

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: P264240

Luminaire Tested: **LD2B10D010 EU2B1010SP159027 2LBD\*GPH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P264240  
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 EU2B1010SP159027 2LBD\*GPH  
Description: 1000 Lumen, 2inch Portfolio LED Downlight  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 711.0 lumens  
Efficiency: N/A  
Efficacy: 69.0 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

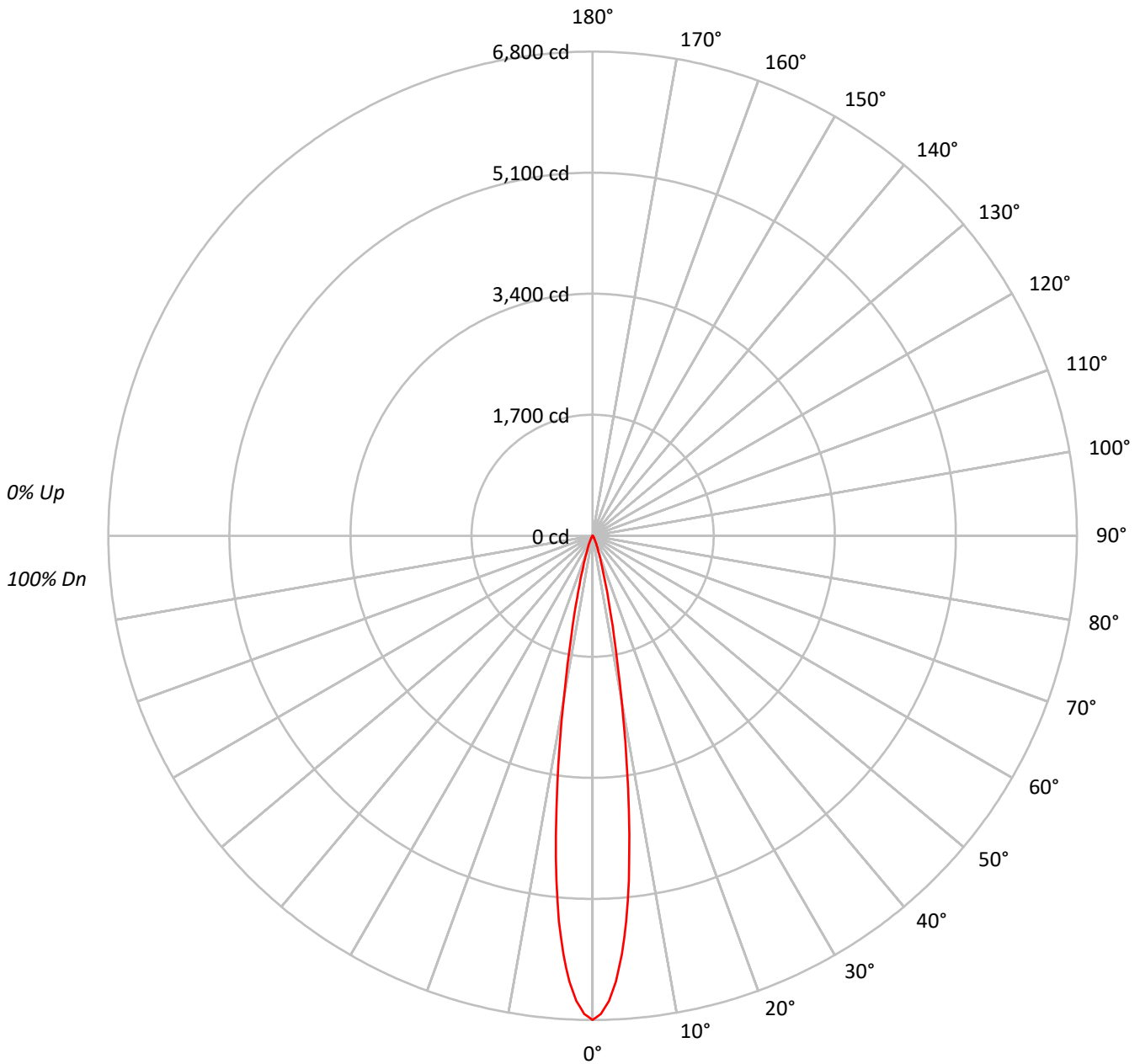
Input Watts (W): 10.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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																																				
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	98	98	97	96	96	95	93	92	92	91	90	89																									
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96	96	95	94	94	93	91	90	89	88	87																										
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	94	94	93	92	92	91	90	89	88	87	86	85																										
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	94	92	92	91	90	90	89	88	87	86	85	84																											
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	90	89	88	87	86	85	84	83																												
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	89	88	87	86	85	84	83	82	81																												
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	87	86	85	84	83	82	81	80	79																												
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	86	85	84	83	82	81	80	79	78																												
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	84	83	82	81	80	79	78	77																												
10	95	90	87	85	95	90	87	85	89	86	85	89	86	84	88	86	84	84	83	82	81	80	79	78	77	76																												

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

	0°
0°	3354909
5°	2689138
10°	1173679
15°	363716
20°	126793
25°	56015
30°	25351
35°	13190
40°	7535
45°	3558
50°	2226
55°	1290
60°	691
65°	817
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	412.3	58.0
10°-20°	225.8	31.8
20°-30°	51.5	7.2
30°-40°	14.8	2.1
40°-50°	4.6	0.6
50°-60°	1.4	0.2
60°-70°	0.6	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°	689.6	97.0
0°-40°	704.4	99.1
0°-60°	710.4	99.9
0°-90°	711.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	711.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6800	
5°	5430	412
15°	712	226
25°	103	51
35°	22	15
45°	5	5
55°	2	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6800.1
1°	6715.5
2°	6539.7
3°	6266.8
4°	5891.8
5°	5429.9
6°	4863.7
7°	4231.1
8°	3570.8
9°	2931.7
10°	2342.8
11°	1844.5
12°	1452.0
13°	1142.6
14°	902.6
15°	712.1
16°	561.8
17°	447.3
18°	359.7
19°	292.6
20°	241.5
22.5°	156.1
25°	102.9
26°	86.8
27°	73.7
28°	62.0
29°	51.8
30°	44.5
32.5°	30.6
35°	21.9
37.5°	16.1
40°	11.7
42.5°	8.0
45°	5.1
47.5°	3.6
50°	2.9
52.5°	2.2
55°	1.5
57.5°	0.7
60°	0.7
62.5°	0.7
65°	0.7
67.5°	0.7



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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)