

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: P278692

Luminaire Tested: **LDA2B109050D010 EU2B10NFL259050 2LBAD1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P278692  
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: LDA2B109050D010 EU2B10NFL259050 2LBAD1MW  
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC  
AND 2in ADJ spun Refl, Self-Flanged, MW  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 995.7 lumens  
Efficiency: N/A  
Efficacy: 99.6 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

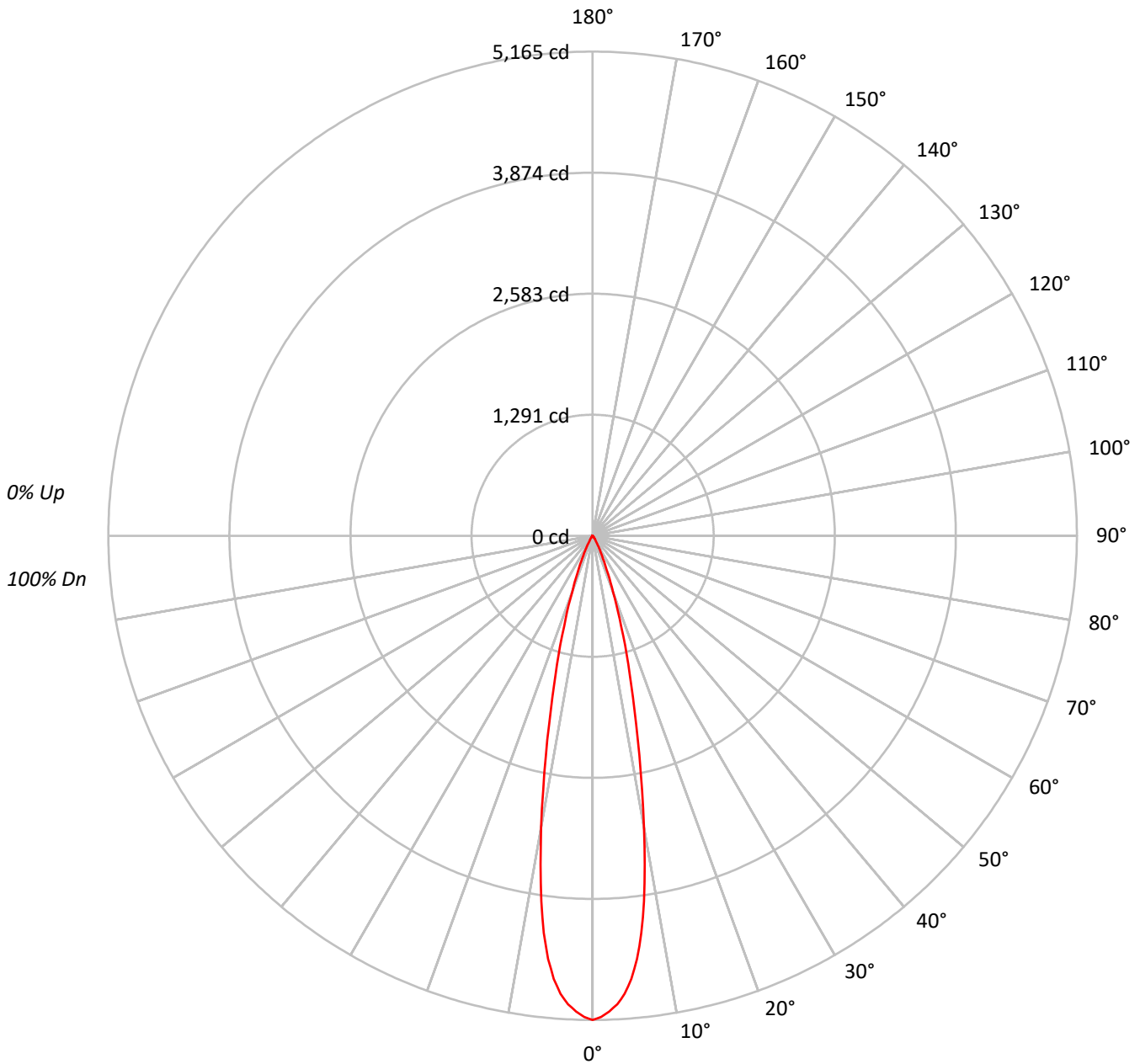
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									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°	2548411
5°	2350241
10°	1583775
15°	780859
20°	333548
25°	131137
30°	51613
35°	22646
40°	10884
45°	5233
50°	2917
55°	1634
60°	888
65°	584
70°	721
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	402.0	40.4
10°-20°	432.9	43.5
20°-30°	125.0	12.6
30°-40°	26.4	2.7
40°-50°	6.5	0.7
50°-60°	1.9	0.2
60°-70°	0.6	0.1
70°-80°	0.3	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°	959.9	96.4
0°-40°	986.3	99.1
0°-60°	994.7	99.9
0°-90°	995.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	995.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5165	
5°	4746	402
15°	1529	433
25°	241	125
35°	38	26
45°	8	6
55°	2	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5165.4
1°	5133.0
2°	5078.1
3°	5003.9
4°	4898.7
5°	4745.6
6°	4539.0
7°	4269.5
8°	3938.0
9°	3551.6
10°	3161.4
11°	2767.0
12°	2394.7
13°	2064.1
14°	1773.5
15°	1528.8
17.5°	1010.4
20°	635.3
22.5°	390.7
25°	240.9
27.5°	147.0
30°	90.6
32.5°	57.3
35°	37.6
37.5°	24.9
40°	16.9
42.5°	11.7
45°	7.5
47.5°	4.7
50°	3.8
52.5°	2.8
55°	1.9
57.5°	1.4
60°	0.9
62.5°	0.9
65°	0.5
67.5°	0.5
70°	0.5
72.5°	0.5
75°	0.0
77.5°	0.5
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)