

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: P279400

Luminaire Tested: **LDA2B059730D010 EU2B05FL409730 2LBAD1WHH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P279400  
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: LDA2B059730D010 EU2B05FL409730 2LBAD1WHH  
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in  
ADJ spun Refl, Self-Flanged, WHH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 633.9 lumens  
Efficiency: N/A  
Efficacy: 90.6 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

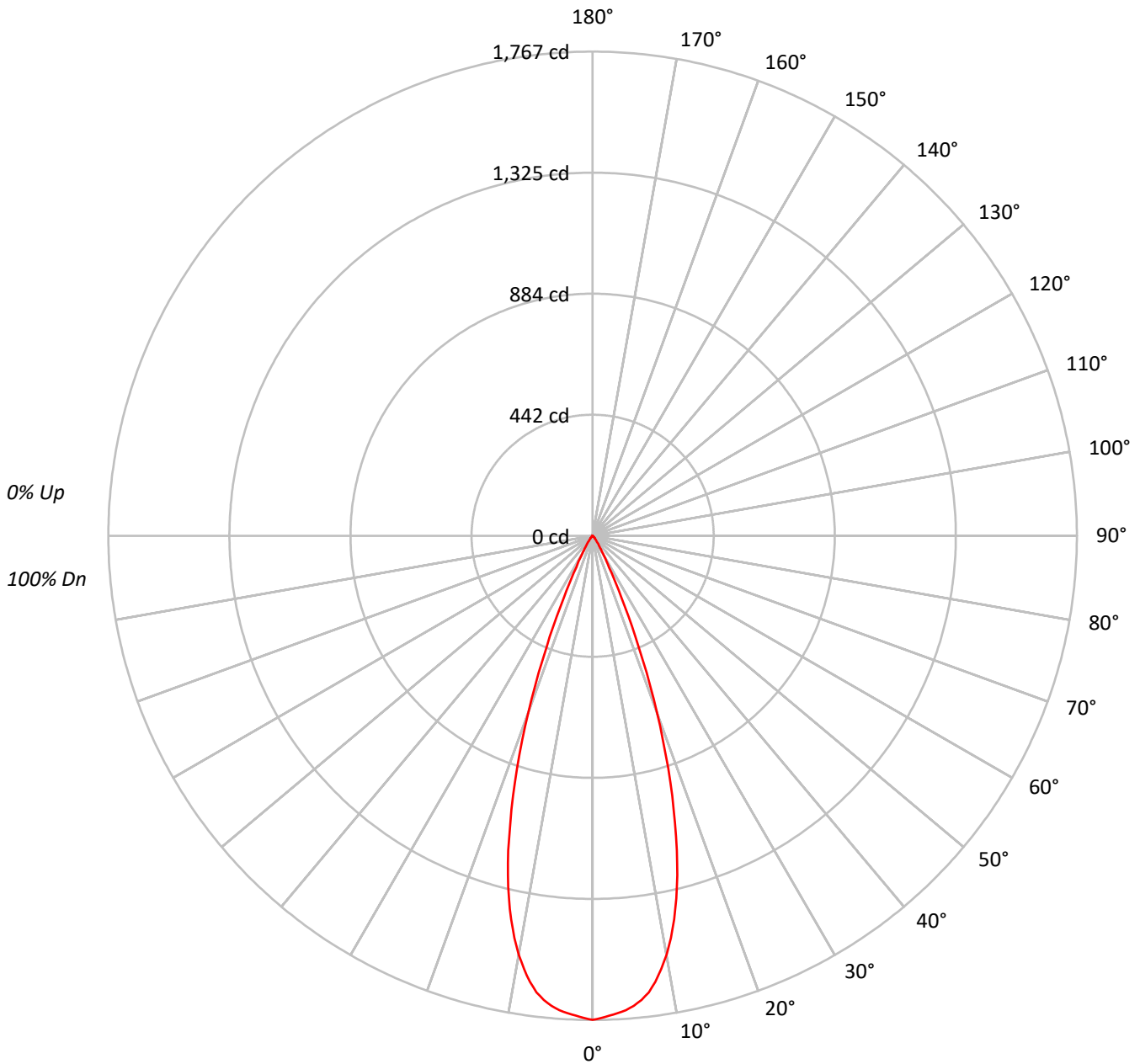
Input Watts (W): 7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P279400

CATALOG NUMBER: LDA2B059730D010 EU2B05FL409730 2LBAD1WHH

### Luminous Intensity Polar Plot





TEST NUMBER: P279400

CATALOG NUMBER: LDA2B059730D010 EU2B05FL409730 2LBAD1WHH

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

RF	20									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	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	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	83	82																												
6	97	90	85	82	95	89	85	82	88	84	81	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	72	70	69																												

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

	0°
0°	871573
5°	853111
10°	777560
15°	607403
20°	359642
25°	133696
30°	41758
35°	18550
40°	8630
45°	4047
50°	2226
55°	1290
60°	592
65°	350
70°	433
75°	0
80°	0
85°	0



TEST NUMBER: P279400

CATALOG NUMBER: LDA2B059730D010 EU2B05FL409730 2LBAD1WHH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.2	25.1
10°-20°	316.7	50.0
20°-30°	129.7	20.5
30°-40°	21.5	3.4
40°-50°	5.1	0.8
50°-60°	1.4	0.2
60°-70°	0.3	0.1
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°	605.6	95.5
0°-40°	627.0	98.9
0°-60°	633.5	99.9
0°-90°	633.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	633.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1767	
5°	1723	159
15°	1189	317
25°	246	130
35°	31	21
45°	6	5
55°	2	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P279400

CATALOG NUMBER: LDA2B059730D010 EU2B05FL409730 2LBAD1WHH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1766.6
1°	1760.4
2°	1752.3
3°	1745.0
4°	1735.4
5°	1722.6
6°	1703.7
7°	1679.0
8°	1643.8
9°	1601.0
10°	1552.1
11°	1495.4
12°	1431.3
13°	1358.3
14°	1277.1
15°	1189.2
17.5°	943.1
20°	685.0
22.5°	438.5
25°	245.6
27.5°	129.5
30°	73.3
32.5°	46.6
35°	30.8
37.5°	20.4
40°	13.4
42.5°	8.7
45°	5.8
47.5°	4.1
50°	2.9
52.5°	2.0
55°	1.5
57.5°	0.9
60°	0.6
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: P279400

CATALOG NUMBER: LDA2B059730D010 EU2B05FL409730 2LBAD1WHH

CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)