

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: **LD2B20D010 EU2B2010NFL258050 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: LD2B20D010 EU2B2010NFL258050 2LBPIN  
Description: 2000 Lumen, 2inch Portfolio LED Downlight  
NARROW FLOOD OPTIC  
ROUND PINHOLE BLACK OCULUS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1526.6 lumens  
Efficiency: N/A  
Efficacy: 73.0 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

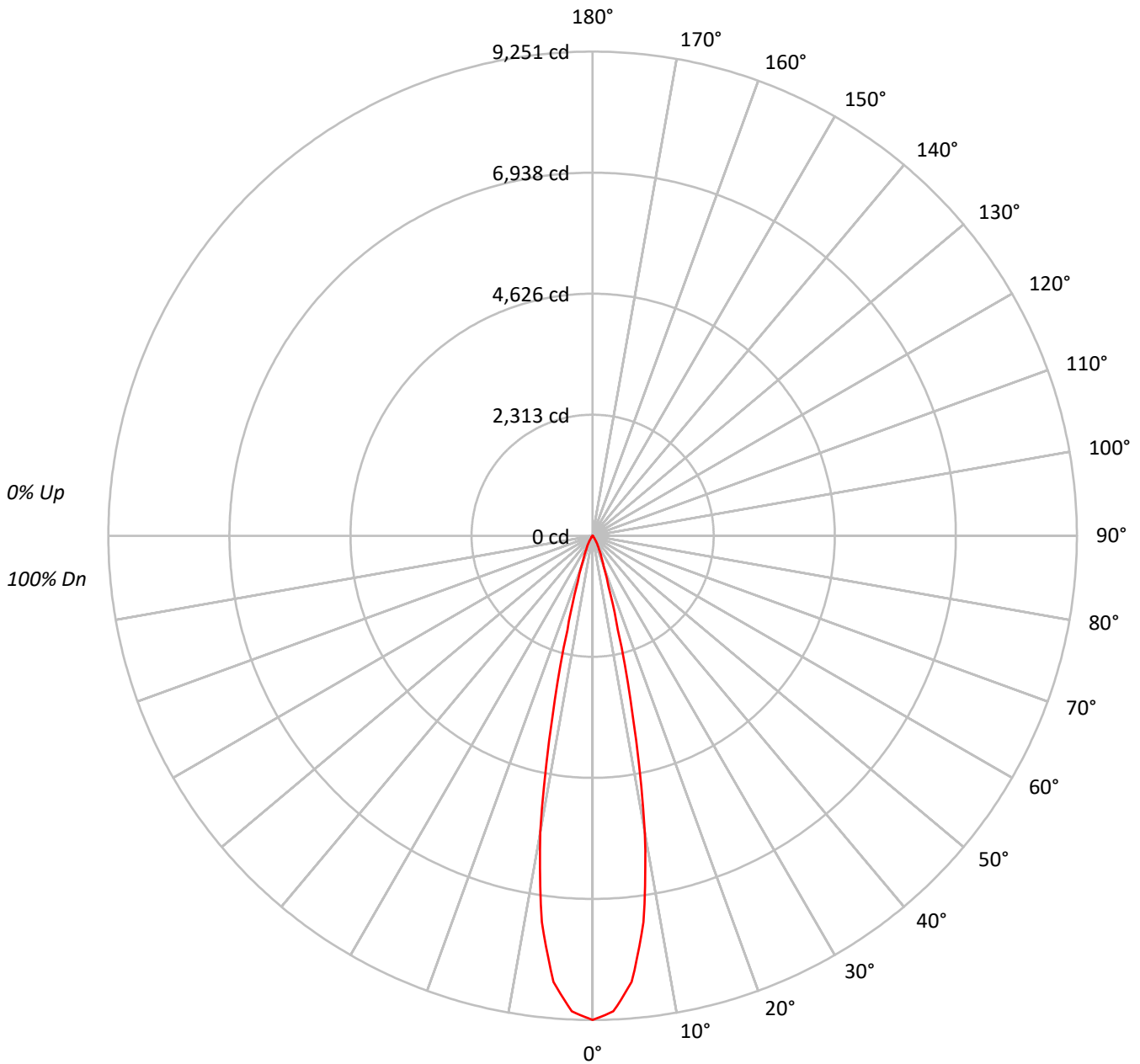
Input Watts (W): 20.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	94	93	93
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	92	90	90
4	106	101	98	95	105	100	97	95	98	96	94	97	94	93	95	93	92	90	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	85	84	83	83
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	85	84	83	82	81	81
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81	80	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°	3584744
5°	3328884
10°	2262570
15°	748514
20°	254257
25°	128819
30°	66488
35°	21854
40°	8144
45°	4384
50°	1206
55°	1351
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	727.0	47.6
10°-20°	607.4	39.8
20°-30°	146.9	9.6
30°-40°	37.9	2.5
40°-50°	6.3	0.4
50°-60°	1.1	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°	1481.3	97.0
0°-40°	1519.3	99.5
0°-60°	1526.6	100.0
0°-90°	1526.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1526.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9251	
5°	8558	727
15°	1866	607
25°	301	147
35°	46	38
45°	8	6
55°	2	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9251.3
2.5°	9096.6
5°	8558.3
7.5°	7443.6
10°	5750.4
12.5°	3557.1
15°	1865.9
17.5°	1008.3
20°	616.6
22.5°	425.8
25°	301.3
27.5°	212.9
30°	148.6
32.5°	104.4
35°	46.2
37.5°	20.1
40°	16.1
42.5°	12.1
45°	8.0
47.5°	4.0
50°	2.0
52.5°	2.0
55°	2.0
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)