

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: P277934

Luminaire Tested: **LDA2B059040D010 EU2B05SP159040 2LBAD1WMH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P277934  
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: LDA2B059040D010 EU2B05SP159040 2LBAD1WMH  
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH SPOT OPTIC AND 2in  
ADJ spun Refl, Self-Flanged, WMH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 681.0 lumens  
Efficiency: N/A  
Efficacy: 97.3 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

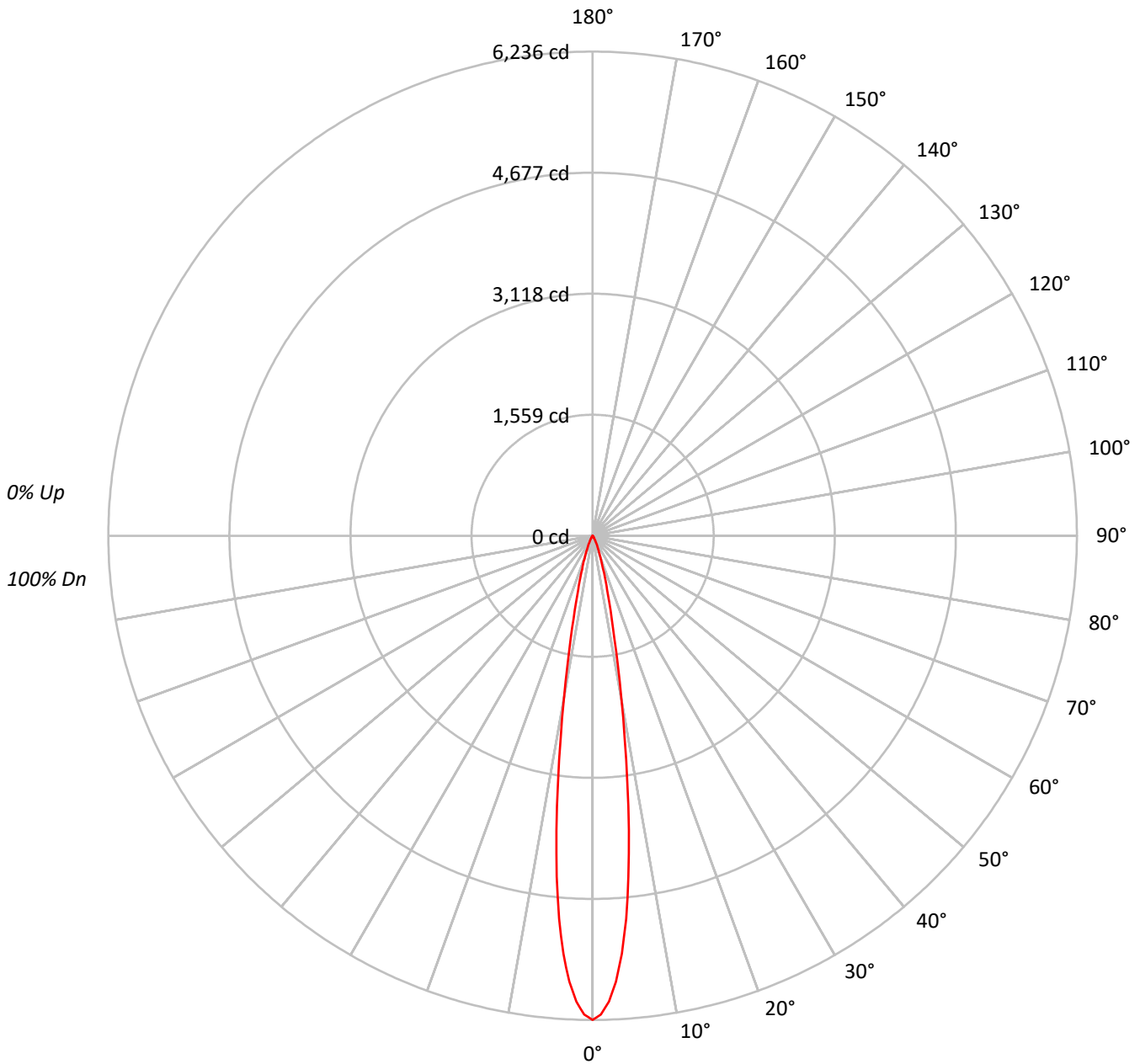
Input Watts (W): 7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P277934

CATALOG NUMBER: LDA2B059040D010 EU2B05SP159040 2LBAD1WMH

### Luminous Intensity Polar Plot





TEST NUMBER: P277934

CATALOG NUMBER: LDA2B059040D010 EU2B05SP159040 2LBAD1WMH

**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	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	110	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°	3076703
5°	2452955
10°	1064918
15°	367956
20°	150840
25°	68154
30°	27402
35°	12768
40°	6956
45°	2582
50°	1535
55°	1118
60°	691
65°	350
70°	433
75°	0
80°	0
85°	0



TEST NUMBER: P277934

CATALOG NUMBER: LDA2B059040D010 EU2B05SP159040 2LBAD1WMH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	374.3	55.0
10°-20°	224.8	33.0
20°-30°	61.9	9.1
30°-40°	14.7	2.2
40°-50°	3.6	0.5
50°-60°	1.2	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°	661.0	97.1
0°-40°	675.7	99.2
0°-60°	680.6	99.9
0°-90°	681.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	681.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6236	
5°	4953	374
15°	720	225
25°	125	62
35°	21	15
45°	4	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P277934

CATALOG NUMBER: LDA2B059040D010 EU2B05SP159040 2LBAD1WMH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6236.2
1°	6167.3
2°	6002.1
3°	5750.1
4°	5394.4
5°	4953.0
6°	4414.0
7°	3823.5
8°	3203.1
9°	2632.4
10°	2125.7
11°	1696.8
12°	1350.5
13°	1089.1
14°	881.2
15°	720.4
17.5°	447.2
20°	287.3
22.5°	188.4
25°	125.2
27.5°	80.4
30°	48.1
32.5°	30.3
35°	21.2
37.5°	15.5
40°	10.8
42.5°	6.4
45°	3.7
47.5°	2.7
50°	2.0
52.5°	1.7
55°	1.3
57.5°	1.0
60°	0.7
62.5°	0.7
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



TEST NUMBER: P277934

CATALOG NUMBER: LDA2B059040D010 EU2B05SP159040 2LBAD1WMH

**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)