

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: P284047

Luminaire Tested: **LDA2B15D2WD010 EU2B15WFL55D2W 2LBALPINSQ1MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P284047
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 2LBALPINSQ1MMS
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ Pinhole w-lens, MMS

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 910.0 lumens
Efficiency: N/A
Efficacy: 64.5 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

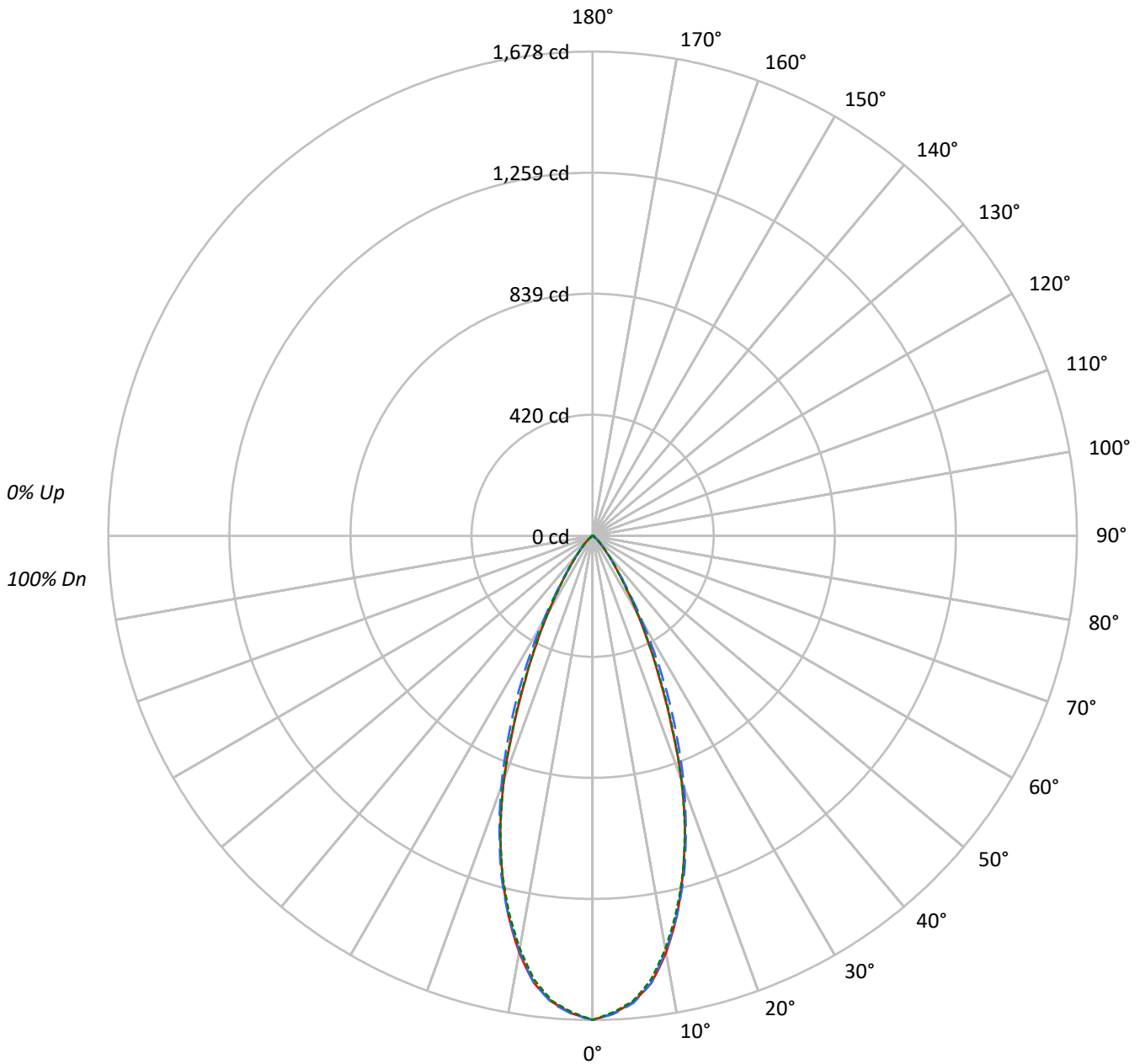
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94					94			
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89					89			
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84					84			
4	100	93	88	84	98	92	87	83	90	86	82	88	84	81	86	83	81	79					79			
5	95	88	82	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75					75			
6	91	83	78	74	90	82	77	74	81	77	73	80	76	73	78	75	72	71					71			
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	67					67			
8	84	75	70	66	83	75	70	66	74	69	66	73	69	66	72	68	65	64					64			
9	81	72	67	63	80	71	66	63	71	66	63	70	66	63	69	65	62	61					61			
10	77	69	64	60	76	68	63	60	68	63	60	67	63	60	66	62	60	58					58			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	827762	827762	827762
5°	802893	804825	801160
10°	734877	731971	727563
15°	618180	623900	617158
20°	472732	485280	471945
25°	300163	338431	306042
30°	174608	197111	177628
35°	92270	98172	92571
40°	48689	50943	48689
45°	27211	28258	27560
50°	12741	16118	12741
55°	4645	8774	5075
60°	5328	5328	5328
65°	5720	6304	5720
70°	7068	6347	7068
75°	6481	6481	6481
80°	6819	5682	6819
85°	5661	5661	5661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.8	16.5
10°-20°	333.5	36.6
20°-30°	269.3	29.6
