

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: P277916

Luminaire Tested: **LDA2B059030D010 EU2B05SP159030 2LBAD1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P277916  
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: LDA2B059030D010 EU2B05SP159030 2LBAD1MW  
Description: PORTFOLIO 2IN ADJ 500 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: 642.3 lumens  
Efficiency: N/A  
Efficacy: 91.8 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

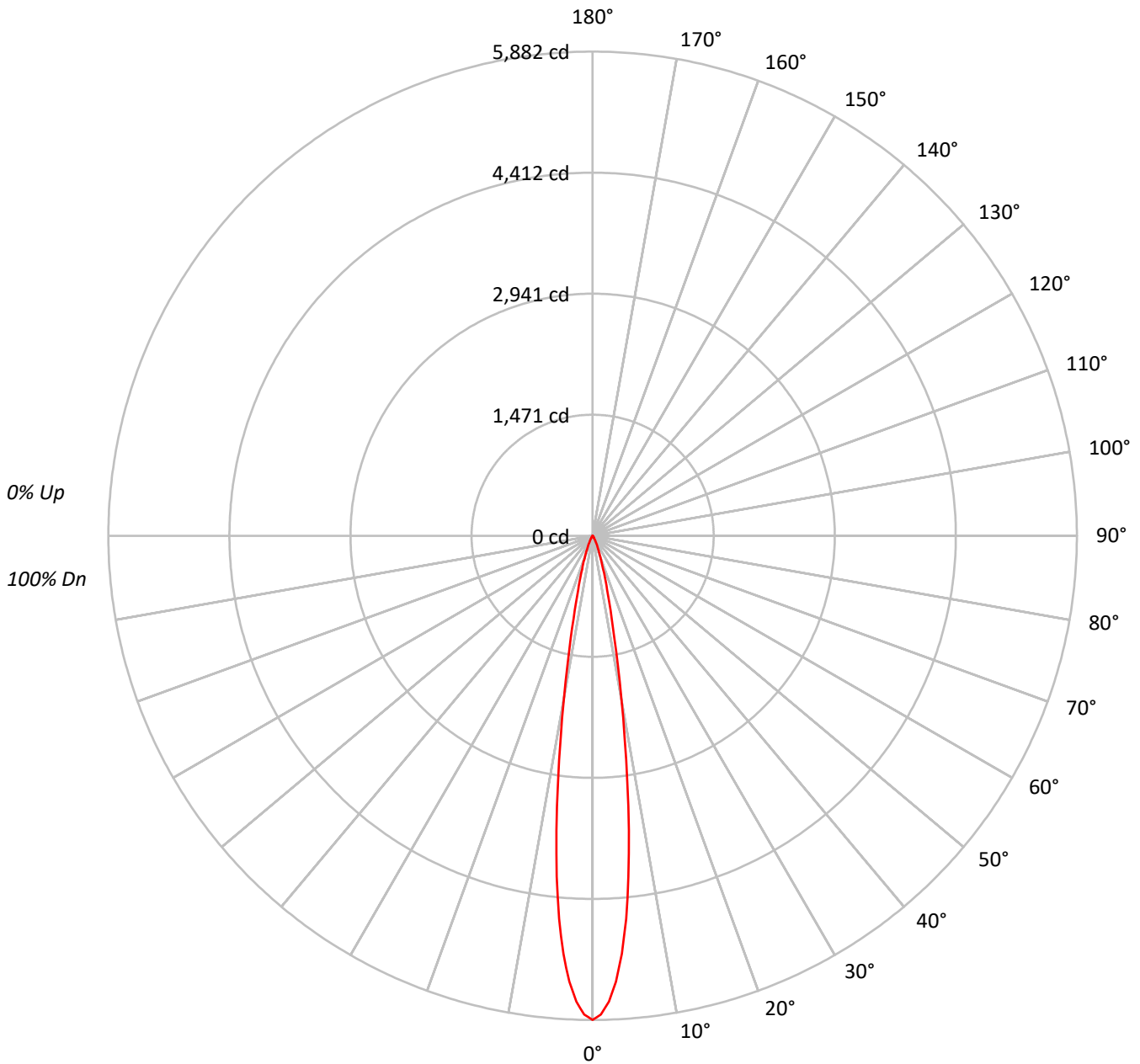
Input Watts (W): 7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2901905
5°	2313593
10°	1004450
15°	347014
20°	142282
25°	64289
30°	25864
35°	12046
40°	6569
45°	2442
50°	1458
55°	1118
60°	592
65°	350
70°	433
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	353.1	55.0
10°-20°	212.0	33.0
20°-30°	58.4	9.1
30°-40°	13.9	2.2
40°-50°	3.4	0.5
50°-60°	1.1	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°	623.5	97.1
0°-40°	637.3	99.2
0°-60°	641.9	99.9
0°-90°	642.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	642.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5882	
5°	4672	353
15°	679	212
25°	118	58
35°	20	14
45°	4	3
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5881.9
1°	5816.9
2°	5661.1
3°	5423.4
4°	5087.9
5°	4671.6
6°	4163.2
7°	3606.3
8°	3021.1
9°	2482.9
10°	2005.0
11°	1600.4
12°	1273.8
13°	1027.2
14°	831.1
15°	679.4
17.5°	421.7
20°	271.0
22.5°	177.7
25°	118.1
27.5°	75.8
30°	45.4
32.5°	28.6
35°	20.0
37.5°	14.6
40°	10.2
42.5°	6.0
45°	3.5
47.5°	2.5
50°	1.9
52.5°	1.6
55°	1.3
57.5°	1.0
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)