

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: P278994

Luminaire Tested: **LDA2B208030D010 EU2B20NFL258030 2LBAD1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P278994  
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: LDA2B208030D010 EU2B20NFL258030 2LBAD1H  
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC  
AND 2in ADJ spun Refl, Self-Flanged, H  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2097.7 lumens  
Efficiency: N/A  
Efficacy: 101.8 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

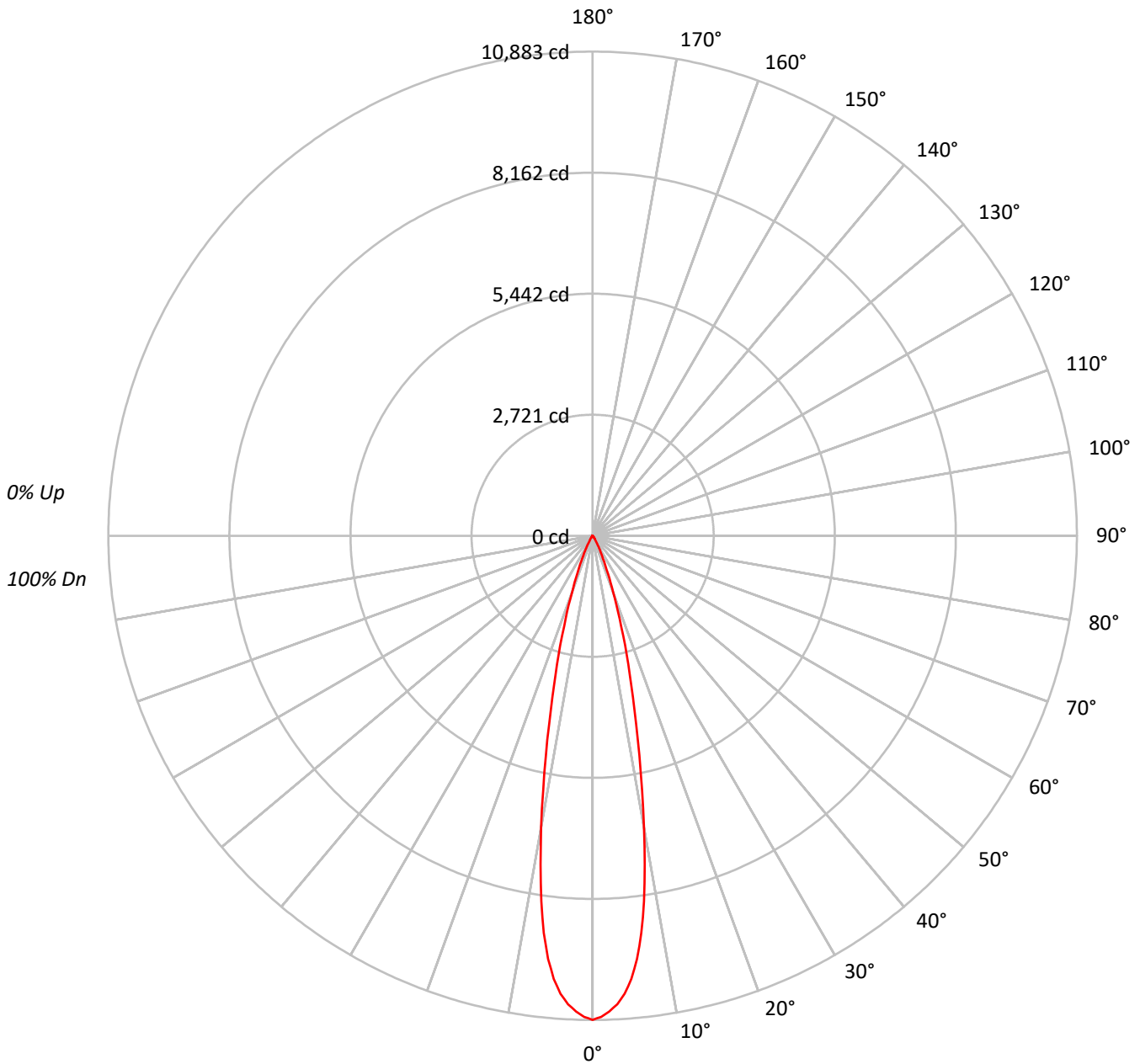
Input Watts (W): 20.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									20									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	77	82	79	77	82	79	77	76													76															

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

	0°
0°	5369355
5°	4951869
10°	3336929
15°	1645227
20°	702745
25°	276265
30°	108753
35°	47641
40°	22928
45°	11024
50°	6064
55°	3441
60°	1973
65°	1167
70°	1442
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	847.0	40.4
10°-20°	912.2	43.5
20°-30°	263.4	12.6
30°-40°	55.6	2.6
40°-50°	13.7	0.7
50°-60°	4.0	0.2
60°-70°	1.4	0.1
70°-80°	0.7	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°	2022.5	96.4
0°-40°	2078.1	99.1
0°-60°	2095.7	99.9
0°-90°	2097.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2097.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10883	
5°	9999	847
15°	3221	912
25°	508	263
35°	79	56
45°	16	14
55°	4	4
65°	1	1
75°	0	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10883.2
1°	10814.9
2°	10699.2
3°	10542.9
4°	10321.3
5°	9998.8
6°	9563.5
7°	8995.6
8°	8297.2
9°	7483.0
10°	6660.9
11°	5829.9
12°	5045.4
13°	4348.9
14°	3736.6
15°	3221.1
17.5°	2129.0
20°	1338.5
22.5°	823.1
25°	507.5
27.5°	309.6
30°	190.9
32.5°	120.7
35°	79.1
37.5°	52.4
40°	35.6
42.5°	24.7
45°	15.8
47.5°	9.9
50°	7.9
52.5°	5.9
55°	4.0
57.5°	3.0
60°	2.0
62.5°	2.0
65°	1.0
67.5°	1.0
70°	1.0
72.5°	1.0
75°	0.0
77.5°	1.0
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)