

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: P283808

Luminaire Tested: **LDA2B058035D010 EU2B05WFL558035 2LBAPINSQ1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P283808  
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: LDA2B058035D010 EU2B05WFL558035 2LBAPINSQ1MW  
Description: PORTFOLIO 2IN ADJ 500 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: 741.6 lumens  
Efficiency: N/A  
Efficacy: 105.9 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

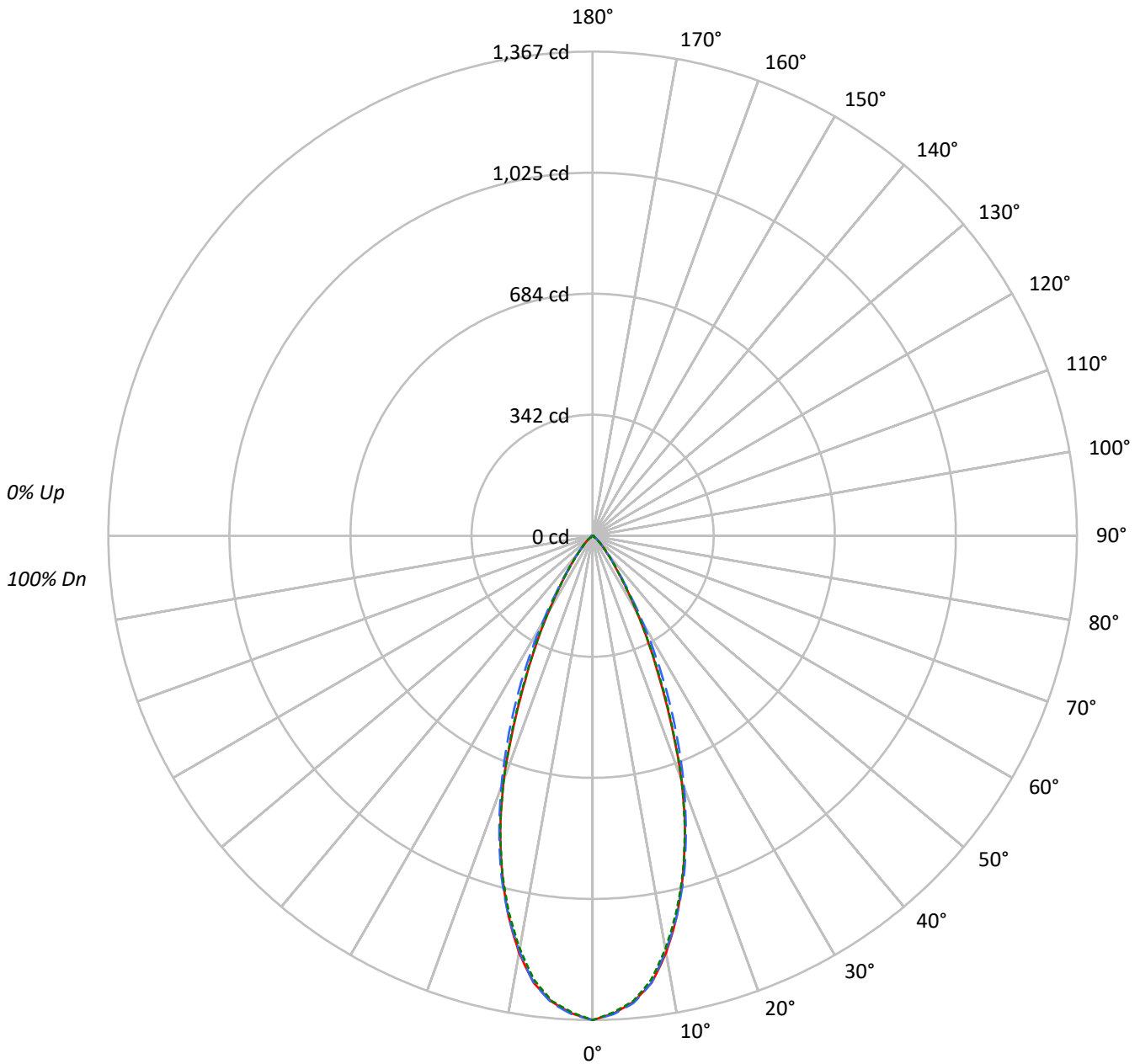
Input Watts (W): 7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					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	83	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°	674524	674524	674524
5°	654270	655855	652883
10°	598863	596508	592901
15°	503768	508416	502951
20°	385211	395449	384581
25°	244637	275829	249373
30°	142250	160651	144757
35°	75225	79983	75466
40°	39673	41476	39673
45°	22187	23025	22467
50°	10362	13125	10362
55°	3785	7225	4129
60°	4342	4342	4342
65°	4670	5137	4670
70°	5770	5193	5770
75°	5337	5337	5337
80°	5682	4546	5682
85°	4529	4529	4529



