

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: P224581

Luminaire Tested: **LD2B15D010 EU2B15FL409027 2LBDL\*GPH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P224581  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14831)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD2B15D010 EU2B15FL409027 2LBDL\*GPH  
Description: 1500 Lumen, 2inch Portfolio LED Downlight  
FLOOD OPTIC  
LENSED SPUN ROUND TRIM WITH GRAPHITE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1011.1 lumens  
Efficiency: N/A  
Efficacy: 70.7 lumens/watt  
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.59  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

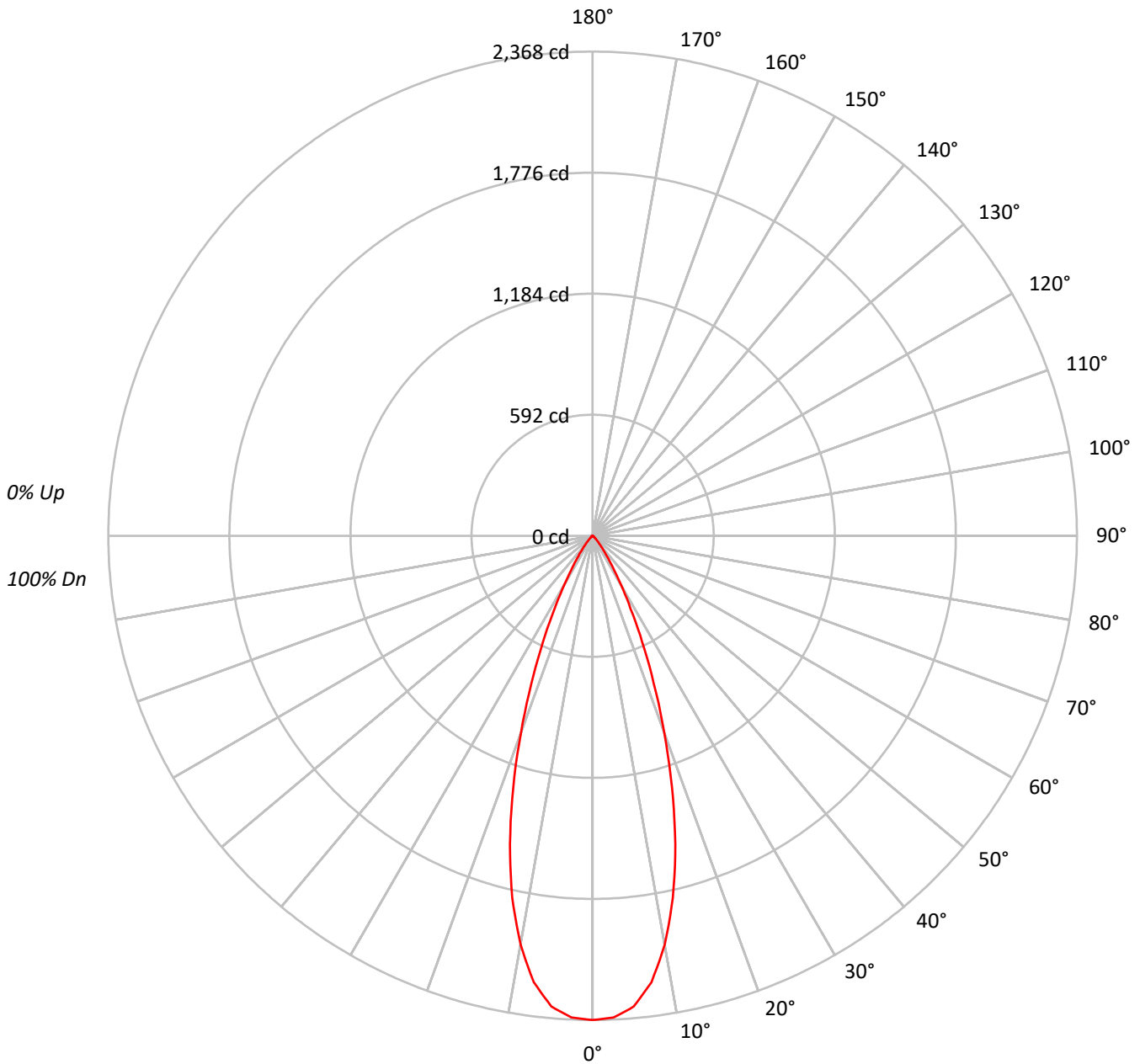
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95			
2	110	106	102	100	108	104	101	98	101	99	96	98	96	94	95	94	92	91			
3	106	100	96	93	104	99	95	92	96	93	91	94	92	89	92	90	88	87			
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83			
5	98	91	86	83	96	90	85	82	88	84	81	87	83	81	85	82	80	79			
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	75			
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72			
8	87	80	75	71	86	79	74	71	78	74	71	77	73	71	76	73	70	69			
9	84	76	72	68	83	76	71	68	75	71	68	74	70	68	73	70	68	66			
10	81	73	69	65	80	73	68	65	72	68	65	72	68	65	71	67	65	64			

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

	0°
0°	917235
5°	898693
10°	798560
15°	626498
20°	421356
25°	245150
30°	122820
35°	57311
40°	26749
45°	11284
50°	5423
55°	3512
60°	2014
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	211.6	20.9
10°-20°	424.1	41.9
20°-30°	268.2	26.5
30°-40°	83.4	8.3
40°-50°	18.5	1.8
50°-60°	4.7	0.5
60°-70°	0.6	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°	903.8	89.4
0°-40°	987.2	97.6
0°-60°	1010.5	99.9
0°-90°	1011.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1011.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2368	
5°	2311	212
15°	1562	424
25°	574	268
35°	121	83
45°	21	19
55°	5	5
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2368.0
2.5°	2357.7
5°	2311.3
7.5°	2201.7
10°	2030.3
12.5°	1813.7
15°	1562.3
17.5°	1290.3
20°	1022.2
22.5°	781.2
25°	573.6
27.5°	402.2
30°	274.6
32.5°	181.8
35°	121.2
37.5°	81.2
40°	52.9
42.5°	32.2
45°	20.6
47.5°	14.2
50°	9.0
52.5°	6.4
55°	5.2
57.5°	3.9
60°	2.6
62.5°	1.3
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)