

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: P395349

Luminaire Tested: **I3-CL-20L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395349
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 (3500K)
Description: CORELITE I3, CLEAR TOP COVER
2000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1848.8 lumens
Efficiency: N/A
Efficacy: 114.1 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

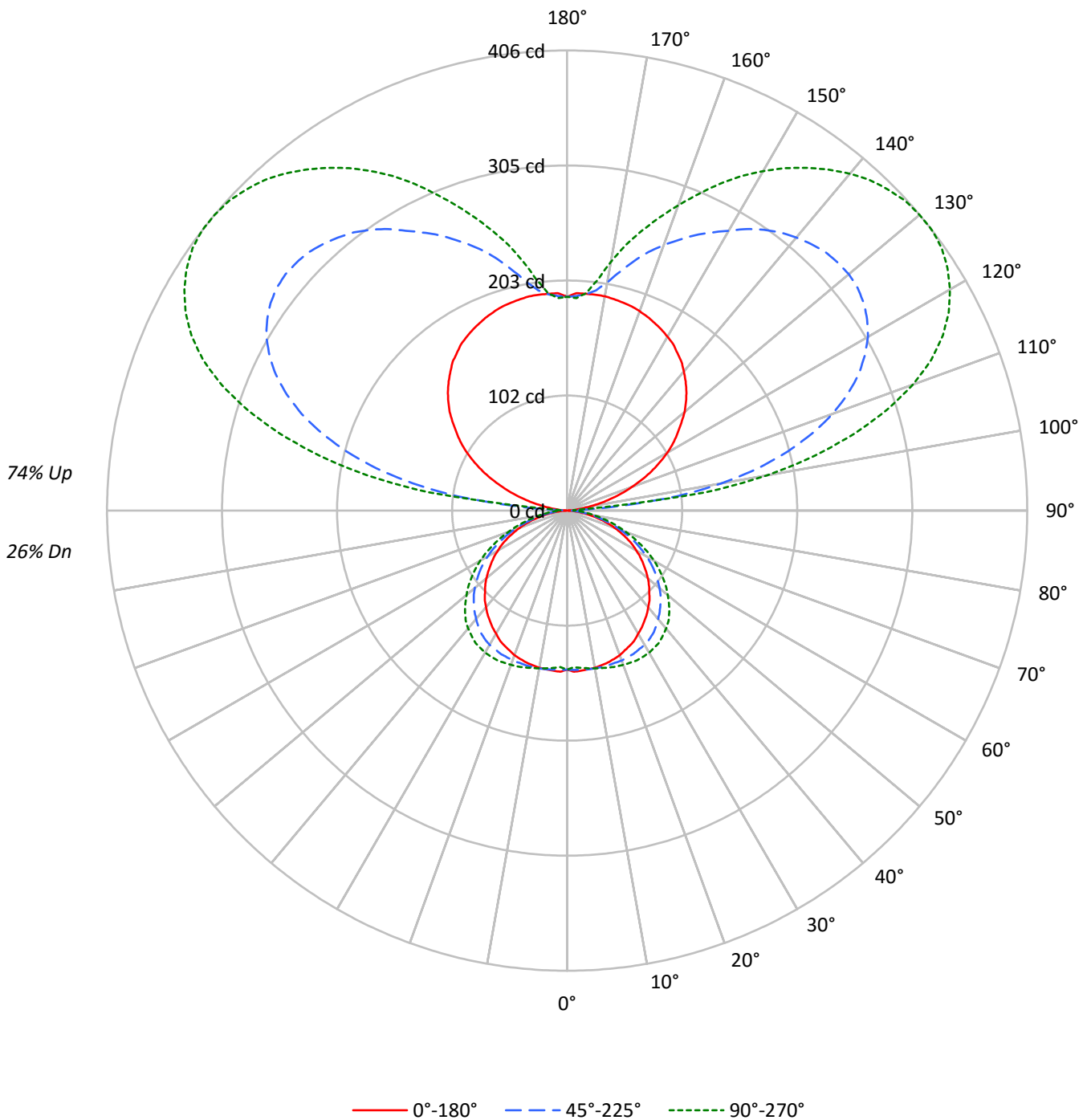
Input Watts (W): 16.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P395349

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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°	771	771	771
5°	779	759	747
10°	780	753	745
15°	781	751	749
20°	782	751	755
25°	781	752	765
30°	777	753	771
35°	775	748	771
40°	772	733	761
45°	764	715	743
50°	757	692	709
55°	742	656	669
60°	723	610	617
65°	694	548	547
70°	645	466	463
75°	555	371	372
80°	431	264	273
85°	255	162	182



