

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: P282744

Luminaire Tested: **LDA2B15D2WD010 EU2B15NFL25D2W 2LBALPINSQ1MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P282744  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1809-951-26)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA2B15D2WD010 EU2B15NFL25D2W 2LBALPINSQ1MB  
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC AND 2in Adj SQ Pinhole w-lens, MB  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 898.0 lumens  
Efficiency: N/A  
Efficacy: 63.7 lumens/watt  
Spacing Criteria (0/90/45): 0.33 / 0.3 / 0.32  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

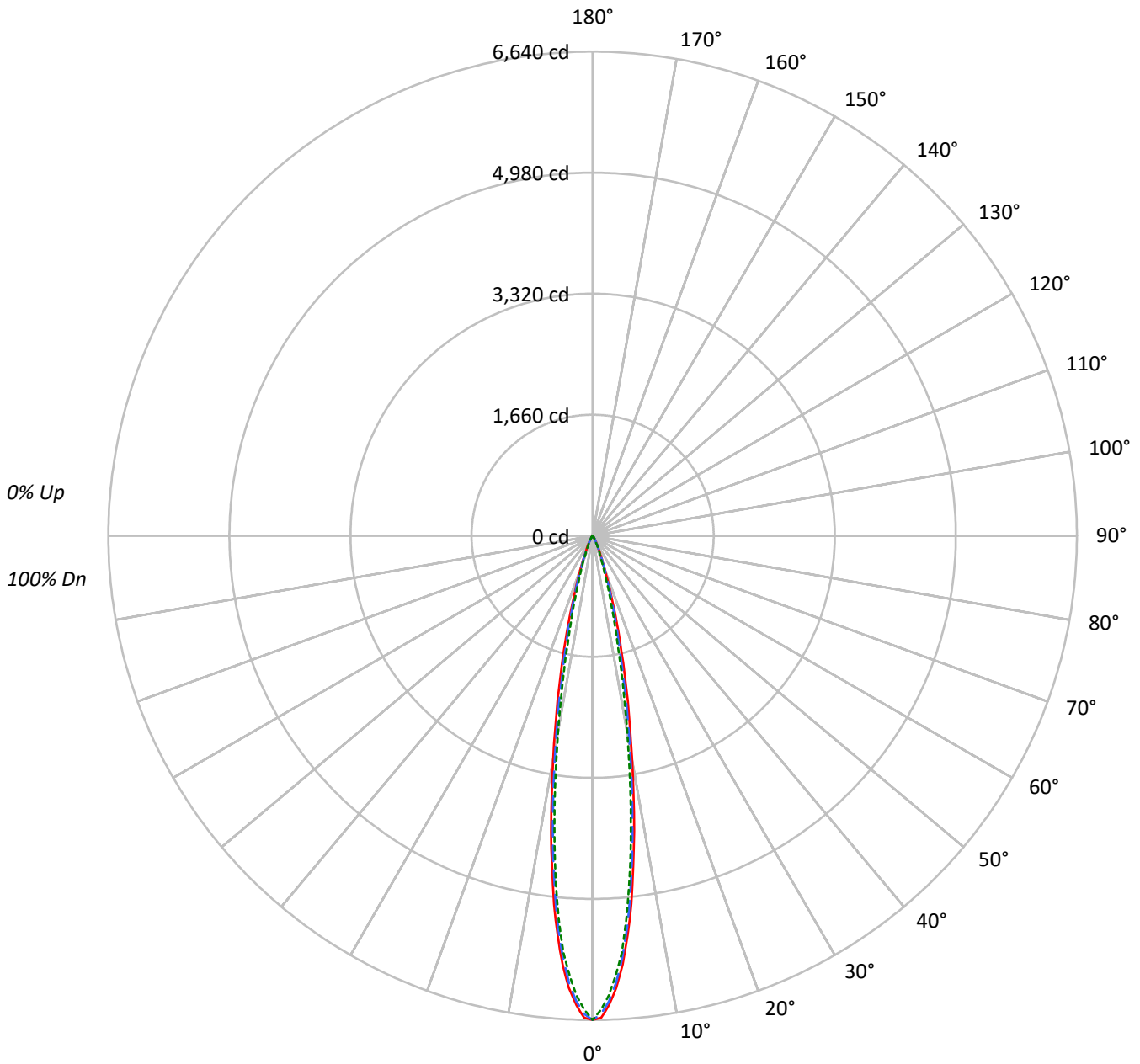
Input Watts (W): 14.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	99	97	97	100													
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	96	95	95	94	92													
2	112	109	106	104	110	107	105	103	104	102	100	101	100	98	99	97	96	95	94	93	92	91	90	88													
3	109	105	101	99	107	103	100	98	101	99	97	99	97	95	97	95	94	93	92	91	90	89	88	86													
4	106	101	98	95	105	100	97	94	98	96	93	96	94	92	95	93	91	90	89	88	87	86	85	83													
5	103	98	94	92	102	97	94	91	96	93	91	94	92	90	93	91	89	88	87	86	85	84	83	81													
6	101	95	92	89	100	95	91	89	93	90	88	92	90	88	91	89	87	86	85	84	83	82	81	79													
7	99	93	89	87	98	92	89	86	91	88	86	90	88	86	89	87	85	84	83	82	81	80	79	77													
8	96	91	87	85	96	90	87	84	89	86	84	88	86	84	88	85	83	82	81	80	79	78	77	75													
9	94	89	85	83	94	88	85	82	87	84	82	87	84	82	86	84	82	81	80	79	78	77	76	74													
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	79	78	77	76	75	74	72													

