

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: P264680

Luminaire Tested: **LD2B20D010 EU2B2010SP158030 2LBDL\*H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P264680  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1711-432-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD2B20D010 EU2B2010SP158030 2LBDL\*H  
Description: 2000 Lumen, 2inch Portfolio LED Downlight  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1670.0 lumens  
Efficiency: N/A  
Efficacy: 79.9 lumens/watt  
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.32  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

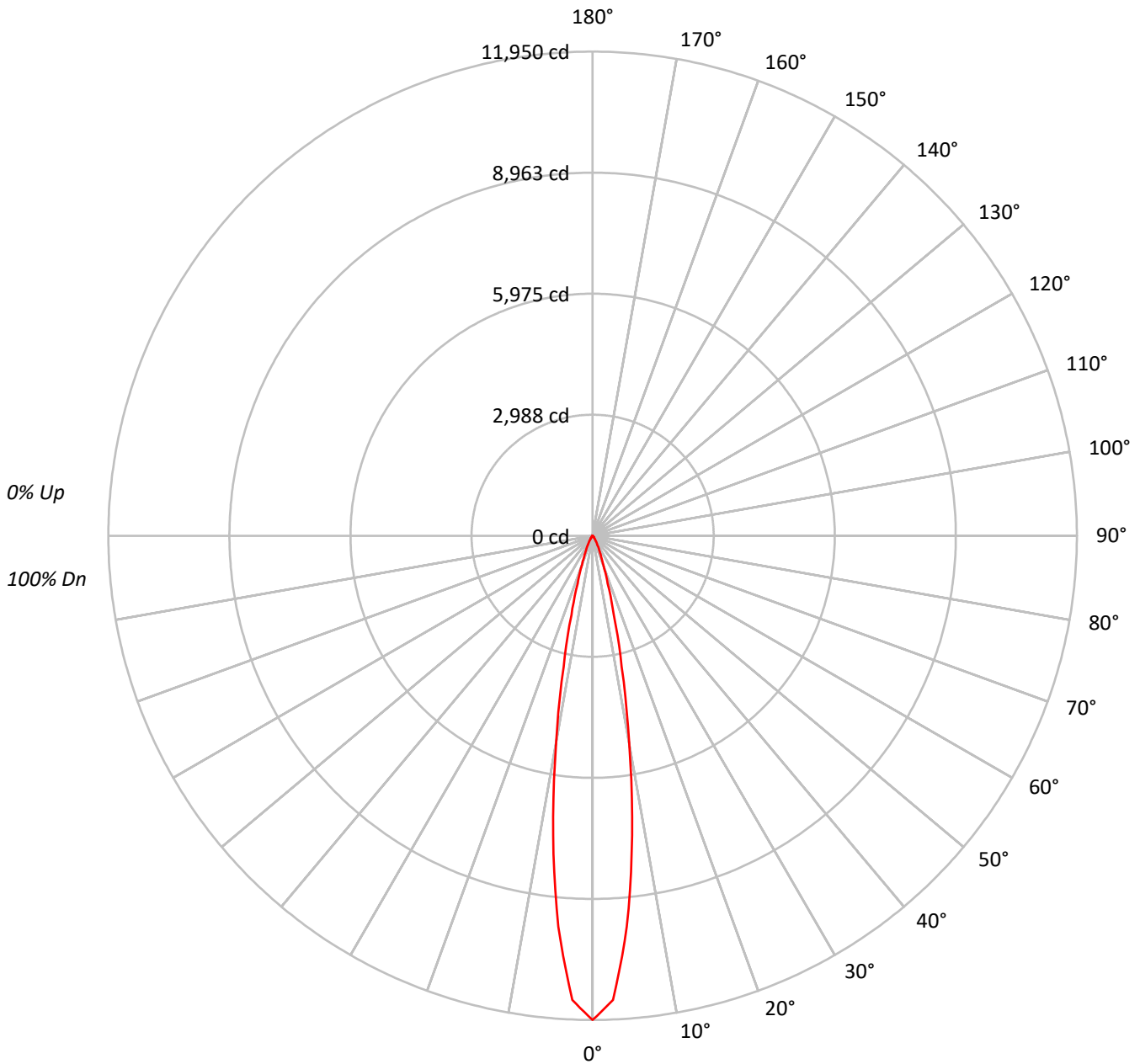
Input Watts (W): 20.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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									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	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	110	108	107	106	105	104	103	102	100	99	99	97									97										
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94									94										
3	109	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92									92										
4	106	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89									89										
5	103	97	93	91	101	96	93	90	95	92	89	93	91	89	92	90	88	87									87										
6	100	94	90	88	99	94	90	87	92	89	87	91	88	86	90	88	86	85									85										
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83									83										
8	95	89	86	83	94	89	85	83	88	85	82	87	84	82	86	84	82	81									81										
9	93	87	83	81	92	87	83	81	86	83	81	85	82	80	85	82	80	79									79										
10	91	85	82	79	91	85	81	79	84	81	79	84	81	79	83	80	78	78									78										

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

	0°
0°	5895427
5°	4798293
10°	2591932
15°	1033483
20°	414402
25°	198421
30°	102885
35°	54386
40°	30141
45°	18699
50°	12818
55°	8602
60°	6611
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	779.2	46.7
10°-20°	614.8	36.8
20°-30°	181.3	10.9
30°-40°	60.4	3.6
40°-50°	22.7	1.4
50°-60°	10.0	0.6
60°-70°	1.6	0.1
70°-80°	0.0	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°	1575.3	94.3
0°-40°	1635.6	97.9
0°-60°	1668.4	99.9
0°-90°	1670.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1670.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11950	
5°	9689	779
15°	2023	615
25°	364	181
35°	90	60
45°	27	23
55°	10	10
65°	0	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11949.5
2.5°	11467.9
5°	9688.7
7.5°	7464.7
10°	5173.8
12.5°	3311.0
15°	2023.4
17.5°	1234.1
20°	789.3
22.5°	528.4
25°	364.5
27.5°	257.5
30°	180.6
32.5°	127.1
35°	90.3
37.5°	63.5
40°	46.8
42.5°	36.8
45°	26.8
47.5°	23.4
50°	16.7
52.5°	13.4
55°	10.0
57.5°	10.0
60°	6.7
62.5°	3.3
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)