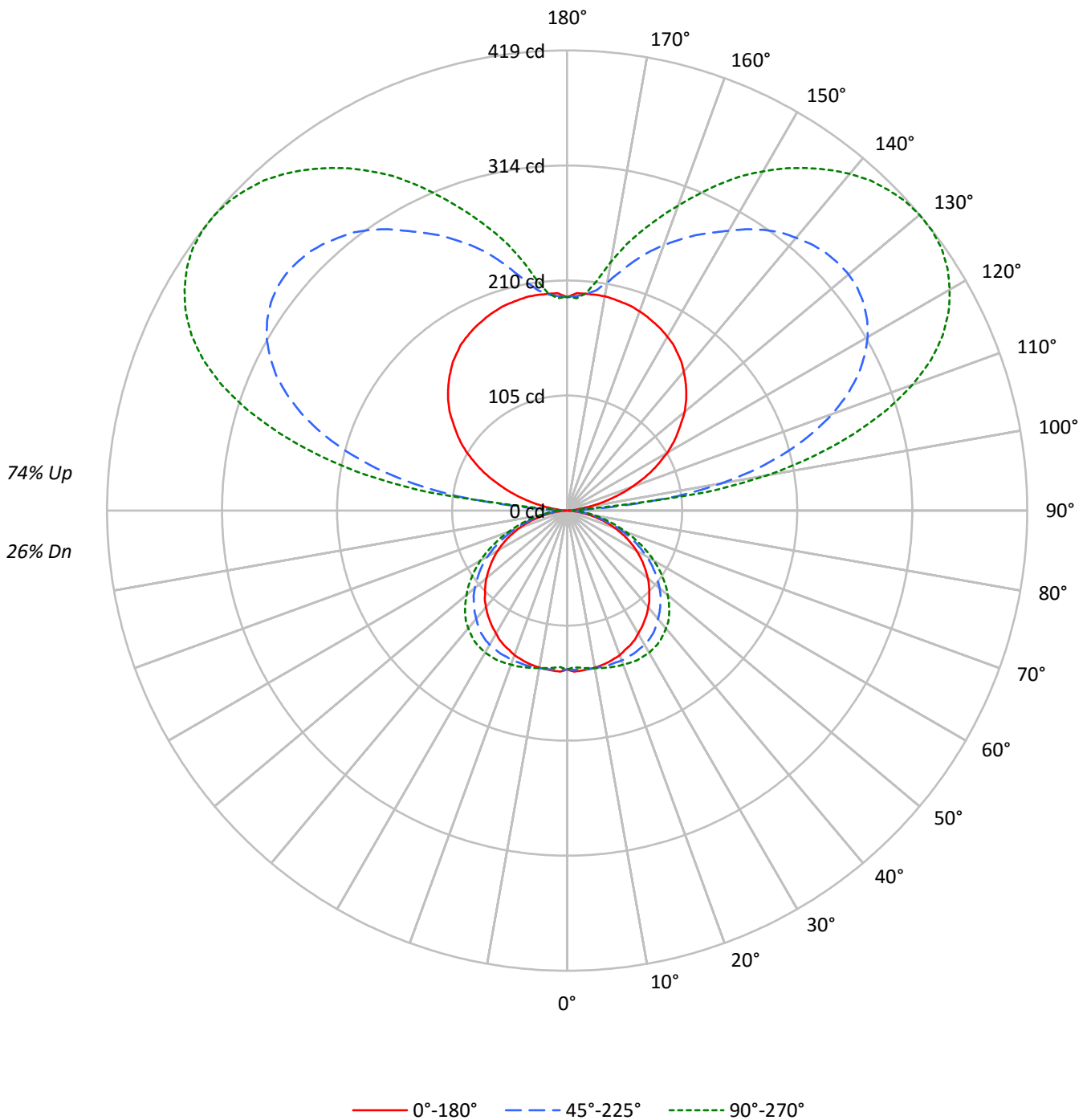
Lumens per Lamp: N/A
Luminaire Lumens: 1907.1 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 16.4
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





