

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: P314950

Luminaire Tested: **LDA2B05NFLD2WD010 PINW1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P314950  
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: LDA2B05NFLD2WD010 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: 546.4 lumens  
Efficiency: N/A  
Efficacy: 78.1 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

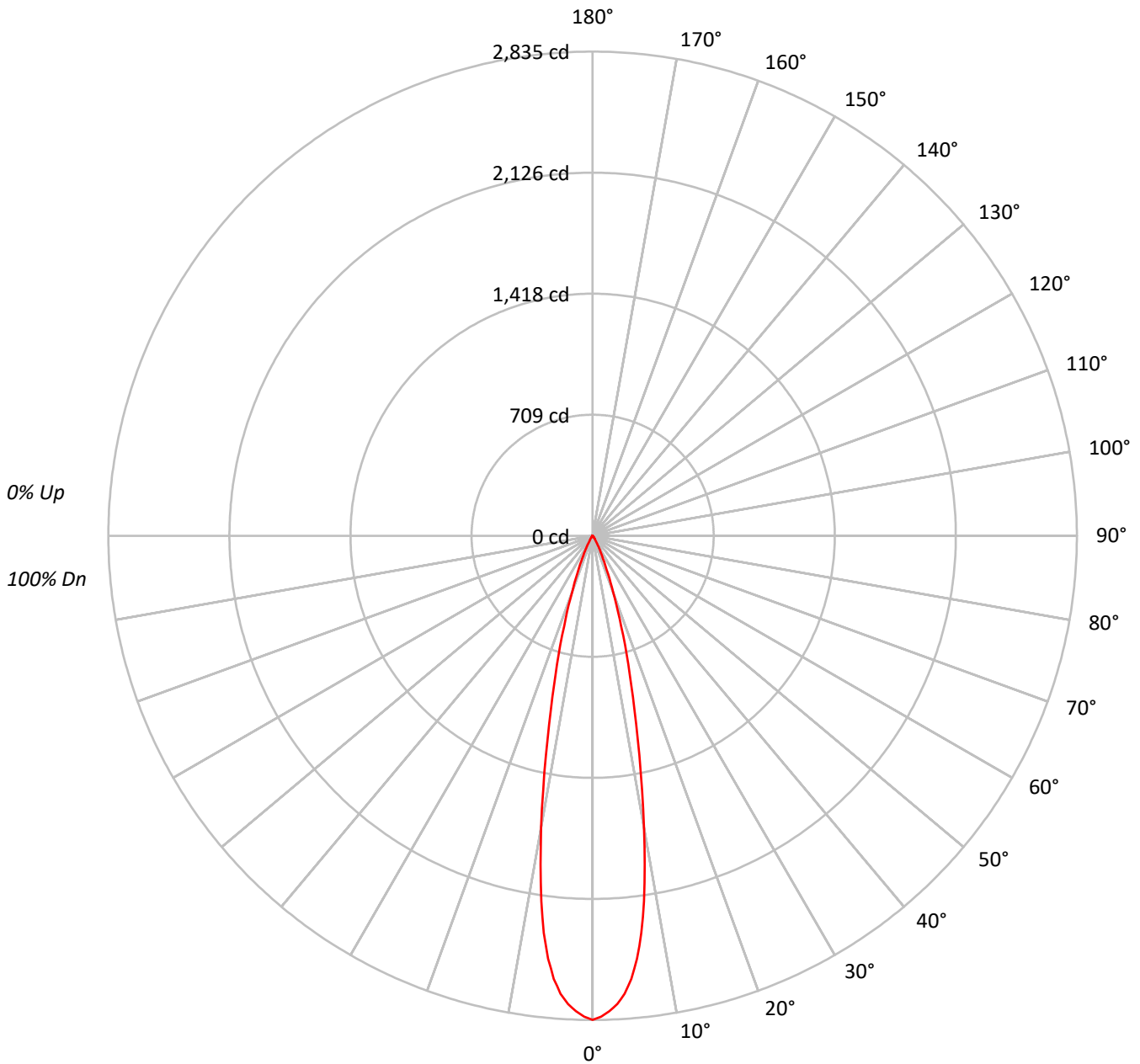
Input Watts (W): 7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P314950

CATALOG NUMBER: LDA2B05NFLD2WD010 PINW1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P314950

CATALOG NUMBER: LDA2B05NFLD2WD010 PINW1MW

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20																	
RC	80									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	77	82	79	77	82	79	77	76									76																		

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

	0°
0°	1398533
5°	1289770
10°	869138
15°	428532
20°	183024
25°	71965
30°	28313
35°	12407
40°	5990
45°	2861
50°	1612
55°	860
60°	493
65°	350
70°	433
75°	0
80°	0
85°	0



TEST NUMBER: P314950

CATALOG NUMBER: LDA2B05NFLD2WD010 PINW1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	220.6	40.4
10°-20°	237.6	43.5
20°-30°	68.6	12.6
30°-40°	14.5	2.6
40°-50°	3.6	0.7
50°-60°	1.0	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°	526.8	96.4
0°-40°	541.3	99.1
0°-60°	545.8	99.9
0°-90°	546.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	546.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2835	
5°	2604	221
15°	839	238
25°	132	69
35°	21	14
45°	4	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P314950

CATALOG NUMBER: LDA2B05NFLD2WD010 PINW1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2834.7
1°	2816.9
2°	2786.7
3°	2746.0
4°	2688.3
5°	2604.3
6°	2490.9
7°	2343.0
8°	2161.1
9°	1949.0
10°	1734.9
11°	1518.5
12°	1314.1
13°	1132.7
14°	973.2
15°	839.0
17.5°	554.5
20°	348.6
22.5°	214.4
25°	132.2
27.5°	80.7
30°	49.7
32.5°	31.4
35°	20.6
37.5°	13.7
40°	9.3
42.5°	6.4
45°	4.1
47.5°	2.6
50°	2.1
52.5°	1.5
55°	1.0
57.5°	0.8
60°	0.5
62.5°	0.5
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



TEST NUMBER: P314950

CATALOG NUMBER: LDA2B05NFLD2WD010 PINW1MW

**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)