

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: P283958

Luminaire Tested: **LDA2B10D2WD010 EU2B10WFL55D2W 2LBAPINSQ1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283958
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1809-951-61)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B10D2WD010 EU2B10WFL55D2W 2LBAPINSQ1MW
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ PinHole, MW

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 745.5 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.68
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

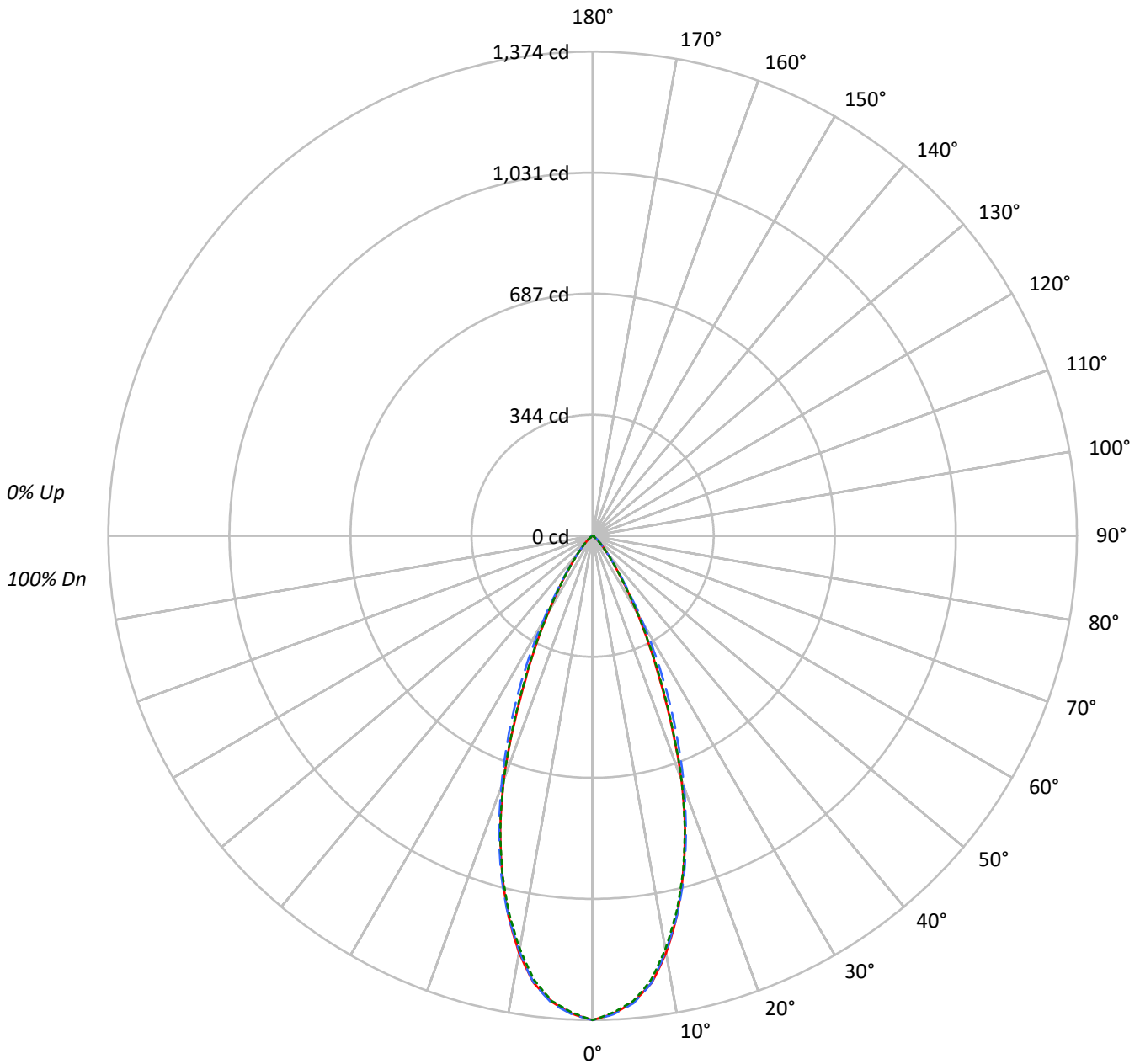
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94																			
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89																			
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84																			
4	100	93	88	84	98	92	87	83	90	86	82	88	84	81	86	83	81	79																			
5	95	88	82	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75																			
6	91	83	78	74	90	82	77	74	81	77	73	80	76	73	78	75	72	71																			
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	67																			
8	84	75	70	66	83	75	70	66	74	69	66	73	69	66	72	68	65	64																			
9	81	72	67	63	80	71	66	63	71	66	63	70	66	63	69	65	62	61																			
10	77	69	64	60	76	68	63	60	68	63	60	67	63	60	66	62	60	58																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	678076	678076	678076
5°	657687	659272	656300
10°	602019	599614	596007
15°	506373	511072	505556
20°	387258	397549	386628
25°	245889	277245	250680
30°	143048	161449	145555
35°	75587	80405	75827
40°	39930	41734	39930
45°	22327	23164	22606
50°	10438	13202	10438
55°	3785	7225	4129
60°	4342	4342	4342
65°	4670	5137	4670
70°	5770	5193	5770
75°	5337	5337	5337
80°	5682	4546	5682
85°	4529	4529	4529