TEST NUMBER: P395350

CATALOG NUMBER: I3-CL-20L92765-1D-UNV-W2A-W-4 (4000K)

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°	795	795	795
5°	804	783	770
10°	804	777	768
15°	806	774	772
20°	807	774	779
25°	806	775	789
30°	801	776	795
35°	799	772	796
40°	797	756	786
45°	788	738	766
50°	781	713	732
55°	765	677	689
60°	746	629	636
65°	715	566	564
70°	665	481	478
75°	574	383	383
80°	444	273	281
85°	263	169	189



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	0.7
10°-20°	41.1	2.2
20°-30°	66.0	3.5
30°-40°	84.4	4.4
40°-50°	92.0	4.8
50°-60°	86.2	4.5
60°-70°	66.9	3.5
70°-80°	38.3	2.0
80°-90°	12.3	0.6
90°-100°	49.2	2.6
100°-110°	191.2	10.0
110°-120°	260.3	13.6
120°-130°	270.2	14.2
130°-140°	239.7	12.6
140°-150°	186.0	9.8
150°-160°	124.1	6.5
160°-170°	66.2	3.5
170°-180°	19.4	1.0
0°-30°	120.9	6.3
0°-40°	205.3	10.8
0°-60°	383.4	20.1
0°-90°	500.9	26.3
90°-120°	500.7	26.3
90°-150°	1196.6	62.7
90°-180°	1406.0	73.7
0°-180°	1907.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	145	145	145	145	145	
5°	146	145	145	145	144	14
15°	143	143	146	148	148	40
25°	136	136	144	149	150	62
35°	123	125	136	144	146	77
45°	106	110	120	128	131	82
55°	85	89	98	104	106	76
65°	60	63	68	73	74	59
75°	31	33	36	40	40	33
85°	6	7	11	14	14	7
90°	0	2	4	5	6	1
95°	6	35	48	10	9	8
105°	40	123	208	247	270	43
115°	85	189	292	344	377	83
125°	123	223	330	387	416	110
135°	153	235	332	390	413	118
145°	175	235	312	362	381	110
155°	188	222	277	314	328	87
165°	196	204	235	257	264	55
175°	198	197	198	199	199	19
180°	194	194	194	194	194	



