

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: P395354

Luminaire Tested: **I3-CL-20L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395354  
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 (6500K)  
Description: CORELITE I3, CLEAR TOP COVER  
2000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2049.6 lumens  
Efficiency: N/A  
Efficacy: 120.6 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

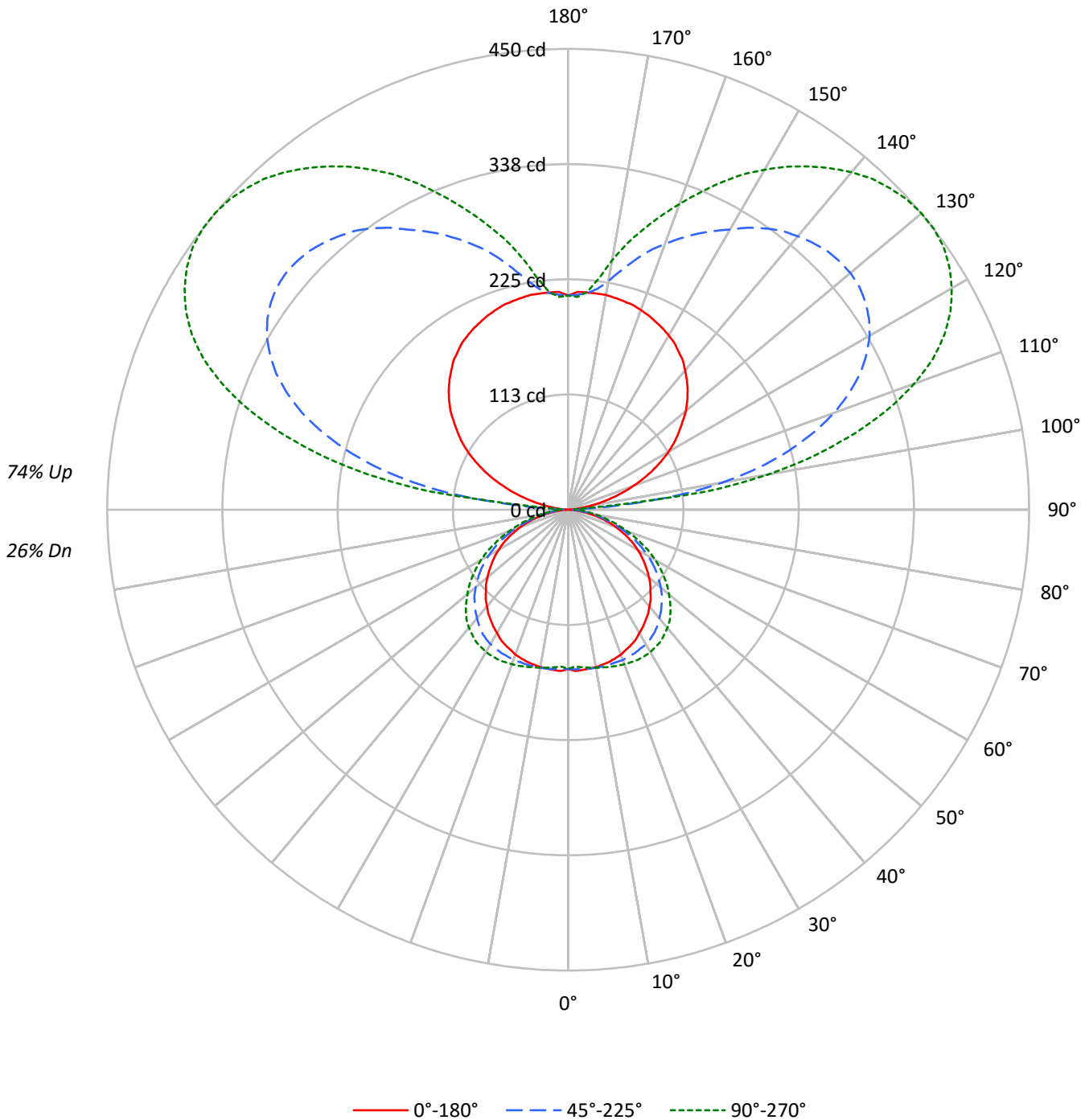
Input Watts (W): 17  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	855	855	855
5°	864	842	828
10°	865	835	826
15°	866	832	830
20°	867	833	837
25°	866	833	848
30°	861	835	854
35°	859	830	855
40°	856	812	844
45°	847	793	823
50°	839	766	786
55°	822	728	741
60°	802	677	684
65°	769	608	607
70°	714	517	513
75°	616	412	413
80°	479	293	302
85°	280	181	202



