

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: P395352

Luminaire Tested: **I3-CL-20L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395352
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 (5000K)
Description: CORELITE I3, CLEAR TOP COVER
2000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1995.6 lumens
Efficiency: N/A
Efficacy: 120.2 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

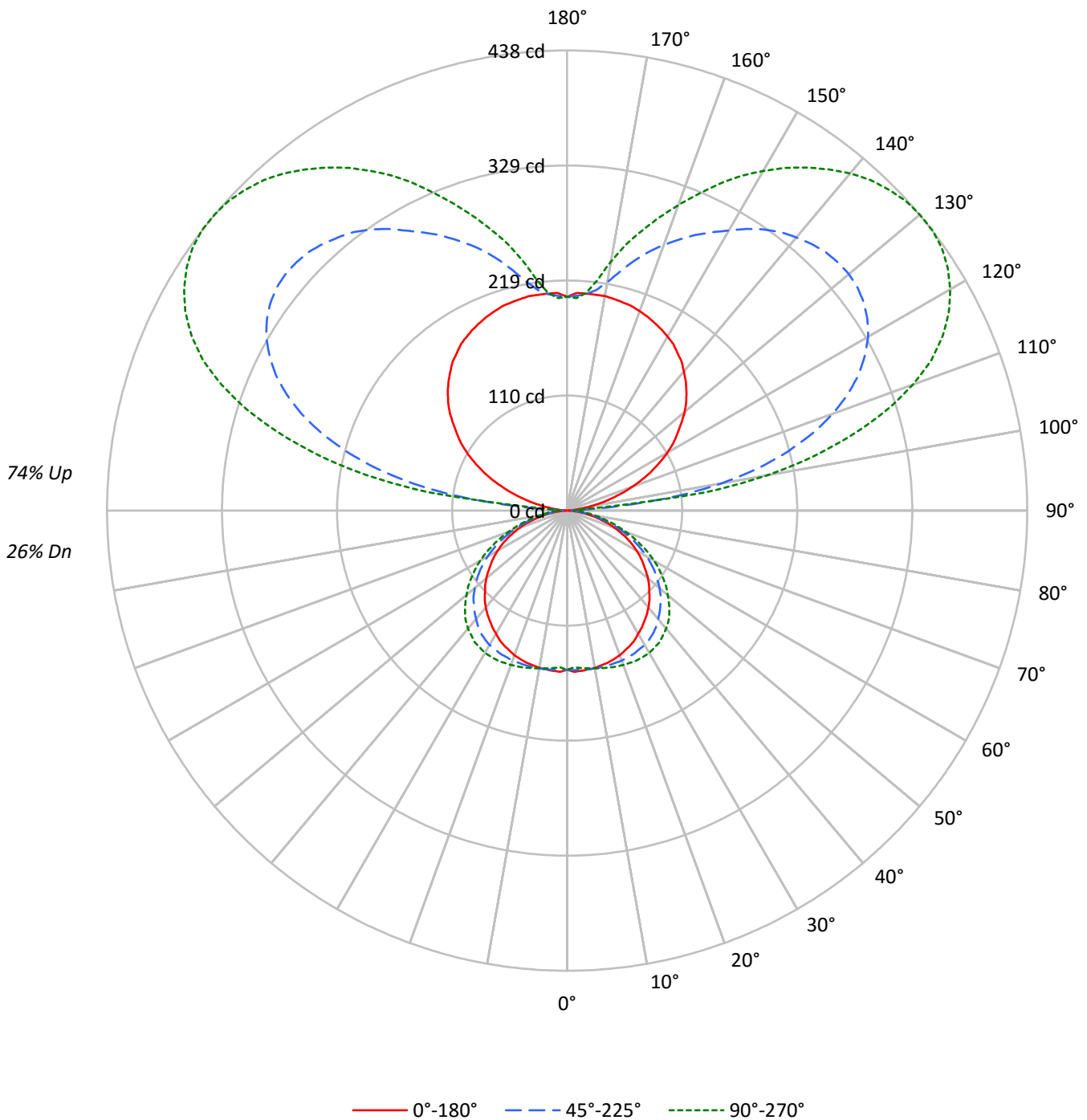
Input Watts (W): 16.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395352

