

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: P315039

Luminaire Tested: **LDA2B15NFL8027D010 PIN1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P315039
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: LDA2B15NFL8027D010 PIN1MW
Description: PORTFOLIO 2IN ADJ 1500 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: 1281.3 lumens
Efficiency: N/A
Efficacy: 90.9 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

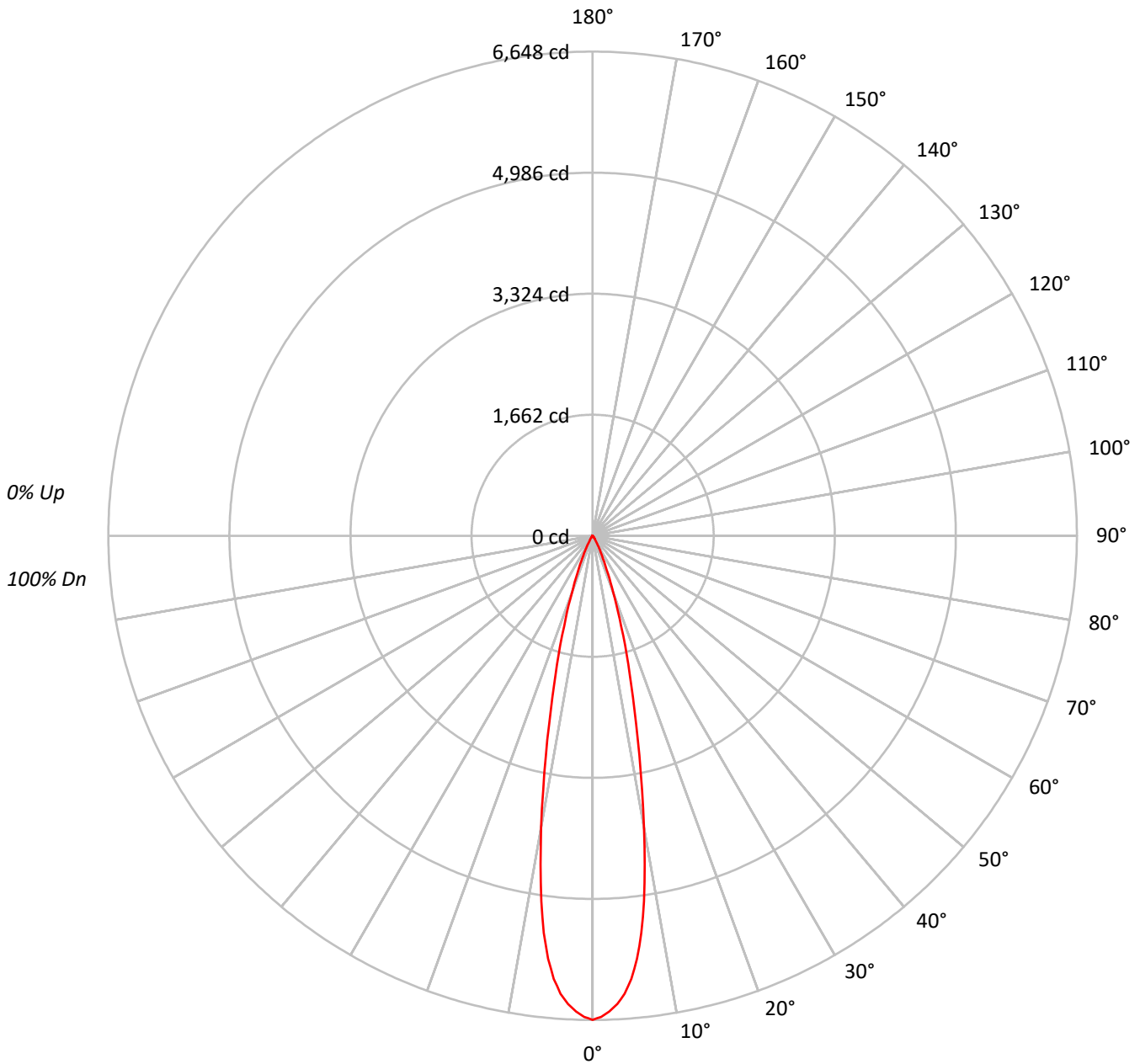
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3279721
5°	3024717
10°	2038257
15°	1004932
20°	429260
25°	168753
30°	66425
35°	29090
40°	14040
45°	6768
50°	3684
55°	2064
60°	1184
65°	700
70°	865
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	517.3	40.4
10°-20°	557.2	43.5
20°-30°	160.9	12.6
30°-40°	33.9	2.6
40°-50°	8.4	0.7
50°-60°	2.4	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°	1235.4	96.4
0°-40°	1269.3	99.1
0°-60°	1280.1	99.9
0°-90°	1281.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1281.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6648	
5°	6108	517
15°	1968	557
25°	310	161
35°	48	34
45°	10	8
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6647.7
1°	6606.0
2°	6535.3
3°	6439.9
4°	6304.5
5°	6107.5
6°	5841.6
7°	5494.8
8°	5068.1
9°	4570.8
10°	4068.6
11°	3561.0
12°	3081.8
13°	2656.4
14°	2282.4
15°	1967.5
17.5°	1300.4
20°	817.6
22.5°	502.8
25°	310.0
27.5°	189.1
30°	116.6
32.5°	73.7
35°	48.3
37.5°	32.0
40°	21.8
42.5°	15.1
45°	9.7
47.5°	6.0
50°	4.8
52.5°	3.6
55°	2.4
57.5°	1.8
60°	1.2
62.5°	1.2
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)