

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: P283883

Luminaire Tested: **LDA2B108027D010 EU2B10WFL558027 2LBALPINSQ1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P283883  
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: LDA2B108027D010 EU2B10WFL558027 2LBALPINSQ1MW  
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND  
2in Adj SQ Pinhole w-lens, MW  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 916.2 lumens  
Efficiency: N/A  
Efficacy: 91.6 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

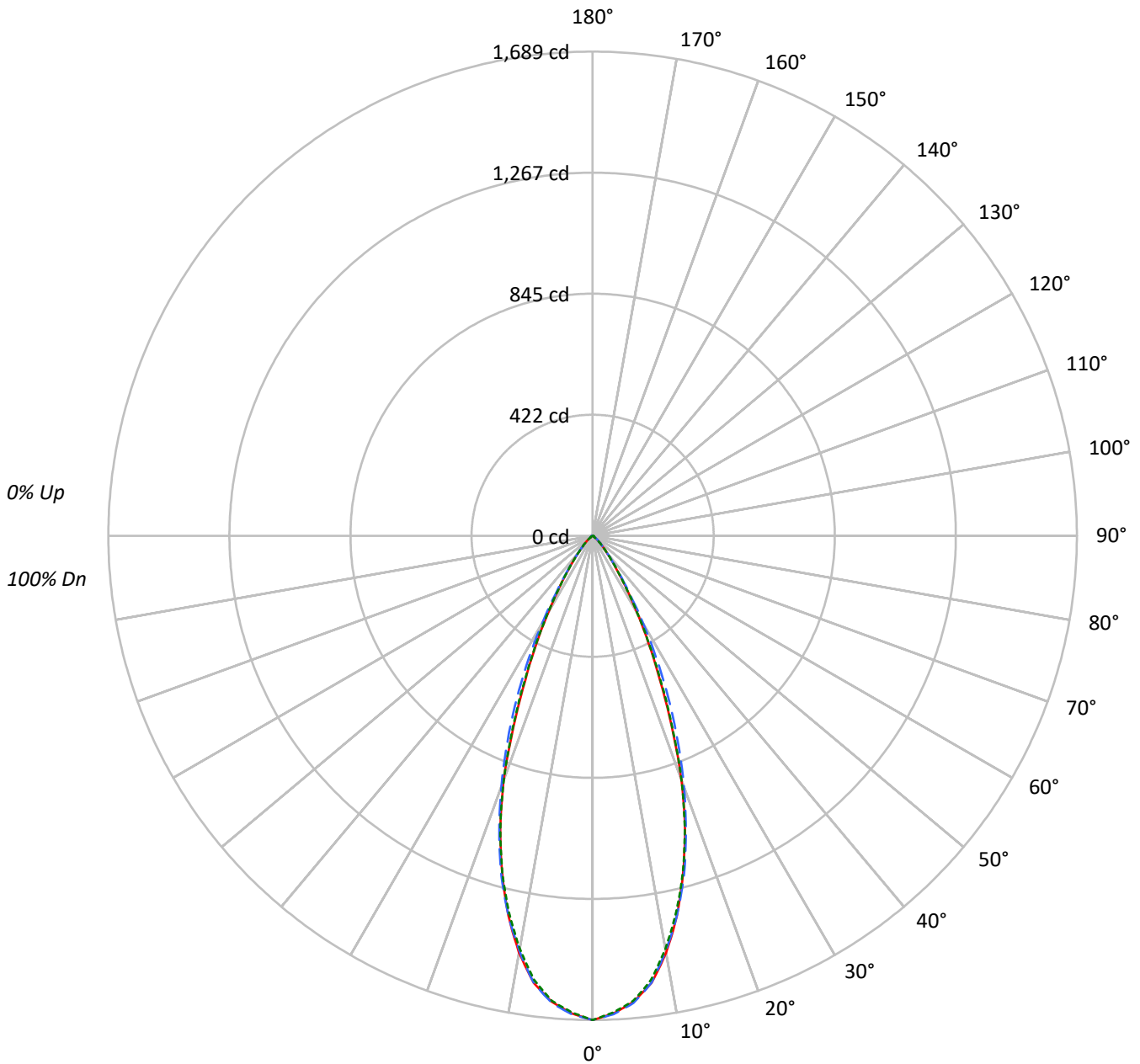
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	84	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°	833436	833436	833436
5°	808391	810322	806657
10°	739937	736981	732572
15°	622419	628191	621398
20°	475987	488588	475200
25°	302231	340772	308110
30°	175805	198478	178881
35°	92932	98835	93233
40°	49076	51265	49076
45°	27420	28467	27769
50°	12818	16195	12818
55°	4645	8860	5075
60°	5328	5328	5328
65°	5720	6304	5720
70°	7068	6347	7068
75°	6481	6481	6481
80°	7103	5682	7103
85°	5661	5661	5661



