

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: P283711

Luminaire Tested: **LDA2B15D2WD010 EU2B15FL40D2W 2LBALPINSQ1MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283711
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 2LBALPINSQ1MMS
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in Adj SQ Pinhole w-lens, MMS

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 874.9 lumens
Efficiency: N/A
Efficacy: 62.1 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

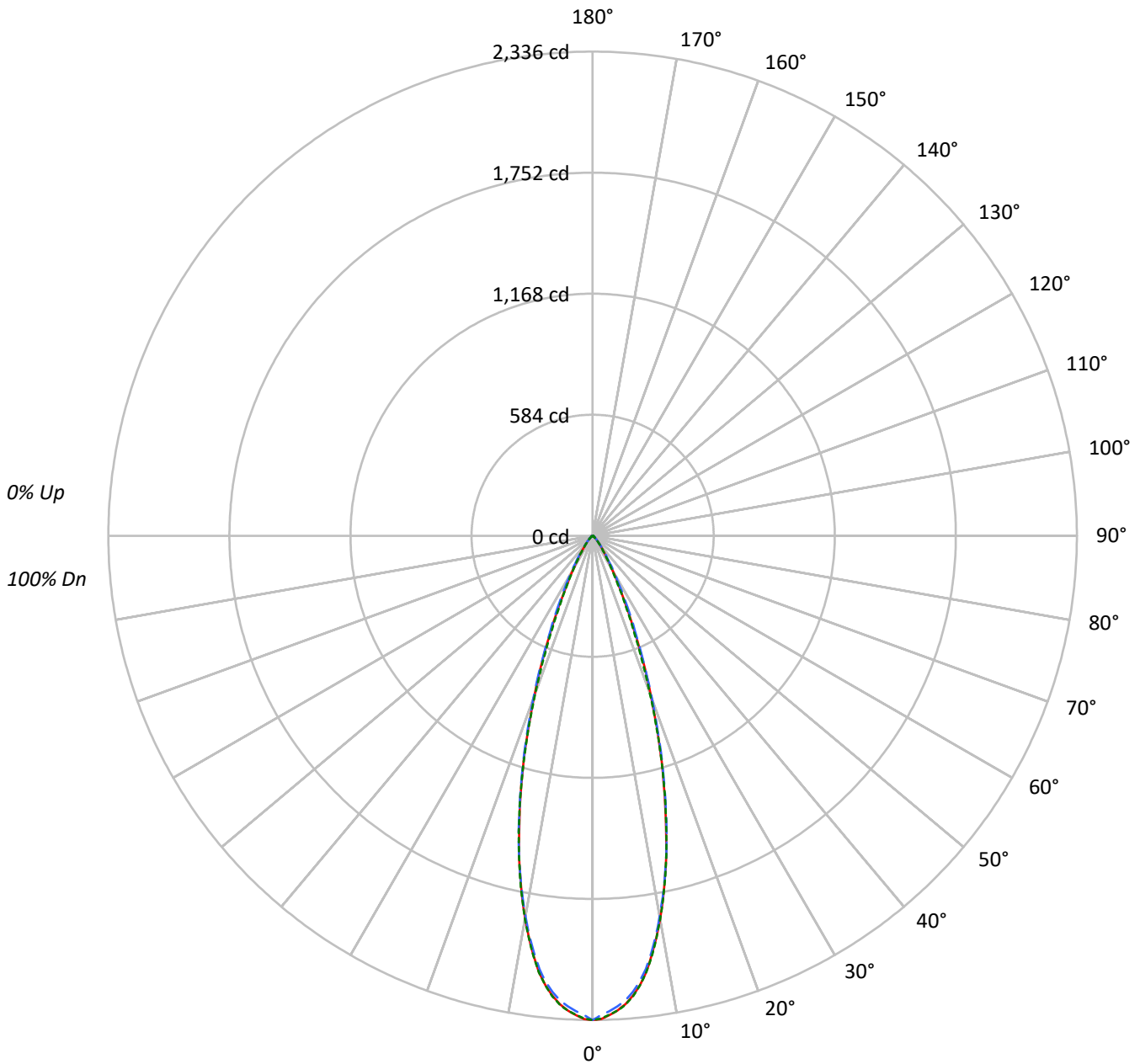
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1152740	1152740	1152740
5°	1103161	1094891	1104845
10°	939875	933963	940827
15°	692700	697246	694999
20°	432463	440443	422907
25°	223407	239684	212139
30°	107101	122767	102088
35°	55290	61192	51736
40°	30978	32588	29368
45°	18838	18838	18141
50°	9824	12050	9824
55°	5075	7999	5505
60°	5822	5822	5822
65°	6304	6304	6304
70°	7789	7068	7789
75°	7434	7434	7434
80°	7103	7103	7103
85°	5661	5661	5661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.0	23.0
10°-20°	369.2	42.2
20°-30°	200.1	22.9
30°-40°	64.2	7.3
40°-50°	21.9	2.5
50°-60°	7.7	0.9
60°-70°	5.6	0.6
70°-80°	4.1	0.5
80°-90°	1.2	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°	770.3	88.0
0°-40°	834.5	95.4
0°-60°	864.1	98.8
0°-90°	874.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	874.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2336	2336	2336	2336	2336	
5°	2228	2214	2211	2233	2231	201
15°	1356	1368	1365	1372	1361	368
25°	410	429	440	410	390	197
35°	92	96	102	92	86	62
45°	27	28	27	27	26	21
55°	6	7	9	7	6	6
65°	5	6	5	6	5	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°	2336.5	2336.5	2336.5	2336.5	2336.5
1°	2332.6	2315.9	2313.4	2335.0	2330.1
2°	2313.9	2298.2	2295.7	2317.3	2312.9