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.9	0.7
10°-20°	44.2	2.2
20°-30°	70.9	3.5
30°-40°	90.7	4.4
40°-50°	98.8	4.8
50°-60°	92.6	4.5
60°-70°	71.9	3.5
70°-80°	41.2	2.0
80°-90°	13.2	0.6
90°-100°	52.9	2.6
100°-110°	205.5	10.0
110°-120°	279.8	13.6
120°-130°	290.4	14.2
130°-140°	257.6	12.6
140°-150°	199.9	9.8
150°-160°	133.4	6.5
160°-170°	71.1	3.5
170°-180°	20.8	1.0
0°-30°	130.0	6.3
0°-40°	220.6	10.8
0°-60°	412.1	20.1
0°-90°	538.3	26.3
90°-120°	538.1	26.3
90°-150°	1286.0	62.7
90°-180°	1511.0	73.7
0°-180°	2049.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	156	156	156	156	156	
5°	157	156	156	156	154	15
15°	154	153	157	159	159	43
25°	146	147	154	160	162	67
35°	132	135	147	154	157	83
45°	114	119	129	137	141	88
55°	91	96	105	112	114	81
65°	64	67	73	78	80	64
75°	34	35	39	42	44	36
85°	7	8	12	15	15	8
90°	1	2	4	6	7	1
95°	7	38	51	10	10	9
105°	44	132	223	265	291	47
115°	91	204	314	370	405	90
125°	132	240	354	416	447	118
135°	165	253	357	419	444	127
145°	188	253	335	389	409	118
155°	202	239	297	337	352	93
165°	211	220	253	276	284	60
175°	213	212	212	213	213	20
180°	209	209	209	209	209	