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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°	832	832	832
5°	842	820	806
10°	842	813	804
15°	843	810	808
20°	844	811	815
25°	843	812	826
30°	838	813	832
35°	836	808	833
40°	833	791	822
45°	825	772	802
50°	817	746	766
55°	800	709	722
60°	781	659	666
65°	748	591	591
70°	695	503	500
75°	601	401	401
80°	467	285	295
85°	272	176	197



TEST NUMBER: P395352

CATALOG NUMBER: I3-CL-20L92765-1D-UNV-W2A-W-4 (5000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.5	0.7
10°-20°	43.0	2.2
20°-30°	69.0	3.5
30°-40°	88.3	4.4
40°-50°	96.2	4.8
50°-60°	90.2	4.5
60°-70°	70.0	3.5
70°-80°	40.1	2.0
80°-90°	12.8	0.6
90°-100°	51.5	2.6
100°-110°	200.1	10.0
110°-120°	272.4	13.6
120°-130°	282.8	14.2
130°-140°	250.8	12.6
140°-150°	194.6	9.8
150°-160°	129.9	6.5
160°-170°	69.2	3.5
170°-180°	20.3	1.0
0°-30°	126.6	6.3
0°-40°	214.8	10.8
0°-60°	401.3	20.1
0°-90°	524.1	26.3
90°-120°	524.0	26.3
90°-150°	1252.1	62.7
90°-180°	1471.0	73.7
0°-180°	1995.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	151	151	151	151	151	
5°	153	151	152	151	150	15
15°	150	149	152	155	155	42
25°	142	143	150	156	157	65
35°	128	131	143	150	153	80
45°	111	116	126	134	138	86
55°	89	93	102	109	111	79
65°	63	66	71	76	78	62
75°	33	34	38	41	42	35
85°	6	8	11	14	15	8
90°	0	2	4	5	6	1
95°	6	36	50	10	10	8
105°	42	128	218	258	283	45
115°	89	198	306	360	395	87
125°	128	234	345	405	436	115
135°	161	246	348	408	432	124
145°	183	246	326	379	398	115
155°	197	232	290	328	343	91
165°	205	214	246	269	276	58
175°	207	206	207	208	208	20
180°	204	204	204	204	204	



