

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: P284042

Luminaire Tested: **LDA2B15D2WD010 EU2B15WFL55D2W 2LBAPINSQ1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P284042
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: LDA2B15D2WD010 EU2B15WFL55D2W 2LBAPINSQ1MW
Description: PORTFOLIO 2IN ADJ 1500 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: 992.0 lumens
Efficiency: N/A
Efficacy: 70.4 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

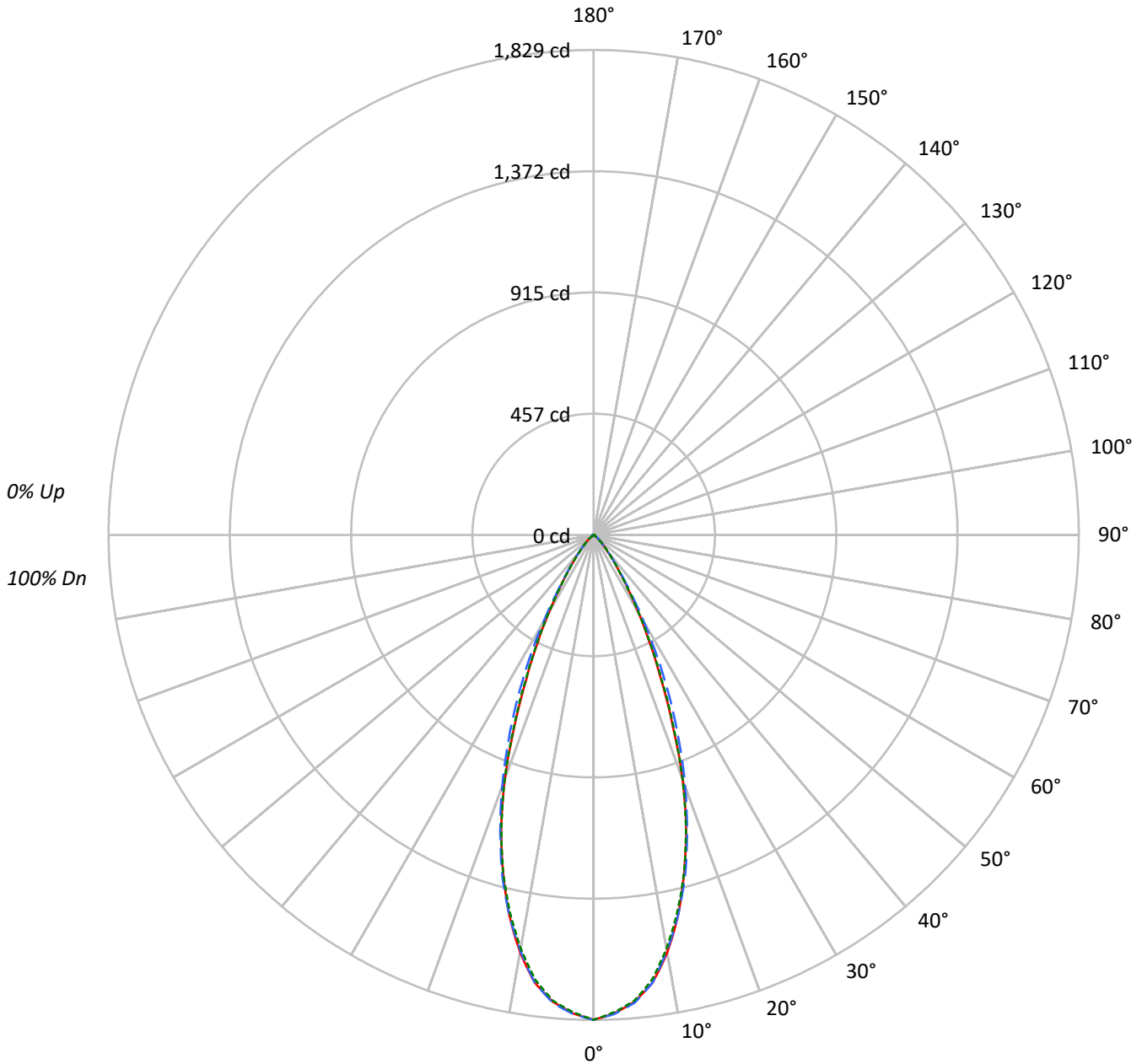
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	902260	902260	902260
5°	875150	877230	873268
10°	801055	797849	793040
15°	673802	680033	672730
20°	515259	528962	514419
25°	327218	368916	333587
30°	190332	214828	193636
35°	100581	107026	100943
40°	53069	55516	53069
45°	29723	30839	30072
50°	13892	17577	13892
55°	5075	9634	5505
60°	5822	5822	5822
65°	6187	6888	6187
70°	7645	6924	7645
75°	7053	7053	7053
80°	7671	5966	7671
85°	6227	6227	6227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.2	16.5
10°-20°	363.5	36.6
20°-30°	293.5	29.6
30°-40°	116.0	11.7
40°-50°	35.6	3.6
50°-60°	9.2	0.9
60°-70°	5.6	0.6
70°-80°	4.1	0.4
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°	820.3	82.7
0°-40°	936.3	94.4
0°-60°	981.1	98.9
0°-90°	992.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	992.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1829	1829	1829	1829	1829	
