

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: P264966

Luminaire Tested: **LD2B10D010 EU2B1010SP159030 2LBDL\*H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P264966  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1711-432-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD2B10D010 EU2B1010SP159030 2LBDL\*H  
Description: 1000 Lumen, 2inch Portfolio LED Downlight  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 742.0 lumens  
Efficiency: N/A  
Efficacy: 72.0 lumens/watt  
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.32  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

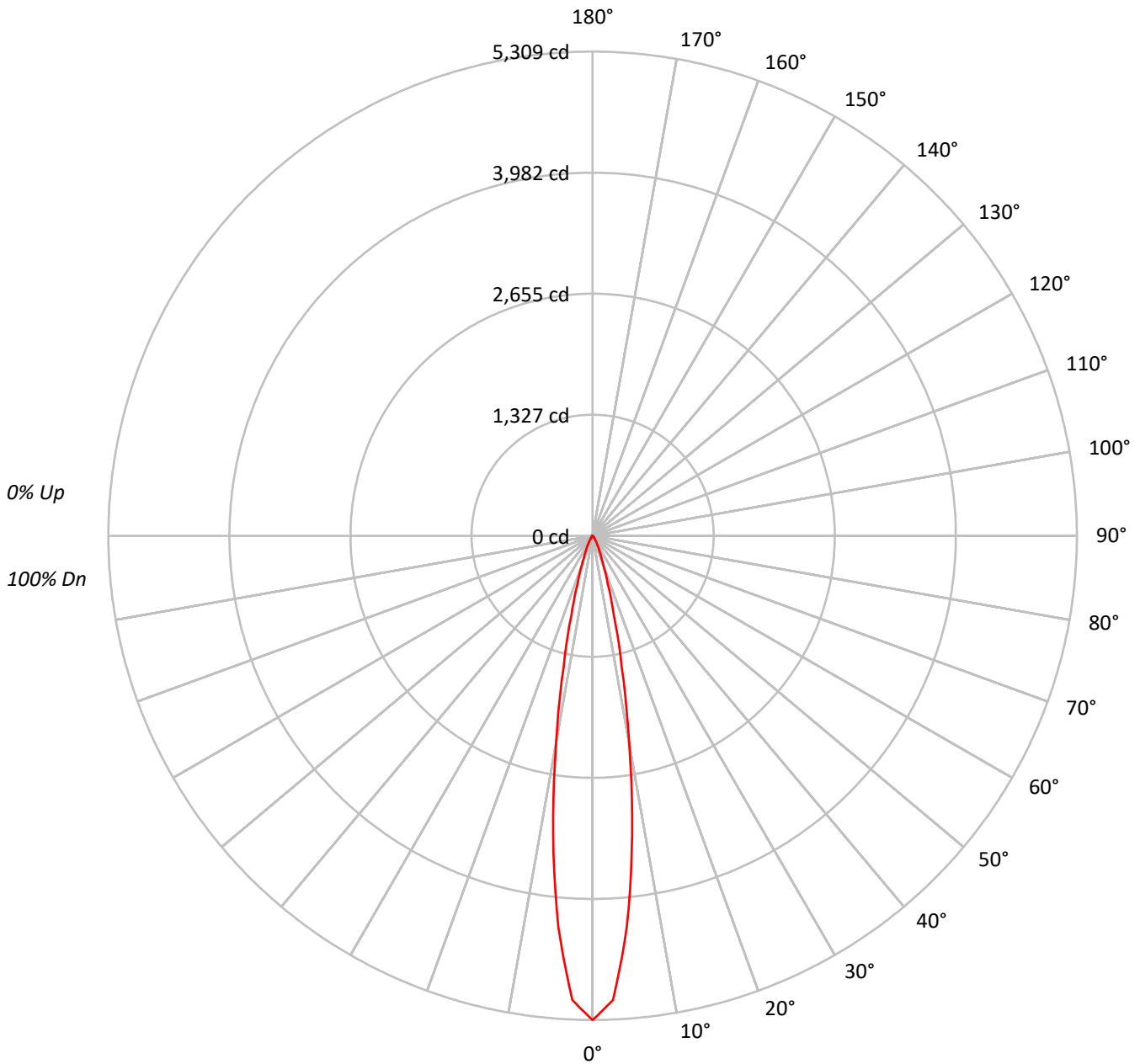
Input Watts (W): 10.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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	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	100	100	100													
1	115	113	111	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97	97	97	97	97	97	97													
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94	94	94	94	94	94	94													
3	109	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92	92	92	92	92													
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89	89	89	89	89	89	89													
5	103	97	93	91	101	96	93	90	95	92	89	93	91	89	92	90	88	87	87	87	87	87	87	87													
6	100	94	90	88	99	94	90	87	92	89	87	91	88	86	90	88	86	85	85	85	85	85	85	85													
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83	83	83	83	83	83	83													
8	95	89	86	83	94	89	85	83	88	85	82	87	84	82	86	84	82	81	81	81	81	81	81	81													
9	93	87	83	81	92	87	83	81	86	83	81	85	82	80	85	82	80	79	79	79	79	79	79	79													
10	91	85	82	79	91	85	81	79	84	81	79	84	81	79	83	80	78	78	78	78	78	78	78	78													

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

	0°
0°	2619406
5°	2131936
10°	1151636
15°	459178
20°	184126
25°	88187
30°	45689
35°	24152
40°	13396
45°	8303
50°	5680
55°	3871
60°	2960
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	346.2	46.7
10°-20°	273.1	36.8
20°-30°	80.6	10.9
30°-40°	26.8	3.6
40°-50°	10.1	1.4
50°-60°	4.5	0.6
60°-70°	0.7	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°	699.9	94.3
0°-40°	726.7	97.9
0°-60°	741.3	99.9
0°-90°	742.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	742.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5309	
5°	4305	346
15°	899	273
25°	162	81
35°	40	27
45°	12	10
55°	4	4
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5309.3
2.5°	5095.3
5°	4304.8
7.5°	3316.6
10°	2298.8
12.5°	1471.1
15°	899.0
17.5°	548.3
20°	350.7
22.5°	234.8
25°	162.0
27.5°	114.4
30°	80.2
32.5°	56.5
35°	40.1
37.5°	28.2
40°	20.8
42.5°	16.3
45°	11.9
47.5°	10.4
50°	7.4
52.5°	5.9
55°	4.5
57.5°	4.5
60°	3.0
62.5°	1.5
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)