TEST NUMBER: P395352

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	151.4	151.4	151.4	151.4	151.4	151.4	151.4	151.4	151.4	151.4	151.4
2.5°	153.6	153.1	153.1	152.0	152.0	151.4	151.4	151.4	151.4	151.4	152.0
5°	153.1	153.1	152.5	152.0	152.0	151.4	151.4	151.4	151.4	151.4	152.0
7.5°	152.5	152.5	152.0	151.4	151.4	151.4	151.4	151.4	151.4	151.4	152.5
10°	152.0	152.0	151.4	150.9	150.9	150.9	150.9	151.4	151.4	151.4	152.5
12.5°	150.9	150.4	150.4	149.8	149.8	149.8	150.4	150.4	150.9	151.4	152.5
15°	149.8	149.8	149.3	148.8	149.3	149.3	149.3	149.8	150.4	150.9	152.5
17.5°	148.2	148.2	147.7	147.7	147.7	148.2	148.2	148.8	149.8	150.9	152.0
20°	146.6	146.1	146.1	146.1	146.6	146.6	147.1	148.2	148.8	150.4	152.0
22.5°	143.9	144.5	143.9	143.9	144.5	145.0	145.5	146.6	147.7	149.3	150.9
25°	141.8	141.8	141.8	141.8	142.8	142.8	143.9	145.0	146.6	148.2	150.4
27.5°	139.1	139.1	139.1	139.6	140.2	140.7	141.2	142.8	144.5	146.6	148.8
30°	135.3	135.3	135.3	135.3	136.9	137.5	138.6	140.7	142.3	145.0	147.7
32.5°	132.1	132.1	132.1	132.6	133.7	134.3	135.3	138.0	140.2	142.8	145.5
35°	128.3	128.3	128.9	128.9	130.5	131.0	132.1	134.3	136.4	139.6	142.8
37.5°	124.6	124.6	125.1	125.7	126.7	127.8	128.9	131.0	133.2	135.9	139.1
40°	120.3	120.3	120.8	121.4	123.0	124.1	125.1	127.3	129.4	132.1	134.8
42.5°	116.0	116.0	116.5	117.1	118.7	119.8	120.8	123.5	125.7	128.3	130.5
45°	110.6	111.2	111.7	112.8	114.4	115.5	116.5	118.7	121.4	123.5	125.7
47.5°	105.8	106.3	106.9	107.9	109.6	110.6	111.7	113.8	116.0	118.1	120.8
50°	100.4	101.0	101.5	102.6	104.2	105.3	106.3	108.5	110.6	112.2	114.9
52.5°	94.5	95.1	95.6	96.7	98.8	99.3	100.4	102.6	104.2	106.3	108.5
55°	88.6	89.1	89.7	90.8	92.4	93.4	94.0	96.1	97.7	99.9	102.0
57.5°	82.7	83.2	83.8	84.8	85.9	87.0	87.5	89.1	91.3	92.9	95.1
60°	76.3	76.8	77.3	77.9	79.5	80.0	80.6	82.2	83.8	85.9	87.5
62.5°	69.8	69.8	70.3	70.9	72.5	73.0	73.6	74.6	76.8	77.9	79.5
65°	62.8	62.8	63.4	63.9	65.0	65.5	66.1	67.1	68.7	69.8	71.4
67.5°	55.3	55.3	55.8	56.4	57.5	58.0	58.0	59.6	60.7	61.8	62.8
70°	48.3	48.3	48.9	48.9	49.4	49.9	50.5	51.6	52.1	53.7	54.2
72.5°	40.8	40.8	40.8	40.8	41.9	41.9	42.4	43.5	44.0	45.1	46.2
75°	32.8	32.8	33.3	33.3	33.8	34.4	34.9	35.4	36.5	37.1	37.6
77.5°	25.8	25.2	25.8	26.3	26.9	26.9	27.4	27.9	28.5	29.5	30.1
80°	18.3	18.3	18.3	18.8	19.3	19.3	19.9	20.4	20.9	22.0	22.6
82.5°	11.8	11.8	12.4	12.4	12.9	13.4	13.4	14.0	14.5	15.6	16.1
85°	6.4	6.4	6.4	7.0	7.5	7.5	8.1	8.6	9.7	10.2	11.3
87.5°	2.1	2.1	2.7	3.2	3.8	3.8	4.3	4.8	5.4	6.4	7.0
90°	0.5	0.5	0.5	1.1	1.1	1.6	1.6	2.1	2.7	3.2	3.8
92.5°	2.1	3.8	5.9	8.6	8.1	8.6	5.9	3.8	3.8	3.8	4.3
95°	6.4	9.7	15.6	24.7	32.2	36.5	40.3	44.0	51.6	52.1	49.9
97.5°	12.9	17.7	28.5	40.3	53.7	60.7	66.1	77.3	89.1	96.7	105.8
100°	21.5	28.5	42.4	58.5	74.1	83.2	91.8	107.9	122.4	135.3	149.3
102.5°	31.7	39.7	56.9	76.8	96.1	106.3	115.5	134.3	154.1	171.3	186.3
105°	42.4	51.6	72.0	94.5	116.5	128.3	139.6	160.0	181.0	199.8	217.5
107.5°	54.2	63.9	85.9	111.2	135.9	149.3	161.6	183.7	205.7	226.1	244.9
110°	65.5	76.3	99.3	126.7	154.7	168.1	180.4	204.6	227.7	249.2	269.0



