

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: P225462

Luminaire Tested: **LSR2B15FL409030D2WD010 2LBDLC\*MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P225462  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14833)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSR2B15FL409030D2WD010 2LBDLC\*MB  
Description: 1500 Lumen, 2inch Portfolio LED Cylinder  
FLOOD OPTIC  
LENSED CAST ROUND TRIM WITH MATTE BLACK FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 752.1 lumens  
Efficiency: N/A  
Efficacy: 52.6 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.6  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

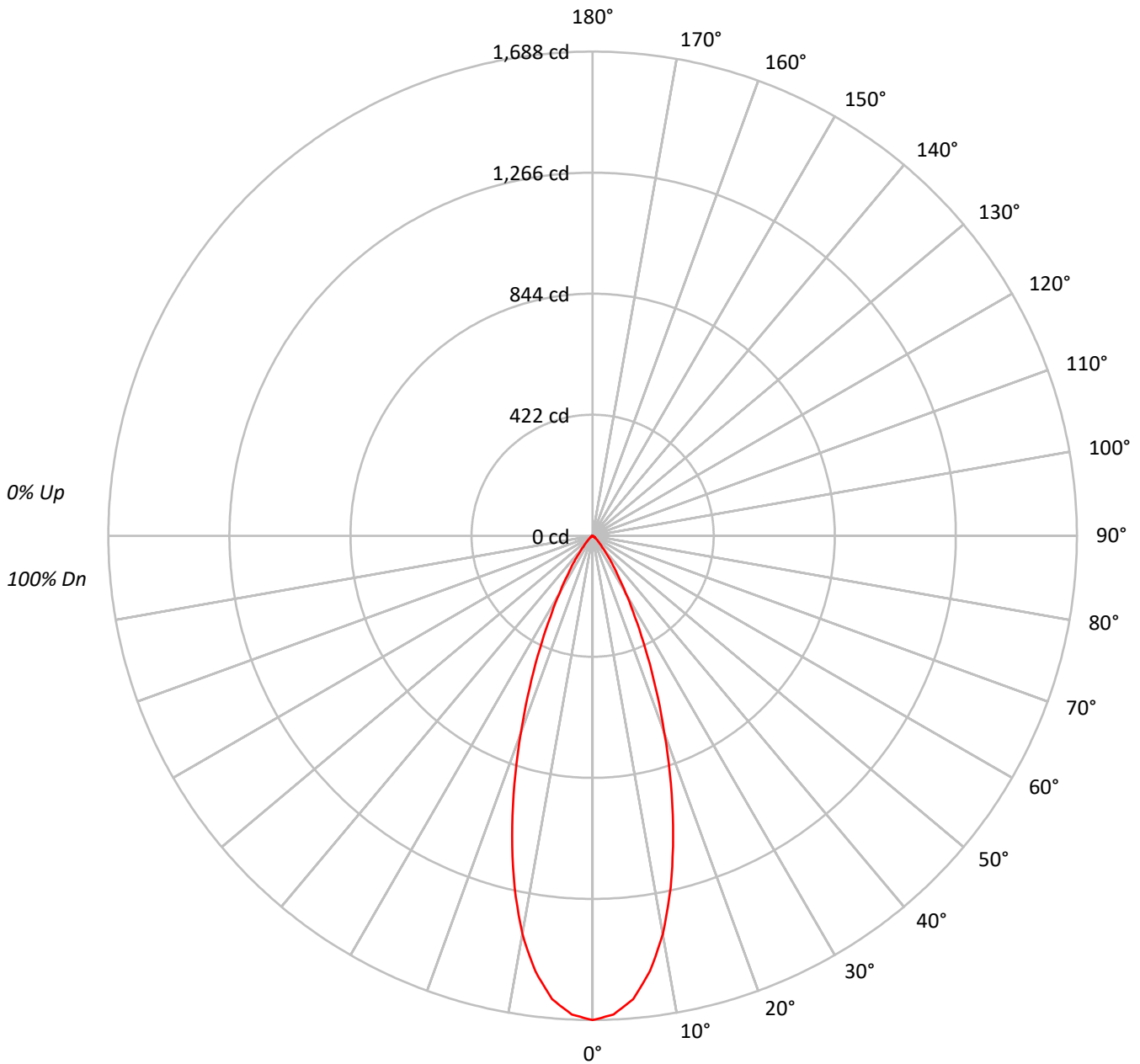
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**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	105	102	99	107	104	101	98	101	98	96	98	96	94	95	93	92	90			90
3	105	100	95	92	103	98	94	91	96	92	90	93	91	88	91	89	87	86			86
4	101	94	90	86	99	93	89	86	91	87	85	89	86	84	88	85	83	81			81
5	97	90	85	81	95	89	84	81	87	83	80	85	82	79	84	81	79	77			77
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	77	75	74			74
7	89	81	76	73	88	81	76	73	80	75	72	79	75	72	78	74	72	70			70
8	86	78	73	69	85	77	73	69	76	72	69	75	72	69	75	71	68	67			67
9	83	75	70	66	82	74	69	66	73	69	66	72	69	66	72	68	65	64			64
10	80	72	67	63	79	71	66	63	70	66	63	70	66	63	69	65	63	62			62

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

	0°
0°	653956
5°	630520
10°	554544
15°	434655
20°	301075
25°	185487
30°	103230
35°	55088
40°	27305
45°	13914
50°	7653
55°	4997
60°	2479
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.9	19.7
10°-20°	296.1	39.4
20°-30°	202.3	26.9
30°-40°	77.1	10.3
40°-50°	21.4	2.8
50°-60°	6.7	0.9
60°-70°	0.6	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°	646.2	85.9
0°-40°	723.3	96.2
0°-60°	751.4	99.9
0°-90°	752.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	752.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1688	
5°	1622	148
15°	1084	296
25°	434	202
35°	116	77
45°	25	21
55°	7	7
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1688.3
2.5°	1670.3
5°	1621.6
7.5°	1530.6
10°	1409.9
12.5°	1256.5
15°	1083.9
17.5°	907.2
20°	730.4
22.5°	573.7
25°	434.0
27.5°	318.6
30°	230.8
32.5°	164.0
35°	116.5
37.5°	81.5
40°	54.0
42.5°	36.0
45°	25.4
47.5°	18.0
50°	12.7
52.5°	9.5
55°	7.4
57.5°	5.3
60°	3.2
62.5°	1.0
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



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— 0°-180°







(END OF REPORT)