

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: P283906

Luminaire Tested: **LDA2B108050D010 EU2B10WFL558050 2LBAPINSQ1MMS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P283906  
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: LDA2B108050D010 EU2B10WFL558050 2LBAPINSQ1MMS  
Description: PORTFOLIO 2IN ADJ 1000 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: 1031.8 lumens  
Efficiency: N/A  
Efficacy: 103.2 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

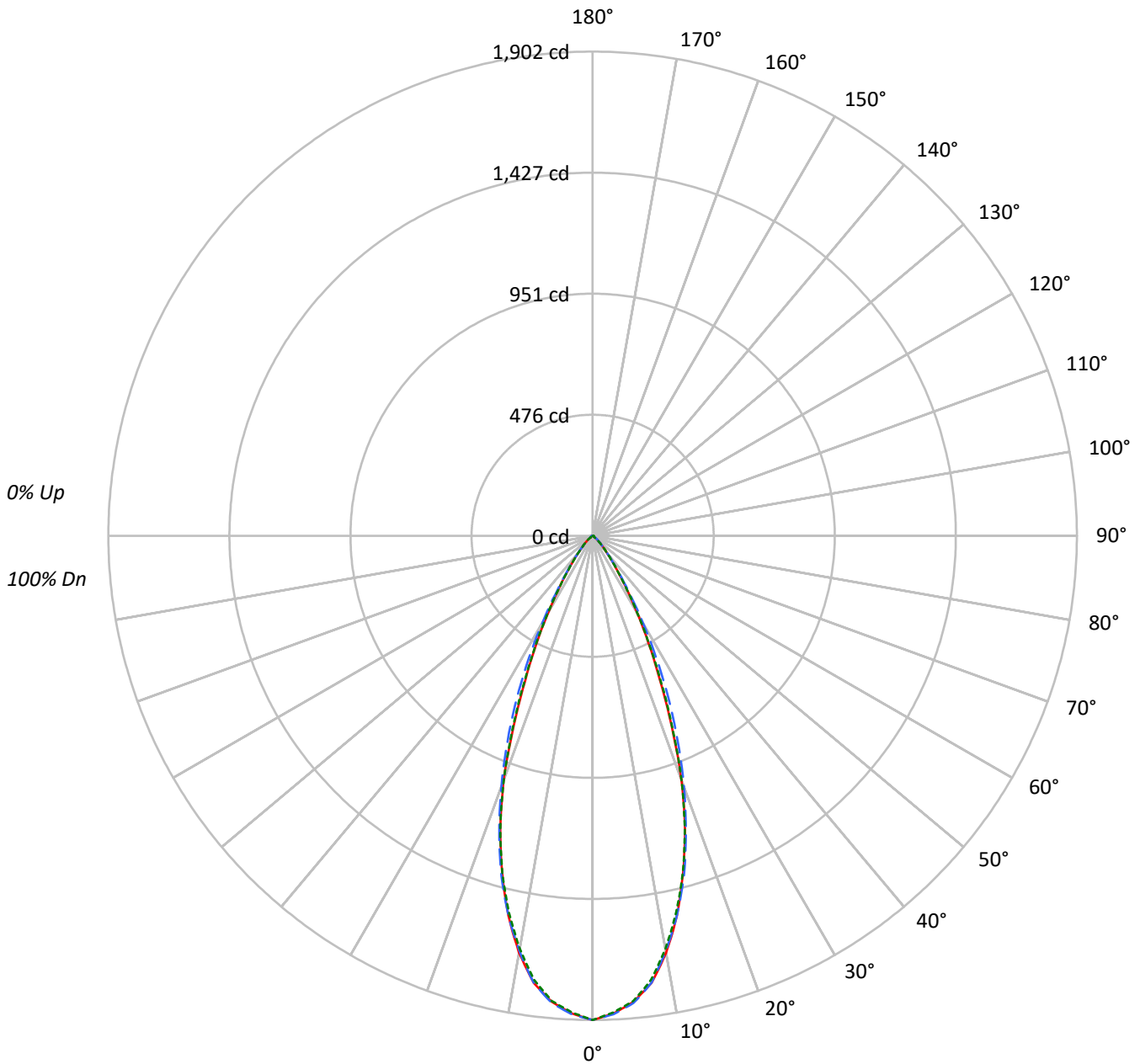
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	938522	938522	938522
5°	910312	912541	908430
10°	833268	829911	824952
15°	700873	707411	699749
20°	535998	550226	535105
25°	340391	383723	346978
30°	197966	223487	201441
35°	104617	111302	104978
40°	55258	57706	55258
45°	30909	32025	31258
50°	14430	18267	14430
55°	5247	9978	5677
60°	6019	6019	6019
65°	6421	7121	6421
70°	7934	7212	7934
75°	7434	7434	7434
80°	7955	6251	7955
85°	6227	6227	6227