TEST NUMBER: P395352

CATALOG NUMBER: I3-CL-20L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	77.3	88.6	111.7	141.8	170.2	184.2	197.1	222.9	247.0	269.0	288.9
115°	88.6	99.3	123.5	154.7	183.7	198.2	212.1	238.4	263.7	285.7	306.1
117.5°	99.3	109.6	134.3	165.4	195.5	210.0	223.9	251.3	276.6	299.7	319.5
120°	110.1	119.2	146.1	174.5	205.1	219.6	234.1	261.5	287.3	310.4	330.8
122.5°	119.8	128.3	154.7	182.6	212.7	227.7	241.7	269.6	295.9	319.0	338.9
125°	128.3	136.4	162.7	189.0	219.1	233.6	248.1	275.5	301.8	324.4	344.8
127.5°	136.9	145.0	168.6	195.5	223.4	238.4	252.4	279.8	305.6	328.7	348.5
130°	146.1	152.0	174.5	201.4	227.7	241.7	256.2	282.5	307.7	330.3	350.1
132.5°	153.6	159.0	180.4	206.2	230.9	244.3	257.2	283.5	308.8	330.3	349.6
135°	160.6	164.9	184.7	210.5	233.6	246.0	258.3	283.0	307.7	329.2	348.0
137.5°	167.0	171.3	188.5	213.7	235.8	246.5	258.3	281.4	305.0	326.5	344.2
140°	172.9	176.1	191.7	215.3	236.8	247.0	257.2	278.7	300.7	321.7	339.4
142.5°	178.8	181.5	194.4	216.4	237.4	247.0	256.7	275.5	295.9	316.3	334.0
145°	183.1	185.8	196.5	217.0	236.8	246.0	254.5	272.3	290.5	309.3	326.5
147.5°	188.0	190.1	198.7	215.9	235.2	243.8	251.9	268.0	284.6	301.8	317.9
150°	191.2	193.3	199.8	214.8	232.5	240.6	248.6	263.7	278.7	293.7	307.7
152.5°	194.4	196.0	201.4	213.2	229.3	236.8	244.3	258.8	272.8	286.2	298.6
155°	197.1	198.7	202.5	212.1	225.5	232.5	239.5	253.5	266.4	278.2	289.5
157.5°	199.8	200.8	203.5	210.5	221.3	227.7	234.1	246.5	258.3	270.1	279.2
160°	201.9	202.5	204.6	210.0	217.5	222.3	228.2	239.5	250.3	260.5	269.0
162.5°	204.1	204.1	205.7	208.9	214.3	217.5	221.8	231.5	241.1	250.3	258.3
165°	205.1	205.1	206.2	208.4	211.6	213.7	216.4	222.9	230.4	238.4	246.0
167.5°	206.2	206.2	206.8	207.8	210.0	211.0	212.1	216.4	221.3	227.2	233.1
170°	207.3	206.8	206.8	207.8	208.4	208.9	209.4	211.6	213.7	217.5	220.7
172.5°	207.3	206.8	206.8	207.3	207.3	207.3	207.3	207.8	208.4	210.5	211.6
175°	207.3	206.8	206.8	206.8	206.8	206.2	206.2	206.2	206.2	206.2	206.8
177.5°	207.3	206.8	206.2	206.2	205.7	205.7	205.1	205.1	204.6	204.6	204.6
180°	203.5	203.5	203.5	203.5	203.5	203.5	203.5	203.5	203.5	203.5	203.5