TEST NUMBER: P395350

CATALOG NUMBER: I3-CL-20L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	144.7	144.7	144.7	144.7	144.7	144.7	144.7	144.7	144.7	144.7	144.7
2.5°	146.8	146.3	146.3	145.2	145.2	144.7	144.7	144.7	144.7	144.7	145.2
5°	146.3	146.3	145.7	145.2	145.2	144.7	144.7	144.7	144.7	144.7	145.2
7.5°	145.7	145.7	145.2	144.7	144.7	144.7	144.7	144.7	144.7	144.7	145.7
10°	145.2	145.2	144.7	144.2	144.2	144.2	144.2	144.7	144.7	144.7	145.7
12.5°	144.2	143.7	143.7	143.2	143.2	143.2	143.7	143.7	144.2	144.7	145.7
15°	143.2	143.2	142.7	142.2	142.7	142.7	142.7	143.2	143.7	144.2	145.7
17.5°	141.6	141.6	141.1	141.1	141.1	141.6	141.6	142.2	143.2	144.2	145.2
20°	140.1	139.6	139.6	139.6	140.1	140.1	140.6	141.6	142.2	143.7	145.2
22.5°	137.5	138.0	137.5	137.5	138.0	138.6	139.1	140.1	141.1	142.7	144.2
25°	135.5	135.5	135.5	135.5	136.5	136.5	137.5	138.6	140.1	141.6	143.7
27.5°	132.9	132.9	132.9	133.4	133.9	134.5	135.0	136.5	138.0	140.1	142.2
30°	129.3	129.3	129.3	129.3	130.9	131.4	132.4	134.5	136.0	138.6	141.1
32.5°	126.2	126.2	126.2	126.8	127.8	128.3	129.3	131.9	133.9	136.5	139.1
35°	122.7	122.7	123.2	123.2	124.7	125.2	126.2	128.3	130.4	133.4	136.5
37.5°	119.1	119.1	119.6	120.1	121.1	122.1	123.2	125.2	127.3	129.8	132.9
40°	115.0	115.0	115.5	116.0	117.5	118.5	119.6	121.6	123.7	126.2	128.8
42.5°	110.8	110.8	111.4	111.9	113.4	114.4	115.5	118.0	120.1	122.7	124.7
45°	105.7	106.2	106.7	107.8	109.3	110.3	111.4	113.4	116.0	118.0	120.1
47.5°	101.1	101.6	102.1	103.2	104.7	105.7	106.7	108.8	110.8	112.9	115.5
50°	96.0	96.5	97.0	98.0	99.6	100.6	101.6	103.7	105.7	107.3	109.8
52.5°	90.3	90.8	91.3	92.4	94.4	94.9	96.0	98.0	99.6	101.6	103.7
55°	84.7	85.2	85.7	86.7	88.3	89.3	89.8	91.9	93.4	95.5	97.5
57.5°	79.0	79.5	80.1	81.1	82.1	83.1	83.6	85.2	87.2	88.8	90.8
60°	72.9	73.4	73.9	74.4	76.0	76.5	77.0	78.5	80.1	82.1	83.6
62.5°	66.7	66.7	67.2	67.7	69.3	69.8	70.3	71.3	73.4	74.4	76.0
65°	60.0	60.0	60.6	61.1	62.1	62.6	63.1	64.1	65.7	66.7	68.3
67.5°	52.9	52.9	53.4	53.9	54.9	55.4	55.4	57.0	58.0	59.0	60.0
70°	46.2	46.2	46.7	46.7	47.2	47.7	48.2	49.3	49.8	51.3	51.8
72.5°	39.0	39.0	39.0	39.0	40.0	40.0	40.5	41.6	42.1	43.1	44.1
75°	31.3	31.3	31.8	31.8	32.3	32.8	33.4	33.9	34.9	35.4	35.9
77.5°	24.6	24.1	24.6	25.1	25.7	25.7	26.2	26.7	27.2	28.2	28.7
80°	17.4	17.4	17.4	18.0	18.5	18.5	19.0	19.5	20.0	21.0	21.6
82.5°	11.3	11.3	11.8	11.8	12.3	12.8	12.8	13.3	13.9	14.9	15.4
85°	6.2	6.2	6.2	6.7	7.2	7.2	7.7	8.2	9.2	9.8	10.8
87.5°	2.1	2.1	2.6	3.1	3.6	3.6	4.1	4.6	5.1	6.2	6.7
90°	0.5	0.5	0.5	1.0	1.0	1.5	1.5	2.1	2.6	3.1	3.6
92.5°	2.1	3.6	5.6	8.2	7.7	8.2	5.6	3.6	3.6	3.6	4.1
95°	6.2	9.2	14.9	23.6	30.8	34.9	38.5	42.1	49.3	49.8	47.7
97.5°	12.3	16.9	27.2	38.5	51.3	58.0	63.1	73.9	85.2	92.4	101.1
100°	20.5	27.2	40.5	55.9	70.8	79.5	87.8	103.2	117.0	129.3	142.7
102.5°	30.3	38.0	54.4	73.4	91.9	101.6	110.3	128.3	147.3	163.7	178.1
105°	40.5	49.3	68.8	90.3	111.4	122.7	133.4	152.9	172.9	190.9	207.8
107.5°	51.8	61.1	82.1	106.2	129.8	142.7	154.5	175.5	196.6	216.1	234.0
110°	62.6	72.9	94.9	121.1	147.8	160.6	172.4	195.5	217.6	238.1	257.1



