

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: P224773

Luminaire Tested: **LSR2B15FL408050D010 2LBDL\*MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P224773  
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: LSR2B15FL408050D010 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: 1348.7 lumens  
Efficiency: N/A  
Efficacy: 94.3 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

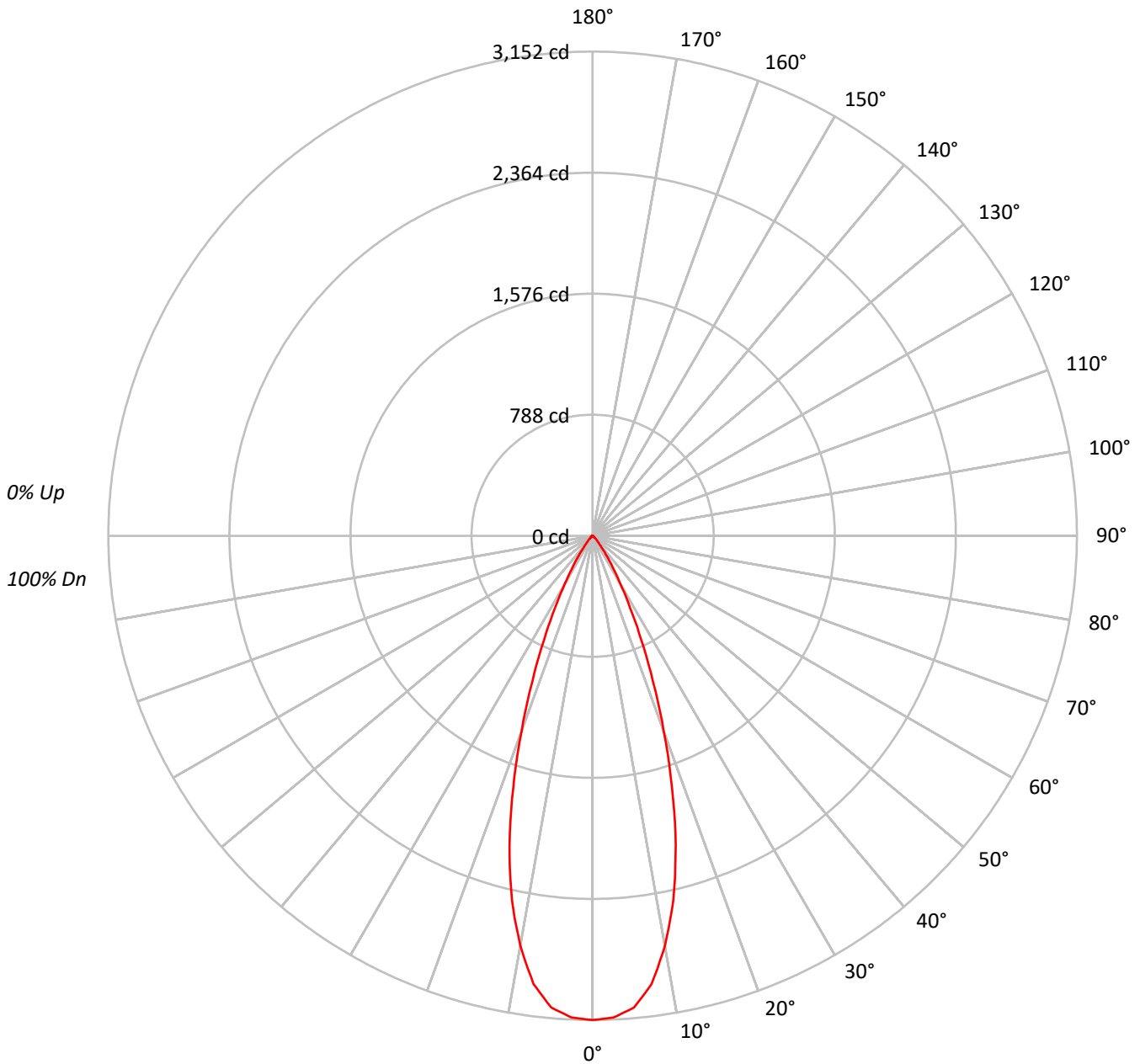
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P224773

CATALOG NUMBER: LSR2B15FL408050D010 2LBDL\*MW

### Luminous Intensity Polar Plot





TEST NUMBER: P224773

CATALOG NUMBER: LSR2B15FL408050D010 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	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91	91	91	91
3	105	100	96	93	104	99	95	92	96	93	90	94	91	89	92	90	88	86	86	86	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	85	88	86	84	82	82	82	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	79	79	79	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	75	75	75	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	76	73	72	72	72	72
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69	69	69	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66	66	66	66
10	81	73	68	65	80	73	68	65	72	68	65	71	68	65	71	67	65	64	64	64	64

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

	0°
0°	1220992
5°	1198749
10°	1065626
15°	838071
20°	557672
25°	320157
30°	161732
35°	76084
40°	30642
45°	15174
50°	8316
55°	5875
60°	5345
65°	3208
70°	3964
75°	2544
80°	3792
85°	0



TEST NUMBER: P224773

CATALOG NUMBER: LSR2B15FL408050D010 2LBDL\*MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	282.4	20.9
10°-20°	566.1	42.0
20°-30°	352.2	26.1
30°-40°	108.3	8.0
40°-50°	23.8	1.8
50°-60°	8.5	0.6
60°-70°	4.3	0.3
70°-80°	2.5	0.2
80°-90°	0.7	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°	1200.7	89.0
0°-40°	1309.0	97.1
0°-60°	1341.2	99.4
0°-90°	1348.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1348.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3152	
5°	3083	282
15°	2090	566
25°	749	352
35°	161	108
45°	28	24
55°	9	8
65°	4	4
75°	2	3
85°	0	1
90°	0	



TEST NUMBER: P224773

CATALOG NUMBER: LSR2B15FL408050D010 2LBDL\*MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3152.2
2.5°	3138.4
5°	3083.0
7.5°	2942.9
10°	2709.3
12.5°	2429.0
15°	2089.9
17.5°	1719.7
20°	1352.9
22.5°	1025.9
25°	749.1
27.5°	527.7
30°	361.6
32.5°	243.9
35°	160.9
37.5°	96.9
40°	60.6
42.5°	41.5
45°	27.7
47.5°	19.0
50°	13.8
52.5°	12.1
55°	8.7
57.5°	6.9
60°	6.9
62.5°	5.2
65°	3.5
67.5°	3.5
70°	3.5
72.5°	3.5
75°	1.7
77.5°	1.7
80°	1.7
82.5°	1.7
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)