

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: P282362

Luminaire Tested: **LDA2B15D2WD010 EU2B15NFL25D2W 2LBAPINSQ1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P282362
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1809-951-26)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B15D2WD010 EU2B15NFL25D2W 2LBAPINSQ1MW
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC AND 2in Adj SQ PinHole, MW
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 987.7 lumens
Efficiency: N/A
Efficacy: 70.1 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.3 / 0.32
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

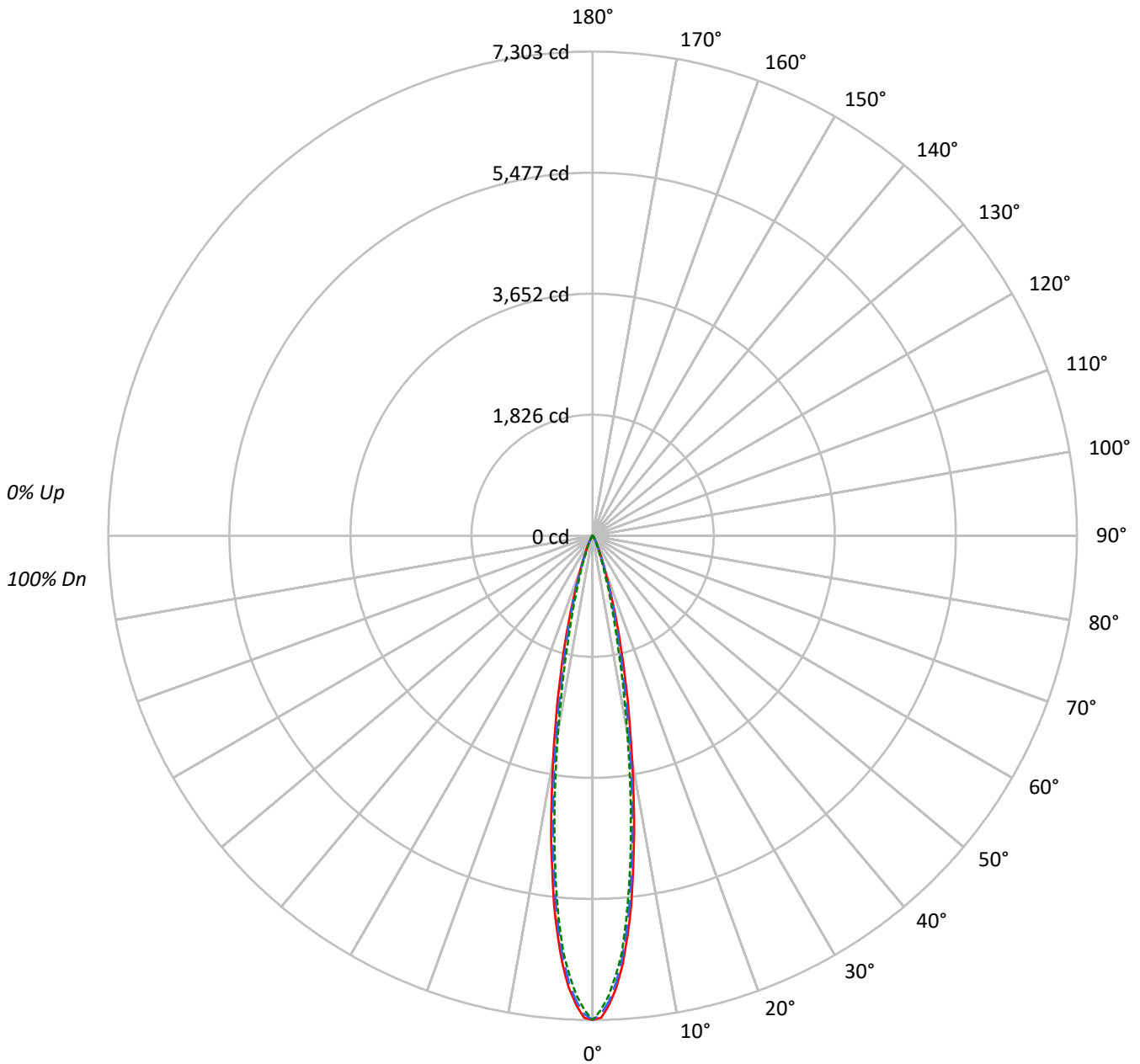
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	100	99	97	97	100													
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	96	95	95	94	92													
2	112	109	106	104	110	107	105	103	104	102	100	101	100	98	99	97	96	95	94	93	92	91	90	88													
3	109	105	101	99	107	103	100	98	101	99	97	99	97	95	97	95	94	93	92	91	90	89	88	86													
4	106	101	98	95	105	100	97	94	98	96	93	96	94	92	95	93	91	90	89	88	87	86	85	83													
5	103	98	94	92	102	97	94	91	96	93	91	94	92	90	93	91	89	88	87	86	85	84	83	81													
6	101	95	92	89	100	95	91	89	93	90	88	92	90	88	91	89	87	86	85	84	83	82	81	79													
7	99	93	89	87	98	92	89	86	91	88	86	90	88	86	89	87	85	84	83	82	81	80	79	77													
8	96	91	87	85	96	90	87	84	89	86	84	88	86	84	88	85	83	82	81	80	79	78	77	75													
9	94	89	85	83	94	88	85	82	87	84	82	87	84	82	86	84	82	81	80	79	78	77	76	74													
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	79	78	77	76	75	74	72													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3603120	3603120	3603120
5°	2998172	2943200	2883770
10°	1717334	1611479	1503970
15°	763799	678399	568482
20°	277108	260517	206440
25°	106369	99347	85520
30°	45860	42669	37884
35°	21682	21682	18008
40°	10884	11271	9081
45°	6279	5861	5512
50°	4298	3914	3914
55°	3355	2408	2925
60°	2763	1677	2269
65°	1985	1284	1985
70°	1587	865	1587
75°	1144	1144	1144
80°	0	0	0
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.0	48.1
10°-20°	384.4	38.9
20°-30°	92.7	9.4
30°-40°	23.6	2.4
40°-50°	7.0	0.7
50°-60°	3.0	0.3
60°-70°	1.5	0.1
70°-80°	0.5	0.1