TEST NUMBER: P395354

CATALOG NUMBER: I3-CL-20L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	155.5	155.5	155.5	155.5	155.5	155.5	155.5	155.5	155.5	155.5	155.5
2.5°	157.7	157.2	157.2	156.1	156.1	155.5	155.5	155.5	155.5	155.5	156.1
5°	157.2	157.2	156.6	156.1	156.1	155.5	155.5	155.5	155.5	155.5	156.1
7.5°	156.6	156.6	156.1	155.5	155.5	155.5	155.5	155.5	155.5	155.5	156.6
10°	156.1	156.1	155.5	155.0	155.0	155.0	155.0	155.5	155.5	155.5	156.6
12.5°	155.0	154.4	154.4	153.9	153.9	153.9	154.4	154.4	155.0	155.5	156.6
15°	153.9	153.9	153.3	152.8	153.3	153.3	153.3	153.9	154.4	155.0	156.6
17.5°	152.2	152.2	151.7	151.7	151.7	152.2	152.2	152.8	153.9	155.0	156.1
20°	150.6	150.0	150.0	150.0	150.6	150.6	151.1	152.2	152.8	154.4	156.1
22.5°	147.8	148.4	147.8	147.8	148.4	148.9	149.5	150.6	151.7	153.3	155.0
25°	145.6	145.6	145.6	145.6	146.7	146.7	147.8	148.9	150.6	152.2	154.4
27.5°	142.9	142.9	142.9	143.4	144.0	144.5	145.1	146.7	148.4	150.6	152.8
30°	139.0	139.0	139.0	139.0	140.6	141.2	142.3	144.5	146.2	148.9	151.7
32.5°	135.7	135.7	135.7	136.2	137.3	137.9	139.0	141.7	144.0	146.7	149.5
35°	131.8	131.8	132.4	132.4	134.0	134.6	135.7	137.9	140.1	143.4	146.7
37.5°	128.0	128.0	128.5	129.1	130.2	131.3	132.4	134.6	136.8	139.5	142.9
40°	123.5	123.5	124.1	124.6	126.3	127.4	128.5	130.7	132.9	135.7	138.4
42.5°	119.1	119.1	119.7	120.2	121.9	123.0	124.1	126.9	129.1	131.8	134.0
45°	113.6	114.2	114.7	115.8	117.5	118.6	119.7	121.9	124.6	126.9	129.1
47.5°	108.7	109.2	109.8	110.9	112.5	113.6	114.7	116.9	119.1	121.3	124.1
50°	103.1	103.7	104.2	105.3	107.0	108.1	109.2	111.4	113.6	115.3	118.0
52.5°	97.1	97.6	98.2	99.3	101.5	102.0	103.1	105.3	107.0	109.2	111.4
55°	91.0	91.6	92.1	93.2	94.9	96.0	96.5	98.7	100.4	102.6	104.8
57.5°	84.9	85.5	86.0	87.1	88.2	89.4	89.9	91.6	93.8	95.4	97.6
60°	78.3	78.9	79.4	80.0	81.6	82.2	82.7	84.4	86.0	88.2	89.9
62.5°	71.7	71.7	72.3	72.8	74.5	75.0	75.6	76.7	78.9	80.0	81.6
65°	64.5	64.5	65.1	65.6	66.7	67.3	67.8	68.9	70.6	71.7	73.4
67.5°	56.8	56.8	57.4	57.9	59.0	59.6	59.6	61.2	62.3	63.4	64.5
70°	49.6	49.6	50.2	50.2	50.7	51.3	51.8	52.9	53.5	55.2	55.7
72.5°	41.9	41.9	41.9	41.9	43.0	43.0	43.6	44.7	45.2	46.3	47.4
75°	33.6	33.6	34.2	34.2	34.7	35.3	35.9	36.4	37.5	38.1	38.6
77.5°	26.5	25.9	26.5	27.0	27.6	27.6	28.1	28.7	29.2	30.3	30.9
80°	18.8	18.8	18.8	19.3	19.9	19.9	20.4	21.0	21.5	22.6	23.2
82.5°	12.1	12.1	12.7	12.7	13.2	13.8	13.8	14.3	14.9	16.0	16.5
85°	6.6	6.6	6.6	7.2	7.7	7.7	8.3	8.8	9.9	10.5	11.6
87.5°	2.2	2.2	2.8	3.3	3.9	3.9	4.4	5.0	5.5	6.6	7.2
90°	0.6	0.6	0.6	1.1	1.1	1.7	1.7	2.2	2.8	3.3	3.9
92.5°	2.2	3.9	6.1	8.8	8.3	8.8	6.1	3.9	3.9	3.9	4.4
95°	6.6	9.9	16.0	25.4	33.1	37.5	41.4	45.2	52.9	53.5	51.3
97.5°	13.2	18.2	29.2	41.4	55.2	62.3	67.8	79.4	91.6	99.3	108.7
100°	22.1	29.2	43.6	60.1	76.1	85.5	94.3	110.9	125.8	139.0	153.3
102.5°	32.5	40.8	58.5	78.9	98.7	109.2	118.6	137.9	158.3	175.9	191.4
105°	43.6	52.9	73.9	97.1	119.7	131.8	143.4	164.4	185.9	205.2	223.4
107.5°	55.7	65.6	88.2	114.2	139.5	153.3	166.0	188.6	211.2	232.2	251.5
110°	67.3	78.3	102.0	130.2	158.8	172.6	185.3	210.1	233.9	255.9	276.3



