

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: P279292

Luminaire Tested: **LDA2B059024D010 EU2B05FL409024 2LBALD1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P279292
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: LDA2B059024D010 EU2B05FL409024 2LBALD1MW
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in ADJ spun Refl w/lens Self-Flanged, MW
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 616.1 lumens
Efficiency: N/A
Efficacy: 88.0 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

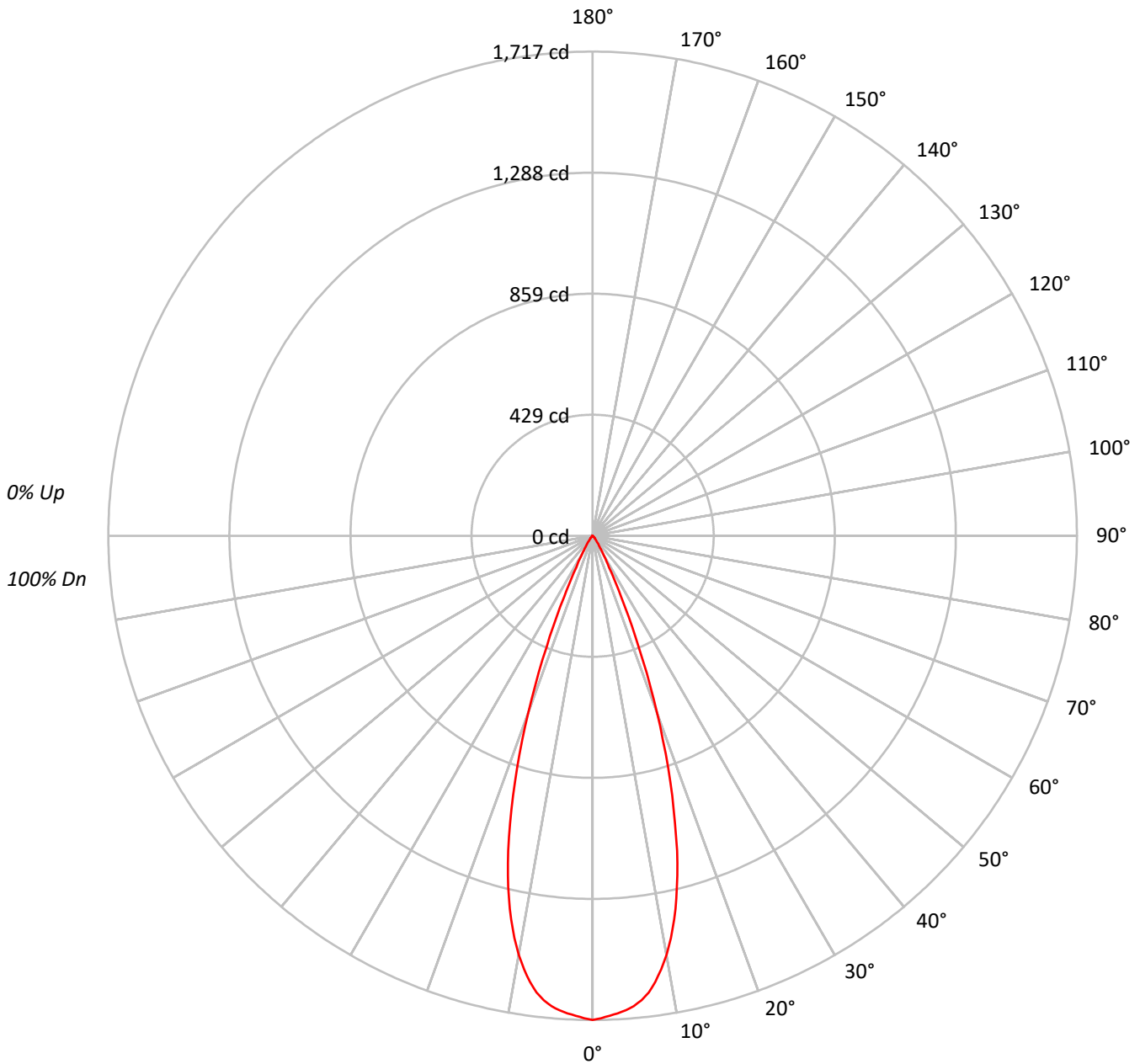
Input Watts (W): 7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P279292

CATALOG NUMBER: LDA2B059024D010 EU2B05FL409024 2LBALD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P279292

CATALOG NUMBER: LDA2B059024D010 EU2B05FL409024 2LBALD1MW

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	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°	847102
5°	829191
10°	755767
15°	590394
20°	349561
25°	129940
30°	40619
35°	18069
40°	8372
45°	3977
50°	2149
55°	1204
60°	592
65°	350
70°	433
75°	0
80°	0
85°	0



TEST NUMBER: P279292

CATALOG NUMBER: LDA2B059024D010 EU2B05FL409024 2LBALD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.8	25.1
10°-20°	307.8	50.0
20°-30°	126.1	20.5
30°-40°	20.9	3.4
40°-50°	5.0	0.8
50°-60°	1.3	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°	588.6	95.5
0°-40°	609.5	98.9
0°-60°	615.7	99.9
0°-90°	616.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	616.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1717	
5°	1674	155
15°	1156	308
25°	239	126
35°	30	21
45°	6	5
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P279292

CATALOG NUMBER: LDA2B059024D010 EU2B05FL409024 2LBALD1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1717.0
1°	1711.1
2°	1703.2
3°	1696.1
4°	1686.8
5°	1674.3
6°	1655.9
7°	1631.9
8°	1597.7
9°	1556.1
10°	1508.6
11°	1453.4
12°	1391.2
13°	1320.2
14°	1241.3
15°	1155.9
17.5°	916.6
20°	665.8
22.5°	426.2
25°	238.7
27.5°	125.9
30°	71.3
32.5°	45.3
35°	30.0
37.5°	19.8
40°	13.0
42.5°	8.5
45°	5.7
47.5°	4.0
50°	2.8
52.5°	2.0
55°	1.4
57.5°	0.8
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: P279292

CATALOG NUMBER: LDA2B059024D010 EU2B05FL409024 2LBALD1MW

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)