

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: P278172

Luminaire Tested: **LDA2B159727D010 EU2B15SP159727 2LBAD1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P278172
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: LDA2B159727D010 EU2B15SP159727 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: 1001.5 lumens
Efficiency: N/A
Efficacy: 71.0 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

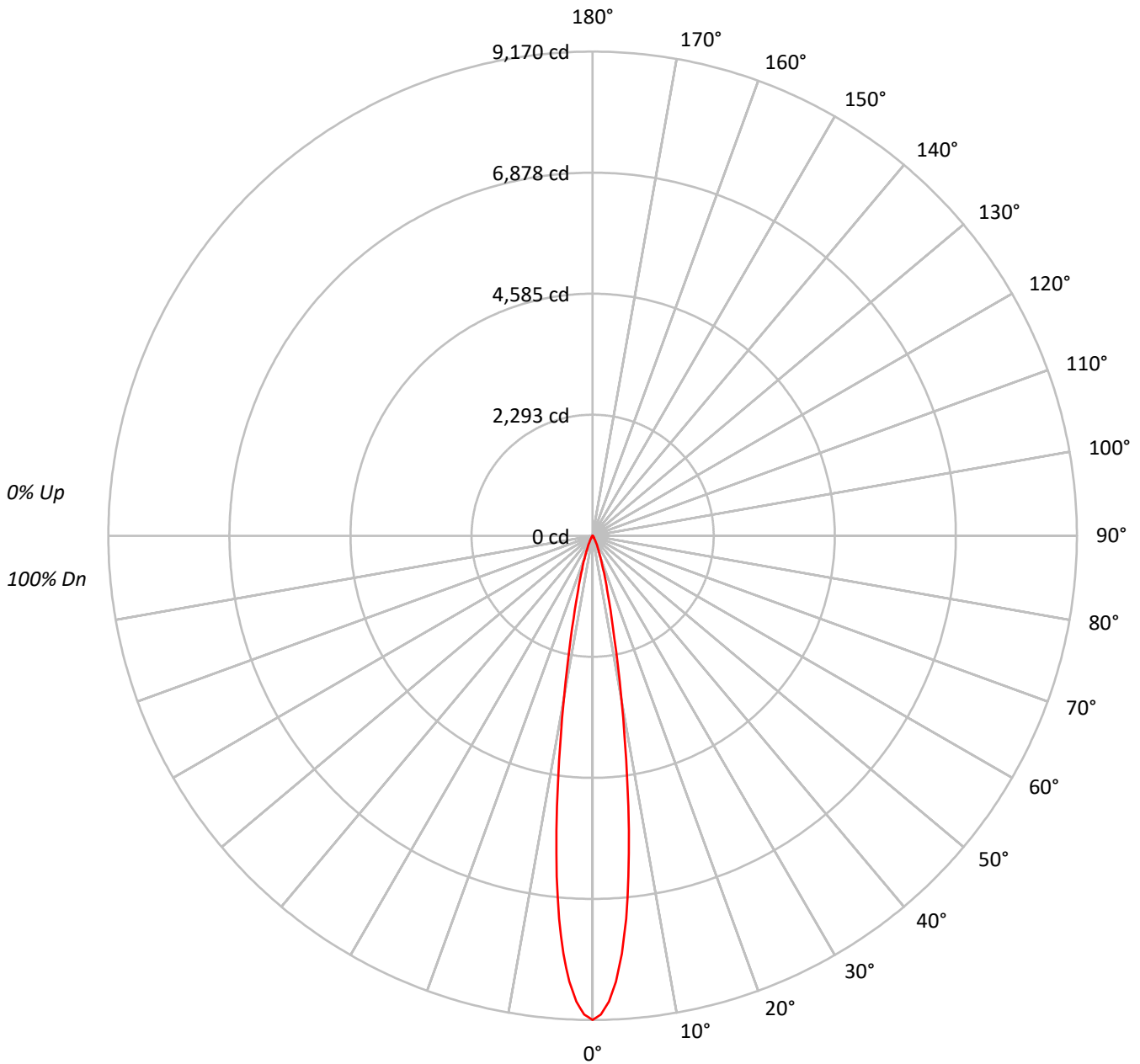
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	98	99	98
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	96	97	98	97
3	109	105	102	100	108	104	101	99	102	99	98	100	98	96	97	96	95	95	97	96	95
4	107	102	99	96	105	101	98	96	99	97	95	98	95	94	96	94	93	93	96	94	93
5	104	99	96	93	103	99	95	93	97	94	92	96	93	91	94	92	91	91	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°	4524128
5°	3606929
10°	1565940
15°	541003
20°	221823
25°	100163
30°	40277
35°	18791
40°	10176
45°	3768
50°	2303
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°	550.4	55.0
10°-20°	330.6	33.0
20°-30°	91.0	9.1
30°-40°	21.6	2.2
40°-50°	5.3	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°	972.0	97.1
0°-40°	993.6	99.2
0°-60°	1000.7	99.9
0°-90°	1001.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1001.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9170	
5°	7283	550
15°	1059	331
25°	184	91
35°	31	22
45°	5	5
55°	2	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9170.0
1°	9068.6
2°	8825.7
3°	8455.1
4°	7932.2
5°	7283.1
6°	6490.5
7°	5622.3
8°	4709.9
9°	3870.9
10°	3125.8
11°	2495.0
12°	1985.9
13°	1601.5
14°	1295.7
15°	1059.2
17.5°	657.5
20°	422.5
22.5°	277.1
25°	184.0
27.5°	118.2
30°	70.7
32.5°	44.5
35°	31.2
37.5°	22.8
40°	15.8
42.5°	9.4
45°	5.4
47.5°	4.0
50°	3.0
52.5°	2.5
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)