

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: P#

Luminaire Tested: **LSR2B15WFL559040D010 2LBDL\*LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29153)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSR2B15WFL559040D010 2LBDL\*LI  
Description: 1500 Lumen, 2inch Portfolio LED Cylinder  
WIDE FLOOD OPTIC  
LENSED SPUN ROUND TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

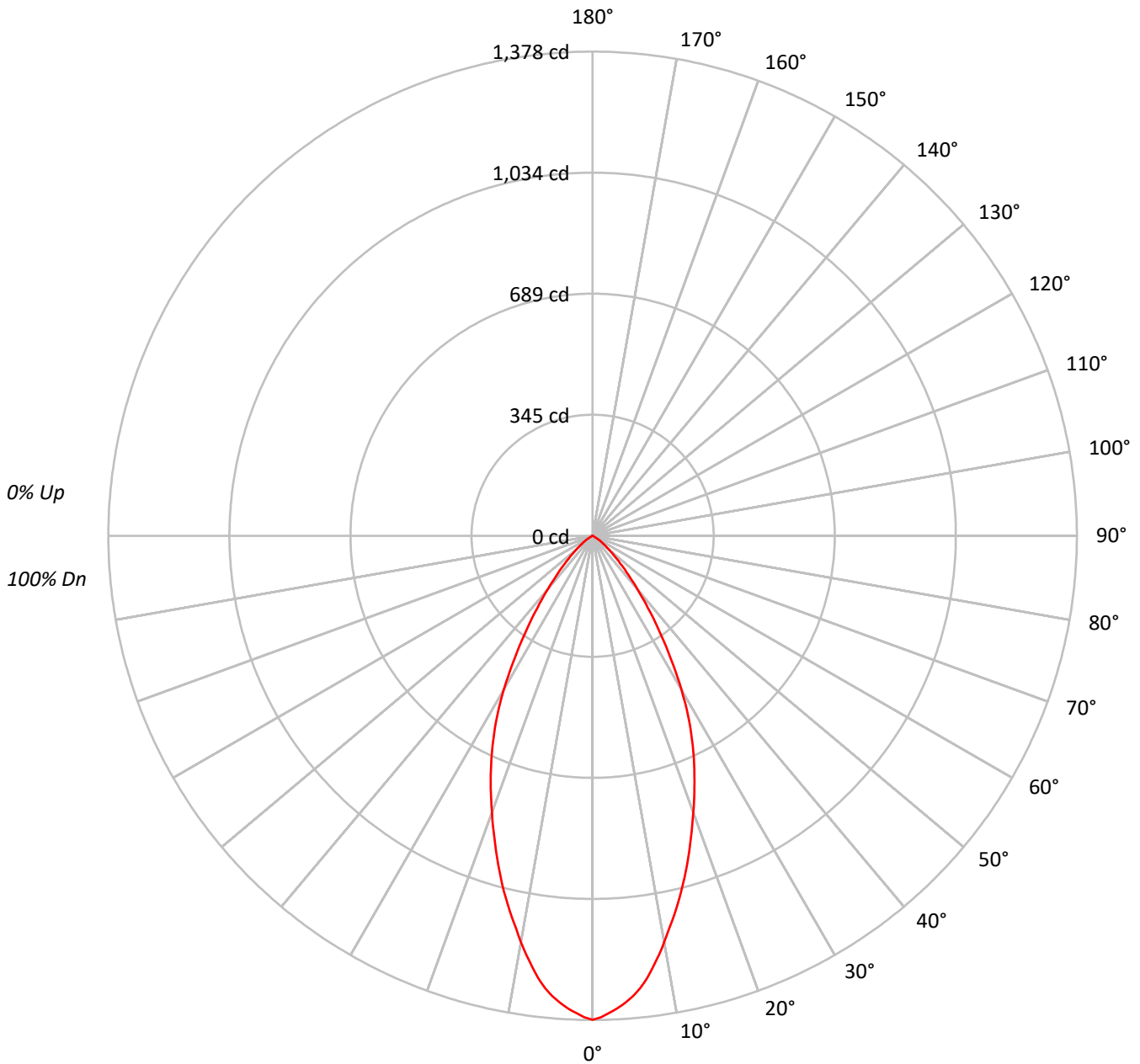
Lumens per Lamp: N/A  
Luminaire Lumens: 1036.2 lumens  
Efficiency: N/A  
Efficacy: 72.5 lumens/watt  
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.8  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

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																	
RC	80									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	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																											
1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93																											
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																											
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																											
4	97	89	84	79	95	88	83	79	86	81	78	84	80	77	82	79	76	75																											
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																											
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																											
7	83	73	67	63	82	73	67	63	72	66	63	70	66	62	69	65	62	61																											
8	79	69	63	59	78	69	63	59	68	62	59	66	62	58	66	61	58	57																											
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53																											
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50																											

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

	0°
0°	533569
5°	511461
10°	461917
15°	404699
20°	345304
25°	289642
30°	225915
35°	155761
40°	100016
45°	60531
50°	35493
55°	19922
60°	5733
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.0	11.7
10°-20°	280.5	27.1
20°-30°	308.3	29.7
30°-40°	208.6	20.1
40°-50°	89.4	8.6
50°-60°	27.3	2.6
60°-70°	1.2	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°	709.7	68.5
0°-40°	918.3	88.6
0°-60°	1035.0	99.9
0°-90°	1036.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1036.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1378	
5°	1315	121
15°	1009	280
25°	678	308
35°	329	209
45°	110	89
55°	30	27
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1377.5
1°	1370.2
2°	1358.6
3°	1347.0
4°	1332.3
5°	1315.4
6°	1294.4
7°	1269.1
8°	1238.6
9°	1207.0
10°	1174.4
11°	1139.7
12°	1108.1
13°	1075.5
14°	1042.9
15°	1009.2
17.5°	921.9
20°	837.7
22.5°	757.7
25°	677.7
27.5°	595.6
30°	505.1
32.5°	413.6
35°	329.4
37.5°	257.8
40°	197.8
42.5°	149.4
45°	110.5
47.5°	81.0
50°	58.9
52.5°	42.1
55°	29.5
57.5°	18.9
60°	7.4
62.5°	1.1
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



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CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0



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— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)