

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: P264171

Luminaire Tested: **LD2B20D010 EU2B2010SP158050 2LBSQC\*MMS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P264171  
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: LD2B20D010 EU2B2010SP158050 2LBSQC\*MMS  
Description: 2000 Lumen, 2inch Portfolio LED Downlight  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1906.1 lumens  
Efficiency: N/A  
Efficacy: 91.2 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

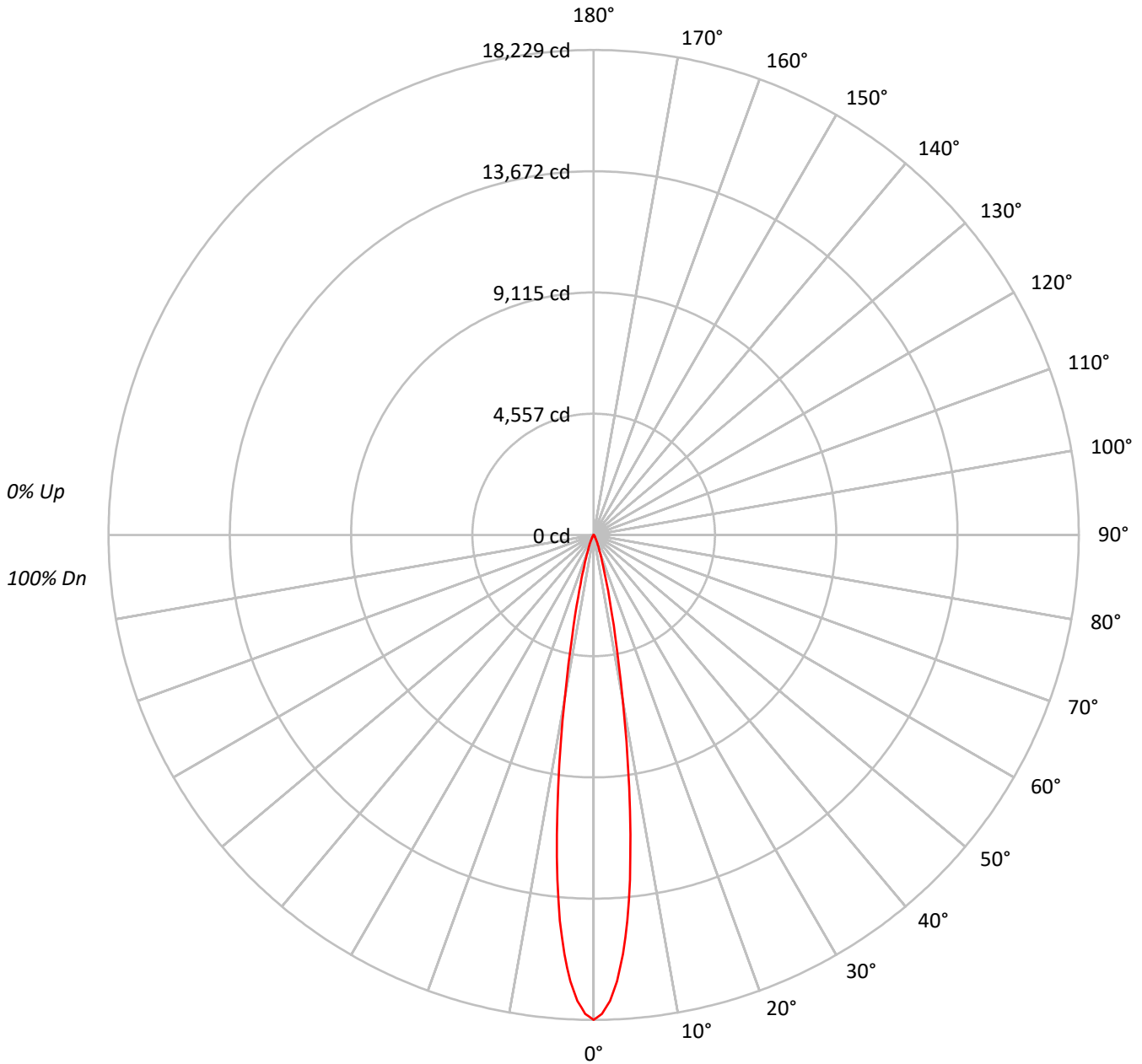
Input Watts (W): 20.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20				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°	8993689
5°	7208855
10°	3146359
15°	975052
20°	339901
25°	150136
30°	67963
35°	35354
40°	20158
45°	9559
50°	5987
55°	3355
60°	1973
65°	2335
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1105.4	58.0
10°-20°	605.4	31.8
20°-30°	138.0	7.2
30°-40°	39.7	2.1
40°-50°	12.2	0.6
50°-60°	3.7	0.2
60°-70°	1.7	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°	1848.7	97.0
0°-40°	1888.4	99.1
0°-60°	1904.3	99.9
0°-90°	1906.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1906.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	18229	
5°	14556	###
15°	1909	605
25°	276	138
35°	59	40
45°	14	12
55°	4	4
65°	2	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	18229.4
1°	18002.5
2°	17531.1
3°	16799.6
4°	15794.2
5°	14556.1
6°	13038.3
7°	11342.5
8°	9572.4
9°	7859.0
10°	6280.5
11°	4944.6
12°	3892.3
13°	3063.0
14°	2419.5
15°	1909.0
16°	1506.1
17°	1199.0
18°	964.3
19°	784.3
20°	647.4
22.5°	418.6
25°	275.8
26°	232.8
27°	197.5
28°	166.3
29°	138.9
30°	119.3
32.5°	82.1
35°	58.7
37.5°	43.0
40°	31.3
42.5°	21.5
45°	13.7
47.5°	9.8
50°	7.8
52.5°	5.9
55°	3.9
57.5°	2.0
60°	2.0
62.5°	2.0
65°	2.0
67.5°	2.0



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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)