

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: P263988

Luminaire Tested: **LD2B10D010 EU2B1010SP158030 2LBSQC\*MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P263988  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-787-1)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD2B10D010 EU2B1010SP158030 2LBSQC\*MW  
Description: 1000 Lumen, 2inch Portfolio LED Downlight  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 873.0 lumens  
Efficiency: N/A  
Efficacy: 84.8 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.28  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

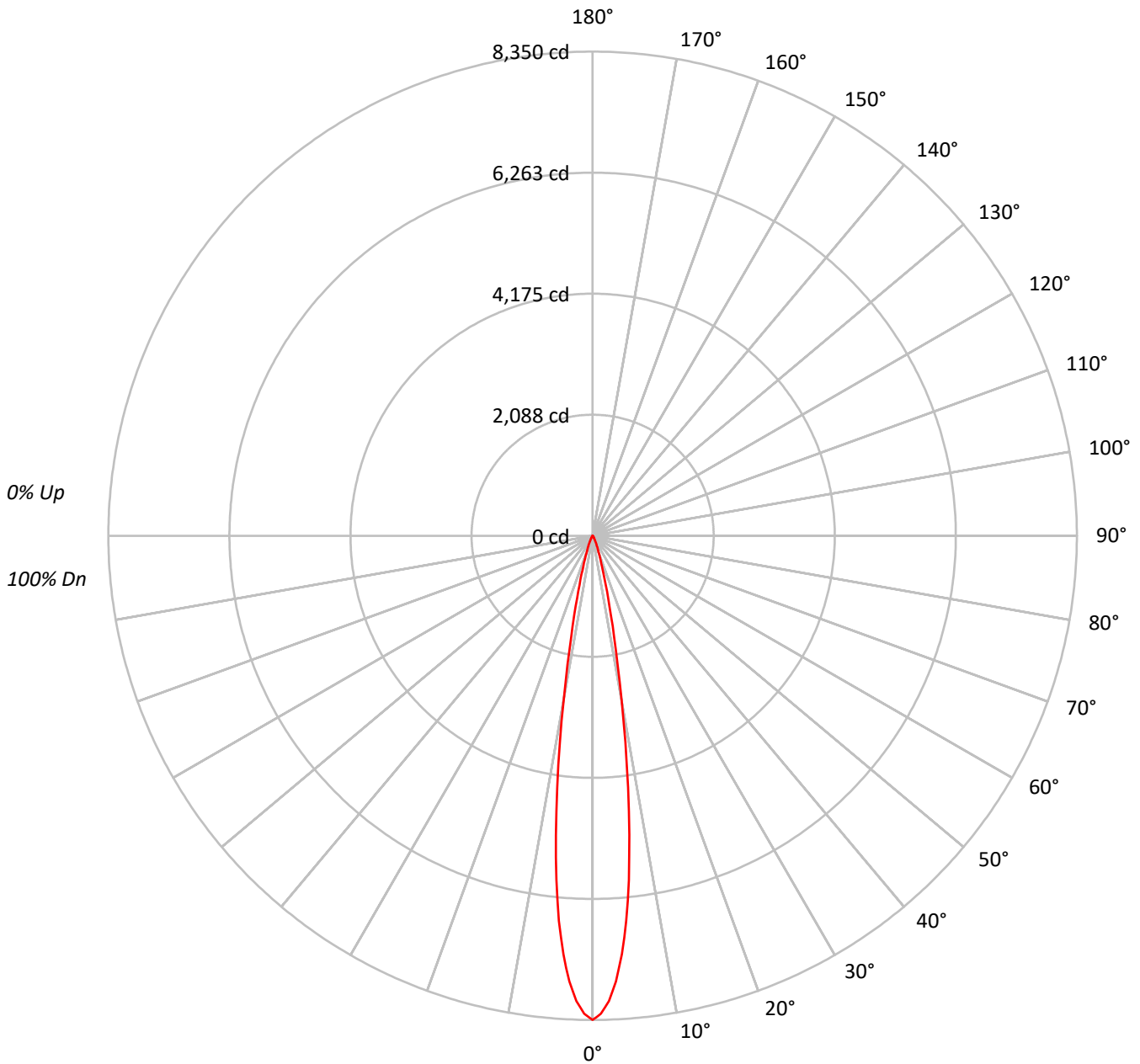
Input Watts (W): 10.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	98	98	98	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96	96	96	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	94	94	94	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	92	92	92	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	90	90	90	90
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	89	89	89	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	87	87	87	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	86	86	86	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	85	89	86	84	88	86	84	83	83	83	83

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

	0°
0°	4119324
5°	3301857
10°	1441148
15°	446614
20°	155670
25°	68753
30°	31105
35°	16201
40°	9210
45°	4396
50°	2763
55°	1548
60°	888
65°	1051
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	506.3	58.0
10°-20°	277.3	31.8
20°-30°	63.2	7.2
30°-40°	18.2	2.1
40°-50°	5.6	0.6
50°-60°	1.7	0.2
60°-70°	0.8	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°	846.8	97.0
0°-40°	864.9	99.1
0°-60°	872.2	99.9
0°-90°	873.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	873.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8350	
5°	6667	506
15°	874	277
25°	126	63
35°	27	18
45°	6	6
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8349.5
1°	8245.6
2°	8029.7
3°	7694.7
4°	7234.2
5°	6667.1
6°	5971.9
7°	5195.2
8°	4384.4
9°	3599.6
10°	2876.7
11°	2264.8
12°	1782.8
13°	1402.9
14°	1108.2
15°	874.4
16°	689.8
17°	549.2
18°	441.7
19°	359.2
20°	296.5
22.5°	191.7
25°	126.3
26°	106.6
27°	90.5
28°	76.1
29°	63.6
30°	54.6
32.5°	37.6
35°	26.9
37.5°	19.7
40°	14.3
42.5°	9.9
45°	6.3
47.5°	4.5
50°	3.6
52.5°	2.7
55°	1.8
57.5°	0.9
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.9



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**CANDELA DISTRIBUTION (continued):**

	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°







70°		0.0
72.5°		0.0



(END OF REPORT)