

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: P283709

Luminaire Tested: **LDA2B15D2WD010 EU2B15FL40D2W 2LBALPINSQ1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283709
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 2LBALPINSQ1MW
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in Adj SQ Pinhole w-lens, MW

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 894.5 lumens
Efficiency: N/A
Efficacy: 63.4 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

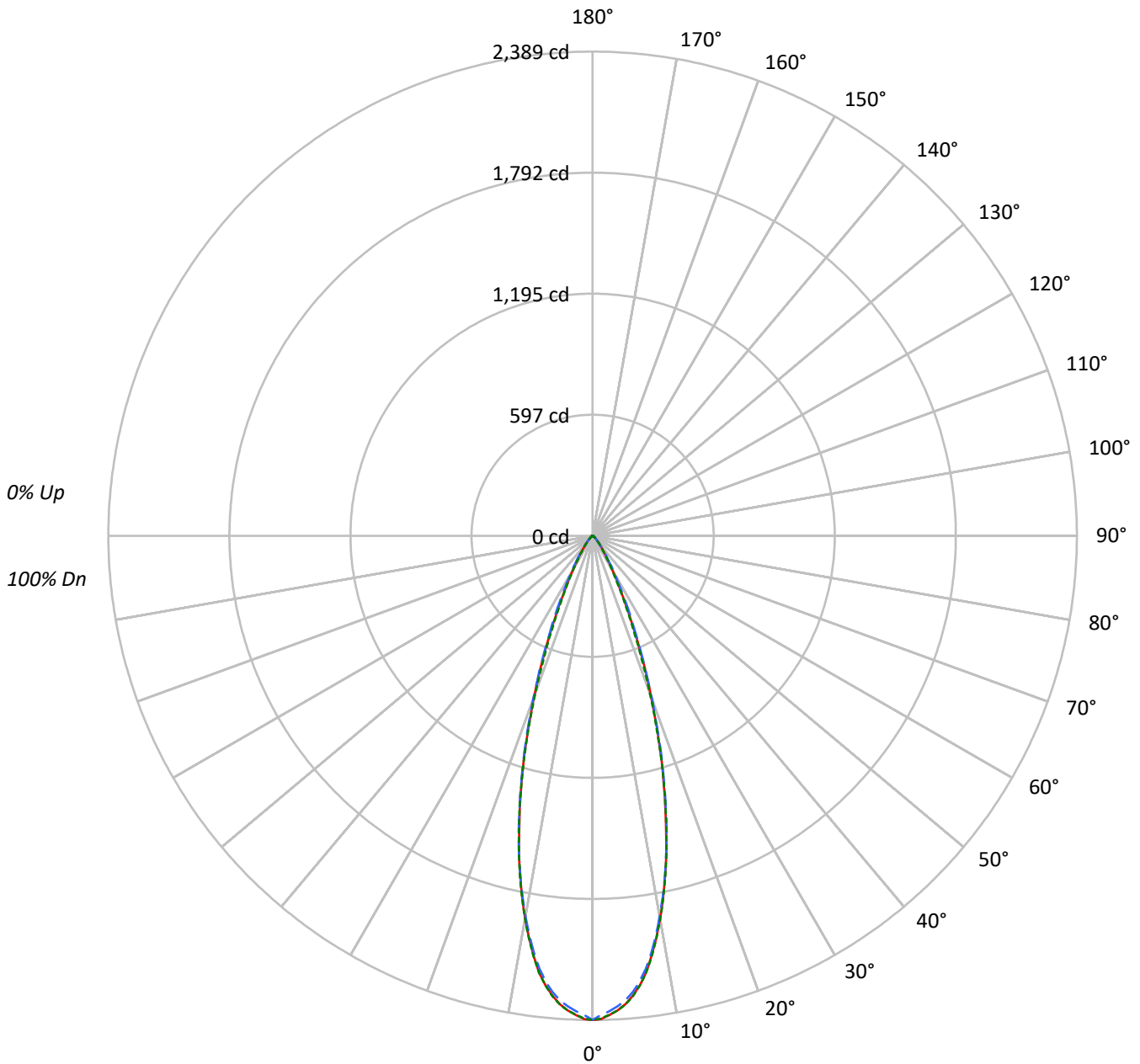
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	75	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°	1178641	1178641	1178641
5°	1127973	1119504	1129706
10°	961016	954954	962018
15°	708279	712927	710628
20°	442176	450314	432410
25°	228415	245073	216929
30°	109493	125502	104366
35°	56554	62577	52880
40°	31687	33297	30077
45°	19257	19257	18559
50°	9978	12357	9978
55°	5161	8171	5591
60°	5920	5920	5920
65°	6421	6421	6421
70°	7934	7212	7934
75°	7625	7625	7625
80°	7103	7103	7103
85°	5661	5661	5661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.5	23.0
10°-20°	377.5	42.2
20°-30°	204.6	22.9
30°-40°	65.7	7.3
40°-50°	22.4	2.5
50°-60°	7.8	0.9
60°-70°	5.7	0.6
70°-80°	4.2	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°	787.6	88.0
0°-40°	853.3	95.4
0°-60°	883.5	98.8
0°-90°	894.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	894.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2389	2389	2389	2389	2389	
5°	2278	2264	2260	2283	2281	206
15°	1387	1398	1396	1402	1391	376
25°	420	439	450	419	398	201
35°	94	98	104	94	88	63
45°	28	28	28	28	27	22
55°	6	8	10	8	6	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°	2389.0	2389.0	2389.0	2389.0	2389.0