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CATALOG NUMBER: I3-CL-20L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	79.4	91.0	114.7	145.6	174.8	189.2	202.4	228.9	253.7	276.3	296.7
115°	91.0	102.0	126.9	158.8	188.6	203.5	217.9	244.9	270.8	293.4	314.4
117.5°	102.0	112.5	137.9	169.9	200.8	215.7	230.0	258.1	284.0	307.8	328.2
120°	113.1	122.4	150.0	179.3	210.7	225.6	240.5	268.6	295.1	318.8	339.8
122.5°	123.0	131.8	158.8	187.5	218.4	233.9	248.2	276.9	303.9	327.6	348.0
125°	131.8	140.1	167.1	194.1	225.0	239.9	254.8	282.9	310.0	333.1	354.1
127.5°	140.6	148.9	173.2	200.8	229.4	244.9	259.2	287.4	313.8	337.5	358.0
130°	150.0	156.1	179.3	206.8	233.9	248.2	263.1	290.1	316.0	339.2	359.6
132.5°	157.7	163.3	185.3	211.8	237.2	251.0	264.2	291.2	317.1	339.2	359.1
135°	164.9	169.3	189.7	216.2	239.9	252.6	265.3	290.7	316.0	338.1	357.4
137.5°	171.5	175.9	193.6	219.5	242.1	253.2	265.3	289.0	313.3	335.3	353.5
140°	177.6	180.9	196.9	221.2	243.2	253.7	264.2	286.3	308.9	330.4	348.6
142.5°	183.7	186.4	199.7	222.3	243.8	253.7	263.6	282.9	303.9	324.9	343.1
145°	188.1	190.8	201.9	222.8	243.2	252.6	261.4	279.6	298.4	317.7	335.3
147.5°	193.0	195.2	204.1	221.7	241.6	250.4	258.7	275.2	292.3	310.0	326.5
150°	196.4	198.6	205.2	220.6	238.8	247.1	255.4	270.8	286.3	301.7	316.0
152.5°	199.7	201.3	206.8	219.0	235.5	243.2	251.0	265.8	280.2	294.0	306.7
155°	202.4	204.1	207.9	217.9	231.6	238.8	246.0	260.3	273.6	285.7	297.3
157.5°	205.2	206.3	209.0	216.2	227.2	233.9	240.5	253.2	265.3	277.4	286.8
160°	207.4	207.9	210.1	215.7	223.4	228.3	234.4	246.0	257.0	267.5	276.3
162.5°	209.6	209.6	211.2	214.6	220.1	223.4	227.8	237.7	247.6	257.0	265.3
165°	210.7	210.7	211.8	214.0	217.3	219.5	222.3	228.9	236.6	244.9	252.6
167.5°	211.8	211.8	212.3	213.4	215.7	216.8	217.9	222.3	227.2	233.3	239.4
170°	212.9	212.3	212.3	213.4	214.0	214.6	215.1	217.3	219.5	223.4	226.7
172.5°	212.9	212.3	212.3	212.9	212.9	212.9	212.9	213.4	214.0	216.2	217.3
175°	212.9	212.3	212.3	212.3	212.3	211.8	211.8	211.8	211.8	211.8	212.3
177.5°	212.9	212.3	211.8	211.8	211.2	211.2	210.7	210.7	210.1	210.1	210.1
180°	209.0	209.0	209.0	209.0	209.0	209.0	209.0	209.0	209.0	209.0	209.0



