

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: P225356

Luminaire Tested: **LSRWM2B15FL408030D010 2LBDC\*MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P225356  
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: LSRWM2B15FL408030D010 2LBDC\*MW  
Description: 1500 Lumen, 2inch Portfolio LED Cylinder  
FLOOD OPTIC  
CAST ROUND TRIM WITH MATTE WHITE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1203.1 lumens  
Efficiency: N/A  
Efficacy: 84.1 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

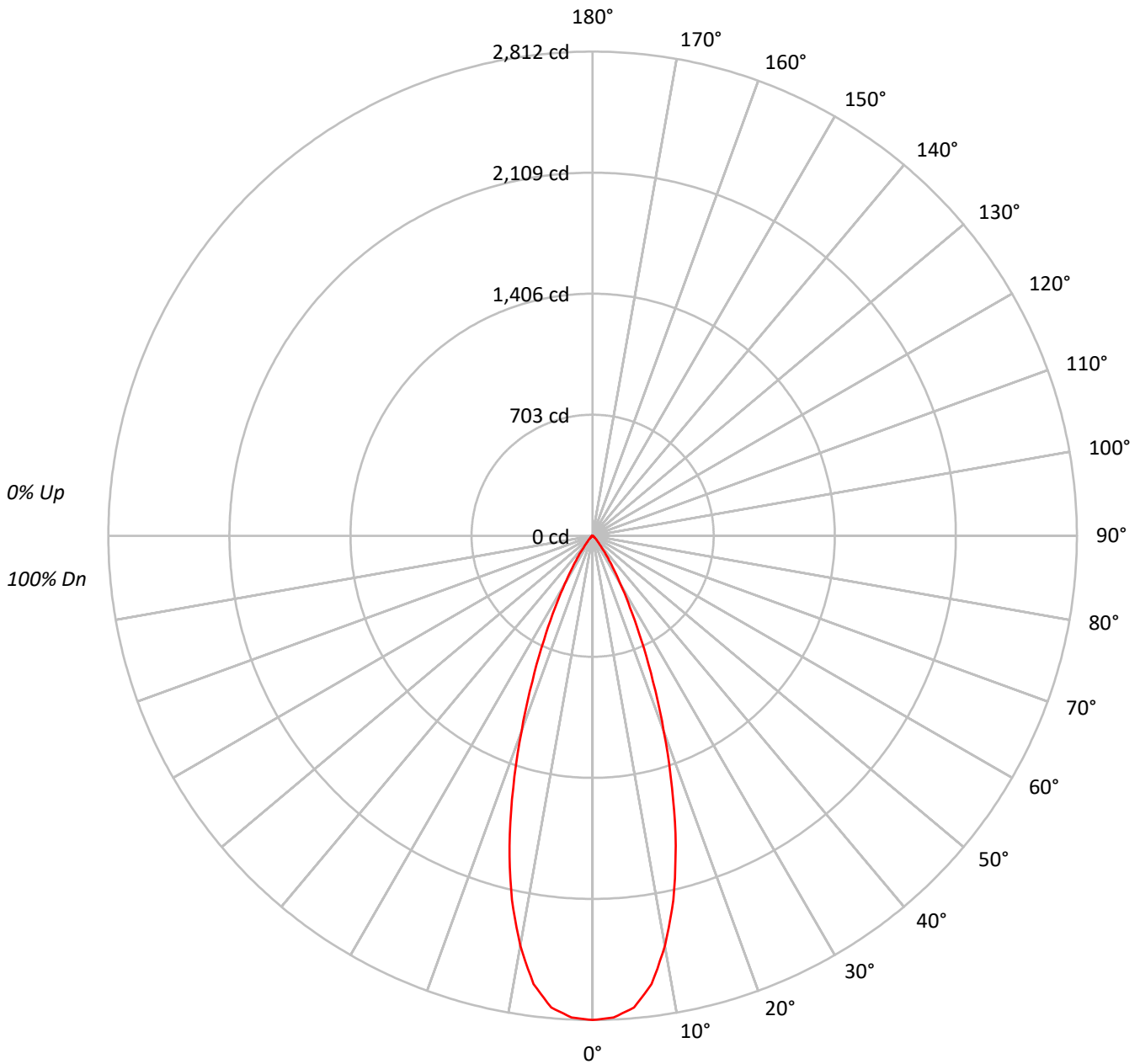
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P225356

CATALOG NUMBER: LSRWM2B15FL408030D010 2LBDC\*MW

### Luminous Intensity Polar Plot





TEST NUMBER: P225356

CATALOG NUMBER: LSRWM2B15FL408030D010 2LBDC\*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	87	82	78	93	86	81	78	84	80	77	83	80	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°	1089256
5°	1069426
10°	950658
15°	747683
20°	497531
25°	285624
30°	144289
35°	67856
40°	27305
45°	13530
50°	7412
55°	5200
60°	4803
65°	2841
70°	3511
75°	2245
80°	3346
85°	0



TEST NUMBER: P225356

CATALOG NUMBER: LSRWM2B15FL408030D010 2LBDC\*MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	251.9	20.9
10°-20°	505.1	42.0
20°-30°	314.2	26.1
30°-40°	96.6	8.0
40°-50°	21.2	1.8
50°-60°	7.6	0.6
60°-70°	3.8	0.3
70°-80°	2.2	0.2
80°-90°	0.6	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°	1071.1	89.0
0°-40°	1167.7	97.1
0°-60°	1196.5	99.4
0°-90°	1203.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1203.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2812	
5°	2750	252
15°	1864	505
25°	668	314
35°	144	97
45°	25	21
55°	8	8
65°	3	4
75°	2	2
85°	0	1
90°	0	



TEST NUMBER: P225356

CATALOG NUMBER: LSRWM2B15FL408030D010 2LBDC\*MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2812.1
2.5°	2799.8
5°	2750.4
7.5°	2625.4
10°	2417.0
12.5°	2167.0
15°	1864.5
17.5°	1534.2
20°	1207.0
22.5°	915.3
25°	668.3
27.5°	470.7
30°	322.6
32.5°	217.6
35°	143.5
37.5°	86.4
40°	54.0
42.5°	37.0
45°	24.7
47.5°	17.0
50°	12.3
52.5°	10.8
55°	7.7
57.5°	6.2
60°	6.2
62.5°	4.6
65°	3.1
67.5°	3.1
70°	3.1
72.5°	3.1
75°	1.5
77.5°	1.5
80°	1.5
82.5°	1.5
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)