

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: P283896

Luminaire Tested: **LDA2B108035D010 EU2B10WFL558035 2LBALPINSQ1MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283896
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: LDA2B108035D010 EU2B10WFL558035 2LBALPINSQ1MB
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ Pinhole w-lens, MB

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 908.7 lumens
Efficiency: N/A
Efficacy: 90.9 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

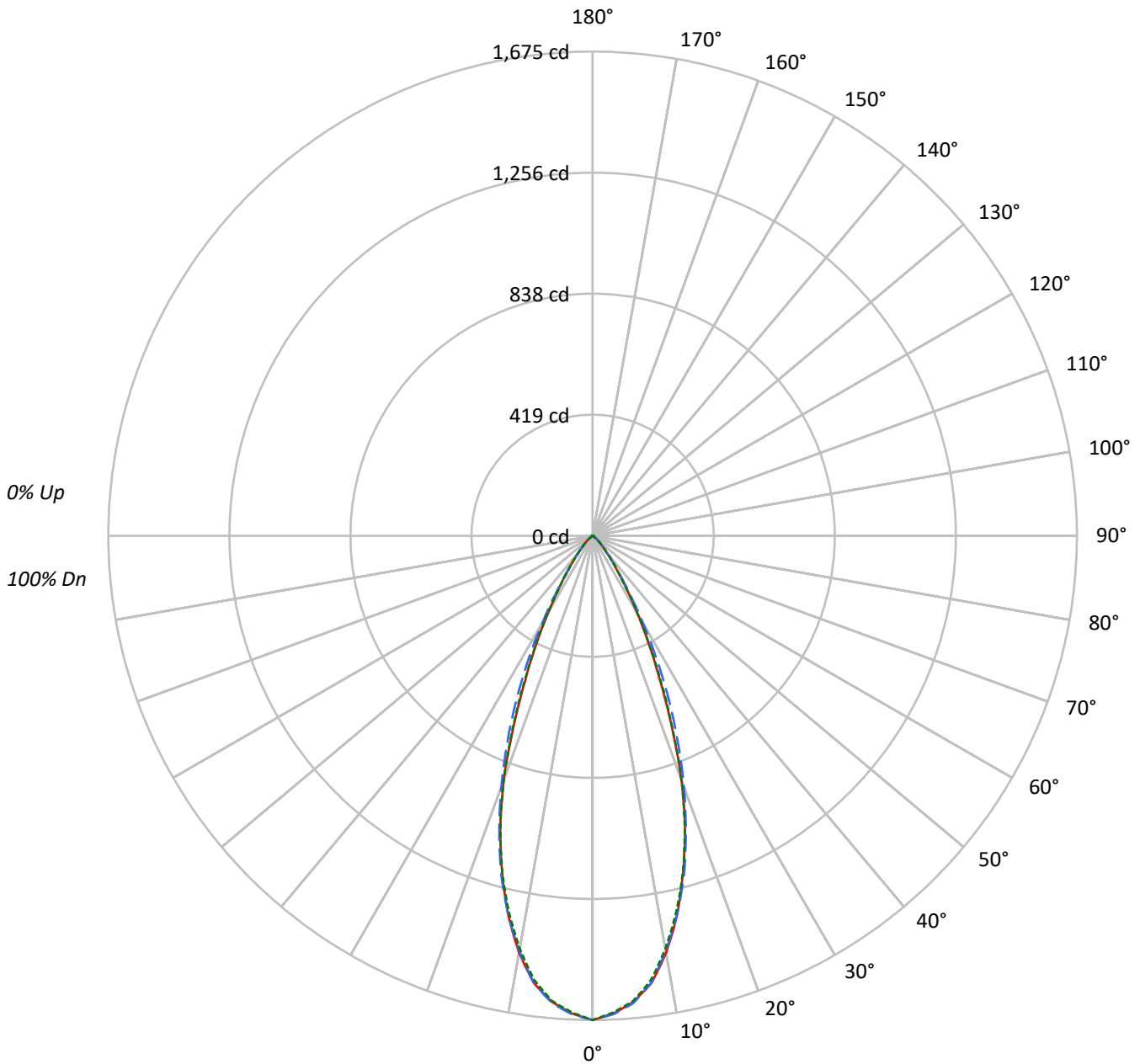
Input Watts (W): 10
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	826480	826480	826480
5°	801655	803587	799971
10°	733775	730869	726460
15°	617209	622930	616239
20°	471997	484545	471210
25°	299727	337941	305552
30°	174324	196826	177400
35°	92149	97992	92451
40°	48625	50815	48625
45°	27211	28188	27560
50°	12741	16118	12741
55°	4645	8774	4989
60°	5328	5328	5328
65°	5720	6304	5720
70°	7068	6347	7068
75°	6481	6481	6481
80°	6819	5398	6819
85°	5661	5661	5661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.5	16.5
10°-20°	333.0	36.6
20°-30°	268.9	29.6
30°-40°	106.3	11.7
40°-50°	32.6	3.6
50°-60°	8.4	0.9
60°-70°	5.1	0.6
70°-80°	3.7	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°	751.4	82.7
0°-40°	857.7	94.4
0°-60°	898.7	98.9
0°-90°	908.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	908.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1675	1675	1675	1675	1675	
5°	1619	1622	1623	1619	1615	150
15°	1208	1212	1220	1215	1206	332
25°	551	577	621	588	561	256
35°	153	157	163	158	154	102
45°	39	40	40	40	40	32
55°	5	7	10	7	6	7
65°	5	5	5	5	5	5
75°	3	3	3	3	3	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°	1675.2	1675.2	1675.2	1675.2	1675.2
2.5°	1654.3	1655.2	1656.7	1654.8	1649.9
5°	1618.7	1621.6	1622.6	1619.2	1615.3
7.5°	1560.2	1556.8	1559.7	1553.9	1549.0
10°	1464.7	1460.3	1458.9	1450.1	1450.1
12.5°	1346.8	1345.3	1346.3	1341.9	1335.1
15°	1208.4	1211.8	1219.6	1214.8	1206.5
17.5°	1061.8	1066.6	1073.4	1072.0	1060.8
20°	899.0	913.1	922.9	913.6	897.5
22.5°	713.8	744.1	768.9	749.4	723.1
25°	550.6	576.9	620.8	587.6	561.3
27.5°	417.6	436.6	476.5	443.9	425.9
30°	306.0	317.7	345.5	324.0	311.4
32.5°	218.8	227.1	238.8	226.1	219.8
35°	153.0	157.4	162.7	157.9	153.5
37.5°	107.7	109.1	113.0	109.1	107.2
40°	75.5	76.0	78.9	76.5	75.5
42.5°	54.6	54.6	56.0	55.1	54.6
45°	39.0	39.5	40.4	40.0	39.5
47.5°	27.8	28.7	28.7	29.2	27.3
50°	16.6	20.5	21.0	20.5	16.6
52.5°	8.8	12.2	15.1	12.2	8.8
55°	5.4	7.3	10.2	7.3	5.8
57.5°	5.4	5.4	6.8	5.8	5.4
60°	5.4	5.4	5.4	5.4	5.4
62.5°	5.4	5.4	5.4	5.4	5.4
65°	4.9	5.4	5.4	5.4	4.9
67.5°	4.9	4.9	4.9	4.9	4.9
70°	4.9	4.9	4.4	4.9	4.9
72.5°	4.4	4.4	3.9	4.4	4.4
75°	3.4	3.4	3.4	3.4	3.4
77.5°	2.9	2.9	2.9	2.9	2.9
80°	2.4	2.4	1.9	2.4	2.4
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)