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	155.5	155.5	155.5	155.5	155.5	155.5	155.5	155.5	155.5	155.5
2.5°	156.1	156.1	155.5	155.5	155.0	155.0	154.4	153.9	153.3	153.3
5°	156.6	156.1	155.5	155.5	155.5	155.0	155.0	155.0	154.4	154.4
7.5°	156.6	156.6	156.6	156.1	156.1	156.1	156.1	156.1	155.5	155.5
10°	157.2	157.2	157.2	157.2	157.2	157.2	157.2	156.6	156.6	156.6
12.5°	157.2	157.2	157.2	157.7	157.7	157.7	157.7	157.7	157.7	157.7
15°	157.7	157.7	158.3	158.3	158.8	158.8	159.4	159.4	159.4	158.8
17.5°	157.2	157.7	158.3	158.8	159.4	159.4	159.9	159.9	159.9	159.9
20°	157.2	158.3	158.8	159.4	159.9	159.9	160.5	161.1	161.1	160.5
22.5°	156.6	157.7	158.3	159.4	159.9	159.9	161.1	161.1	161.1	161.1
25°	156.1	157.2	158.3	159.4	159.9	159.9	161.1	161.1	161.6	161.6
27.5°	155.0	156.1	157.7	158.8	159.4	159.9	160.5	161.1	161.1	161.1
30°	153.3	155.0	156.6	157.7	158.3	158.8	159.4	159.9	160.5	160.5
32.5°	151.1	152.8	154.4	156.1	156.6	157.2	158.3	158.8	158.8	158.8
35°	148.9	150.6	152.2	153.9	154.4	155.0	156.1	156.6	157.2	157.2
37.5°	145.6	147.3	148.9	150.6	151.1	152.2	153.3	153.9	153.9	153.9
40°	140.6	143.4	145.6	147.3	147.8	148.9	149.5	150.6	150.6	150.6
42.5°	136.2	138.4	140.1	142.3	142.9	144.5	145.6	146.2	146.7	146.7
45°	131.3	133.5	135.1	136.8	137.3	138.4	139.5	140.1	140.6	141.2
47.5°	126.3	128.0	129.6	131.3	131.8	132.9	134.0	134.6	135.1	135.1
50°	120.2	121.9	123.5	125.2	125.8	126.9	127.4	128.0	128.5	128.5
52.5°	113.6	115.3	116.9	118.6	119.1	119.7	120.8	121.3	121.9	121.9
55°	107.0	108.7	109.8	111.4	112.0	112.5	113.1	114.2	114.7	114.2
57.5°	99.3	100.9	102.0	103.7	104.2	104.8	105.3	105.9	106.4	106.4
60°	91.0	92.7	94.3	95.4	96.0	96.5	97.1	97.6	98.2	98.2
62.5°	82.7	84.4	85.5	87.1	87.7	87.7	88.2	88.8	89.4	89.4
65°	74.5	76.1	76.7	78.3	78.3	78.9	79.4	80.0	80.0	80.0
67.5°	65.6	67.3	67.8	68.9	68.9	69.5	70.0	70.6	70.6	70.6
70°	57.4	57.9	59.0	59.6	60.1	60.1	60.7	61.2	61.8	61.2
72.5°	48.5	49.1	50.2	50.7	50.7	51.3	51.3	51.8	52.4	52.4
75°	39.7	40.8	41.4	41.9	42.5	42.5	43.0	43.6	43.6	43.6
77.5°	31.4	32.5	33.1	33.6	34.2	34.2	34.7	34.7	35.3	34.7
80°	24.3	24.8	25.4	25.9	26.5	26.5	27.0	27.6	27.6	27.6
82.5°	17.6	18.2	19.3	19.9	19.9	19.9	21.0	21.0	21.5	21.0
85°	12.1	12.7	13.8	14.3	14.9	14.9	14.9	15.4	16.0	15.4
87.5°	7.7	8.8	9.4	9.9	9.9	9.9	10.5	11.0	11.0	11.0
90°	4.4	4.4	5.0	5.5	5.5	6.1	6.1	6.6	6.6	6.6
92.5°	4.4	5.0	5.0	5.0	5.5	5.5	5.5	6.1	6.1	6.1
95°	37.5	27.0	15.4	12.1	10.5	10.5	9.9	10.5	9.9	9.9
97.5°	113.6	123.0	127.4	133.5	136.8	136.2	134.0	136.2	134.6	136.2
100°	161.6	170.4	177.0	178.7	182.0	183.7	189.7	194.1	196.4	199.1
102.5°	200.8	211.2	219.0	223.4	226.7	228.9	236.1	242.7	246.0	248.2
105°	236.6	247.6	257.0	261.4	265.3	267.5	275.2	282.9	287.9	290.7
107.5°	265.3	278.0	287.9	294.5	298.4	302.2	311.6	319.3	325.4	328.2
110°	291.2	303.9	314.4	322.1	326.5	330.4	340.9	349.7	356.3	359.6





