

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: P283876

Luminaire Tested: **LDA2B05D2WD010 EU2B05WFL55D2W 2LBAPINSQ1MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283876
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: LDA2B05D2WD010 EU2B05WFL55D2W 2LBAPINSQ1MMS
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND 2in Adj SQ PinHole, MMS

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 543.4 lumens
Efficiency: N/A
Efficacy: 77.6 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

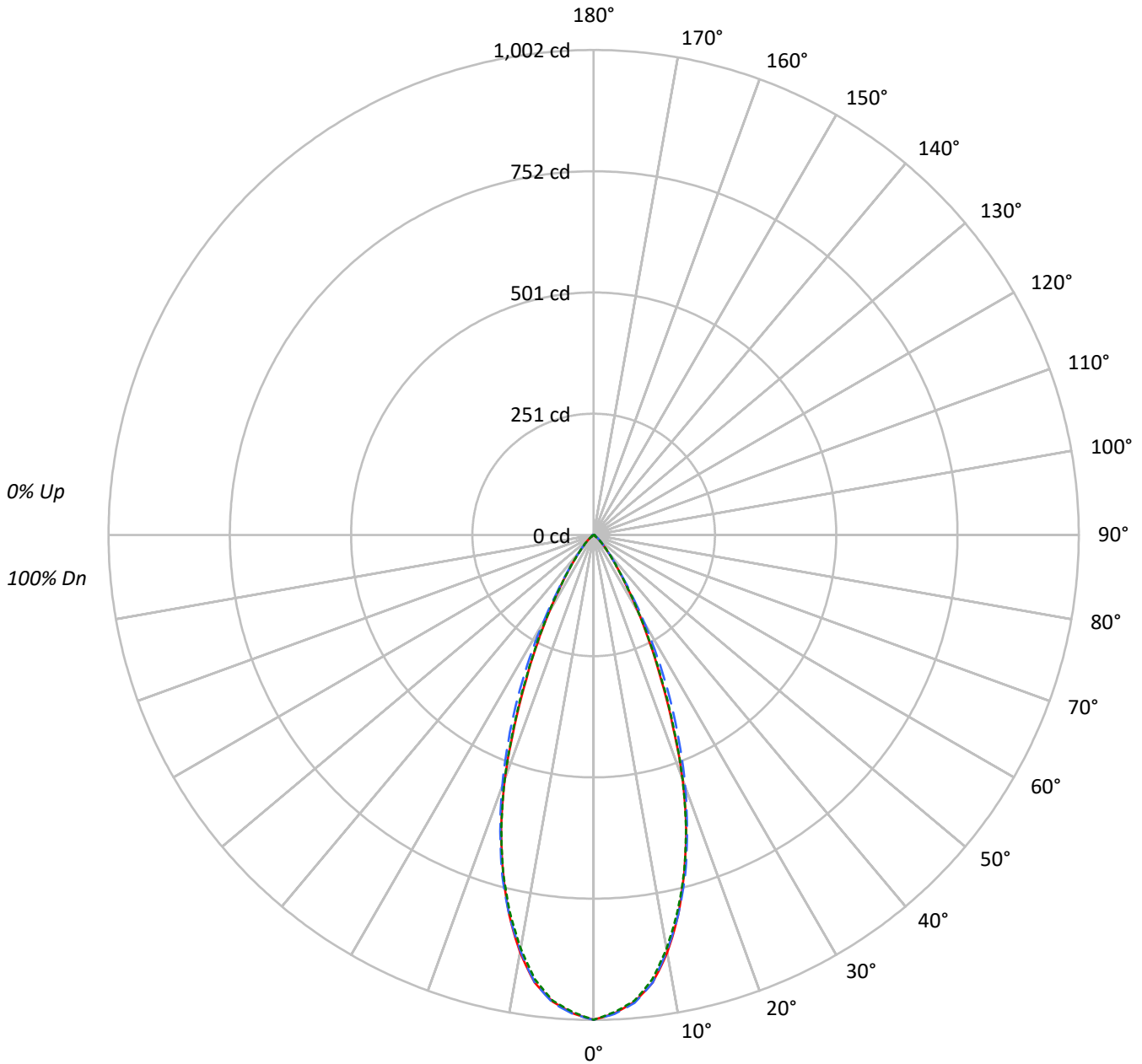
Input Watts (W): 7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	494299	494299	494299
5°	479448	480587	478457
10°	438852	437099	434494
15°	369130	372553	368569
20°	282306	289761	281833
25°	179259	202123	182743
30°	104252	117697	106075
35°	55109	58602	55290
40°	29111	30399	29111
45°	16257	16885	16466
50°	7599	9594	7599
55°	2752	5247	3011
60°	3158	3158	3158
65°	3385	3736	3385
70°	4183	3750	4183
75°	3812	3812	3812
80°	4262	3409	4262
85°	3396	3396	3396



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.4	16.5
10°-20°	199.1	36.6
20°-30°	160.8	29.6
30°-40°	63.6	11.7
40°-50°	19.5	3.6
50°-60°	5.0	0.9
60°-70°	3.0	0.6
70°-80°	2.2	0.4
80°-90°	0.7	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°	449.4	82.7
0°-40°	512.9	94.4
0°-60°	537.5	98.9
0°-90°	543.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	543.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1002	1002	1002	1002	1002	
5°	968	970	970	968	966	90
15°	723	725	729	726	722	198
25°	329	345	371	352	336	153
35°	92	94	97	94	92	61
45°	23	24	24	24	24	19
55°	3	4	6	4	4	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
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°	1001.9	1001.9	1001.9	1001.9	1001.9
2.5°	989.4	990.0	990.8	989.7	986.7
5°	968.1	969.8	970.4	968.4	966.1
7.5°	933.1	931.1	932.8	929.3	926.4
10°	876.0	873.4	872.5	867.3	867.3
12.5°	805.5	804.6	805.2	802.6	798.5
15°	722.7	724.8	729.4	726.5	721.6
17.5°	635.0	637.9	642.0	641.1	634.4
20°	537.7	546.1	551.9	546.4	536.8
22.5°	426.9	445.0	459.9	448.2	432.5
25°	329.3	345.0	371.3	351.5	335.7
27.5°	249.7	261.1	285.0	265.5	254.7
30°	183.0	190.0	206.6	193.8	186.2
32.5°	130.8	135.8	142.8	135.2	131.4
35°	91.5	94.1	97.3	94.4	91.8
37.5°	64.4	65.3	67.6	65.3	64.1
40°	45.2	45.5	47.2	45.8	45.2
42.5°	32.6	32.6	33.5	32.9	32.6
45°	23.3	23.6	24.2	23.9	23.6
47.5°	16.6	17.2	17.2	17.5	16.3
50°	9.9	12.2	12.5	12.2	9.9
52.5°	5.2	7.3	9.0	7.3	5.2
55°	3.2	4.4	6.1	4.4	3.5
57.5°	3.2	3.2	4.1	3.5	3.2
60°	3.2	3.2	3.2	3.2	3.2
62.5°	3.2	3.2	3.2	3.2	3.2
65°	2.9	3.2	3.2	3.2	2.9
67.5°	2.9	2.9	2.9	2.9	2.9
70°	2.9	2.9	2.6	2.9	2.9
72.5°	2.6	2.6	2.3	2.6	2.6
75°	2.0	2.0	2.0	2.0	2.0
77.5°	1.7	1.7	1.7	1.7	1.7
80°	1.5	1.5	1.2	1.5	1.5
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.6	0.6	0.6	0.6	0.6
87.5°	0.3	0.3	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0



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







(END OF REPORT)