

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: P278054

Luminaire Tested: **LDA2B109050D010 EU2B10SP159050 2LBAD1WMH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P278054  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-1)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA2B109050D010 EU2B10SP159050 2LBAD1WMH  
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH SPOT OPTIC AND 2in  
ADJ spun Refl, Self-Flanged, WMH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 950.6 lumens  
Efficiency: N/A  
Efficacy: 95.1 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

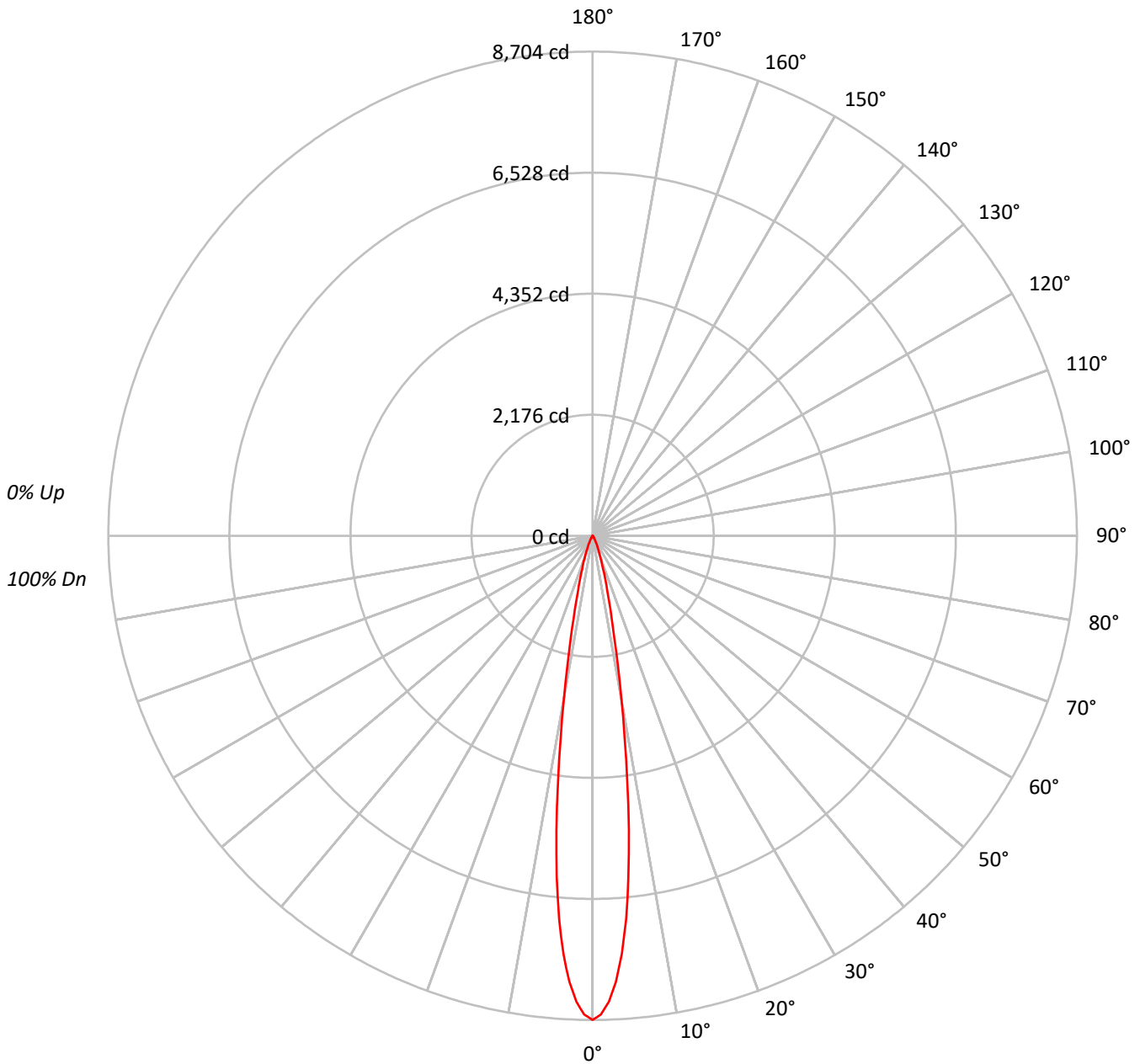
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98	97	96	95	94	93	92	91	90	89																			
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	96	95	94	93	92	91	90	89	88	87																			
3	109	105	102	100	108	104	101	99	102	99	98	100	98	96	97	96	95	94	93	92	91	90	89	88	87	86	85																			
4	107	102	99	96	105	101	98	96	99	97	95	98	95	94	96	94	93	92	91	90	89	88	87	86	85	84	83																			
5	104	99	96	93	103	99	95	93	97	94	92	96	93	91	94	92	91	90	89	88	87	86	85	84	83	82	81																			
6	102	97	93	91	101	96	93	91	95	92	90	94	91	89	93	91	89	88	87	86	85	84	83	82	81	80	79																			
7	100	95	91	89	99	94	91	88	93	90	88	92	90	88	91	89	87	86	85	84	83	82	81	80	79	78	77																			
8	98	93	89	87	97	92	89	87	91	88	86	90	88	86	89	87	86	85	84	83	82	81	80	79	78	77	76																			
9	96	91	87	85	95	90	87	85	90	87	85	89	86	84	88	86	84	83	82	81	80	79	78	77	76	75	74																			
10	94	89	86	83	94	89	85	83	88	85	83	87	85	83	87	85	83	82	81	80	79	78	77	76	75	74	73																			

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

	0°
0°	4294270
5°	3423638
10°	1486386
15°	513524
20°	210535
25°	95100
30°	38283
35°	17828
40°	9661
45°	3628
50°	2149
55°	1634
60°	888
65°	584
70°	721
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	522.5	55.0
10°-20°	313.8	33.0
20°-30°	86.4	9.1
30°-40°	20.6	2.2
40°-50°	5.1	0.5
50°-60°	1.7	0.2
60°-70°	0.6	0.1
70°-80°	0.1	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°	922.6	97.1
0°-40°	943.1	99.2
0°-60°	949.9	99.9
0°-90°	950.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	950.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8704	
5°	6913	522
15°	1005	314
25°	175	86
35°	30	21
45°	5	5
55°	2	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8704.1
1°	8607.8
2°	8377.3
3°	8025.5
4°	7529.2
5°	6913.0
6°	6160.7
7°	5336.6
8°	4470.6
9°	3674.2
10°	2967.0
11°	2368.2
12°	1885.0
13°	1520.1
14°	1229.9
15°	1005.4
17.5°	624.1
20°	401.0
22.5°	263.0
25°	174.7
27.5°	112.2
30°	67.2
32.5°	42.3
35°	29.6
37.5°	21.6
40°	15.0
42.5°	8.9
45°	5.2
47.5°	3.8
50°	2.8
52.5°	2.3
55°	1.9
57.5°	1.4
60°	0.9
62.5°	0.9
65°	0.5
67.5°	0.5
70°	0.5
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



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**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0



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— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)