

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: **LD2B10D010 EU2B1010NFL259035 2LBPIN**

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: LD2B10D010 EU2B1010NFL259035 2LBPIN  
Description: 1000 Lumen, 2inch Portfolio LED Downlight  
NARROW FLOOD OPTIC  
ROUND PINHOLE BLACK OCULUS  
Light Source: -  
Ballast/Driver: -

**Summary**

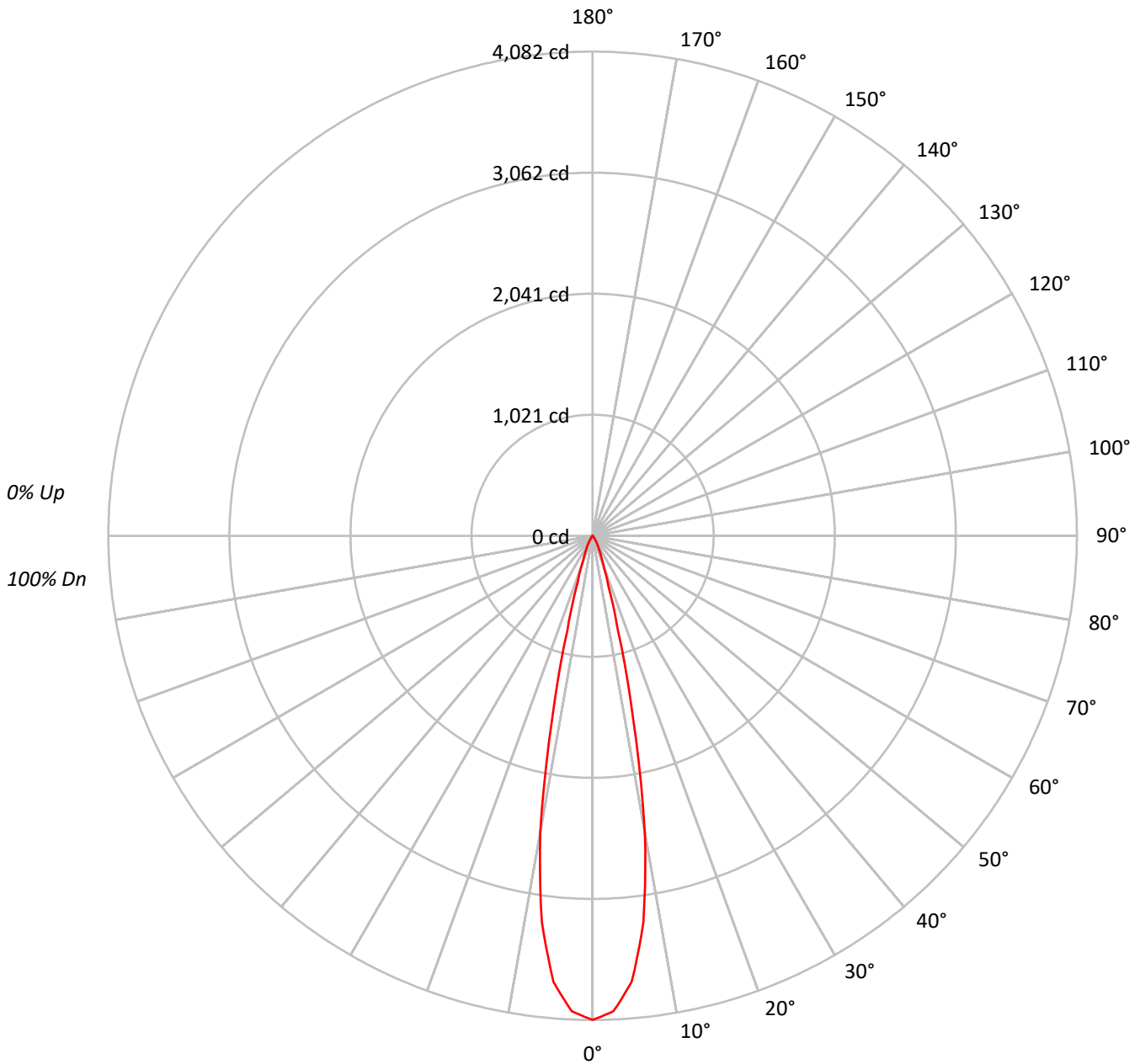
Lumens per Lamp: N/A  
Luminaire Lumens: 673.6 lumens  
Efficiency: N/A  
Efficacy: 65.4 lumens/watt  
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 10.3  
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	100	99	100
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	94	93	93
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	92	91	90
4	106	101	98	95	105	100	97	95	98	96	94	97	94	93	95	93	92	91	89	88	88
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88	87	86	86
6	101	96	92	89	100	95	91	89	94	91	88	92	90	88	91	89	87	86	85	85	85
7	99	93	89	87	98	93	89	87	92	88	86	91	88	86	90	87	85	84	83	83	83
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	85	84	83	82	82	82
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81	81	81	81
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°	1581561
5°	1468695
10°	998255
15°	330230
20°	112160
25°	56820
30°	29351
35°	9650
40°	3591
45°	1918
50°	543
55°	608
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	320.8	47.6
10°-20°	268.0	39.8
20°-30°	64.8	9.6
30°-40°	16.8	2.5
40°-50°	2.8	0.4
50°-60°	0.5	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°	653.6	97.0
0°-40°	670.3	99.5
0°-60°	673.6	100.0
0°-90°	673.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	673.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4082	
5°	3776	321
15°	823	268
25°	133	65
35°	20	17
45°	4	3
55°	1	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4081.6
2.5°	4013.4
5°	3775.9
7.5°	3284.1
10°	2537.1
12.5°	1569.4
15°	823.2
17.5°	444.8
20°	272.0
22.5°	187.9
25°	132.9
27.5°	93.9
30°	65.6
32.5°	46.1
35°	20.4
37.5°	8.9
40°	7.1
42.5°	5.3
45°	3.5
47.5°	1.8
50°	0.9
52.5°	0.9
55°	0.9
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)