

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: P314900

Luminaire Tested: **LDA2B05NFL8050D010 PINW1MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P314900  
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: LDA2B05NFL8050D010 PINW1MB  
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC  
AND 2in Adj PinHole, White oculus black finish  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 763.7 lumens  
Efficiency: N/A  
Efficacy: 109.1 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

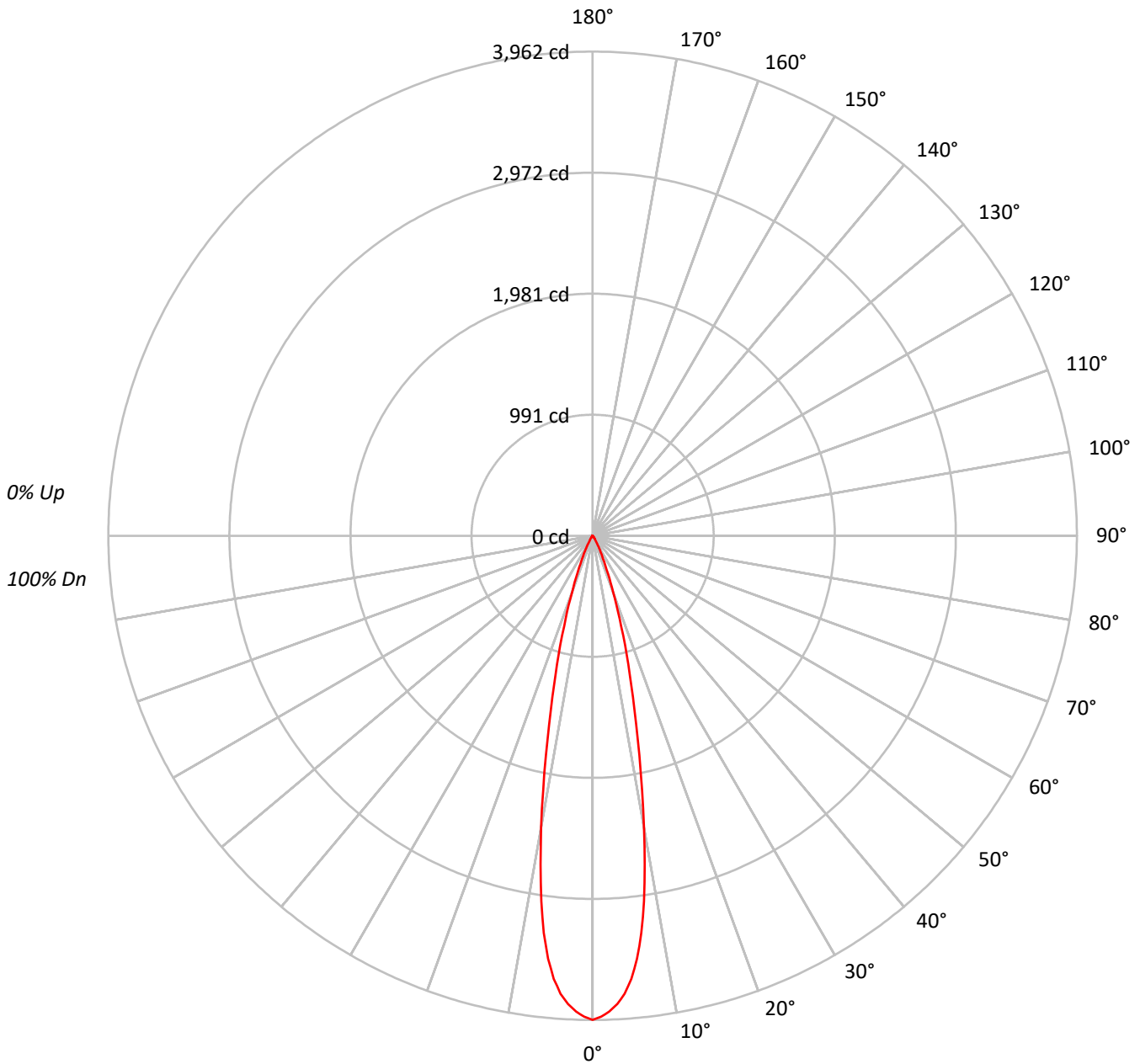
Input Watts (W): 7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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																																				
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97																																				
2	112	108	105	103	110	107	104	102	103	101	100	101	99	98	98	97	96	94																																				
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91																																				
4	105	100	96	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89																																				
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	92	89	87	86																																				
6	100	94	90	87	98	93	89	87	92	89	86	91	88	86	89	87	85	84																																				
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82																																				
8	95	88	85	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80																																				
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78																																				
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76																																				

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

	0°
0°	1954551
5°	1802598
10°	1214708
15°	598924
20°	255792
25°	100544
30°	39593
35°	17346
40°	8372
45°	4047
50°	2226
55°	1204
60°	691
65°	467
70°	577
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	308.3	40.4
10°-20°	332.0	43.5
20°-30°	95.9	12.6
30°-40°	20.2	2.6
40°-50°	5.0	0.7
50°-60°	1.4	0.2
60°-70°	0.5	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°	736.2	96.4
0°-40°	756.5	99.1
0°-60°	762.9	99.9
0°-90°	763.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	763.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3962	
5°	3640	308
15°	1173	332
25°	185	96
35°	29	20
45°	6	5
55°	1	1
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3961.7
1°	3936.9
2°	3894.7
3°	3837.8
4°	3757.2
5°	3639.8
6°	3481.3
7°	3274.6
8°	3020.3
9°	2724.0
10°	2424.7
11°	2122.2
12°	1836.6
13°	1583.1
14°	1360.2
15°	1172.6
17.5°	775.0
20°	487.2
22.5°	299.6
25°	184.7
27.5°	112.7
30°	69.5
32.5°	43.9
35°	28.8
37.5°	19.1
40°	13.0
42.5°	9.0
45°	5.8
47.5°	3.6
50°	2.9
52.5°	2.2
55°	1.4
57.5°	1.1
60°	0.7
62.5°	0.7
65°	0.4
67.5°	0.4
70°	0.4
72.5°	0.4
75°	0.0
77.5°	0.4
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)