

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: P283708

Luminaire Tested: **LDA2B15D2WD010 EU2B15FL40D2W 2LBAPINSQ1MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283708
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1809-951-15)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B15D2WD010 EU2B15FL40D2W 2LBAPINSQ1MMS
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in Adj SQ PinHole, MMS

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 937.2 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.55
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

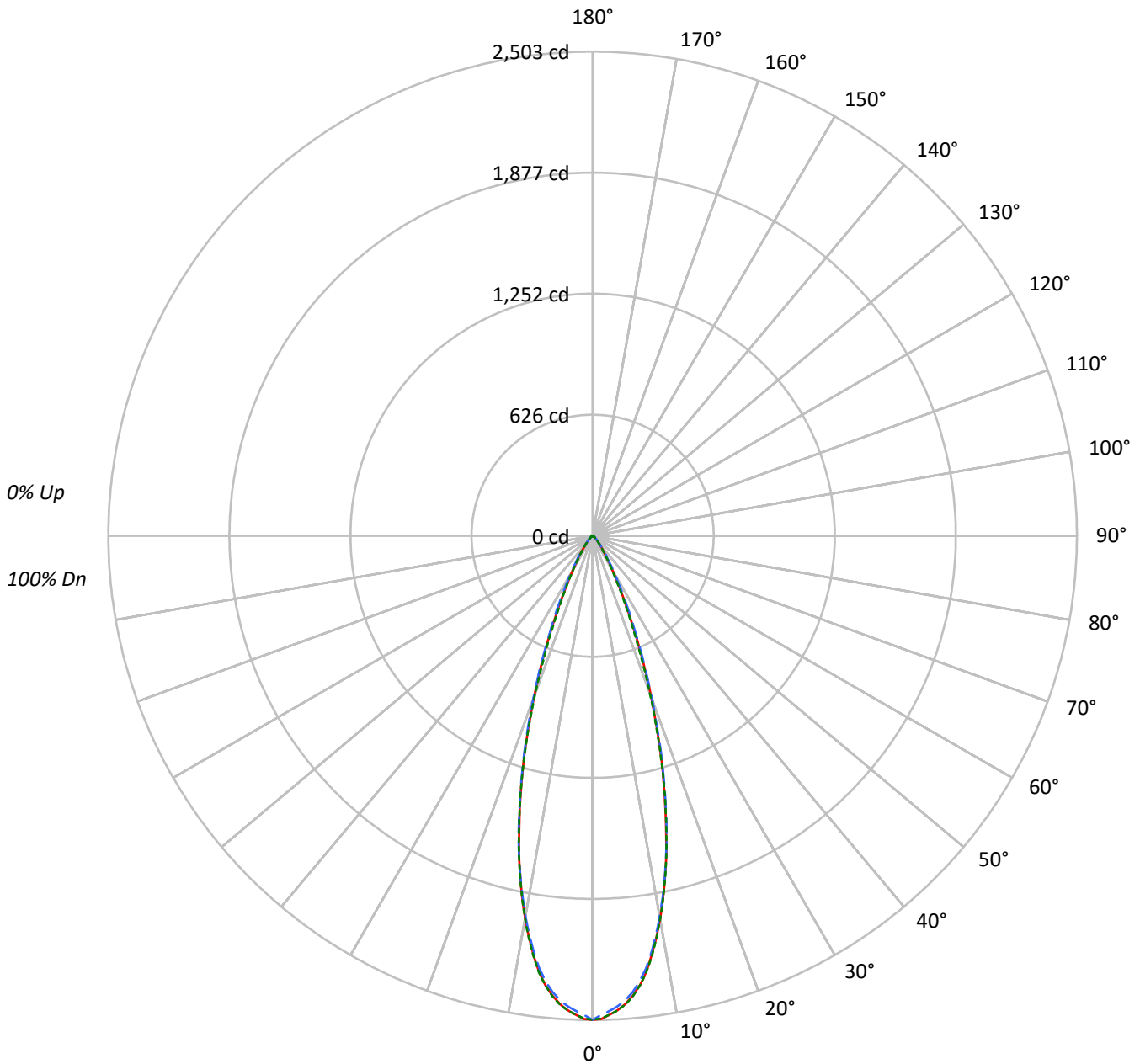
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95																			
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90																			
3	105	100	96	92	104	99	95	92	96	93	90	94	91	89	92	89	88	86																			
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82																			
5	98	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	79																			
6	94	87	82	78	93	86	81	78	84	80	77	83	80	77	82	79	76	75																			
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72																			
8	87	80	75	71	86	79	74	71	78	74	71	77	73	71	76	73	70	69																			
9	84	77	72	69	83	76	72	68	75	71	68	74	71	68	74	70	68	67																			
10	82	74	69	66	81	73	69	66	73	69	66	72	68	65	71	68	65	64																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1234737	1234737	1234737
5°	1181608	1172793	1183441
10°	1006705	1000392	1007757
15°	741989	746842	744390
20°	463177	471735	452991
25°	239248	256722	227272
30°	114735	131483	109323
35°	59204	65528	55410
40°	33168	34907	31493
45°	20164	20164	19466
50°	10515	12895	10515
55°	5419	8602	5849
60°	6216	6216	6216
65°	6771	6771	6771
70°	8366	7645	8366
75°	8006	8006	8006
80°	7387	7387	7387
85°	6227	6227	6227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.3	23.0
10°-20°	395.4	42.2
20°-30°	214.4	22.9
30°-40°	68.8	7.3
40°-50°	23.5	2.5
50°-60°	8.2	0.9
60°-70°	6.0	0.6
70°-80°	4.4	0.5
80°-90°	1.3	0.1
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°	825.0	88.0
0°-40°	893.9	95.4
0°-60°	925.5	98.8
