

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: P280242

Luminaire Tested: **LDA2B059040D010 EU2B05WFL559040 2LBAD1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P280242  
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: LDA2B059040D010 EU2B05WFL559040 2LBAD1H  
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND  
2in ADJ spun Refl, Self-Flanged, H  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 725.4 lumens  
Efficiency: N/A  
Efficacy: 103.6 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

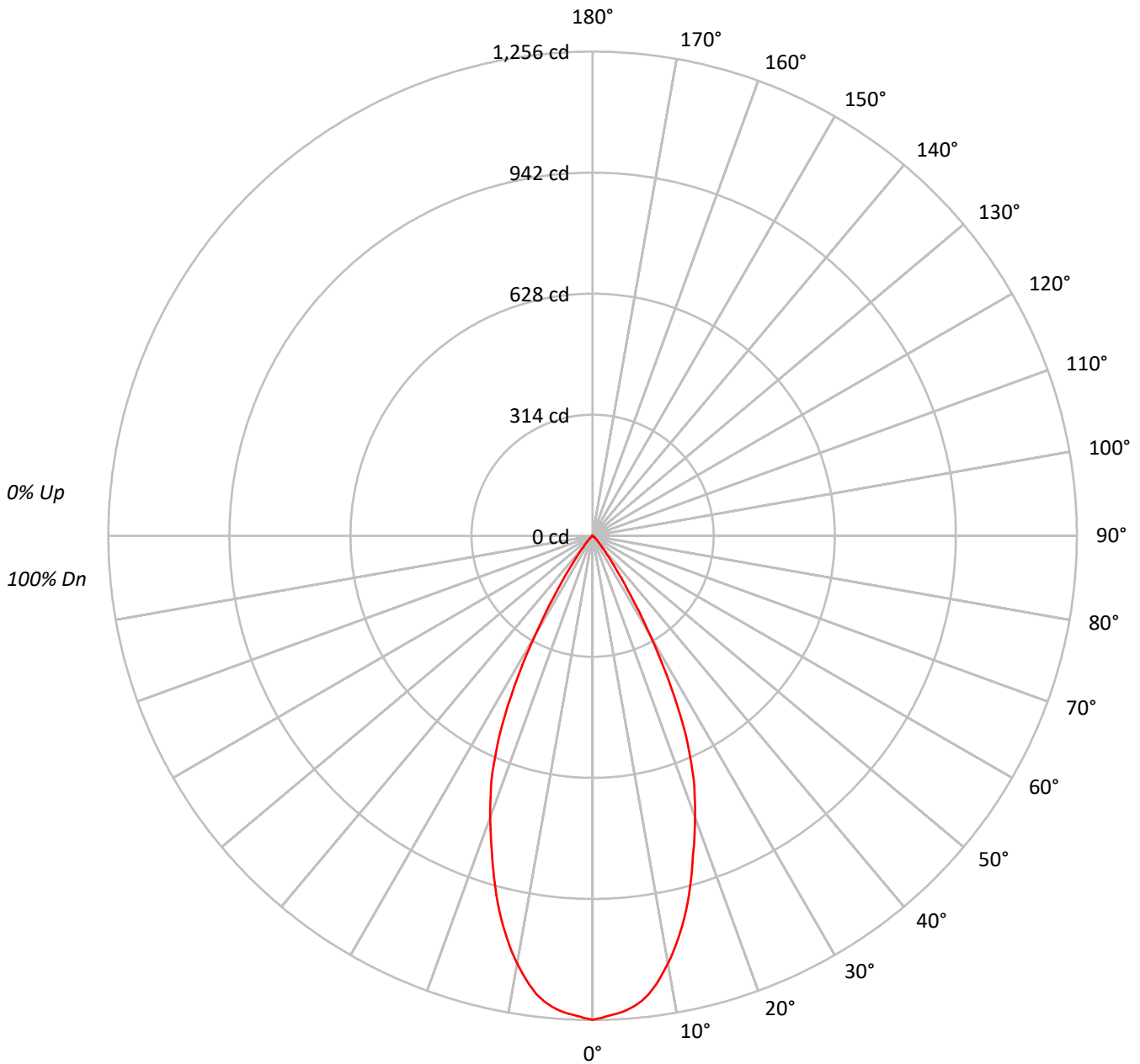
Input Watts (W): 7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P280242

CATALOG NUMBER: LDA2B059040D010 EU2B05WFL559040 2LBAD1H

### Luminous Intensity Polar Plot





TEST NUMBER: P280242

CATALOG NUMBER: LDA2B059040D010 EU2B05WFL559040 2LBAD1H

**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	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	60

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

	0°
0°	619564
5°	606924
10°	564396
15°	492787
20°	407997
25°	312030
30°	170735
35°	63240
40°	21897
45°	9838
50°	4682
55°	2322
60°	691
65°	350
70°	433
75°	0
80°	0
85°	0



TEST NUMBER: P280242

CATALOG NUMBER: LDA2B059040D010 EU2B05WFL559040 2LBAD1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.9	15.7
10°-20°	266.7	36.8
20°-30°	252.0	34.7
30°-40°	77.6	10.7
40°-50°	12.3	1.7
50°-60°	2.6	0.4
60°-70°	0.3	0.0
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°	632.6	87.2
0°-40°	710.2	97.9
0°-60°	725.0	99.9
0°-90°	725.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	725.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1256	
5°	1226	114
15°	965	267
25°	573	252
35°	105	78
45°	14	12
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P280242

CATALOG NUMBER: LDA2B059040D010 EU2B05WFL559040 2LBAD1H

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1255.8
1°	1251.1
2°	1245.4
3°	1240.7
4°	1234.6
5°	1225.5
6°	1213.7
7°	1197.9
8°	1176.7
9°	1152.2
10°	1126.6
11°	1098.4
12°	1068.4
13°	1035.8
14°	1001.8
15°	964.8
17.5°	866.9
20°	777.1
22.5°	685.9
25°	573.2
27.5°	437.3
30°	299.7
32.5°	184.0
35°	105.0
37.5°	58.5
40°	34.0
42.5°	21.2
45°	14.1
47.5°	9.4
50°	6.1
52.5°	4.0
55°	2.7
57.5°	1.7
60°	0.7
62.5°	0.3
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



TEST NUMBER: P280242

CATALOG NUMBER: LDA2B059040D010 EU2B05WFL559040 2LBAD1H

**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)