

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: P284045

Luminaire Tested: **LDA2B15D2WD010 EU2B15WFL55D2W 2LBALPINSQ1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P284045  
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: LDA2B15D2WD010 EU2B15WFL55D2W 2LBALPINSQ1MW  
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND  
2in Adj SQ Pinhole w-lens, MW  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 929.7 lumens  
Efficiency: N/A  
Efficacy: 65.9 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

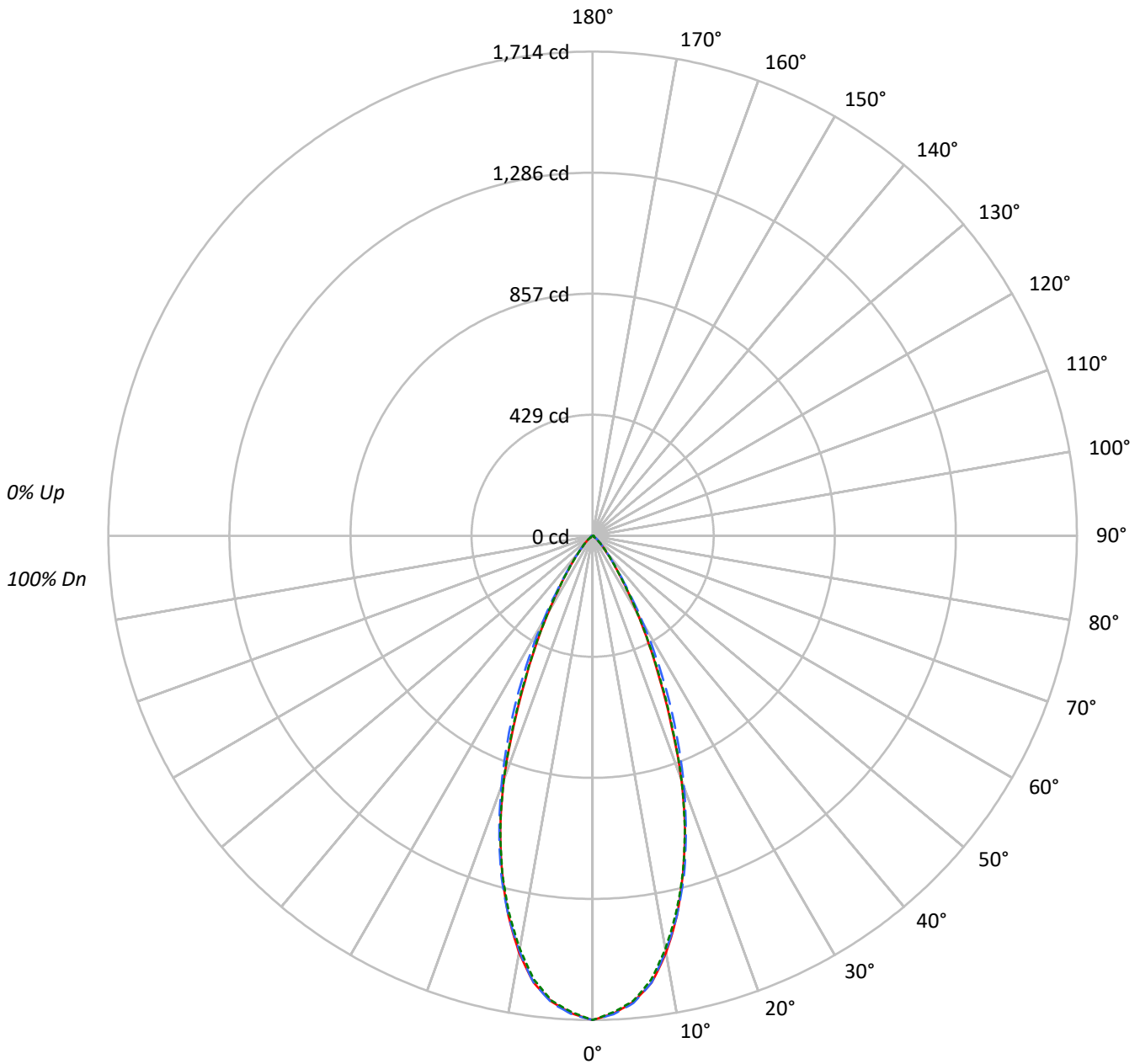
Input Watts (W): 14.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	845622	845622	845622
5°	820227	822208	818494
10°	750808	747802	743293
15°	631511	637385	630489
20°	482918	495781	482130
25°	306695	345780	312629
30°	178368	201384	181502
35°	94257	100280	94559
40°	49784	52038	49784
45°	27839	28886	28188
50°	13048	16425	13048
55°	4731	9032	5161
60°	5427	5427	5427
65°	5837	6421	5837
70°	7212	6491	7212
75°	6672	6672	6672
80°	7103	5682	7103
85°	5661	5661	5661



