

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: P283557

Luminaire Tested: **LDA2B108035D010 EU2B10FL408035 2LBAPINSQ1MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283557
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1809-951-15)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B108035D010 EU2B10FL408035 2LBAPINSQ1MB
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in Adj SQ PinHole, MB

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 931.9 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.55
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

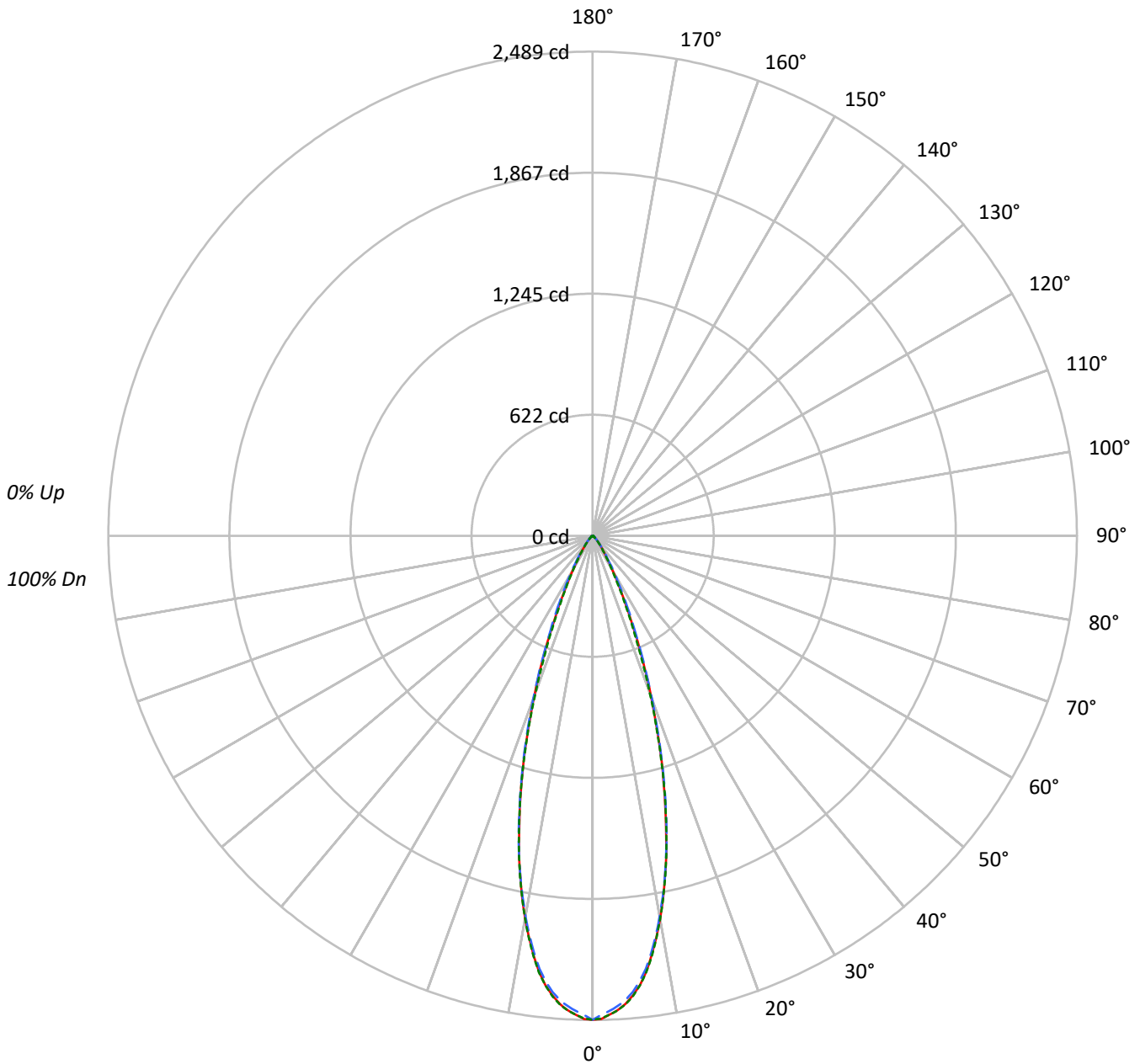
Input Watts (W): 10
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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																			
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95																			
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90																			
3	105	100	96	92	104	99	95	92	96	93	90	94	91	89	92	89	88	86																			
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82																			
5	98	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	79																			
6	94	87	82	78	93	86	81	78	84	80	77	83	80	77	82	79	76	75																			
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72																			
8	87	80	75	71	86	79	74	71	78	74	71	77	73	71	76	73	70	69																			
9	84	77	72	69	83	76	72	68	75	71	68	74	71	68	74	70	68	67																			
10	82	74	69	66	81	73	69	66	73	69	66	72	68	65	71	68	65	64																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1227780	1227780	1227780
5°	1174972	1166157	1176804
10°	1001044	994731	1002096
15°	737801	742602	740202
20°	460604	469110	450419
25°	237942	255307	225966
30°	114051	130743	108696
35°	58903	65167	55109
40°	32975	34649	31300
45°	20094	20094	19327
50°	10438	12818	10438
55°	5419	8515	5849
60°	6216	6216	6216
65°	6771	6771	6771
70°	8366	7501	8366
75°	8006	8006	8006
80°	7387	7387	7387
85°	5661	5661	5661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.1	23.0
10°-20°	393.2	42.2
20°-30°	213.2	22.9
30°-40°	68.4	7.3
40°-50°	23.3	2.5
50°-60°	8.2	0.9
60°-70°	6.0	0.6
70°-80°	4.3	0.5
80°-90°	1.2	0.1
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°	820.4	88.0
0°-40°	888.8	95.4
0°-60°	920.3	98.8
