

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: P315631

Luminaire Tested: **LDA2B10WFL8027D010 PIN1MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P315631
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: LDA2B10WFL8027D010 PIN1MB
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj PinHole, Black oculus black finish
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 881.7 lumens
Efficiency: N/A
Efficacy: 88.2 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

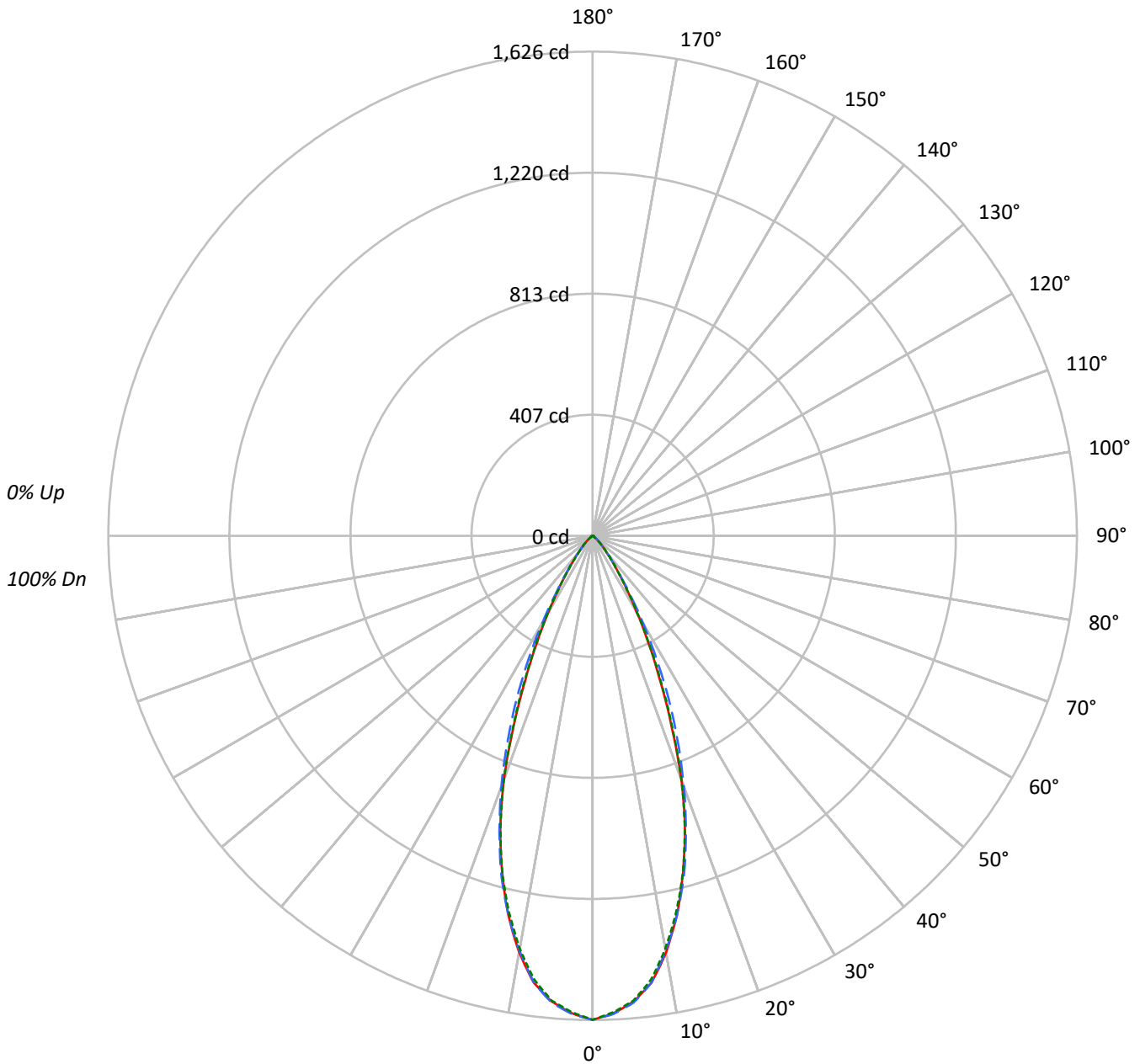
Input Watts (W): 10
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	801960	801960	801960
5°	777883	779716	776200
10°	711982	709177	704919
15°	598924	604440	597953
20°	457979	470160	457244
25°	290854	327925	296515
30°	169140	190958	172102
35°	89439	95101	89680
40°	47208	49333	47208
45°	26374	27351	26723
50°	12357	15581	12357
55°	4473	8515	4903
60°	5131	5131	5131
65°	5487	6070	5487
70°	6780	6203	6780
75°	6290	6290	6290
80°	6819	5398	6819
85°	5095	5095	5095



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.1	16.5
10°-20°	323.1	36.6
20°-30°	260.9	29.6
30°-40°	103.1	11.7
40°-50°	31.7	3.6
50°-60°	8.2	0.9
60°-70°	4.9	0.6
70°-80°	3.6	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°	729.1	82.7
0°-40°	832.2	94.4
0°-60°	872.0	98.9
0°-90°	881.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	881.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1626	1626	1626	1626	1626	
5°	1571	1574	1574	1571	1567	145
15°	1173	1176	1183	1179	1171	322
25°	534	560	602	570	545	249
35°	148	153	158	153	149	99
45°	38	38	39	39	38	31
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°	1625.5	1625.5	1625.5	1625.5	1625.5
2.5°	1605.2	1606.1	1607.5	1605.6	1600.9
5°	1570.7	1573.5	1574.4	1571.1	1567.3
7.5°	1513.9	1510.6	1513.4	1507.8	1503.0
10°	1421.2	1417.0	1415.6	1407.1	1407.1
12.5°	1306.8	1305.4	1306.4	1302.1	1295.5
15°	1172.6	1175.9	1183.4	1178.7	1170.7
17.5°	1030.2	1035.0	1041.6	1040.2	1029.3
20°	872.3	886.0	895.5	886.5	870.9
22.5°	692.7	722.0	746.1	727.2	701.6
25°	534.3	559.8	602.4	570.2	544.7
27.5°	405.2	423.6	462.4	430.7	413.2
30°	296.9	308.3	335.2	314.4	302.1
32.5°	212.3	220.3	231.7	219.4	213.2
35°	148.5	152.7	157.9	153.2	148.9
37.5°	104.5	105.9	109.7	105.9	104.0
40°	73.3	73.8	76.6	74.2	73.3
42.5°	53.0	53.0	54.4	53.4	53.0
45°	37.8	38.3	39.2	38.8	38.3
47.5°	26.9	27.9	27.9	28.4	26.5
50°	16.1	19.9	20.3	19.9	16.1
52.5°	8.5	11.8	14.7	11.8	8.5
55°	5.2	7.1	9.9	7.1	5.7
57.5°	5.2	5.2	6.6	5.7	5.2
60°	5.2	5.2	5.2	5.2	5.2
62.5°	5.2	5.2	5.2	5.2	5.2
65°	4.7	5.2	5.2	5.2	4.7
67.5°	4.7	4.7	4.7	4.7	4.7
70°	4.7	4.7	4.3	4.7	4.7
72.5°	4.3	4.3	3.8	4.3	4.3
75°	3.3	3.3	3.3	3.3	3.3
77.5°	2.8	2.8	2.8	2.8	2.8
80°	2.4	2.4	1.9	2.4	2.4
82.5°	1.4	1.4	1.4	1.4	1.4
85°	0.9	0.9	0.9	0.9	0.9
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)