

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P315756

Luminaire Tested: **LDA2B15WFL9030D010 PINW1MMS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P315756  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1809-951-61)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA2B15WFL9030D010 PINW1MMS  
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND  
2in Adj PinHole, White oculus, matte metallic silver finish  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1002.4 lumens  
Efficiency: N/A  
Efficacy: 71.1 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.68  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

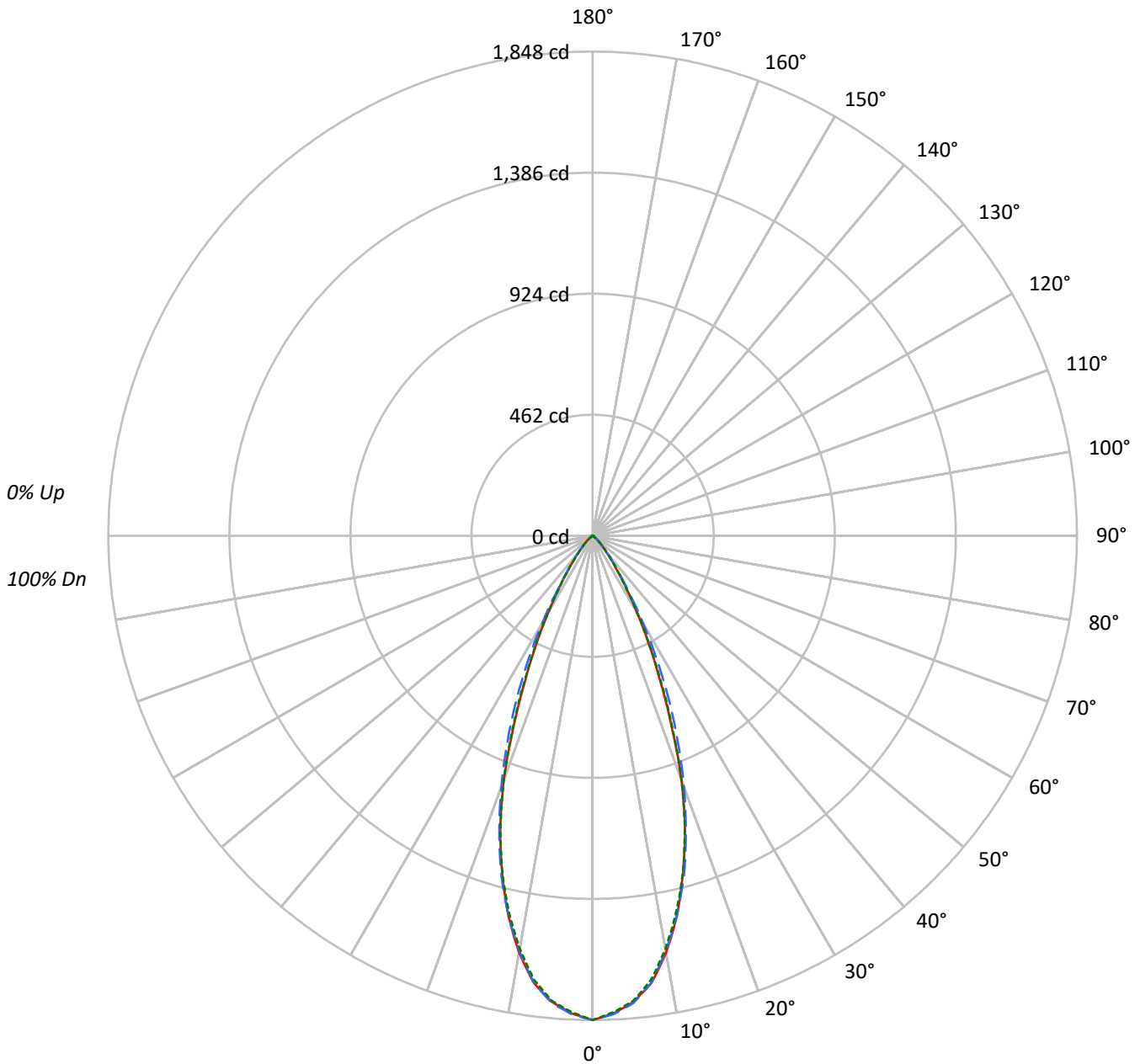
Input Watts (W): 14.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94																			
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89																			
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84																			
4	100	93	88	84	98	92	87	83	90	86	82	88	84	81	86	83	81	79																			
5	95	88	82	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75																			
6	91	83	78	74	90	82	77	74	81	77	73	80	76	73	78	75	72	71																			
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	67																			
8	84	75	70	66	83	75	70	66	74	69	66	73	69	66	72	68	65	64																			
9	81	72	67	63	80	71	66	63	71	66	63	70	66	63	69	65	62	61																			
10	77	69	64	60	76	68	63	60	68	63	60	67	63	60	66	62	60	58																			

