

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: P277977

Luminaire Tested: **LDA2B108027D010 EU2B10SP158027 2LBAD1GPH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P277977  
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: LDA2B108027D010 EU2B10SP158027 2LBAD1GPH  
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH SPOT OPTIC AND 2in  
ADJ spun Refl, Self-Flanged, GPH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1061.4 lumens  
Efficiency: N/A  
Efficacy: 106.1 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

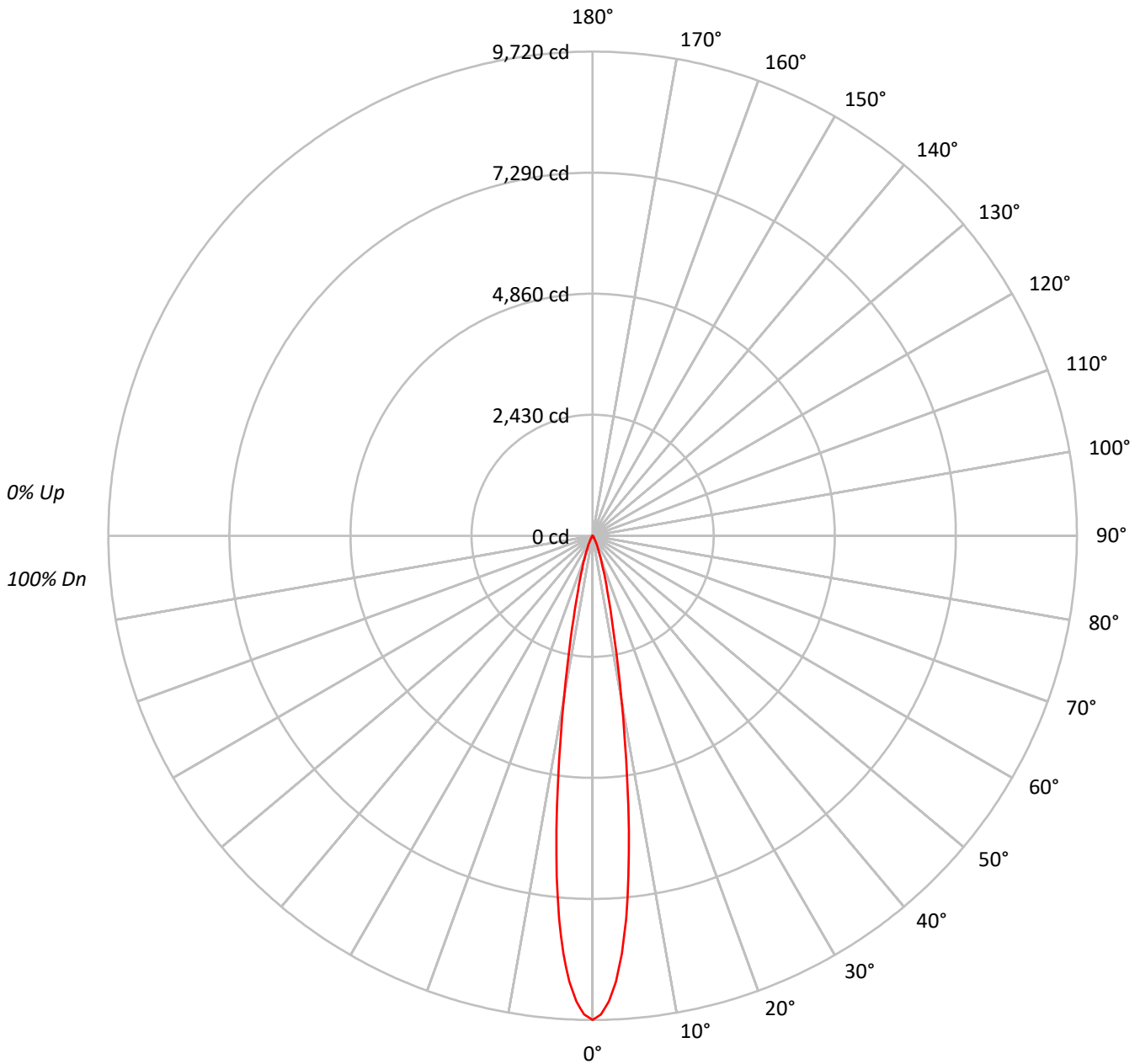
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°
0°	4795230
5°	3823054
10°	1659773
15°	573437
20°	235106
25°	106206
30°	42726
35°	19875
40°	10820
45°	4047
50°	2379
55°	1806
60°	987
65°	584
70°	721
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	583.4	55.0
10°-20°	350.4	33.0
20°-30°	96.4	9.1
30°-40°	22.9	2.2
40°-50°	5.7	0.5
50°-60°	1.9	0.2
60°-70°	0.7	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°	1030.2	97.1
0°-40°	1053.2	99.2
0°-60°	1060.7	99.9
0°-90°	1061.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1061.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9720	
5°	7720	583
15°	1123	350
25°	195	96
35°	33	23
45°	6	6
55°	2	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9719.5
1°	9612.0
2°	9354.5
3°	8961.7
4°	8407.5
5°	7719.5
6°	6879.4
7°	5959.1
8°	4992.1
9°	4102.8
10°	3313.1
11°	2644.5
12°	2104.9
13°	1697.4
14°	1373.4
15°	1122.7
17.5°	696.9
20°	447.8
22.5°	293.7
25°	195.1
27.5°	125.3
30°	75.0
32.5°	47.2
35°	33.0
37.5°	24.1
40°	16.8
42.5°	10.0
45°	5.8
47.5°	4.2
50°	3.1
52.5°	2.6
55°	2.1
57.5°	1.6
60°	1.0
62.5°	1.0
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)