

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: P225428

Luminaire Tested: **LSSQ2B15FL409727D010 2LBDLC\*MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P225428  
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: LSSQ2B15FL409727D010 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: 876.4 lumens  
Efficiency: N/A  
Efficacy: 61.3 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

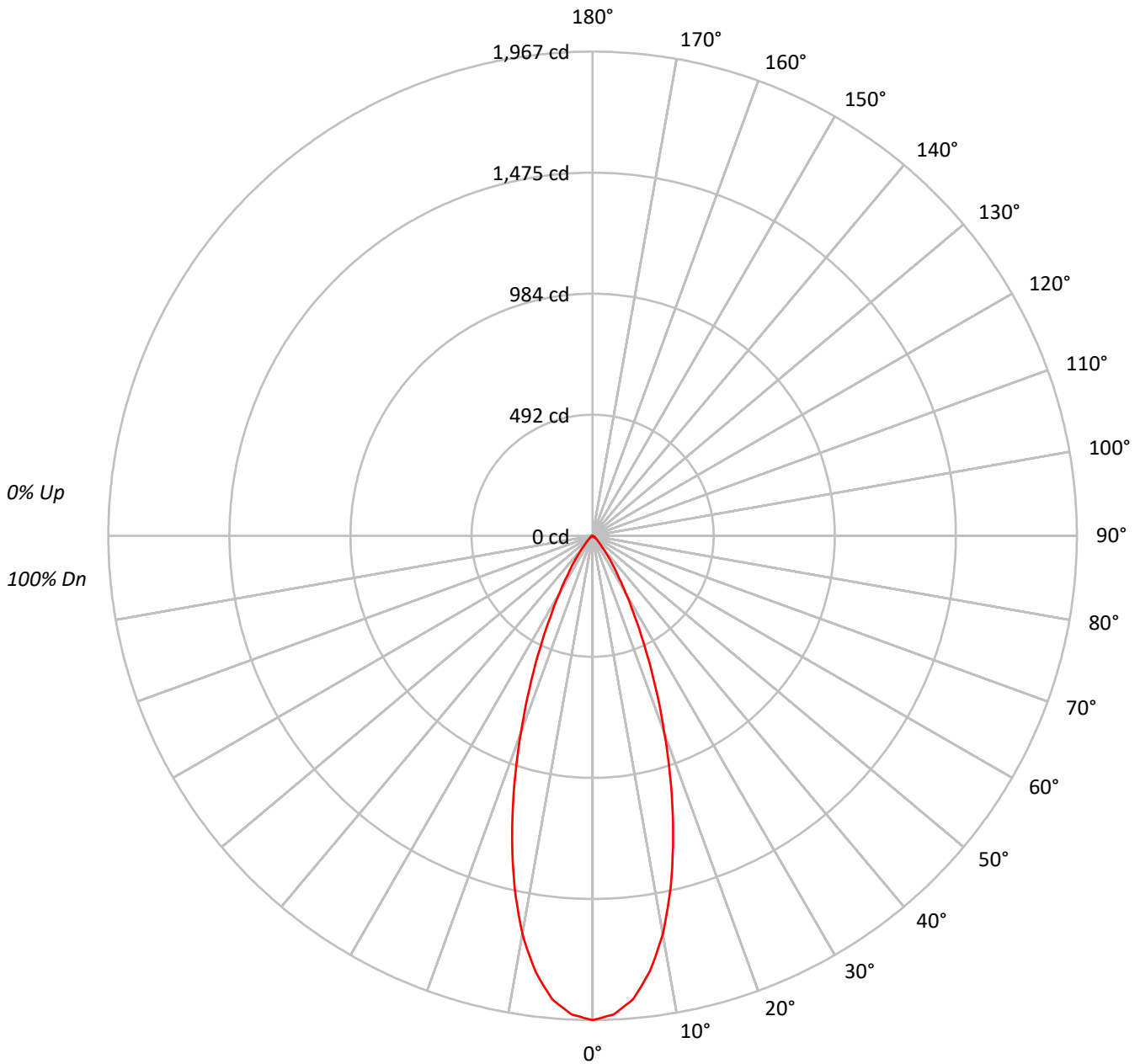
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P225428

CATALOG NUMBER: LSSQ2B15FL409727D010 2LBDLC\*MB

### Luminous Intensity Polar Plot





TEST NUMBER: P225428

CATALOG NUMBER: LSSQ2B15FL409727D010 2LBDLC\*MB

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

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

	0°
0°	762064
5°	734764
10°	646227
15°	506516
20°	350828
25°	216131
30°	120271
35°	64167
40°	31805
45°	16215
50°	8919
55°	5808
60°	2866
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P225428

CATALOG NUMBER: LSSQ2B15FL409727D010 2LBDLC\*MB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.4	19.7
10°-20°	345.0	39.4
20°-30°	235.7	26.9
30°-40°	89.9	10.3
40°-50°	24.9	2.8
50°-60°	7.8	0.9
60°-70°	0.7	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°	753.1	85.9
0°-40°	842.9	96.2
0°-60°	875.7	99.9
0°-90°	876.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	876.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1967	
5°	1890	172
15°	1263	345
25°	506	236
35°	136	90
45°	30	25
55°	9	8
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P225428

CATALOG NUMBER: LSSQ2B15FL409727D010 2LBDLC\*MB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1967.4
2.5°	1946.5
5°	1889.7
7.5°	1783.7
10°	1643.0
12.5°	1464.2
15°	1263.1
17.5°	1057.1
20°	851.1
22.5°	668.6
25°	505.7
27.5°	371.3
30°	268.9
32.5°	191.2
35°	135.7
37.5°	95.0
40°	62.9
42.5°	41.9
45°	29.6
47.5°	21.0
50°	14.8
52.5°	11.1
55°	8.6
57.5°	6.2
60°	3.7
62.5°	1.2
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



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)