

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: P225465

Luminaire Tested: **LSSQWM2B15FL409050D010 2LBDLC\*MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P225465  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14833)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSSQWM2B15FL409050D010 2LBDLC\*MB  
Description: 1500 Lumen, 2inch Portfolio LED Cylinder  
FLOOD OPTIC  
LENSED CAST ROUND TRIM WITH MATTE BLACK FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1108.0 lumens  
Efficiency: N/A  
Efficacy: 77.5 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.6  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

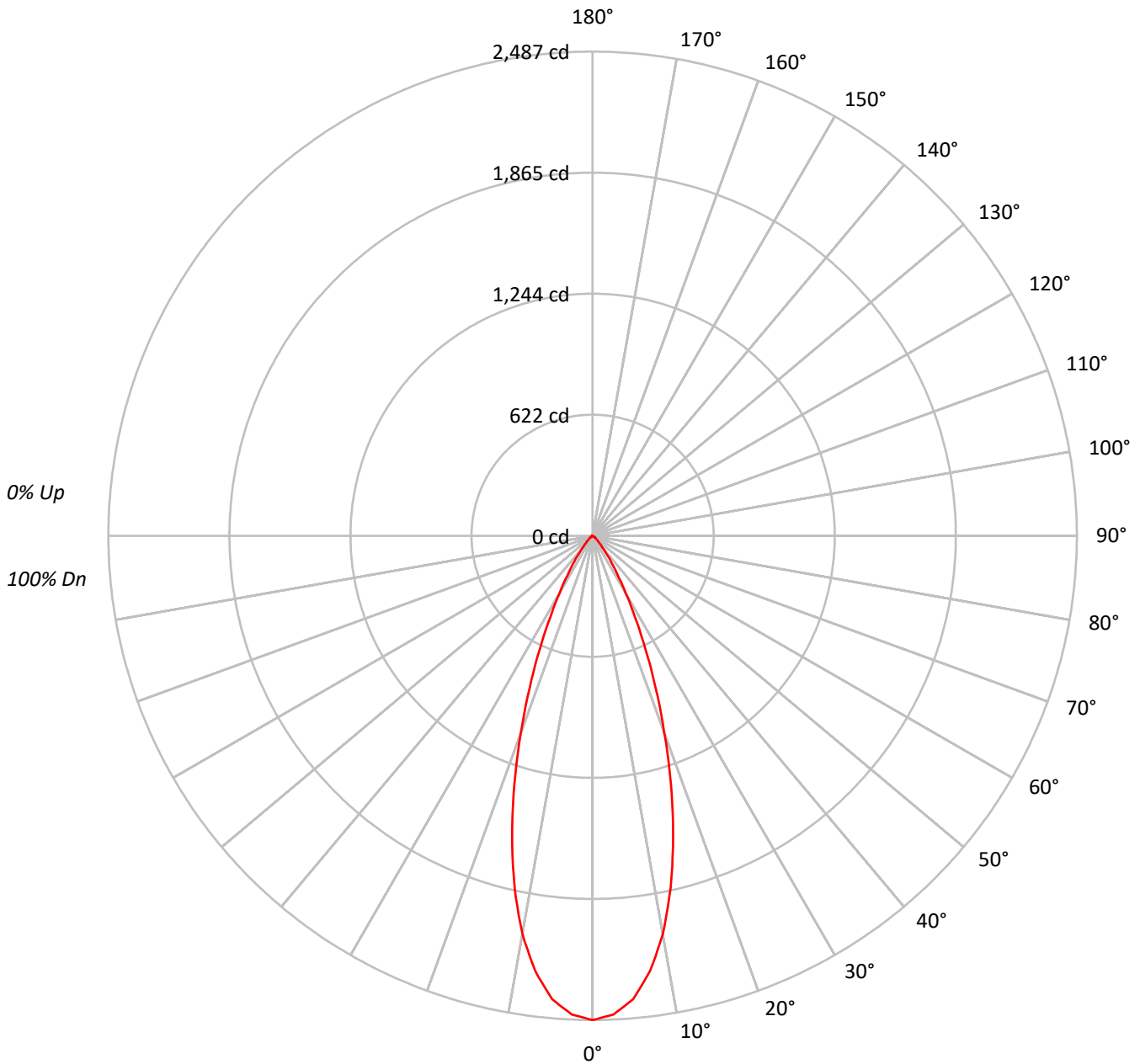
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95				95
2	110	105	102	99	107	104	101	98	101	98	96	98	96	94	95	93	92	90				90
3	105	100	95	92	103	98	94	91	96	92	90	93	91	88	91	89	87	86				86
4	101	94	90	86	99	93	89	86	91	87	85	89	86	84	88	85	83	81				81
5	97	90	85	81	95	89	84	81	87	83	80	85	82	79	84	81	79	77				77
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	77	75	74				74
7	89	81	76	73	88	81	76	73	80	75	72	79	75	72	78	74	72	70				70
8	86	78	73	69	85	77	73	69	76	72	69	75	72	69	75	71	68	67				67
9	83	75	70	66	82	74	69	66	73	69	66	72	69	66	72	68	65	64				64
10	80	72	67	63	79	71	66	63	70	66	63	70	66	63	69	65	63	62				62

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

	0°
0°	963484
5°	928943
10°	817007
15°	640373
20°	443533
25°	273273
30°	152071
35°	81096
40°	40199
45°	20487
50°	11269
55°	7361
60°	3641
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.9	19.7
10°-20°	436.2	39.4
20°-30°	298.0	26.9
30°-40°	113.6	10.3
40°-50°	31.5	2.8
50°-60°	9.8	0.9
60°-70°	1.0	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°	952.1	85.9
0°-40°	1065.6	96.2
0°-60°	1107.0	99.9
0°-90°	1108.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1108.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2487	
5°	2389	218
15°	1597	436
25°	639	298
35°	172	114
45°	37	32
55°	11	10
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2487.4
2.5°	2460.9
5°	2389.1
7.5°	2255.0
10°	2077.2
12.5°	1851.1
15°	1596.9
17.5°	1336.5
20°	1076.0
22.5°	845.2
25°	639.4
27.5°	469.4
30°	340.0
32.5°	241.7
35°	171.5
37.5°	120.1
40°	79.5
42.5°	53.0
45°	37.4
47.5°	26.5
50°	18.7
52.5°	14.0
55°	10.9
57.5°	7.8
60°	4.7
62.5°	1.6
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
85°	0.0
87.5°	0.0
90°	0.0



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Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report







— 0°-180°







(END OF REPORT)