

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: P279342

Luminaire Tested: **LDA2B059035D010 EU2B05FL409035 2LBALD1WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P279342
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: LDA2B059035D010 EU2B05FL409035 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: 703.0 lumens
Efficiency: N/A
Efficacy: 100.4 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

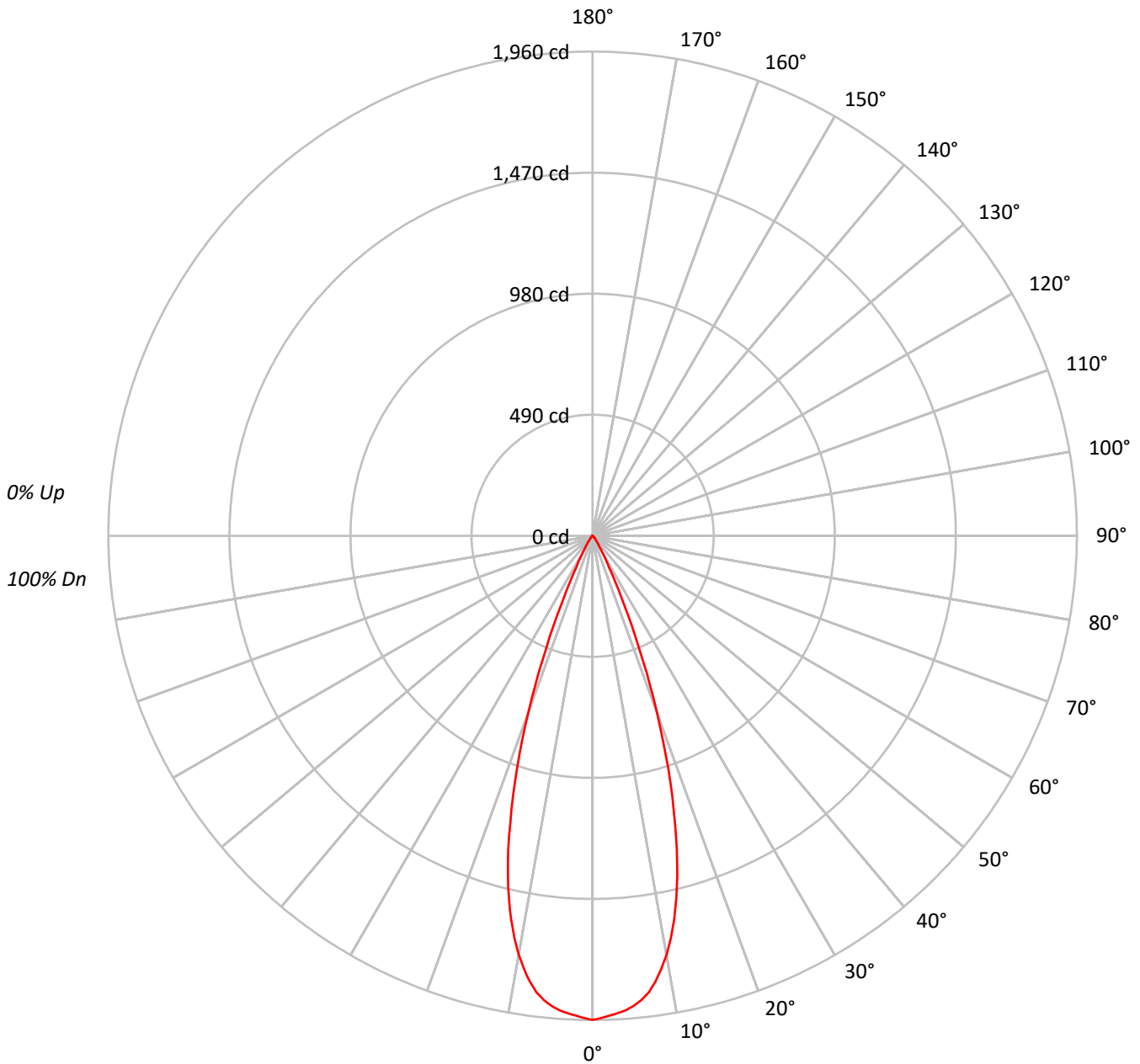
Input Watts (W): 7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P279342

CATALOG NUMBER: LDA2B059035D010 EU2B05FL409035 2LBALD1WMH

Luminous Intensity Polar Plot





TEST NUMBER: P279342

CATALOG NUMBER: LDA2B059035D010 EU2B05FL409035 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	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	84	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	73	70	69																																				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	966792
5°	946317
10°	862525
15°	673802
20°	398914
25°	148285
30°	46315
35°	20598
40°	9532
45°	4535
50°	2456
55°	1376
60°	592
65°	350
70°	433
75°	0
80°	0
85°	0



TEST NUMBER: P279342

CATALOG NUMBER: LDA2B059035D010 EU2B05FL409035 2LBALD1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.6	25.1
10°-20°	351.3	50.0
20°-30°	143.8	20.5
30°-40°	23.8	3.4
40°-50°	5.6	0.8
50°-60°	1.5	0.2
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°	671.7	95.5
0°-40°	695.5	98.9
0°-60°	702.7	99.9
0°-90°	703.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	703.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1960	
5°	1911	177
15°	1319	351
25°	272	144
35°	34	24
45°	6	6
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P279342

CATALOG NUMBER: LDA2B059035D010 EU2B05FL409035 2LBALD1WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1959.6
1°	1952.8
2°	1943.8
3°	1935.7
4°	1925.0
5°	1910.8
6°	1889.8
7°	1862.4
8°	1823.4
9°	1775.9
10°	1721.7
11°	1658.7
12°	1587.7
13°	1506.7
14°	1416.7
15°	1319.2
17.5°	1046.1
20°	759.8
22.5°	486.4
25°	272.4
27.5°	143.6
30°	81.3
32.5°	51.6
35°	34.2
37.5°	22.6
40°	14.8
42.5°	9.7
45°	6.5
47.5°	4.5
50°	3.2
52.5°	2.3
55°	1.6
57.5°	1.0
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: P279342

CATALOG NUMBER: LDA2B059035D010 EU2B05FL409035 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)