

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: P279177

Luminaire Tested: **LDA2B209730D010 EU2B20NFL259730 2LBAD1GPH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P279177  
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: LDA2B209730D010 EU2B20NFL259730 2LBAD1GPH  
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC AND 2in ADJ spun Refl, Self-Flanged, GPH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1553.1 lumens  
Efficiency: N/A  
Efficacy: 75.4 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

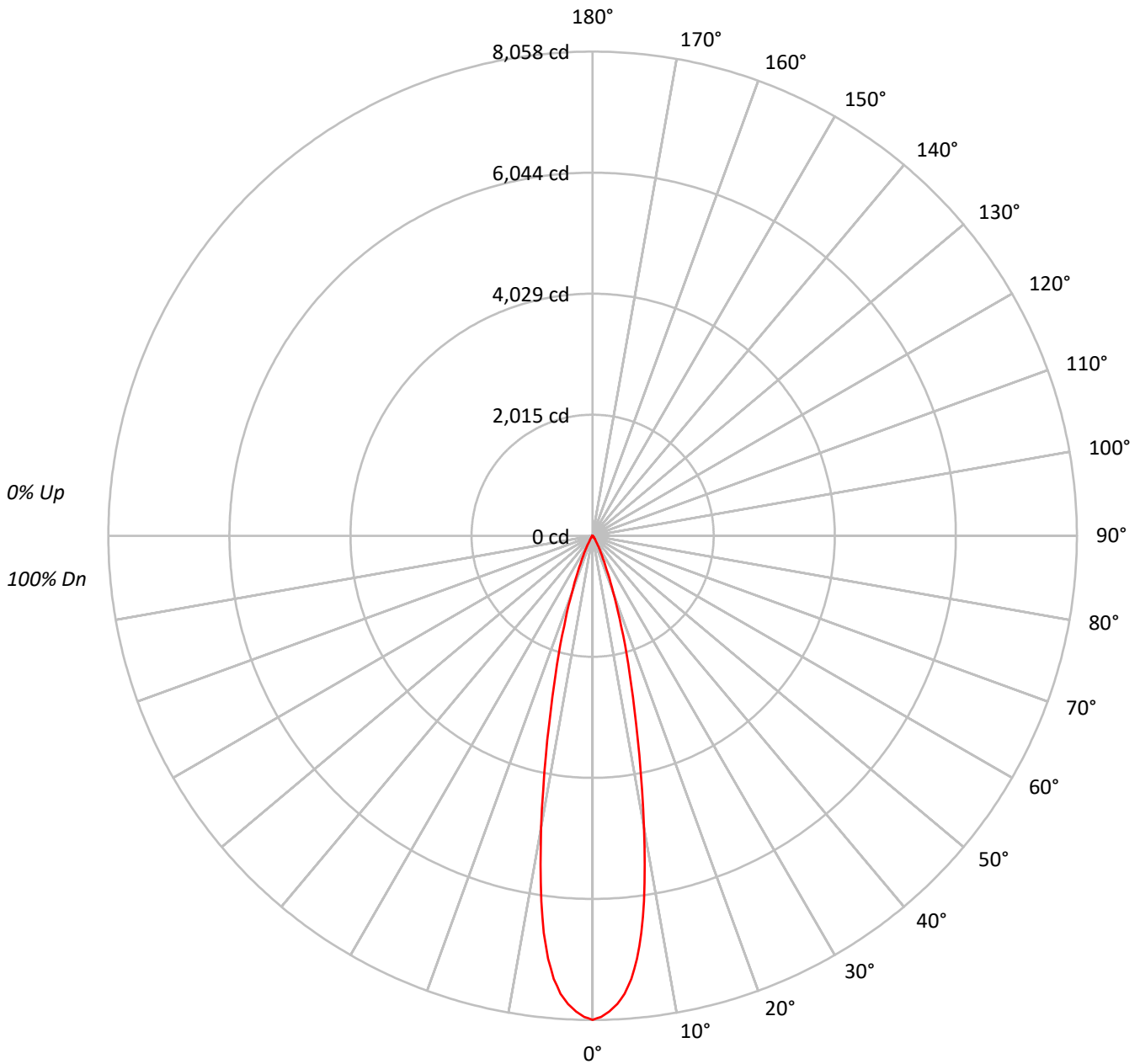
Input Watts (W): 20.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°
0°	3975312
5°	3666210
10°	2470547
15°	1218074
20°	520299
25°	204518
30°	80553
35°	35294
40°	17003
45°	8163
50°	4528
55°	2494
60°	1480
65°	817
70°	1010
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	627.1	40.4
10°-20°	675.3	43.5
20°-30°	195.0	12.6
30°-40°	41.2	2.7
40°-50°	10.1	0.7
50°-60°	2.9	0.2
60°-70°	1.0	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°	1497.4	96.4
0°-40°	1538.6	99.1
0°-60°	1551.6	99.9
0°-90°	1553.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1553.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8058	
5°	7403	627
15°	2385	675
25°	376	195
35°	59	41
45°	12	10
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8057.6
1°	8007.1
2°	7921.4
3°	7805.7
4°	7641.6
5°	7402.8
6°	7080.5
7°	6660.1
8°	6143.0
9°	5540.2
10°	4931.5
11°	4316.3
12°	3735.5
13°	3219.8
14°	2766.4
15°	2384.8
17.5°	1576.2
20°	991.0
22.5°	609.4
25°	375.7
27.5°	229.3
30°	141.4
32.5°	89.4
35°	58.6
37.5°	38.8
40°	26.4
42.5°	18.3
45°	11.7
47.5°	7.3
50°	5.9
52.5°	4.4
55°	2.9
57.5°	2.2
60°	1.5
62.5°	1.5
65°	0.7
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.0
77.5°	0.7
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)