

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: P315166

Luminaire Tested: **LDA2B20NFL9030D010 PINW1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P315166  
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: LDA2B20NFL9030D010 PINW1MW  
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC  
AND 2in Adj PinHole, Black oculus, matte white finish  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1481.5 lumens  
Efficiency: N/A  
Efficacy: 71.9 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

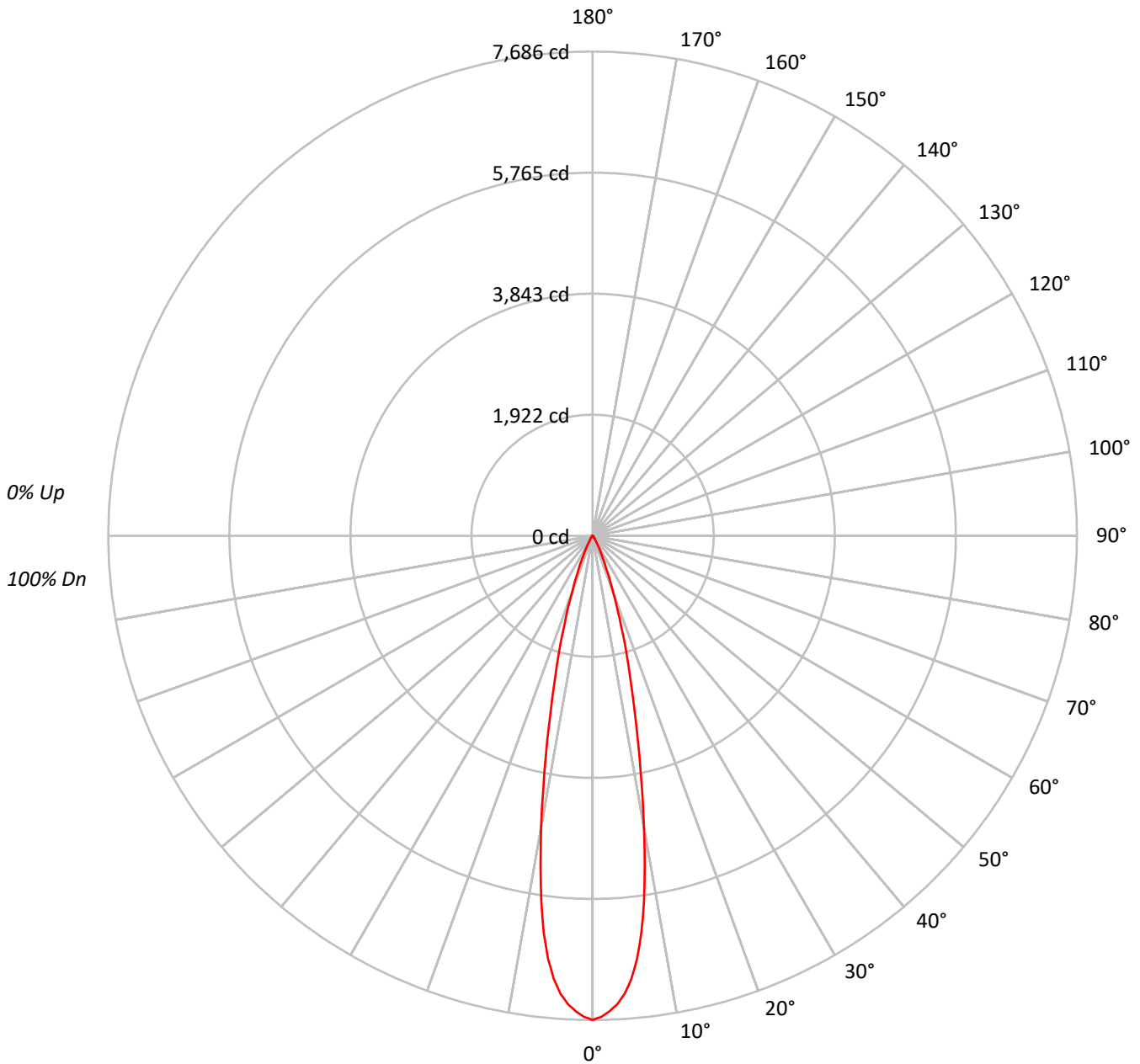
Input Watts (W): 20.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
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			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°	3791979
5°	3497133
10°	2356626
15°	1161941
20°	496306
25°	195100
30°	76794
35°	33668
40°	16230
45°	7814
50°	4298
55°	2408
60°	1381
65°	817
70°	1010
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	598.2	40.4
10°-20°	644.2	43.5
20°-30°	186.0	12.6
30°-40°	39.3	2.6
40°-50°	9.7	0.7
50°-60°	2.8	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°	1428.4	96.4
0°-40°	1467.6	99.1
0°-60°	1480.1	99.9
0°-90°	1481.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1481.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7686	
5°	7061	598
15°	2275	644
25°	358	186
35°	56	39
45°	11	10
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7686.0
1°	7637.8
2°	7556.1
3°	7445.7
4°	7289.2
5°	7061.4
6°	6754.0
7°	6353.0
8°	5859.7
9°	5284.7
10°	4704.1
11°	4117.2
12°	3563.2
13°	3071.3
14°	2638.9
15°	2274.9
17.5°	1503.5
20°	945.3
22.5°	581.3
25°	358.4
27.5°	218.7
30°	134.8
32.5°	85.2
35°	55.9
37.5°	37.0
40°	25.2
42.5°	17.5
45°	11.2
47.5°	7.0
50°	5.6
52.5°	4.2
55°	2.8
57.5°	2.1
60°	1.4
62.5°	1.4
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)