

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: P277978

Luminaire Tested: **LDA2B108030D010 EU2B10SP158030 2LBAD1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P277978
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-1)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B108030D010 EU2B10SP158030 2LBAD1H
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH SPOT OPTIC AND 2in
ADJ spun Refl, Self-Flanged, H
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1081.9 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.28
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

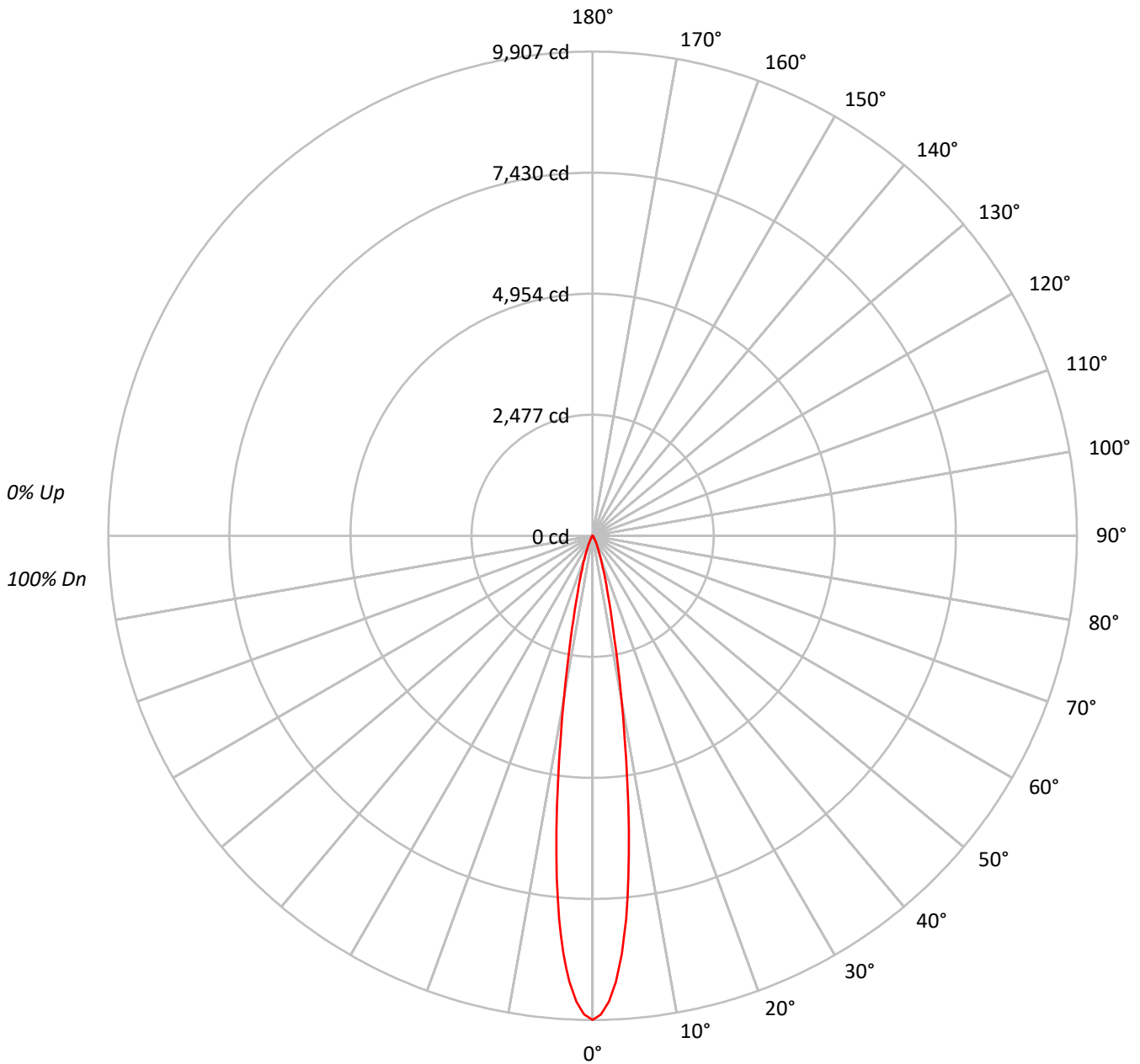
Input Watts (W): 10
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98	98	98	98
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	96	96	96	96
3	109	105	102	100	108	104	101	99	102	99	98	100	98	96	97	96	95	94	94	94	94
4	107	102	99	96	105	101	98	96	99	97	95	98	95	94	96	94	93	92	92	92	92
5	104	99	96	93	103	99	95	93	97	94	92	96	93	91	94	92	91	90	90	90	90
6	102	97	93	91	101	96	93	91	95	92	90	94	91	89	93	91	89	88	88	88	88
7	100	95	91	89	99	94	91	88	93	90	88	92	90	88	91	89	87	86	86	86	86
8	98	93	89	87	97	92	89	87	91	88	86	90	88	86	90	87	86	85	85	85	85
9	96	91	87	85	95	90	87	85	90	87	85	89	86	84	88	86	84	83	83	83	83
10	94	89	86	83	94	89	85	83	88	85	83	87	85	83	87	85	83	82	82	82	82

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4887686
5°	3896747
10°	1691735
15°	584520
20°	239674
25°	108220
30°	43524
35°	20297
40°	11013
45°	4117
50°	2456
55°	1806
60°	1085
65°	584
70°	721
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	594.6	55.0
10°-20°	357.1	33.0
20°-30°	98.3	9.1
30°-40°	23.4	2.2
40°-50°	5.8	0.5
50°-60°	1.9	0.2
60°-70°	0.7	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°	1050.1	97.1
0°-40°	1073.5	99.2
0°-60°	1081.1	99.9
0°-90°	1081.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1081.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9907	
5°	7868	595
15°	1144	357
25°	199	98
35°	34	23
45°	6	6
55°	2	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9906.9
1°	9797.3
2°	9534.9
3°	9134.5
4°	8569.6
5°	7868.3
6°	7012.0
7°	6074.0
8°	5088.4
9°	4181.9
10°	3376.9
11°	2695.5
12°	2145.5
13°	1730.2
14°	1399.8
15°	1144.4
17.5°	710.3
20°	456.5
22.5°	299.3
25°	198.8
27.5°	127.7
30°	76.4
32.5°	48.1
35°	33.7
37.5°	24.6
40°	17.1
42.5°	10.2
45°	5.9
47.5°	4.3
50°	3.2
52.5°	2.7
55°	2.1
57.5°	1.6
60°	1.1
62.5°	1.1
65°	0.5
67.5°	0.5
70°	0.5
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)