

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: P278871

Luminaire Tested: **LDA2B159030D010 EU2B15NFL259030 2LBAD1WH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P278871
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: LDA2B159030D010 EU2B15NFL259030 2LBAD1WH
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC
AND 2in ADJ spun Refl, Self-Flanged, WH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1216.2 lumens
Efficiency: N/A
Efficacy: 86.3 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

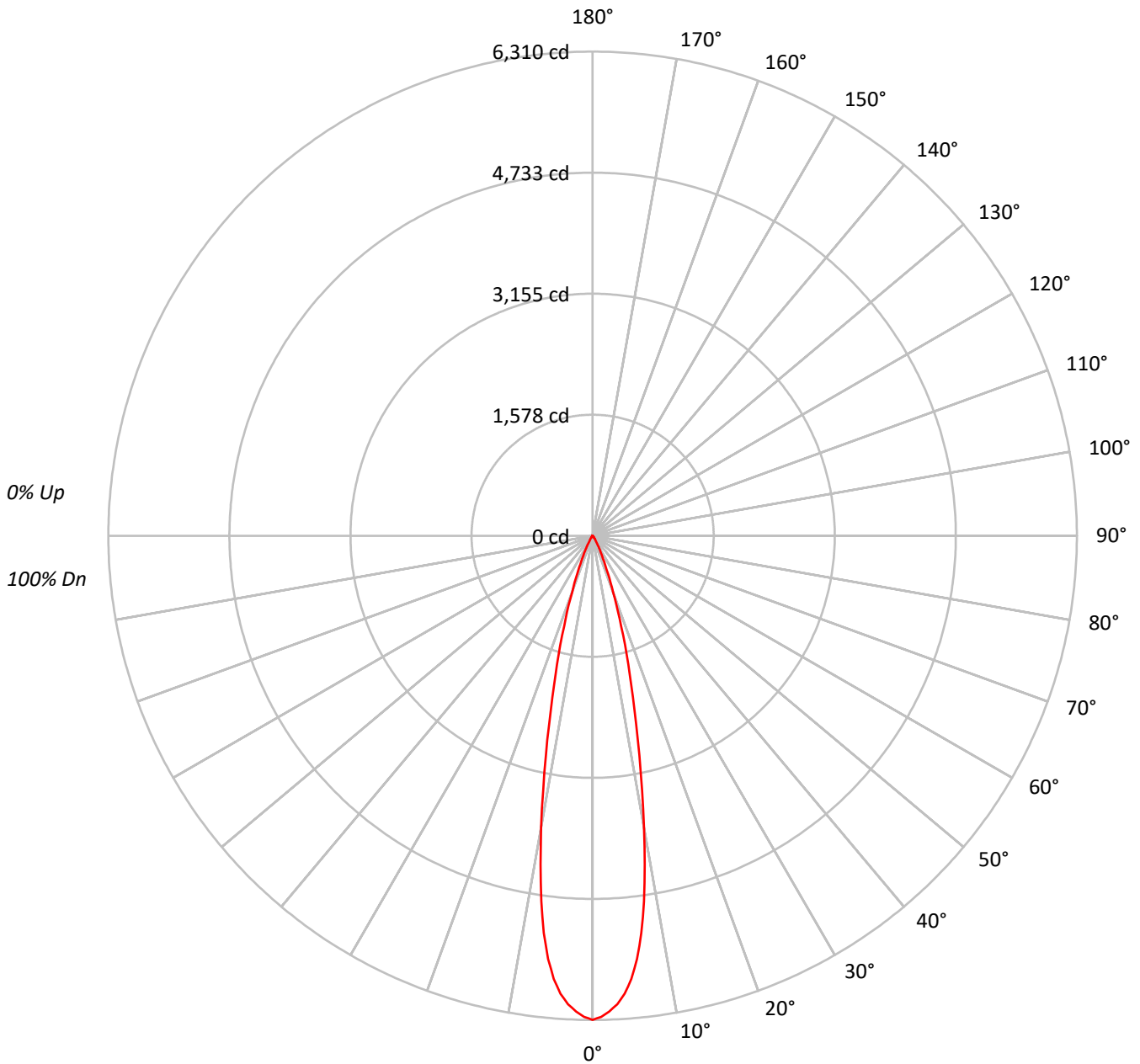
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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									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	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°	3113064
5°	2871042
10°	1934706
15°	953906
20°	407472
25°	160152
30°	63064
35°	27645
40°	13267
45°	6419
50°	3531
55°	1978
60°	1085
65°	700
70°	865
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	491.1	40.4
10°-20°	528.9	43.5
20°-30°	152.7	12.6
30°-40°	32.2	2.7
40°-50°	7.9	0.7
50°-60°	2.3	0.2
60°-70°	0.8	0.1
70°-80°	0.4	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°	1172.6	96.4
0°-40°	1204.8	99.1
0°-60°	1215.0	99.9
0°-90°	1216.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1216.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6310	
5°	5797	491
15°	1868	529
25°	294	153
35°	46	32
45°	9	8
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6309.9
1°	6270.4
2°	6203.2
3°	6112.6
4°	5984.1
5°	5797.2
6°	5544.8
7°	5215.5
8°	4810.6
9°	4338.5
10°	3861.9
11°	3380.1
12°	2925.2
13°	2521.4
14°	2166.4
15°	1867.6
17.5°	1234.3
20°	776.1
22.5°	477.2
25°	294.2
27.5°	179.5
30°	110.7
32.5°	70.0
35°	45.9
37.5°	30.4
40°	20.6
42.5°	14.3
45°	9.2
47.5°	5.7
50°	4.6
52.5°	3.4
55°	2.3
57.5°	1.7
60°	1.1
62.5°	1.1
65°	0.6
67.5°	0.6
70°	0.6
72.5°	0.6
75°	0.0
77.5°	0.6
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)