

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: P315644

Luminaire Tested: **LDA2B10WFL8035D010 PINW1MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P315644
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1809-951-61)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B10WFL8035D010 PINW1MB
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj PinHole, White oculus black finish
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 944.3 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.68
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

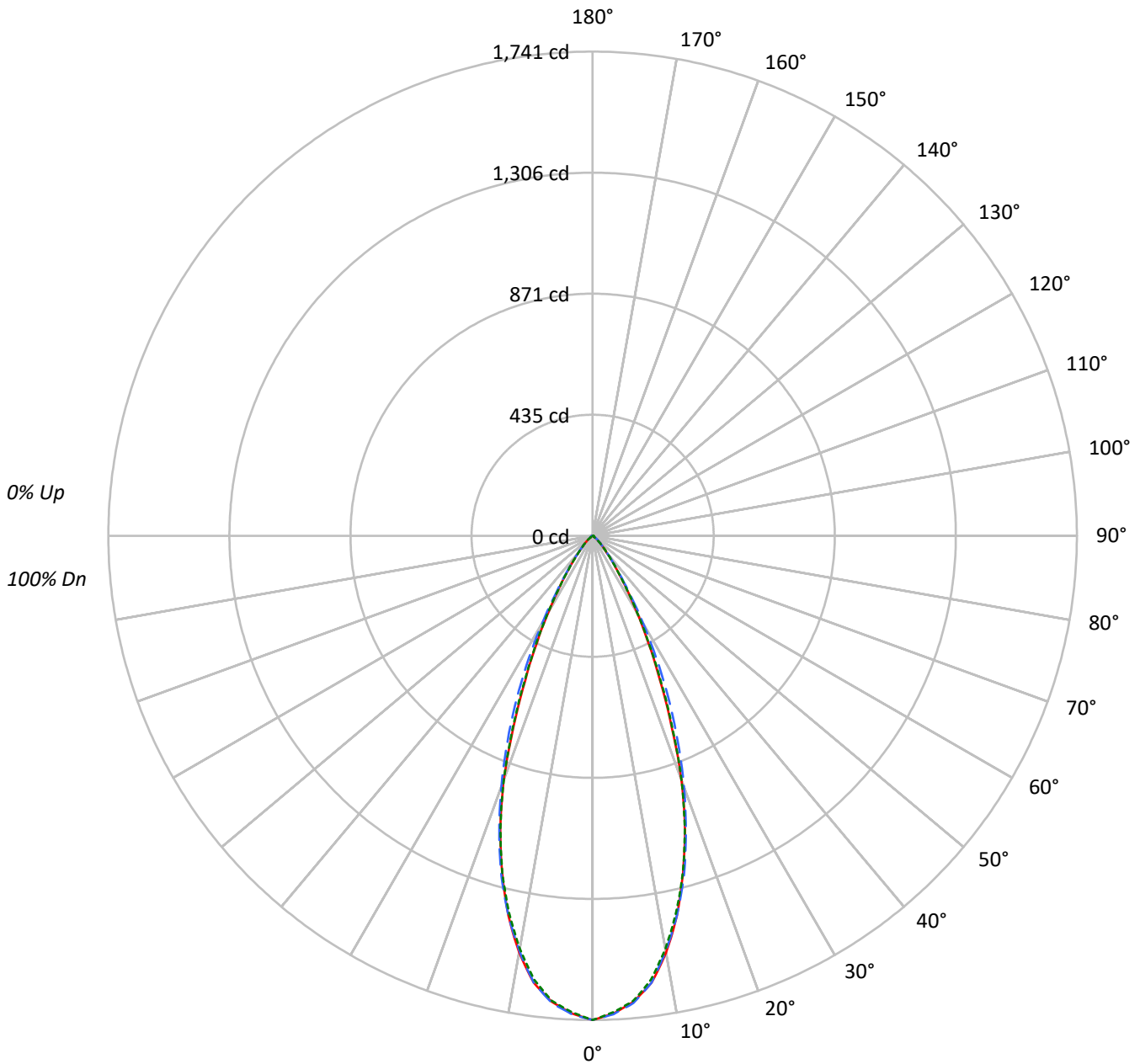
Input Watts (W): 10
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94																			
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89																			
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84																			
4	100	93	88	84	98	92	87	83	90	86	82	88	84	81	86	83	81	79																			
5	95	88	82	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75																			
6	91	83	78	74	90	82	77	74	81	77	73	80	76	73	78	75	72	71																			
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	67																			
8	84	75	70	66	83	75	70	66	74	69	66	73	69	66	72	68	65	64																			
9	81	72	67	63	80	71	66	63	71	66	63	70	66	63	69	65	62	61																			
10	77	69	64	60	76	68	63	60	68	63	60	67	63	60	66	62	60	58																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	858943	858943	858943
5°	833103	835134	831370
10°	762581	759525	754966
15°	641420	647396	640398
20°	490531	503551	489743
25°	311485	351170	317582
30°	181160	204517	184350
35°	95763	101846	96064
40°	50557	52811	50557
45°	28258	29304	28606
50°	13202	16732	13202
55°	4817	9118	5247
60°	5526	5526	5526
65°	5954	6537	5954
70°	7357	6635	7357
75°	6672	6672	6672
80°	7103	5682	7103
