

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: P283930

Luminaire Tested: **LDA2B109035D010 EU2B10WFL559035 2LBAPINSQ1MMS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P283930  
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: LDA2B109035D010 EU2B10WFL559035 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: 826.3 lumens  
Efficiency: N/A  
Efficacy: 82.6 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

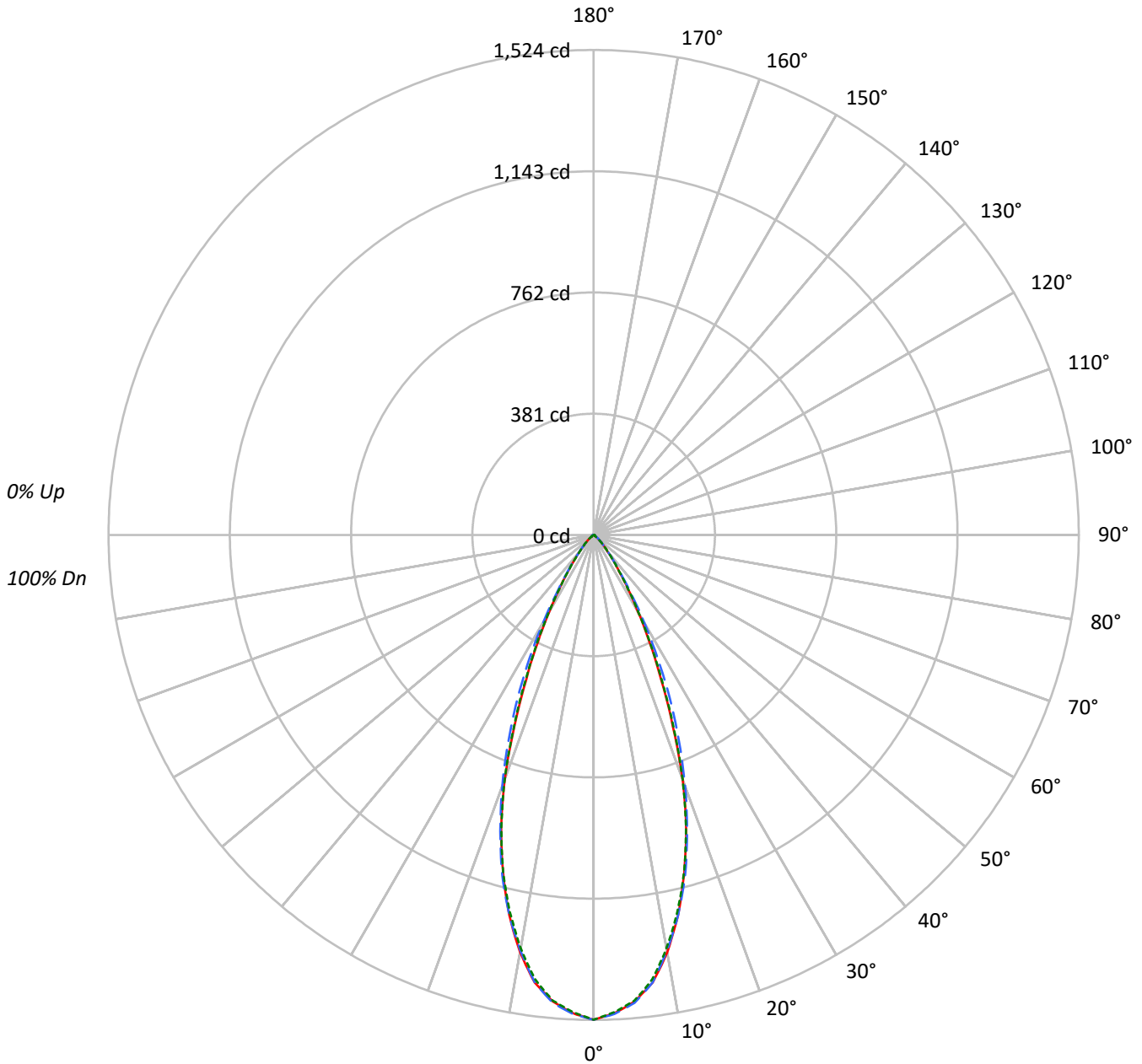
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	751637	751637	751637
5°	729052	730835	727517
10°	667346	664691	660683
15°	561332	566541	560412
20°	429260	440653	428578
25°	272618	307348	277898
30°	158543	178995	161335
35°	83778	89138	84079
40°	44245	46242	44245
45°	24769	25676	25048
50°	11590	14660	11590
55°	4215	7999	4559
60°	4835	4835	4835
65°	5137	5720	5137
70°	6347	5770	6347
75°	5909	5909	5909
80°	6251	5114	6251
85°	5095	5095	5095



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.0	16.5
10°-20°	302.8	36.6
20°-30°	244.6	29.6
30°-40°	96.7	11.7
40°-50°	29.7	3.6
50°-60°	7.6	0.9
60°-70°	4.6	0.6
70°-80°	3.4	0.4
80°-90°	1.0	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°	683.4	82.7
0°-40°	780.0	94.4
0°-60°	817.3	98.9
0°-90°	826.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	826.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1524	1524	1524	1524	1524	
5°	1472	1475	1476	1473	1469	136
15°	1099	1102	1109	1105	1097	302
25°	501	525	565	534	510	233
35°	139	143	148	144	140	93
45°	36	36	37	36	36	29
55°	5	7	9	7	5	6
65°	4	5	5	5	4	5
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°	1523.5	1523.5	1523.5	1523.5	1523.5
2.5°	1504.5	1505.4	1506.7	1504.9	1500.5
5°	1472.1	1474.8	1475.7	1472.6	1469.0
7.5°	1418.9	1415.8	1418.5	1413.2	1408.8
10°	1332.1	1328.1	1326.8	1318.8	1318.8
12.5°	1224.8	1223.5	1224.4	1220.4	1214.2
15°	1099.0	1102.1	1109.2	1104.8	1097.2
17.5°	965.6	970.0	976.2	974.9	964.7
20°	817.6	830.5	839.3	830.9	816.3
22.5°	649.2	676.7	699.3	681.6	657.6
25°	500.8	524.7	564.6	534.4	510.5
27.5°	379.8	397.1	433.4	403.7	387.3
30°	278.3	288.9	314.2	294.7	283.2
32.5°	199.0	206.5	217.1	205.6	199.9
35°	139.1	143.1	148.0	143.6	139.6
37.5°	97.9	99.3	102.8	99.3	97.5
40°	68.7	69.1	71.8	69.6	68.7
42.5°	49.6	49.6	51.0	50.1	49.6
45°	35.5	35.9	36.8	36.3	35.9
47.5°	25.3	26.1	26.1	26.6	24.8
50°	15.1	18.6	19.1	18.6	15.1
52.5°	8.0	11.1	13.7	11.1	8.0
55°	4.9	6.6	9.3	6.6	5.3
57.5°	4.9	4.9	6.2	5.3	4.9
60°	4.9	4.9	4.9	4.9	4.9
62.5°	4.9	4.9	4.9	4.9	4.9
65°	4.4	4.9	4.9	4.9	4.4
67.5°	4.4	4.4	4.4	4.4	4.4
70°	4.4	4.4	4.0	4.4	4.4
72.5°	4.0	4.0	3.5	4.0	4.0
75°	3.1	3.1	3.1	3.1	3.1
77.5°	2.7	2.7	2.7	2.7	2.7
80°	2.2	2.2	1.8	2.2	2.2
82.5°	1.3	1.3	1.3	1.3	1.3
85°	0.9	0.9	0.9	0.9	0.9
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)