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.7	16.5
10°-20°	273.2	36.6
20°-30°	220.6	29.6
30°-40°	87.2	11.7
40°-50°	26.8	3.6
50°-60°	6.9	0.9
60°-70°	4.2	0.6
70°-80°	3.1	0.4
80°-90°	0.9	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°	616.5	82.7
0°-40°	703.6	94.4
0°-60°	737.3	98.9
0°-90°	745.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	745.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1374	1374	1374	1374	1374	
5°	1328	1330	1331	1328	1325	123
15°	991	994	1001	997	990	272
25°	452	473	509	482	460	210
35°	126	129	134	130	126	84
45°	32	32	33	33	32	26
55°	4	6	8	6	5	6
65°	4	4	4	4	4	4
75°	3	3	3	3	3	3
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°	1374.4	1374.4	1374.4	1374.4	1374.4
2.5°	1357.2	1358.0	1359.2	1357.6	1353.6
5°	1328.0	1330.4	1331.2	1328.4	1325.2
7.5°	1280.1	1277.3	1279.7	1274.9	1270.9
10°	1201.7	1198.1	1196.9	1189.7	1189.7
12.5°	1105.0	1103.8	1104.6	1101.0	1095.4
15°	991.4	994.2	1000.6	996.6	989.8
17.5°	871.1	875.1	880.7	879.5	870.3
20°	737.6	749.2	757.2	749.6	736.4
22.5°	585.7	610.4	630.8	614.8	593.3
25°	451.7	473.3	509.3	482.1	460.5
27.5°	342.6	358.2	391.0	364.2	349.4
30°	251.1	260.6	283.4	265.8	255.5
32.5°	179.5	186.3	195.9	185.5	180.3
35°	125.5	129.1	133.5	129.5	125.9
37.5°	88.3	89.5	92.7	89.5	87.9
40°	62.0	62.4	64.8	62.8	62.0
42.5°	44.8	44.8	46.0	45.2	44.8
45°	32.0	32.4	33.2	32.8	32.4
47.5°	22.8	23.6	23.6	24.0	22.4
50°	13.6	16.8	17.2	16.8	13.6
52.5°	7.2	10.0	12.4	10.0	7.2
55°	4.4	6.0	8.4	6.0	4.8
57.5°	4.4	4.4	5.6	4.8	4.4
60°	4.4	4.4	4.4	4.4	4.4
62.5°	4.4	4.4	4.4	4.4	4.4
65°	4.0	4.4	4.4	4.4	4.0
67.5°	4.0	4.0	4.0	4.0	4.0
70°	4.0	4.0	3.6	4.0	4.0
72.5°	3.6	3.6	3.2	3.6	3.6
75°	2.8	2.8	2.8	2.8	2.8
77.5°	2.4	2.4	2.4	2.4	2.4
80°	2.0	2.0	1.6	2.0	2.0
82.5°	1.2	1.2	1.2	1.2	1.2
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0



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







(END OF REPORT)