0°-90°	931.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	931.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2489	2489	2489	2489	2489	
5°	2372	2358	2355	2378	2376	215
15°	1444	1456	1454	1461	1449	392
25°	437	457	469	436	415	209
35°	98	102	108	98	92	66
45°	29	29	29	29	28	23
55°	6	8	10	8	7	7
65°	6	6	6	6	6	6
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2488.6	2488.6	2488.6	2488.6	2488.6
1°	2484.4	2466.6	2464.0	2487.0	2481.8
2°	2464.5	2447.8	2445.2	2468.2	2463.5
3°	2442.6	2427.4	2422.2	2446.2	2443.1
4°	2413.3	2399.2	2394.5	2418.5	2415.9
5°	2372.5	2357.9	2354.7	2378.3	2376.2
6°	2322.3	2310.3	2304.5	2328.1	2323.9
7°	2259.6	2248.6	2242.3	2259.6	2261.7
8°	2178.0	2172.8	2165.5	2182.7	2182.7
9°	2091.2	2086.5	2078.7	2094.4	2094.4
10°	1998.2	1995.0	1985.6	2000.3	2000.3
11°	1896.2	1894.7	1887.9	1899.9	1899.9
12°	1789.1	1792.7	1786.4	1796.9	1793.2
13°	1681.9	1680.3	1680.8	1688.7	1682.9
14°	1560.6	1570.0	1571.6	1576.3	1567.4
15°	1444.5	1456.5	1453.9	1460.7	1449.2
16°	1325.8	1339.4	1338.9	1340.5	1329.5
17°	1215.0	1222.9	1223.4	1221.8	1208.2
18°	1096.9	1107.8	1107.8	1105.2	1089.0
19°	981.3	989.7	995.4	989.7	970.9
20°	877.3	883.0	893.5	878.8	857.9
21°	777.4	782.6	791.5	774.3	751.3
22°	681.7	688.5	696.9	677.0	653.0
23°	592.3	608.0	611.2	584.0	563.6
24°	510.3	528.0	533.3	505.6	484.1
25°	437.1	456.9	469.0	436.5	415.1
26°	373.8	393.2	407.8	375.4	355.0
27°	318.4	338.8	353.9	323.6	304.3
28°	270.8	290.7	306.4	278.1	259.8
29°	235.3	246.8	262.5	238.9	222.2
30°	200.2	212.8	229.5	205.5	190.8
32.5°	137.5	144.3	157.4	142.7	131.2
35°	97.8	101.9	108.2	98.3	91.5
37.5°	69.5	71.6	75.3	69.5	65.9
40°	51.2	52.3	53.8	50.7	48.6
42.5°	38.2	38.7	38.7	37.6	36.6
45°	28.8	29.3	28.8	28.8	27.7
47.5°	20.9	22.5	22.0	22.0	20.4
50°	13.6	16.7	16.7	16.2	13.6
52.5°	8.4	11.5	13.1	11.5	8.9
55°	6.3	7.8	9.9	7.8	6.8
57.5°	6.3	6.3	7.3	6.3	6.3
60°	6.3	6.3	6.3	6.3	6.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	5.8	5.8	5.8	5.8	5.8
70°	5.8	5.8	5.2	5.8	5.8
72.5°	5.2	5.2	4.7	5.2	4.7
75°	4.2	4.2	4.2	4.2	4.2
77.5°	3.1	3.1	3.1	3.1	3.1
80°	2.6	2.6	2.6	2.6	2.6
82.5°	1.6	1.6	1.6	2.1	1.6
85°	1.0	1.0	1.0	1.0	1.0
87.5°	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0



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— 0°-180° - - 45°-225° - - - - 90°-270°







62.5°	6.3	6.3	6.3	6.3	6.3
65°	5.8	6.3	5.8	6.3	5.8



(END OF REPORT)