30°-40°	106.4	11.7
40°-50°	32.7	3.6
50°-60°	8.4	0.9
60°-70°	5.1	0.6
70°-80°	3.7	0.4
80°-90°	1.1	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°	752.5	82.7
0°-40°	859.0	94.4
0°-60°	900.1	98.9
0°-90°	910.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	910.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1678	1678	1678	1678	1678	
5°	1621	1624	1625	1622	1618	150
15°	1210	1214	1222	1217	1208	332
25°	551	578	622	588	562	257
35°	153	158	163	158	154	103
45°	39	40	40	40	40	32
55°	5	7	10	7	6	7
65°	5	5	5	5	5	5
75°	3	3	3	3	3	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°	1677.8	1677.8	1677.8	1677.8	1677.8
2.5°	1656.8	1657.8	1659.2	1657.3	1652.4
5°	1621.2	1624.1	1625.1	1621.6	1617.7
7.5°	1562.6	1559.2	1562.1	1556.3	1551.4
10°	1466.9	1462.6	1461.1	1452.3	1452.3
12.5°	1348.8	1347.4	1348.4	1344.0	1337.1
15°	1210.3	1213.7	1221.5	1216.6	1208.3
17.5°	1063.4	1068.2	1075.1	1073.6	1062.4
20°	900.4	914.5	924.3	915.0	898.9
22.5°	714.9	745.2	770.1	750.6	724.2
25°	551.4	577.8	621.7	588.5	562.2
27.5°	418.2	437.3	477.3	444.6	426.5
30°	306.5	318.2	346.0	324.5	311.8
32.5°	219.1	227.4	239.1	226.4	220.1
35°	153.2	157.6	163.0	158.1	153.7
37.5°	107.8	109.3	113.2	109.3	107.4
40°	75.6	76.1	79.1	76.6	75.6
42.5°	54.7	54.7	56.1	55.1	54.7
45°	39.0	39.5	40.5	40.0	39.5
47.5°	27.8	28.8	28.8	29.3	27.3
50°	16.6	20.5	21.0	20.5	16.6
52.5°	8.8	12.2	15.1	12.2	8.8
55°	5.4	7.3	10.2	7.3	5.9
57.5°	5.4	5.4	6.8	5.9	5.4
60°	5.4	5.4	5.4	5.4	5.4
62.5°	5.4	5.4	5.4	5.4	5.4
65°	4.9	5.4	5.4	5.4	4.9
67.5°	4.9	4.9	4.9	4.9	4.9
70°	4.9	4.9	4.4	4.9	4.9
72.5°	4.4	4.4	3.9	4.4	4.4
75°	3.4	3.4	3.4	3.4	3.4
77.5°	2.9	2.9	2.9	2.9	2.9
80°	2.4	2.4	2.0	2.4	2.4
82.5°	1.5	1.5	1.5	1.5	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°







(END OF REPORT)