

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: P222480

Luminaire Tested: **LSSQWM2B10NFL259050D010 2LBDLC\*MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P222480  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (155)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSSQWM2B10NFL259050D010 2LBDLC\*MB  
Description: 1000 Lumen, 2inch Portfolio LED Cylinder  
NARROW FLOOD OPTIC  
LENSED CAST ROUND TRIM WITH MATTE BLACK FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 828.5 lumens  
Efficiency: N/A  
Efficacy: 80.4 lumens/watt  
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

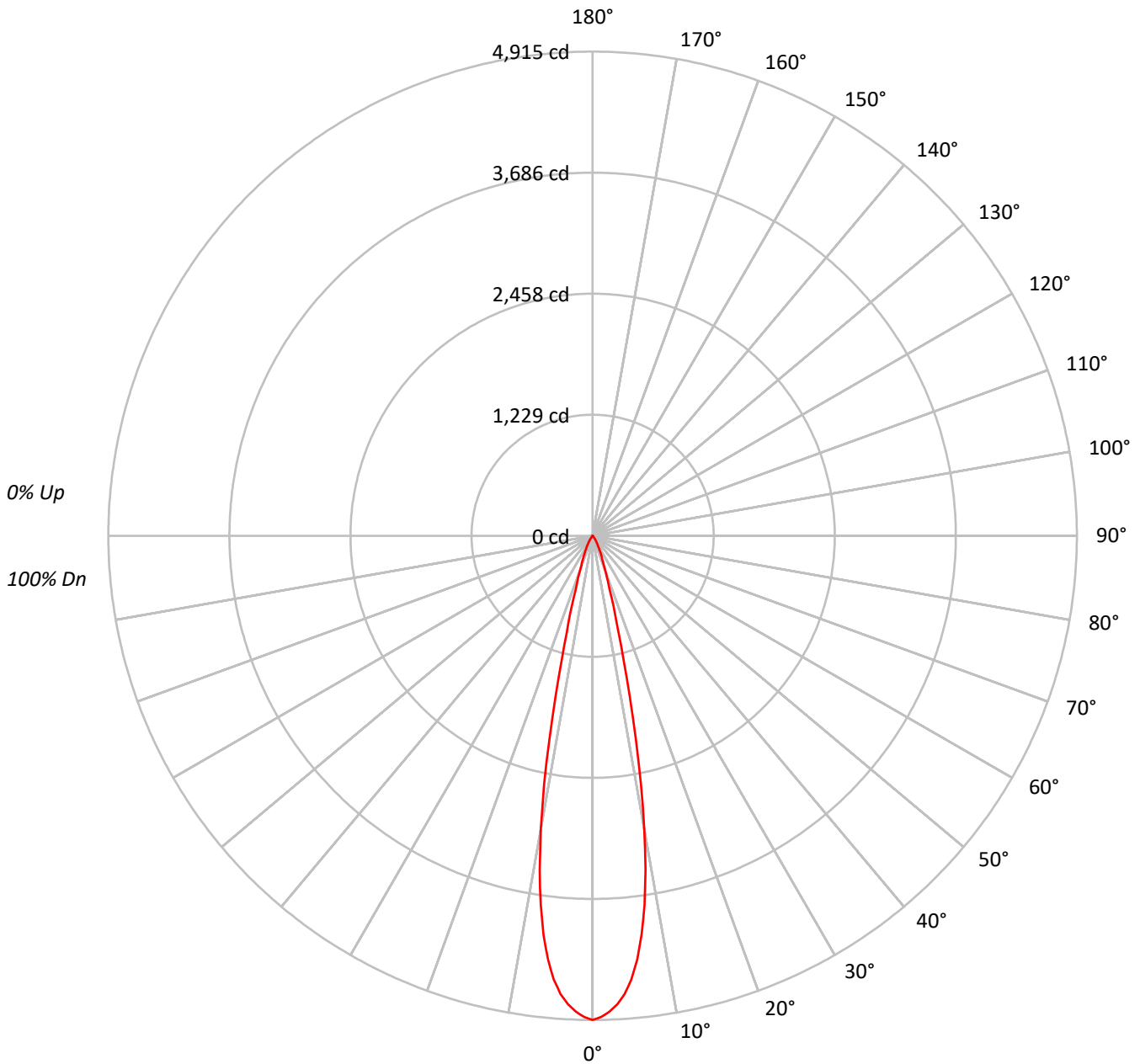
Input Watts (W): 10.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°
0°	1903883
5°	1757880
10°	1189876
15°	404820
20°	148682
25°	78811
30°	40523
35°	18914
40°	6169
45°	3122
50°	1446
55°	540
60°	620
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	384.6	46.4
10°-20°	323.3	39.0
20°-30°	88.7	10.7
30°-40°	25.9	3.1
40°-50°	4.8	0.6
50°-60°	1.1	0.1
60°-70°	0.1	0.0
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°	796.7	96.2
0°-40°	822.5	99.3
0°-60°	828.4	100.0
0°-90°	828.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	828.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4915	
5°	4521	385
15°	1010	323
25°	184	89
35°	40	26
45°	6	5
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4915.2
1°	4886.6
2°	4836.0
3°	4763.4
4°	4663.8
5°	4521.0
6°	4326.0
7°	4082.0
8°	3784.1
9°	3432.4
10°	3025.2
11°	2578.8
12°	2114.4
13°	1671.3
14°	1293.5
15°	1009.5
17.5°	569.6
20°	360.7
22.5°	257.1
25°	184.4
27.5°	130.6
30°	90.6
32.5°	63.7
35°	40.0
37.5°	16.3
40°	12.2
42.5°	9.0
45°	5.7
47.5°	3.3
50°	2.4
52.5°	1.6
55°	0.8
57.5°	0.8
60°	0.8
62.5°	0.0
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)