TEST NUMBER: P395350

CATALOG NUMBER: I3-CL-20L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	73.9	84.7	106.7	135.5	162.7	176.0	188.3	213.0	236.1	257.1	276.1
115°	84.7	94.9	118.0	147.8	175.5	189.4	202.7	227.9	252.0	273.0	292.5
117.5°	94.9	104.7	128.3	158.1	186.8	200.7	214.0	240.2	264.3	286.4	305.3
120°	105.2	113.9	139.6	166.8	196.0	209.9	223.8	249.9	274.6	296.6	316.1
122.5°	114.4	122.7	147.8	174.5	203.2	217.6	230.9	257.6	282.8	304.8	323.8
125°	122.7	130.4	155.5	180.6	209.4	223.2	237.1	263.3	288.4	310.0	329.5
127.5°	130.9	138.6	161.1	186.8	213.5	227.9	241.2	267.4	292.0	314.1	333.1
130°	139.6	145.2	166.8	192.4	217.6	230.9	244.8	269.9	294.1	315.6	334.6
132.5°	146.8	151.9	172.4	197.1	220.7	233.5	245.8	271.0	295.1	315.6	334.1
135°	153.4	157.5	176.5	201.2	223.2	235.0	246.8	270.5	294.1	314.6	332.5
137.5°	159.6	163.7	180.1	204.2	225.3	235.6	246.8	268.9	291.5	312.0	329.0
140°	165.2	168.3	183.2	205.8	226.3	236.1	245.8	266.3	287.4	307.4	324.3
142.5°	170.9	173.5	185.8	206.8	226.8	236.1	245.3	263.3	282.8	302.3	319.2
145°	175.0	177.6	187.8	207.3	226.3	235.0	243.3	260.2	277.6	295.6	312.0
147.5°	179.6	181.7	189.9	206.3	224.8	233.0	240.7	256.1	272.0	288.4	303.8
150°	182.7	184.7	190.9	205.3	222.2	229.9	237.6	252.0	266.3	280.7	294.1
152.5°	185.8	187.3	192.4	203.7	219.1	226.3	233.5	247.4	260.7	273.5	285.3
155°	188.3	189.9	193.5	202.7	215.5	222.2	228.9	242.2	254.5	265.8	276.6
157.5°	190.9	191.9	194.5	201.2	211.4	217.6	223.8	235.6	246.8	258.1	266.9
160°	193.0	193.5	195.5	200.7	207.8	212.5	218.1	228.9	239.1	248.9	257.1
162.5°	195.0	195.0	196.6	199.6	204.8	207.8	211.9	221.2	230.4	239.1	246.8
165°	196.0	196.0	197.1	199.1	202.2	204.2	206.8	213.0	220.2	227.9	235.0
167.5°	197.1	197.1	197.6	198.6	200.7	201.7	202.7	206.8	211.4	217.1	222.7
170°	198.1	197.6	197.6	198.6	199.1	199.6	200.1	202.2	204.2	207.8	210.9
172.5°	198.1	197.6	197.6	198.1	198.1	198.1	198.1	198.6	199.1	201.2	202.2
175°	198.1	197.6	197.6	197.6	197.6	197.1	197.1	197.1	197.1	197.1	197.6
177.5°	198.1	197.6	197.1	197.1	196.6	196.6	196.0	196.0	195.5	195.5	195.5
180°	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5



