

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: P315789

Luminaire Tested: **LDA2B15WFLD2WD010 PIN1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P315789  
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: LDA2B15WFLD2WD010 PIN1MW  
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND  
2in Adj PinHole, Black oculus, matte white finish  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 894.6 lumens  
Efficiency: N/A  
Efficacy: 63.4 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

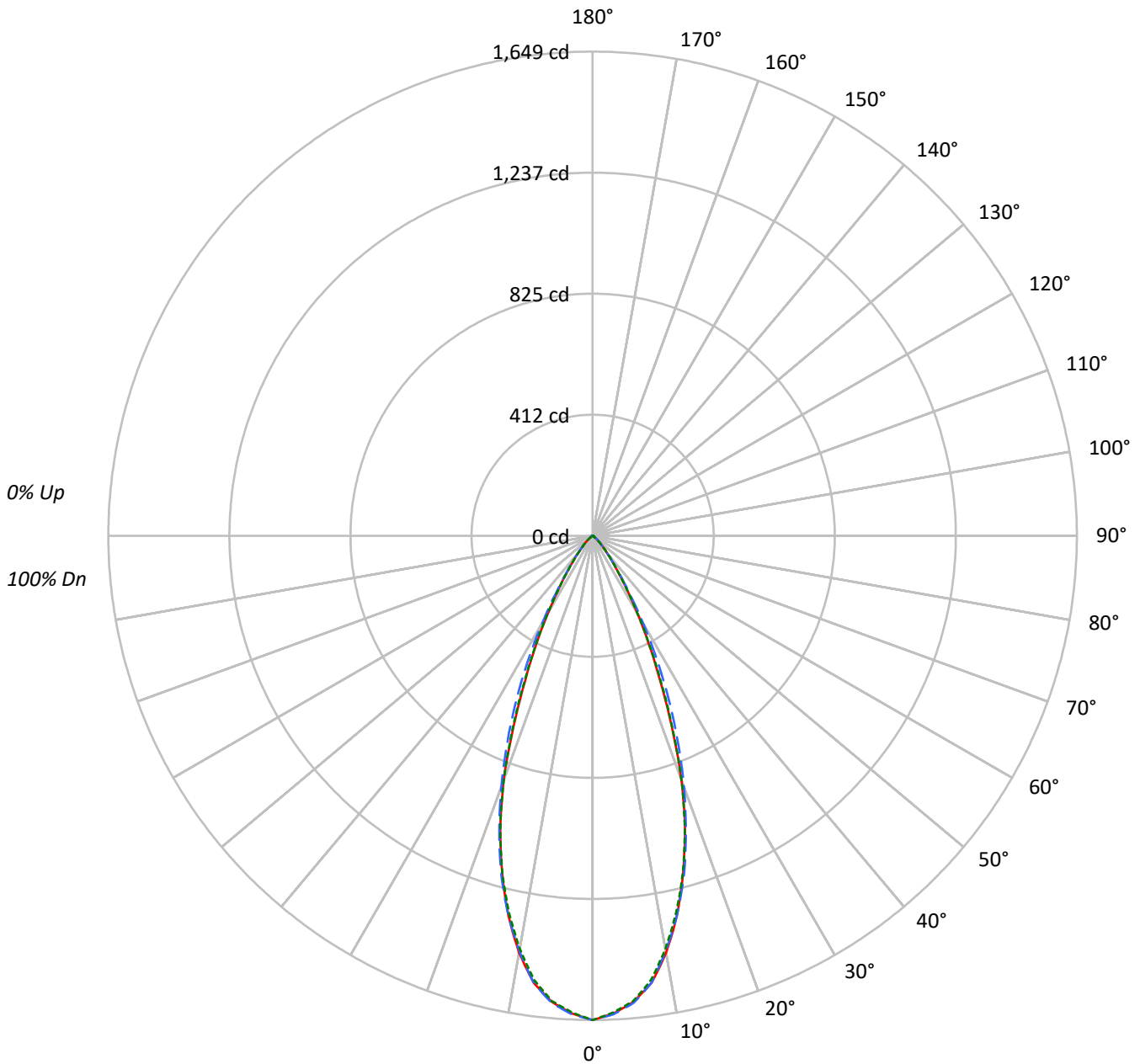
Input Watts (W): 14.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	813702	813702	813702
5°	789274	791156	787590
10°	722453	719547	715239
15°	607658	613327	606688
20°	464699	477037	463964
25°	295100	332716	300870
30°	171646	193750	174665
35°	90704	96486	91005
40°	47916	50042	47916
45°	26792	27769	27141
50°	12511	15811	12511
55°	4559	8688	4989
60°	5230	5230	5230
65°	5603	6187	5603
70°	6924	6203	6924
75°	6481	6481	6481
80°	6819	5398	6819
85°	5661	5661	5661



