

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: P280635

Luminaire Tested: **LDA2B159024D010 EU2B15WFL559024 2LBALD1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P280635  
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: LDA2B159024D010 EU2B15WFL559024 2LBALD1H  
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND  
2in ADJ spun Refl w/lens Self-Flanged, LI  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1085.6 lumens  
Efficiency: N/A  
Efficacy: 77.0 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

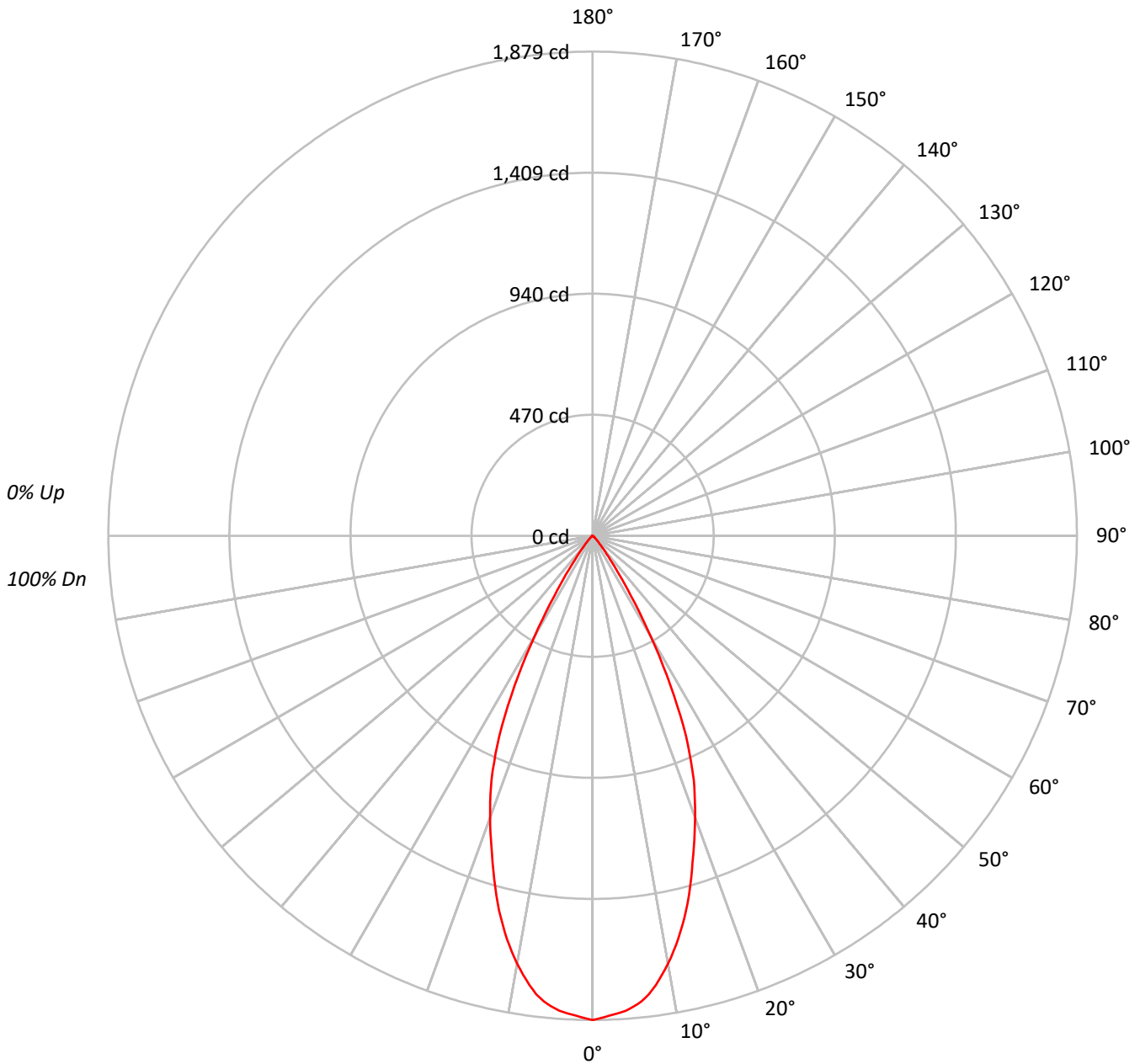
Input Watts (W): 14.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	114	112	109	107	112	110	108	106	106	104	103	102	101	99	98	97	97	95						95													
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90						90													
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85						85													
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80						80													
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76						76													
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72						72													
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69						69													
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65						65													
9	81	73	68	64	80	72	68	64	72	67	64	71	67	64	70	66	64	62						62													
10	78	70	65	61	77	69	64	61	69	64	61	68	64	61	67	63	61	59						59													

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

	0°
0°	927175
5°	908282
10°	844640
15°	737444
20°	610551
25°	466956
30°	255504
35°	94619
40°	32717
45°	14722
50°	6985
55°	3441
60°	987
65°	584
70°	721
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.4	15.7
10°-20°	399.0	36.8
20°-30°	377.2	34.7
30°-40°	116.1	10.7
40°-50°	18.3	1.7
50°-60°	3.9	0.4
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°	946.6	87.2
0°-40°	1062.7	97.9
0°-60°	1085.0	99.9
0°-90°	1085.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1085.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1879	
5°	1834	170
15°	1444	399
25°	858	377
35°	157	116
45°	21	18
55°	4	4
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1879.3
1°	1872.2
2°	1863.7
3°	1856.6
4°	1847.5
5°	1834.0
6°	1816.3
7°	1792.7
8°	1761.0
9°	1724.2
10°	1686.0
11°	1643.7
12°	1598.9
13°	1550.0
14°	1499.2
15°	1443.8
17.5°	1297.3
20°	1162.9
22.5°	1026.5
25°	857.8
27.5°	654.4
30°	448.5
32.5°	275.4
35°	157.1
37.5°	87.6
40°	50.8
42.5°	31.7
45°	21.1
47.5°	14.1
50°	9.1
52.5°	6.0
55°	4.0
57.5°	2.5
60°	1.0
62.5°	0.5
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)