

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: P277945

Luminaire Tested: **LDA2B059050D010 EU2B05SP159050 2LBAD1GPH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P277945  
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: LDA2B059050D010 EU2B05SP159050 2LBAD1GPH  
Description: PORTFOLIO 2IN ADJ 500 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: 699.7 lumens  
Efficiency: N/A  
Efficacy: 100.0 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

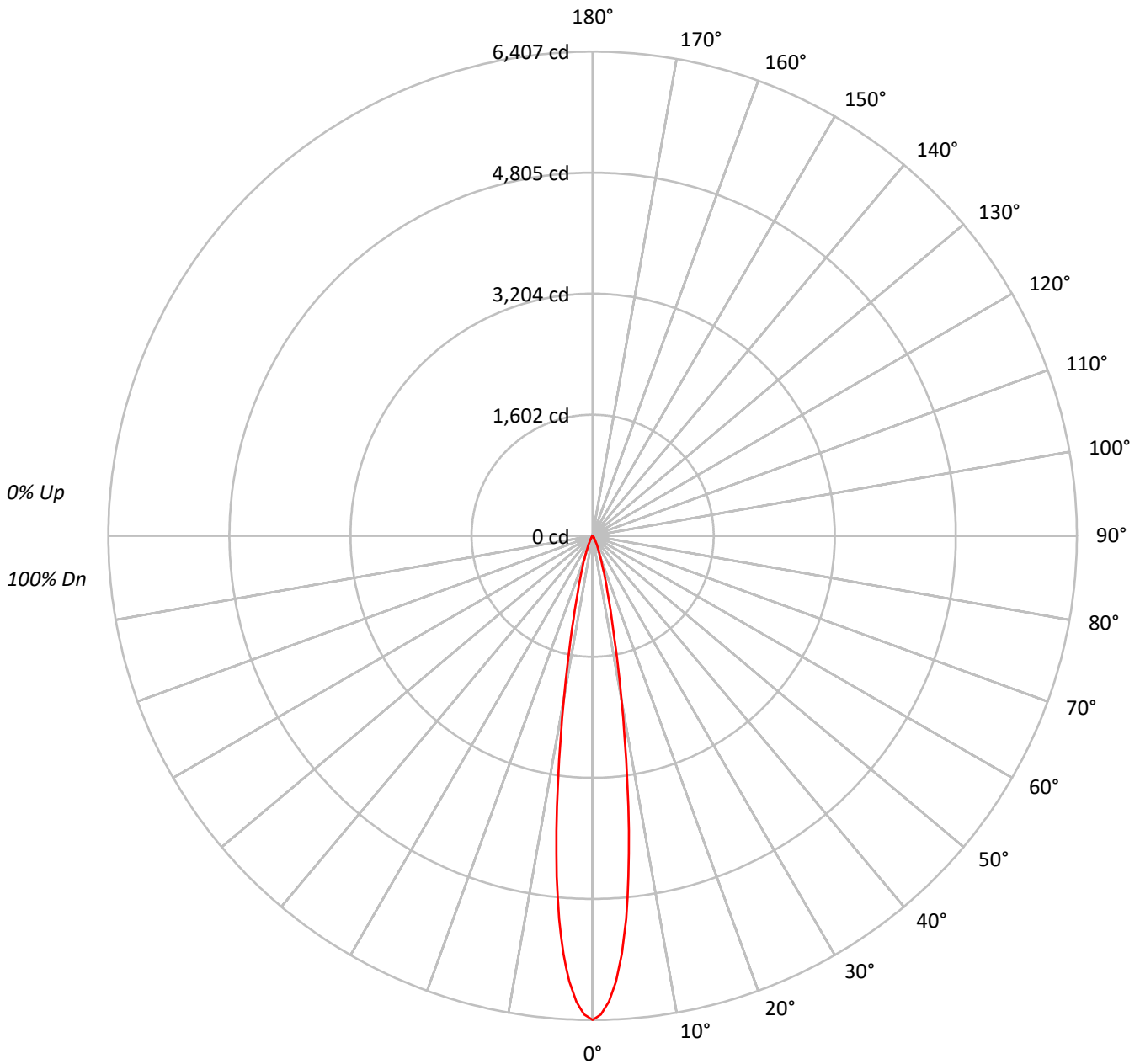
Input Watts (W): 7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°
0°	3160920
5°	2520061
10°	1094074
15°	378018
20°	154987
25°	70005
30°	28142
35°	13130
40°	7149
45°	2651
50°	1612
55°	1204
60°	691
65°	350
70°	433
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	384.6	55.0
10°-20°	231.0	33.0
20°-30°	63.6	9.1
30°-40°	15.1	2.2
40°-50°	3.7	0.5
50°-60°	1.2	0.2
60°-70°	0.4	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°	679.1	97.1
0°-40°	694.2	99.2
0°-60°	699.2	99.9
0°-90°	699.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	699.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6407	
5°	5088	385
15°	740	231
25°	129	64
35°	22	15
45°	4	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6406.9
1°	6336.0
2°	6166.3
3°	5907.4
4°	5542.0
5°	5088.5
6°	4534.8
7°	3928.1
8°	3290.7
9°	2704.5
10°	2183.9
11°	1743.2
12°	1387.5
13°	1118.9
14°	905.3
15°	740.1
17.5°	459.4
20°	295.2
22.5°	193.6
25°	128.6
27.5°	82.6
30°	49.4
32.5°	31.1
35°	21.8
37.5°	15.9
40°	11.1
42.5°	6.6
45°	3.8
47.5°	2.8
50°	2.1
52.5°	1.7
55°	1.4
57.5°	1.0
60°	0.7
62.5°	0.7
65°	0.3
67.5°	0.3
70°	0.3
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)