5°	1767	1770	1771	1768	1763	164
15°	1319	1323	1331	1326	1317	362
25°	601	630	678	642	613	280
35°	167	172	178	172	168	112
45°	43	43	44	44	43	35
55°	6	8	11	8	6	7
65°	5	6	6	6	5	5
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°	1828.8	1828.8	1828.8	1828.8	1828.8
2.5°	1805.9	1807.0	1808.6	1806.4	1801.1
5°	1767.1	1770.3	1771.3	1767.6	1763.3
7.5°	1703.2	1699.5	1702.7	1696.3	1691.0
10°	1599.0	1594.2	1592.6	1583.0	1583.0
12.5°	1470.3	1468.7	1469.7	1464.9	1457.5
15°	1319.2	1322.9	1331.4	1326.1	1317.1
17.5°	1159.1	1164.4	1171.8	1170.2	1158.0
20°	981.4	996.8	1007.5	997.4	979.8
22.5°	779.3	812.3	839.4	818.1	789.4
25°	601.1	629.8	677.7	641.5	612.8
27.5°	455.9	476.6	520.2	484.6	464.9
30°	334.1	346.8	377.1	353.7	339.9
32.5°	238.8	247.9	260.6	246.8	239.9
35°	167.0	171.8	177.7	172.3	167.6
37.5°	117.6	119.2	123.4	119.2	117.0
40°	82.4	83.0	86.2	83.5	82.4
42.5°	59.6	59.6	61.2	60.1	59.6
45°	42.6	43.1	44.2	43.6	43.1
47.5°	30.3	31.4	31.4	31.9	29.8
50°	18.1	22.3	22.9	22.3	18.1
52.5°	9.6	13.3	16.5	13.3	9.6
55°	5.9	8.0	11.2	8.0	6.4
57.5°	5.9	5.9	7.4	6.4	5.9
60°	5.9	5.9	5.9	5.9	5.9
62.5°	5.9	5.9	5.9	5.9	5.9
65°	5.3	5.9	5.9	5.9	5.3
67.5°	5.3	5.3	5.3	5.3	5.3
70°	5.3	5.3	4.8	5.3	5.3
72.5°	4.8	4.8	4.3	4.8	4.8
75°	3.7	3.7	3.7	3.7	3.7
77.5°	3.2	3.2	3.2	3.2	3.2
80°	2.7	2.7	2.1	2.7	2.7
82.5°	1.6	1.6	1.6	1.6	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°







(END OF REPORT)