

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: P264573

Luminaire Tested: **LD2B15D010 EU2B1510SP159730 2LBSQC\*MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P264573  
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 EU2B1510SP159730 2LBSQC\*MW  
Description: 1500 Lumen, 2inch Portfolio LED Downlight  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 870.0 lumens  
Efficiency: N/A  
Efficacy: 60.8 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

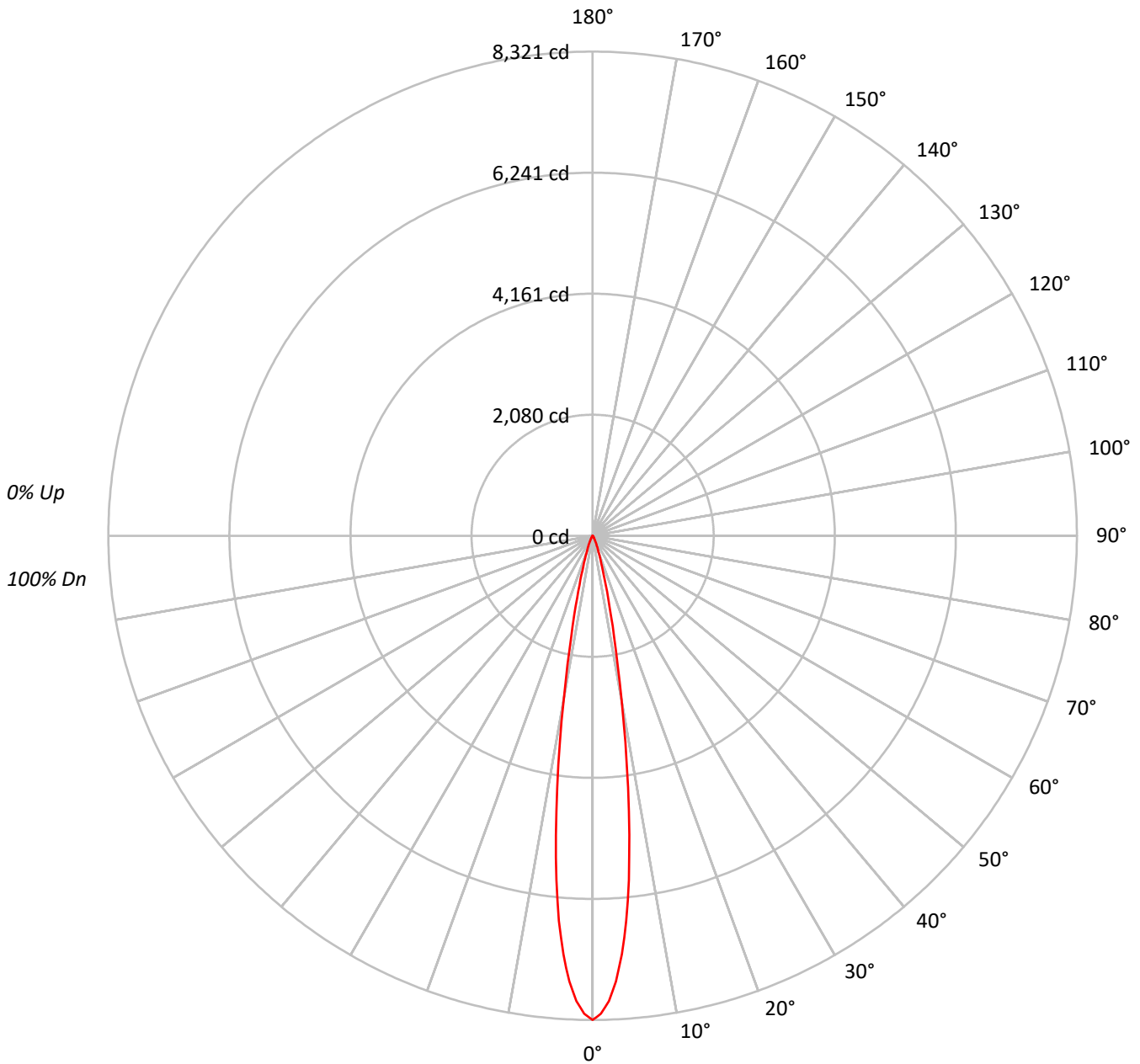
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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									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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	98	98	97	96	96	95	94	92	92	98										
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96	96	95	94	92	92	91	90	89	87										
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	94	92	92	91	90	89	87	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	87	86	85	84	83	82										
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	90	89	87	86	85	84	83	82	81	80										
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	89	87	86	85	84	83	82	81	80	79										
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°	4105214
5°	3290516
10°	1436189
15°	445081
20°	155145
25°	68535
30°	31048
35°	16141
40°	9210
45°	4326
50°	2763
55°	1548
60°	888
65°	1051
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	504.6	58.0
10°-20°	276.3	31.8
20°-30°	63.0	7.2
30°-40°	18.1	2.1
40°-50°	5.6	0.6
50°-60°	1.7	0.2
60°-70°	0.8	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°	843.9	97.0
0°-40°	862.0	99.1
0°-60°	869.2	99.9
0°-90°	870.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	870.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8321	
5°	6644	505
15°	871	276
25°	126	63
35°	27	18
45°	6	6
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8320.9
1°	8217.3
2°	8002.1
3°	7668.2
4°	7209.3
5°	6644.2
6°	5951.4
7°	5177.3
8°	4369.3
9°	3587.3
10°	2866.8
11°	2257.0
12°	1776.7
13°	1398.1
14°	1104.4
15°	871.4
16°	687.5
17°	547.3
18°	440.1
19°	358.0
20°	295.5
22.5°	191.1
25°	125.9
26°	106.2
27°	90.2
28°	75.9
29°	63.4
30°	54.5
32.5°	37.5
35°	26.8
37.5°	19.6
40°	14.3
42.5°	9.8
45°	6.2
47.5°	4.5
50°	3.6
52.5°	2.7
55°	1.8
57.5°	0.9
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.9



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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)