

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: **LSRWM2B15WFL559027D010 2LBD\*H**

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 (P29157)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSRWM2B15WFL559027D010 2LBD\*H  
Description: 1500 Lumen, 2inch Portfolio LED Cylinder  
WIDE FLOOD OPTIC  
SPUN ROUND TRIM WITH HAZE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

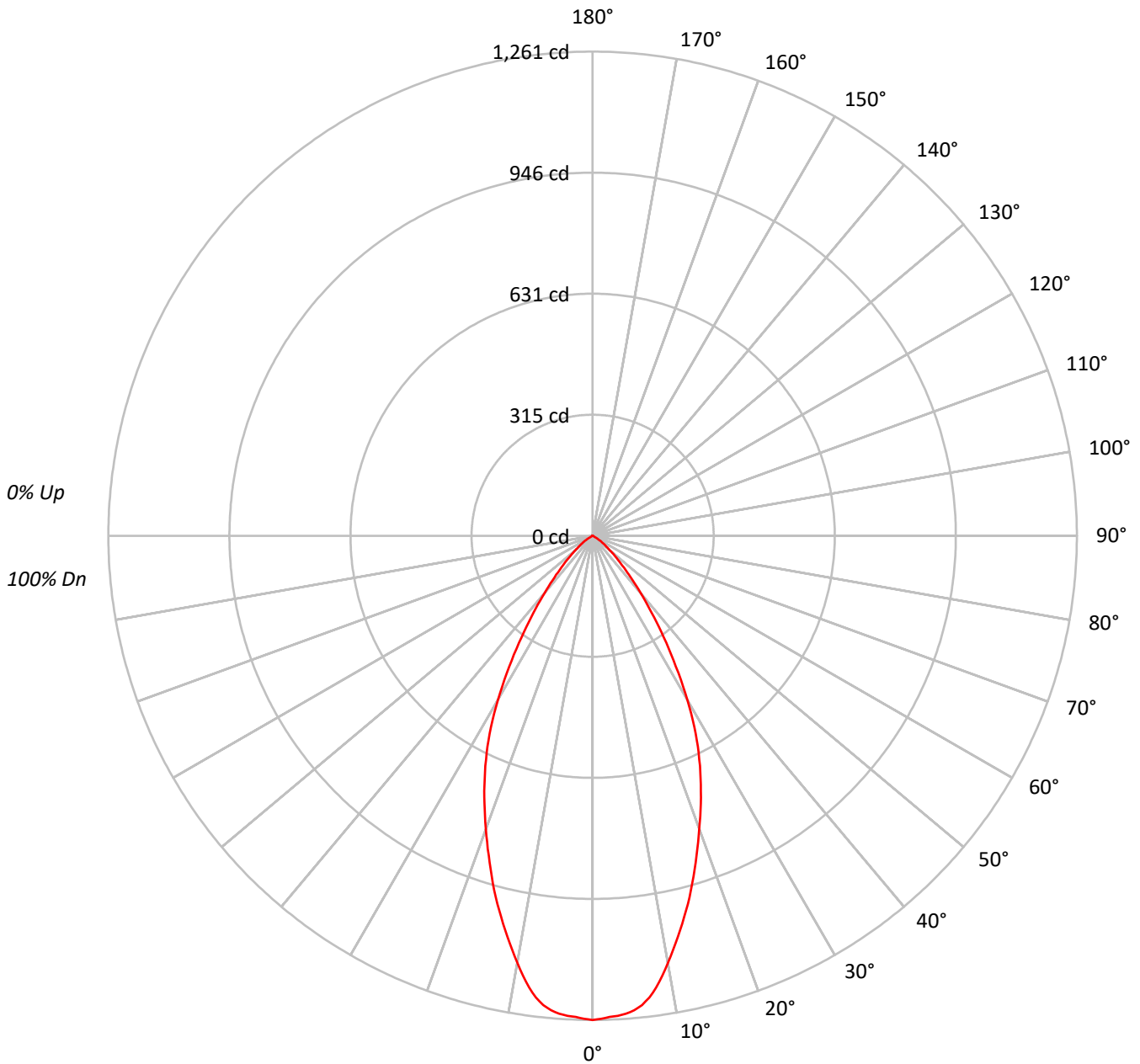
Lumens per Lamp: N/A  
Luminaire Lumens: 1007.5 lumens  
Efficiency: N/A  
Efficacy: 70.5 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.82  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

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
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	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	87		
3	102	96	91	86	100	94	90	86	92	88	84	89	86	83	87	84	82	80		
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74		
5	92	83	77	73	90	82	77	73	81	76	72	79	75	71	77	74	71	69		
6	87	78	72	68	86	77	71	67	76	71	67	74	70	66	73	69	66	64		
7	83	73	67	63	81	73	67	63	71	66	62	70	65	62	69	65	62	60		
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	56		
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53		
10	71	62	56	52	70	61	55	52	60	55	52	59	55	51	59	54	51	50		

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

	0°
0°	488559
5°	482416
10°	444257
15°	391025
20°	334875
25°	282504
30°	220593
35°	152403
40°	97893
45°	59764
50°	35373
55°	20192
60°	6352
65°	917
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.9	11.4
10°-20°	270.9	26.9
20°-30°	300.4	29.8
30°-40°	203.9	20.2
40°-50°	88.0	8.7
50°-60°	27.7	2.7
60°-70°	1.7	0.2
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°	686.3	68.1
0°-40°	890.1	88.3
0°-60°	1005.8	99.8
0°-90°	1007.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1007.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1261	
5°	1241	115
15°	975	271
25°	661	300
35°	322	204
45°	109	88
55°	30	28
65°	1	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1261.3
1°	1258.2
2°	1254.1
3°	1252.0
4°	1247.9
5°	1240.7
6°	1229.4
7°	1211.9
8°	1188.2
9°	1160.4
10°	1129.5
11°	1098.6
12°	1067.7
13°	1036.8
14°	1005.9
15°	975.1
17.5°	891.7
20°	812.4
22.5°	737.2
25°	661.0
27.5°	581.7
30°	493.2
32.5°	403.6
35°	322.3
37.5°	252.3
40°	193.6
42.5°	146.2
45°	109.1
47.5°	80.3
50°	58.7
52.5°	42.2
55°	29.9
57.5°	19.6
60°	8.2
62.5°	2.1
65°	1.0
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)