

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: P279369

Luminaire Tested: **LDA2B059050D010 EU2B05FL409050 2LBAD1GPH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P279369  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-3)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA2B059050D010 EU2B05FL409050 2LBAD1GPH  
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in  
ADJ spun Refl, Self-Flanged, GPH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 741.9 lumens  
Efficiency: N/A  
Efficacy: 106.0 lumens/watt  
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.55  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

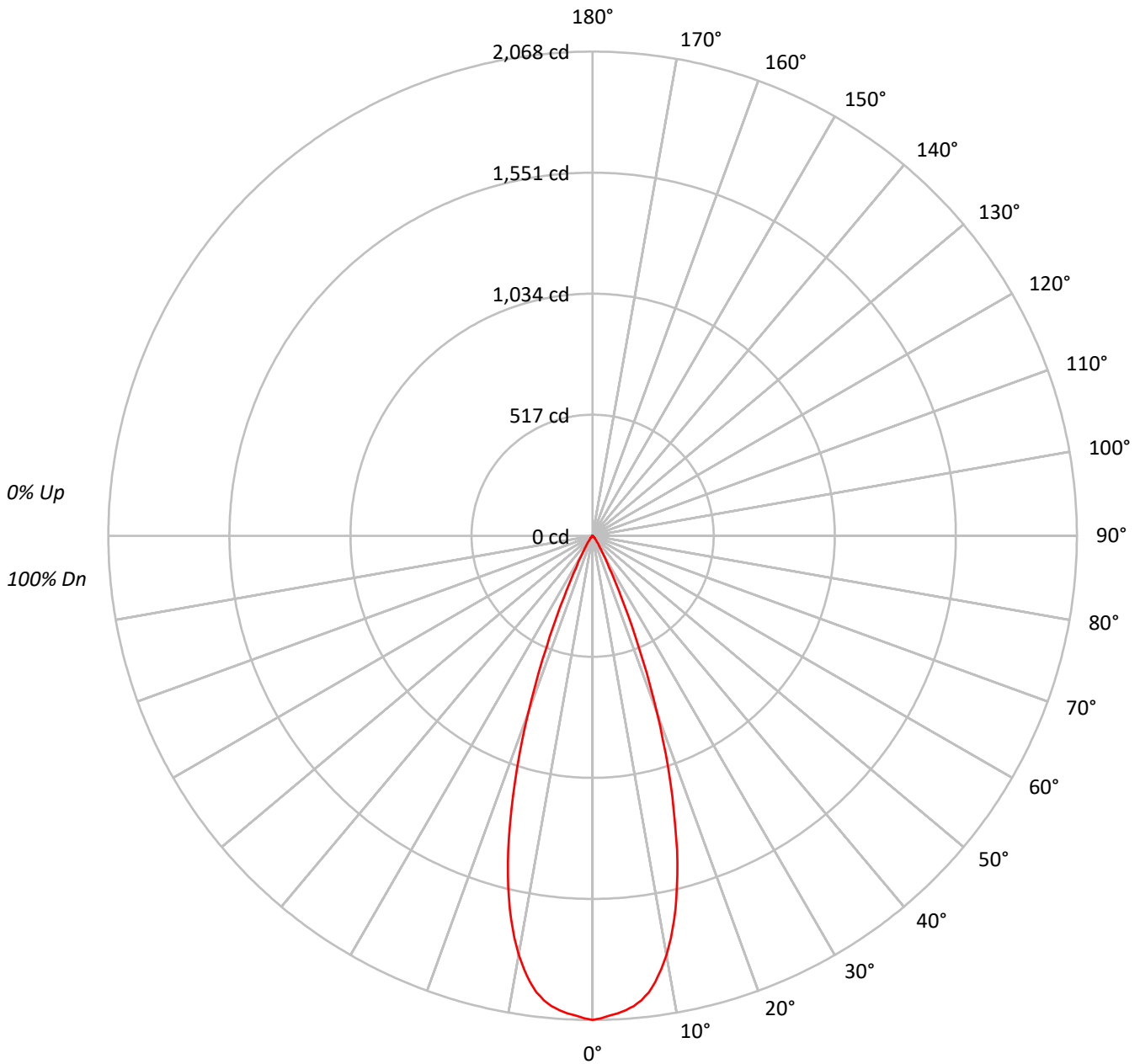
Input Watts (W): 7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P279369

CATALOG NUMBER: LDA2B059050D010 EU2B05FL409050 2LBAD1GPH

### Luminous Intensity Polar Plot





TEST NUMBER: P279369

CATALOG NUMBER: LDA2B059050D010 EU2B05FL409050 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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92		
3	107	102	98	95	105	101	97	94	98	95	93	96	94	92	94	92	90	89		
4	103	98	93	90	102	97	93	90	95	91	89	93	90	88	91	89	87	85		
5	100	94	89	86	98	93	89	86	91	88	85	90	87	84	88	86	84	82		
6	97	90	85	82	95	89	85	82	88	84	82	87	83	81	85	83	80	79		
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77		
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74		
9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	73	72		
10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	73	70	69		

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

	0°
0°	1020223
5°	998664
10°	910217
15°	711037
20°	420965
25°	156505
30°	48879
35°	21742
40°	10111
45°	4744
50°	2610
55°	1462
60°	691
65°	350
70°	433
75°	0
80°	0
85°	0



TEST NUMBER: P279369

CATALOG NUMBER: LDA2B059050D010 EU2B05FL409050 2LBAD1GPH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.4	25.1
10°-20°	370.7	50.0
20°-30°	151.8	20.5
30°-40°	25.1	3.4
40°-50°	5.9	0.8
50°-60°	1.6	0.2
60°-70°	0.3	0.0
70°-80°	0.0	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°	708.9	95.5
0°-40°	734.0	98.9
0°-60°	741.5	99.9
0°-90°	741.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	741.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2068	
5°	2016	186
15°	1392	371
25°	288	152
35°	36	25
45°	7	6
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P279369

CATALOG NUMBER: LDA2B059050D010 EU2B05FL409050 2LBAD1GPH

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2067.9
1°	2060.8
2°	2051.2
3°	2042.7
4°	2031.5
5°	2016.5
6°	1994.3
7°	1965.4
8°	1924.2
9°	1874.1
10°	1816.9
11°	1750.5
12°	1675.5
13°	1590.0
14°	1495.0
15°	1392.1
17.5°	1104.0
20°	801.8
22.5°	513.3
25°	287.5
27.5°	151.6
30°	85.8
32.5°	54.5
35°	36.1
37.5°	23.8
40°	15.7
42.5°	10.2
45°	6.8
47.5°	4.8
50°	3.4
52.5°	2.4
55°	1.7
57.5°	1.0
60°	0.7
62.5°	0.3
65°	0.3
67.5°	0.3
70°	0.3
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



TEST NUMBER: P279369

CATALOG NUMBER: LDA2B059050D010 EU2B05FL409050 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)