

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: P280372

Luminaire Tested: **LDA2B108040D010 EU2B10WFL558040 2LBAD1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P280372  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-5)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA2B108040D010 EU2B10WFL558040 2LBAD1MW  
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND  
2in ADJ spun Refl, Self-Flanged, MW  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1221.6 lumens  
Efficiency: N/A  
Efficacy: 122.2 lumens/watt  
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.73  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

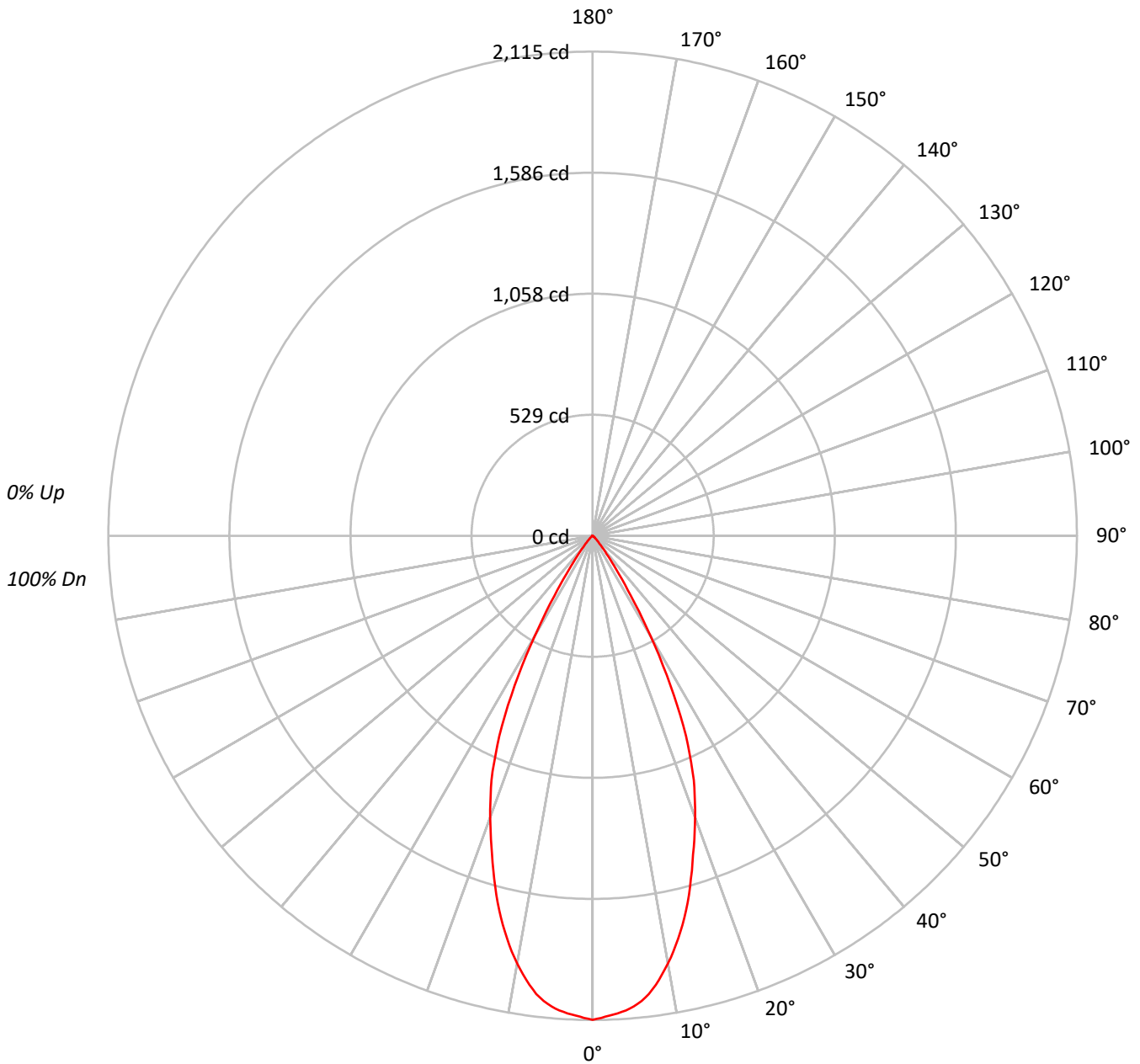
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	112	109	107	112	110	108	106	106	104	103	102	101	99	98	97	97	95		
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90		
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85		
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80		
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76		
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72		
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69		
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65		
9	81	73	68	64	80	72	68	64	72	67	64	71	67	64	70	66	64	62		
10	78	70	65	61	77	69	64	61	69	64	61	68	64	61	67	63	61	59		

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

	0°
0°	1043263
5°	1021990
10°	950395
15°	829790
20°	686995
25°	525421
30°	287520
35°	106424
40°	36839
45°	16606
50°	7829
55°	3871
60°	1085
65°	700
70°	865
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	191.8	15.7
10°-20°	449.0	36.8
20°-30°	424.4	34.7
30°-40°	130.7	10.7
40°-50°	20.7	1.7
50°-60°	4.4	0.4
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°	1065.2	87.2
0°-40°	1195.8	97.9
0°-60°	1220.8	99.9
0°-90°	1221.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1221.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2115	
5°	2064	192
15°	1625	449
25°	965	424
35°	177	131
45°	24	21
55°	4	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2114.6
1°	2106.7
2°	2097.0
3°	2089.1
4°	2078.9
5°	2063.6
6°	2043.8
7°	2017.2
8°	1981.5
9°	1940.1
10°	1897.1
11°	1849.5
12°	1799.1
13°	1744.1
14°	1686.9
15°	1624.6
17.5°	1459.8
20°	1308.5
22.5°	1155.0
25°	965.2
27.5°	736.4
30°	504.7
32.5°	309.9
35°	176.7
37.5°	98.6
40°	57.2
42.5°	35.7
45°	23.8
47.5°	15.9
50°	10.2
52.5°	6.8
55°	4.5
57.5°	2.8
60°	1.1
62.5°	0.6
65°	0.6
67.5°	0.6
70°	0.6
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)