

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: P279683

Luminaire Tested: **LDA2B158035D010 EU2B15FL408035 2LBAD1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P279683  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-3)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA2B158035D010 EU2B15FL408035 2LBAD1LI  
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in  
ADJ spun Refl, Self-Flanged, LI  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1578.3 lumens  
Efficiency: N/A  
Efficacy: 111.9 lumens/watt  
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.55  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

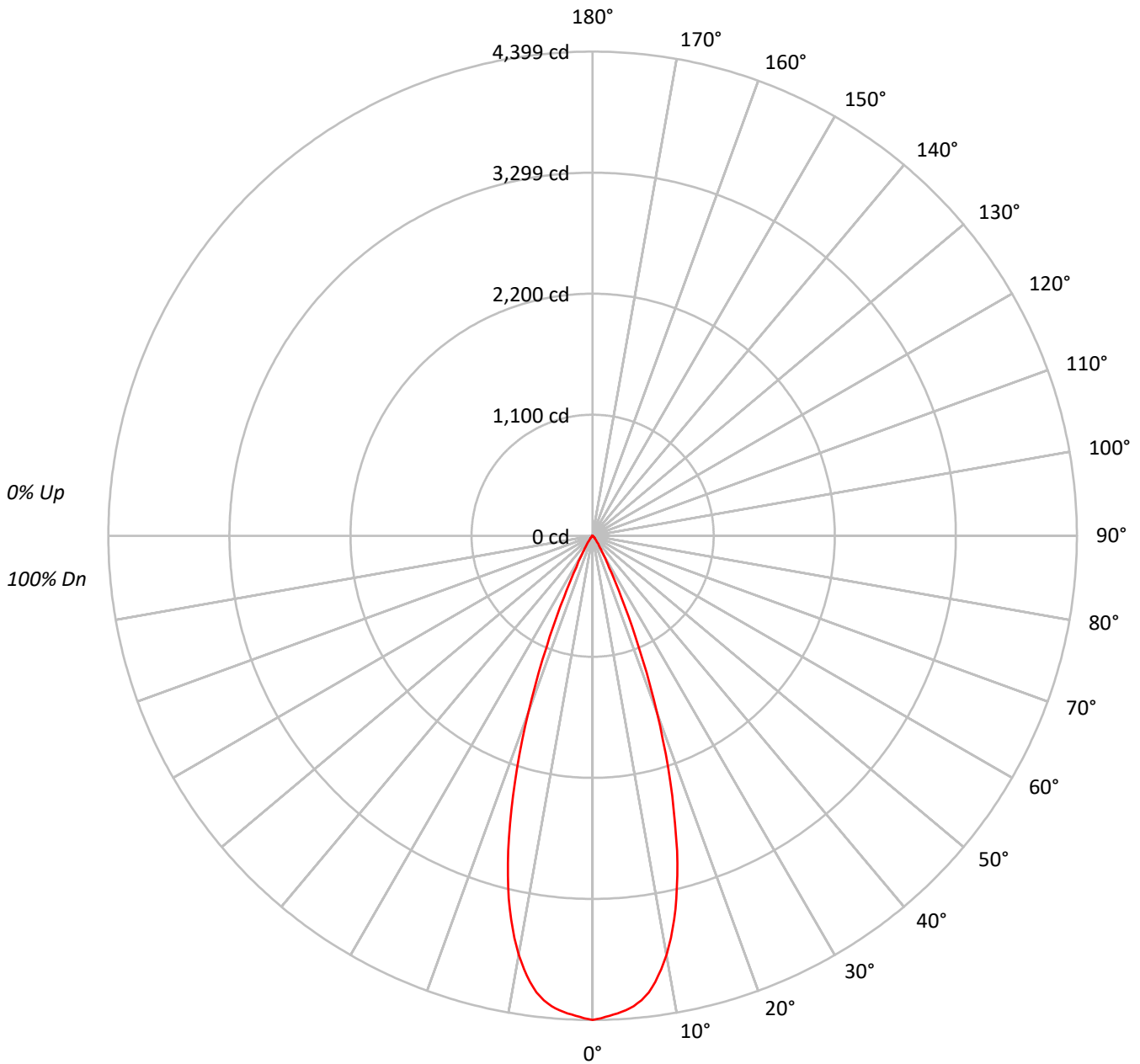
Input Watts (W): 14.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									20									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													100															
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96													96															
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92													92															
3	107	102	98	95	105	101	97	94	98	95	93	96	94	92	94	92	90	89													89															
4	103	98	93	90	102	97	93	90	95	91	89	93	90	88	91	89	87	85													85															
5	100	94	89	86	98	93	89	86	91	88	85	90	87	84	88	86	84	82													82															
6	97	90	85	82	95	89	85	82	88	84	82	87	83	81	85	83	80	79													79															
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77													77															
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74													74															
9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	73	72													72															
10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	72	70	69													69															

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

	0°
0°	2170348
5°	2124458
10°	1936310
15°	1512633
20°	895535
25°	332933
30°	104025
35°	46255
40°	21446
45°	10117
50°	5526
55°	3097
60°	1381
65°	817
70°	1010
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	396.5	25.1
10°-20°	788.6	50.0
20°-30°	323.0	20.5
30°-40°	53.4	3.4
40°-50°	12.6	0.8
50°-60°	3.4	0.2
60°-70°	0.8	0.0
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°	1508.0	95.5
0°-40°	1561.5	98.9
0°-60°	1577.5	99.9
0°-90°	1578.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1578.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4399	
5°	4290	397
15°	2962	789
25°	612	323
35°	77	53
45°	14	13
55°	4	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4399.1
1°	4383.9
2°	4363.6
3°	4345.5
4°	4321.6
5°	4289.7
6°	4242.6
7°	4181.0
8°	4093.3
9°	3986.8
10°	3865.1
11°	3723.8
12°	3564.4
13°	3382.5
14°	3180.3
15°	2961.5
17.5°	2348.5
20°	1705.7
22.5°	1092.0
25°	611.6
27.5°	322.5
30°	182.6
32.5°	115.9
35°	76.8
37.5°	50.7
40°	33.3
42.5°	21.7
45°	14.5
47.5°	10.1
50°	7.2
52.5°	5.1
55°	3.6
57.5°	2.2
60°	1.4
62.5°	0.7
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)