85°	5661	5661	5661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.4	16.5
10°-20°	346.0	36.6
20°-30°	279.4	29.6
30°-40°	110.4	11.7
40°-50°	33.9	3.6
50°-60°	8.8	0.9
60°-70°	5.3	0.6
70°-80°	3.9	0.4
80°-90°	1.1	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°	780.9	82.7
0°-40°	891.3	94.4
0°-60°	934.0	98.9
0°-90°	944.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	944.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1741	1741	1741	1741	1741	
5°	1682	1685	1686	1683	1679	156
15°	1256	1259	1268	1262	1254	345
25°	572	600	645	611	583	266
35°	159	164	169	164	160	106
45°	40	41	42	42	41	33
55°	6	8	11	8	6	7
65°	5	6	6	6	5	5
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°	1741.0	1741.0	1741.0	1741.0	1741.0
2.5°	1719.2	1720.2	1721.7	1719.7	1714.6
5°	1682.2	1685.3	1686.3	1682.7	1678.7
7.5°	1621.5	1617.9	1620.9	1614.9	1609.8
10°	1522.2	1517.6	1516.1	1507.0	1507.0
12.5°	1399.7	1398.1	1399.1	1394.6	1387.5
15°	1255.8	1259.4	1267.5	1262.4	1253.8
17.5°	1103.4	1108.5	1115.6	1114.1	1102.4
20°	934.3	949.0	959.1	949.5	932.8
22.5°	741.9	773.3	799.1	778.8	751.5
25°	572.2	599.6	645.1	610.7	583.4
27.5°	434.0	453.7	495.2	461.3	442.6
30°	318.0	330.2	359.0	336.7	323.6
32.5°	227.4	236.0	248.1	235.0	228.4
35°	159.0	163.6	169.1	164.1	159.5
37.5°	111.9	113.4	117.5	113.4	111.4
40°	78.5	79.0	82.0	79.5	78.5
42.5°	56.7	56.7	58.2	57.2	56.7
45°	40.5	41.0	42.0	41.5	41.0
47.5°	28.9	29.9	29.9	30.4	28.4
50°	17.2	21.3	21.8	21.3	17.2
52.5°	9.1	12.7	15.7	12.7	9.1
55°	5.6	7.6	10.6	7.6	6.1
57.5°	5.6	5.6	7.1	6.1	5.6
60°	5.6	5.6	5.6	5.6	5.6
62.5°	5.6	5.6	5.6	5.6	5.6
65°	5.1	5.6	5.6	5.6	5.1
67.5°	5.1	5.1	5.1	5.1	5.1
70°	5.1	5.1	4.6	5.1	5.1
72.5°	4.6	4.6	4.1	4.6	4.6
75°	3.5	3.5	3.5	3.5	3.5
77.5°	3.0	3.0	3.0	3.0	3.0
80°	2.5	2.5	2.0	2.5	2.5
82.5°	1.5	1.5	1.5	1.5	1.5
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°







(END OF REPORT)