

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: P222753

Luminaire Tested: **LSSQ2B15NFL259030D010 2LBDLC\*MMS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P222753  
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: LSSQ2B15NFL259030D010 2LBDLC\*MMS  
Description: 1500 Lumen, 2inch Portfolio LED Cylinder  
NARROW FLOOD OPTIC  
LENSED CAST ROUND TRIM WITH MATTE METALLIC SILVER  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1034.4 lumens  
Efficiency: N/A  
Efficacy: 72.3 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

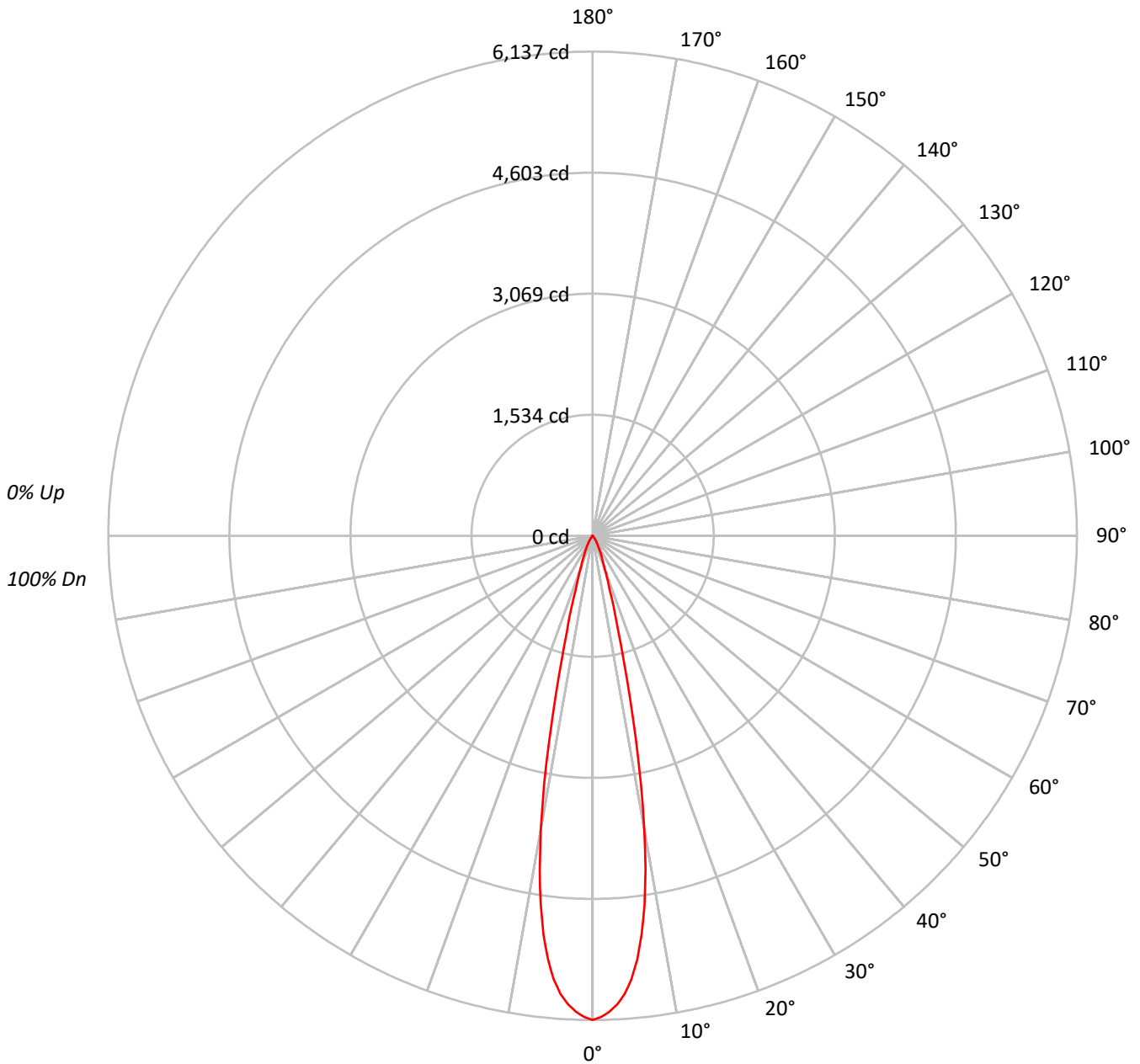
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

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

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

	0°
0°	2377026
5°	2194765
10°	1485575
15°	505433
20°	185616
25°	98428
30°	50586
35°	23596
40°	7736
45°	3889
50°	1868
55°	675
60°	775
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	480.1	46.4
10°-20°	403.7	39.0
20°-30°	110.8	10.7
30°-40°	32.3	3.1
40°-50°	6.0	0.6
50°-60°	1.3	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°	994.6	96.2
0°-40°	1027.0	99.3
0°-60°	1034.3	100.0
0°-90°	1034.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1034.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6137	
5°	5645	480
15°	1260	404
25°	230	111
35°	50	32
45°	7	6
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6136.7
1°	6101.0
2°	6037.9
3°	5947.2
4°	5822.9
5°	5644.6
6°	5401.1
7°	5096.4
8°	4724.5
9°	4285.4
10°	3777.0
11°	3219.7
12°	2639.9
13°	2086.7
14°	1614.9
15°	1260.4
17.5°	711.2
20°	450.3
22.5°	320.9
25°	230.3
27.5°	163.0
30°	113.1
32.5°	79.5
35°	49.9
37.5°	20.4
40°	15.3
42.5°	11.2
45°	7.1
47.5°	4.1
50°	3.1
52.5°	2.0
55°	1.0
57.5°	1.0
60°	1.0
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)