

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: P314932

Luminaire Tested: **LDA2B05NFL9050D010 PINW1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P314932
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: LDA2B05NFL9050D010 PINW1MW
Description: PORTFOLIO 2IN ADJ 500 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: 641.6 lumens
Efficiency: N/A
Efficacy: 91.7 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

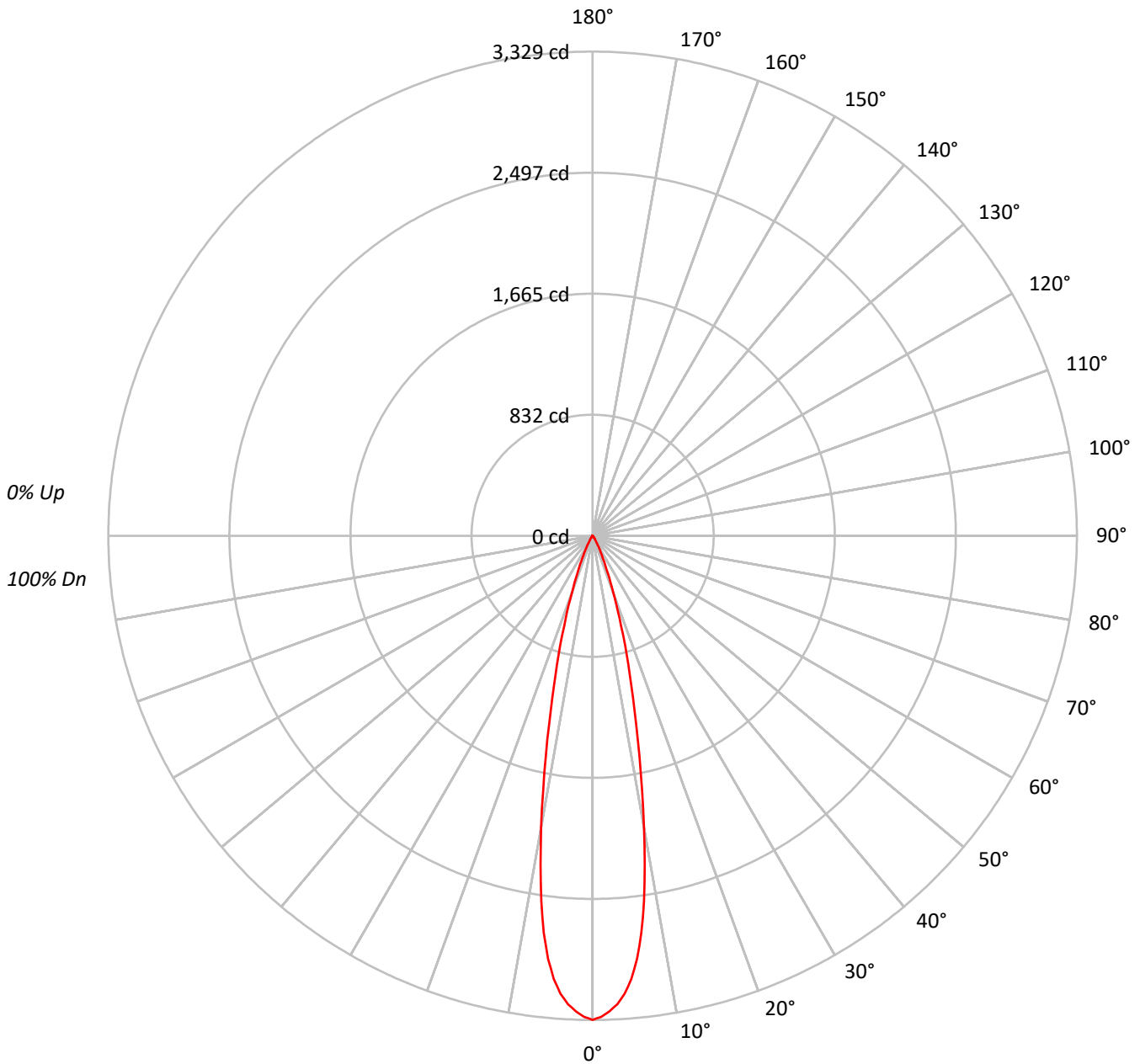
Input Watts (W): 7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			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°	1642401
5°	1514661
10°	1020682
15°	503257
20°	214945
25°	84485
30°	33270
35°	14575
40°	7020
45°	3349
50°	1842
55°	1032
60°	592
65°	350
70°	433
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.1	40.4
10°-20°	279.0	43.5
20°-30°	80.6	12.6
30°-40°	17.0	2.6
40°-50°	4.2	0.7
50°-60°	1.2	0.2
60°-70°	0.4	0.1
70°-80°	0.2	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°	618.6	96.4
0°-40°	635.6	99.1
0°-60°	641.0	99.9
0°-90°	641.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	641.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3329	
5°	3058	259
15°	985	279
25°	155	81
35°	24	17
45°	5	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3329.0
1°	3308.1
2°	3272.7
3°	3224.9
4°	3157.1
5°	3058.4
6°	2925.3
7°	2751.6
8°	2538.0
9°	2288.9
10°	2037.4
11°	1783.3
12°	1543.3
13°	1330.3
14°	1142.9
15°	985.3
17.5°	651.2
20°	409.4
22.5°	251.8
25°	155.2
27.5°	94.7
30°	58.4
32.5°	36.9
35°	24.2
37.5°	16.0
40°	10.9
42.5°	7.6
45°	4.8
47.5°	3.0
50°	2.4
52.5°	1.8
55°	1.2
57.5°	0.9
60°	0.6
62.5°	0.6
65°	0.3
67.5°	0.3
70°	0.3
72.5°	0.3
75°	0.0
77.5°	0.3
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)