1°	2385.0	2368.0	2365.4	2387.5	2382.5
2°	2365.9	2349.9	2347.4	2369.5	2364.9
3°	2344.9	2330.3	2325.3	2348.4	2345.4
4°	2316.8	2303.2	2298.7	2321.8	2319.3
5°	2277.6	2263.6	2260.5	2283.1	2281.1
6°	2229.4	2217.9	2212.4	2235.0	2230.9
7°	2169.2	2158.7	2152.6	2169.2	2171.2
8°	2090.9	2085.9	2078.9	2095.4	2095.4
9°	2007.6	2003.1	1995.5	2010.6	2010.6
10°	1918.3	1915.2	1906.2	1920.3	1920.3
11°	1820.4	1818.9	1812.4	1823.9	1823.9
12°	1717.5	1721.0	1715.0	1725.0	1721.5
13°	1614.6	1613.1	1613.6	1621.1	1615.6
14°	1498.2	1507.2	1508.7	1513.2	1504.7
15°	1386.7	1398.3	1395.8	1402.3	1391.3
16°	1272.8	1285.9	1285.4	1286.9	1276.3
17°	1166.4	1173.9	1174.4	1172.9	1159.9
18°	1053.0	1063.5	1063.5	1061.0	1045.5
19°	942.1	950.1	955.6	950.1	932.0
20°	842.2	847.7	857.7	843.7	823.6
21°	746.3	751.3	759.9	743.3	721.2
22°	654.5	661.0	669.0	650.0	626.9
23°	568.7	583.7	586.7	560.6	541.0
24°	489.9	506.9	511.9	485.3	464.8
25°	419.6	438.7	450.2	419.1	398.5
26°	358.9	377.4	391.5	360.4	340.8
27°	305.7	325.2	339.8	310.7	292.1
28°	260.0	279.1	294.1	267.0	249.4
29°	225.9	236.9	252.0	229.4	213.3
30°	192.2	204.3	220.3	197.2	183.2
32.5°	132.0	138.5	151.1	137.0	126.0
35°	93.9	97.9	103.9	94.4	87.8
37.5°	66.8	68.8	72.3	66.8	63.2
40°	49.2	50.2	51.7	48.7	46.7
42.5°	36.6	37.1	37.1	36.1	35.1
45°	27.6	28.1	27.6	27.6	26.6
47.5°	20.1	21.6	21.1	21.1	19.6
50°	13.0	16.1	16.1	15.6	13.0
52.5°	8.0	11.0	12.5	11.0	8.5
55°	6.0	7.5	9.5	7.5	6.5
57.5°	6.0	6.0	7.0	6.0	6.0
60°	6.0	6.0	6.0	6.0	6.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	5.5	5.5	5.5	5.5	5.5
70°	5.5	5.5	5.0	5.5	5.5
72.5°	5.0	5.0	4.5	5.0	4.5
75°	4.0	4.0	4.0	4.0	4.0
77.5°	3.0	3.0	3.0	3.0	3.0
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°	6.0	6.0	6.0	6.0	6.0
65°	5.5	6.0	5.5	6.0	5.5



(END OF REPORT)