

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: P315146

Luminaire Tested: **LDA2B20NFL8040D010 PINW1MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P315146  
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: LDA2B20NFL8040D010 PINW1MB  
Description: PORTFOLIO 2IN ADJ 2000 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: 1933.0 lumens  
Efficiency: N/A  
Efficacy: 93.8 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

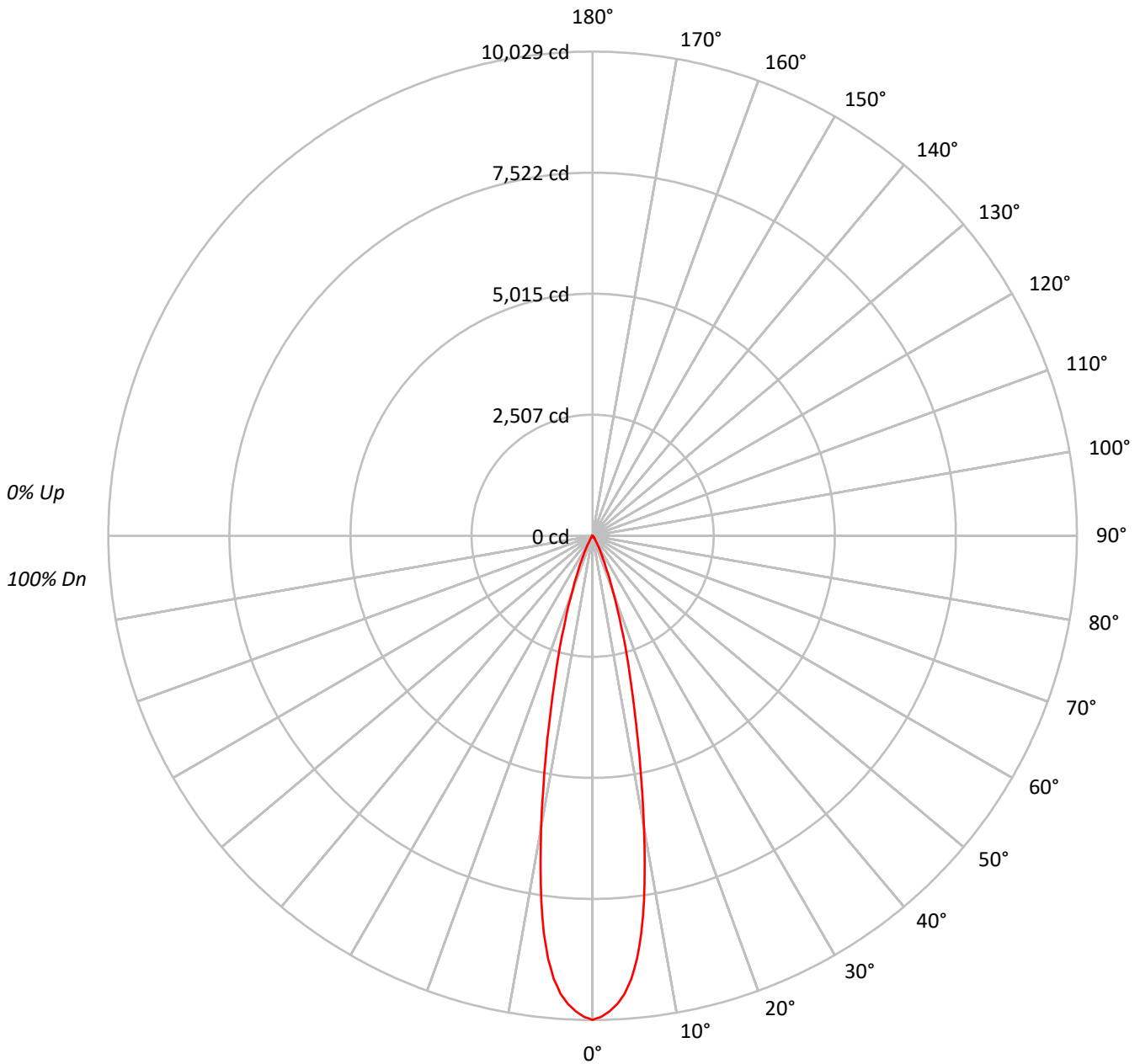
Input Watts (W): 20.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	78	82	79	77	82	79	77	76									76																											

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

	0°
0°	4947728
5°	4563051
10°	3074920
15°	1516055
20°	647565
25°	254599
30°	100208
35°	43906
40°	21124
45°	10187
50°	5603
55°	3097
60°	1776
65°	1051
70°	1298
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	780.5	40.4
10°-20°	840.5	43.5
20°-30°	242.7	12.6
30°-40°	51.2	2.6
40°-50°	12.6	0.7
50°-60°	3.6	0.2
60°-70°	1.2	0.1
70°-80°	0.6	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°	1863.7	96.4
0°-40°	1914.9	99.1
0°-60°	1931.1	99.9
0°-90°	1933.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1933.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10029	
5°	9214	780
15°	2968	841
25°	468	243
35°	73	51
45°	15	13
55°	4	4
65°	1	1
75°	0	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10028.6
1°	9965.7
2°	9859.1
3°	9715.0
4°	9510.8
5°	9213.7
6°	8812.5
7°	8289.3
8°	7645.7
9°	6895.4
10°	6137.9
11°	5372.1
12°	4649.2
13°	4007.4
14°	3443.2
15°	2968.2
17.5°	1961.8
20°	1233.4
22.5°	758.5
25°	467.7
27.5°	285.3
30°	175.9
32.5°	111.2
35°	72.9
37.5°	48.3
40°	32.8
42.5°	22.8
45°	14.6
47.5°	9.1
50°	7.3
52.5°	5.5
55°	3.6
57.5°	2.7
60°	1.8
62.5°	1.8
65°	0.9
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.0
77.5°	0.9
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)