

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: P280507

Luminaire Tested: **LDA2B109727D010 EU2B10WFL559727 2LBALD1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P280507
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-5)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B109727D010 EU2B10WFL559727 2LBALD1H
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in ADJ spun Refl w/lens Self-Flanged, LI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 791.0 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.73
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

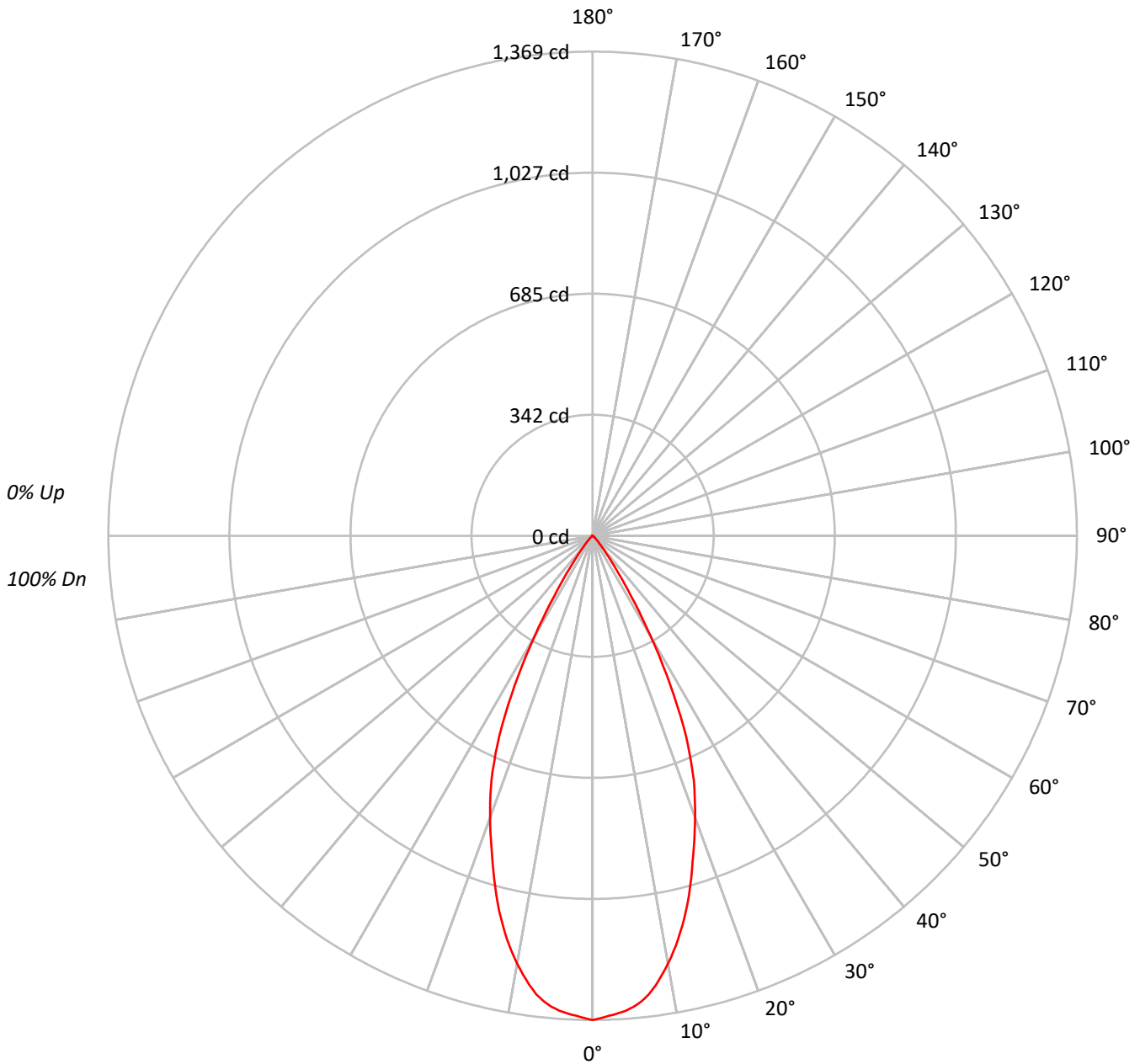
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	109	107	112	110	108	106	106	104	103	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65
9	81	73	68	64	80	72	68	64	72	67	64	71	67	64	70	66	64	62
10	78	70	65	61	77	69	64	61	69	64	61	68	64	61	67	63	61	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	675560
5°	661798
10°	615395
15°	537326
20°	444853
25°	340228
30°	186173
35°	68901
40°	23829
45°	10745
50°	5066
55°	2494
60°	691
65°	467
70°	577
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.2	15.7
10°-20°	290.8	36.8
20°-30°	274.8	34.7
30°-40°	84.6	10.7
40°-50°	13.4	1.7
50°-60°	2.8	0.4
60°-70°	0.4	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°	689.7	87.2
0°-40°	774.3	97.9
0°-60°	790.5	99.9
0°-90°	791.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	791.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1369	
5°	1336	124
15°	1052	291
25°	625	275
35°	114	85
45°	15	13
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1369.3
1°	1364.1
2°	1357.9
3°	1352.8
4°	1346.2
5°	1336.3
6°	1323.4
7°	1306.2
8°	1283.1
9°	1256.3
10°	1228.4
11°	1197.6
12°	1165.0
13°	1129.4
14°	1092.3
15°	1052.0
17.5°	945.3
20°	847.3
22.5°	747.9
25°	625.0
27.5°	476.8
30°	326.8
32.5°	200.6
35°	114.4
37.5°	63.8
40°	37.0
42.5°	23.1
45°	15.4
47.5°	10.3
50°	6.6
52.5°	4.4
55°	2.9
57.5°	1.8
60°	0.7
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)