

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: **LSSQ2B15WFL559027D010 2LBDC\*MB**

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 (P14809)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSSQ2B15WFL559027D010 2LBDC\*MB  
Description: 1500 Lumen, 2inch Portfolio LED Cylinder  
WIDE FLOOD OPTIC  
CAST ROUND TRIM WITH MATTE BLACK FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

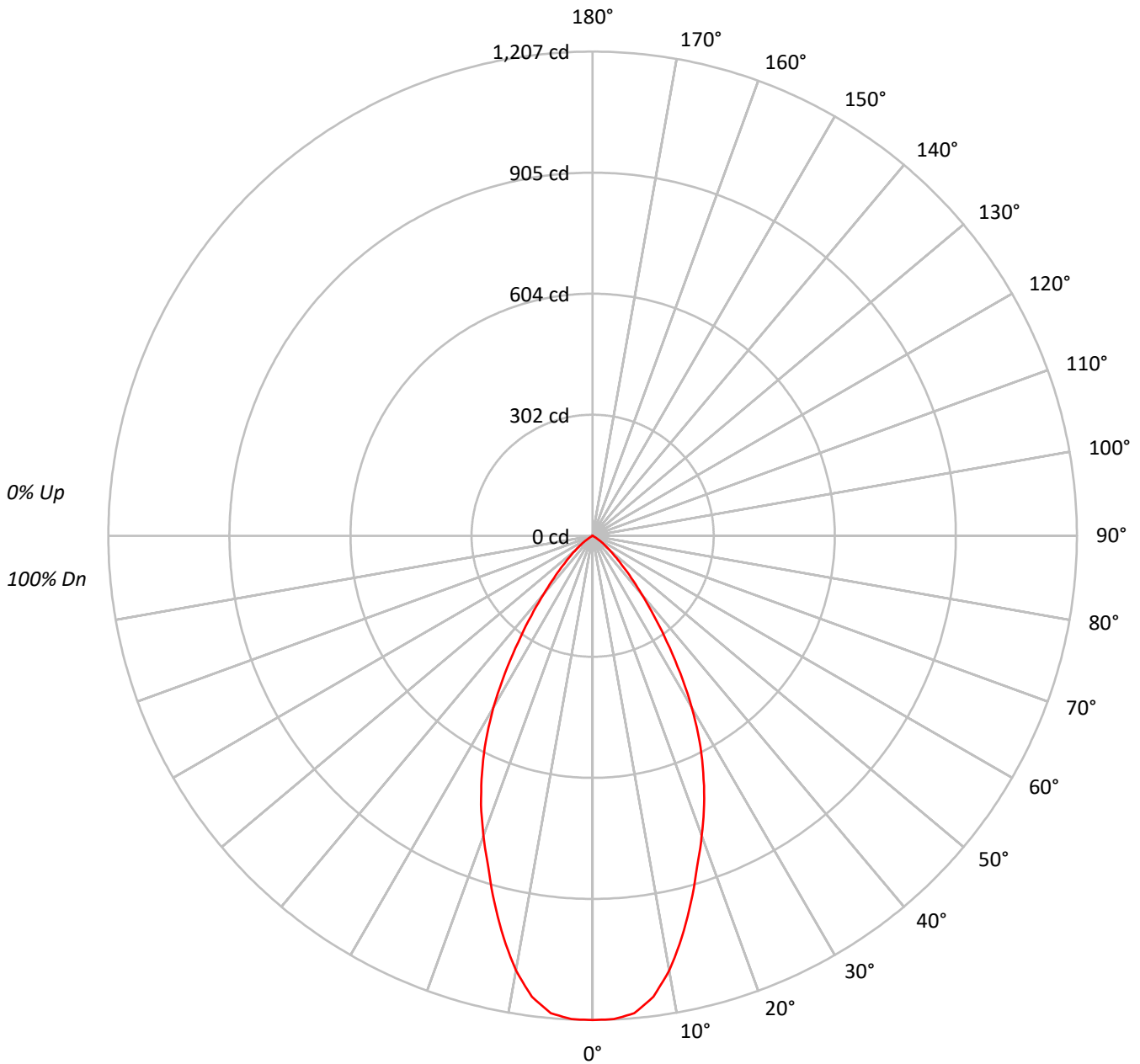
Lumens per Lamp: N/A  
Luminaire Lumens: 982.3 lumens  
Efficiency: N/A  
Efficacy: 68.7 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

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			
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	82	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	81	73	67	63	71	66	63	70	66	62	69	65	62	60			
8	79	69	63	59	78	69	63	59	67	62	59	66	62	58	65	61	58	57			
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53			
10	71	62	56	52	70	61	56	52	60	55	52	60	55	52	59	55	51	50			

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

	0°
0°	467643
5°	464608
10°	432693
15°	379476
20°	327785
25°	278829
30°	221130
35°	152640
40°	95820
45°	57189
50°	33083
55°	16680
60°	1085
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.0	11.3
10°-20°	263.8	26.9
20°-30°	296.9	30.2
30°-40°	203.9	20.8
40°-50°	84.7	8.6
50°-60°	21.8	2.2
60°-70°	0.2	0.0
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°	671.6	68.4
0°-40°	875.5	89.1
0°-60°	982.1	100.0
0°-90°	982.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	982.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1207	
5°	1195	111
15°	946	264
25°	652	297
35°	323	204
45°	104	85
55°	25	22
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1207.3
2.5°	1205.9
5°	1194.9
7.5°	1159.2
10°	1100.1
12.5°	1026.0
15°	946.3
17.5°	865.3
20°	795.2
22.5°	726.6
25°	652.4
27.5°	576.8
30°	494.4
32.5°	406.5
35°	322.8
37.5°	251.3
40°	189.5
42.5°	142.8
45°	104.4
47.5°	75.5
50°	54.9
52.5°	38.5
55°	24.7
57.5°	8.2
60°	1.4
62.5°	0.0
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)