

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: P264232

Luminaire Tested: **LD2B05D010 EU2B0510SP159027 2LBDC\*MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P264232  
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: LD2B05D010 EU2B0510SP159027 2LBDC\*MW  
Description: 500 Lumen, 2inch Portfolio LED Downlight  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 559.0 lumens  
Efficiency: N/A  
Efficacy: 76.6 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

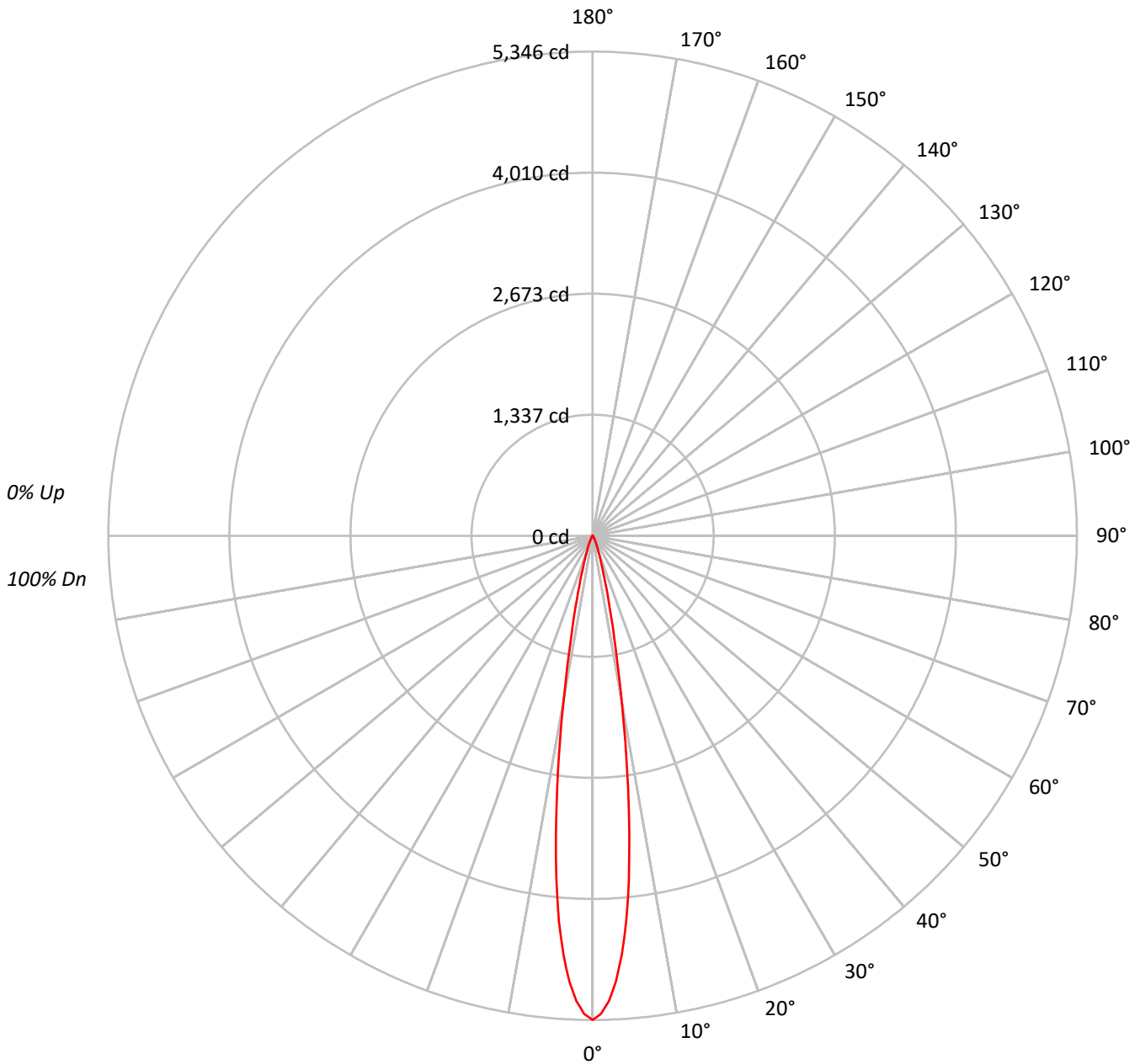
Input Watts (W): 7.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96			96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	94			94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	92			92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	90			90
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	89			89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	87			87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	86			86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85			85
10	95	90	87	85	95	90	87	85	89	86	85	89	86	84	88	86	84	83			83

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

	0°
0°	2637709
5°	2114256
10°	922792
15°	285978
20°	99702
25°	44039
30°	19939
35°	10359
40°	5925
45°	2791
50°	1765
55°	946
60°	592
65°	700
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	324.2	58.0
10°-20°	177.5	31.8
20°-30°	40.5	7.2
30°-40°	11.6	2.1
40°-50°	3.6	0.6
50°-60°	1.1	0.2
60°-70°	0.5	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°	542.2	97.0
0°-40°	553.8	99.1
0°-60°	558.5	99.9
0°-90°	559.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	559.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5346	
5°	4269	324
15°	560	178
25°	81	40
35°	17	12
45°	4	4
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5346.4
1°	5279.8
2°	5141.6
3°	4927.1
4°	4632.2
5°	4269.1
6°	3823.9
7°	3326.6
8°	2807.4
9°	2304.9
10°	1842.0
11°	1450.2
12°	1141.6
13°	898.3
14°	709.6
15°	559.9
16°	441.7
17°	351.6
18°	282.8
19°	230.0
20°	189.9
22.5°	122.8
25°	80.9
26°	68.3
27°	57.9
28°	48.8
29°	40.7
30°	35.0
32.5°	24.1
35°	17.2
37.5°	12.6
40°	9.2
42.5°	6.3
45°	4.0
47.5°	2.9
50°	2.3
52.5°	1.7
55°	1.1
57.5°	0.6
60°	0.6
62.5°	0.6
65°	0.6
67.5°	0.6



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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)