

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: P278103

Luminaire Tested: **LDA2B158035D010 EU2B15SP158035 2LBAD1WH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P278103  
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: LDA2B158035D010 EU2B15SP158035 2LBAD1WH  
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH SPOT OPTIC AND 2in  
ADJ spun Refl, Self-Flanged, WH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1455.6 lumens  
Efficiency: N/A  
Efficacy: 103.2 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

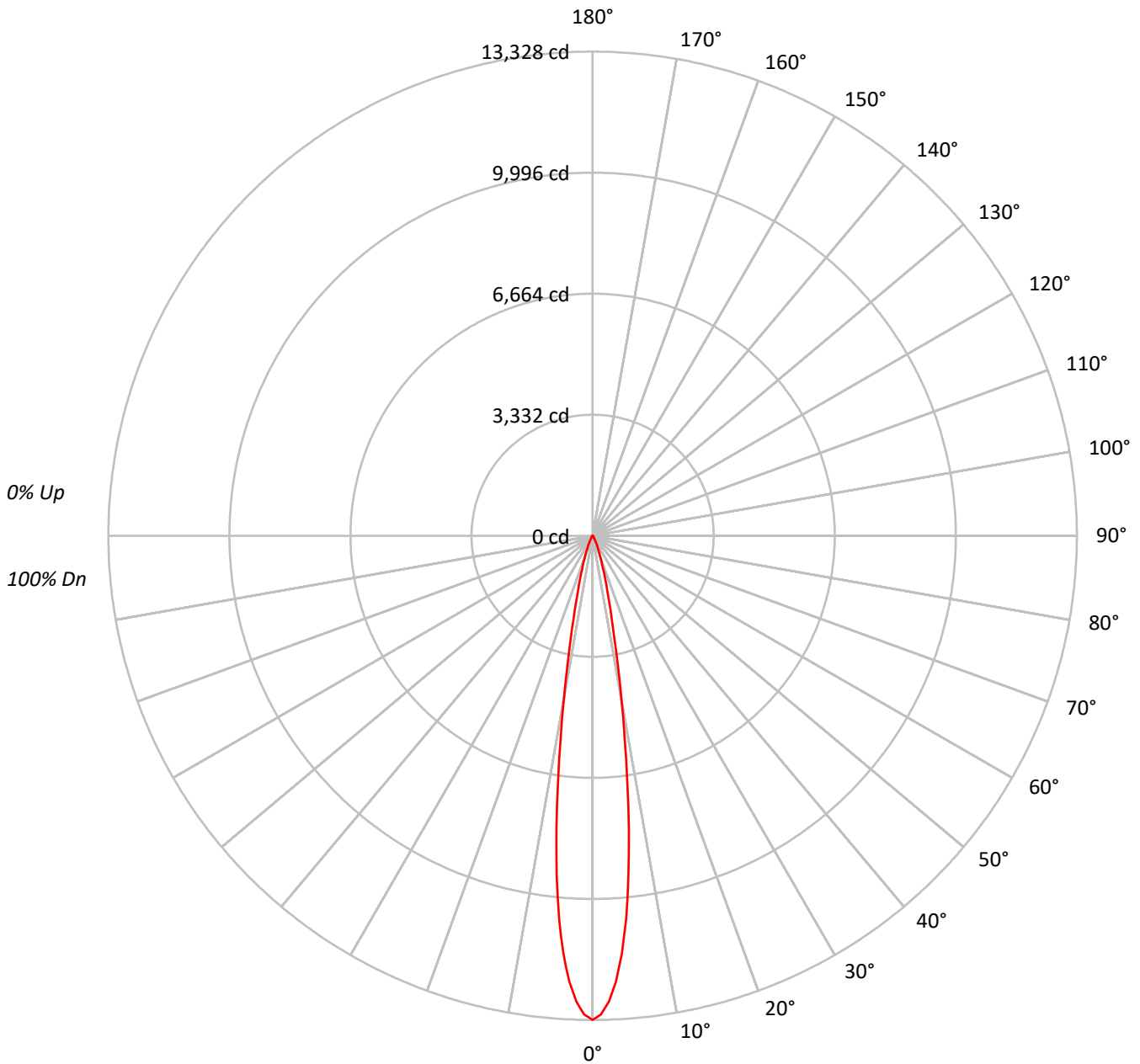
Input Watts (W): 14.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									20									
RC	80									70									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	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	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98	97	96	95	94	93	92	91	90	89	88	87	86																
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84																
3	109	105	102	100	108	104	101	99	102	99	98	100	98	96	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82																
4	107	102	99	96	105	101	98	96	99	97	95	98	95	94	96	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80																
5	104	99	96	93	103	99	95	93	97	94	92	96	93	91	94	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78																
6	102	97	93	91	101	96	93	91	95	92	90	94	91	89	93	91	89	88	87	86	85	84	83	82	81	80	79	78	77	76																
7	100	95	91	89	99	94	91	88	93	90	88	92	90	88	91	89	87	86	85	84	83	82	81	80	79	78	77	76	75	74																
8	98	93	89	87	97	92	89	87	91	88	86	90	88	86	89	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72															
9	96	91	87	85	95	90	87	85	90	87	85	89	86	84	88	86	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70															
10	94	89	86	83	94	89	85	83	88	85	83	87	85	83	86	85	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69															

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

	0°
0°	6575674
5°	5242529
10°	2276019
15°	786375
20°	322418
25°	145618
30°	58564
35°	27283
40°	14813
45°	5512
50°	3300
55°	2494
60°	1381
65°	817
70°	1010
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	800.0	55.0
10°-20°	480.5	33.0
20°-30°	132.3	9.1
30°-40°	31.5	2.2
40°-50°	7.8	0.5
50°-60°	2.6	0.2
60°-70°	0.9	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°	1412.7	97.1
0°-40°	1444.2	99.2
0°-60°	1454.5	99.9
0°-90°	1455.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1455.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13328	
5°	10586	800
15°	1540	480
25°	268	132
35°	45	31
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°	13328.3
1°	13180.9
2°	12827.8
3°	12289.2
4°	11529.1
5°	10585.7
6°	9433.7
7°	8171.7
8°	6845.7
9°	5626.1
10°	4543.2
11°	3626.4
12°	2886.4
13°	2327.7
14°	1883.3
15°	1539.6
17.5°	955.7
20°	614.1
22.5°	402.7
25°	267.5
27.5°	171.9
30°	102.8
32.5°	64.7
35°	45.3
37.5°	33.1
40°	23.0
42.5°	13.7
45°	7.9
47.5°	5.8
50°	4.3
52.5°	3.6
55°	2.9
57.5°	2.2
60°	1.4
62.5°	1.4
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)