

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: P279516

Luminaire Tested: **LDA2B109024D010 EU2B10FL409024 2LBALD1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P279516  
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: LDA2B109024D010 EU2B10FL409024 2LBALD1MW  
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in  
ADJ spun Refl w/lens Self-Flanged, MW  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 837.0 lumens  
Efficiency: N/A  
Efficacy: 83.7 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

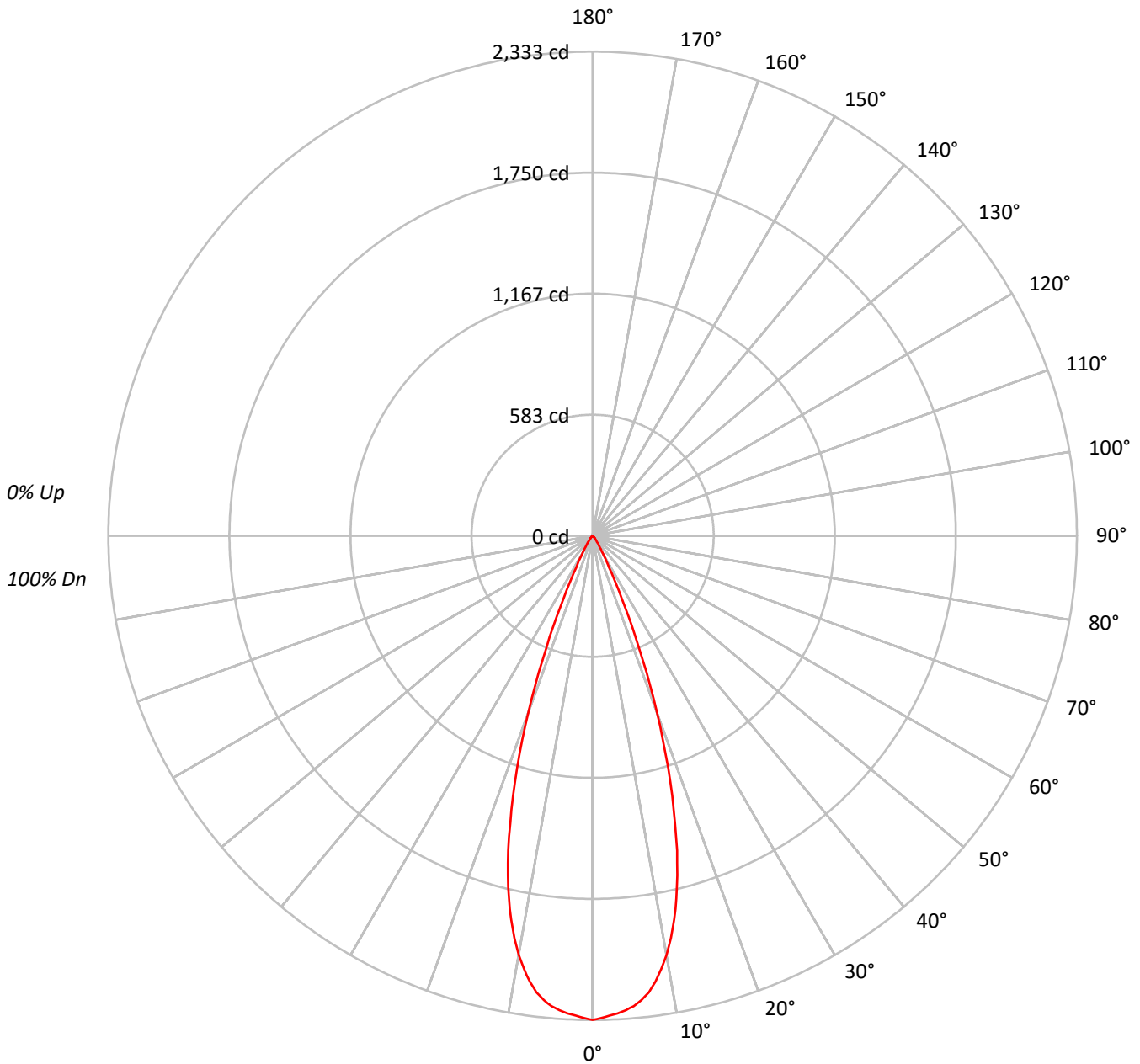
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									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°	1150865
5°	1126537
10°	1026744
15°	802106
20°	474885
25°	176537
30°	55146
35°	24513
40°	11399
45°	5372
50°	2917
55°	1634
60°	789
65°	467
70°	577
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	210.3	25.1
10°-20°	418.1	50.0
20°-30°	171.2	20.5
30°-40°	28.3	3.4
40°-50°	6.7	0.8
50°-60°	1.8	0.2
60°-70°	0.4	0.1
70°-80°	0.1	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°	799.6	95.5
0°-40°	828.0	98.9
0°-60°	836.5	99.9
0°-90°	837.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	837.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2333	
5°	2275	210
15°	1570	418
25°	324	171
35°	41	28
45°	8	7
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2332.7
1°	2324.6
2°	2313.8
3°	2304.2
4°	2291.6
5°	2274.7
6°	2249.7
7°	2217.0
8°	2170.5
9°	2114.0
10°	2049.5
11°	1974.6
12°	1890.0
13°	1793.6
14°	1686.4
15°	1570.4
17.5°	1245.3
20°	904.5
22.5°	579.0
25°	324.3
27.5°	171.0
30°	96.8
32.5°	61.5
35°	40.7
37.5°	26.9
40°	17.7
42.5°	11.5
45°	7.7
47.5°	5.4
50°	3.8
52.5°	2.7
55°	1.9
57.5°	1.2
60°	0.8
62.5°	0.4
65°	0.4
67.5°	0.4
70°	0.4
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)