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.4	0.7
10°-20°	39.9	2.2
20°-30°	63.9	3.5
30°-40°	81.8	4.4
40°-50°	89.2	4.8
50°-60°	83.5	4.5
60°-70°	64.8	3.5
70°-80°	37.1	2.0
80°-90°	11.9	0.6
90°-100°	47.7	2.6
100°-110°	185.4	10.0
110°-120°	252.4	13.6
120°-130°	262.0	14.2
130°-140°	232.4	12.6
140°-150°	180.3	9.8
150°-160°	120.3	6.5
160°-170°	64.1	3.5
170°-180°	18.8	1.0
0°-30°	117.2	6.3
0°-40°	199.0	10.8
0°-60°	371.7	20.1
0°-90°	485.6	26.3
90°-120°	485.4	26.3
90°-150°	1160.0	62.7
90°-180°	1363.0	73.7
0°-180°	1848.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	140	140	140	140	140	
5°	142	140	141	140	139	13
15°	139	138	141	143	143	39
25°	131	132	139	144	146	61
35°	119	121	132	139	142	74
45°	102	107	116	124	127	79
55°	82	87	94	101	103	73
65°	58	61	66	71	72	57
75°	30	32	35	38	39	32
85°	6	7	10	13	14	7
90°	0	2	4	5	6	1
95°	6	34	46	10	9	8
105°	39	119	202	239	262	42
115°	82	184	284	333	366	81
125°	119	216	319	375	404	106
135°	149	228	322	378	400	115
145°	170	228	302	351	369	106
155°	183	215	268	304	318	84
165°	190	198	228	249	256	54
175°	192	191	192	192	192	18
180°	189	189	189	189	189	



TEST NUMBER: P395349

CATALOG NUMBER: I3-CL-20L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3
2.5°	142.3	141.8	141.8	140.8	140.8	140.3	140.3	140.3	140.3	140.3	140.8
5°	141.8	141.8	141.3	140.8	140.8	140.3	140.3	140.3	140.3	140.3	140.8
7.5°	141.3	141.3	140.8	140.3	140.3	140.3	140.3	140.3	140.3	140.3	141.3
10°	140.8	140.8	140.3	139.8	139.8	139.8	139.8	140.3	140.3	140.3	141.3
12.5°	139.8	139.3	139.3	138.8	138.8	138.8	139.3	139.3	139.8	140.3	141.3
15°	138.8	138.8	138.3	137.8	138.3	138.3	138.3	138.8	139.3	139.8	141.3
17.5°	137.3	137.3	136.8	136.8	136.8	137.3	137.3	137.8	138.8	139.8	140.8
20°	135.8	135.3	135.3	135.3	135.8	135.8	136.3	137.3	137.8	139.3	140.8
22.5°	133.3	133.8	133.3	133.3	133.8	134.3	134.8	135.8	136.8	138.3	139.8
25°	131.3	131.3	131.3	131.3	132.3	132.3	133.3	134.3	135.8	137.3	139.3
27.5°	128.9	128.9	128.9	129.3	129.8	130.3	130.8	132.3	133.8	135.8	137.8
30°	125.4	125.4	125.4	125.4	126.9	127.4	128.4	130.3	131.8	134.3	136.8
32.5°	122.4	122.4	122.4	122.9	123.9	124.4	125.4	127.9	129.8	132.3	134.8
35°	118.9	118.9	119.4	119.4	120.9	121.4	122.4	124.4	126.4	129.3	132.3
37.5°	115.4	115.4	115.9	116.4	117.4	118.4	119.4	121.4	123.4	125.9	128.9
40°	111.4	111.4	111.9	112.4	113.9	114.9	115.9	117.9	119.9	122.4	124.9
42.5°	107.5	107.5	108.0	108.5	109.9	110.9	111.9	114.4	116.4	118.9	120.9
45°	102.5	103.0	103.5	104.5	106.0	107.0	108.0	109.9	112.4	114.4	116.4
47.5°	98.0	98.5	99.0	100.0	101.5	102.5	103.5	105.5	107.5	109.4	111.9
50°	93.0	93.5	94.0	95.0	96.5	97.5	98.5	100.5	102.5	104.0	106.5
52.5°	87.6	88.1	88.6	89.5	91.5	92.0	93.0	95.0	96.5	98.5	100.5
55°	82.1	82.6	83.1	84.1	85.6	86.6	87.1	89.1	90.5	92.5	94.5
57.5°	76.6	77.1	77.6	78.6	79.6	80.6	81.1	82.6	84.6	86.1	88.1
60°	70.6	71.1	71.6	72.1	73.6	74.1	74.6	76.1	77.6	79.6	81.1
62.5°	64.7	64.7	65.2	65.7	67.2	67.7	68.2	69.2	71.1	72.1	73.6
65°	58.2	58.2	58.7	59.2	60.2	60.7	61.2	62.2	63.7	64.7	66.2
67.5°	51.2	51.2	51.7	52.2	53.2	53.7	53.7	55.2	56.2	57.2	58.2
70°	44.8	44.8	45.3	45.3	45.8	46.3	46.8	47.8	48.3	49.7	50.2
72.5°	37.8	37.8	37.8	37.8	38.8	38.8	39.3	40.3	40.8	41.8	42.8
75°	30.3	30.3	30.8	30.8	31.3	31.8	32.3	32.8	33.8	34.3	34.8
77.5°	23.9	23.4	23.9	24.4	24.9	24.9	25.4	25.9	26.4	27.4	27.9
80°	16.9	16.9	16.9	17.4	17.9	17.9	18.4	18.9	19.4	20.4	20.9
82.5°	10.9	10.9	11.4	11.4	11.9	12.4	12.4	12.9	13.4	14.4	14.9
85°	6.0	6.0	6.0	6.5	7.0	7.0	7.5	8.0	9.0	9.5	10.4
87.5°	2.0	2.0	2.5	3.0	3.5	3.5	4.0	4.5	5.0	6.0	6.5
90°	0.5	0.5	0.5	1.0	1.0	1.5	1.5	2.0	2.5	3.0	3.5
92.5°	2.0	3.5	5.5	8.0	7.5	8.0	5.5	3.5	3.5	3.5	4.0
95°	6.0	9.0	14.4	22.9	29.8	33.8	37.3	40.8	47.8	48.3	46.3
97.5°	11.9	16.4	26.4	37.3	49.7	56.2	61.2	71.6	82.6	89.5	98.0
100°	19.9	26.4	39.3	54.2	68.7	77.1	85.1	100.0	113.4	125.4	138.3
102.5°	29.4	36.8	52.7	71.1	89.1	98.5	107.0	124.4	142.8	158.7	172.6
105°	39.3	47.8	66.7	87.6	108.0	118.9	129.3	148.3	167.7	185.1	201.5
107.5°	50.2	59.2	79.6	103.0	125.9	138.3	149.7	170.1	190.5	209.4	226.9
110°	60.7	70.6	92.0	117.4	143.3	155.7	167.2	189.5	210.9	230.8	249.2



