

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: P278109

Luminaire Tested: **LDA2B158040D010 EU2B15SP158040 2LBAD1B**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P278109  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-1)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA2B158040D010 EU2B15SP158040 2LBAD1B  
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH SPOT OPTIC AND 2in  
ADJ spun Refl, Self-Flanged, B  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1515.0 lumens  
Efficiency: N/A  
Efficacy: 107.5 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.28  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

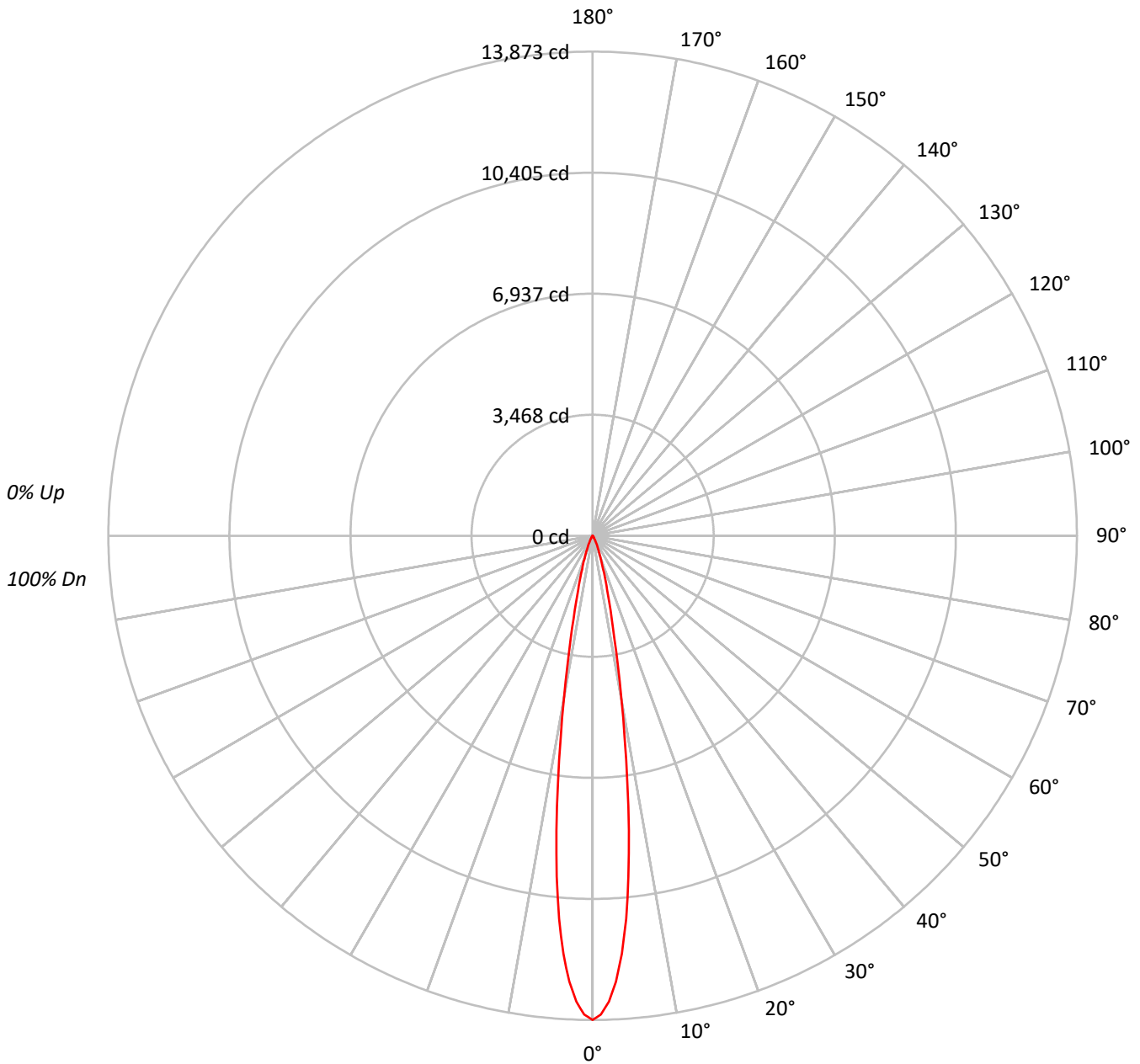
Input Watts (W): 14.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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													
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98	97	96						98											
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	96	95	94						96											
3	110	105	102	100	108	104	101	99	102	99	98	100	98	96	97	96	95	94	93	92						93											
4	107	102	99	96	105	101	98	96	99	97	95	98	95	94	96	94	93	92	91	90						92											
5	104	99	96	93	103	99	95	93	97	94	92	96	93	91	94	92	91	90	89	88						90											
6	102	97	93	91	101	96	93	91	95	92	90	94	91	89	93	91	89	88	87	86						88											
7	100	95	91	89	99	94	91	88	93	90	88	92	90	88	91	89	87	86	85	84						86											
8	98	93	89	87	97	92	89	87	91	88	86	90	88	86	90	87	86	85	84	83						85											
9	96	91	87	85	95	90	87	85	90	87	85	89	86	84	88	86	84	83	82	81						83											
10	94	89	86	83	94	89	85	83	88	85	83	87	85	83	87	85	83	82	81	80						82											

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

	0°
0°	6844605
5°	5456971
10°	2369100
15°	818502
20°	335596
25°	151551
30°	60956
35°	28428
40°	15457
45°	5721
50°	3454
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°	832.7	55.0
10°-20°	500.1	33.0
20°-30°	137.7	9.1
30°-40°	32.8	2.2
40°-50°	8.1	0.5
50°-60°	2.6	0.2
60°-70°	1.0	0.1
70°-80°	0.1	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°	1470.5	97.1
0°-40°	1503.3	99.2
0°-60°	1514.0	99.9
0°-90°	1515.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1515.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13873	
5°	11019	833
15°	1602	500
25°	278	138
35°	47	33
45°	8	8
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	13873.4
1°	13720.0
2°	13352.5
3°	12791.8
4°	12000.7
5°	11018.7
6°	9819.6
7°	8505.9
8°	7125.7
9°	5856.3
10°	4729.0
11°	3774.7
12°	3004.5
13°	2422.9
14°	1960.3
15°	1602.5
17.5°	994.8
20°	639.2
22.5°	419.2
25°	278.4
27.5°	178.9
30°	107.0
32.5°	67.4
35°	47.2
37.5°	34.4
40°	24.0
42.5°	14.2
45°	8.2
47.5°	6.0
50°	4.5
52.5°	3.7
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°	0.0
75°	0.0
77.5°	0.0
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)