

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: P278020

Luminaire Tested: **LDA2B109027D010 EU2B10SP159027 2LBAD1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P278020  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-1)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA2B109027D010 EU2B10SP159027 2LBAD1MW  
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH SPOT OPTIC AND 2in  
ADJ spun Refl, Self-Flanged, MW  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 836.4 lumens  
Efficiency: N/A  
Efficacy: 83.6 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.28  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

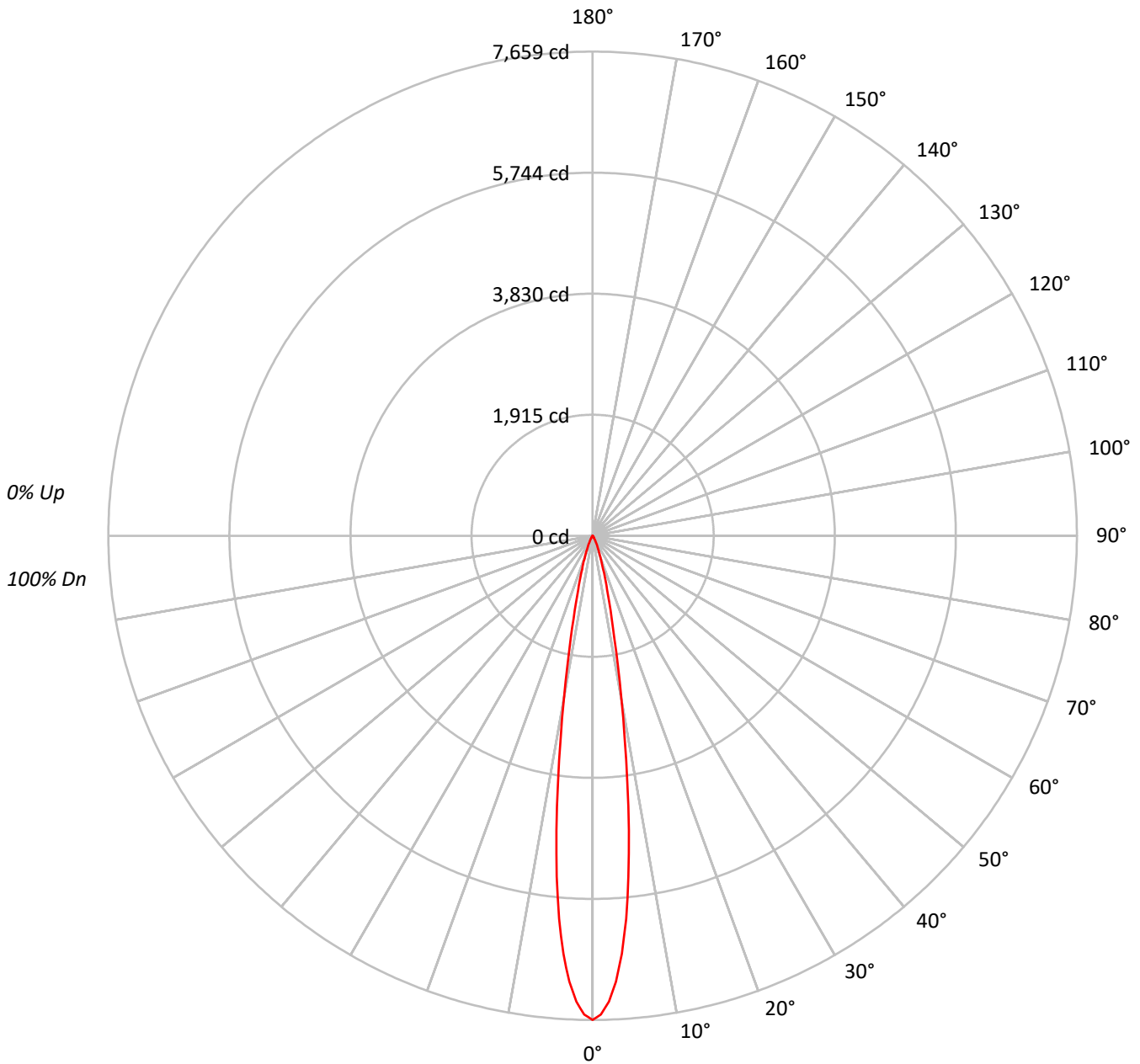
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98			
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	96			
3	109	105	102	100	108	104	101	99	102	99	98	100	98	96	97	96	95	93			
4	107	102	99	96	105	101	98	96	99	97	95	98	95	94	96	94	93	92			
5	104	99	96	93	103	99	95	93	97	94	92	96	93	91	94	92	91	90			
6	102	97	93	91	101	96	93	91	95	92	90	94	91	89	93	91	89	88			
7	100	95	91	89	99	94	91	88	93	90	88	92	90	88	91	89	87	86			
8	98	93	89	87	97	92	89	87	91	88	86	90	88	86	90	87	86	85			
9	96	91	87	85	95	90	87	85	90	87	85	89	86	84	88	86	84	83			
10	94	89	86	83	94	89	85	83	88	85	83	87	85	83	87	85	83	82			

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

	0°
0°	3778806
5°	3012732
10°	1307939
15°	451874
20°	185281
25°	83669
30°	33668
35°	15659
40°	8501
45°	3140
50°	1919
55°	1462
60°	789
65°	467
70°	577
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	459.7	55.0
10°-20°	276.1	33.0
20°-30°	76.0	9.1
30°-40°	18.1	2.2
40°-50°	4.5	0.5
50°-60°	1.5	0.2
60°-70°	0.5	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°	811.9	97.1
0°-40°	829.9	99.2
0°-60°	835.9	99.9
0°-90°	836.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	836.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7659	
5°	6083	460
15°	885	276
25°	154	76
35°	26	18
45°	4	4
55°	2	1
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7659.3
1°	7574.6
2°	7371.7
3°	7062.2
4°	6625.4
5°	6083.3
6°	5421.3
7°	4696.0
8°	3934.0
9°	3233.2
10°	2610.8
11°	2084.0
12°	1658.7
13°	1337.6
14°	1082.3
15°	884.7
17.5°	549.2
20°	352.9
22.5°	231.4
25°	153.7
27.5°	98.8
30°	59.1
32.5°	37.2
35°	26.0
37.5°	19.0
40°	13.2
42.5°	7.9
45°	4.5
47.5°	3.3
50°	2.5
52.5°	2.1
55°	1.7
57.5°	1.2
60°	0.8
62.5°	0.8
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)