

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: P280684

Luminaire Tested: **LDA2B159035D010 EU2B15WFL559035 2LBALD1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P280684  
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: LDA2B159035D010 EU2B15WFL559035 2LBALD1MW  
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND  
2in ADJ spun Refl w/lens Self-Flanged, MW  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1276.1 lumens  
Efficiency: N/A  
Efficacy: 90.5 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

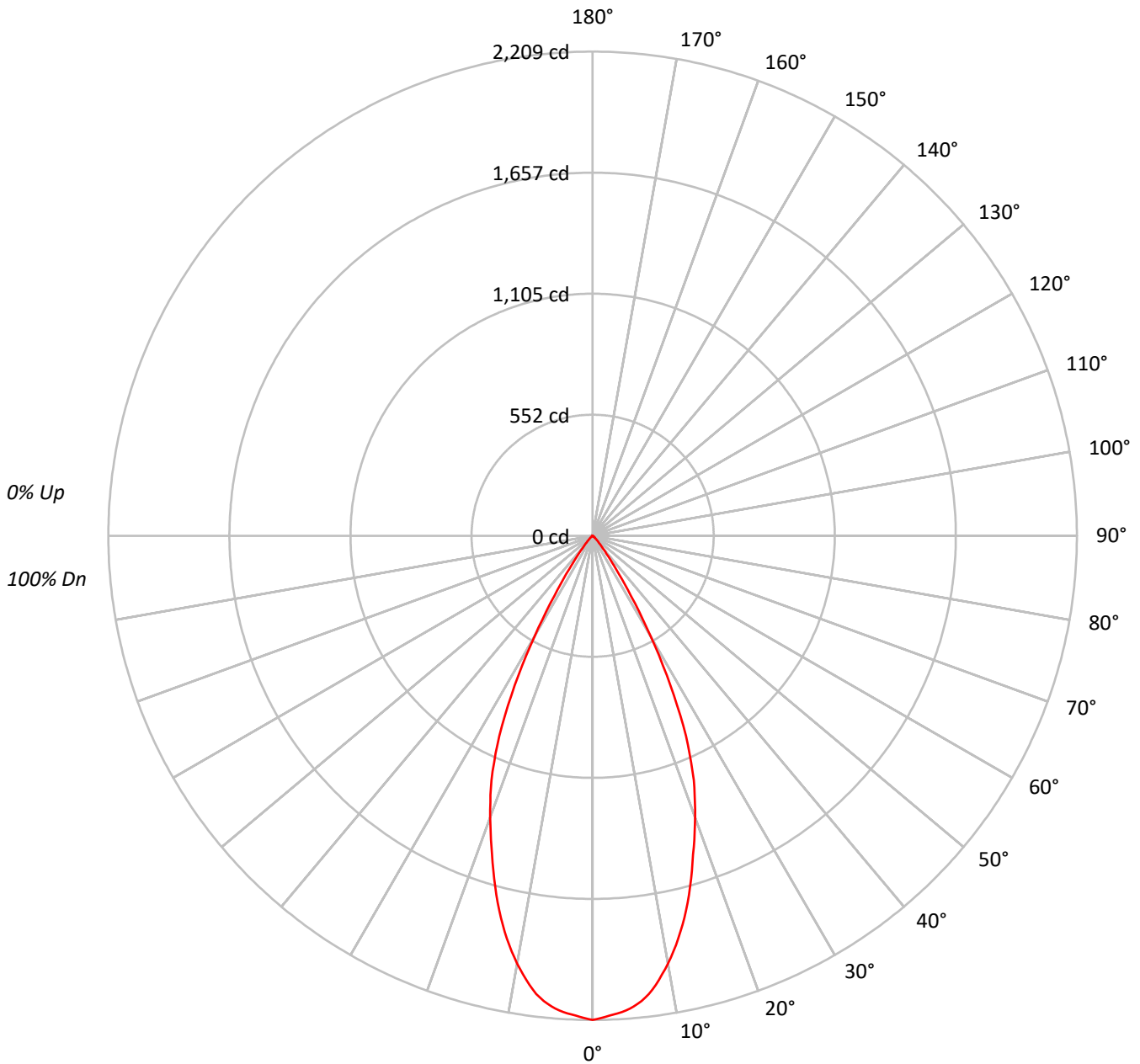
Input Watts (W): 14.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P280684

CATALOG NUMBER: LDA2B159035D010 EU2B15WFL559035 2LBALD1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P280684

CATALOG NUMBER: LDA2B159035D010 EU2B15WFL559035 2LBALD1MW

**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°	1089787
5°	1067553
10°	992778
15°	866769
20°	717656
25°	548883
30°	300338
35°	111182
40°	38513
45°	17373
50°	8213
55°	4043
60°	1184
65°	700
70°	865
75°	0
80°	0
85°	0



TEST NUMBER: P280684

CATALOG NUMBER: LDA2B159035D010 EU2B15WFL559035 2LBALD1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	200.3	15.7
10°-20°	469.0	36.8
20°-30°	443.3	34.7
30°-40°	136.5	10.7
40°-50°	21.6	1.7
50°-60°	4.6	0.4
60°-70°	0.7	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°	1112.7	87.2
0°-40°	1249.2	97.9
0°-60°	1275.3	99.9
0°-90°	1276.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1276.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2209	
5°	2156	200
15°	1697	469
25°	1008	443
35°	185	136
45°	25	22
55°	5	5
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P280684

CATALOG NUMBER: LDA2B159035D010 EU2B15WFL559035 2LBALD1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2208.9
1°	2200.6
2°	2190.5
3°	2182.2
4°	2171.6
5°	2155.6
6°	2134.9
7°	2107.1
8°	2069.8
9°	2026.6
10°	1981.7
11°	1931.9
12°	1879.3
13°	1821.9
14°	1762.1
15°	1697.0
17.5°	1524.8
20°	1366.9
22.5°	1206.5
25°	1008.3
27.5°	769.2
30°	527.2
32.5°	323.7
35°	184.6
37.5°	103.0
40°	59.8
42.5°	37.3
45°	24.9
47.5°	16.6
50°	10.7
52.5°	7.1
55°	4.7
57.5°	3.0
60°	1.2
62.5°	0.6
65°	0.6
67.5°	0.6
70°	0.6
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



TEST NUMBER: P280684

CATALOG NUMBER: LDA2B159035D010 EU2B15WFL559035 2LBALD1MW

**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)