

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: P278473

Luminaire Tested: **LDA2B059050D010 EU2B05NFL259050 2LBAD1GPH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P278473  
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: LDA2B059050D010 EU2B05NFL259050 2LBAD1GPH  
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC  
AND 2in ADJ spun Refl, Self-Flanged, GPH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 732.8 lumens  
Efficiency: N/A  
Efficacy: 104.7 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

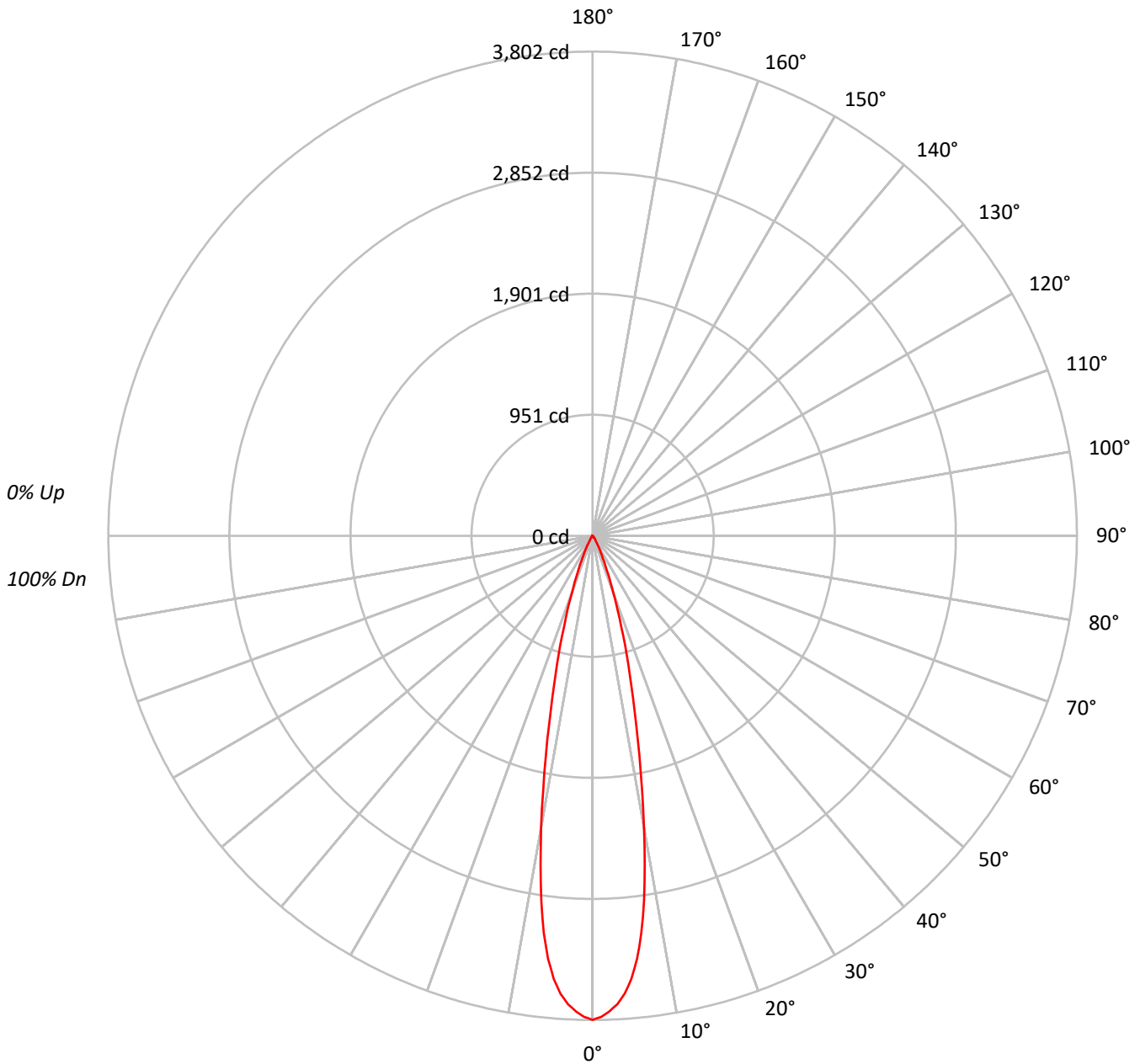
Input Watts (W): 7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P278473

CATALOG NUMBER: LDA2B059050D010 EU2B05NFL259050 2LBAD1GPH

### Luminous Intensity Polar Plot





TEST NUMBER: P278473

CATALOG NUMBER: LDA2B059050D010 EU2B05NFL259050 2LBAD1GPH

**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	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°	1875811
5°	1729945
10°	1165763
15°	574765
20°	245502
25°	96516
30°	37998
35°	16623
40°	7986
45°	3837
50°	2149
55°	1204
60°	691
65°	350
70°	433
75°	0
80°	0
85°	0



TEST NUMBER: P278473

CATALOG NUMBER: LDA2B059050D010 EU2B05NFL259050 2LBAD1GPH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	295.9	40.4
10°-20°	318.7	43.5
20°-30°	92.0	12.6
30°-40°	19.4	2.6
40°-50°	4.8	0.7
50°-60°	1.4	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°	706.6	96.4
0°-40°	726.0	99.1
0°-60°	732.2	99.9
0°-90°	732.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	732.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3802	
5°	3493	296
15°	1125	319
25°	177	92
35°	28	19
45°	6	5
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P278473

CATALOG NUMBER: LDA2B059050D010 EU2B05NFL259050 2LBAD1GPH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3802.1
1°	3778.3
2°	3737.8
3°	3683.2
4°	3605.8
5°	3493.1
6°	3341.1
7°	3142.7
8°	2898.7
9°	2614.2
10°	2327.0
11°	2036.7
12°	1762.6
13°	1519.3
14°	1305.4
15°	1125.3
17.5°	743.8
20°	467.6
22.5°	287.6
25°	177.3
27.5°	108.2
30°	66.7
32.5°	42.2
35°	27.6
37.5°	18.3
40°	12.4
42.5°	8.6
45°	5.5
47.5°	3.5
50°	2.8
52.5°	2.1
55°	1.4
57.5°	1.0
60°	0.7
62.5°	0.7
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: P278473

CATALOG NUMBER: LDA2B059050D010 EU2B05NFL259050 2LBAD1GPH

**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)