

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: P278291

Luminaire Tested: **LDA2B209730D010 EU2B20SP159730 2LBAD1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P278291  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-1)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA2B209730D010 EU2B20SP159730 2LBAD1LI  
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH SPOT OPTIC AND 2in  
ADJ spun Refl, Self-Flanged, LI  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1482.8 lumens  
Efficiency: N/A  
Efficacy: 72.0 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.28  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

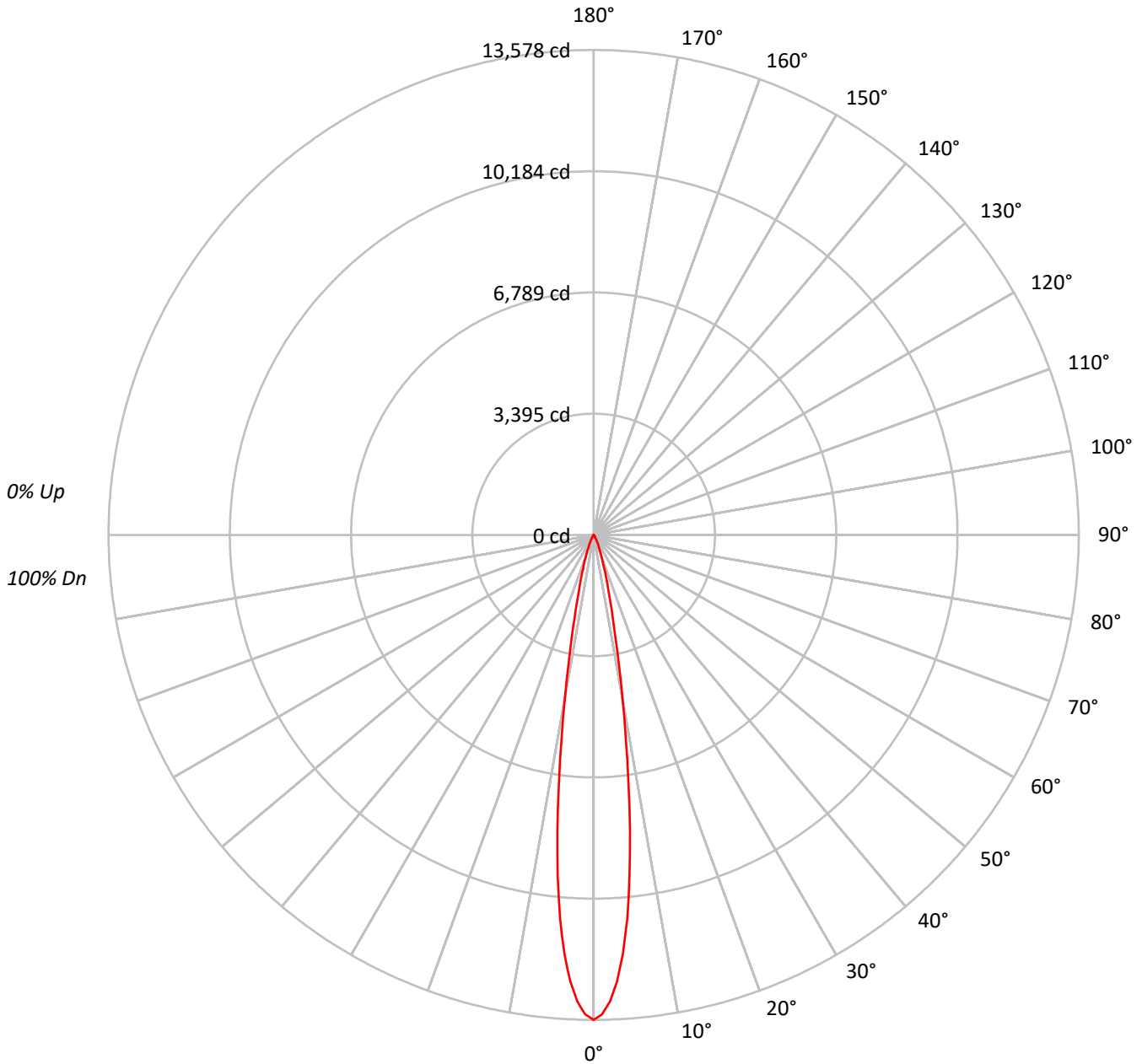
Input Watts (W): 20.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98	99		98
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	96	99		96
3	109	105	102	100	108	104	101	99	102	99	98	100	98	96	97	96	95	93	97		93
4	107	102	99	96	105	101	98	96	99	97	95	98	95	94	96	94	93	92	96		92
5	104	99	96	93	103	99	95	93	97	94	92	96	93	91	94	92	91	90	94		90
6	102	97	93	91	101	96	93	91	95	92	90	94	91	89	93	91	89	88	93		88
7	100	95	91	89	99	94	91	88	93	90	88	92	90	88	91	89	87	86	91		86
8	98	93	89	87	97	92	89	87	91	88	86	90	88	86	90	87	86	85	90		85
9	96	91	87	85	95	90	87	85	90	87	85	89	86	84	88	86	84	83	88		83
10	94	89	86	83	94	89	85	83	88	85	83	87	85	83	87	85	83	82	87		82

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

	0°
0°	6698718
5°	5340638
10°	2318602
15°	801085
20°	328455
25°	148339
30°	59703
35°	27825
40°	15070
45°	5652
50°	3377
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°	815.0	55.0
10°-20°	489.5	33.0
20°-30°	134.7	9.1
30°-40°	32.0	2.2
40°-50°	7.9	0.5
50°-60°	2.6	0.2
60°-70°	1.0	0.1
70°-80°	0.1	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°	1439.2	97.1
0°-40°	1471.2	99.2
0°-60°	1481.7	99.9
0°-90°	1482.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1482.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13578	
5°	10784	815
15°	1568	489
25°	272	135
35°	46	32
45°	8	8
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	13577.7
1°	13427.5
2°	13067.8
3°	12519.2
4°	11744.9
5°	10783.8
6°	9610.2
7°	8324.6
8°	6973.8
9°	5731.4
10°	4628.2
11°	3694.2
12°	2940.4
13°	2371.2
14°	1918.5
15°	1568.4
17.5°	973.6
20°	625.6
22.5°	410.2
25°	272.5
27.5°	175.1
30°	104.8
32.5°	65.9
35°	46.2
37.5°	33.7
40°	23.4
42.5°	13.9
45°	8.1
47.5°	5.9
50°	4.4
52.5°	3.7
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°	0.0
75°	0.0
77.5°	0.0
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)