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°	952.1	96.4
0°-40°	975.7	98.8
0°-60°	985.7	99.8
0°-90°	987.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	987.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7303	7303	7303	7303	7303	
5°	6054	5998	5943	5891	5823	490
15°	1495	1460	1328	1196	1113	426
25°	195	197	182	166	157	101
35°	36	37	36	33	30	25
45°	9	9	8	8	8	8
55°	4	3	3	3	3	3
65°	2	2	1	1	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7303.2	7303.2	7303.2	7303.2	7303.2
1°	7270.5	7219.8	7213.6	7245.1	7152.2
2°	7084.6	7048.6	7027.7	7046.3	6941.0
3°	6829.5	6794.5	6756.8	6757.4	6639.6
4°	6481.9	6454.3	6390.7	6371.5	6303.4
5°	6053.9	5998.1	5942.9	5891.1	5822.9
6°	5580.7	5508.6	5429.8	5352.6	5282.8
7°	5024.2	4976.3	4872.1	4766.8	4707.7
8°	4501.0	4423.8	4302.1	4170.3	4120.2
9°	3938.3	3883.1	3743.4	3590.2	3540.1
10°	3428.0	3370.5	3216.7	3046.1	3002.1
11°	2949.2	2895.1	2735.2	2556.0	2509.3
12°	2544.2	2467.6	2284.0	2128.5	2082.9
13°	2140.9	2088.5	1914.5	1760.7	1672.3
14°	1797.9	1754.5	1596.8	1461.6	1368.1
15°	1495.4	1460.0	1328.2	1196.4	1113.0
16°	1226.8	1204.8	1100.6	973.3	905.1
17°	995.3	975.0	908.5	791.4	733.9
18°	803.8	800.9	745.7	644.4	593.1
19°	661.3	660.1	609.4	524.4	482.1
20°	527.8	535.1	496.2	421.9	393.2
21°	430.3	434.3	403.3	347.0	321.1
22°	350.3	353.2	332.9	286.7	272.6
23°	287.3	288.9	272.1	237.7	225.3
24°	236.6	237.7	222.5	198.3	187.6
25°	195.4	196.6	182.5	165.6	157.1
26°	162.2	163.3	151.0	139.1	130.7
27°	134.6	136.9	124.5	117.2	108.1
28°	114.9	115.5	104.2	99.7	91.2
29°	94.1	97.4	87.9	83.9	77.7
30°	80.5	82.2	74.9	72.1	66.5
32.5°	53.5	54.6	51.3	49.0	44.5
35°	36.0	36.6	36.0	32.7	29.9
37.5°	24.8	24.8	25.3	21.4	20.3
40°	16.9	16.9	17.5	14.6	14.1
42.5°	12.4	12.4	11.8	10.1	10.1
45°	9.0	9.0	8.4	7.9	7.9
47.5°	7.3	6.8	6.2	6.2	6.2
50°	5.6	5.6	5.1	4.5	5.1
52.5°	4.5	4.5	3.9	3.9	3.9
55°	3.9	3.4	2.8	2.8	3.4
57.5°	2.8	2.8	2.3	2.3	2.8
60°	2.8	2.3	1.7	2.3	2.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1.7	1.1	1.1	1.1	1.1
70°	1.1	1.1	0.6	0.6	1.1
72.5°	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.0	0.0	0.6
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0



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— 0°-180° - - 45°-225° - - - - 90°-270°







62.5°	2.3	1.7	1.7	1.7	1.7
65°	1.7	1.7	1.1	1.1	1.7



(END OF REPORT)