TEST NUMBER: P395354

CATALOG NUMBER: I3-CL-20L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	312.7	326.5	337.0	345.3	349.7	355.2	365.1	375.1	381.7	385.5
115°	330.4	344.7	355.7	364.6	369.5	374.5	386.1	396.0	402.6	405.4
117.5°	345.3	359.6	371.2	380.0	385.5	391.0	402.6	411.5	418.6	420.8
120°	357.4	371.7	383.3	393.3	398.8	403.7	414.8	424.1	430.8	432.4
122.5°	365.7	380.6	392.7	403.7	408.7	413.7	424.1	433.5	439.6	441.2
125°	371.7	387.2	399.3	410.9	415.9	420.8	430.8	440.1	445.1	447.3
127.5°	375.6	391.0	404.3	415.3	420.8	425.2	435.2	443.4	448.4	450.1
130°	376.7	392.7	405.9	417.5	422.5	426.9	436.3	444.5	449.0	450.1
132.5°	376.7	392.2	405.9	417.0	421.9	426.3	435.2	442.9	447.3	448.4
135°	374.5	389.4	403.2	414.2	419.2	423.6	432.4	439.0	443.4	444.0
137.5°	370.6	385.0	398.2	409.2	414.2	418.6	426.3	433.5	437.4	438.5
140°	365.7	378.9	392.2	402.6	407.6	411.5	419.2	425.2	429.1	430.2
142.5°	359.1	372.3	384.4	394.9	398.8	403.2	409.8	415.9	419.2	420.3
145°	351.9	364.6	375.6	385.0	389.4	393.3	399.3	404.8	408.1	409.2
147.5°	342.5	355.2	365.7	374.5	378.4	382.2	387.7	392.7	396.0	397.1
150°	330.9	342.5	353.5	361.8	365.7	369.5	375.1	379.5	382.8	383.3
152.5°	319.3	330.4	339.8	348.0	351.9	355.7	360.7	365.1	369.0	369.0
155°	308.3	317.7	326.5	333.7	337.0	340.3	345.3	349.1	352.4	352.4
157.5°	296.7	305.6	312.7	319.3	322.1	324.9	329.3	332.6	335.3	334.8
160°	285.7	292.3	298.9	304.5	307.2	309.4	312.7	315.5	318.2	317.7
162.5°	273.6	279.6	285.2	289.0	291.2	292.9	296.2	298.9	300.6	300.6
165°	259.8	265.3	270.3	274.1	276.3	277.4	280.2	281.8	283.5	283.5
167.5°	245.4	249.9	254.3	257.6	259.8	260.9	263.6	264.7	266.9	266.4
170°	231.1	234.4	237.7	240.5	241.6	242.7	244.9	246.0	247.1	247.1
172.5°	219.5	220.6	222.3	224.5	224.5	225.0	226.1	226.7	227.2	227.2
175°	212.9	213.4	213.4	213.4	213.4	213.4	214.0	213.4	214.0	213.4
177.5°	210.1	210.1	209.6	209.6	209.0	209.6	209.0	208.5	208.5	207.9
180°	209.0	209.0	209.0	209.0	209.0	209.0	209.0	209.0	209.0	209.0

(END OF REPORT)