

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: P279278

Luminaire Tested: **LDA2B058050D010 EU2B05FL408050 2LBALD1WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P279278
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: LDA2B058050D010 EU2B05FL408050 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: 877.9 lumens
Efficiency: N/A
Efficacy: 125.4 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

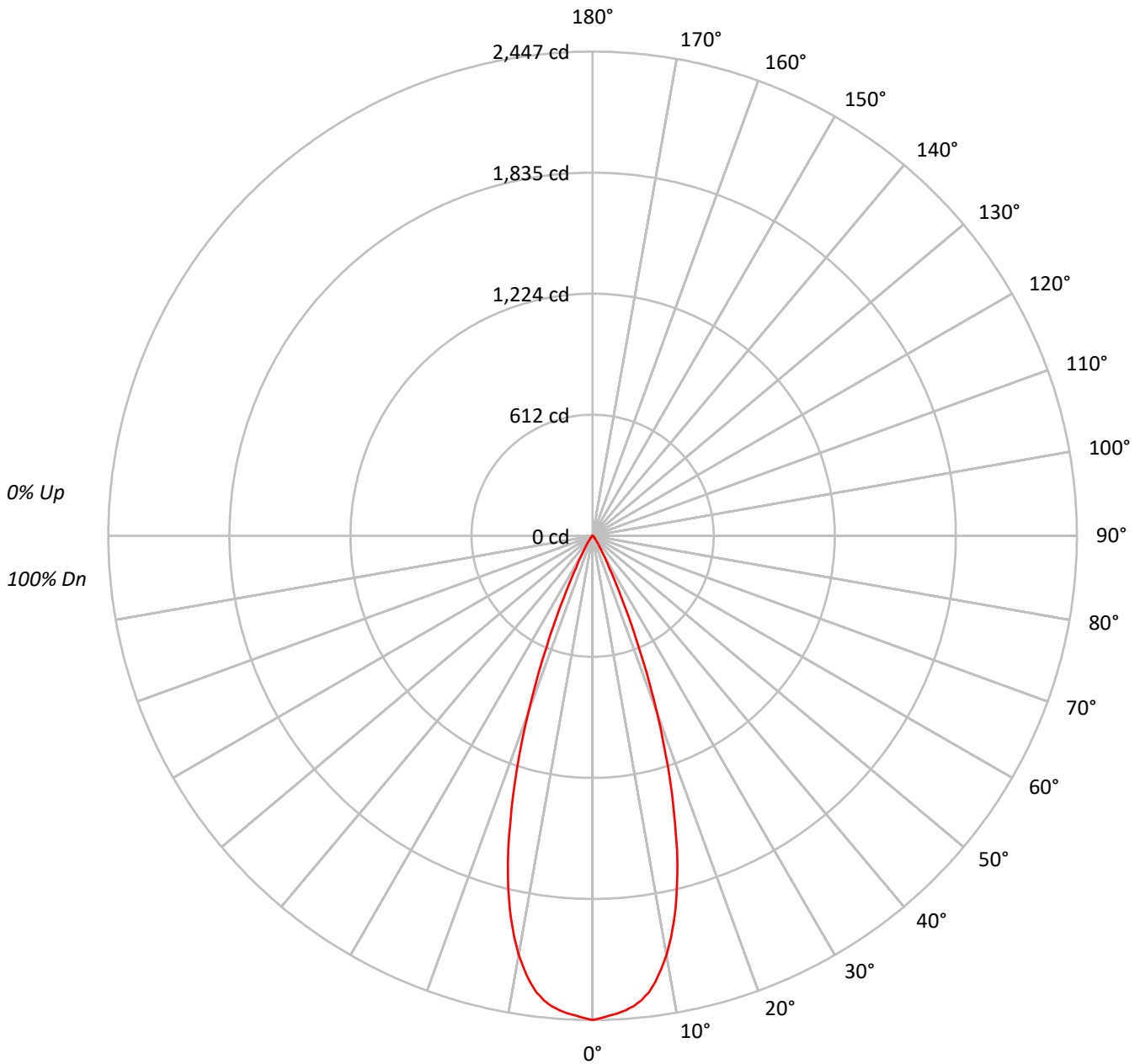
Input Watts (W): 7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P279278

CATALOG NUMBER: LDA2B058050D010 EU2B05FL408050 2LBALD1WMH

Luminous Intensity Polar Plot





TEST NUMBER: P279278

CATALOG NUMBER: LDA2B058050D010 EU2B05FL408050 2LBALD1WMH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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°	1207158
5°	1181608
10°	1076941
15°	841333
20°	498091
25°	185193
30°	57880
35°	25718
40°	11915
45°	5652
50°	3070
55°	1720
60°	789
65°	467
70°	577
75°	0
80°	0
85°	0



TEST NUMBER: P279278

CATALOG NUMBER: LDA2B058050D010 EU2B05FL408050 2LBALD1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.5	25.1
10°-20°	438.6	50.0
20°-30°	179.6	20.5
30°-40°	29.7	3.4
40°-50°	7.0	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°	838.8	95.5
0°-40°	868.5	98.9
0°-60°	877.4	99.9
0°-90°	877.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	877.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2447	
5°	2386	221
15°	1647	439
25°	340	180
35°	43	30
45°	8	7
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P279278

CATALOG NUMBER: LDA2B058050D010 EU2B05FL408050 2LBALD1WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	2446.8
1°	2438.3
2°	2427.0
3°	2416.9
4°	2403.6
5°	2385.9
6°	2359.7
7°	2325.5
8°	2276.7
9°	2217.4
10°	2149.7
11°	2071.1
12°	1982.5
13°	1881.3
14°	1768.9
15°	1647.2
17.5°	1306.2
20°	948.7
22.5°	607.4
25°	340.2
27.5°	179.3
30°	101.6
32.5°	64.5
35°	42.7
37.5°	28.2
40°	18.5
42.5°	12.1
45°	8.1
47.5°	5.6
50°	4.0
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: P279278

CATALOG NUMBER: LDA2B058050D010 EU2B05FL408050 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)