

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: P277903

Luminaire Tested: **LDA2B059024D010 EU2B05SP159024 2LBAD1WH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P277903  
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: LDA2B059024D010 EU2B05SP159024 2LBAD1WH  
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH SPOT OPTIC AND 2in  
ADJ spun Refl, Self-Flanged, WH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 571.5 lumens  
Efficiency: N/A  
Efficacy: 81.6 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

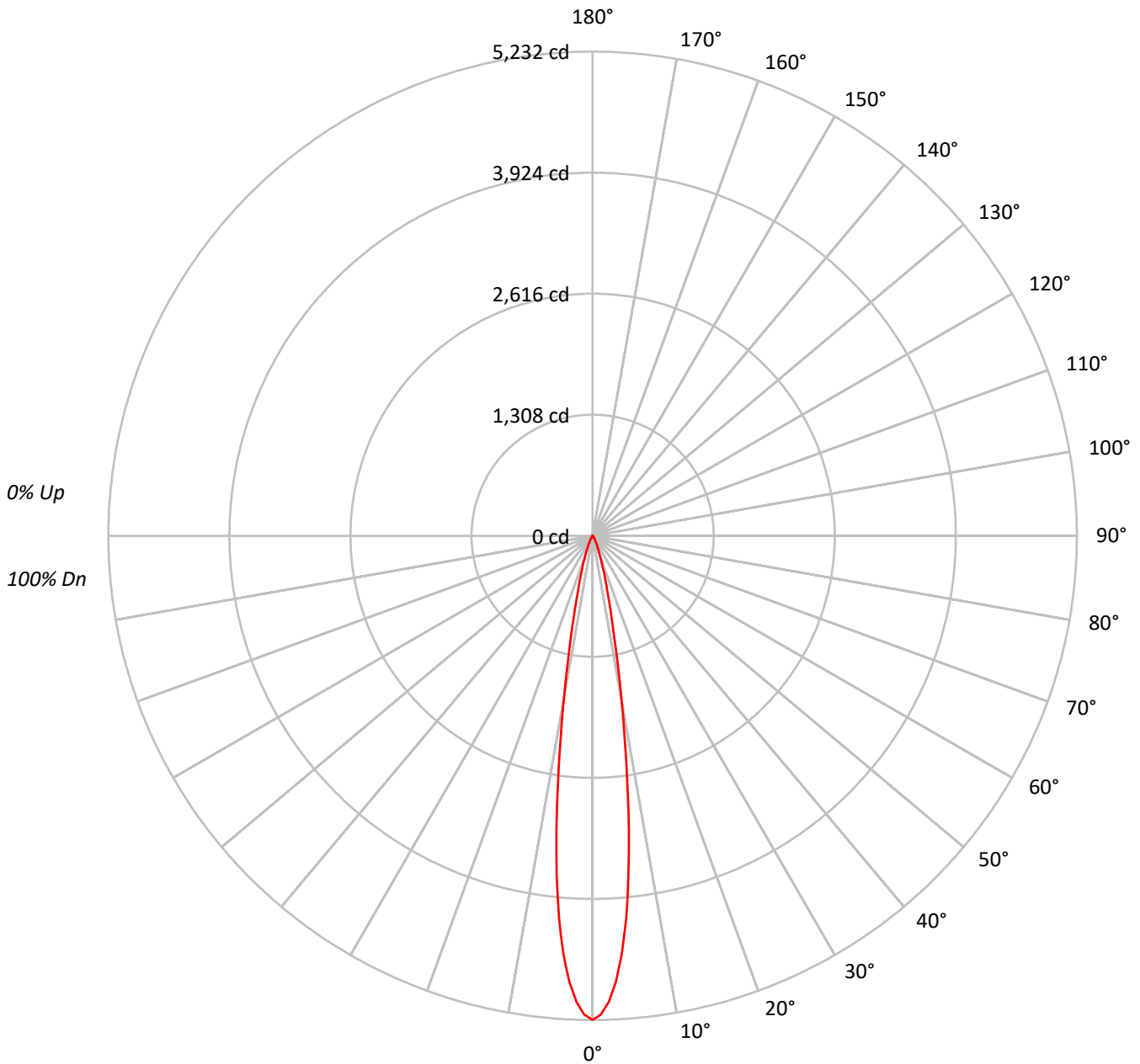
Input Watts (W): 7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	99	98	98																
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	96	97	96	95																
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°	2581466
5°	2058095
10°	893485
15°	308707
20°	126583
25°	57158
30°	23015
35°	10721
40°	5796
45°	2163
50°	1305
55°	946
60°	592
65°	350
70°	433
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	314.1	55.0
10°-20°	188.6	33.0
20°-30°	51.9	9.1
30°-40°	12.4	2.2
40°-50°	3.1	0.5
50°-60°	1.0	0.2
60°-70°	0.4	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°	554.6	97.1
0°-40°	567.0	99.2
0°-60°	571.0	99.9
0°-90°	571.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	571.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5232	
5°	4156	314
15°	604	189
25°	105	52
35°	18	12
45°	3	3
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5232.4
1°	5174.5
2°	5035.9
3°	4824.4
4°	4526.1
5°	4155.7
6°	3703.4
7°	3208.0
8°	2687.5
9°	2208.7
10°	1783.5
11°	1423.6
12°	1133.1
13°	913.8
14°	739.3
15°	604.4
17.5°	375.2
20°	241.1
22.5°	158.1
25°	105.0
27.5°	67.5
30°	40.4
32.5°	25.4
35°	17.8
37.5°	13.0
40°	9.0
42.5°	5.4
45°	3.1
47.5°	2.3
50°	1.7
52.5°	1.4
55°	1.1
57.5°	0.8
60°	0.6
62.5°	0.6
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)