

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: P280201

Luminaire Tested: **LDA2B059027D010 EU2B05WFL559027 2LBAD1GPH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P280201  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-5)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA2B059027D010 EU2B05WFL559027 2LBAD1GPH  
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND  
2in ADJ spun Refl, Self-Flanged, GPH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 653.2 lumens  
Efficiency: N/A  
Efficacy: 93.3 lumens/watt  
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.73  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

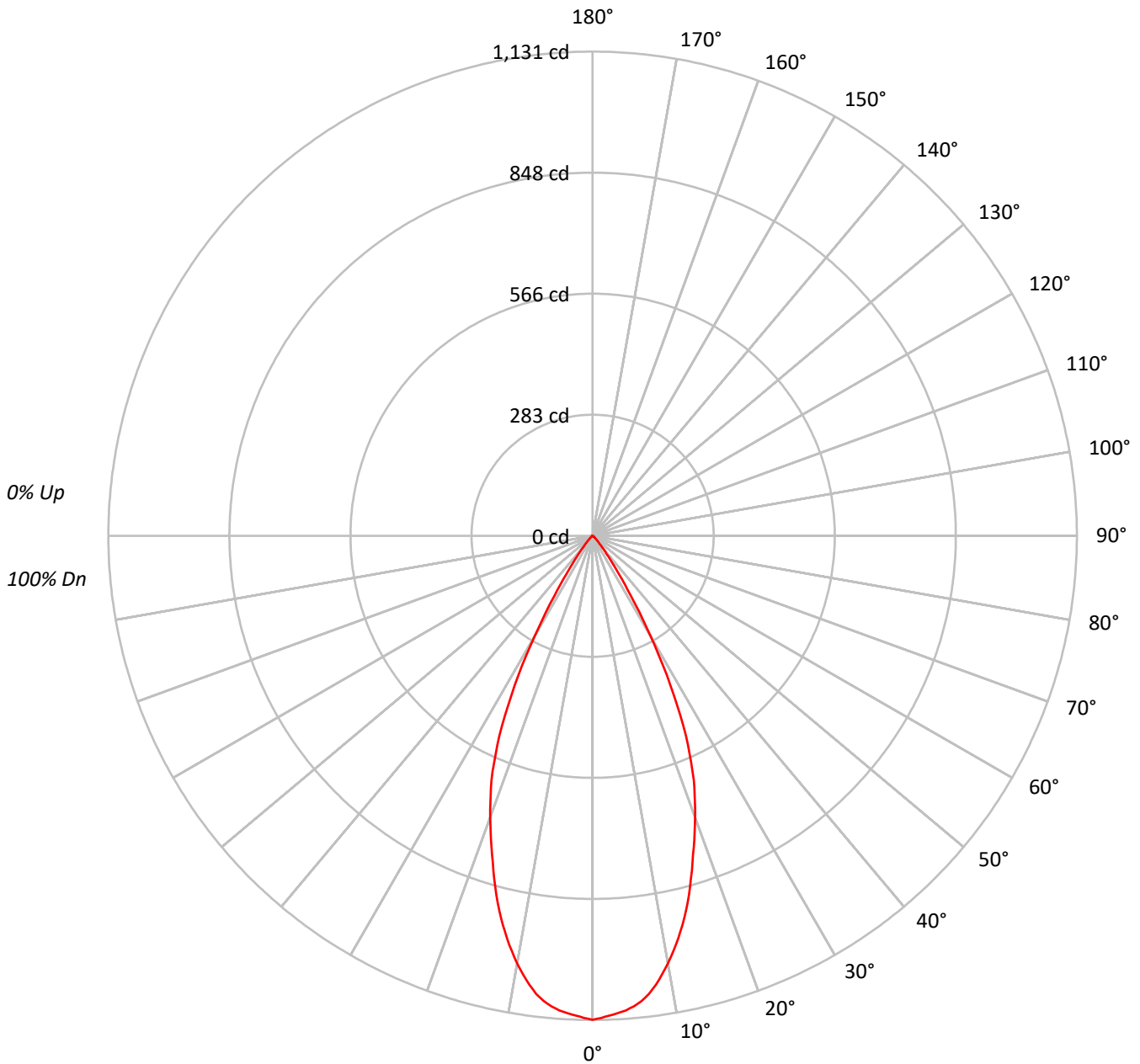
Input Watts (W): 7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P280201

CATALOG NUMBER: LDA2B059027D010 EU2B05WFL559027 2LBAD1GPH

### Luminous Intensity Polar Plot





TEST NUMBER: P280201

CATALOG NUMBER: LDA2B059027D010 EU2B05WFL559027 2LBAD1GPH

**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	114	112	109	107	112	110	108	106	106	104	103	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65
9	81	73	68	64	80	72	68	64	72	67	64	71	67	64	70	66	64	62
10	78	70	65	61	77	69	64	61	69	64	61	68	64	61	67	63	61	59

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

	0°
0°	557844
5°	546455
10°	508137
15°	443702
20°	367360
25°	280947
30°	153758
35°	56916
40°	19708
45°	8861
50°	4221
55°	2064
60°	592
65°	350
70°	433
75°	0
80°	0
85°	0



TEST NUMBER: P280201

CATALOG NUMBER: LDA2B059027D010 EU2B05WFL559027 2LBAD1GPH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.5	15.7
10°-20°	240.1	36.8
20°-30°	226.9	34.7
30°-40°	69.9	10.7
40°-50°	11.0	1.7
50°-60°	2.3	0.4
60°-70°	0.3	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°	569.5	87.2
0°-40°	639.4	97.9
0°-60°	652.8	99.9
0°-90°	653.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	653.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1131	
5°	1103	103
15°	869	240
25°	516	227
35°	94	70
45°	13	11
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P280201

CATALOG NUMBER: LDA2B059027D010 EU2B05WFL559027 2LBAD1GPH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1130.7
1°	1126.4
2°	1121.3
3°	1117.0
4°	1111.6
5°	1103.4
6°	1092.8
7°	1078.6
8°	1059.5
9°	1037.4
10°	1014.3
11°	988.9
12°	961.9
13°	932.6
14°	902.0
15°	868.7
17.5°	780.5
20°	699.7
22.5°	617.6
25°	516.1
27.5°	393.7
30°	269.9
32.5°	165.7
35°	94.5
37.5°	52.7
40°	30.6
42.5°	19.1
45°	12.7
47.5°	8.5
50°	5.5
52.5°	3.6
55°	2.4
57.5°	1.5
60°	0.6
62.5°	0.3
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: P280201

CATALOG NUMBER: LDA2B059027D010 EU2B05WFL559027 2LBAD1GPH

**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)