

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: P263930

Luminaire Tested: **LD2B10D010 EU2B1010SP158027 2LBD\*WMH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P263930  
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 EU2B1010SP158027 2LBD\*WMH  
Description: 1000 Lumen, 2inch Portfolio LED Downlight  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 902.0 lumens  
Efficiency: N/A  
Efficacy: 87.6 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

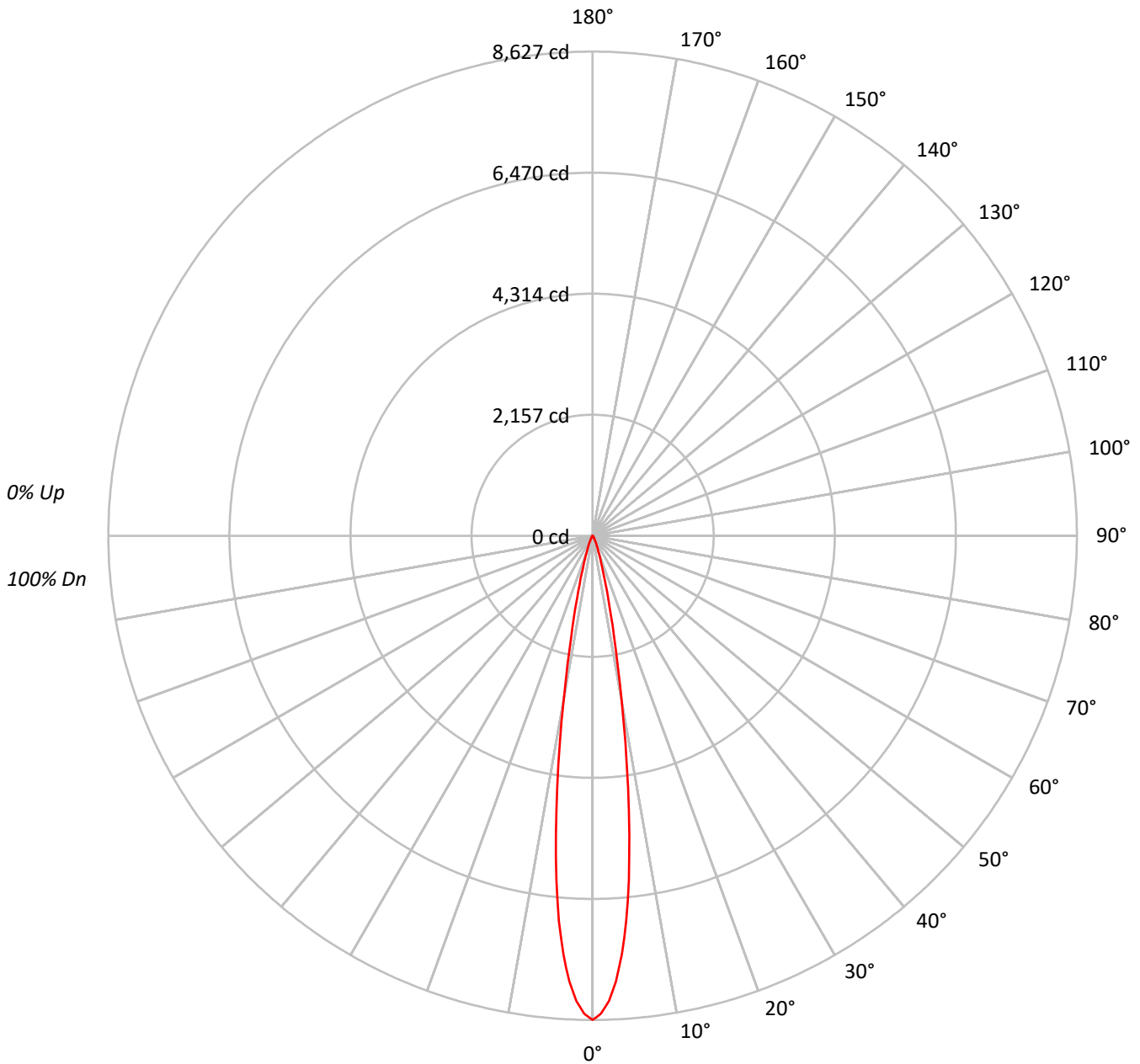
Input Watts (W): 10.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

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

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

	0°
0°	4256183
5°	3411554
10°	1488991
15°	461426
20°	160868
25°	71040
30°	32187
35°	16743
40°	9532
45°	4535
50°	2840
55°	1634
60°	888
65°	1051
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	523.1	58.0
10°-20°	286.5	31.8
20°-30°	65.3	7.2
30°-40°	18.8	2.1
40°-50°	5.8	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°	874.9	97.0
0°-40°	893.7	99.1
0°-60°	901.2	99.9
0°-90°	902.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	902.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8627	
5°	6889	523
15°	903	286
25°	130	65
35°	28	19
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°	8626.9
1°	8519.5
2°	8296.5
3°	7950.3
4°	7474.5
5°	6888.6
6°	6170.3
7°	5367.8
8°	4530.1
9°	3719.2
10°	2972.2
11°	2340.0
12°	1842.0
13°	1449.5
14°	1145.0
15°	903.4
16°	712.7
17°	567.4
18°	456.3
19°	371.2
20°	306.4
22.5°	198.1
25°	130.5
26°	110.2
27°	93.5
28°	78.7
29°	65.7
30°	56.5
32.5°	38.9
35°	27.8
37.5°	20.4
40°	14.8
42.5°	10.2
45°	6.5
47.5°	4.6
50°	3.7
52.5°	2.8
55°	1.9
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)