

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: P278800

Luminaire Tested: **LDA2B158035D010 EU2B15NFL258035 2LBALD1WHH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P278800  
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: LDA2B158035D010 EU2B15NFL258035 2LBALD1WHH  
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC  
AND 2in ADJ spun Refl w/lens Self-Flanged, WHH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1422.0 lumens  
Efficiency: N/A  
Efficacy: 100.9 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

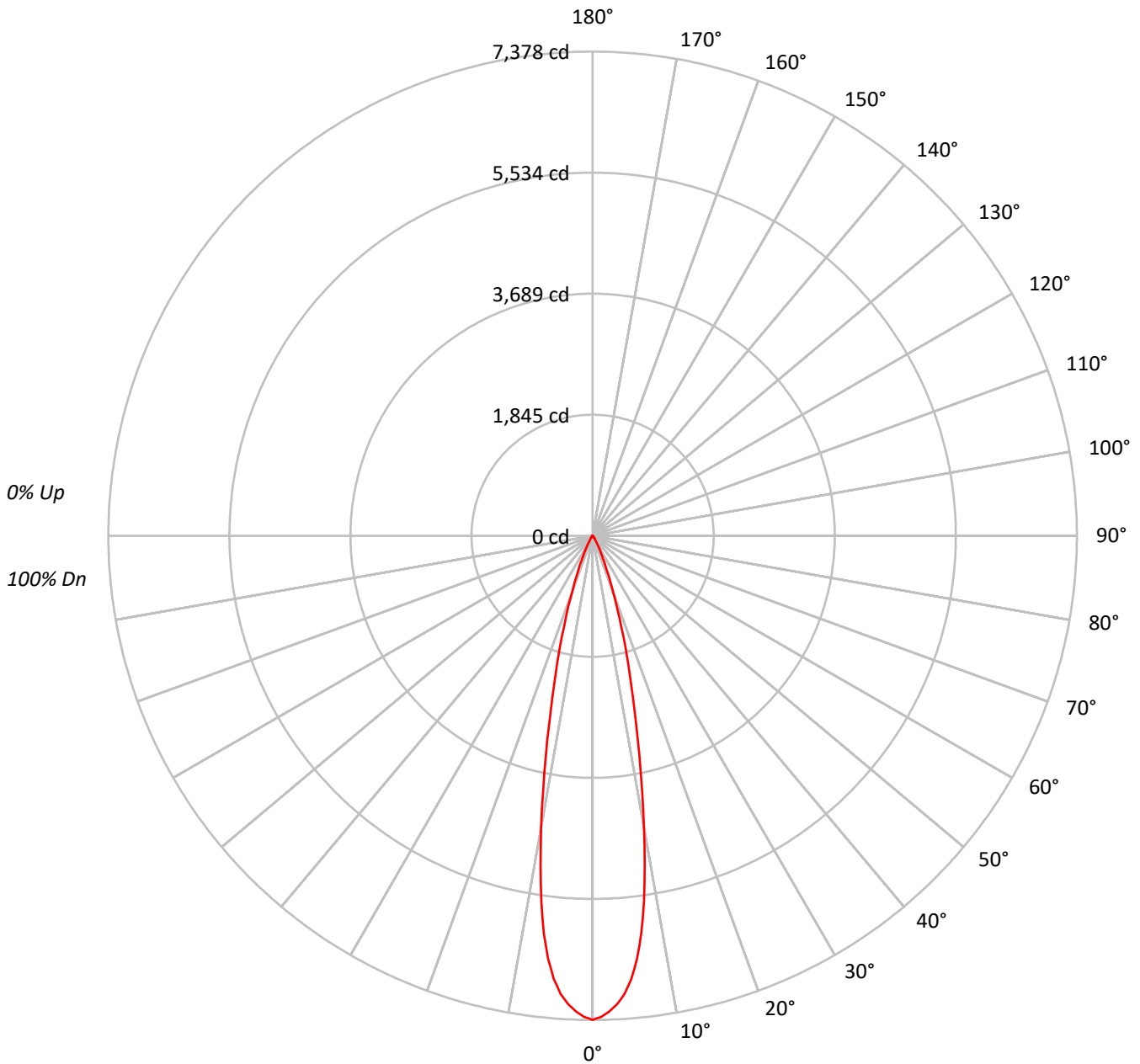
Input Watts (W): 14.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									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	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	77	82	79	77	82	79	77	76									76																											

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

	0°
0°	3639875
5°	3356829
10°	2262092
15°	1115308
20°	476407
25°	187261
30°	73717
35°	32343
40°	15521
45°	7466
50°	4145
55°	2322
60°	1283
65°	817
70°	1010
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	574.2	40.4
10°-20°	618.4	43.5
20°-30°	178.5	12.6
30°-40°	37.7	2.6
40°-50°	9.3	0.7
50°-60°	2.7	0.2
60°-70°	0.9	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°	1371.0	96.4
0°-40°	1408.7	99.1
0°-60°	1420.7	99.9
0°-90°	1422.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1422.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7378	
5°	6778	574
15°	2184	618
25°	344	179
35°	54	38
45°	11	9
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7377.7
1°	7331.4
2°	7252.9
3°	7147.0
4°	6996.7
5°	6778.1
6°	6483.0
7°	6098.1
8°	5624.6
9°	5072.7
10°	4515.4
11°	3952.1
12°	3420.2
13°	2948.1
14°	2533.0
15°	2183.6
17.5°	1443.2
20°	907.4
22.5°	558.0
25°	344.0
27.5°	209.9
30°	129.4
32.5°	81.8
35°	53.7
37.5°	35.5
40°	24.1
42.5°	16.8
45°	10.7
47.5°	6.7
50°	5.4
52.5°	4.0
55°	2.7
57.5°	2.0
60°	1.3
62.5°	1.3
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)