

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: P224981

Luminaire Tested: **LSRWM2B15FL409040D010 2LBDL\*LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P224981  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (152)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSRWM2B15FL409040D010 2LBDL\*LI  
Description: 1500 Lumen, 2inch Portfolio LED Cylinder  
FLOOD OPTIC  
LENSED SPUN ROUND TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1113.4 lumens  
Efficiency: N/A  
Efficacy: 77.9 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

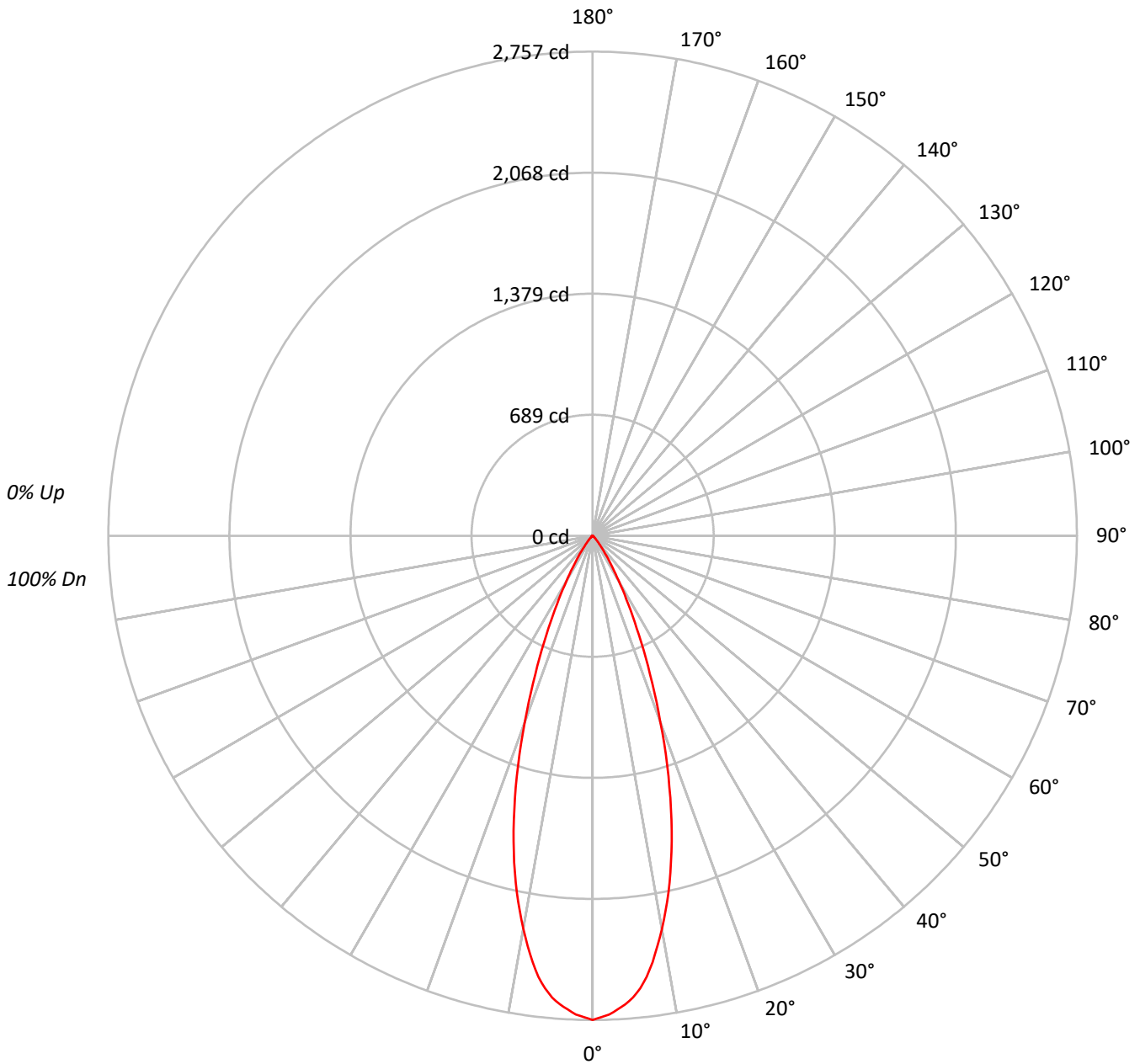
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P224981

CATALOG NUMBER: LSRWM2B15FL409040D010 2LBDL\*LI

### Luminous Intensity Polar Plot





TEST NUMBER: P224981

CATALOG NUMBER: LSRWM2B15FL409040D010 2LBDL\*LI

**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
1	114	112	110	108	112	110	108	106	106	105	103	102	101	100	99	98	97	96			96
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91			91
3	106	101	96	93	104	99	95	92	97	94	91	94	92	90	92	90	88	87			87
4	102	96	91	88	100	95	90	87	93	89	86	91	88	85	89	86	84	83			83
5	98	91	86	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79			79
6	94	87	82	79	93	86	82	79	85	81	78	84	80	78	83	79	77	76			76
7	91	83	79	75	90	83	78	75	82	78	75	81	77	74	80	76	74	73			73
8	88	80	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	70			70
9	85	77	72	69	84	76	72	69	76	71	69	75	71	68	74	71	68	67			67
10	82	74	69	66	81	74	69	66	73	69	66	72	68	66	72	68	66	65			65

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

	0°
0°	1068029
5°	1026344
10°	893469
15°	697677
20°	463978
25°	265708
30°	132078
35°	60715
40°	24321
45°	11120
50°	5182
55°	2904
60°	1627
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224981

CATALOG NUMBER: LSRWM2B15FL409040D010 2LBDL\*LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	240.2	21.6
10°-20°	471.8	42.4
20°-30°	292.0	26.2
30°-40°	87.4	7.8
40°-50°	17.5	1.6
50°-60°	4.3	0.4
60°-70°	0.3	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°	1004.0	90.2
0°-40°	1091.3	98.0
0°-60°	1113.1	100.0
0°-90°	1113.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1113.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2757	
5°	2640	240
15°	1740	472
25°	622	292
35°	128	87
45°	20	17
55°	4	4
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224981

CATALOG NUMBER: LSRWM2B15FL409040D010 2LBDL\*LI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2757.3
1°	2742.3
2°	2728.4
3°	2700.6
4°	2674.9
5°	2639.6
6°	2591.5
7°	2530.5
8°	2452.4
9°	2363.6
10°	2271.6
11°	2176.3
12°	2074.7
13°	1968.8
14°	1855.3
15°	1739.8
17.5°	1434.8
20°	1125.6
22.5°	851.7
25°	621.7
27.5°	436.5
30°	295.3
32.5°	194.7
35°	128.4
37.5°	80.2
40°	48.1
42.5°	31.0
45°	20.3
47.5°	12.8
50°	8.6
52.5°	6.4
55°	4.3
57.5°	3.2
60°	2.1
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



TEST NUMBER: P224981

CATALOG NUMBER: LSRWM2B15FL409040D010 2LBDL\*LI

**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)