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

	0°	45°	90°
0°	3275922	3275922	3275922
5°	2725885	2675915	2621933
10°	1561382	1465145	1367405
15°	694437	616750	516844
20°	251907	236891	187696
25°	96734	90310	77790
30°	41701	38796	34409
35°	19755	19755	16322
40°	9918	10240	8244
45°	5721	5372	5024
50°	3914	3531	3531
55°	3097	2236	2666
60°	2565	1480	1973
65°	1751	1167	1751
70°	1442	721	1442
75°	953	953	953
80°	0	0	0
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	431.9	48.1
10°-20°	349.5	38.9
20°-30°	84.3	9.4
30°-40°	21.5	2.4
40°-50°	6.4	0.7
50°-60°	2.7	0.3
60°-70°	1.3	0.1
70°-80°	0.4	0.0
80°-90°	0.0	0.0
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°	865.6	96.4
0°-40°	887.1	98.8
0°-60°	896.2	99.8
0°-90°	898.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	898.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6640	6640	6640	6640	6640	
5°	5504	5453	5403	5356	5294	445
15°	1360	1327	1208	1088	1012	388
25°	178	179	166	151	143	92
35°	33	33	33	30	27	23
45°	8	8	8	7	7	7
55°	4	3	3	3	3	3
65°	2	2	1	1	2	2
75°	0	0	0	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6640.0	6640.0	6640.0	6640.0	6640.0
1°	6610.3	6564.2	6558.6	6587.2	6502.7
2°	6441.3	6408.5	6389.6	6406.5	6310.7
3°	6209.3	6177.5	6143.2	6143.7	6036.7
4°	5893.3	5868.2	5810.4	5793.0	5731.0
5°	5504.1	5453.4	5403.2	5356.1	5294.2
6°	5074.0	5008.4	4936.7	4866.6	4803.0
7°	4568.0	4524.5	4429.7	4334.0	4280.2
8°	4092.2	4022.1	3911.5	3791.6	3746.1
9°	3580.7	3530.5	3403.5	3264.2	3218.6
10°	3116.7	3064.4	2924.6	2769.5	2729.5
11°	2681.4	2632.2	2486.8	2323.9	2281.4
12°	2313.2	2243.5	2076.6	1935.3	1893.8
13°	1946.5	1898.9	1740.7	1600.8	1520.4
14°	1634.6	1595.2	1451.8	1328.9	1243.9
15°	1359.6	1327.4	1207.5	1087.7	1011.9
16°	1115.4	1095.4	1000.7	884.9	823.0
17°	904.9	886.5	826.0	719.5	667.3
18°	730.8	728.2	678.0	585.9	539.2
19°	601.2	600.2	554.1	476.8	438.4
20°	479.8	486.5	451.2	383.6	357.5
21°	391.2	394.8	366.7	315.5	291.9
22°	318.5	321.1	302.7	260.7	247.9
23°	261.2	262.7	247.3	216.1	204.8
24°	215.1	216.1	202.3	180.3	170.5
25°	177.7	178.7	165.9	150.6	142.9
26°	147.5	148.5	137.2	126.5	118.8
27°	122.4	124.4	113.2	106.5	98.3
28°	104.5	105.0	94.7	90.6	83.0
29°	85.5	88.6	79.9	76.3	70.7
30°	73.2	74.8	68.1	65.5	60.4
32.5°	48.7	49.7	46.6	44.6	40.5
35°	32.8	33.3	32.8	29.7	27.1
37.5°	22.5	22.5	23.0	19.5	18.4
40°	15.4	15.4	15.9	13.3	12.8
42.5°	11.3	11.3	10.8	9.2	9.2
45°	8.2	8.2	7.7	7.2	7.2
47.5°	6.7	6.1	5.6	5.6	5.6
50°	5.1	5.1	4.6	4.1	4.6
52.5°	4.1	4.1	3.6	3.6	3.6
55°	3.6	3.1	2.6	2.6	3.1
57.5°	2.6	2.6	2.0	2.0	2.6
60°	2.6	2.0	1.5	2.0	2.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	1.5	1.0	1.0	1.0	1.0
70°	1.0	1.0	0.5	0.5	1.0
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.0	0.0	0.5
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0



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







62.5°	2.0	1.5	1.5	1.5	1.5
65°	1.5	1.5	1.0	1.0	1.5



(END OF REPORT)