

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: P280168

Luminaire Tested: **LDA2B058050D010 EU2B05WFL558050 2LBAD1WHH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P280168  
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: LDA2B058050D010 EU2B05WFL558050 2LBAD1WHH  
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND  
2in ADJ spun Refl, Self-Flanged, WHH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 893.3 lumens  
Efficiency: N/A  
Efficacy: 127.6 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

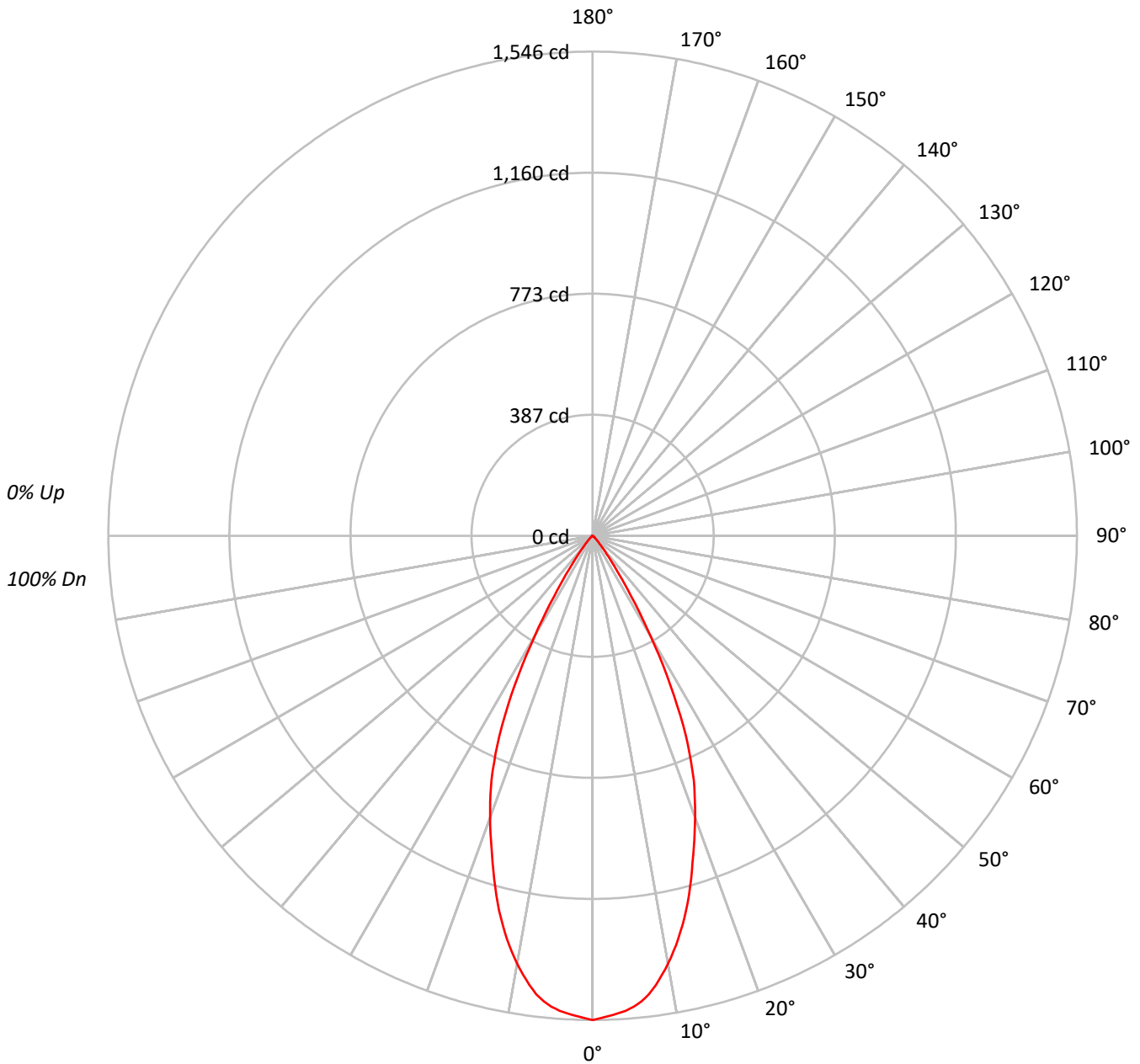
Input Watts (W): 7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	762885
5°	747376
10°	694999
15°	606790
20°	502396
25°	384267
30°	210271
35°	77815
40°	26921
45°	12140
50°	5757
55°	2838
60°	789
65°	467
70°	577
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.2	15.7
10°-20°	328.4	36.8
20°-30°	310.4	34.7
30°-40°	95.5	10.7
40°-50°	15.1	1.7
50°-60°	3.2	0.4
60°-70°	0.4	0.0
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°	778.9	87.2
0°-40°	874.5	97.9
0°-60°	892.8	99.9
0°-90°	893.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	893.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1546	
5°	1509	140
15°	1188	328
25°	706	310
35°	129	96
45°	17	15
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1546.3
1°	1540.5
2°	1533.5
3°	1527.7
4°	1520.3
5°	1509.1
6°	1494.6
7°	1475.1
8°	1449.0
9°	1418.8
10°	1387.3
11°	1352.5
12°	1315.6
13°	1275.4
14°	1233.6
15°	1188.0
17.5°	1067.5
20°	956.9
22.5°	844.6
25°	705.9
27.5°	538.5
30°	369.1
32.5°	226.6
35°	129.2
37.5°	72.1
40°	41.8
42.5°	26.1
45°	17.4
47.5°	11.6
50°	7.5
52.5°	5.0
55°	3.3
57.5°	2.1
60°	0.8
62.5°	0.4
65°	0.4
67.5°	0.4
70°	0.4
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)