

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: P283467

Luminaire Tested: **LDA2B058030D010 EU2B05FL408030 2LBAPINSQ1MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283467
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: LDA2B058030D010 EU2B05FL408030 2LBAPINSQ1MB
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in Adj SQ PinHole, MB

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 678.4 lumens
Efficiency: N/A
Efficacy: 96.9 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

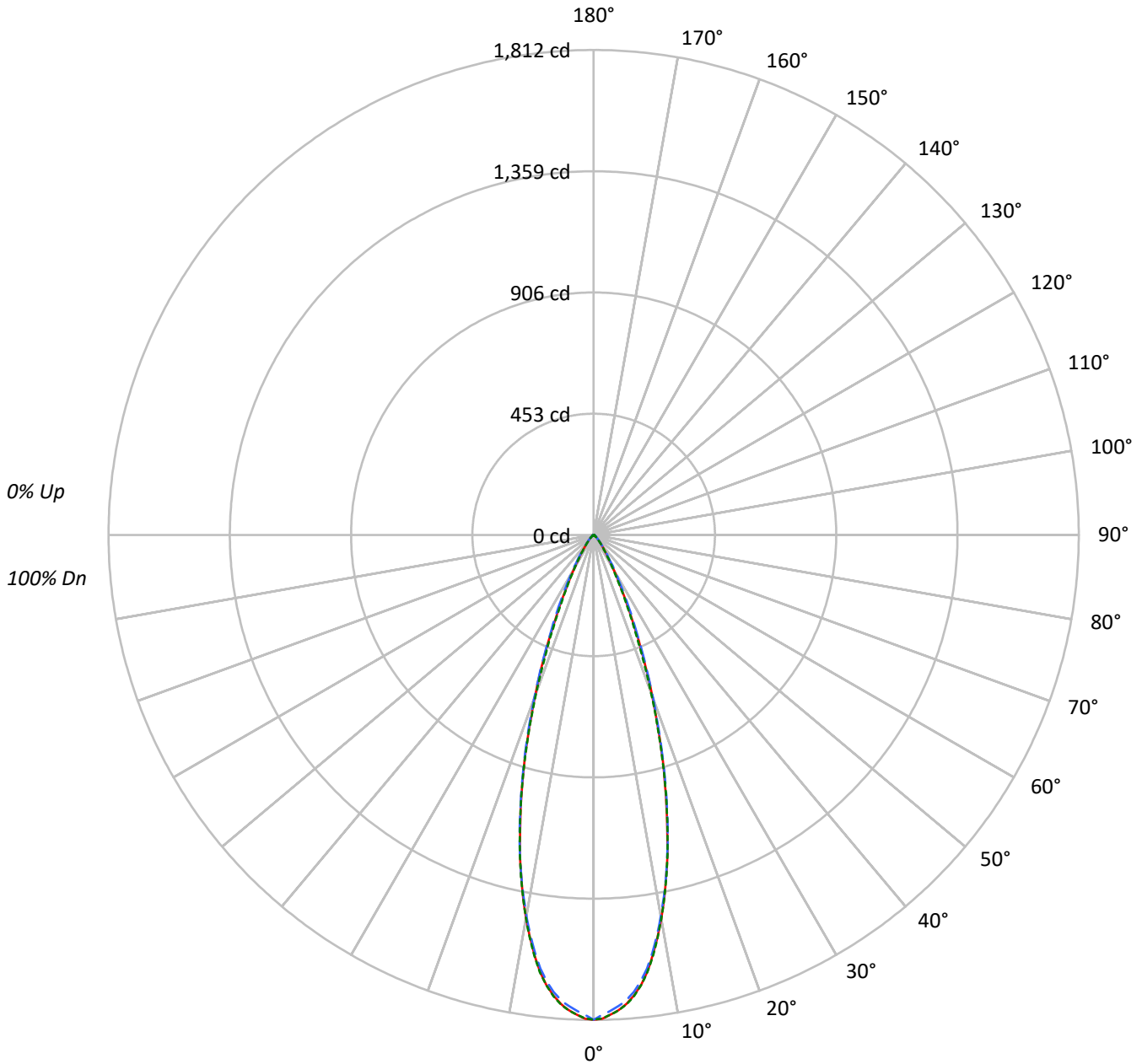
Input Watts (W): 7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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°	893824	893824	893824
5°	855389	848951	856677
10°	728765	724156	729516
15°	537121	540646	538858
20°	335333	341529	327930
25°	173217	185846	164507
30°	83060	95194	79129
35°	42883	47460	40112
40°	24023	25246	22799
45°	14582	14582	14094
50°	7599	9364	7599
55°	3957	6193	4215
60°	4539	4539	4539
65°	4903	4903	4903
70°	6058	5481	6058
75°	5719	5719	5719
80°	5398	5398	5398
85°	4529	4529	4529



