

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: P284043

Luminaire Tested: **LDA2B15D2WD010 EU2B15WFL55D2W 2LBAPINSQ1MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P284043
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 2LBAPINSQ1MB
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND 2in Adj SQ PinHole, MB

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 963.8 lumens
Efficiency: N/A
Efficacy: 68.4 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

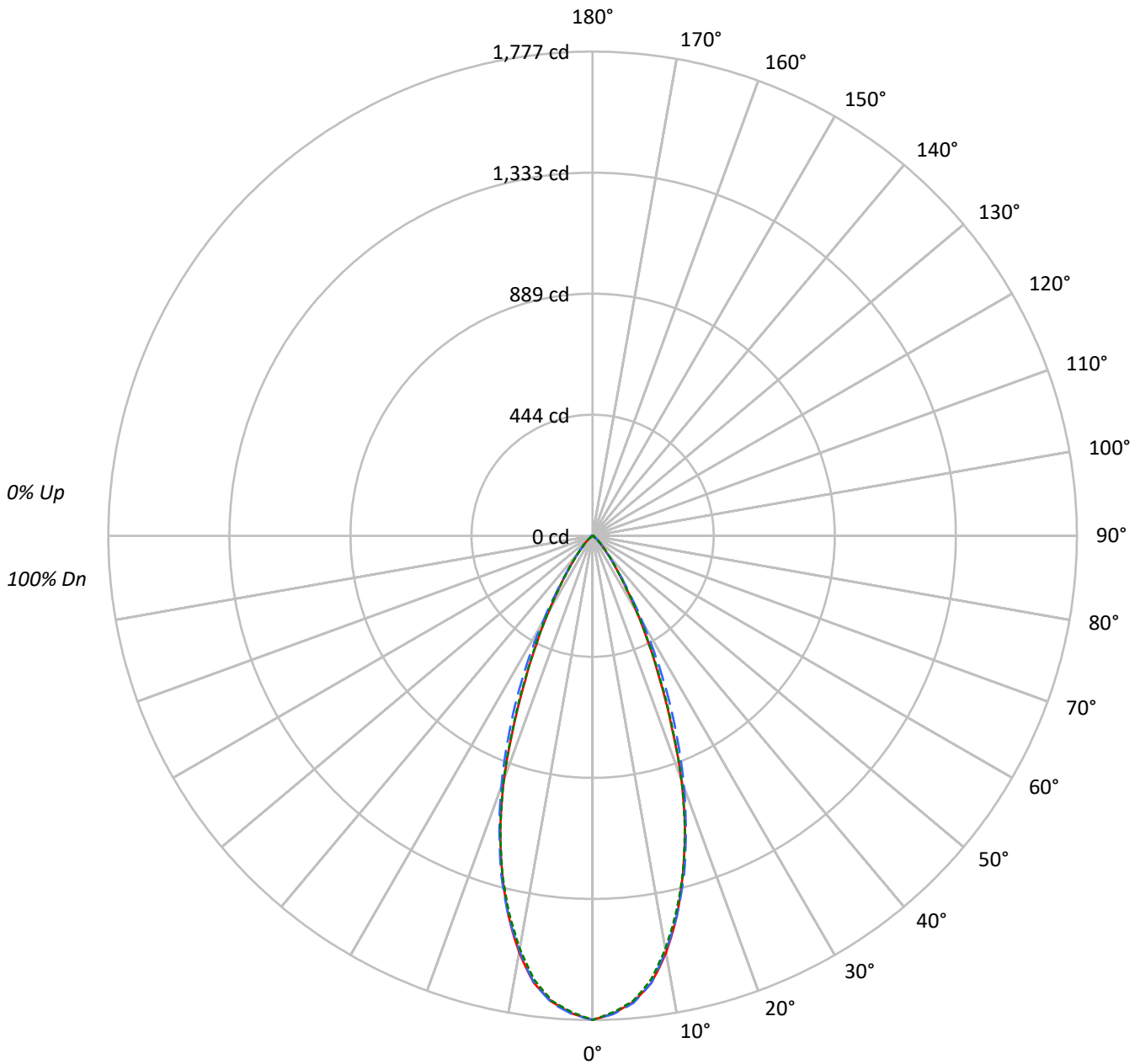
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	876605	876605	876605
5°	850288	852319	848456
10°	778261	775155	770496
15°	654648	660727	653576
20°	500611	513894	499823
25°	317909	358410	324115
30°	184920	208733	188110
35°	97751	103954	98052
40°	51587	53906	51587
45°	28816	29932	29234
50°	13509	17039	13509
55°	4903	9376	5333
60°	5624	5624	5624
65°	6070	6654	6070
70°	7501	6780	7501
75°	6862	6862	6862
80°	7387	5966	7387
85°	5661	5661	5661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.6	16.5
10°-20°	353.1	36.6
20°-30°	285.2	29.6
30°-40°	112.7	11.7
40°-50°	34.6	3.6
50°-60°	8.9	0.9
60°-70°	5.4	0.6
70°-80°	4.0	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°	796.9	82.7
0°-40°	909.7	94.4
0°-60°	953.2	98.9
0°-90°	963.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	963.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1777	1777	1777	1777	1777	
5°	1717	1720	1721	1717	1713	159
15°	1282	1285	1294	1288	1280	352
25°	584	612	658	623	595	272
35°	162	167	173	167	163	109
45°	41	42	43	42	42	34
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°	1776.8	1776.8	1776.8	1776.8	1776.8
2.5°	1754.6	1755.6	1757.2	1755.1	1749.9
5°	1716.9	1720.0	1721.0	1717.4	1713.2
7.5°	1654.8	1651.2	1654.3	1648.1	1642.9
10°	1553.5	1548.9	1547.3	1538.0	1538.0
12.5°	1428.5	1426.9	1428.0	1423.3	1416.1
15°	1281.7	1285.3	1293.6	1288.4	1279.6
17.5°	1126.1	1131.3	1138.5	1137.0	1125.1
20°	953.5	968.5	978.8	969.0	952.0
22.5°	757.1	789.2	815.5	794.9	767.0
25°	584.0	611.9	658.4	623.3	595.4
27.5°	442.9	463.1	505.4	470.8	451.7
30°	324.6	337.0	366.4	343.7	330.2
32.5°	232.0	240.8	253.2	239.8	233.1
35°	162.3	166.9	172.6	167.4	162.8
37.5°	114.2	115.8	119.9	115.8	113.7
40°	80.1	80.6	83.7	81.1	80.1
42.5°	57.9	57.9	59.4	58.4	57.9
45°	41.3	41.9	42.9	42.4	41.9
47.5°	29.5	30.5	30.5	31.0	28.9
50°	17.6	21.7	22.2	21.7	17.6
52.5°	9.3	12.9	16.0	12.9	9.3
55°	5.7	7.8	10.9	7.8	6.2
57.5°	5.7	5.7	7.2	6.2	5.7
60°	5.7	5.7	5.7	5.7	5.7
62.5°	5.7	5.7	5.7	5.7	5.7
65°	5.2	5.7	5.7	5.7	5.2
67.5°	5.2	5.2	5.2	5.2	5.2
70°	5.2	5.2	4.7	5.2	5.2
72.5°	4.7	4.7	4.1	4.7	4.7
75°	3.6	3.6	3.6	3.6	3.6
77.5°	3.1	3.1	3.1	3.1	3.1
80°	2.6	2.6	2.1	2.6	2.6
82.5°	1.6	1.6	1.6	1.6	1.6
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)