

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: P278564

Luminaire Tested: **LDA2B108035D010 EU2B10NFL258035 2LBAD1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P278564
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-2)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B108035D010 EU2B10NFL258035 2LBAD1MW
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC AND 2in ADJ spun Refl, Self-Flanged, MW
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1145.7 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.39
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

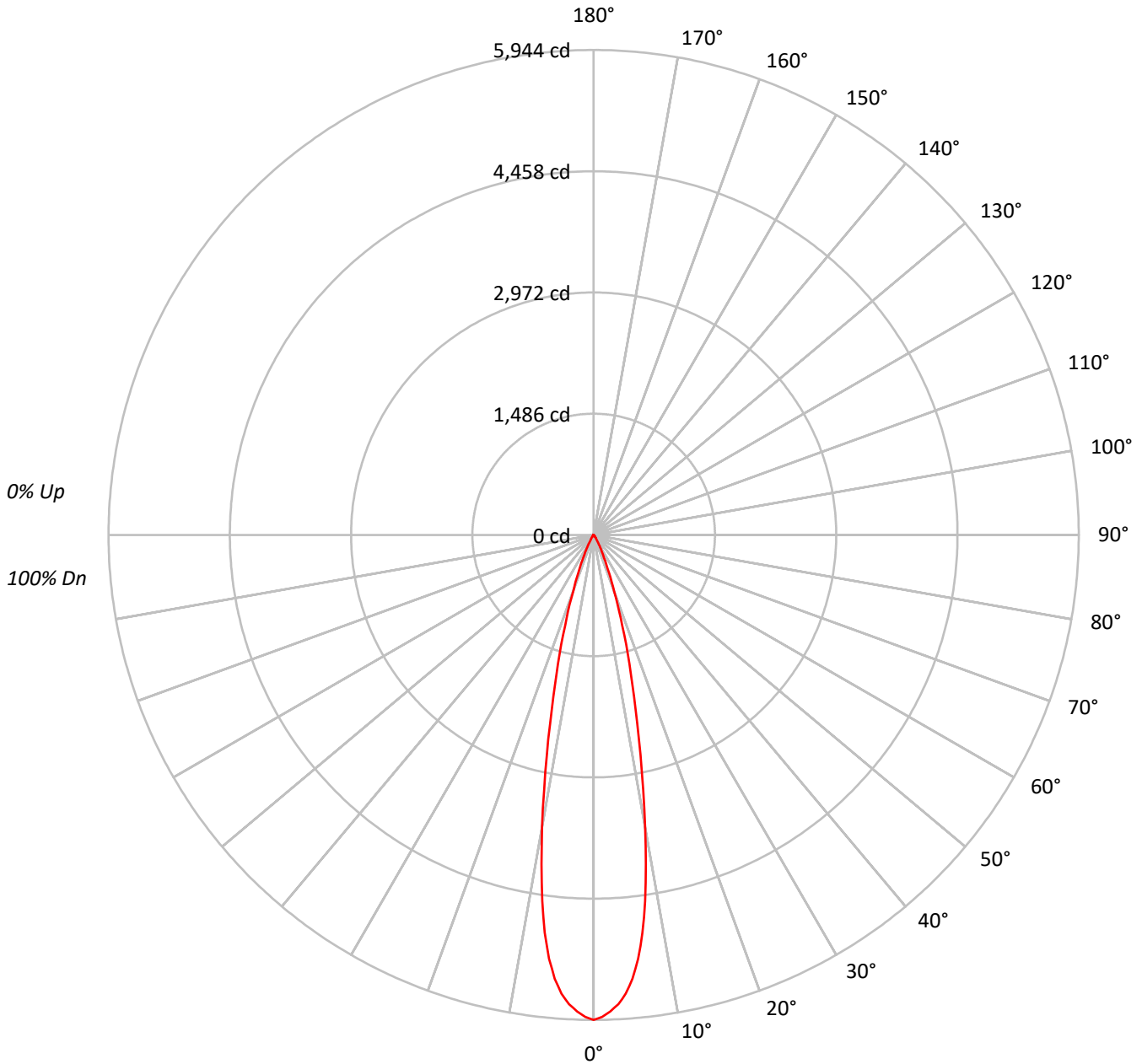
Input Watts (W): 10
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20									
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	0																			
RCR																																														
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100									100																			
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97									97																			
2	112	108	105	103	110	107	104	102	103	101	100	101	99	98	98	97	96	94									94																			
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91									91																			
4	105	100	96	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89									89																			
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	92	89	87	86									86																			
6	100	94	90	87	98	93	89	87	92	89	86	91	88	86	89	87	85	84									84																			
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82									82																			
8	95	88	85	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80									80																			
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78									78																			
10	90	84	80	78	90	84	80	78	83	80	78	82	79	77	82	79	77	76									76																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2932740
5°	2704689
10°	1822639
15°	898641
20°	383846
25°	150898
30°	59418
35°	26019
40°	12559
45°	6000
50°	3300
55°	1892
60°	1085
65°	584
70°	721
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.6	40.4
10°-20°	498.2	43.5
20°-30°	143.9	12.6
30°-40°	30.4	2.6
40°-50°	7.5	0.7
50°-60°	2.1	0.2
60°-70°	0.7	0.1
70°-80°	0.3	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°	1104.7	96.4
0°-40°	1135.1	99.1
0°-60°	1144.7	99.9
0°-90°	1145.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1145.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5944	
5°	5461	463
15°	1759	498
25°	277	144
35°	43	30
45°	9	7
55°	2	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5944.4
1°	5907.1
2°	5843.9
3°	5758.5
4°	5637.5
5°	5461.3
6°	5223.6
7°	4913.4
8°	4531.9
9°	4087.2
10°	3638.2
11°	3184.3
12°	2755.8
13°	2375.4
14°	2040.9
15°	1759.4
17.5°	1162.8
20°	731.1
22.5°	449.6
25°	277.2
27.5°	169.1
30°	104.3
32.5°	65.9
35°	43.2
37.5°	28.6
40°	19.5
42.5°	13.5
45°	8.6
47.5°	5.4
50°	4.3
52.5°	3.2
55°	2.2
57.5°	1.6
60°	1.1
62.5°	1.1
65°	0.5
67.5°	0.5
70°	0.5
72.5°	0.5
75°	0.0
77.5°	0.5
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)