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.8	23.0
10°-20°	286.2	42.2
20°-30°	155.2	22.9
30°-40°	49.8	7.3
40°-50°	17.0	2.5
50°-60°	6.0	0.9
60°-70°	4.4	0.6
70°-80°	3.2	0.5
80°-90°	0.9	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°	597.2	88.0
0°-40°	647.1	95.4
0°-60°	670.0	98.8
0°-90°	678.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	678.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1812	1812	1812	1812	1812	
5°	1727	1716	1714	1731	1730	156
15°	1052	1060	1058	1063	1055	285
25°	318	333	341	318	302	152
35°	71	74	79	72	67	48
45°	21	21	21	21	20	17
55°	5	6	7	6	5	5
65°	4	5	4	5	4	4
75°	3	3	3	3	3	3
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°	1811.7	1811.7	1811.7	1811.7	1811.7
1°	1808.6	1795.7	1793.8	1810.5	1806.7
2°	1794.2	1782.0	1780.1	1796.8	1793.4
3°	1778.2	1767.1	1763.3	1780.8	1778.6
4°	1756.9	1746.6	1743.2	1760.7	1758.8
5°	1727.2	1716.5	1714.2	1731.4	1729.8
6°	1690.6	1681.9	1677.7	1694.8	1691.8
7°	1645.0	1637.0	1632.4	1645.0	1646.5
8°	1585.6	1581.8	1576.5	1589.0	1589.0
9°	1522.4	1519.0	1513.3	1524.7	1524.7
10°	1454.7	1452.4	1445.5	1456.2	1456.2
11°	1380.4	1379.3	1374.4	1383.1	1383.1
12°	1302.4	1305.1	1300.5	1308.1	1305.5
13°	1224.4	1223.3	1223.6	1229.3	1225.2
14°	1136.1	1143.0	1144.1	1147.5	1141.0
15°	1051.6	1060.4	1058.5	1063.4	1055.0
16°	965.2	975.1	974.7	975.9	967.9
17°	884.5	890.2	890.6	889.5	879.6
18°	798.5	806.5	806.5	804.6	792.8
19°	714.4	720.5	724.7	720.5	706.8
20°	638.7	642.8	650.5	639.8	624.6
21°	566.0	569.8	576.2	563.7	546.9
22°	496.3	501.3	507.3	492.9	475.4
23°	431.2	442.6	444.9	425.1	410.3
24°	371.5	384.4	388.2	368.0	352.4
25°	318.2	332.6	341.4	317.8	302.2
26°	272.1	286.2	296.9	273.3	258.4
27°	231.8	246.6	257.7	235.6	221.5
28°	197.2	211.6	223.0	202.5	189.2
29°	171.3	179.6	191.1	173.9	161.8
30°	145.8	154.9	167.1	149.6	138.9
32.5°	100.1	105.0	114.6	103.9	95.5
35°	71.2	74.2	78.8	71.6	66.6
37.5°	50.6	52.1	54.8	50.6	48.0
40°	37.3	38.1	39.2	36.9	35.4
42.5°	27.8	28.2	28.2	27.4	26.6
45°	20.9	21.3	20.9	20.9	20.2
47.5°	15.2	16.4	16.0	16.0	14.8
50°	9.9	12.2	12.2	11.8	9.9
52.5°	6.1	8.4	9.5	8.4	6.5
55°	4.6	5.7	7.2	5.7	4.9
57.5°	4.6	4.6	5.3	4.6	4.6
60°	4.6	4.6	4.6	4.6	4.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	4.2	4.2	4.2	4.2	4.2
70°	4.2	4.2	3.8	4.2	4.2
72.5°	3.8	3.8	3.4	3.8	3.4
75°	3.0	3.0	3.0	3.0	3.0
77.5°	2.3	2.3	2.3	2.3	2.3
80°	1.9	1.9	1.9	1.9	1.9
82.5°	1.1	1.1	1.1	1.5	1.1
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0



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







62.5°	4.6	4.6	4.6	4.6	4.6
65°	4.2	4.6	4.2	4.6	4.2



(END OF REPORT)