

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: P279412

Luminaire Tested: **LDA2B05D2WD010 EU2B05FL40D2W 2LBAD1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P279412  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-3)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA2B05D2WD010 EU2B05FL40D2W 2LBAD1MW  
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in  
ADJ spun Refl, Self-Flanged, MW  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 640.5 lumens  
Efficiency: N/A  
Efficacy: 91.5 lumens/watt  
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.55  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

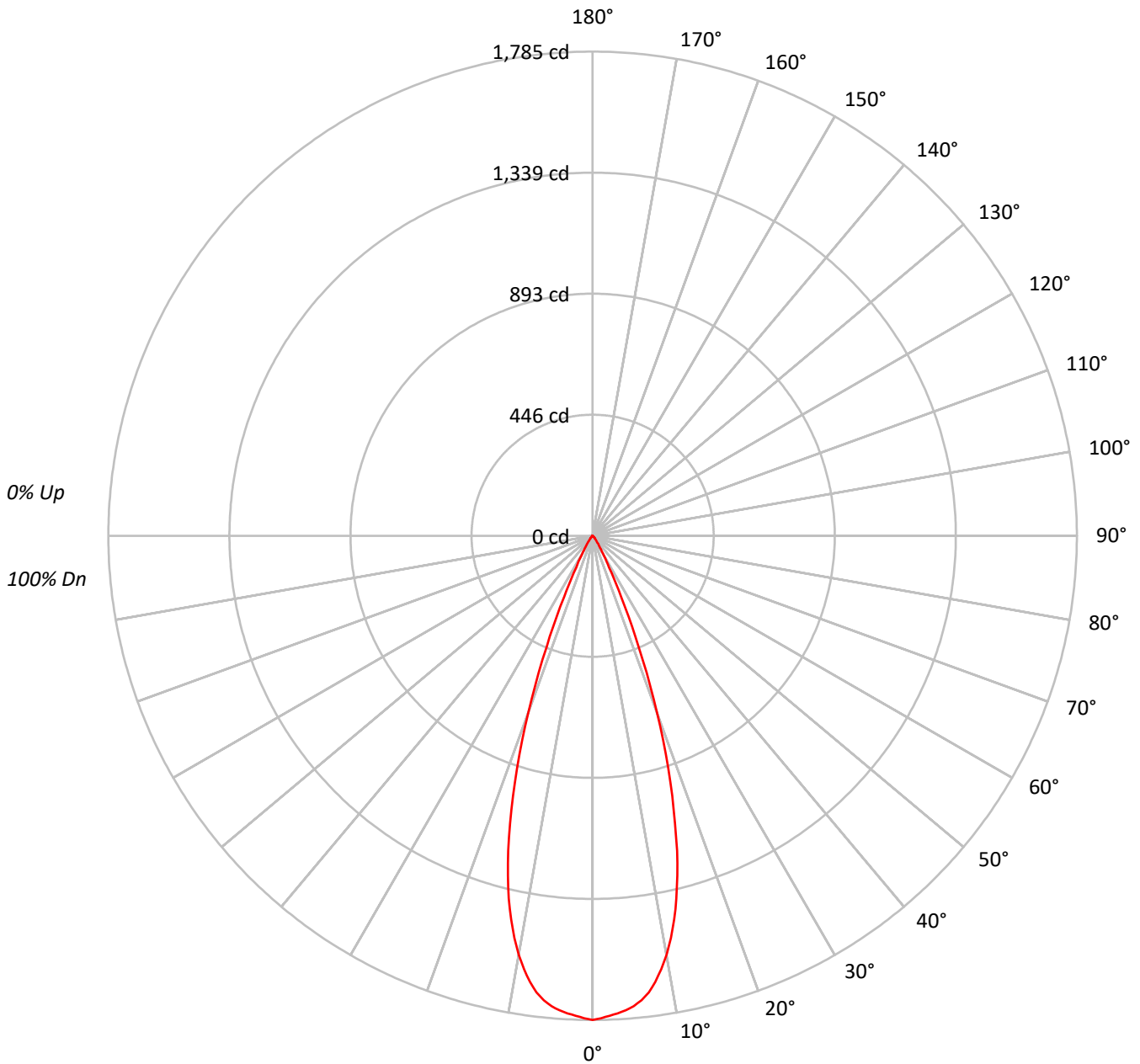
Input Watts (W): 7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P279412

CATALOG NUMBER: LDA2B05D2WD010 EU2B05FL40D2W 2LBAD1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P279412

CATALOG NUMBER: LDA2B05D2WD010 EU2B05FL40D2W 2LBAD1MW

**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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92			
3	107	102	98	95	105	101	97	94	98	95	93	96	94	92	94	92	90	89			
4	103	98	93	90	102	97	93	90	95	91	89	93	90	88	91	89	87	85			
5	100	94	89	86	98	93	89	86	91	88	85	90	87	84	88	86	83	82			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74			
9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	73	72			
10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	72	70	69			

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

	0°
0°	880700
5°	862075
10°	785726
15°	613787
20°	363422
25°	135111
30°	42214
35°	18791
40°	8695
45°	4117
50°	2226
55°	1290
60°	592
65°	350
70°	433
75°	0
80°	0
85°	0



TEST NUMBER: P279412

CATALOG NUMBER: LDA2B05D2WD010 EU2B05FL40D2W 2LBAD1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.9	25.1
10°-20°	320.0	50.0
20°-30°	131.0	20.5
30°-40°	21.7	3.4
40°-50°	5.1	0.8
50°-60°	1.4	0.2
60°-70°	0.3	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°	611.9	95.5
0°-40°	633.6	98.9
0°-60°	640.1	99.9
0°-90°	640.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	640.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1785	
5°	1741	161
15°	1202	320
25°	248	131
35°	31	22
45°	6	5
55°	2	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P279412

CATALOG NUMBER: LDA2B05D2WD010 EU2B05FL40D2W 2LBAD1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1785.1
1°	1778.9
2°	1770.7
3°	1763.3
4°	1753.6
5°	1740.7
6°	1721.6
7°	1696.6
8°	1661.0
9°	1617.8
10°	1568.4
11°	1511.0
12°	1446.4
13°	1372.6
14°	1290.5
15°	1201.7
17.5°	953.0
20°	692.2
22.5°	443.1
25°	248.2
27.5°	130.8
30°	74.1
32.5°	47.0
35°	31.2
37.5°	20.6
40°	13.5
42.5°	8.8
45°	5.9
47.5°	4.1
50°	2.9
52.5°	2.1
55°	1.5
57.5°	0.9
60°	0.6
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: P279412

CATALOG NUMBER: LDA2B05D2WD010 EU2B05FL40D2W 2LBAD1MW

**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)