

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: P224836

Luminaire Tested: **LSSQ2B15FL409030D2WD010 2LBDL\*B**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P224836  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14834)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSSQ2B15FL409030D2WD010 2LBDL\*B  
Description: 1500 Lumen, 2inch Portfolio LED Cylinder  
FLOOD OPTIC  
LENSED SPUN ROUND TRIM WITH BLACK FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 760.0 lumens  
Efficiency: N/A  
Efficacy: 53.1 lumens/watt  
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.6  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

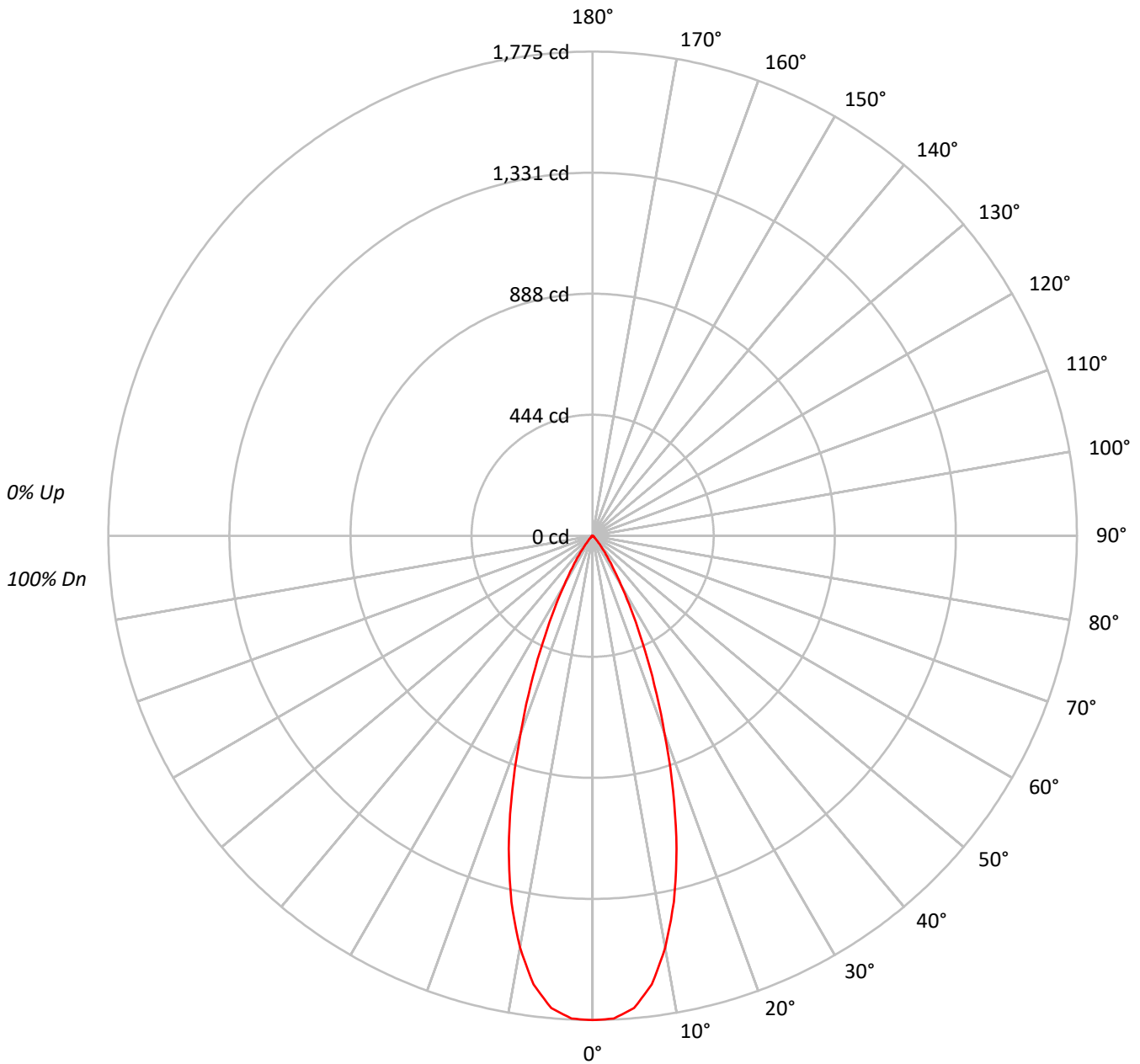
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P224836

CATALOG NUMBER: LSSQ2B15FL409030D2WD010 2LBDL\*B

### Luminous Intensity Polar Plot





TEST NUMBER: P224836

CATALOG NUMBER: LSSQ2B15FL409030D2WD010 2LBDL\*B

**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	103	100	108	104	101	99	101	99	96	98	96	94	96	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	84	81	85	83	80	79			79
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76			76
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	74	72			72
8	87	80	75	72	86	79	75	71	78	74	71	77	74	71	76	73	71	69			69
9	84	77	72	69	83	76	72	68	75	71	68	74	71	68	74	70	68	67			67
10	82	74	69	66	81	73	69	66	73	68	65	72	68	65	71	68	65	64			64

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

	0°
0°	687694
5°	675740
10°	602804
15°	476480
20°	317728
25°	184290
30°	92272
35°	43409
40°	16939
45°	7560
50°	3555
55°	2026
60°	775
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224836

CATALOG NUMBER: LSSQ2B15FL409030D2WD010 2LBDL\*B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.3	21.0
10°-20°	321.6	42.3
20°-30°	202.3	26.6
30°-40°	61.8	8.1
40°-50°	12.1	1.6
50°-60°	2.7	0.4
60°-70°	0.1	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°	683.2	89.9
0°-40°	745.1	98.0
0°-60°	759.9	100.0
0°-90°	760.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	760.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1775	
5°	1738	159
15°	1188	322
25°	431	202
35°	92	62
45°	14	12
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224836

CATALOG NUMBER: LSSQ2B15FL409030D2WD010 2LBDL\*B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1775.4
2.5°	1771.5
5°	1737.9
7.5°	1658.9
10°	1532.6
12.5°	1374.7
15°	1188.2
17.5°	980.9
20°	770.8
22.5°	591.1
25°	431.2
27.5°	304.0
30°	206.3
32.5°	139.2
35°	91.8
37.5°	56.2
40°	33.5
42.5°	21.7
45°	13.8
47.5°	8.9
50°	5.9
52.5°	3.9
55°	3.0
57.5°	2.0
60°	1.0
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
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)