

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: P279262

Luminaire Tested: **LDA2B058040D010 EU2B05FL408040 2LBALD1WMH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P279262  
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: LDA2B058040D010 EU2B05FL408040 2LBALD1WMH  
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in  
ADJ spun Refl w/lens Self-Flanged, WMH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 883.6 lumens  
Efficiency: N/A  
Efficacy: 126.2 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

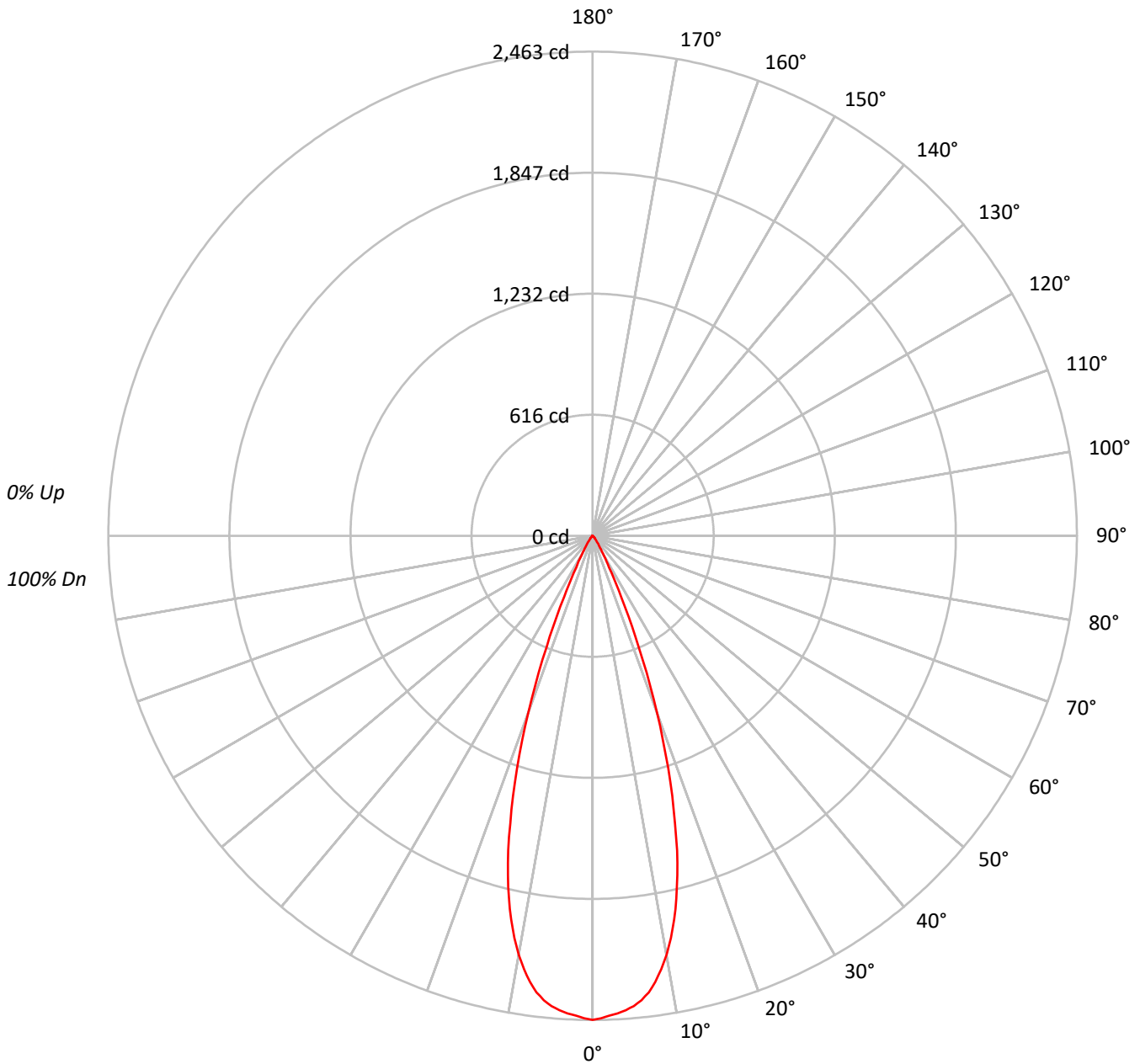
Input Watts (W): 7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P279262

CATALOG NUMBER: LDA2B058040D010 EU2B05FL408040 2LBALD1WMH

### Luminous Intensity Polar Plot





TEST NUMBER: P279262

CATALOG NUMBER: LDA2B058040D010 EU2B05FL408040 2LBALD1WMH

**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	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	82	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°	1215051
5°	1189384
10°	1084005
15°	846850
20°	501346
25°	186390
30°	58222
35°	25898
40°	12044
45°	5652
50°	3147
55°	1720
60°	789
65°	467
70°	577
75°	0
80°	0
85°	0



TEST NUMBER: P279262

CATALOG NUMBER: LDA2B058040D010 EU2B05FL408040 2LBALD1WMH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	222.0	25.1
10°-20°	441.5	50.0
20°-30°	180.8	20.5
30°-40°	29.9	3.4
40°-50°	7.1	0.8
50°-60°	1.9	0.2
60°-70°	0.4	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°	844.3	95.5
0°-40°	874.2	98.9
0°-60°	883.1	99.9
0°-90°	883.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	883.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2463	
5°	2402	222
15°	1658	441
25°	342	181
35°	43	30
45°	8	7
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P279262

CATALOG NUMBER: LDA2B058040D010 EU2B05FL408040 2LBALD1WMH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2462.8
1°	2454.3
2°	2442.9
3°	2432.8
4°	2419.4
5°	2401.6
6°	2375.2
7°	2340.7
8°	2291.6
9°	2232.0
10°	2163.8
11°	2084.7
12°	1995.5
13°	1893.7
14°	1780.5
15°	1658.0
17.5°	1314.8
20°	954.9
22.5°	611.3
25°	342.4
27.5°	180.5
30°	102.2
32.5°	64.9
35°	43.0
37.5°	28.4
40°	18.7
42.5°	12.2
45°	8.1
47.5°	5.7
50°	4.1
52.5°	2.8
55°	2.0
57.5°	1.2
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



TEST NUMBER: P279262

CATALOG NUMBER: LDA2B058040D010 EU2B05FL408040 2LBALD1WMH

**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)