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.0	16.5
10°-20°	271.7	36.6
20°-30°	219.5	29.6
30°-40°	86.7	11.7
40°-50°	26.6	3.6
50°-60°	6.9	0.9
60°-70°	4.2	0.6
70°-80°	3.1	0.4
80°-90°	0.9	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°	613.2	82.7
0°-40°	700.0	94.4
0°-60°	733.5	98.9
0°-90°	741.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	741.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1367	1367	1367	1367	1367	
5°	1321	1324	1324	1322	1318	122
15°	986	989	995	991	985	271
25°	449	471	507	480	458	209
35°	125	128	133	129	125	84
45°	32	32	33	33	32	26
55°	4	6	8	6	5	6
65°	4	4	4	4	4	4
75°	3	3	3	3	3	3
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°	1367.2	1367.2	1367.2	1367.2	1367.2
2.5°	1350.1	1350.9	1352.1	1350.5	1346.6
5°	1321.1	1323.5	1324.3	1321.5	1318.3
7.5°	1273.4	1270.6	1273.0	1268.2	1264.2
10°	1195.4	1191.9	1190.7	1183.5	1183.5
12.5°	1099.2	1098.0	1098.8	1095.2	1089.7
15°	986.3	989.0	995.4	991.4	984.7
17.5°	866.6	870.5	876.1	874.9	865.8
20°	733.7	745.3	753.2	745.7	732.5
22.5°	582.6	607.3	627.5	611.6	590.2
25°	449.4	470.9	506.7	479.6	458.1
27.5°	340.8	356.3	388.9	362.3	347.6
30°	249.7	259.3	282.0	264.5	254.1
32.5°	178.6	185.3	194.9	184.5	179.4
35°	124.9	128.5	132.8	128.9	125.3
37.5°	87.9	89.1	92.3	89.1	87.5
40°	61.6	62.0	64.4	62.4	61.6
42.5°	44.5	44.5	45.7	44.9	44.5
45°	31.8	32.2	33.0	32.6	32.2
47.5°	22.7	23.5	23.5	23.9	22.3
50°	13.5	16.7	17.1	16.7	13.5
52.5°	7.2	9.9	12.3	9.9	7.2
55°	4.4	6.0	8.4	6.0	4.8
57.5°	4.4	4.4	5.6	4.8	4.4
60°	4.4	4.4	4.4	4.4	4.4
62.5°	4.4	4.4	4.4	4.4	4.4
65°	4.0	4.4	4.4	4.4	4.0
67.5°	4.0	4.0	4.0	4.0	4.0
70°	4.0	4.0	3.6	4.0	4.0
72.5°	3.6	3.6	3.2	3.6	3.6
75°	2.8	2.8	2.8	2.8	2.8
77.5°	2.4	2.4	2.4	2.4	2.4
80°	2.0	2.0	1.6	2.0	2.0
82.5°	1.2	1.2	1.2	1.2	1.2
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0



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







(END OF REPORT)