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.8	16.5
10°-20°	335.8	36.6
20°-30°	271.2	29.6
30°-40°	107.2	11.7
40°-50°	32.9	3.6
50°-60°	8.5	0.9
60°-70°	5.1	0.6
70°-80°	3.7	0.4
80°-90°	1.1	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°	757.7	82.7
0°-40°	864.9	94.4
0°-60°	906.3	98.9
0°-90°	916.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	916.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1689	1689	1689	1689	1689	
5°	1632	1635	1636	1633	1629	151
15°	1219	1222	1230	1225	1217	335
25°	555	582	626	593	566	258
35°	154	159	164	159	155	103
45°	39	40	41	40	40	32
55°	5	7	10	7	6	7
65°	5	5	5	5	5	5
75°	3	3	3	3	3	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°	1689.3	1689.3	1689.3	1689.3	1689.3
2.5°	1668.2	1669.1	1670.6	1668.6	1663.7
5°	1632.3	1635.2	1636.2	1632.8	1628.8
7.5°	1573.3	1569.9	1572.8	1566.9	1562.0
10°	1477.0	1472.6	1471.1	1462.3	1462.3
12.5°	1358.1	1356.6	1357.6	1353.2	1346.3
15°	1218.6	1222.0	1229.9	1225.0	1216.6
17.5°	1070.7	1075.6	1082.5	1081.0	1069.7
20°	906.6	920.8	930.6	921.3	905.1
22.5°	719.8	750.3	775.4	755.7	729.2
25°	555.2	581.8	626.0	592.6	566.0
27.5°	421.1	440.3	480.5	447.6	429.4
30°	308.6	320.4	348.4	326.8	314.0
32.5°	220.6	229.0	240.8	228.0	221.6
35°	154.3	158.7	164.1	159.2	154.8
37.5°	108.6	110.1	114.0	110.1	108.1
40°	76.2	76.7	79.6	77.1	76.2
42.5°	55.0	55.0	56.5	55.5	55.0
45°	39.3	39.8	40.8	40.3	39.8
47.5°	28.0	29.0	29.0	29.5	27.5
50°	16.7	20.6	21.1	20.6	16.7
52.5°	8.8	12.3	15.2	12.3	8.8
55°	5.4	7.4	10.3	7.4	5.9
57.5°	5.4	5.4	6.9	5.9	5.4
60°	5.4	5.4	5.4	5.4	5.4
62.5°	5.4	5.4	5.4	5.4	5.4
65°	4.9	5.4	5.4	5.4	4.9
67.5°	4.9	4.9	4.9	4.9	4.9
70°	4.9	4.9	4.4	4.9	4.9
72.5°	4.4	4.4	3.9	4.4	4.4
75°	3.4	3.4	3.4	3.4	3.4
77.5°	2.9	2.9	2.9	2.9	2.9
80°	2.5	2.5	2.0	2.5	2.5
82.5°	1.5	1.5	1.5	1.5	1.5
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)