

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: P#

Luminaire Tested: **LSSQWM2B15FL409727D010 2LBD\*LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29152)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSSQWM2B15FL409727D010 2LBD\*LI  
Description: 1500 Lumen, 2inch Portfolio LED Cylinder  
FLOOD OPTIC  
SPUN ROUND TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

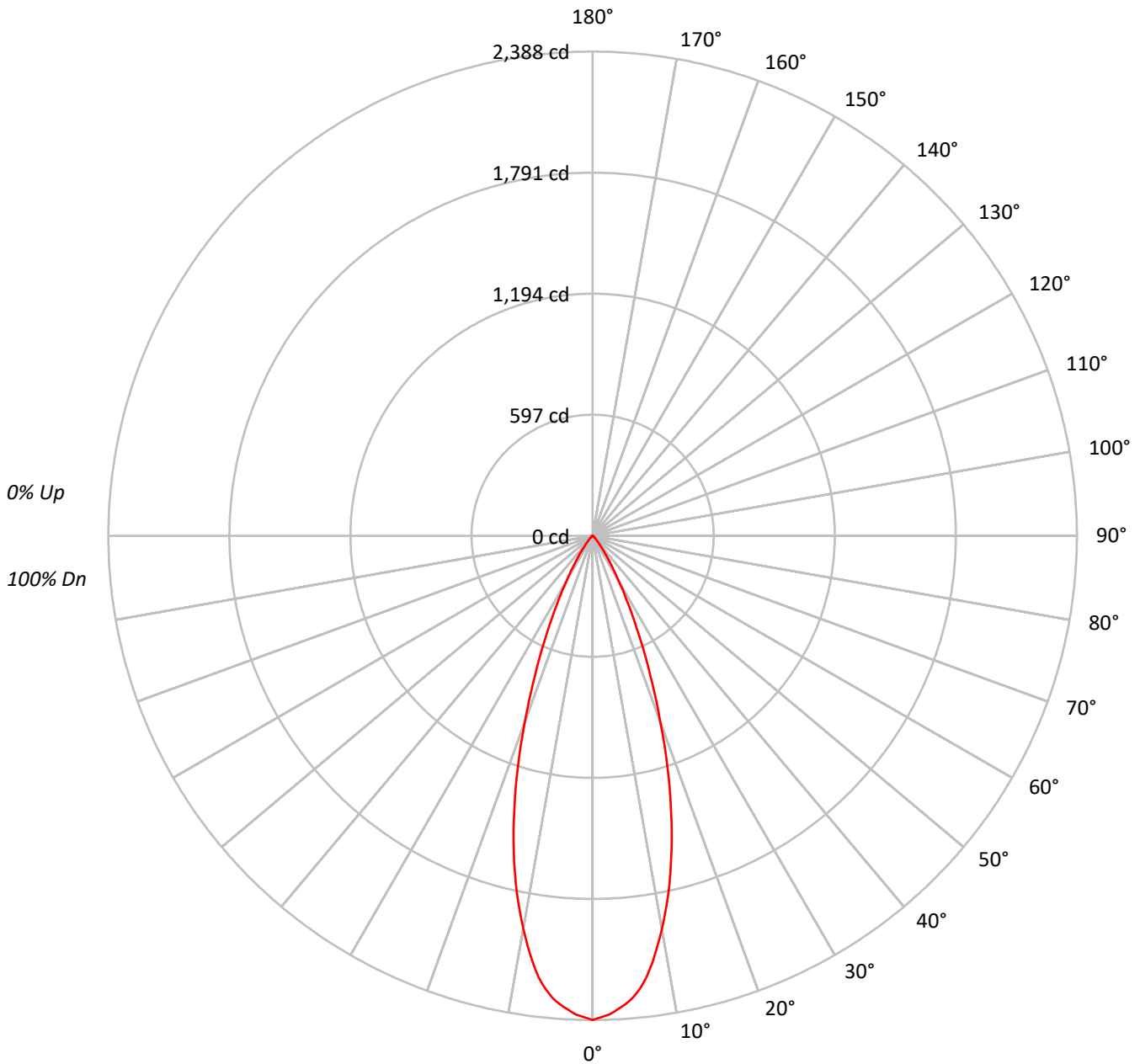
Lumens per Lamp: N/A  
Luminaire Lumens: 964.4 lumens  
Efficiency: N/A  
Efficacy: 67.4 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

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

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

	0°
0°	925098
5°	889011
10°	773899
15°	604322
20°	401900
25°	230149
30°	114411
35°	52582
40°	21085
45°	9641
50°	4459
55°	2499
60°	1472
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	208.1	21.6
10°-20°	408.6	42.4
20°-30°	252.9	26.2
30°-40°	75.7	7.8
40°-50°	15.2	1.6
50°-60°	3.7	0.4
60°-70°	0.2	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°	869.6	90.2
0°-40°	945.3	98.0
0°-60°	964.2	100.0
0°-90°	964.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	964.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2388	
5°	2286	208
15°	1507	409
25°	538	253
35°	111	76
45°	18	15
55°	4	4
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2388.3
1°	2375.4
2°	2363.3
3°	2339.2
4°	2317.0
5°	2286.4
6°	2244.7
7°	2191.8
8°	2124.2
9°	2047.3
10°	1967.6
11°	1885.1
12°	1797.0
13°	1705.3
14°	1607.0
15°	1507.0
17.5°	1242.8
20°	975.0
22.5°	737.7
25°	538.5
27.5°	378.1
30°	255.8
32.5°	168.7
35°	111.2
37.5°	69.5
40°	41.7
42.5°	26.9
45°	17.6
47.5°	11.1
50°	7.4
52.5°	5.6
55°	3.7
57.5°	2.8
60°	1.9
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)