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.2	16.5
10°-20°	327.8	36.6
20°-30°	264.7	29.6
30°-40°	104.6	11.7
40°-50°	32.1	3.6
50°-60°	8.3	0.9
60°-70°	5.0	0.6
70°-80°	3.7	0.4
80°-90°	1.1	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°	739.8	82.7
0°-40°	844.4	94.4
0°-60°	884.8	98.9
0°-90°	894.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	894.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1649	1649	1649	1649	1649	
5°	1594	1597	1598	1594	1590	147
15°	1190	1193	1201	1196	1188	327
25°	542	568	611	579	553	252
35°	151	155	160	155	151	101
45°	38	39	40	39	39	31
55°	5	7	10	7	6	7
65°	5	5	5	5	5	5
75°	3	3	3	3	3	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°	1649.3	1649.3	1649.3	1649.3	1649.3
2.5°	1628.7	1629.7	1631.1	1629.2	1624.4
5°	1593.7	1596.6	1597.5	1594.2	1590.3
7.5°	1536.1	1532.8	1535.6	1529.9	1525.1
10°	1442.1	1437.8	1436.3	1427.7	1427.7
12.5°	1326.0	1324.5	1325.5	1321.2	1314.5
15°	1189.7	1193.1	1200.8	1196.0	1187.8
17.5°	1045.3	1050.1	1056.9	1055.4	1044.4
20°	885.1	899.0	908.6	899.5	883.7
22.5°	702.8	732.6	757.0	737.8	711.9
25°	542.1	568.0	611.2	578.6	552.7
27.5°	411.1	429.8	469.2	437.0	419.3
30°	301.3	312.8	340.1	319.0	306.6
32.5°	215.4	223.6	235.1	222.6	216.4
35°	150.6	155.0	160.2	155.4	151.1
37.5°	106.0	107.5	111.3	107.5	105.5
40°	74.4	74.8	77.7	75.3	74.4
42.5°	53.7	53.7	55.2	54.2	53.7
45°	38.4	38.9	39.8	39.3	38.9
47.5°	27.3	28.3	28.3	28.8	26.9
50°	16.3	20.1	20.6	20.1	16.3
52.5°	8.6	12.0	14.9	12.0	8.6
55°	5.3	7.2	10.1	7.2	5.8
57.5°	5.3	5.3	6.7	5.8	5.3
60°	5.3	5.3	5.3	5.3	5.3
62.5°	5.3	5.3	5.3	5.3	5.3
65°	4.8	5.3	5.3	5.3	4.8
67.5°	4.8	4.8	4.8	4.8	4.8
70°	4.8	4.8	4.3	4.8	4.8
72.5°	4.3	4.3	3.8	4.3	4.3
75°	3.4	3.4	3.4	3.4	3.4
77.5°	2.9	2.9	2.9	2.9	2.9
80°	2.4	2.4	1.9	2.4	2.4
82.5°	1.4	1.4	1.4	1.4	1.4
85°	1.0	1.0	1.0	1.0	1.0
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)