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.0	16.5
10°-20°	340.7	36.6
20°-30°	275.1	29.6
30°-40°	108.7	11.7
40°-50°	33.4	3.6
50°-60°	8.6	0.9
60°-70°	5.2	0.6
70°-80°	3.8	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°	768.8	82.7
0°-40°	877.5	94.4
0°-60°	919.5	98.9
0°-90°	929.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	929.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1714	1714	1714	1714	1714	
5°	1656	1659	1660	1657	1653	153
15°	1236	1240	1248	1243	1234	340
25°	563	590	635	601	574	262
35°	156	161	166	162	157	105
45°	40	40	41	41	40	33
55°	6	8	10	8	6	7
65°	5	6	6	6	5	5
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°	1714.0	1714.0	1714.0	1714.0	1714.0
2.5°	1692.6	1693.6	1695.1	1693.1	1688.1
5°	1656.2	1659.2	1660.2	1656.7	1652.7
7.5°	1596.4	1592.9	1595.9	1589.9	1584.9
10°	1498.7	1494.2	1492.7	1483.7	1483.7
12.5°	1378.0	1376.5	1377.5	1373.0	1366.1
15°	1236.4	1239.9	1247.9	1242.9	1234.4
17.5°	1086.4	1091.3	1098.3	1096.8	1085.4
20°	919.8	934.3	944.3	934.8	918.3
22.5°	730.4	761.3	786.7	766.8	739.9
25°	563.4	590.3	635.2	601.3	574.3
27.5°	427.3	446.7	487.6	454.2	435.7
30°	313.1	325.1	353.5	331.5	318.6
32.5°	223.9	232.3	244.3	231.3	224.9
35°	156.5	161.0	166.5	161.5	157.0
37.5°	110.2	111.7	115.7	111.7	109.7
40°	77.3	77.8	80.8	78.3	77.3
42.5°	55.8	55.8	57.3	56.3	55.8
45°	39.9	40.4	41.4	40.9	40.4
47.5°	28.4	29.4	29.4	29.9	27.9
50°	17.0	20.9	21.4	20.9	17.0
52.5°	9.0	12.5	15.5	12.5	9.0
55°	5.5	7.5	10.5	7.5	6.0
57.5°	5.5	5.5	7.0	6.0	5.5
60°	5.5	5.5	5.5	5.5	5.5
62.5°	5.5	5.5	5.5	5.5	5.5
65°	5.0	5.5	5.5	5.5	5.0
67.5°	5.0	5.0	5.0	5.0	5.0
70°	5.0	5.0	4.5	5.0	5.0
72.5°	4.5	4.5	4.0	4.5	4.5
75°	3.5	3.5	3.5	3.5	3.5
77.5°	3.0	3.0	3.0	3.0	3.0
80°	2.5	2.5	2.0	2.5	2.5
82.5°	1.5	1.5	1.5	1.5	1.5
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)