TEST NUMBER: P395352

CATALOG NUMBER: I3-CL-20L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	151.4	151.4	151.4	151.4	151.4	151.4	151.4	151.4	151.4	151.4
2.5°	152.0	152.0	151.4	151.4	150.9	150.9	150.4	149.8	149.3	149.3
5°	152.5	152.0	151.4	151.4	151.4	150.9	150.9	150.9	150.4	150.4
7.5°	152.5	152.5	152.5	152.0	152.0	152.0	152.0	152.0	151.4	151.4
10°	153.1	153.1	153.1	153.1	153.1	153.1	153.1	152.5	152.5	152.5
12.5°	153.1	153.1	153.1	153.6	153.6	153.6	153.6	153.6	153.6	153.6
15°	153.6	153.6	154.1	154.1	154.7	154.7	155.2	155.2	155.2	154.7
17.5°	153.1	153.6	154.1	154.7	155.2	155.2	155.7	155.7	155.7	155.7
20°	153.1	154.1	154.7	155.2	155.7	155.7	156.3	156.8	156.8	156.3
22.5°	152.5	153.6	154.1	155.2	155.7	155.7	156.8	156.8	156.8	156.8
25°	152.0	153.1	154.1	155.2	155.7	155.7	156.8	156.8	157.3	157.3
27.5°	150.9	152.0	153.6	154.7	155.2	155.7	156.3	156.8	156.8	156.8
30°	149.3	150.9	152.5	153.6	154.1	154.7	155.2	155.7	156.3	156.3
32.5°	147.1	148.8	150.4	152.0	152.5	153.1	154.1	154.7	154.7	154.7
35°	145.0	146.6	148.2	149.8	150.4	150.9	152.0	152.5	153.1	153.1
37.5°	141.8	143.4	145.0	146.6	147.1	148.2	149.3	149.8	149.8	149.8
40°	136.9	139.6	141.8	143.4	143.9	145.0	145.5	146.6	146.6	146.6
42.5°	132.6	134.8	136.4	138.6	139.1	140.7	141.8	142.3	142.8	142.8
45°	127.8	130.0	131.6	133.2	133.7	134.8	135.9	136.4	136.9	137.5
47.5°	123.0	124.6	126.2	127.8	128.3	129.4	130.5	131.0	131.6	131.6
50°	117.1	118.7	120.3	121.9	122.4	123.5	124.1	124.6	125.1	125.1
52.5°	110.6	112.2	113.8	115.5	116.0	116.5	117.6	118.1	118.7	118.7
55°	104.2	105.8	106.9	108.5	109.0	109.6	110.1	111.2	111.7	111.2
57.5°	96.7	98.3	99.3	101.0	101.5	102.0	102.6	103.1	103.6	103.6
60°	88.6	90.2	91.8	92.9	93.4	94.0	94.5	95.1	95.6	95.6
62.5°	80.6	82.2	83.2	84.8	85.4	85.4	85.9	86.5	87.0	87.0
65°	72.5	74.1	74.6	76.3	76.3	76.8	77.3	77.9	77.9	77.9
67.5°	63.9	65.5	66.1	67.1	67.1	67.7	68.2	68.7	68.7	68.7
70°	55.8	56.4	57.5	58.0	58.5	58.5	59.1	59.6	60.1	59.6
72.5°	47.3	47.8	48.9	49.4	49.4	49.9	49.9	50.5	51.0	51.0
75°	38.7	39.7	40.3	40.8	41.4	41.4	41.9	42.4	42.4	42.4
77.5°	30.6	31.7	32.2	32.8	33.3	33.3	33.8	33.8	34.4	33.8
80°	23.6	24.2	24.7	25.2	25.8	25.8	26.3	26.9	26.9	26.9
82.5°	17.2	17.7	18.8	19.3	19.3	19.3	20.4	20.4	20.9	20.4
85°	11.8	12.4	13.4	14.0	14.5	14.5	14.5	15.0	15.6	15.0
87.5°	7.5	8.6	9.1	9.7	9.7	9.7	10.2	10.7	10.7	10.7
90°	4.3	4.3	4.8	5.4	5.4	5.9	5.9	6.4	6.4	6.4
92.5°	4.3	4.8	4.8	4.8	5.4	5.4	5.4	5.9	5.9	5.9
95°	36.5	26.3	15.0	11.8	10.2	10.2	9.7	10.2	9.7	9.7
97.5°	110.6	119.8	124.1	130.0	133.2	132.6	130.5	132.6	131.0	132.6
100°	157.3	165.9	172.4	174.0	177.2	178.8	184.7	189.0	191.2	193.9
102.5°	195.5	205.7	213.2	217.5	220.7	222.9	229.8	236.3	239.5	241.7
105°	230.4	241.1	250.3	254.5	258.3	260.5	268.0	275.5	280.3	283.0
107.5°	258.3	270.7	280.3	286.8	290.5	294.3	303.4	310.9	316.8	319.5
110°	283.5	295.9	306.1	313.6	317.9	321.7	331.9	340.5	346.9	350.1