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	169.8	16.5
10°-20°	378.1	36.6
20°-30°	305.3	29.6
30°-40°	120.7	11.7
40°-50°	37.0	3.6
50°-60°	9.5	0.9
60°-70°	5.8	0.6
70°-80°	4.2	0.4
80°-90°	1.3	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°	853.2	82.7
0°-40°	973.9	94.4
0°-60°	1020.5	98.9
0°-90°	1031.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1031.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1902	1902	1902	1902	1902	
5°	1838	1841	1843	1839	1834	170
15°	1372	1376	1385	1379	1370	377
25°	625	655	705	667	637	291
35°	174	179	185	179	174	116
45°	44	45	46	45	45	36
55°	6	8	12	8	7	8
65°	6	6	6	6	6	6
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°	1902.3	1902.3	1902.3	1902.3	1902.3
2.5°	1878.5	1879.6	1881.3	1879.1	1873.5
5°	1838.1	1841.4	1842.6	1838.7	1834.3
7.5°	1771.7	1767.9	1771.2	1764.5	1759.0
10°	1663.3	1658.3	1656.6	1646.7	1646.7
12.5°	1529.4	1527.7	1528.8	1523.8	1516.1
15°	1372.2	1376.1	1385.0	1379.4	1370.0
17.5°	1205.7	1211.2	1219.0	1217.3	1204.6
20°	1020.9	1036.9	1048.0	1037.5	1019.2
22.5°	810.6	844.9	873.1	851.0	821.1
25°	625.3	655.1	704.9	667.3	637.4
27.5°	474.2	495.8	541.1	504.1	483.6
30°	347.5	360.8	392.3	368.0	353.6
32.5°	248.4	257.8	271.1	256.7	249.5
35°	173.7	178.7	184.8	179.3	174.3
37.5°	122.3	123.9	128.4	123.9	121.7
40°	85.8	86.3	89.6	86.9	85.8
42.5°	62.0	62.0	63.6	62.5	62.0
45°	44.3	44.8	45.9	45.4	44.8
47.5°	31.5	32.6	32.6	33.2	31.0
50°	18.8	23.2	23.8	23.2	18.8
52.5°	10.0	13.8	17.2	13.8	10.0
55°	6.1	8.3	11.6	8.3	6.6
57.5°	6.1	6.1	7.7	6.6	6.1
60°	6.1	6.1	6.1	6.1	6.1
62.5°	6.1	6.1	6.1	6.1	6.1
65°	5.5	6.1	6.1	6.1	5.5
67.5°	5.5	5.5	5.5	5.5	5.5
70°	5.5	5.5	5.0	5.5	5.5
72.5°	5.0	5.0	4.4	5.0	5.0
75°	3.9	3.9	3.9	3.9	3.9
77.5°	3.3	3.3	3.3	3.3	3.3
80°	2.8	2.8	2.2	2.8	2.8
82.5°	1.7	1.7	1.7	1.7	1.7
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.6	0.6	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0



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







(END OF REPORT)