3°	2293.3	2279.1	2274.1	2296.7	2293.8
4°	2265.8	2252.5	2248.1	2270.7	2268.3
5°	2227.5	2213.8	2210.8	2232.9	2230.9
6°	2180.4	2169.1	2163.7	2185.8	2181.9
7°	2121.5	2111.2	2105.3	2121.5	2123.4
8°	2044.9	2040.0	2033.1	2049.3	2049.3
9°	1963.4	1959.0	1951.6	1966.4	1966.4
10°	1876.1	1873.1	1864.3	1878.0	1878.0
11°	1780.3	1778.9	1772.5	1783.8	1783.8
12°	1679.7	1683.1	1677.3	1687.1	1683.6
13°	1579.1	1577.6	1578.1	1585.5	1580.1
14°	1465.2	1474.0	1475.5	1479.9	1471.6
15°	1356.2	1367.5	1365.1	1371.5	1360.7
16°	1244.8	1257.6	1257.1	1258.6	1248.3
17°	1140.8	1148.1	1148.6	1147.1	1134.4
18°	1029.8	1040.1	1040.1	1037.7	1022.5
19°	921.3	929.2	934.6	929.2	911.5
20°	823.7	829.1	838.9	825.1	805.5
21°	729.9	734.8	743.2	727.0	705.4
22°	640.1	646.5	654.3	635.7	613.1
23°	556.1	570.9	573.8	548.3	529.1
24°	479.1	495.8	500.7	474.7	454.5
25°	410.4	429.0	440.3	409.9	389.7
26°	351.0	369.1	382.9	352.4	333.3
27°	298.9	318.1	332.3	303.8	285.7
28°	254.3	272.9	287.6	261.1	244.0
29°	220.9	231.7	246.4	224.3	208.6
30°	188.0	199.8	215.5	192.9	179.2
32.5°	129.1	135.5	147.7	134.0	123.2
35°	91.8	95.7	101.6	92.3	85.9
37.5°	65.3	67.2	70.7	65.3	61.8
40°	48.1	49.1	50.6	47.6	45.6
42.5°	35.8	36.3	36.3	35.3	34.4
45°	27.0	27.5	27.0	27.0	26.0
47.5°	19.6	21.1	20.6	20.6	19.1
50°	12.8	15.7	15.7	15.2	12.8
52.5°	7.9	10.8	12.3	10.8	8.3
55°	5.9	7.4	9.3	7.4	6.4
57.5°	5.9	5.9	6.9	5.9	5.9
60°	5.9	5.9	5.9	5.9	5.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	5.4	5.4	5.4	5.4	5.4
70°	5.4	5.4	4.9	5.4	5.4
72.5°	4.9	4.9	4.4	4.9	4.4
75°	3.9	3.9	3.9	3.9	3.9
77.5°	2.9	2.9	2.9	2.9	2.9
80°	2.5	2.5	2.5	2.5	2.5
82.5°	1.5	1.5	1.5	2.0	1.5
85°	1.0	1.0	1.0	1.0	1.0
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°	5.9	5.9	5.9	5.9	5.9
65°	5.4	5.9	5.4	5.9	5.4



(END OF REPORT)