

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: P222947

Luminaire Tested: **LSSQWM2B15NFL259024D010 2LBDLC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P222947
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (155)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B15NFL259024D010 2LBDLC*MW
Description: 1500 Lumen, 2inch Portfolio LED Cylinder
NARROW FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 923.1 lumens
Efficiency: N/A
Efficacy: 64.6 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

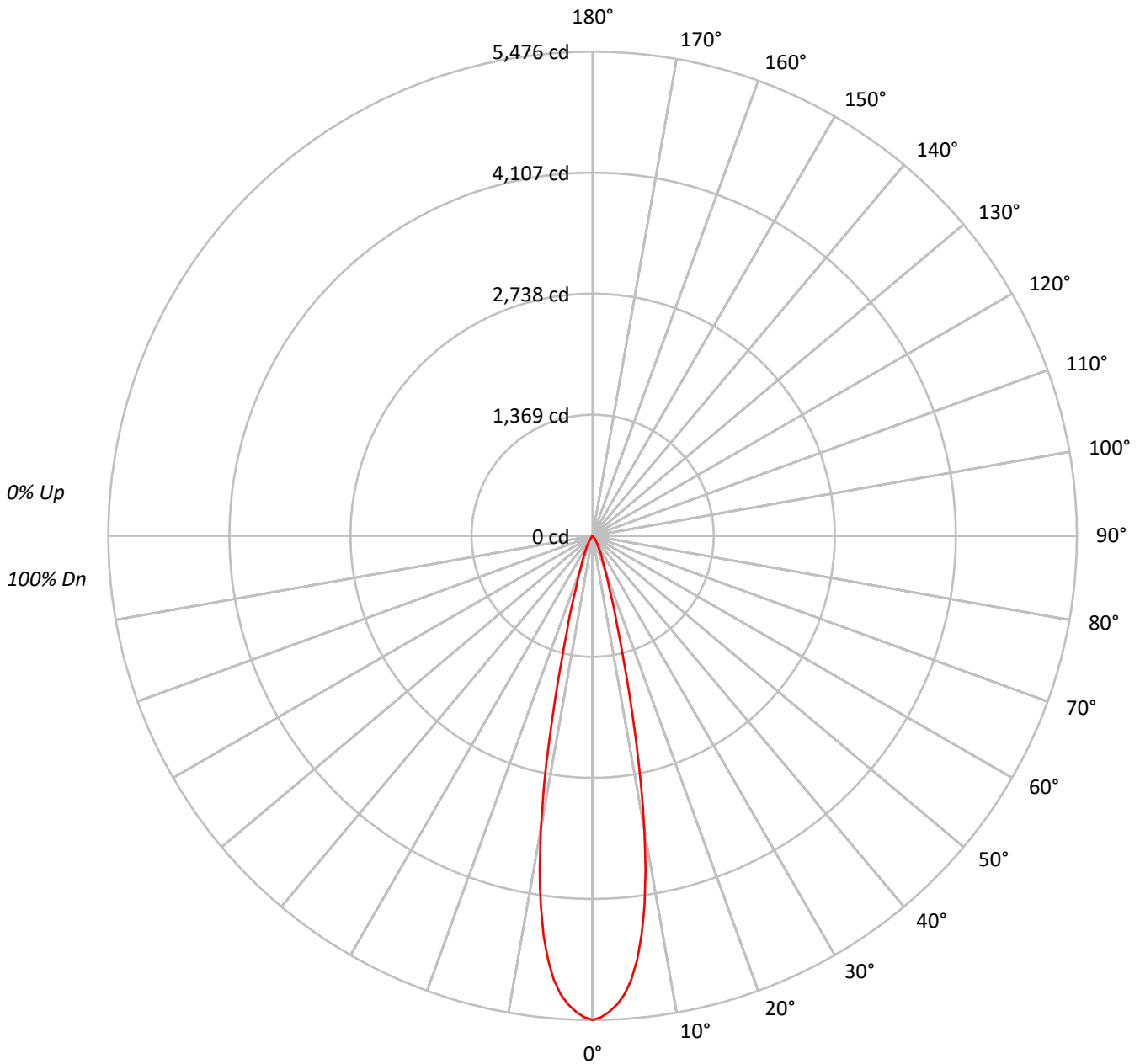
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	99	97
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	96	95
2	112	109	106	104	110	107	104	102	104	102	100	101	99	98	98	97	96	95	95	93	92
3	109	105	101	99	107	103	100	98	101	98	96	99	97	95	96	95	93	92	92	91	90
4	106	101	97	95	104	100	97	94	98	95	93	96	94	92	95	93	91	90	89	88	86
5	103	98	94	91	102	97	94	91	95	92	90	94	91	89	93	90	89	88	87	86	84
6	101	95	91	89	99	94	91	88	93	90	88	92	89	87	91	88	87	86	85	84	82
7	98	92	89	86	97	92	88	86	91	88	85	90	87	85	89	87	85	84	83	82	80
8	96	90	86	84	95	90	86	84	89	86	83	88	85	83	87	85	83	82	81	80	79
9	94	88	84	82	93	88	84	82	87	84	82	86	83	81	85	83	81	80	79	79	79
10	92	86	82	80	91	86	82	80	85	82	80	84	82	80	84	81	79	79	79	79	79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2121262
5°	1958592
10°	1325729
15°	451016
20°	165665
25°	87828
30°	45129
35°	21090
40°	6877
45°	3506
50°	1627
55°	608
60°	697
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.5	46.4
10°-20°	360.3	39.0
20°-30°	98.9	10.7
30°-40°	28.8	3.1
40°-50°	5.3	0.6
50°-60°	1.2	0.1
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°	887.6	96.2
0°-40°	916.5	99.3
0°-60°	923.0	100.0
0°-90°	923.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	923.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5476	
5°	5037	428
15°	1125	360
25°	206	99
35°	45	29
45°	6	5
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5476.4
1°	5444.6
2°	5388.2
3°	5307.3
4°	5196.4
5°	5037.2
6°	4819.9
7°	4548.1
8°	4216.2
9°	3824.3
10°	3370.6
11°	2873.2
12°	2355.9
13°	1862.1
14°	1441.2
15°	1124.7
17.5°	634.7
20°	401.9
22.5°	286.4
25°	205.5
27.5°	145.5
30°	100.9
32.5°	70.9
35°	44.6
37.5°	18.2
40°	13.6
42.5°	10.0
45°	6.4
47.5°	3.6
50°	2.7
52.5°	1.8
55°	0.9
57.5°	0.9
60°	0.9
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



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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)