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CATALOG NUMBER: I3-CL-20L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	71.6	82.1	103.5	131.3	157.7	170.6	182.6	206.5	228.8	249.2	267.7
115°	82.1	92.0	114.4	143.3	170.1	183.6	196.5	220.9	244.3	264.7	283.6
117.5°	92.0	101.5	124.4	153.2	181.1	194.5	207.5	232.8	256.2	277.6	296.0
120°	102.0	110.4	135.3	161.7	190.0	203.5	216.9	242.3	266.2	287.6	306.5
122.5°	110.9	118.9	143.3	169.1	197.0	210.9	223.9	249.7	274.1	295.5	313.9
125°	118.9	126.4	150.7	175.1	203.0	216.4	229.8	255.2	279.6	300.5	319.4
127.5°	126.9	134.3	156.2	181.1	207.0	220.9	233.8	259.2	283.1	304.5	322.9
130°	135.3	140.8	161.7	186.6	210.9	223.9	237.3	261.7	285.1	306.0	324.4
132.5°	142.3	147.3	167.2	191.0	213.9	226.4	238.3	262.7	286.1	306.0	323.9
135°	148.8	152.7	171.1	195.0	216.4	227.9	239.3	262.2	285.1	305.0	322.4
137.5°	154.7	158.7	174.6	198.0	218.4	228.4	239.3	260.7	282.6	302.5	318.9
140°	160.2	163.2	177.6	199.5	219.4	228.8	238.3	258.2	278.6	298.0	314.4
142.5°	165.7	168.2	180.1	200.5	219.9	228.8	237.8	255.2	274.1	293.0	309.4
145°	169.6	172.1	182.1	201.0	219.4	227.9	235.8	252.2	269.1	286.6	302.5
147.5°	174.1	176.1	184.1	200.0	217.9	225.9	233.3	248.3	263.7	279.6	294.5
150°	177.1	179.1	185.1	199.0	215.4	222.9	230.3	244.3	258.2	272.1	285.1
152.5°	180.1	181.6	186.6	197.5	212.4	219.4	226.4	239.8	252.7	265.2	276.6
155°	182.6	184.1	187.6	196.5	208.9	215.4	221.9	234.8	246.8	257.7	268.2
157.5°	185.1	186.1	188.6	195.0	205.0	210.9	216.9	228.4	239.3	250.2	258.7
160°	187.1	187.6	189.5	194.5	201.5	206.0	211.4	221.9	231.8	241.3	249.2
162.5°	189.0	189.0	190.5	193.5	198.5	201.5	205.5	214.4	223.4	231.8	239.3
165°	190.0	190.0	191.0	193.0	196.0	198.0	200.5	206.5	213.4	220.9	227.9
167.5°	191.0	191.0	191.5	192.5	194.5	195.5	196.5	200.5	205.0	210.4	215.9
170°	192.0	191.5	191.5	192.5	193.0	193.5	194.0	196.0	198.0	201.5	204.5
172.5°	192.0	191.5	191.5	192.0	192.0	192.0	192.0	192.5	193.0	195.0	196.0
175°	192.0	191.5	191.5	191.5	191.5	191.0	191.0	191.0	191.0	191.0	191.5
177.5°	192.0	191.5	191.0	191.0	190.5	190.5	190.0	190.0	189.5	189.5	189.5
180°	188.6	188.6	188.6	188.6	188.6	188.6	188.6	188.6	188.6	188.6	188.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3
2.5°	140.8	140.8	140.3	140.3	139.8	139.8	139.3	138.8	138.3	138.3
5°	141.3	140.8	140.3	140.3	140.3	139.8	139.8	139.8	139.3	139.3
7.5°	141.3	141.3	141.3	140.8	140.8	140.8	140.8	140.8	140.3	140.3
10°	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.3	141.3	141.3