TEST NUMBER: P395352

CATALOG NUMBER: I3-CL-20L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	304.5	317.9	328.1	336.2	340.5	345.8	355.5	365.2	371.6	375.4
115°	321.7	335.6	346.4	355.0	359.8	364.6	375.9	385.6	392.0	394.7
117.5°	336.2	350.1	361.4	370.0	375.4	380.7	392.0	400.6	407.6	409.7
120°	348.0	361.9	373.2	382.9	388.3	393.1	403.8	413.0	419.4	421.0
122.5°	356.0	370.5	382.4	393.1	397.9	402.8	413.0	422.1	428.0	429.6
125°	361.9	377.0	388.8	400.1	404.9	409.7	419.4	428.5	433.4	435.5
127.5°	365.7	380.7	393.6	404.4	409.7	414.0	423.7	431.8	436.6	438.2
130°	366.8	382.4	395.2	406.5	411.4	415.7	424.8	432.8	437.1	438.2
132.5°	366.8	381.8	395.2	406.0	410.8	415.1	423.7	431.2	435.5	436.6
135°	364.6	379.1	392.6	403.3	408.1	412.4	421.0	427.5	431.8	432.3
137.5°	360.9	374.8	387.7	398.5	403.3	407.6	415.1	422.1	425.9	426.9
140°	356.0	368.9	381.8	392.0	396.9	400.6	408.1	414.0	417.8	418.9
142.5°	349.6	362.5	374.3	384.5	388.3	392.6	399.0	404.9	408.1	409.2
145°	342.6	355.0	365.7	374.8	379.1	382.9	388.8	394.2	397.4	398.5
147.5°	333.5	345.8	356.0	364.6	368.4	372.2	377.5	382.4	385.6	386.7
150°	322.2	333.5	344.2	352.3	356.0	359.8	365.2	369.5	372.7	373.2
152.5°	310.9	321.7	330.8	338.9	342.6	346.4	351.2	355.5	359.3	359.3
155°	300.2	309.3	317.9	324.9	328.1	331.3	336.2	339.9	343.2	343.2
157.5°	288.9	297.5	304.5	310.9	313.6	316.3	320.6	323.8	326.5	326.0
160°	278.2	284.6	291.1	296.4	299.1	301.3	304.5	307.2	309.9	309.3
162.5°	266.4	272.3	277.6	281.4	283.5	285.2	288.4	291.1	292.7	292.7
165°	252.9	258.3	263.1	266.9	269.0	270.1	272.8	274.4	276.0	276.0
167.5°	239.0	243.3	247.6	250.8	252.9	254.0	256.7	257.8	259.9	259.4
170°	225.0	228.2	231.5	234.1	235.2	236.3	238.4	239.5	240.6	240.6
172.5°	213.7	214.8	216.4	218.6	218.6	219.1	220.2	220.7	221.3	221.3
175°	207.3	207.8	207.8	207.8	207.8	207.8	208.4	207.8	208.4	207.8
177.5°	204.6	204.6	204.1	204.1	203.5	204.1	203.5	203.0	203.0	202.5
180°	203.5	203.5	203.5	203.5	203.5	203.5	203.5	203.5	203.5	203.5

(END OF REPORT)