

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: P265181

Luminaire Tested: **LD2B10D010 EU2B1010SP159727 2LBLC\*MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P265181  
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 EU2B1010SP159727 2LBLC\*MW  
Description: 1000 Lumen, 2inch Portfolio LED Downlight  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 703.0 lumens  
Efficiency: N/A  
Efficacy: 68.2 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

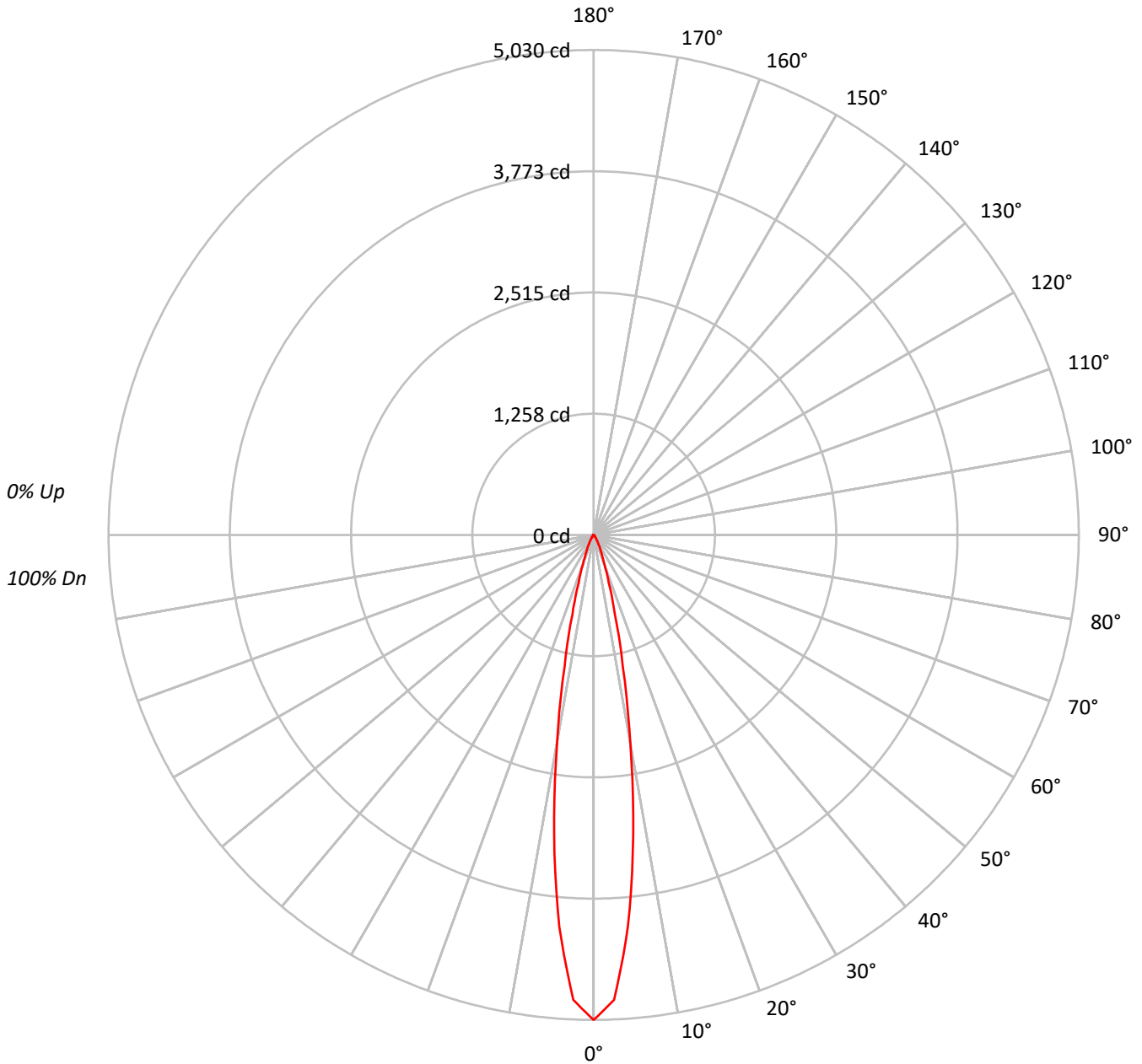
Input Watts (W): 10.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									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	0																			
RCR																																														
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100									100																			
1	115	113	111	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97									97																			
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94									94																			
3	109	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92									92																			
4	106	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89									89																			
5	103	97	93	91	101	96	93	90	95	92	89	93	91	89	92	90	88	87									87																			
6	100	94	90	88	99	94	90	87	92	89	87	91	88	86	90	88	86	85									85																			
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83									83																			
8	95	89	86	83	94	89	85	83	88	85	82	87	84	82	86	84	82	81									81																			
9	93	87	83	81	92	87	83	81	86	83	81	85	82	80	85	82	80	79									79																			
10	91	85	82	79	91	85	81	79	84	81	79	84	81	79	83	80	78	78									78																			

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

	0°
0°	2481758
5°	2019862
10°	1091068
15°	435019
20°	174466
25°	83560
30°	43296
35°	22887
40°	12688
45°	7884
50°	5373
55°	3613
60°	2763
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	328.0	46.7
10°-20°	258.8	36.8
20°-30°	76.3	10.9
30°-40°	25.4	3.6
40°-50°	9.6	1.4
50°-60°	4.2	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°	663.1	94.3
0°-40°	688.5	97.9
0°-60°	702.3	99.9
0°-90°	703.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	703.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5030	
5°	4078	328
15°	852	259
25°	154	76
35°	38	25
45°	11	10
55°	4	4
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5030.3
2.5°	4827.5
5°	4078.5
7.5°	3142.3
10°	2177.9
12.5°	1393.8
15°	851.7
17.5°	519.5
20°	332.3
22.5°	222.4
25°	153.5
27.5°	108.4
30°	76.0
32.5°	53.5
35°	38.0
37.5°	26.7
40°	19.7
42.5°	15.5
45°	11.3
47.5°	9.9
50°	7.0
52.5°	5.6
55°	4.2
57.5°	4.2
60°	2.8
62.5°	1.4
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)