12.5°	141.8	141.8	141.8	142.3	142.3	142.3	142.3	142.3	142.3	142.3
15°	142.3	142.3	142.8	142.8	143.3	143.3	143.8	143.8	143.8	143.3
17.5°	141.8	142.3	142.8	143.3	143.8	143.8	144.3	144.3	144.3	144.3
20°	141.8	142.8	143.3	143.8	144.3	144.3	144.8	145.3	145.3	144.8
22.5°	141.3	142.3	142.8	143.8	144.3	144.3	145.3	145.3	145.3	145.3
25°	140.8	141.8	142.8	143.8	144.3	144.3	145.3	145.3	145.8	145.8
27.5°	139.8	140.8	142.3	143.3	143.8	144.3	144.8	145.3	145.3	145.3
30°	138.3	139.8	141.3	142.3	142.8	143.3	143.8	144.3	144.8	144.8
32.5°	136.3	137.8	139.3	140.8	141.3	141.8	142.8	143.3	143.3	143.3
35°	134.3	135.8	137.3	138.8	139.3	139.8	140.8	141.3	141.8	141.8
37.5°	131.3	132.8	134.3	135.8	136.3	137.3	138.3	138.8	138.8	138.8
40°	126.9	129.3	131.3	132.8	133.3	134.3	134.8	135.8	135.8	135.8
42.5°	122.9	124.9	126.4	128.4	128.9	130.3	131.3	131.8	132.3	132.3
45°	118.4	120.4	121.9	123.4	123.9	124.9	125.9	126.4	126.9	127.4
47.5°	113.9	115.4	116.9	118.4	118.9	119.9	120.9	121.4	121.9	121.9
50°	108.5	109.9	111.4	112.9	113.4	114.4	114.9	115.4	115.9	115.9
52.5°	102.5	104.0	105.5	107.0	107.5	108.0	109.0	109.4	109.9	109.9
55°	96.5	98.0	99.0	100.5	101.0	101.5	102.0	103.0	103.5	103.0
57.5°	89.5	91.0	92.0	93.5	94.0	94.5	95.0	95.5	96.0	96.0
60°	82.1	83.6	85.1	86.1	86.6	87.1	87.6	88.1	88.6	88.6
62.5°	74.6	76.1	77.1	78.6	79.1	79.1	79.6	80.1	80.6	80.6
65°	67.2	68.7	69.2	70.6	70.6	71.1	71.6	72.1	72.1	72.1
67.5°	59.2	60.7	61.2	62.2	62.2	62.7	63.2	63.7	63.7	63.7
70°	51.7	52.2	53.2	53.7	54.2	54.2	54.7	55.2	55.7	55.2
72.5°	43.8	44.3	45.3	45.8	45.8	46.3	46.3	46.8	47.3	47.3
75°	35.8	36.8	37.3	37.8	38.3	38.3	38.8	39.3	39.3	39.3
77.5°	28.4	29.4	29.8	30.3	30.8	30.8	31.3	31.3	31.8	31.3
80°	21.9	22.4	22.9	23.4	23.9	23.9	24.4	24.9	24.9	24.9
82.5°	15.9	16.4	17.4	17.9	17.9	17.9	18.9	18.9	19.4	18.9
85°	10.9	11.4	12.4	12.9	13.4	13.4	13.4	13.9	14.4	13.9
87.5°	7.0	8.0	8.5	9.0	9.0	9.0	9.5	9.9	9.9	9.9
90°	4.0	4.0	4.5	5.0	5.0	5.5	5.5	6.0	6.0	6.0
92.5°	4.0	4.5	4.5	4.5	5.0	5.0	5.0	5.5	5.5	5.5
95°	33.8	24.4	13.9	10.9	9.5	9.5	9.0	9.5	9.0	9.0
97.5°	102.5	110.9	114.9	120.4	123.4	122.9	120.9	122.9	121.4	122.9
100°	145.8	153.7	159.7	161.2	164.2	165.7	171.1	175.1	177.1	179.6
102.5°	181.1	190.5	197.5	201.5	204.5	206.5	212.9	218.9	221.9	223.9
105°	213.4	223.4	231.8	235.8	239.3	241.3	248.3	255.2	259.7	262.2
107.5°	239.3	250.7	259.7	265.7	269.1	272.6	281.1	288.1	293.5	296.0
110°	262.7	274.1	283.6	290.5	294.5	298.0	307.5	315.4	321.4	324.4



