

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: P224064

Luminaire Tested: **LD2B10D010 EU2B10SP158040 2LBDSQLC\*MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P224064  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( 150)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD2B10D010 EU2B10SP158040 2LBDSQLC\*MB  
Description: 1000 Lumen, 2inch Portfolio LED Downlight  
SPOT OPTIC  
LENSED SQUARE CAST TRIM WITH MATTE BLACK FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 573.7 lumens  
Efficiency: N/A  
Efficacy: 55.7 lumens/watt  
Spacing Criteria (0/90/45): 0.24 / 0.24 / 0.23  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

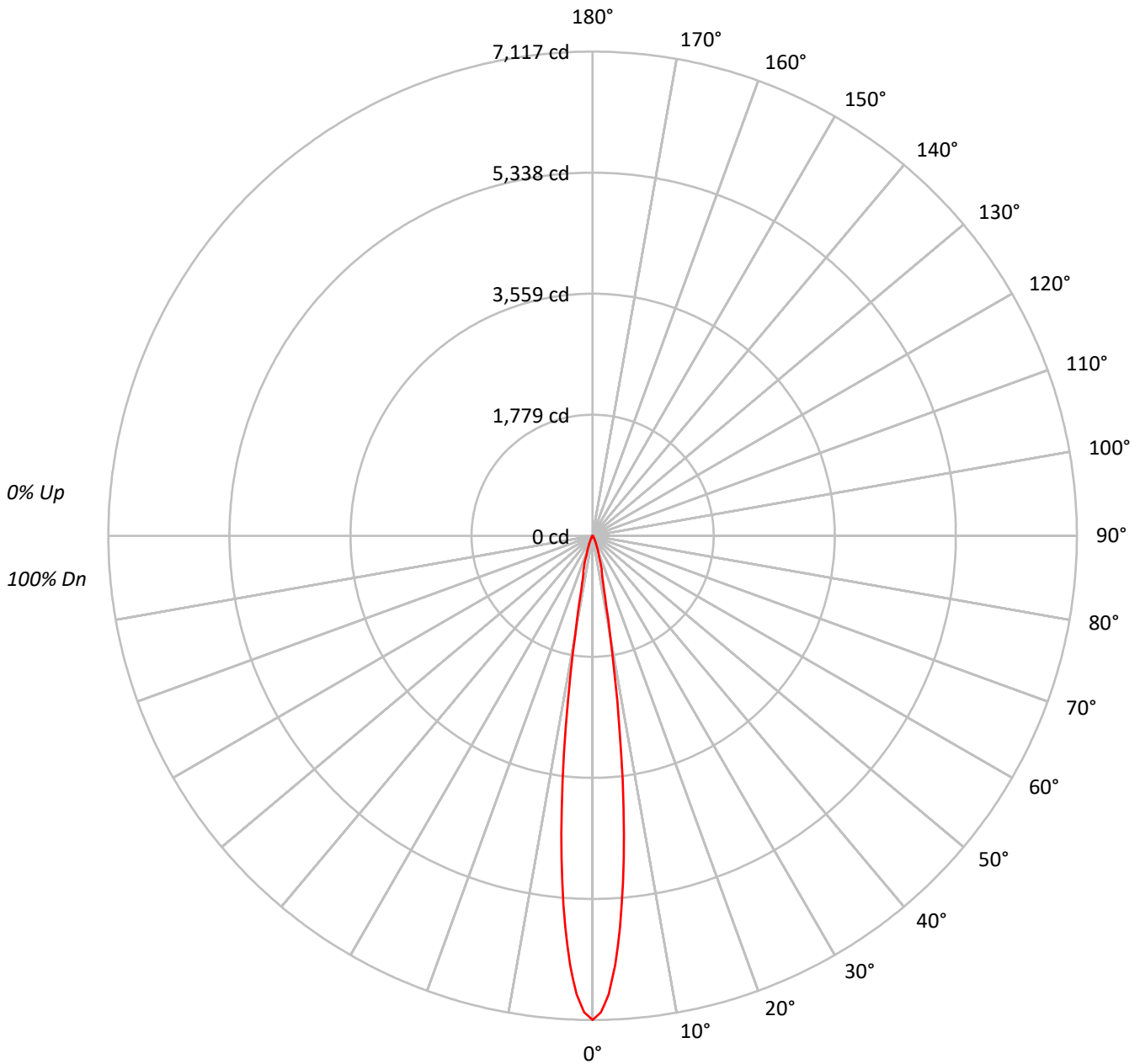
Input Watts (W): 10.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°
0°	2756741
5°	1992848
10°	580188
15°	203553
20°	87140
25°	39234
30°	15162
35°	7566
40°	5056
45°	3287
50°	1808
55°	1351
60°	775
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	362.7	63.2
10°-20°	147.5	25.7
20°-30°	45.3	7.9
30°-40°	11.2	1.9
40°-50°	4.7	0.8
50°-60°	2.0	0.3
60°-70°	0.4	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°	555.5	96.8
0°-40°	566.7	98.8
0°-60°	573.4	99.9
0°-90°	573.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	573.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7117	
5°	5125	363
15°	508	148
25°	92	45
35°	16	11
45°	6	5
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7117.0
1°	7008.3
2°	6743.0
3°	6320.1
4°	5767.6
5°	5125.3
6°	4401.3
7°	3615.4
8°	2818.5
9°	2073.5
10°	1475.1
11°	1057.2
12°	794.9
13°	647.3
14°	566.5
15°	507.6
17.5°	313.2
20°	211.4
22.5°	141.6
25°	91.8
27.5°	55.9
30°	33.9
32.5°	21.9
35°	16.0
37.5°	13.0
40°	10.0
42.5°	8.0
45°	6.0
47.5°	4.0
50°	3.0
52.5°	3.0
55°	2.0
57.5°	2.0
60°	1.0
62.5°	1.0
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



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**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0



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— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)