

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: P#

Luminaire Tested: **LD2B05D010 EU2B0510NFL258035 2LBPINW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14816)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD2B05D010 EU2B0510NFL258035 2LBPINW  
Description: 500 Lumen, 2inch Portfolio LED Downlight  
NARROW FLOOD OPTIC  
ROUND PINHOLE WHITE OCULUS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 641.0 lumens  
Efficiency: N/A  
Efficacy: 87.8 lumens/watt  
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

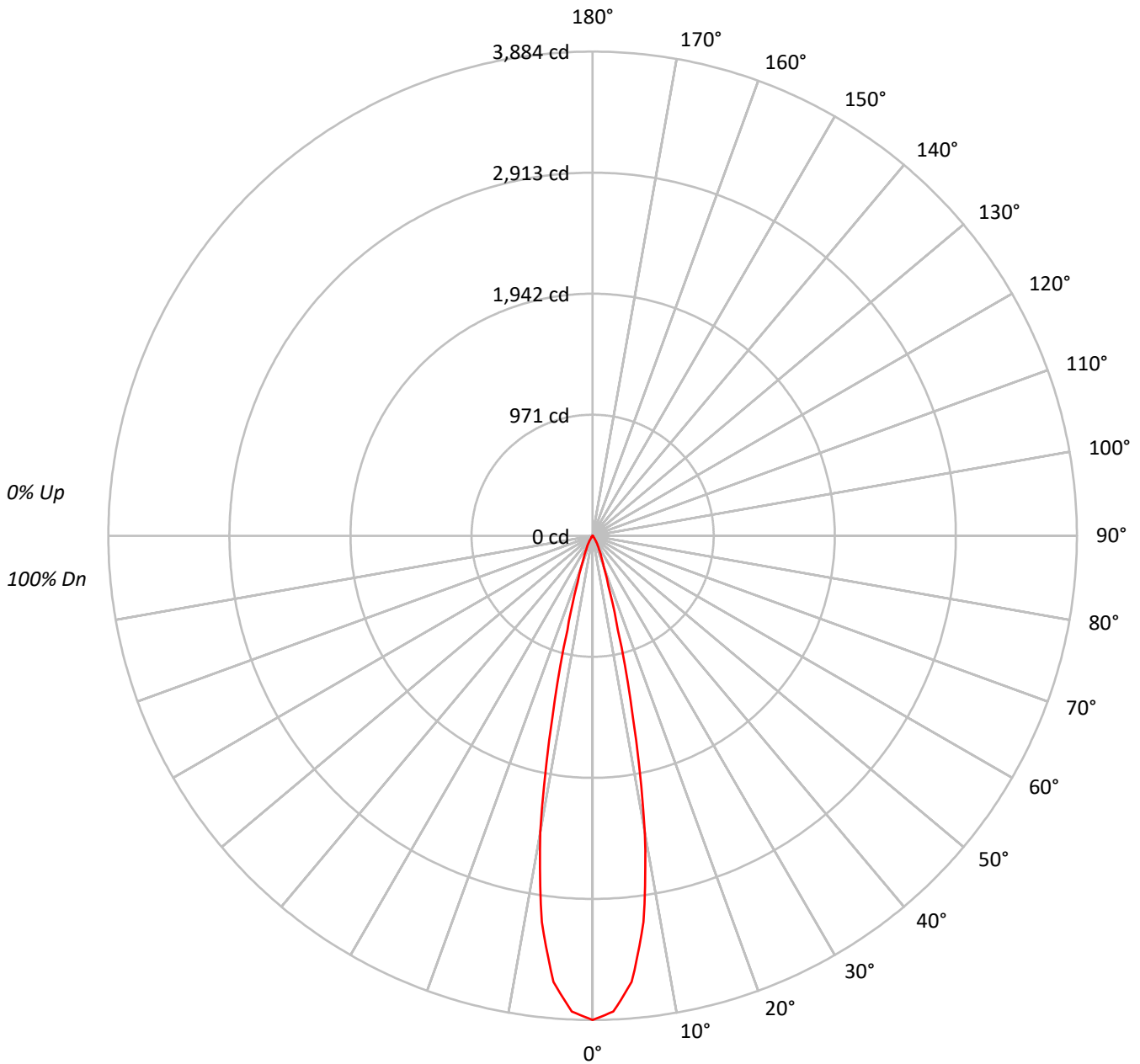
Input Watts (W): 7.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	99	97
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	96	95
2	112	109	106	104	110	107	105	103	104	102	100	101	100	98	99	97	96	95	95	94	93
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	92	90
4	106	101	98	95	105	100	97	95	98	96	94	97	94	93	95	93	92	90	93	91	88
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88	88	87	86
6	101	96	92	89	100	95	91	89	94	91	88	92	90	88	91	89	87	86	86	85	85
7	99	93	89	87	98	93	89	87	92	88	86	91	88	86	90	87	85	85	85	84	83
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	86	84	83	83	82	81
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81	81	80	80
10	93	87	83	81	92	87	83	81	86	83	81	85	83	81	85	82	80	80	80	80	80

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

	0°
0°	1505148
5°	1397709
10°	949977
15°	314305
20°	106758
25°	54084
30°	27920
35°	9177
40°	3389
45°	1863
50°	482
55°	540
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	305.3	47.6
10°-20°	255.0	39.8
20°-30°	61.7	9.6
30°-40°	15.9	2.5
40°-50°	2.6	0.4
50°-60°	0.4	0.1
60°-70°	0.0	0.0
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°	622.0	97.0
0°-40°	637.9	99.5
0°-60°	641.0	100.0
0°-90°	641.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	641.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3884	
5°	3593	305
15°	784	255
25°	126	62
35°	19	16
45°	3	3
55°	1	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3884.4
2.5°	3819.4
5°	3593.4
7.5°	3125.4
10°	2414.4
12.5°	1493.5
15°	783.5
17.5°	423.4
20°	258.9
22.5°	178.8
25°	126.5
27.5°	89.4
30°	62.4
32.5°	43.9
35°	19.4
37.5°	8.4
40°	6.7
42.5°	5.1
45°	3.4
47.5°	1.7
50°	0.8
52.5°	0.8
55°	0.8
57.5°	0.0
60°	0.0
62.5°	0.0
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)