TEST NUMBER: P395350

CATALOG NUMBER: I3-CL-20L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	144.7	144.7	144.7	144.7	144.7	144.7	144.7	144.7	144.7	144.7
2.5°	145.2	145.2	144.7	144.7	144.2	144.2	143.7	143.2	142.7	142.7
5°	145.7	145.2	144.7	144.7	144.7	144.2	144.2	144.2	143.7	143.7
7.5°	145.7	145.7	145.7	145.2	145.2	145.2	145.2	145.2	144.7	144.7
10°	146.3	146.3	146.3	146.3	146.3	146.3	146.3	145.7	145.7	145.7
12.5°	146.3	146.3	146.3	146.8	146.8	146.8	146.8	146.8	146.8	146.8
15°	146.8	146.8	147.3	147.3	147.8	147.8	148.3	148.3	148.3	147.8
17.5°	146.3	146.8	147.3	147.8	148.3	148.3	148.8	148.8	148.8	148.8
20°	146.3	147.3	147.8	148.3	148.8	148.8	149.3	149.9	149.9	149.3
22.5°	145.7	146.8	147.3	148.3	148.8	148.8	149.9	149.9	149.9	149.9
25°	145.2	146.3	147.3	148.3	148.8	148.8	149.9	149.9	150.4	150.4
27.5°	144.2	145.2	146.8	147.8	148.3	148.8	149.3	149.9	149.9	149.9
30°	142.7	144.2	145.7	146.8	147.3	147.8	148.3	148.8	149.3	149.3
32.5°	140.6	142.2	143.7	145.2	145.7	146.3	147.3	147.8	147.8	147.8
35°	138.6	140.1	141.6	143.2	143.7	144.2	145.2	145.7	146.3	146.3
37.5°	135.5	137.0	138.6	140.1	140.6	141.6	142.7	143.2	143.2	143.2
40°	130.9	133.4	135.5	137.0	137.5	138.6	139.1	140.1	140.1	140.1
42.5°	126.8	128.8	130.4	132.4	132.9	134.5	135.5	136.0	136.5	136.5
45°	122.1	124.2	125.7	127.3	127.8	128.8	129.8	130.4	130.9	131.4
47.5°	117.5	119.1	120.6	122.1	122.7	123.7	124.7	125.2	125.7	125.7
50°	111.9	113.4	115.0	116.5	117.0	118.0	118.5	119.1	119.6	119.6
52.5°	105.7	107.3	108.8	110.3	110.8	111.4	112.4	112.9	113.4	113.4
55°	99.6	101.1	102.1	103.7	104.2	104.7	105.2	106.2	106.7	106.2
57.5°	92.4	93.9	94.9	96.5	97.0	97.5	98.0	98.5	99.0	99.0
60°	84.7	86.2	87.8	88.8	89.3	89.8	90.3	90.8	91.3	91.3
62.5°	77.0	78.5	79.5	81.1	81.6	81.6	82.1	82.6	83.1	83.1
65°	69.3	70.8	71.3	72.9	72.9	73.4	73.9	74.4	74.4	74.4
67.5°	61.1	62.6	63.1	64.1	64.1	64.7	65.2	65.7	65.7	65.7
70°	53.4	53.9	54.9	55.4	55.9	55.9	56.5	57.0	57.5	57.0
72.5°	45.2	45.7	46.7	47.2	47.2	47.7	47.7	48.2	48.8	48.8
75°	36.9	38.0	38.5	39.0	39.5	39.5	40.0	40.5	40.5	40.5
77.5°	29.3	30.3	30.8	31.3	31.8	31.8	32.3	32.3	32.8	32.3
80°	22.6	23.1	23.6	24.1	24.6	24.6	25.1	25.7	25.7	25.7
82.5°	16.4	16.9	18.0	18.5	18.5	18.5	19.5	19.5	20.0	19.5
85°	11.3	11.8	12.8	13.3	13.9	13.9	13.9	14.4	14.9	14.4
87.5°	7.2	8.2	8.7	9.2	9.2	9.2	9.8	10.3	10.3	10.3
90°	4.1	4.1	4.6	5.1	5.1	5.6	5.6	6.2	6.2	6.2
92.5°	4.1	4.6	4.6	4.6	5.1	5.1	5.1	5.6	5.6	5.6
95°	34.9	25.1	14.4	11.3	9.8	9.8	9.2	9.8	9.2	9.2
97.5°	105.7	114.4	118.5	124.2	127.3	126.8	124.7	126.8	125.2	126.8
100°	150.4	158.6	164.7	166.3	169.4	170.9	176.5	180.6	182.7	185.3
102.5°	186.8	196.6	203.7	207.8	210.9	213.0	219.6	225.8	228.9	230.9
105°	220.2	230.4	239.1	243.3	246.8	248.9	256.1	263.3	267.9	270.5
107.5°	246.8	258.6	267.9	274.0	277.6	281.2	290.0	297.1	302.8	305.3
110°	271.0	282.8	292.5	299.7	303.8	307.4	317.2	325.4	331.5	334.6