0°-90°	937.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	937.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2503	2503	2503	2503	2503	
5°	2386	2371	2368	2392	2390	216
15°	1453	1465	1462	1469	1457	394
25°	440	460	472	439	418	211
35°	98	102	109	99	92	66
45°	29	29	29	29	28	23
55°	6	8	10	8	7	7
65°	6	6	6	6	6	6
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2502.7	2502.7	2502.7	2502.7	2502.7
1°	2498.5	2480.6	2478.0	2501.1	2495.8
2°	2478.5	2461.7	2459.0	2482.2	2477.4
3°	2456.4	2441.1	2435.9	2460.1	2456.9
4°	2427.0	2412.8	2408.0	2432.2	2429.6
5°	2385.9	2371.2	2368.1	2391.7	2389.6
6°	2335.5	2323.4	2317.6	2341.3	2337.0
7°	2272.4	2261.3	2255.0	2272.4	2274.5
8°	2190.4	2185.1	2177.7	2195.1	2195.1
9°	2103.1	2098.3	2090.5	2106.2	2106.2
10°	2009.5	2006.3	1996.9	2011.6	2011.6
11°	1907.0	1905.4	1898.6	1910.6	1910.6
12°	1799.2	1802.9	1796.6	1807.1	1803.4
13°	1691.4	1689.8	1690.3	1698.2	1692.5
14°	1569.4	1578.9	1580.5	1585.2	1576.3
15°	1452.7	1464.8	1462.2	1469.0	1457.4
16°	1333.4	1347.0	1346.5	1348.1	1337.0
17°	1221.9	1229.8	1230.3	1228.7	1215.1
18°	1103.1	1114.1	1114.1	1111.5	1095.2
19°	986.9	995.3	1001.1	995.3	976.4
20°	882.2	888.0	898.5	883.8	862.8
21°	781.8	787.1	796.0	778.7	755.5
22°	685.6	692.4	700.9	680.9	656.7
23°	595.7	611.5	614.6	587.3	566.8
24°	513.2	531.0	536.3	508.4	486.9
25°	439.5	459.5	471.6	439.0	417.5
26°	375.9	395.4	410.1	377.5	357.0
27°	320.2	340.7	355.9	325.5	306.0
28°	272.3	292.3	308.1	279.7	261.3
29°	236.6	248.2	263.9	240.3	223.5
30°	201.4	214.0	230.8	206.6	191.9
32.5°	138.3	145.1	158.3	143.5	132.0
35°	98.3	102.5	108.8	98.8	92.0
37.5°	69.9	72.0	75.7	69.9	66.2
40°	51.5	52.6	54.2	51.0	48.9
42.5°	38.4	38.9	38.9	37.9	36.8
45°	28.9	29.4	28.9	28.9	27.9
47.5°	21.0	22.6	22.1	22.1	20.5
50°	13.7	16.8	16.8	16.3	13.7
52.5°	8.4	11.6	13.1	11.6	8.9
55°	6.3	7.9	10.0	7.9	6.8
57.5°	6.3	6.3	7.4	6.3	6.3
60°	6.3	6.3	6.3	6.3	6.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	5.8	5.8	5.8	5.8	5.8
70°	5.8	5.8	5.3	5.8	5.8
72.5°	5.3	5.3	4.7	5.3	4.7
75°	4.2	4.2	4.2	4.2	4.2
77.5°	3.2	3.2	3.2	3.2	3.2
80°	2.6	2.6	2.6	2.6	2.6
82.5°	1.6	1.6	1.6	2.1	1.6
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0



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







62.5°	6.3	6.3	6.3	6.3	6.3
65°	5.8	6.3	5.8	6.3	5.8



(END OF REPORT)