

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: P315151

Luminaire Tested: **LDA2B20NFL8050D010 PIN1MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P315151
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: LDA2B20NFL8050D010 PIN1MB
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC
AND 2in Adj PinHole, Black oculus black finish
Light Source: -
Ballast/Driver: -

Summary

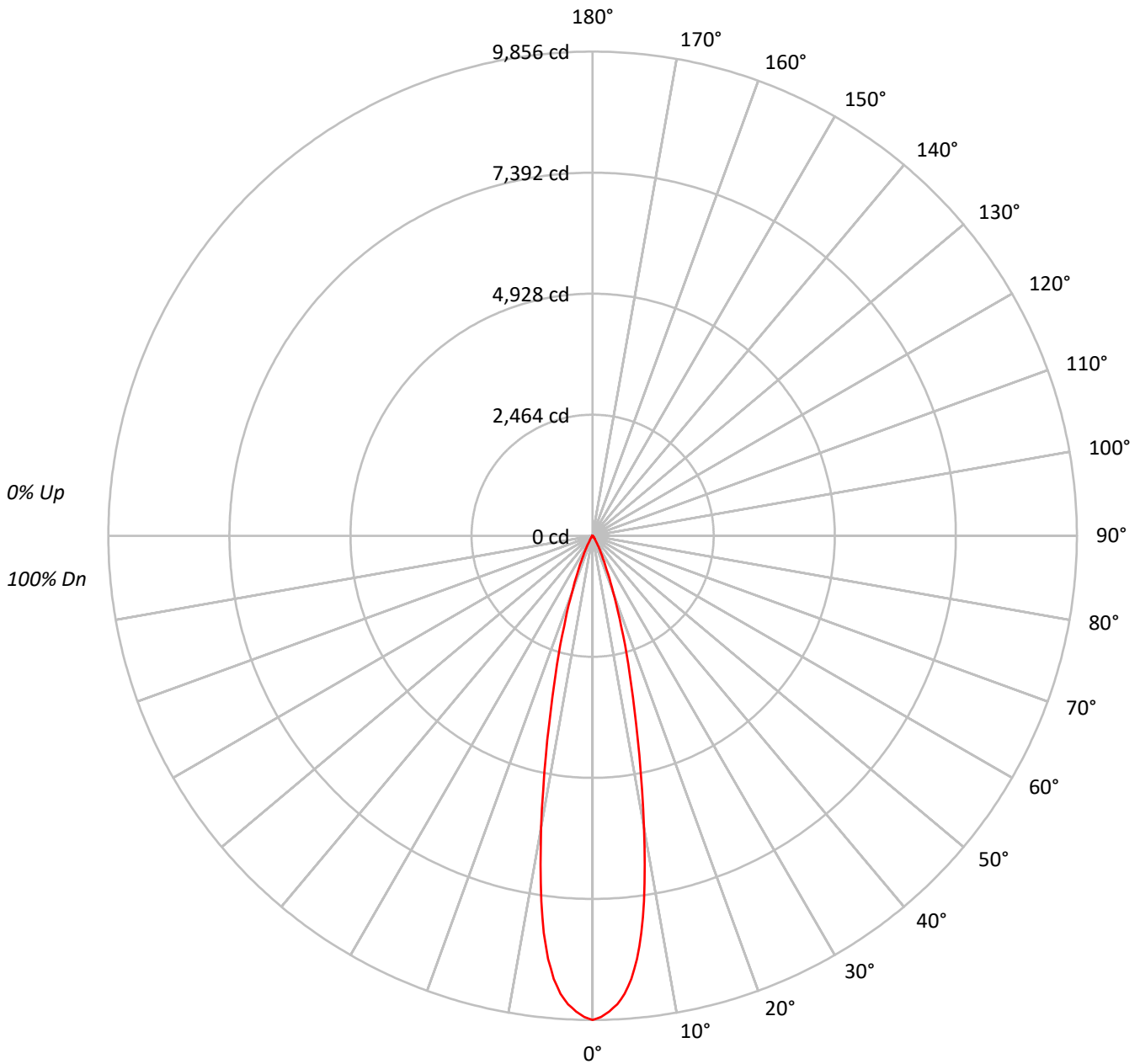
Lumens per Lamp: N/A
Luminaire Lumens: 1899.9 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.39
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (A_{in}): 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
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°	4862820
5°	4484703
10°	3022118
15°	1490057
20°	636435
25°	250190
30°	98499
35°	43184
40°	20802
45°	9977
50°	5526
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°	767.1	40.4
10°-20°	826.1	43.5
20°-30°	238.5	12.6
30°-40°	50.4	2.7
40°-50°	12.4	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°	1831.7	96.4
0°-40°	1882.1	99.1
0°-60°	1898.0	99.9
0°-90°	1899.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1899.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9856	
5°	9056	767
15°	2917	826
25°	460	239
35°	72	50
45°	14	12
55°	4	4
65°	1	1
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9856.5
1°	9794.7
2°	9689.8
3°	9548.3
4°	9347.6
5°	9055.5
6°	8661.3
7°	8147.0
8°	7514.4
9°	6777.1
10°	6032.5
11°	5279.9
12°	4569.4
13°	3938.7
14°	3384.1
15°	2917.3
17.5°	1928.1
20°	1212.2
22.5°	745.4
25°	459.6
27.5°	280.4
30°	172.9
32.5°	109.3
35°	71.7
37.5°	47.5
40°	32.3
42.5°	22.4
45°	14.3
47.5°	9.0
50°	7.2
52.5°	5.4
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)