

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: P278164

Luminaire Tested: **LDA2B159050D010 EU2B15SP159050 2LBAD1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P278164
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: LDA2B159050D010 EU2B15SP159050 2LBAD1MW
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH SPOT OPTIC AND 2in
ADJ spun Refl, Self-Flanged, MW
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1264.8 lumens
Efficiency: N/A
Efficacy: 89.7 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

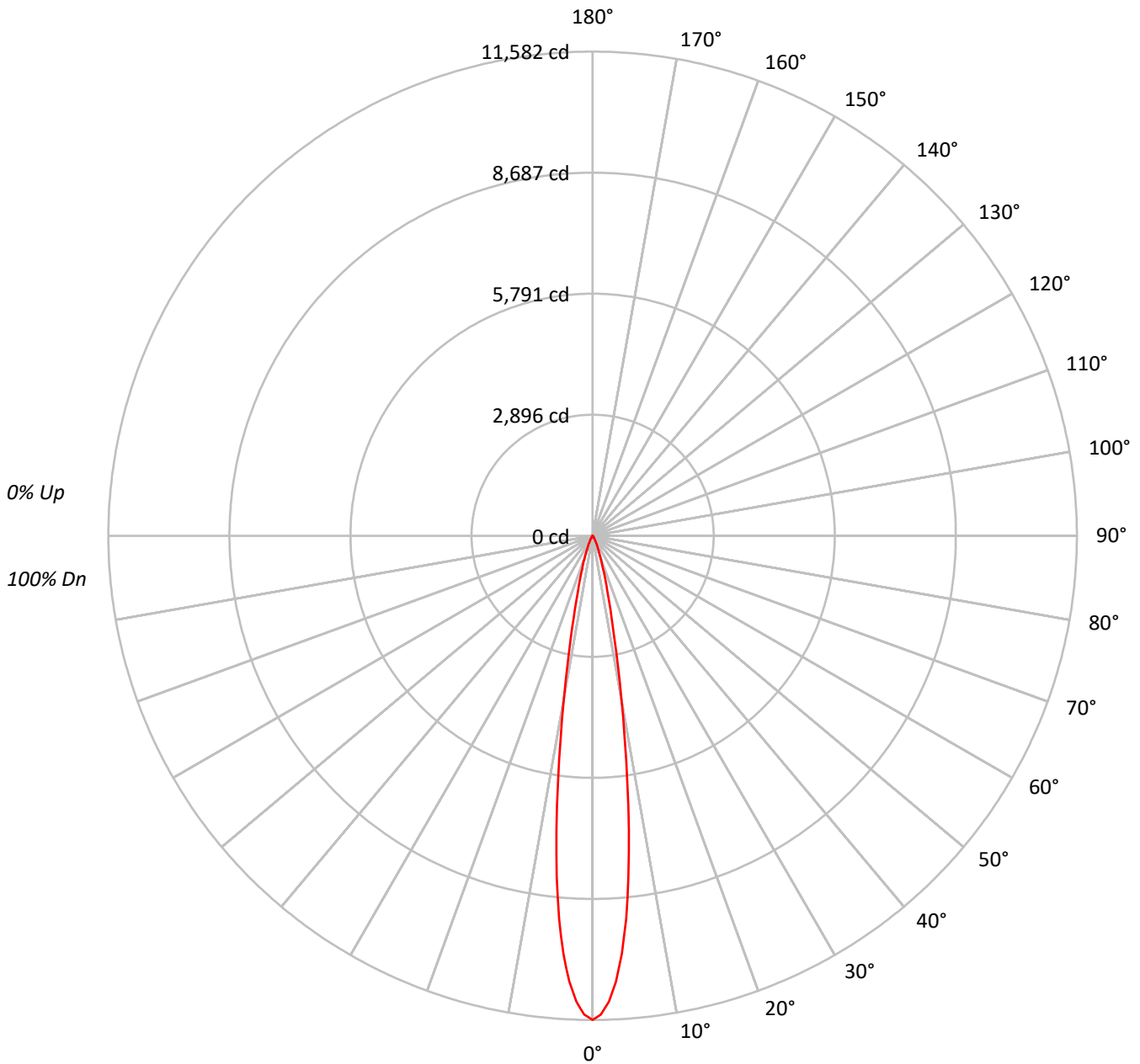
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	0																
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	99	98	98																
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	96	99	98	97																
3	110	105	102	100	108	104	101	99	102	99	98	100	98	96	97	96	95	93	97	96	95																
4	107	102	99	96	105	101	98	96	99	97	95	98	95	94	96	94	93	92	96	94	93																
5	104	99	96	93	103	99	95	93	97	94	92	96	93	91	94	92	91	90	94	92	91																
6	102	97	93	91	101	96	93	91	95	92	90	94	91	89	93	91	89	88	93	91	89																
7	100	95	91	89	99	94	91	88	93	90	88	92	90	88	91	89	87	86	91	89	87																
8	98	93	89	87	97	92	89	87	91	88	86	90	88	86	90	87	86	85	90	87	86																
9	96	91	87	85	95	90	87	85	90	87	85	89	86	84	88	86	84	83	88	86	84																
10	94	89	86	83	94	89	85	83	88	85	83	87	85	83	87	85	83	82	87	85	83																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	5713919
5°	4555474
10°	1977740
15°	683302
20°	280153
25°	126510
30°	50930
35°	23730
40°	12881
45°	4814
50°	2840
55°	2150
60°	1184
65°	700
70°	865
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	695.2	55.0
10°-20°	417.5	33.0
20°-30°	114.9	9.1
30°-40°	27.3	2.2
40°-50°	6.7	0.5
50°-60°	2.2	0.2
60°-70°	0.8	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°	1227.6	97.1
0°-40°	1254.9	99.2
0°-60°	1263.9	99.9
0°-90°	1264.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1264.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11582	
5°	9198	695
15°	1338	417
25°	232	115
35°	39	27
45°	7	7
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11581.6
1°	11453.5
2°	11146.7
3°	10678.7
4°	10018.3
5°	9198.4
6°	8197.4
7°	7100.8
8°	5948.6
9°	4888.8
10°	3947.8
11°	3151.1
12°	2508.2
13°	2022.6
14°	1636.5
15°	1337.8
17.5°	830.4
20°	533.6
22.5°	349.9
25°	232.4
27.5°	149.3
30°	89.4
32.5°	56.2
35°	39.4
37.5°	28.7
40°	20.0
42.5°	11.9
45°	6.9
47.5°	5.0
50°	3.7
52.5°	3.1
55°	2.5
57.5°	1.9
60°	1.2
62.5°	1.2
65°	0.6
67.5°	0.6
70°	0.6
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)