

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: P224607

Luminaire Tested: **LSR2B15FL409727D010 2LBDLC\*MMS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P224607  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14836)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSR2B15FL409727D010 2LBDLC\*MMS  
Description: 1500 Lumen, 2inch Portfolio LED Cylinder  
FLOOD OPTIC  
LENSED CAST ROUND TRIM WITH MATTE METALLIC SILVER  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 887.1 lumens  
Efficiency: N/A  
Efficacy: 62.0 lumens/watt  
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.59  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

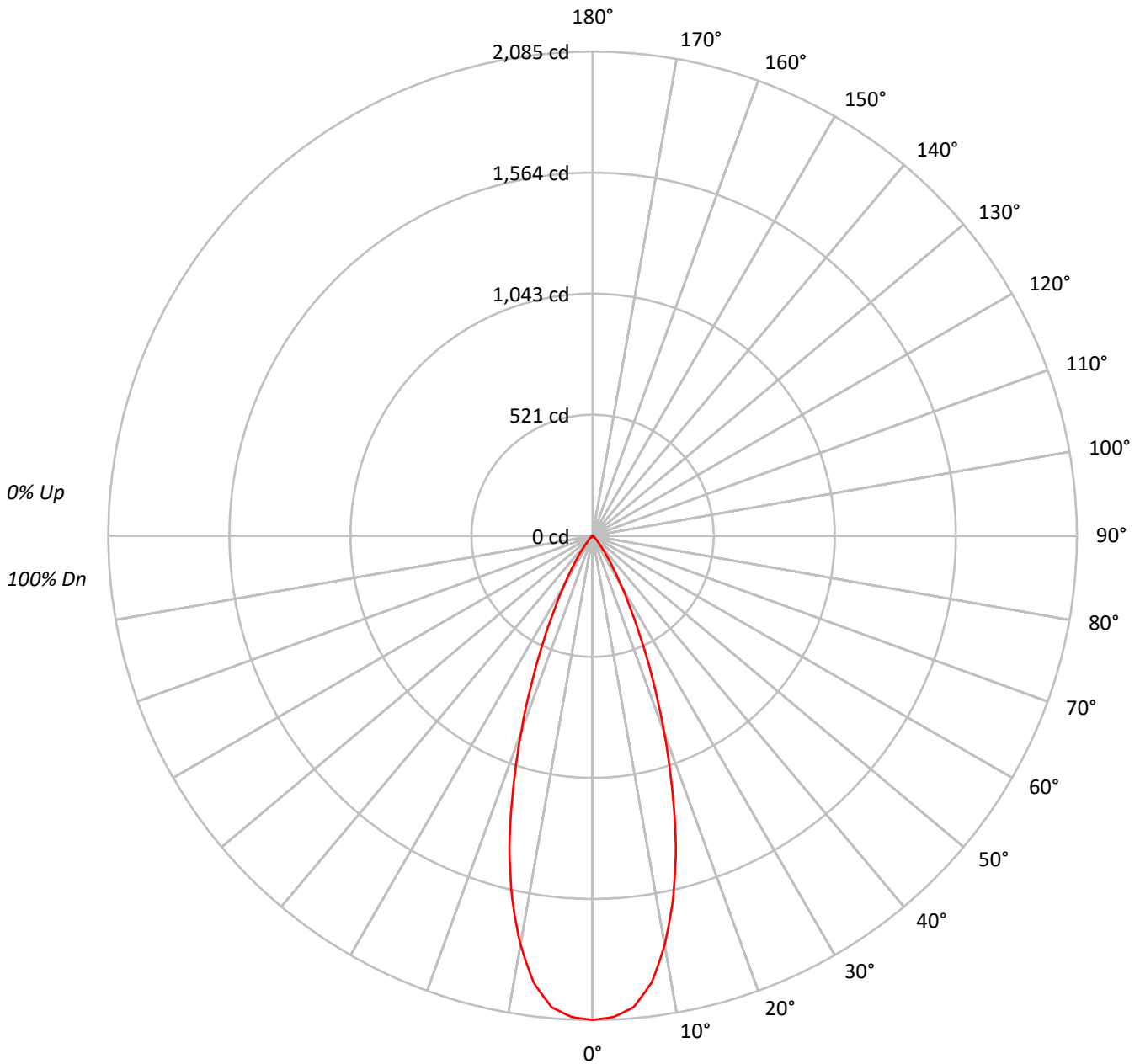
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P224607

CATALOG NUMBER: LSR2B15FL409727D010 2LBDLC\*MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P224607

CATALOG NUMBER: LSR2B15FL409727D010 2LBDLC\*MMS

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

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

	0°
0°	807500
5°	791999
10°	703534
15°	555198
20°	370284
25°	213139
30°	107971
35°	50596
40°	20731
45°	9367
50°	4821
55°	3106
60°	1782
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224607

CATALOG NUMBER: LSR2B15FL409727D010 2LBDLC\*MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.4	21.0
10°-20°	374.1	42.2
20°-30°	234.3	26.4
30°-40°	72.5	8.2
40°-50°	15.0	1.7
50°-60°	4.2	0.5
60°-70°	0.5	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°	794.9	89.6
0°-40°	867.4	97.8
0°-60°	886.6	99.9
0°-90°	887.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	887.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2085	
5°	2037	186
15°	1384	374
25°	499	234
35°	107	73
45°	17	15
55°	5	4
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224607

CATALOG NUMBER: LSR2B15FL409727D010 2LBDLC\*MMS

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2084.7
2.5°	2074.4
5°	2036.9
7.5°	1941.2
10°	1788.7
12.5°	1600.8
15°	1384.5
17.5°	1135.1
20°	898.3
22.5°	683.1
25°	498.7
27.5°	350.7
30°	241.4
32.5°	161.7
35°	107.0
37.5°	67.2
40°	41.0
42.5°	26.2
45°	17.1
47.5°	11.4
50°	8.0
52.5°	5.7
55°	4.6
57.5°	3.4
60°	2.3
62.5°	1.1
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)