TEST NUMBER: P395350

CATALOG NUMBER: I3-CL-20L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	291.0	303.8	313.6	321.3	325.4	330.5	339.7	349.0	355.1	358.7
115°	307.4	320.7	331.0	339.2	343.8	348.5	359.2	368.5	374.6	377.2
117.5°	321.3	334.6	345.4	353.6	358.7	363.9	374.6	382.8	389.5	391.6
120°	332.5	345.9	356.7	365.9	371.0	375.7	385.9	394.6	400.8	402.3
122.5°	340.2	354.1	365.4	375.7	380.3	384.9	394.6	403.4	409.0	410.6
125°	345.9	360.3	371.5	382.3	386.9	391.6	400.8	409.5	414.1	416.2
127.5°	349.5	363.9	376.2	386.4	391.6	395.7	404.9	412.6	417.2	418.8
130°	350.5	365.4	377.7	388.5	393.1	397.2	405.9	413.6	417.7	418.8
132.5°	350.5	364.9	377.7	388.0	392.6	396.7	404.9	412.1	416.2	417.2
135°	348.5	362.3	375.1	385.4	390.0	394.1	402.3	408.5	412.6	413.1
137.5°	344.9	358.2	370.5	380.8	385.4	389.5	396.7	403.4	407.0	408.0
140°	340.2	352.6	364.9	374.6	379.2	382.8	390.0	395.7	399.3	400.3
142.5°	334.1	346.4	357.7	367.4	371.0	375.1	381.3	386.9	390.0	391.1
145°	327.4	339.2	349.5	358.2	362.3	365.9	371.5	376.7	379.8	380.8
147.5°	318.7	330.5	340.2	348.5	352.0	355.6	360.8	365.4	368.5	369.5
150°	307.9	318.7	329.0	336.7	340.2	343.8	349.0	353.1	356.2	356.7
152.5°	297.1	307.4	316.1	323.8	327.4	331.0	335.6	339.7	343.3	343.3
155°	286.9	295.6	303.8	310.5	313.6	316.6	321.3	324.8	327.9	327.9
157.5°	276.1	284.3	291.0	297.1	299.7	302.3	306.4	309.5	312.0	311.5
160°	265.8	272.0	278.1	283.3	285.8	287.9	291.0	293.5	296.1	295.6
162.5°	254.5	260.2	265.3	268.9	271.0	272.5	275.6	278.1	279.7	279.7
165°	241.7	246.8	251.5	255.1	257.1	258.1	260.7	262.2	263.8	263.8
167.5°	228.4	232.5	236.6	239.7	241.7	242.7	245.3	246.3	248.4	247.9
170°	215.0	218.1	221.2	223.8	224.8	225.8	227.9	228.9	229.9	229.9
172.5°	204.2	205.3	206.8	208.9	208.9	209.4	210.4	210.9	211.4	211.4
175°	198.1	198.6	198.6	198.6	198.6	198.6	199.1	198.6	199.1	198.6
177.5°	195.5	195.5	195.0	195.0	194.5	195.0	194.5	194.0	194.0	193.5
180°	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5	194.5

(END OF REPORT)