

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: iO LED

Report Number: P295360

Luminaire Tested: **LM-10L-927-120-UNV-S-STD-1F**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P295360  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A1813875D001)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: iO LED  
Catalog Number: LM-10L-927-120-UNV-S-STD-1F  
Description: CoviO LED ARCHITECTURAL COVE LUMINAIRE.  
1000 LUMENS PER FOOT, 12 INCH FIXTURE.  
Light Source: (42) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: INTEGRAL ELECTRONIC DRIVER

**Summary**

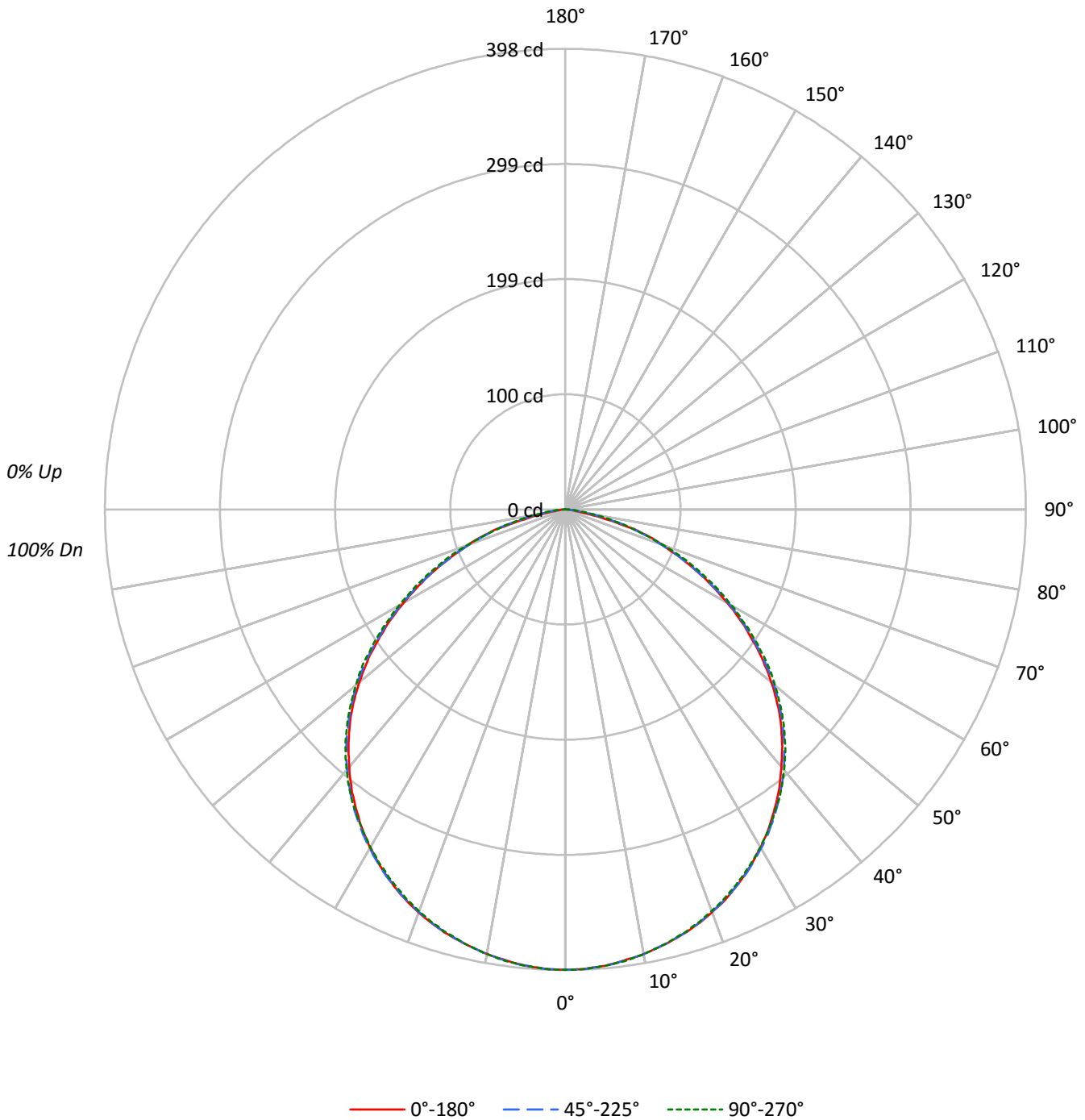
Lumens per Lamp: N/A  
Luminaire Lumens: 1078.5 lumens  
Efficiency: N/A  
Efficacy: 108.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38  
Luminous Opening: Rectangular (W 0.04m x L: 0.3m x H: 0m)  
CIE Type: Direct

Input Watts (W): 9.9  
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



TEST NUMBER: P295360  
CATALOG NUMBER: LM-10L-927-120-UNV-S-STD-1F

### Luminous Intensity Polar Plot





TEST NUMBER: P295360

CATALOG NUMBER: LM-10L-927-120-UNV-S-STD-1F

**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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	52	40	33	27	39	32	27	38	32	27	37	31	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	34904	34904	34904
5°	34852	34848	34852
10°	34738	34752	34756
15°	34673	34664	34618
20°	34595	34562	34483
25°	34427	34452	34311
30°	34205	34266	34135
35°	33796	34005	33925
40°	33265	33614	33689
45°	32701	32974	33160
50°	31701	32090	32261
55°	30250	30487	30984
60°	28351	28649	29088
65°	25800	25873	26734
70°	22698	22377	23185
75°	16709	18522	18370
80°	6062	10381	12528
85°	3623	4781	7850



