

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: P283959

Luminaire Tested: **LDA2B10D2WD010 EU2B10WFL55D2W 2LBAPINSQ1MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P283959  
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: LDA2B10D2WD010 EU2B10WFL55D2W 2LBAPINSQ1MB  
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND  
2in Adj SQ PinHole, MB  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 724.3 lumens  
Efficiency: N/A  
Efficacy: 72.4 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

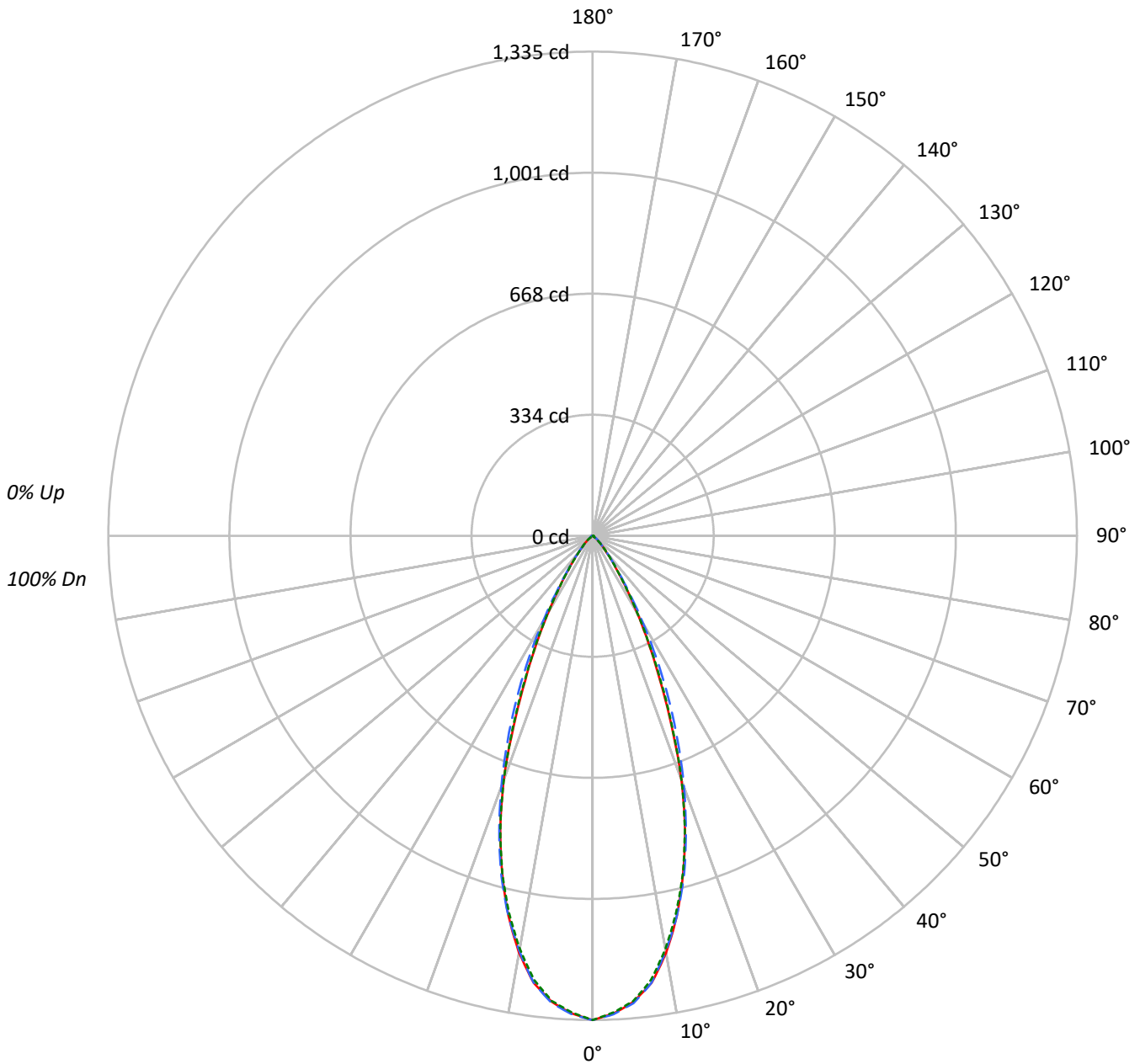
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	658786	658786	658786
5°	639016	640552	637679
10°	584936	582581	579074
15°	492021	496566	491203
20°	376233	386208	375603
25°	238922	269352	243549
30°	138946	156891	141396
35°	73479	78116	73659
40°	38771	40510	38771
45°	21699	22467	21978
50°	10131	12818	10131
55°	3699	7053	4043
60°	4243	4243	4243
65°	4553	5020	4553
70°	5626	5049	5626
75°	5147	5147	5147
80°	5398	4546	5398
85°	4529	4529	4529



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.2	16.5
10°-20°	265.4	36.6
20°-30°	214.3	29.6
30°-40°	84.7	11.7
40°-50°	26.0	3.6
50°-60°	6.7	0.9
60°-70°	4.1	0.6
70°-80°	3.0	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°	598.9	82.7
0°-40°	683.7	94.4
0°-60°	716.4	98.9
0°-90°	724.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	724.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1335	1335	1335	1335	1335	
5°	1290	1293	1293	1291	1288	119
15°	963	966	972	968	962	265
25°	439	460	495	468	447	204
35°	122	126	130	126	122	82
45°	31	32	32	32	32	25
55°	4	6	8	6	5	5
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°	1335.3	1335.3	1335.3	1335.3	1335.3
2.5°	1318.6	1319.4	1320.6	1319.0	1315.1
5°	1290.3	1292.6	1293.4	1290.7	1287.6
7.5°	1243.7	1241.0	1243.3	1238.6	1234.7
10°	1167.6	1164.1	1162.9	1155.9	1155.9
12.5°	1073.6	1072.4	1073.2	1069.7	1064.2
15°	963.3	966.0	972.2	968.3	961.7
17.5°	846.3	850.2	855.7	854.5	845.6
20°	716.6	727.9	735.6	728.3	715.4
22.5°	569.0	593.1	612.9	597.4	576.4
25°	438.9	459.9	494.8	468.4	447.4
27.5°	332.9	348.0	379.9	353.8	339.5
30°	243.9	253.2	275.4	258.3	248.2
32.5°	174.4	181.0	190.3	180.2	175.2
35°	122.0	125.5	129.7	125.8	122.3
37.5°	85.8	87.0	90.1	87.0	85.4
40°	60.2	60.6	62.9	61.0	60.2
42.5°	43.5	43.5	44.7	43.9	43.5
45°	31.1	31.5	32.2	31.8	31.5
47.5°	22.1	22.9	22.9	23.3	21.8
50°	13.2	16.3	16.7	16.3	13.2
52.5°	7.0	9.7	12.0	9.7	7.0
55°	4.3	5.8	8.2	5.8	4.7
57.5°	4.3	4.3	5.4	4.7	4.3
60°	4.3	4.3	4.3	4.3	4.3
62.5°	4.3	4.3	4.3	4.3	4.3
65°	3.9	4.3	4.3	4.3	3.9
67.5°	3.9	3.9	3.9	3.9	3.9
70°	3.9	3.9	3.5	3.9	3.9
72.5°	3.5	3.5	3.1	3.5	3.5
75°	2.7	2.7	2.7	2.7	2.7
77.5°	2.3	2.3	2.3	2.3	2.3
80°	1.9	1.9	1.6	1.9	1.9
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)