

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: P279288

Luminaire Tested: **LDA2B059024D010 EU2B05FL409024 2LBAD1WHH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P279288  
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: LDA2B059024D010 EU2B05FL409024 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: 614.3 lumens  
Efficiency: N/A  
Efficacy: 87.8 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

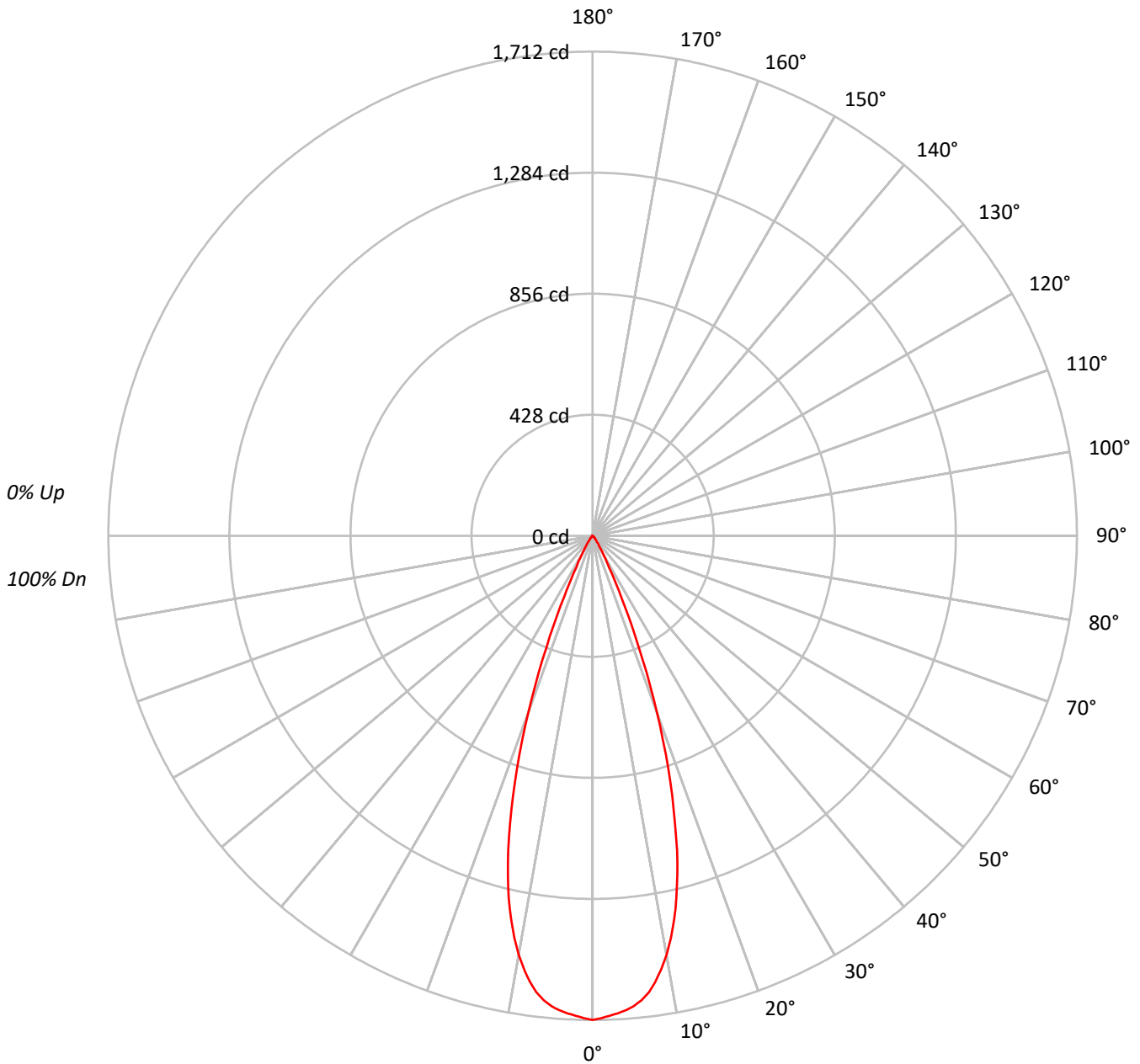
Input Watts (W): 7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

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

	0°
0°	844685
5°	826814
10°	753563
15°	588709
20°	348511
25°	129559
30°	40505
35°	18008
40°	8372
45°	3907
50°	2149
55°	1204
60°	592
65°	350
70°	433
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.3	25.1
10°-20°	306.9	50.0
20°-30°	125.7	20.5
30°-40°	20.8	3.4
40°-50°	4.9	0.8
50°-60°	1.3	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°	586.9	95.5
0°-40°	607.7	98.9
0°-60°	613.9	99.9
0°-90°	614.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	614.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1712	
5°	1670	154
15°	1153	307
25°	238	126
35°	30	21
45°	6	5
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1712.1
1°	1706.1
2°	1698.2
3°	1691.2
4°	1681.9
5°	1669.5
6°	1651.1
7°	1627.2
8°	1593.1
9°	1551.6
10°	1504.2
11°	1449.2
12°	1387.2
13°	1316.4
14°	1237.7
15°	1152.6
17.5°	914.0
20°	663.8
22.5°	425.0
25°	238.0
27.5°	125.5
30°	71.1
32.5°	45.1
35°	29.9
37.5°	19.7
40°	13.0
42.5°	8.5
45°	5.6
47.5°	3.9
50°	2.8
52.5°	2.0
55°	1.4
57.5°	0.8
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



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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)