TEST NUMBER: P295360  
 CATALOG NUMBER: LM-10L-927-120-UNV-S-STD-1F

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.6	3.5
10°-20°	107.7	10.0
20°-30°	163.9	15.2
30°-40°	198.3	18.4
40°-50°	204.7	19.0
50°-60°	178.6	16.6
60°-70°	124.0	11.5
70°-80°	56.3	5.2
80°-90°	7.5	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	309.3	28.7
0°-40°	507.6	47.1
0°-60°	890.8	82.6
0°-90°	1078.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1078.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	398	398	398	398	398	
5°	396	396	396	396	396	38
15°	382	382	382	382	381	108
25°	356	356	356	355	354	164
35°	316	316	318	318	317	197
45°	264	264	266	267	267	203
55°	198	198	199	201	203	177
65°	124	125	125	126	129	123
75°	49	55	55	53	54	53
85°	4	4	5	6	8	5
90°	0	1	1	1	1	



TEST NUMBER: P295360

CATALOG NUMBER: LM-10L-927-120-UNV-S-STD-1F

**CANDELA DISTRIBUTION (FULL):**

	0°	30°	60°	90°
0°	397.9	397.9	397.9	397.9
1°	397.8	397.8	397.8	397.8
2°	397.6	397.5	397.6	397.6
3°	397.0	397.1	397.3	397.2
4°	396.5	396.4	396.5	396.5
5°	395.8	395.7	395.8	395.8
6°	394.8	394.9	395.0	395.0
7°	393.7	393.7	393.9	394.1
8°	392.5	392.6	392.9	393.0
9°	391.5	391.2	391.6	391.6
10°	390.0	390.1	390.2	390.2
11°	388.7	388.6	388.6	388.5
12°	387.0	387.2	386.9	387.0
13°	385.5	385.5	385.2	385.2
14°	383.7	383.6	383.4	383.3
15°	381.8	381.8	381.6	381.2
16°	380.0	379.9	379.5	379.4
17°	377.7	377.8	377.4	376.9
18°	375.7	375.5	375.0	374.8
19°	373.1	373.0	372.7	372.0
20°	370.6	370.5	370.0	369.4
21°	368.0	367.9	367.6	366.7
22°	365.3	365.2	364.6	364.0
23°	362.2	362.4	361.8	360.8
24°	359.1	359.3	358.8	357.9
25°	355.7	356.1	355.8	354.5
26°	352.4	352.9	352.6	351.4
27°	348.8	349.5	349.3	347.7
28°	345.2	345.6	345.7	344.4
29°	341.1	341.8	342.2	340.6
30°	337.7	338.0	338.6	337.0
31°	333.2	334.1	334.8	333.0
32°	329.2	330.0	331.0	329.2
33°	324.8	325.5	326.9	325.0
34°	320.0	321.4	322.7	321.2
35°	315.6	316.7	318.4	316.8
36°	310.7	312.1	313.8	312.9
37°	306.2	307.4	309.2	308.4
38°	301.0	302.6	304.3	303.8
39°	295.9	297.6	299.6	299.0
40°	290.5	292.3	294.8	294.2
41°	285.3	287.0	289.5	289.2
42°	280.1	281.4	284.3	284.0
43°	274.7	276.0	278.8	278.8
44°	269.2	270.0	273.5	272.9



TEST NUMBER: P295360

CATALOG NUMBER: LM-10L-927-120-UNV-S-STD-1F

**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°
45°	263.6	264.2	267.4	267.3
46°	257.7	258.0	262.0	261.4
47°	251.9	252.2	255.8	255.3
48°	245.2	245.9	249.8	249.0
49°	239.1	239.7	243.3	243.0
50°	232.3	233.2	237.1	236.4
51°	226.0	226.5	230.2	230.5
52°	218.8	218.8	223.5	223.8
53°	212.6	212.5	216.4	217.4
54°	205.2	205.5	209.0	209.3
55°	197.8	197.8	200.9	202.6
56°	190.8	191.0	194.3	195.0
57°	184.1	184.2	186.6	188.0
58°	176.4	177.1	179.2	180.2
59°	169.4	170.3	171.2	173.4
60°	161.6	162.8	163.8	165.8
61°	153.9	155.6	155.5	158.6
62°	146.6	148.0	147.8	151.4
63°	139.2	140.5	139.9	143.9
64°	131.8	132.6	132.0	136.4
65°	124.3	124.9	124.4	128.8
66°	116.7	117.2	116.8	121.4
67°	109.2	109.2	109.4	114.0
68°	101.8	101.8	101.8	106.6
69°	94.8	94.6	94.4	98.7
70°	88.5	87.5	87.0	90.4
71°	82.6	80.8	79.8	82.4
72°	76.1	74.4	72.7	74.9
73°	68.6	68.4	65.7	67.6
74°	61.6	62.8	59.2	60.6
75°	49.3	56.3	53.0	54.2
76°	40.8	46.9	46.8	47.7
77°	32.0	39.2	40.0	41.6
78°	25.1	33.1	35.2	35.9
79°	17.5	23.0	30.0	30.1
80°	12.0	15.6	25.5	24.8
81°	9.2	11.0	20.8	20.2
82°	7.4	8.4	15.6	16.9
83°	5.9	6.6	10.3	13.0
84°	4.8	5.4	6.8	10.4
85°	3.6	4.2	5.3	7.8
86°	2.6	3.2	4.0	5.6
87°	1.9	2.4	3.1	4.2
88°	1.3	1.8	2.4	3.0
89°	0.8	1.2	1.8	2.2



TEST NUMBER: P295360

CATALOG NUMBER: LM-10L-927-120-UNV-S-STD-1F

**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°
90°	0.5	0.9	1.2	1.3

(END OF REPORT)