

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: P264034

Luminaire Tested: **LD2B10D010 EU2B1010SP158035 2LBD\*WMH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P264034  
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 EU2B1010SP158035 2LBD\*WMH  
Description: 1000 Lumen, 2inch Portfolio LED Downlight  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 930.1 lumens  
Efficiency: N/A  
Efficacy: 90.3 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

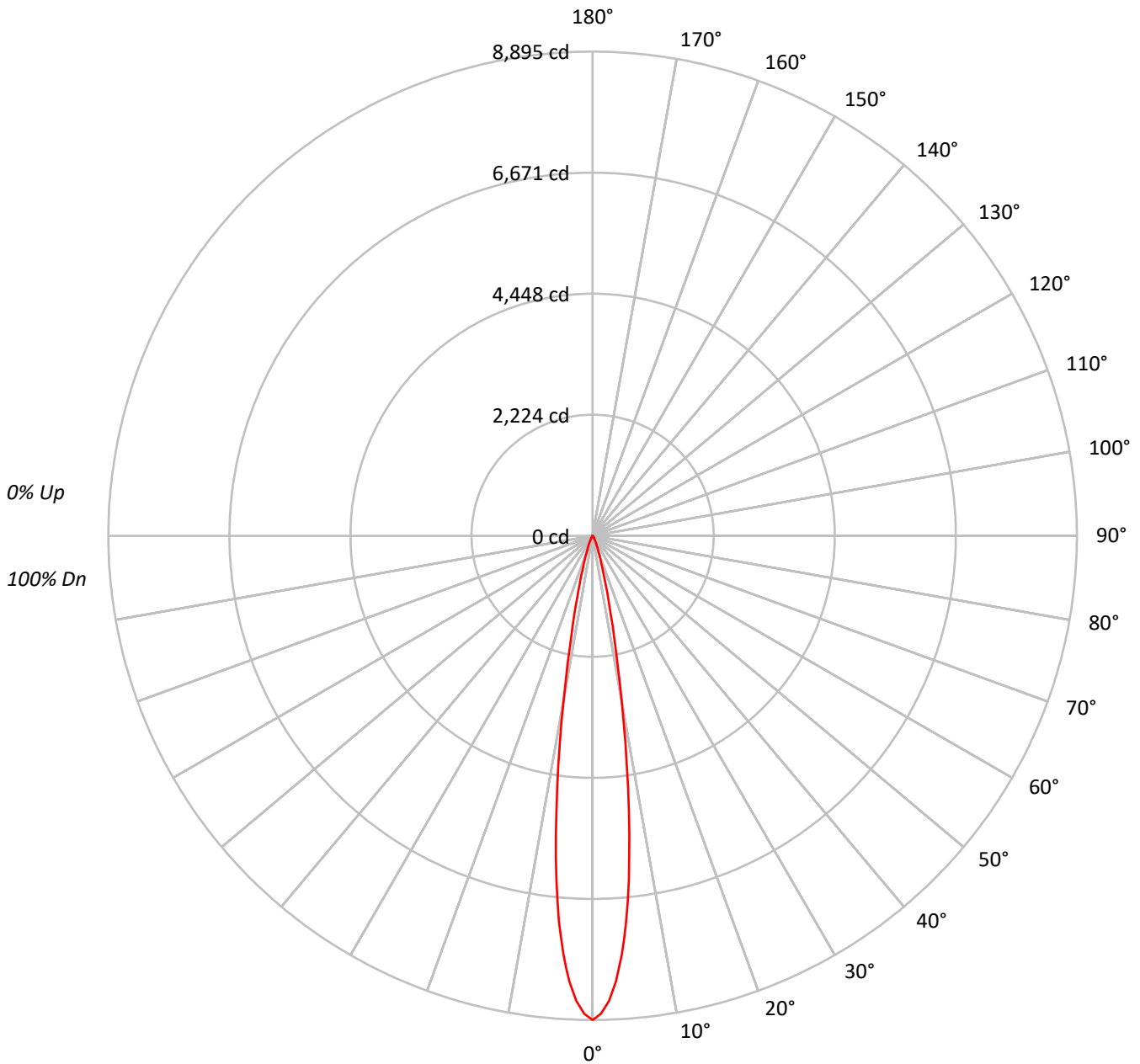
Input Watts (W): 10.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°
0°	4388305
5°	3517438
10°	1535231
15°	475778
20°	165855
25°	73271
30°	33156
35°	17225
40°	9854
45°	4675
50°	2917
55°	1634
60°	987
65°	1167
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	539.3	58.0
10°-20°	295.4	31.8
20°-30°	67.3	7.2
30°-40°	19.4	2.1
40°-50°	6.0	0.6
50°-60°	1.8	0.2
60°-70°	0.9	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°	902.1	97.0
0°-40°	921.4	99.1
0°-60°	929.2	99.9
0°-90°	930.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	930.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8895	
5°	7102	539
15°	932	295
25°	135	67
35°	29	19
45°	7	6
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8894.7
1°	8784.0
2°	8554.0
3°	8197.1
4°	7706.5
5°	7102.4
6°	6361.8
7°	5534.4
8°	4670.7
9°	3834.6
10°	3064.5
11°	2412.6
12°	1899.2
13°	1494.5
14°	1180.6
15°	931.5
16°	734.9
17°	585.0
18°	470.5
19°	382.7
20°	315.9
22.5°	204.2
25°	134.6
26°	113.6
27°	96.4
28°	81.1
29°	67.8
30°	58.2
32.5°	40.1
35°	28.6
37.5°	21.0
40°	15.3
42.5°	10.5
45°	6.7
47.5°	4.8
50°	3.8
52.5°	2.9
55°	1.9
57.5°	1.0
60°	1.0
62.5°	1.0
65°	1.0
67.5°	1.0



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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)