

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: P315067

Luminaire Tested: **LDA2B15NFL8050D010 PIN1MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P315067
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: LDA2B15NFL8050D010 PIN1MB
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC
AND 2in Adj PinHole, Black oculus black finish
Light Source: -
Ballast/Driver: -

Summary

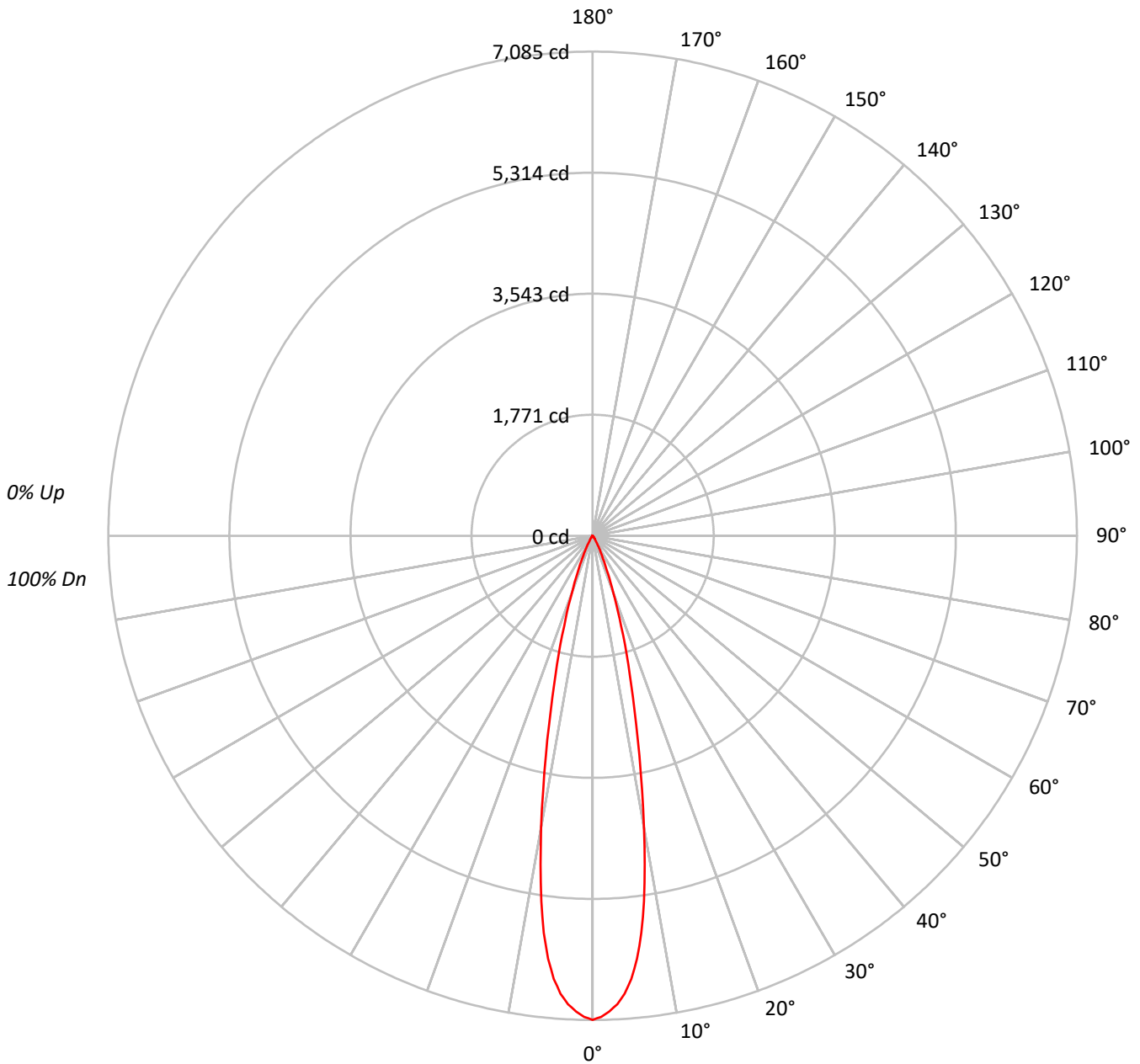
Lumens per Lamp: N/A
Luminaire Lumens: 1365.6 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.39
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14.1
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	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	78	82	79	77	82	79	77	76			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3495370
5°	3223608
10°	2172318
15°	1071025
20°	457506
25°	179858
30°	70812
35°	31018
40°	14942
45°	7187
50°	3991
55°	2236
60°	1283
65°	700
70°	865
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	551.4	40.4
10°-20°	593.8	43.5
20°-30°	171.5	12.6
30°-40°	36.2	2.7
40°-50°	8.9	0.7
50°-60°	2.6	0.2
60°-70°	0.8	0.1
70°-80°	0.4	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°	1316.6	96.4
0°-40°	1352.8	99.1
0°-60°	1364.3	99.9
0°-90°	1365.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1365.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7085	
5°	6509	551
15°	2097	594
25°	330	171
35°	52	36
45°	10	9
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7084.8
1°	7040.4
2°	6965.0
3°	6863.3
4°	6719.0
5°	6509.1
6°	6225.7
7°	5856.0
8°	5401.4
9°	4871.3
10°	4336.2
11°	3795.2
12°	3284.5
13°	2831.1
14°	2432.4
15°	2096.9
17.5°	1385.9
20°	871.4
22.5°	535.8
25°	330.4
27.5°	201.6
30°	124.3
32.5°	78.6
35°	51.5
37.5°	34.1
40°	23.2
42.5°	16.1
45°	10.3
47.5°	6.4
50°	5.2
52.5°	3.9
55°	2.6
57.5°	1.9
60°	1.3
62.5°	1.3
65°	0.6
67.5°	0.6
70°	0.6
72.5°	0.6
75°	0.0
77.5°	0.6
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)