

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: P279541

Luminaire Tested: **LDA2B109030D010 EU2B10FL409030 2LBAD1B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P279541
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: LDA2B109030D010 EU2B10FL409030 2LBAD1B
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in
ADJ spun Refl, Self-Flanged, B
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 925.4 lumens
Efficiency: N/A
Efficacy: 92.5 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

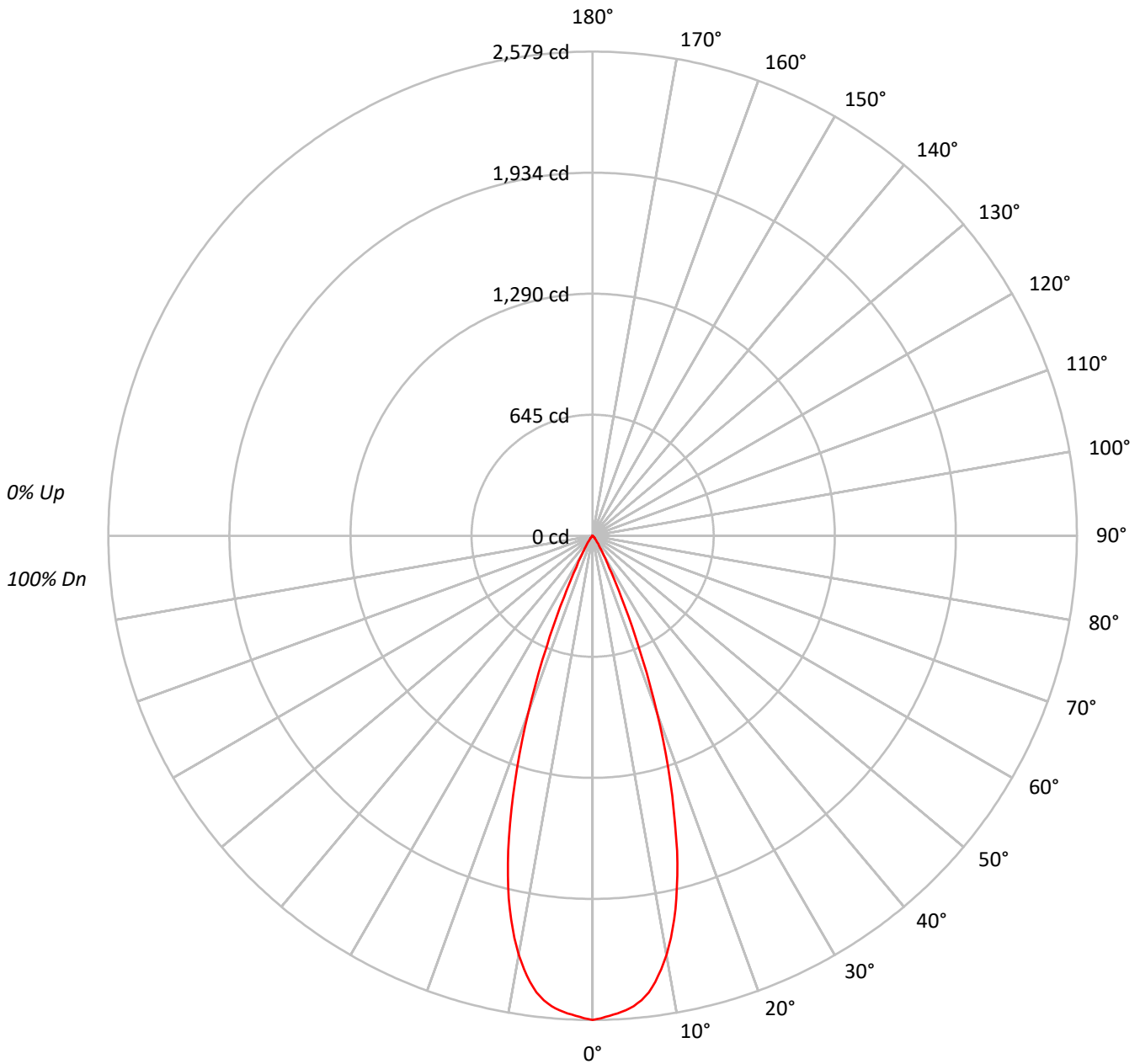
Input Watts (W): 10
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									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°	1272479
5°	1245594
10°	1135254
15°	886842
20°	525077
25°	195209
30°	61013
35°	27103
40°	12559
45°	5931
50°	3224
55°	1806
60°	789
65°	467
70°	577
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.5	25.1
10°-20°	462.3	50.0
20°-30°	189.4	20.5
30°-40°	31.3	3.4
40°-50°	7.4	0.8
50°-60°	2.0	0.2
60°-70°	0.4	0.0
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°	884.2	95.5
0°-40°	915.5	98.9
0°-60°	924.9	99.9
0°-90°	925.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	925.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2579	
5°	2515	232
15°	1736	462
25°	359	189
35°	45	31
45°	8	7
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2579.2
1°	2570.3
2°	2558.4
3°	2547.8
4°	2533.8
5°	2515.1
6°	2487.5
7°	2451.3
8°	2399.9
9°	2337.5
10°	2266.1
11°	2183.3
12°	2089.8
13°	1983.2
14°	1864.6
15°	1736.3
17.5°	1376.9
20°	1000.1
22.5°	640.2
25°	358.6
27.5°	189.1
30°	107.1
32.5°	68.0
35°	45.0
37.5°	29.7
40°	19.5
42.5°	12.7
45°	8.5
47.5°	5.9
50°	4.2
52.5°	3.0
55°	2.1
57.5°	1.3
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



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)