

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: P279749

Luminaire Tested: **LDA2B159027D010 EU2B15FL409027 2LBAD1B**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P279749  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-3)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA2B159027D010 EU2B15FL409027 2LBAD1B  
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in  
ADJ spun Refl, Self-Flanged, B  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1180.2 lumens  
Efficiency: N/A  
Efficacy: 83.7 lumens/watt  
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.55  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

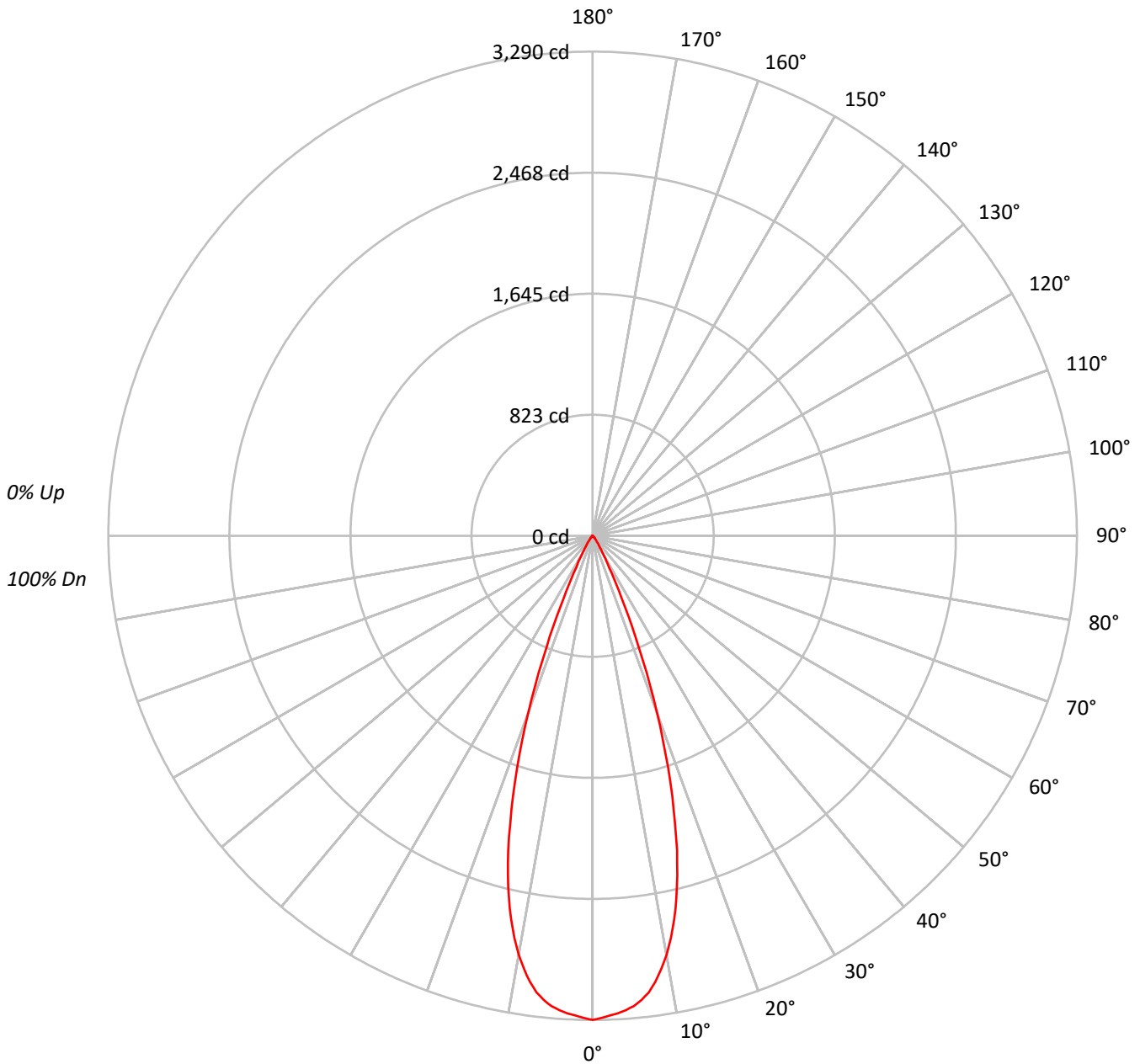
Input Watts (W): 14.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																																			
	2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																																			
	3	107	102	98	95	105	101	97	94	98	95	93	96	94	92	94	92	90	89																																			
	4	103	98	93	90	102	97	93	90	95	91	89	93	90	88	91	89	87	85																																			
	5	100	94	89	86	98	93	89	86	91	88	85	90	87	84	88	86	84	82																																			
	6	97	90	85	82	95	89	85	82	88	84	82	87	83	81	85	83	80	79																																			
	7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																																			
	8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																																			
	9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	73	72																																			
	10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	73	70	69																																			

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

	0°
0°	1622914
5°	1588602
10°	1447861
15°	1131091
20°	669669
25°	248938
30°	77762
35°	34571
40°	16037
45°	7535
50°	4145
55°	2322
60°	1085
65°	584
70°	721
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	296.5	25.1
10°-20°	589.6	50.0
20°-30°	241.5	20.5
30°-40°	40.0	3.4
40°-50°	9.5	0.8
50°-60°	2.5	0.2
60°-70°	0.6	0.0
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°	1127.6	95.5
0°-40°	1167.6	98.9
0°-60°	1179.6	99.9
0°-90°	1180.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1180.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3290	
5°	3208	297
15°	2214	590
25°	457	241
35°	57	40
45°	11	9
55°	3	3
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3289.5
1°	3278.1
2°	3262.9
3°	3249.4
4°	3231.5
5°	3207.7
6°	3172.4
7°	3126.4
8°	3060.8
9°	2981.2
10°	2890.1
11°	2784.5
12°	2665.3
13°	2529.3
14°	2378.1
15°	2214.5
17.5°	1756.1
20°	1275.5
22.5°	816.5
25°	457.3
27.5°	241.1
30°	136.5
32.5°	86.7
35°	57.4
37.5°	37.9
40°	24.9
42.5°	16.3
45°	10.8
47.5°	7.6
50°	5.4
52.5°	3.8
55°	2.7
57.5°	1.6
60°	1.1
62.5°	0.5
65°	0.5
67.5°	0.5
70°	0.5
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)