

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: P264001

Luminaire Tested: **LD2B15D010 EU2B1510SP158030 2LBSQC\*MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P264001  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-787-1)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD2B15D010 EU2B1510SP158030 2LBSQC\*MW  
Description: 1500 Lumen, 2inch Portfolio LED Downlight  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1175.0 lumens  
Efficiency: N/A  
Efficacy: 82.2 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

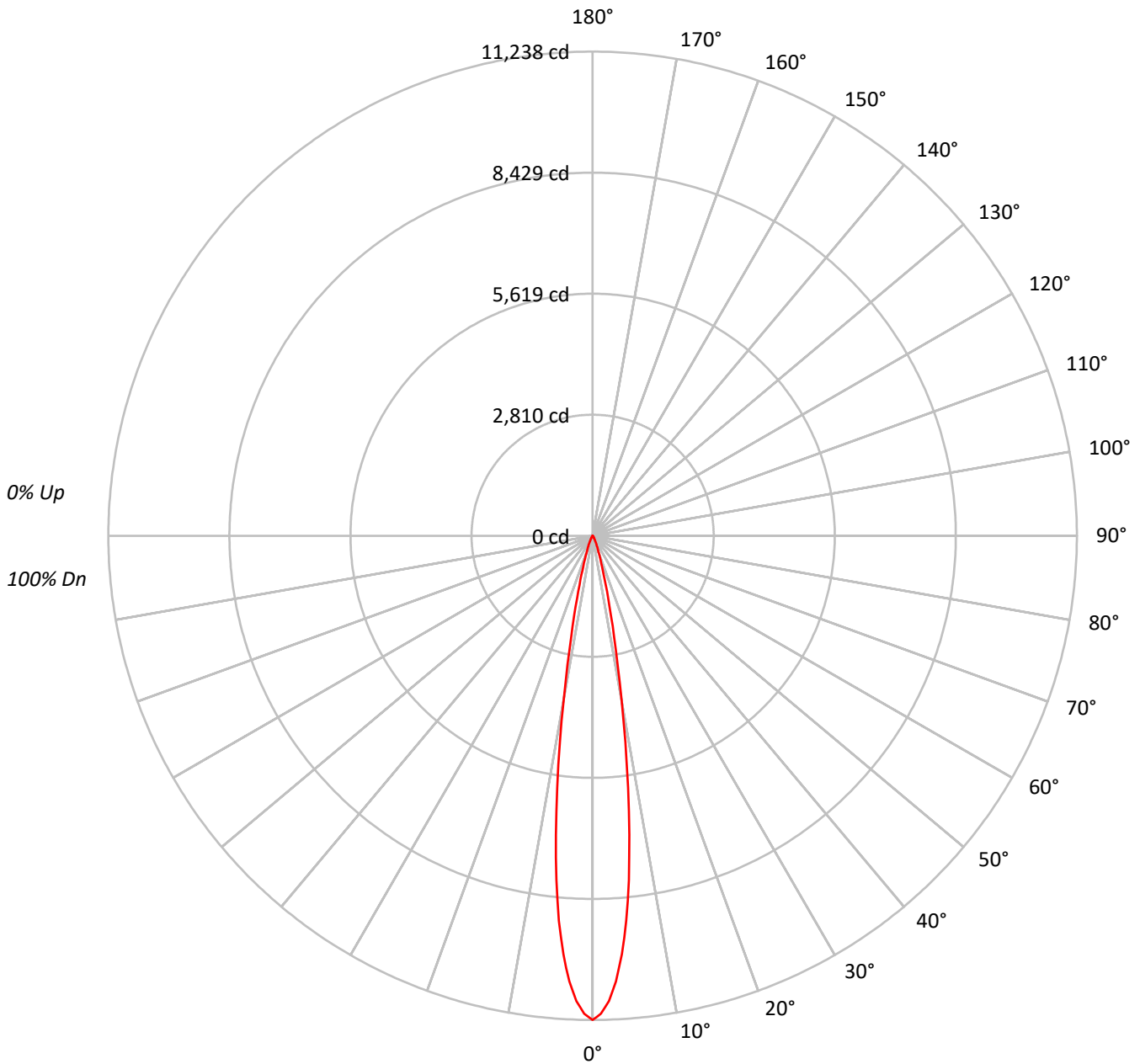
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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																												
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	98	97	96	95	94	93	92	91	90	89																			
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96	95	94	93	92	91	90	89	88	87																			
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	94	93	92	91	90	89	88	87	86	85																			
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	92	91	90	89	88	87	86	85	84	83																			
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	90	89	88	87	86	85	84	83	82	81																			
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	89	88	87	86	85	84	83	82	81	80																			
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	87	86	85	84	83	82	81	80	79	78																			
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	86	85	84	83	82	81	80	79	78	77																			
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	84	83	82	81	80	79	78	77	76	75																			
10	95	90	87	85	95	90	87	85	89	86	85	89	86	84	88	86	84	83	82	81	80	79	78	77	76	75	74																			

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

	0°
0°	5544350
5°	4444093
10°	1939666
15°	601069
20°	209537
25°	92542
30°	41929
35°	21803
40°	12430
45°	5861
50°	3684
55°	2064
60°	1184
65°	1401
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	681.4	58.0
10°-20°	373.2	31.8
20°-30°	85.1	7.2
30°-40°	24.5	2.1
40°-50°	7.5	0.6
50°-60°	2.3	0.2
60°-70°	1.0	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°	1139.7	97.0
0°-40°	1164.1	99.1
0°-60°	1173.9	99.9
0°-90°	1175.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1175.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11238	
5°	8974	681
15°	1177	373
25°	170	85
35°	36	24
45°	8	8
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11237.9
1°	11098.1
2°	10807.5
3°	10356.5
4°	9736.7
5°	8973.5
6°	8037.8
7°	6992.4
8°	5901.1
9°	4844.9
10°	3871.8
11°	3048.2
12°	2399.5
13°	1888.3
14°	1491.6
15°	1176.8
16°	928.5
17°	739.1
18°	594.5
19°	483.5
20°	399.1
22.5°	258.0
25°	170.0
26°	143.5
27°	121.8
28°	102.5
29°	85.6
30°	73.6
32.5°	50.6
35°	36.2
37.5°	26.5
40°	19.3
42.5°	13.3
45°	8.4
47.5°	6.0
50°	4.8
52.5°	3.6
55°	2.4
57.5°	1.2
60°	1.2
62.5°	1.2
65°	1.2
67.5°	1.2



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**CANDELA DISTRIBUTION (continued):**

	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°







70°		0.0
72.5°		0.0



(END OF REPORT)