

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: P315128

Luminaire Tested: **LDA2B20NFL8027D010 PINW1MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P315128
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: LDA2B20NFL8027D010 PINW1MB
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC AND 2in Adj PinHole, White oculus black finish
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1801.8 lumens
Efficiency: N/A
Efficacy: 87.5 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

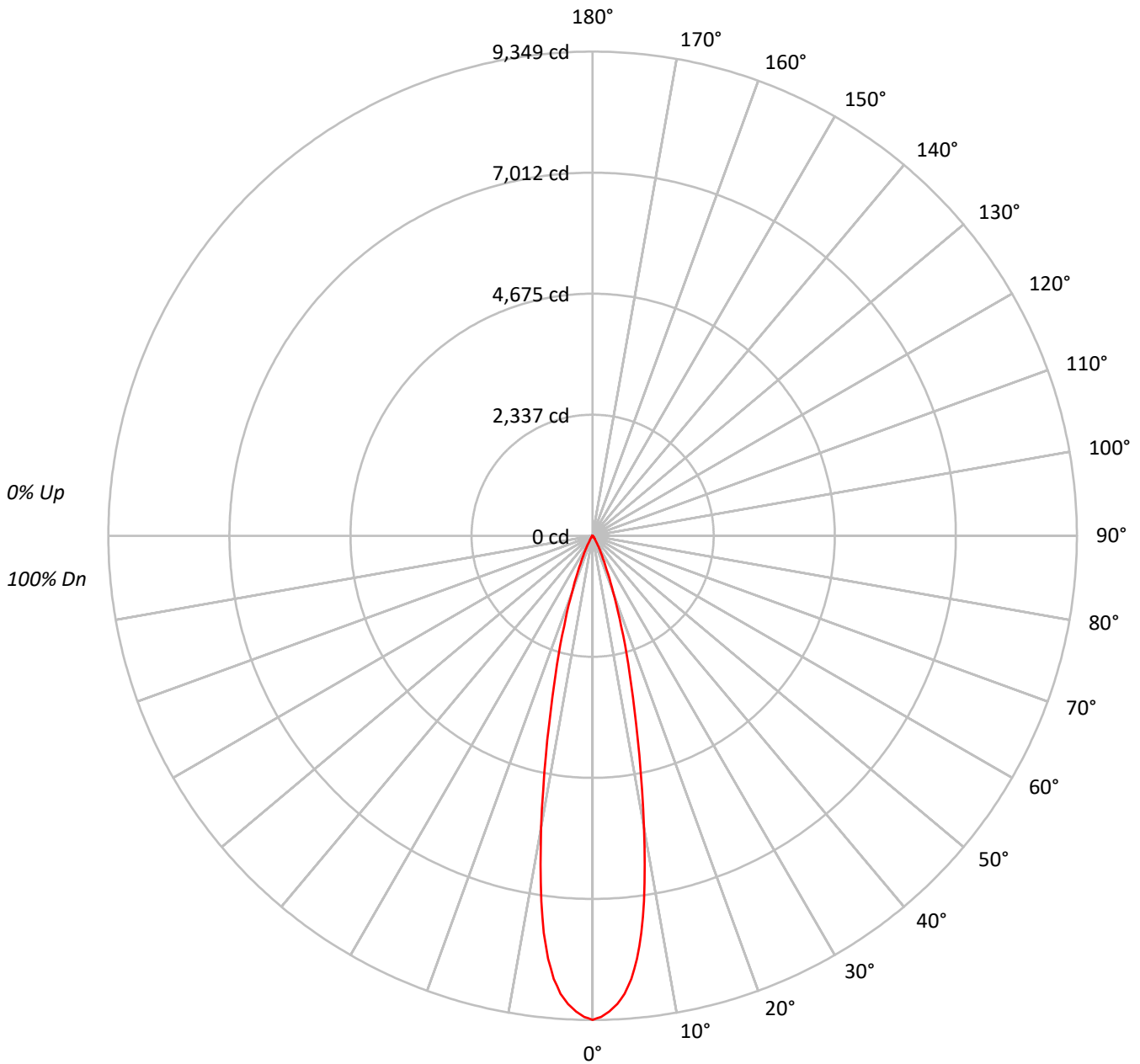
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4612242
5°	4253621
10°	2866415
15°	1413238
20°	603673
25°	237288
30°	93428
35°	40955
40°	19708
45°	9489
50°	5219
55°	2925
60°	1677
65°	934
70°	1154
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	727.5	40.4
10°-20°	783.5	43.5
20°-30°	226.2	12.6
30°-40°	47.8	2.7
40°-50°	11.7	0.7
50°-60°	3.4	0.2
60°-70°	1.1	0.1
70°-80°	0.5	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°	1737.3	96.4
0°-40°	1785.1	99.1
0°-60°	1800.2	99.9
0°-90°	1801.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1801.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9349	
5°	8589	728
15°	2767	784
25°	436	226
35°	68	48
45°	14	12
55°	3	3
65°	1	1
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9348.6
1°	9290.0
2°	9190.5
3°	9056.3
4°	8865.9
5°	8588.9
6°	8215.0
7°	7727.2
8°	7127.2
9°	6427.8
10°	5721.7
11°	5007.8
12°	4334.0
13°	3735.7
14°	3209.7
15°	2766.9
17.5°	1828.8
20°	1149.8
22.5°	707.0
25°	435.9
27.5°	266.0
30°	164.0
32.5°	103.7
35°	68.0
37.5°	45.0
40°	30.6
42.5°	21.2
45°	13.6
47.5°	8.5
50°	6.8
52.5°	5.1
55°	3.4
57.5°	2.5
60°	1.7
62.5°	1.7
65°	0.8
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.0
77.5°	0.8
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)