

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: P278803

Luminaire Tested: **LDA2B158040D010 EU2B15NFL258040 2LBAD1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P278803  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-2)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA2B158040D010 EU2B15NFL258040 2LBAD1LI  
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC  
AND 2in ADJ spun Refl, Self-Flanged, LI  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1586.9 lumens  
Efficiency: N/A  
Efficacy: 112.5 lumens/watt  
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.39  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

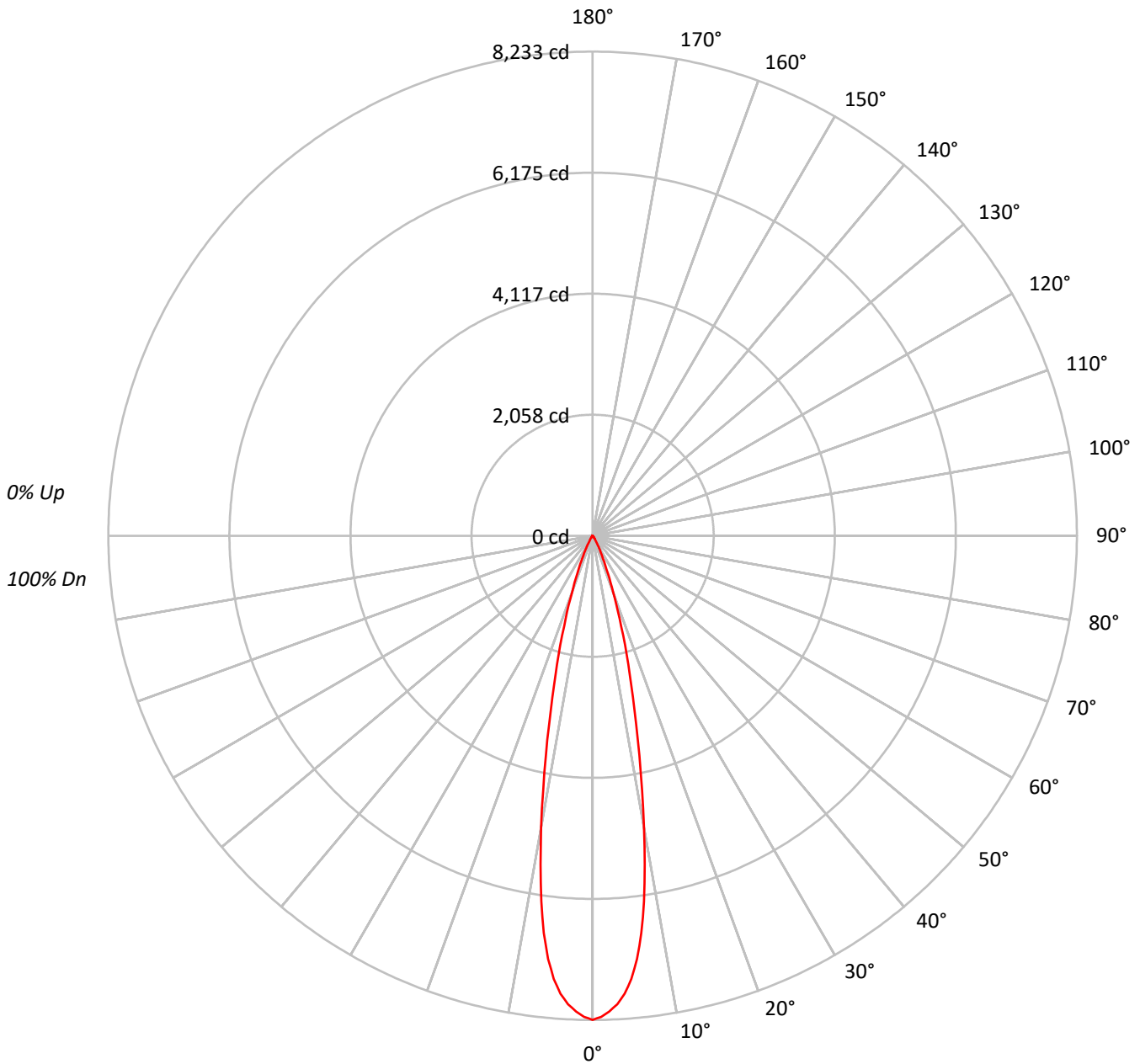
Input Watts (W): 14.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°
0°	4061897
5°	3746043
10°	2524401
15°	1244634
20°	531640
25°	208982
30°	82263
35°	36077
40°	17325
45°	8373
50°	4605
55°	2580
60°	1480
65°	817
70°	1010
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	640.7	40.4
10°-20°	690.1	43.5
20°-30°	199.2	12.6
30°-40°	42.1	2.7
40°-50°	10.4	0.7
50°-60°	3.0	0.2
60°-70°	1.0	0.1
70°-80°	0.5	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°	1530.0	96.4
0°-40°	1572.1	99.1
0°-60°	1585.4	99.9
0°-90°	1586.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1586.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8233	
5°	7564	641
15°	2437	690
25°	384	199
35°	60	42
45°	12	10
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8233.1
1°	8181.5
2°	8093.9
3°	7975.7
4°	7808.0
5°	7564.0
6°	7234.8
7°	6805.2
8°	6276.8
9°	5660.9
10°	5039.0
11°	4410.3
12°	3816.8
13°	3290.0
14°	2826.7
15°	2436.8
17.5°	1610.5
20°	1012.6
22.5°	622.7
25°	383.9
27.5°	234.2
30°	144.4
32.5°	91.3
35°	59.9
37.5°	39.7
40°	26.9
42.5°	18.7
45°	12.0
47.5°	7.5
50°	6.0
52.5°	4.5
55°	3.0
57.5°	2.2
60°	1.5
62.5°	1.5
65°	0.7
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.0
77.5°	0.7
80°	0.0
82.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0



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— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)