

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: P278040

Luminaire Tested: **LDA2B109035D010 EU2B10SP159035 2LBAD1WHH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P278040  
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: LDA2B109035D010 EU2B10SP159035 2LBAD1WHH  
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH SPOT OPTIC AND 2in  
ADJ spun Refl, Self-Flanged, WHH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 905.9 lumens  
Efficiency: N/A  
Efficacy: 90.6 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

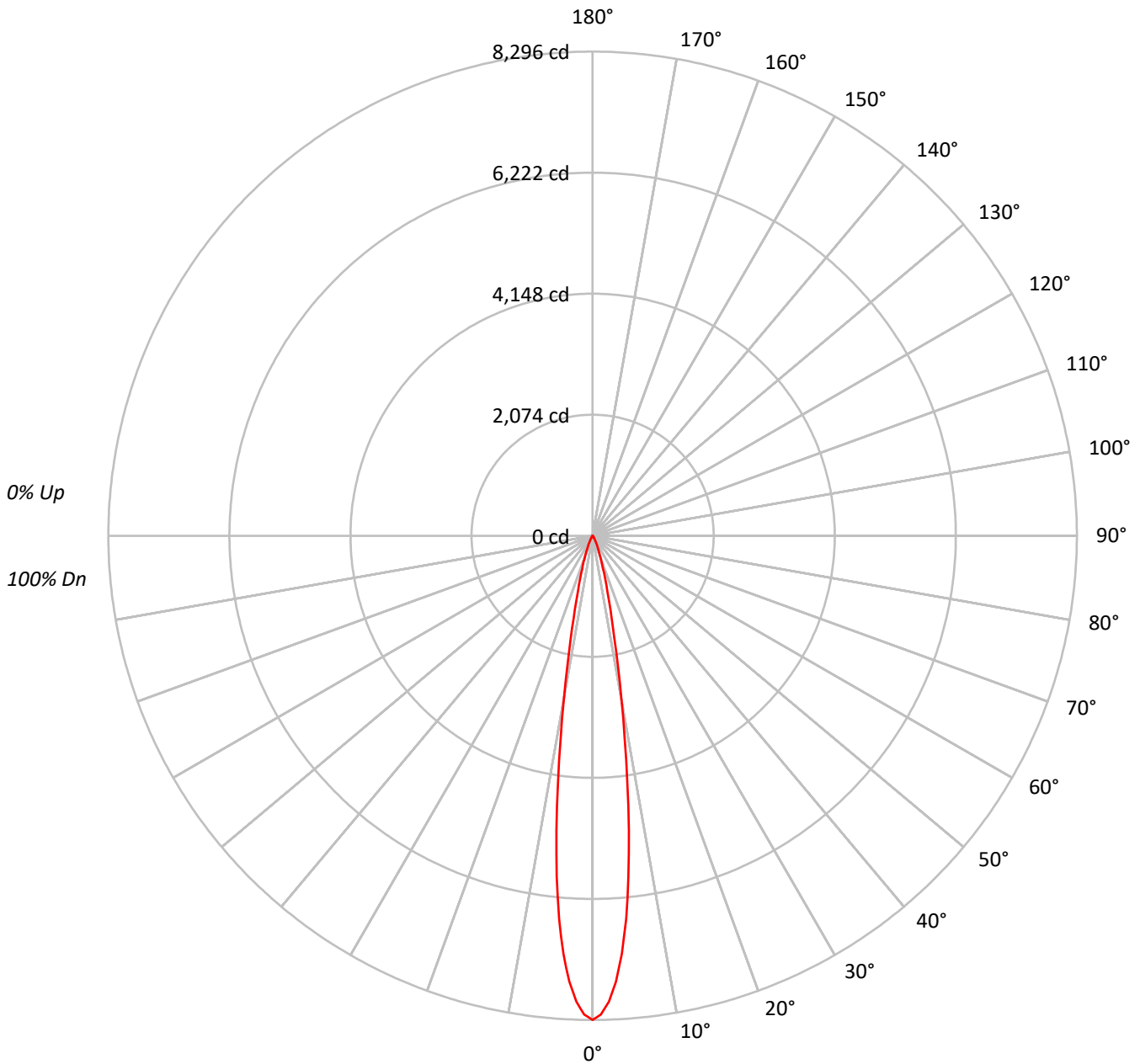
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°
0°	4092880
5°	3263129
10°	1416651
15°	489467
20°	200664
25°	90637
30°	36460
35°	16984
40°	9210
45°	3419
50°	2072
55°	1548
60°	888
65°	467
70°	577
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	498.0	55.0
10°-20°	299.1	33.0
20°-30°	82.3	9.1
30°-40°	19.6	2.2
40°-50°	4.8	0.5
50°-60°	1.6	0.2
60°-70°	0.6	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°	879.3	97.1
0°-40°	898.9	99.2
0°-60°	905.3	99.9
0°-90°	905.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	905.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8296	
5°	6589	498
15°	958	299
25°	166	82
35°	28	20
45°	5	5
55°	2	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8295.9
1°	8204.2
2°	7984.4
3°	7649.2
4°	7176.1
5°	6588.9
6°	5871.8
7°	5086.3
8°	4261.0
9°	3501.9
10°	2827.8
11°	2257.2
12°	1796.6
13°	1448.8
14°	1172.2
15°	958.3
17.5°	594.8
20°	382.2
22.5°	250.6
25°	166.5
27.5°	107.0
30°	64.0
32.5°	40.3
35°	28.2
37.5°	20.6
40°	14.3
42.5°	8.5
45°	4.9
47.5°	3.6
50°	2.7
52.5°	2.2
55°	1.8
57.5°	1.3
60°	0.9
62.5°	0.9
65°	0.4
67.5°	0.4
70°	0.4
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)