

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: P315156

Luminaire Tested: **LDA2B20NFL9024D010 PINW1MMS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P315156  
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: LDA2B20NFL9024D010 PINW1MMS  
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC AND 2in Adj PinHole, White oculus, matte metallic silver finish  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1317.8 lumens  
Efficiency: N/A  
Efficacy: 64.0 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

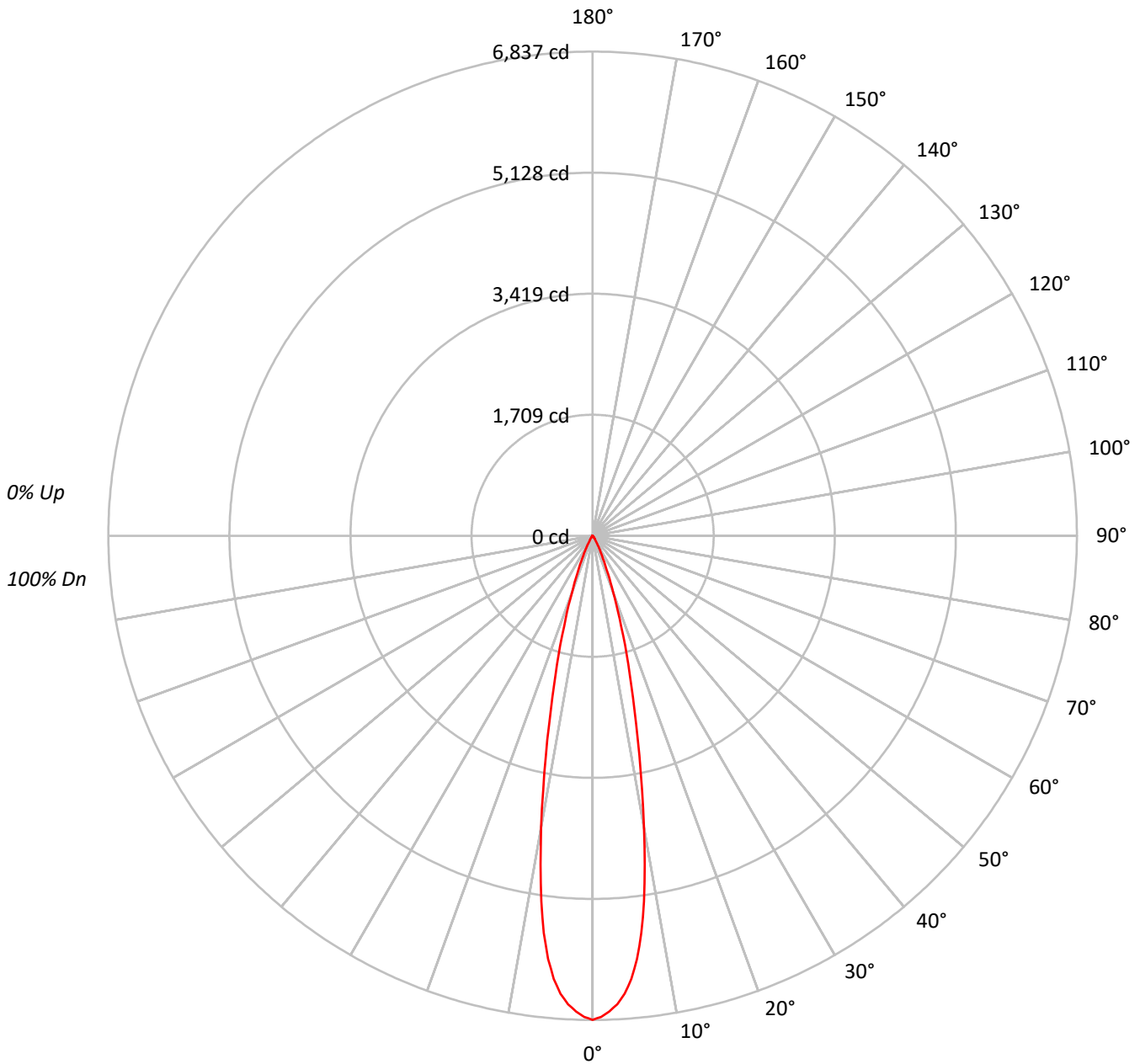
Input Watts (W): 20.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97		
2	112	108	105	103	110	107	104	102	103	101	100	101	99	98	98	97	96	94		
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91		
4	105	100	96	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89		
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	92	89	87	86		
6	100	94	90	87	98	93	89	87	92	89	86	91	88	86	89	87	85	84		
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82		
8	95	88	85	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80		
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78		
10	90	84	80	78	90	84	80	78	83	80	78	82	79	77	82	79	77	76		

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	3373213
5°	3110939
10°	2096370
15°	1033585
20°	441493
25°	173543
30°	68362
35°	29933
40°	14426
45°	6907
50°	3838
55°	2150
60°	1184
65°	700
70°	865
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	532.1	40.4
10°-20°	573.1	43.5
20°-30°	165.5	12.6
30°-40°	34.9	2.6
40°-50°	8.6	0.7
50°-60°	2.5	0.2
60°-70°	0.8	0.1
70°-80°	0.4	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°	1270.6	96.4
0°-40°	1305.5	99.1
0°-60°	1316.6	99.9
0°-90°	1317.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1317.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6837	
5°	6282	532
15°	2024	573
25°	319	165
35°	50	35
45°	10	9
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6837.2
1°	6794.4
2°	6721.6
3°	6623.4
4°	6484.2
5°	6281.6
6°	6008.1
7°	5651.4
8°	5212.6
9°	4701.1
10°	4184.6
11°	3662.6
12°	3169.7
13°	2732.2
14°	2347.4
15°	2023.6
17.5°	1337.5
20°	840.9
22.5°	517.1
25°	318.8
27.5°	194.5
30°	120.0
32.5°	75.8
35°	49.7
37.5°	32.9
40°	22.4
42.5°	15.5
45°	9.9
47.5°	6.2
50°	5.0
52.5°	3.7
55°	2.5
57.5°	1.9
60°	1.2
62.5°	1.2
65°	0.6
67.5°	0.6
70°	0.6
72.5°	0.6
75°	0.0
77.5°	0.6
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)