

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: P279021

Luminaire Tested: **LDA2B208035D010 EU2B20NFL258035 2LBALD1B**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P279021  
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: LDA2B208035D010 EU2B20NFL258035 2LBALD1B  
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC  
AND 2in ADJ spun Refl w/lens Self-Flanged, B  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1978.3 lumens  
Efficiency: N/A  
Efficacy: 96.0 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

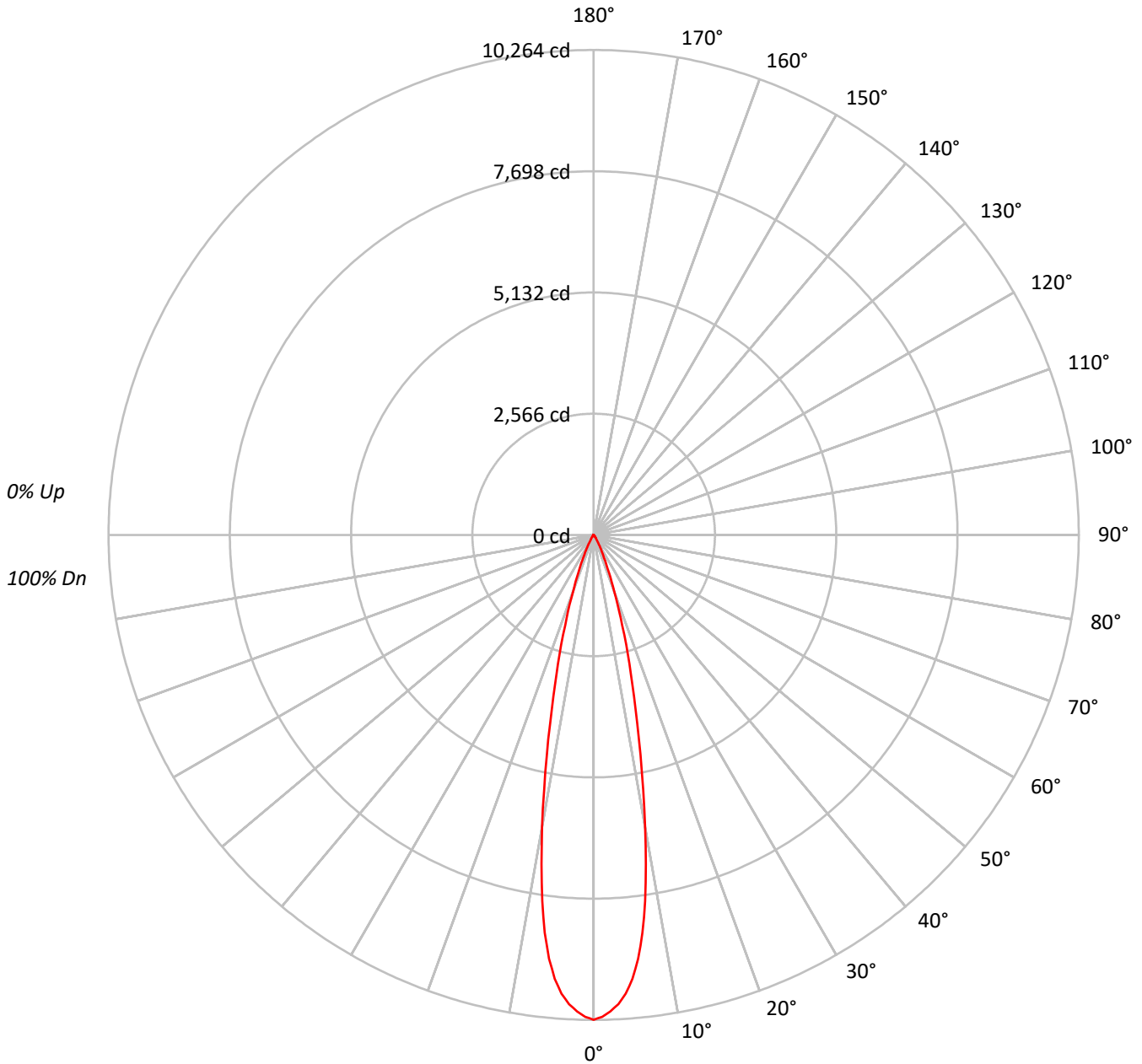
Input Watts (W): 20.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
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	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	78	82	79	77	82	79	77	76				76															

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

	0°
0°	5063816
5°	4670074
10°	3147060
15°	1551604
20°	662739
25°	260533
30°	102600
35°	44930
40°	21640
45°	10396
50°	5757
55°	3183
60°	1875
65°	1051
70°	1298
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	798.8	40.4
10°-20°	860.3	43.5
20°-30°	248.4	12.6
30°-40°	52.4	2.6
40°-50°	12.9	0.7
50°-60°	3.7	0.2
60°-70°	1.3	0.1
70°-80°	0.6	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°	1907.4	96.4
0°-40°	1959.8	99.1
0°-60°	1976.4	99.9
0°-90°	1978.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1978.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10264	
5°	9430	799
15°	3038	860
25°	479	248
35°	75	52
45°	15	13
55°	4	4
65°	1	1
75°	0	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10263.9
1°	10199.5
2°	10090.4
3°	9943.0
4°	9734.0
5°	9429.8
6°	9019.3
7°	8483.8
8°	7825.1
9°	7057.2
10°	6281.9
11°	5498.2
12°	4758.3
13°	4101.5
14°	3523.9
15°	3037.8
17.5°	2007.8
20°	1262.3
22.5°	776.3
25°	478.6
27.5°	292.0
30°	180.1
32.5°	113.8
35°	74.6
37.5°	49.4
40°	33.6
42.5°	23.3
45°	14.9
47.5°	9.3
50°	7.5
52.5°	5.6
55°	3.7
57.5°	2.8
60°	1.9
62.5°	1.9
65°	0.9
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.0
77.5°	0.9
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)