TEST NUMBER: P395349

CATALOG NUMBER: I3-CL-20L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	282.1	294.5	304.0	311.4	315.4	320.4	329.3	338.3	344.3	347.8
115°	298.0	310.9	320.9	328.8	333.3	337.8	348.2	357.2	363.2	365.7
117.5°	311.4	324.4	334.8	342.8	347.8	352.7	363.2	371.1	377.6	379.6
120°	322.4	335.3	345.8	354.7	359.7	364.2	374.1	382.6	388.5	390.0
122.5°	329.8	343.3	354.2	364.2	368.6	373.1	382.6	391.0	396.5	398.0
125°	335.3	349.2	360.2	370.6	375.1	379.6	388.5	397.0	401.5	403.5
127.5°	338.8	352.7	364.7	374.6	379.6	383.6	392.5	400.0	404.5	406.0
130°	339.8	354.2	366.2	376.6	381.1	385.1	393.5	401.0	405.0	406.0
132.5°	339.8	353.7	366.2	376.1	380.6	384.6	392.5	399.5	403.5	404.5
135°	337.8	351.2	363.7	373.6	378.1	382.1	390.0	396.0	400.0	400.5
137.5°	334.3	347.3	359.2	369.1	373.6	377.6	384.6	391.0	394.5	395.5
140°	329.8	341.8	353.7	363.2	367.7	371.1	378.1	383.6	387.1	388.0
142.5°	323.9	335.8	346.8	356.2	359.7	363.7	369.6	375.1	378.1	379.1
145°	317.4	328.8	338.8	347.3	351.2	354.7	360.2	365.2	368.1	369.1
147.5°	308.9	320.4	329.8	337.8	341.3	344.8	349.7	354.2	357.2	358.2
150°	298.5	308.9	318.9	326.4	329.8	333.3	338.3	342.3	345.3	345.8
152.5°	288.1	298.0	306.5	313.9	317.4	320.9	325.4	329.3	332.8	332.8
155°	278.1	286.6	294.5	301.0	304.0	307.0	311.4	314.9	317.9	317.9
157.5°	267.7	275.6	282.1	288.1	290.5	293.0	297.0	300.0	302.5	302.0
160°	257.7	263.7	269.6	274.6	277.1	279.1	282.1	284.6	287.1	286.6
162.5°	246.8	252.2	257.2	260.7	262.7	264.2	267.2	269.6	271.1	271.1
165°	234.3	239.3	243.8	247.3	249.2	250.2	252.7	254.2	255.7	255.7
167.5°	221.4	225.4	229.3	232.3	234.3	235.3	237.8	238.8	240.8	240.3
170°	208.5	211.4	214.4	216.9	217.9	218.9	220.9	221.9	222.9	222.9
172.5°	198.0	199.0	200.5	202.5	202.5	203.0	204.0	204.5	205.0	205.0
175°	192.0	192.5	192.5	192.5	192.5	192.5	193.0	192.5	193.0	192.5
177.5°	189.5	189.5	189.0	189.0	188.6	189.0	188.6	188.1	188.1	187.6
180°	188.6	188.6	188.6	188.6	188.6	188.6	188.6	188.6	188.6	188.6

(END OF REPORT)