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

	0°	45°	90°
0°	911733	911733	911733
5°	884361	886491	882479
10°	809472	806215	801406
15°	680902	687184	679778
20°	520667	534528	519827
25°	330647	372781	337071
30°	192326	217107	195687
35°	101665	108110	101967
40°	53648	56096	53648
45°	30002	31118	30351
50°	14046	17730	14046
55°	5075	9720	5591
60°	5822	5822	5822
65°	6304	6888	6304
70°	7789	6924	7789
75°	7244	7244	7244
80°	7671	6251	7671
85°	6227	6227	6227



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	165.0	16.5
10°-20°	367.3	36.6
20°-30°	296.6	29.6
30°-40°	117.2	11.7
40°-50°	36.0	3.6
50°-60°	9.3	0.9
60°-70°	5.6	0.6
70°-80°	4.1	0.4
80°-90°	1.2	0.1
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°	828.9	82.7
0°-40°	946.1	94.4
0°-60°	991.4	98.9
0°-90°	1002.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1002.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1848	1848	1848	1848	1848	
5°	1786	1789	1790	1786	1782	165
15°	1333	1337	1345	1340	1331	366
25°	607	636	685	648	619	283
35°	169	174	180	174	169	113
45°	43	44	45	44	44	35
55°	6	8	11	8	6	7
65°	5	6	6	6	5	6
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1848.0	1848.0	1848.0	1848.0	1848.0
2.5°	1824.9	1826.0	1827.6	1825.4	1820.1
5°	1785.7	1788.9	1790.0	1786.2	1781.9
7.5°	1721.2	1717.4	1720.6	1714.2	1708.8
10°	1615.8	1611.0	1609.3	1599.7	1599.7
12.5°	1485.7	1484.1	1485.2	1480.3	1472.8
15°	1333.1	1336.8	1345.4	1340.0	1330.9
17.5°	1171.3	1176.6	1184.2	1182.6	1170.2
20°	991.7	1007.3	1018.1	1007.9	990.1
22.5°	787.5	820.8	848.2	826.7	797.7
25°	607.4	636.4	684.8	648.3	619.2
27.5°	460.7	481.6	525.7	489.7	469.8
30°	337.6	350.5	381.1	357.5	343.5
32.5°	241.3	250.5	263.4	249.4	242.4
35°	168.8	173.6	179.5	174.2	169.3
37.5°	118.8	120.4	124.7	120.4	118.3
40°	83.3	83.9	87.1	84.4	83.3
42.5°	60.2	60.2	61.8	60.7	60.2
45°	43.0	43.5	44.6	44.1	43.5
47.5°	30.6	31.7	31.7	32.3	30.1
50°	18.3	22.6	23.1	22.6	18.3
52.5°	9.7	13.4	16.7	13.4	9.7
55°	5.9	8.1	11.3	8.1	6.5
57.5°	5.9	5.9	7.5	6.5	5.9
60°	5.9	5.9	5.9	5.9	5.9
62.5°	5.9	5.9	5.9	5.9	5.9
65°	5.4	5.9	5.9	5.9	5.4
67.5°	5.4	5.4	5.4	5.4	5.4
70°	5.4	5.4	4.8	5.4	5.4
72.5°	4.8	4.8	4.3	4.8	4.8
75°	3.8	3.8	3.8	3.8	3.8
77.5°	3.2	3.2	3.2	3.2	3.2
80°	2.7	2.7	2.2	2.7	2.7
82.5°	1.6	1.6	1.6	1.6	1.6
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0



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— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)