

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: P224775

Luminaire Tested: **LSSQ2B15FL409027D010 2LBDL\*MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P224775  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14835)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSSQ2B15FL409027D010 2LBDL\*MW  
Description: 1500 Lumen, 2inch Portfolio LED Cylinder  
FLOOD OPTIC  
LENSED SPUN ROUND TRIM WITH MATTE WHITE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 996.8 lumens  
Efficiency: N/A  
Efficacy: 69.7 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

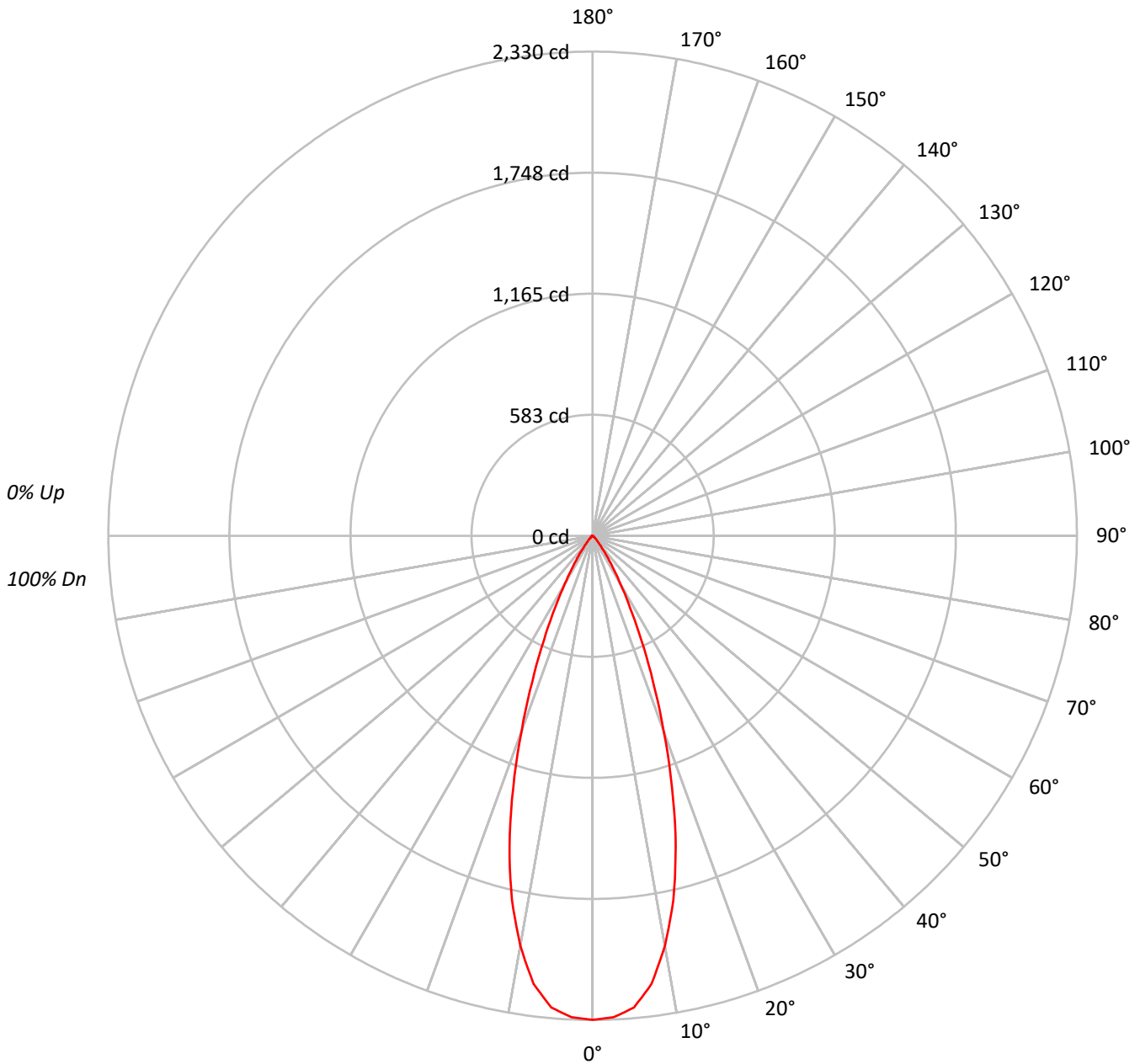
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P224775

CATALOG NUMBER: LSSQ2B15FL409027D010 2LBDL\*MW

### Luminous Intensity Polar Plot





TEST NUMBER: P224775

CATALOG NUMBER: LSSQ2B15FL409027D010 2LBDL\*MW

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

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

	0°
0°	902322
5°	885900
10°	787508
15°	619360
20°	412123
25°	236603
30°	119510
35°	56223
40°	22602
45°	11230
50°	6147
55°	4322
60°	3951
65°	2383
70°	2945
75°	1946
80°	2900
85°	0



TEST NUMBER: P224775

CATALOG NUMBER: LSSQ2B15FL409027D010 2LBDL\*MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	208.7	20.9
10°-20°	418.4	42.0
20°-30°	260.3	26.1
30°-40°	80.0	8.0
40°-50°	17.6	1.8
50°-60°	6.2	0.6
60°-70°	3.2	0.3
70°-80°	1.9	0.2
80°-90°	0.5	0.1
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°	887.3	89.0
0°-40°	967.3	97.0
0°-60°	991.2	99.4
0°-90°	996.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	996.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2330	
5°	2278	209
15°	1544	418
25°	554	260
35°	119	80
45°	20	18
55°	6	6
65°	3	3
75°	1	2
85°	0	1
90°	0	



TEST NUMBER: P224775

CATALOG NUMBER: LSSQ2B15FL409027D010 2LBDL\*MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2329.5
2.5°	2319.3
5°	2278.4
7.5°	2174.8
10°	2002.2
12.5°	1795.1
15°	1544.5
17.5°	1270.9
20°	999.8
22.5°	758.2
25°	553.6
27.5°	390.0
30°	267.2
32.5°	180.3
35°	118.9
37.5°	71.6
40°	44.7
42.5°	30.7
45°	20.5
47.5°	14.1
50°	10.2
52.5°	8.9
55°	6.4
57.5°	5.1
60°	5.1
62.5°	3.8
65°	2.6
67.5°	2.6
70°	2.6
72.5°	2.6
75°	1.3
77.5°	1.3
80°	1.3
82.5°	1.3
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)