

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: **LSSQ2B15WFL559024D010 2LBDL\*B**

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: LSSQ2B15WFL559024D010 2LBDL\*B  
Description: 1500 Lumen, 2inch Portfolio LED Cylinder  
WIDE FLOOD OPTIC  
LENSED SPUN ROUND TRIM WITH BLACK FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

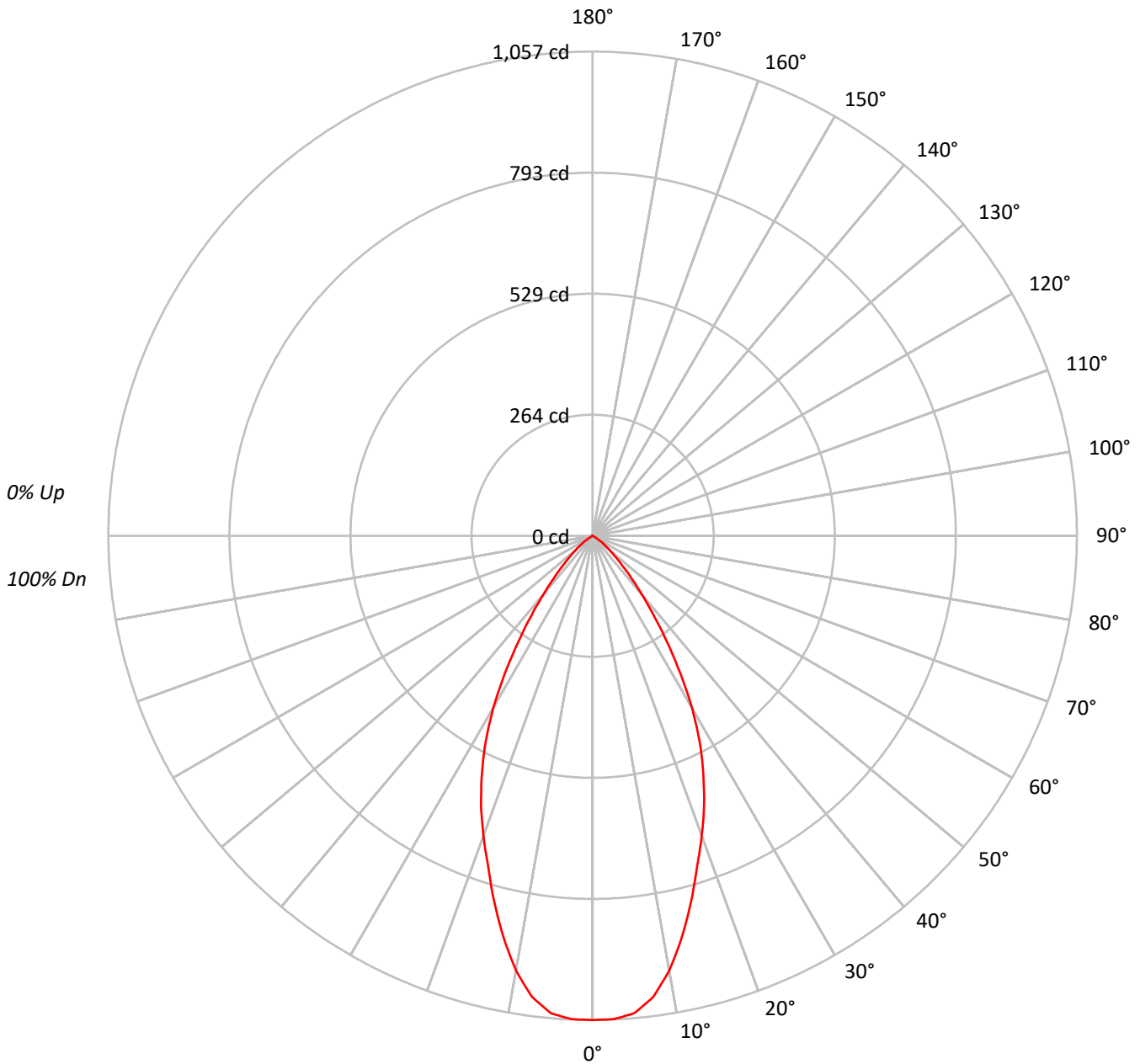
Lumens per Lamp: N/A  
Luminaire Lumens: 860.2 lumens  
Efficiency: N/A  
Efficacy: 60.2 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

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	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°	409502
5°	406867
10°	378926
15°	332317
20°	287060
25°	244167
30°	193667
35°	133631
40°	83937
45°	50068
50°	28985
55°	14587
60°	930
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.2	11.3
10°-20°	231.0	26.9
20°-30°	260.0	30.2
30°-40°	178.6	20.8
40°-50°	74.2	8.6
50°-60°	19.1	2.2
60°-70°	0.1	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°	588.1	68.4
0°-40°	766.7	89.1
0°-60°	860.0	100.0
0°-90°	860.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	860.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1057	
5°	1046	97
15°	829	231
25°	571	260
35°	283	179
45°	91	74
55°	22	19
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1057.2
2.5°	1056.0
5°	1046.4
7.5°	1015.1
10°	963.4
12.5°	898.4
15°	828.7
17.5°	757.7
20°	696.4
22.5°	636.2
25°	571.3
27.5°	505.1
30°	433.0
32.5°	356.0
35°	282.6
37.5°	220.1
40°	166.0
42.5°	125.1
45°	91.4
47.5°	66.2
50°	48.1
52.5°	33.7
55°	21.6
57.5°	7.2
60°	1.2
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)