

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: P222803

Luminaire Tested: **LD2B10D010 EU2B10NFL259030D2W 2LBDC\*MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P222803  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (155)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD2B10D010 EU2B10NFL259030D2W 2LBDC\*MW  
Description: 1000 Lumen, 2inch Portfolio LED Downlight  
NARROW FLOOD OPTIC  
CAST ROUND TRIM WITH MATTE WHITE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 606.1 lumens  
Efficiency: N/A  
Efficacy: 58.8 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

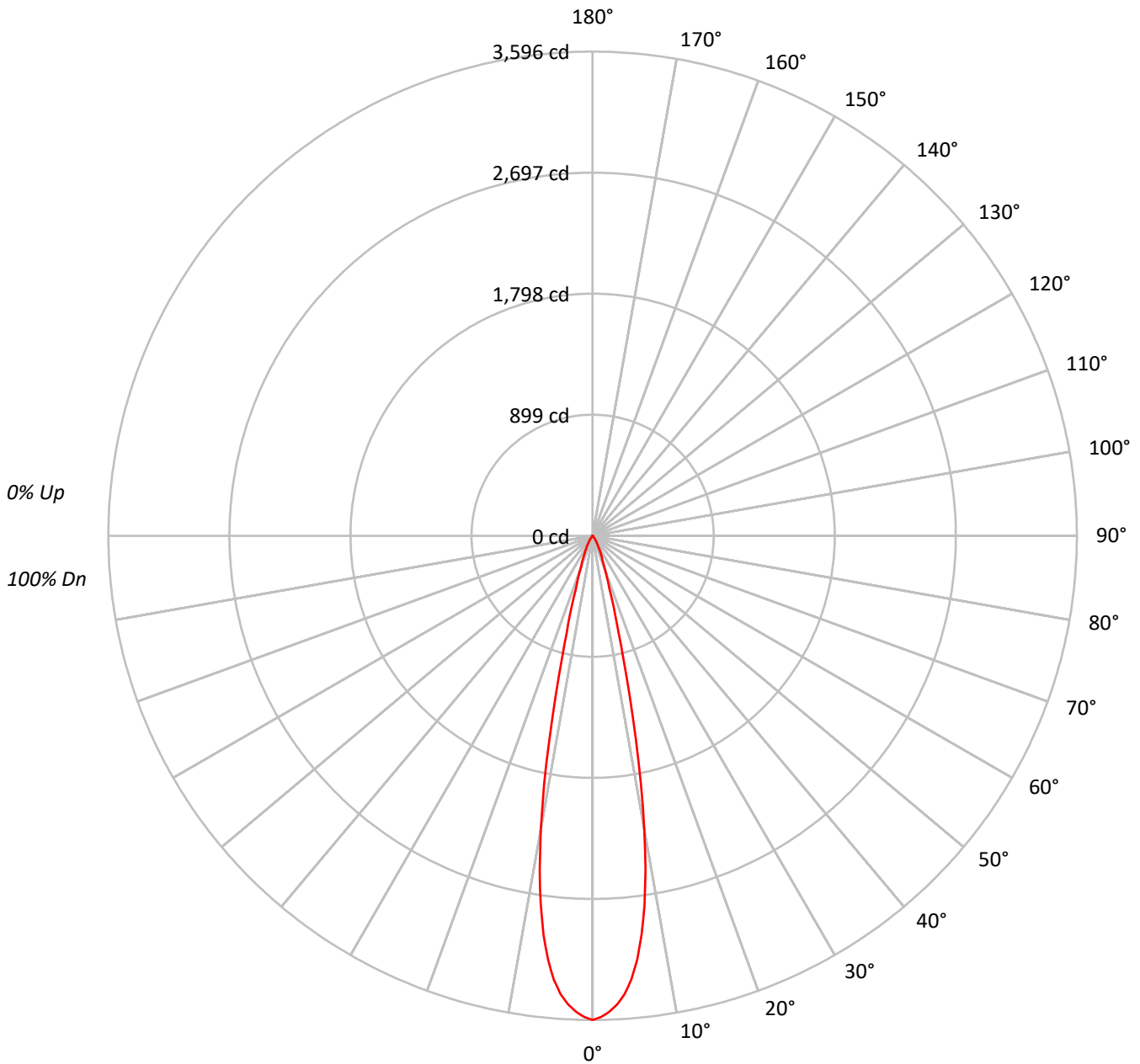
Input Watts (W): 10.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	104	102	104	102	100	101	99	98	98	97	96	95	95	94	92
3	109	105	101	99	107	103	100	98	101	98	96	99	97	95	96	95	93	92	92	91	90
4	106	101	97	95	104	100	97	94	98	95	93	96	94	92	95	93	91	90	89	88	86
5	103	98	94	91	102	97	94	91	95	92	90	94	91	89	93	90	89	88	87	86	84
6	101	95	91	89	99	94	91	88	93	90	88	92	89	87	91	88	87	86	85	84	82
7	98	92	89	86	97	92	88	86	91	88	85	90	87	85	89	86	85	84	83	82	80
8	96	90	86	84	95	90	86	84	89	86	83	88	85	83	87	85	83	82	81	80	79
9	94	88	84	82	93	88	84	82	87	84	82	86	83	81	85	83	81	80	79	78	77
10	92	86	82	80	91	86	82	80	85	82	80	84	82	80	84	81	79	78	77	76	75

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

	0°
0°	1392896
5°	1286118
10°	870538
15°	296146
20°	108781
25°	57698
30°	29654
35°	13808
40°	4551
45°	2246
50°	1085
55°	405
60°	465
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	281.4	46.4
10°-20°	236.6	39.0
20°-30°	64.9	10.7
30°-40°	18.9	3.1
40°-50°	3.5	0.6
50°-60°	0.8	0.1
60°-70°	0.1	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°	582.9	96.2
0°-40°	601.8	99.3
0°-60°	606.1	100.0
0°-90°	606.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	606.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3596	
5°	3308	281
15°	738	237
25°	135	65
35°	29	19
45°	4	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3596.0
1°	3575.2
2°	3538.1
3°	3485.0
4°	3412.2
5°	3307.7
6°	3165.0
7°	2986.5
8°	2768.5
9°	2511.2
10°	2213.3
11°	1886.7
12°	1547.0
13°	1222.7
14°	946.3
15°	738.5
17.5°	416.7
20°	263.9
22.5°	188.1
25°	135.0
27.5°	95.5
30°	66.3
32.5°	46.5
35°	29.2
37.5°	11.9
40°	9.0
42.5°	6.6
45°	4.1
47.5°	2.4
50°	1.8
52.5°	1.2
55°	0.6
57.5°	0.6
60°	0.6
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



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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)