

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: P278125

Luminaire Tested: **LDA2B159024D010 EU2B15SP159024 2LBAD1B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P278125
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-1)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B159024D010 EU2B15SP159024 2LBAD1B
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH SPOT OPTIC AND 2in
ADJ spun Refl, Self-Flanged, B
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1032.9 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.28
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

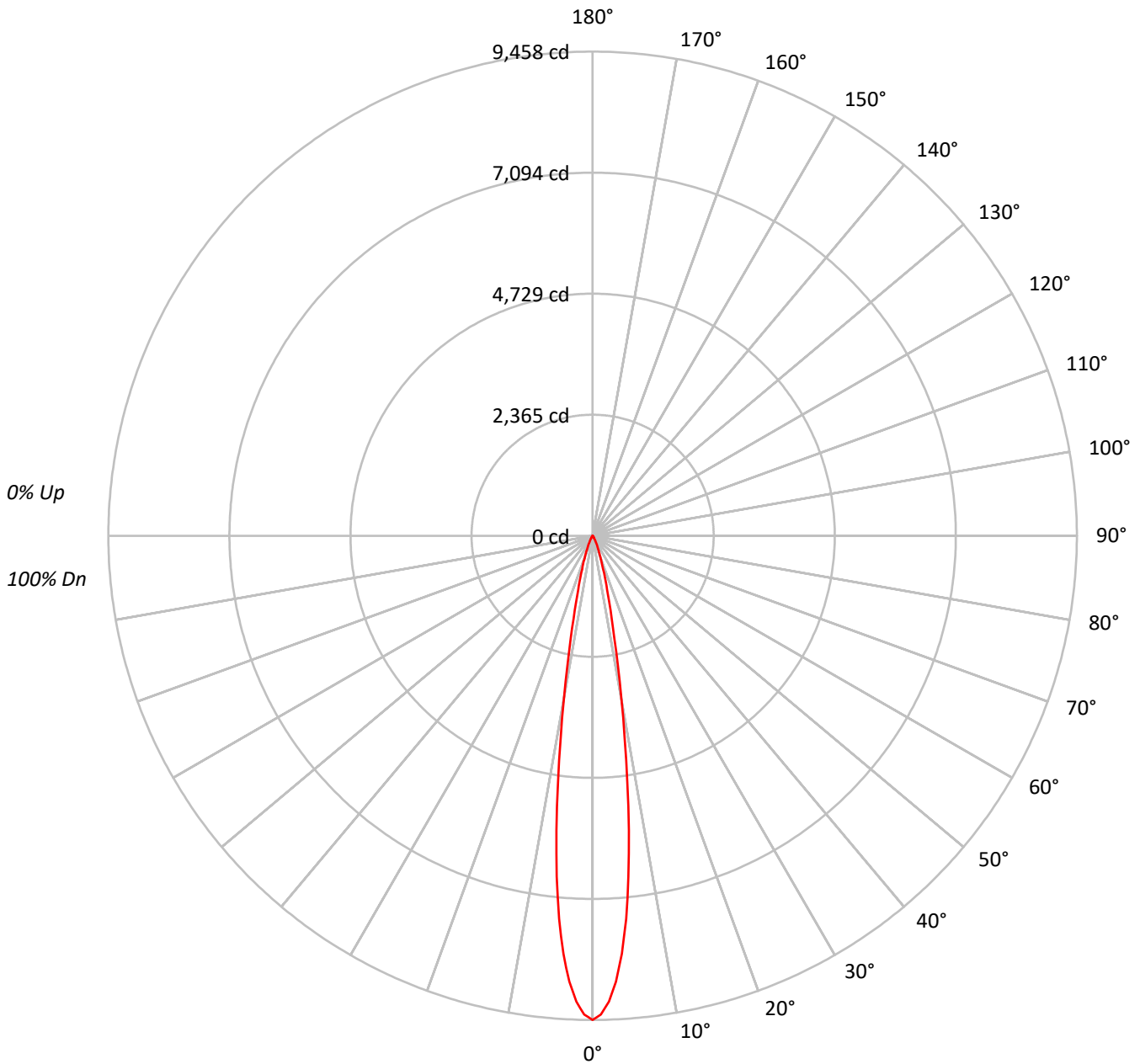
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98		
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	96		
3	109	105	102	100	108	104	101	99	102	99	98	100	98	96	97	96	95	93		
4	107	102	99	96	105	101	98	96	99	97	95	98	95	94	96	94	93	92		
5	104	99	96	93	103	99	95	93	97	94	92	96	93	91	94	92	91	90		
6	102	97	93	91	101	96	93	91	95	92	90	94	91	89	93	91	89	88		
7	100	95	91	89	99	94	91	88	93	90	88	92	90	88	91	89	87	86		
8	98	93	89	87	97	92	89	87	91	88	86	90	88	86	90	87	86	85		
9	96	91	87	85	95	90	87	85	90	87	85	89	86	84	88	86	84	83		
10	94	89	86	83	94	89	85	83	88	85	83	87	85	83	87	85	83	82		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4666462
5°	3720390
10°	1615186
15°	558063
20°	228806
25°	103320
30°	41587
35°	19333
40°	10498
45°	3907
50°	2379
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°	567.7	55.0
10°-20°	341.0	33.0
20°-30°	93.9	9.1
30°-40°	22.3	2.2
40°-50°	5.5	0.5
50°-60°	1.8	0.2
60°-70°	0.7	0.1
70°-80°	0.1	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°	1002.6	97.1
0°-40°	1024.9	99.2
0°-60°	1032.2	99.9
0°-90°	1032.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1032.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9458	
5°	7512	568
15°	1093	341
25°	190	94
35°	32	22
45°	6	6
55°	2	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9458.5
1°	9353.9
2°	9103.3
3°	8721.1
4°	8181.7
5°	7512.2
6°	6694.7
7°	5799.1
8°	4858.1
9°	3992.6
10°	3224.1
11°	2573.5
12°	2048.4
13°	1651.9
14°	1336.5
15°	1092.6
17.5°	678.2
20°	435.8
22.5°	285.8
25°	189.8
27.5°	122.0
30°	73.0
32.5°	45.9
35°	32.1
37.5°	23.5
40°	16.3
42.5°	9.7
45°	5.6
47.5°	4.1
50°	3.1
52.5°	2.6
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°	0.0
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)