

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: **LSSQWM2B15WFL558050D010 2LBDC\*MMS**

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 (P14811)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSSQWM2B15WFL558050D010 2LBDC\*MMS  
Description: 1500 Lumen, 2inch Portfolio LED Cylinder  
WIDE FLOOD OPTIC  
CAST ROUND TRIM WITH MATTE METALLIC SILVER  
Light Source: -  
Ballast/Driver: -

**Summary**

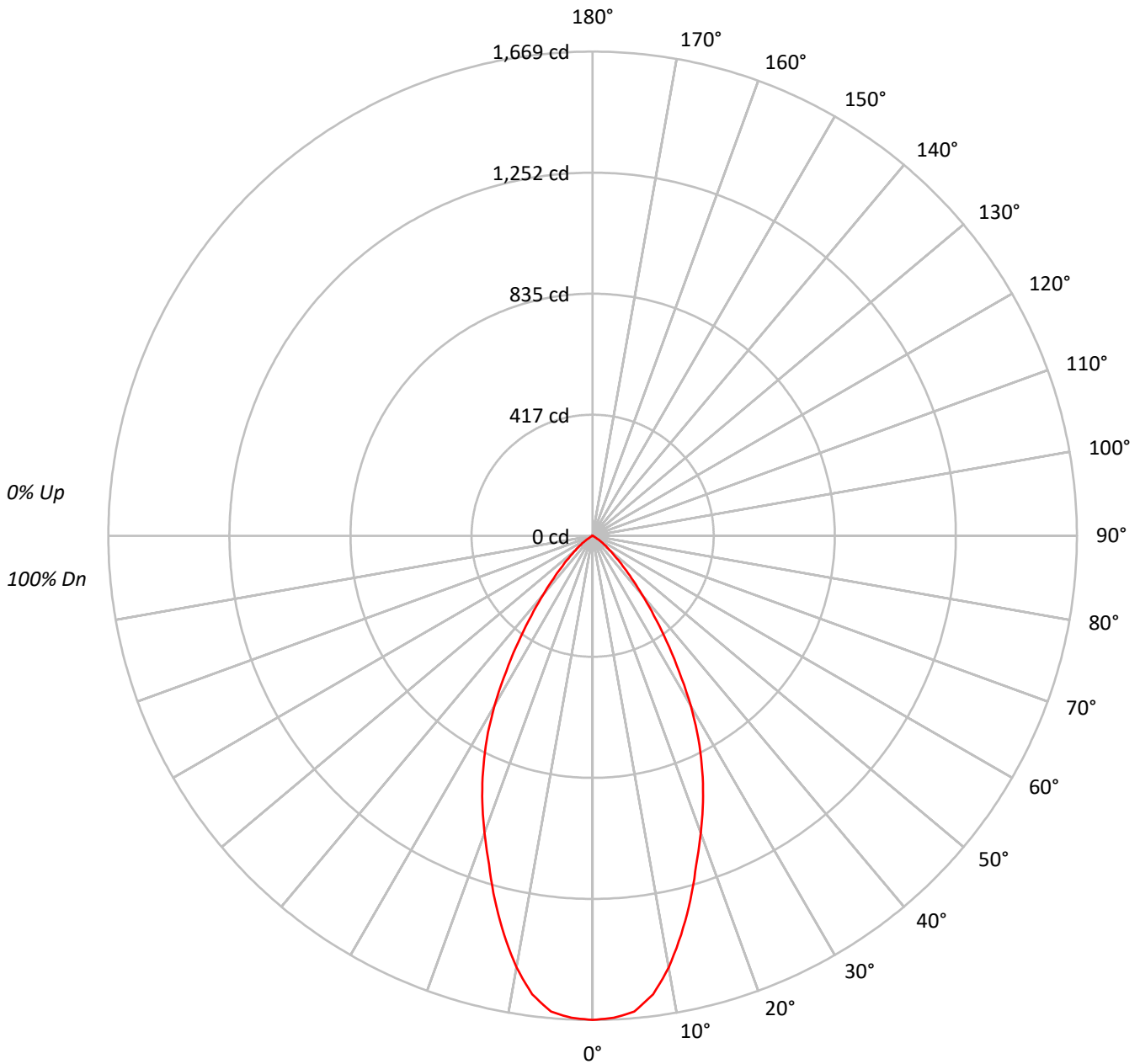
Lumens per Lamp: N/A  
Luminaire Lumens: 1354.1 lumens  
Efficiency: N/A  
Efficacy: 94.7 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.83  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

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	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	87	100	94	90	86	92	88	84	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	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	72	67	76	71	67	74	70	66	73	69	66	65																											
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	51	59	55	51	59	54	51	50																											

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

	0°
0°	646442
5°	640240
10°	594309
15°	521714
20°	448932
25°	382043
30°	302577
35°	210045
40°	133440
45°	80416
50°	45918
55°	25122
60°	2866
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.8	11.3
10°-20°	362.1	26.7
20°-30°	406.5	30.0
30°-40°	280.1	20.7
40°-50°	118.4	8.7
50°-60°	33.4	2.5
60°-70°	0.9	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°	921.4	68.0
0°-40°	1201.5	88.7
0°-60°	1353.2	99.9
0°-90°	1354.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1354.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1669	
5°	1647	153
15°	1301	362
25°	894	406
35°	444	280
45°	147	118
55°	37	33
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1668.9
2.5°	1663.4
5°	1646.6
7.5°	1594.6
10°	1511.0
12.5°	1408.8
15°	1301.0
17.5°	1187.6
20°	1089.1
22.5°	994.3
25°	893.9
27.5°	789.9
30°	676.5
32.5°	553.8
35°	444.2
37.5°	347.5
40°	263.9
42.5°	198.9
45°	146.8
47.5°	105.9
50°	76.2
52.5°	55.8
55°	37.2
57.5°	18.6
60°	3.7
62.5°	1.9
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)