

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: P278841

Luminaire Tested: **LDA2B159024D010 EU2B15NFL259024 2LBAD1GPH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P278841
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-2)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B159024D010 EU2B15NFL259024 2LBAD1GPH
Description: PORTFOLIO 2in ADJ 1500 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC AND 2in ADJ spun Refl, Self-Flanged, GPH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1081.9 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.39
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

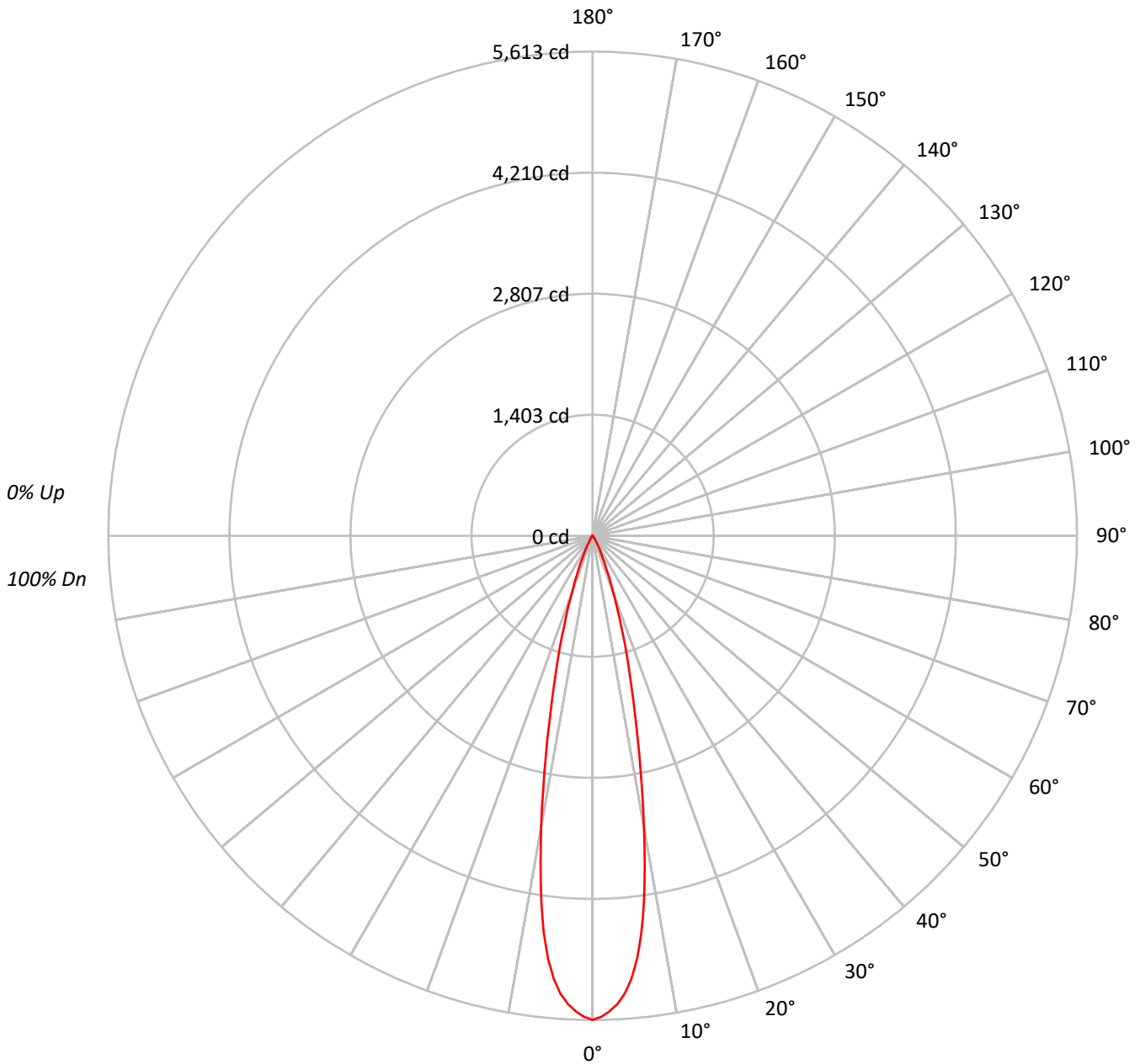
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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																											
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97									97																											
2	112	108	105	103	110	107	104	102	103	101	100	101	99	98	98	97	96	94									94																											
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91									91																											
4	105	100	96	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89									89																											
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	92	89	87	86									86																											
6	100	94	90	87	98	93	89	87	92	89	86	91	88	86	89	87	85	84									84																											
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82									82																											
8	95	88	85	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80									80																											
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78									78																											
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76									76																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2769289
5°	2553985
10°	1721042
15°	848535
20°	362425
25°	142515
30°	56114
35°	24573
40°	11850
45°	5721
50°	3147
55°	1720
60°	987
65°	584
70°	721
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	436.8	40.4
10°-20°	470.5	43.5
20°-30°	135.8	12.6
30°-40°	28.7	2.6
40°-50°	7.1	0.7
50°-60°	2.0	0.2
60°-70°	0.7	0.1
70°-80°	0.3	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°	1043.1	96.4
0°-40°	1071.8	99.1
0°-60°	1080.9	99.9
0°-90°	1081.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1081.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5613	
5°	5157	437
15°	1661	470
25°	262	136
35°	41	29
45°	8	7
55°	2	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5613.1
1°	5577.9
2°	5518.2
3°	5437.6
4°	5323.3
5°	5157.0
6°	4932.4
7°	4639.6
8°	4279.3
9°	3859.4
10°	3435.4
11°	3006.8
12°	2602.2
13°	2243.0
14°	1927.2
15°	1661.3
17.5°	1098.0
20°	690.3
22.5°	424.5
25°	261.8
27.5°	159.7
30°	98.5
32.5°	62.2
35°	40.8
37.5°	27.0
40°	18.4
42.5°	12.8
45°	8.2
47.5°	5.1
50°	4.1
52.5°	3.1
55°	2.0
57.5°	1.5
60°	1.0
62.5°	1.0
65°	0.5
67.5°	0.5
70°	0.5
72.5°	0.5
75°	0.0
77.5°	0.5
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)