

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: P314955

Luminaire Tested: **LDA2B10NFL8027D010 PIN1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P314955
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-2)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B10NFL8027D010 PIN1MW
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC
AND 2in Adj PinHole, Black oculus, matte white finish
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 963.0 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.39
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

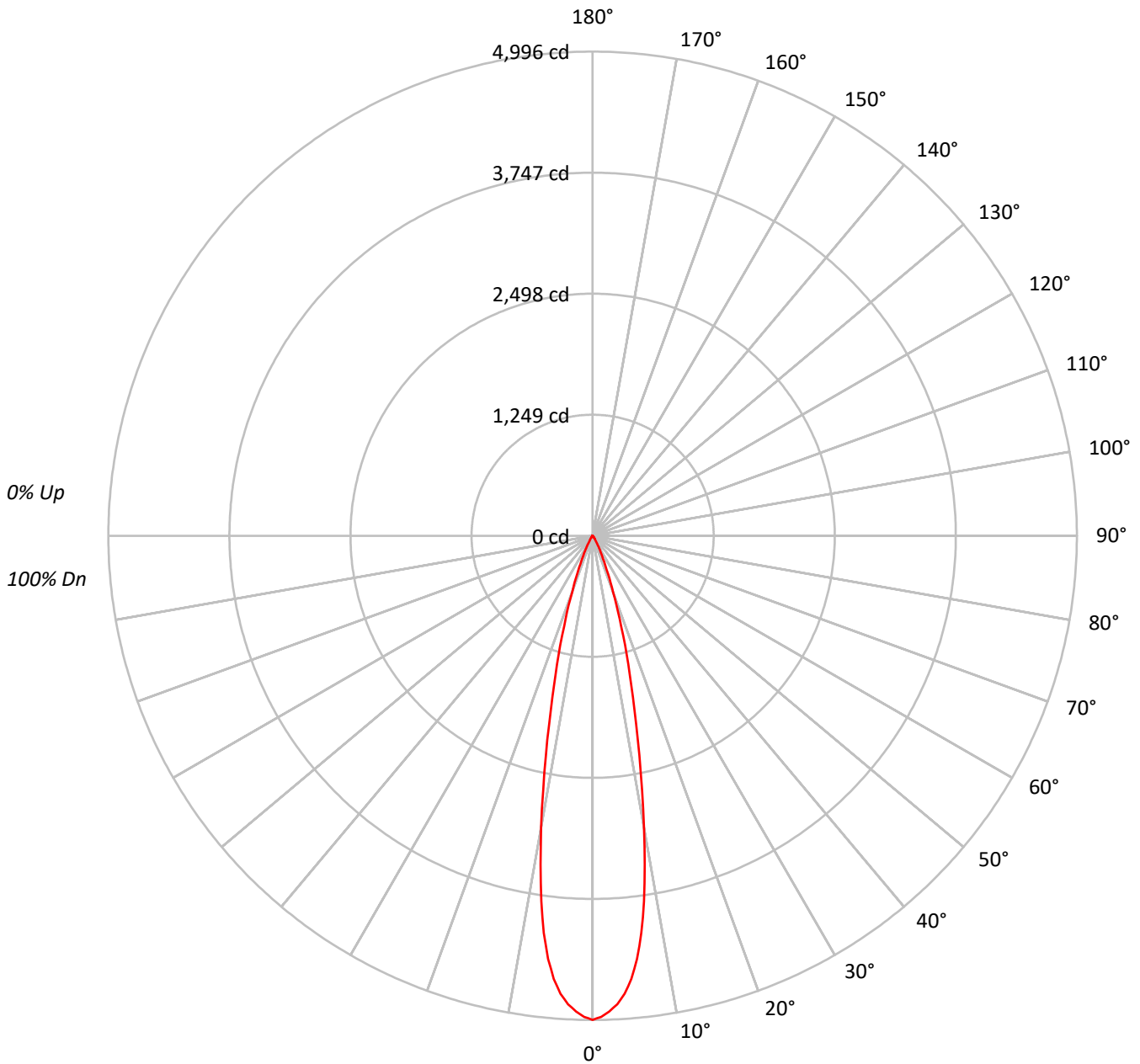
Input Watts (W): 10
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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									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	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	100	100	100	100	100	100	100	100	100	100	100																
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97	97	97	97	97	97	97	97	97	97	97	97	97																
2	112	108	105	103	110	107	104	102	103	101	100	101	99	98	98	97	96	94	94	94	94	94	94	94	94	94	94	94	94	94																
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91	91	91	91	91	91	91	91	91	91	91	91	91																
4	105	100	96	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89	89	89	89	89	89	89	89	89	89	89																
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	92	89	87	86	86	86	86	86	86	86	86	86	86	86	86	86																
6	100	94	90	87	98	93	89	87	92	89	86	91	88	86	89	87	85	84	84	84	84	84	84	84	84	84	84	84	84	84	84															
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82	82	82	82	82	82	82	82	82	82	82	82	82	82															
8	95	88	85	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80	80	80	80	80	80	80	80	80	80	80	80	80	80															
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	78	78	78	78	78	78	78	78	78	78	78	78	78															
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	76	76	76	76	76	76	76	76	76	76	76	76	76															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2464885
5°	2273230
10°	1531874
15°	755269
20°	322628
25°	126837
30°	49961
35°	21863
40°	10498
45°	5093
50°	2763
55°	1548
60°	888
65°	584
70°	721
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.8	40.4
10°-20°	418.7	43.5
20°-30°	120.9	12.6
30°-40°	25.5	2.6
40°-50°	6.3	0.7
50°-60°	1.8	0.2
60°-70°	0.6	0.1
70°-80°	0.3	0.0
80°-90°	0.0	0.0
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°	928.5	96.4
0°-40°	954.0	99.1
0°-60°	962.1	99.9
0°-90°	963.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	963.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4996	
5°	4590	389
15°	1479	419
25°	233	121
35°	36	26
45°	7	6
55°	2	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4996.1
1°	4964.7
2°	4911.6
3°	4839.8
4°	4738.1
5°	4590.1
6°	4390.2
7°	4129.5
8°	3808.9
9°	3435.2
10°	3057.8
11°	2676.3
12°	2316.1
13°	1996.4
14°	1715.3
15°	1478.7
17.5°	977.3
20°	614.5
22.5°	377.8
25°	233.0
27.5°	142.1
30°	87.7
32.5°	55.4
35°	36.3
37.5°	24.1
40°	16.3
42.5°	11.4
45°	7.3
47.5°	4.5
50°	3.6
52.5°	2.7
55°	1.8
57.5°	1.4
60°	0.9
62.5°	0.9
65°	0.5
67.5°	0.5
70°	0.5
72.5°	0.5
75°	0.0
77.5°	0.5
80°	0.0
82.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)