

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: P314976

Luminaire Tested: **LDA2B10NFL8040D010 PINW1MMS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P314976  
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: LDA2B10NFL8040D010 PINW1MMS  
Description: PORTFOLIO 2IN ADJ 1000 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: 1044.2 lumens  
Efficiency: N/A  
Efficacy: 104.4 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

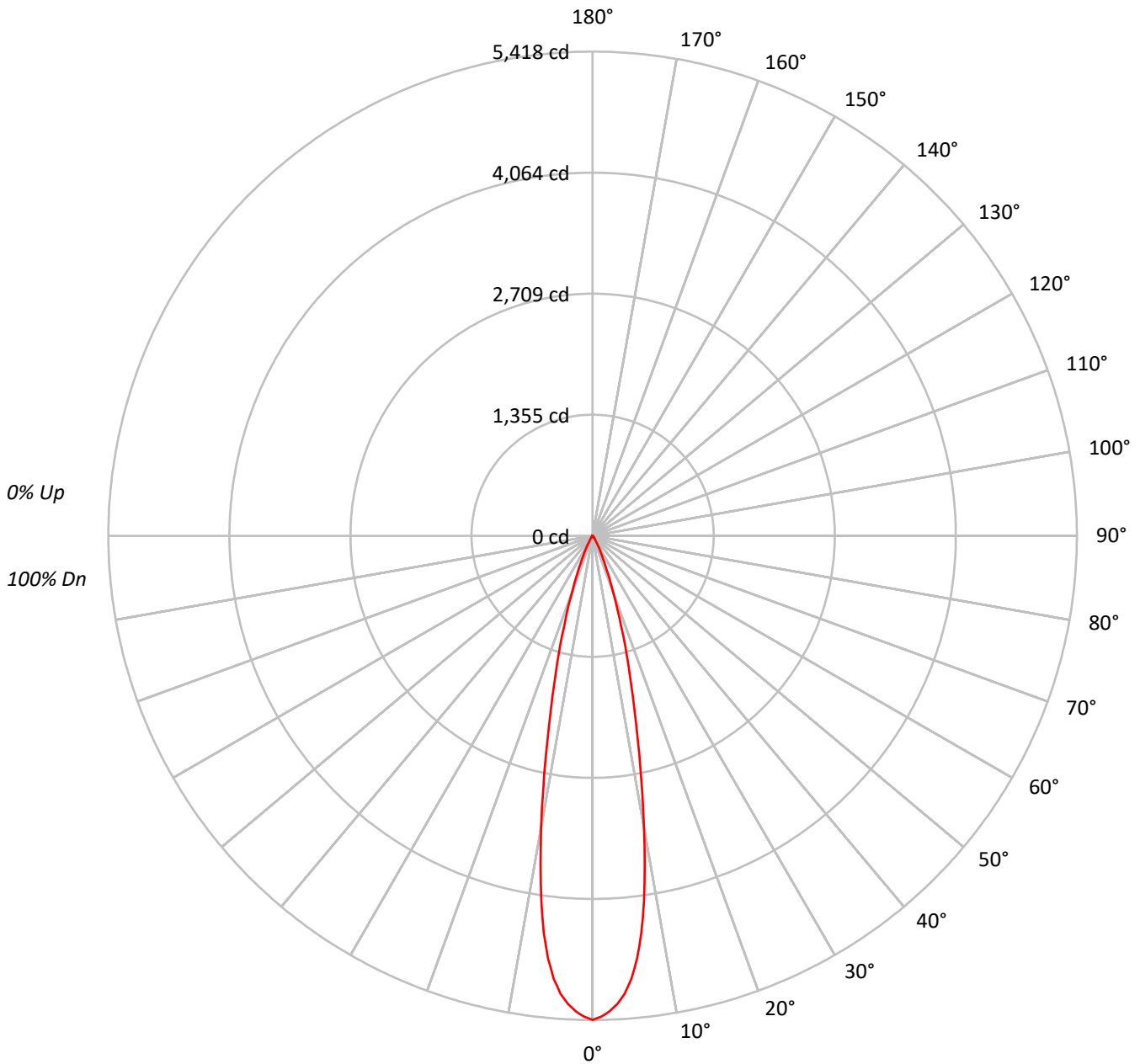
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	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	77	82	79	77	82	79	77	76																																				

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

	0°
0°	2672787
5°	2464990
10°	1661075
15°	818962
20°	349824
25°	137506
30°	54120
35°	23730
40°	11399
45°	5512
50°	2993
55°	1720
60°	987
65°	584
70°	721
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	421.6	40.4
10°-20°	454.1	43.5
20°-30°	131.1	12.6
30°-40°	27.7	2.6
40°-50°	6.8	0.7
50°-60°	2.0	0.2
60°-70°	0.7	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°	1006.8	96.4
0°-40°	1034.4	99.1
0°-60°	1043.2	99.9
0°-90°	1044.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1044.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5418	
5°	4977	422
15°	1603	454
25°	253	131
35°	39	28
45°	8	7
55°	2	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5417.5
1°	5383.6
2°	5325.9
3°	5248.1
4°	5137.8
5°	4977.3
6°	4760.6
7°	4477.9
8°	4130.3
9°	3725.0
10°	3315.7
11°	2902.1
12°	2511.5
13°	2164.8
14°	1860.0
15°	1603.4
17.5°	1059.8
20°	666.3
22.5°	409.7
25°	252.6
27.5°	154.1
30°	95.0
32.5°	60.1
35°	39.4
37.5°	26.1
40°	17.7
42.5°	12.3
45°	7.9
47.5°	4.9
50°	3.9
52.5°	3.0
55°	2.0
57.5°	1.5
60°	1.0
62.5°	1.0
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)