

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: P283880

Luminaire Tested: **LDA2B108027D010 EU2B10WFL558027 2LBAPINSQ1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283880
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: LDA2B108027D010 EU2B10WFL558027 2LBAPINSQ1MW
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ PinHole, MW

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 977.6 lumens
Efficiency: N/A
Efficacy: 97.8 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

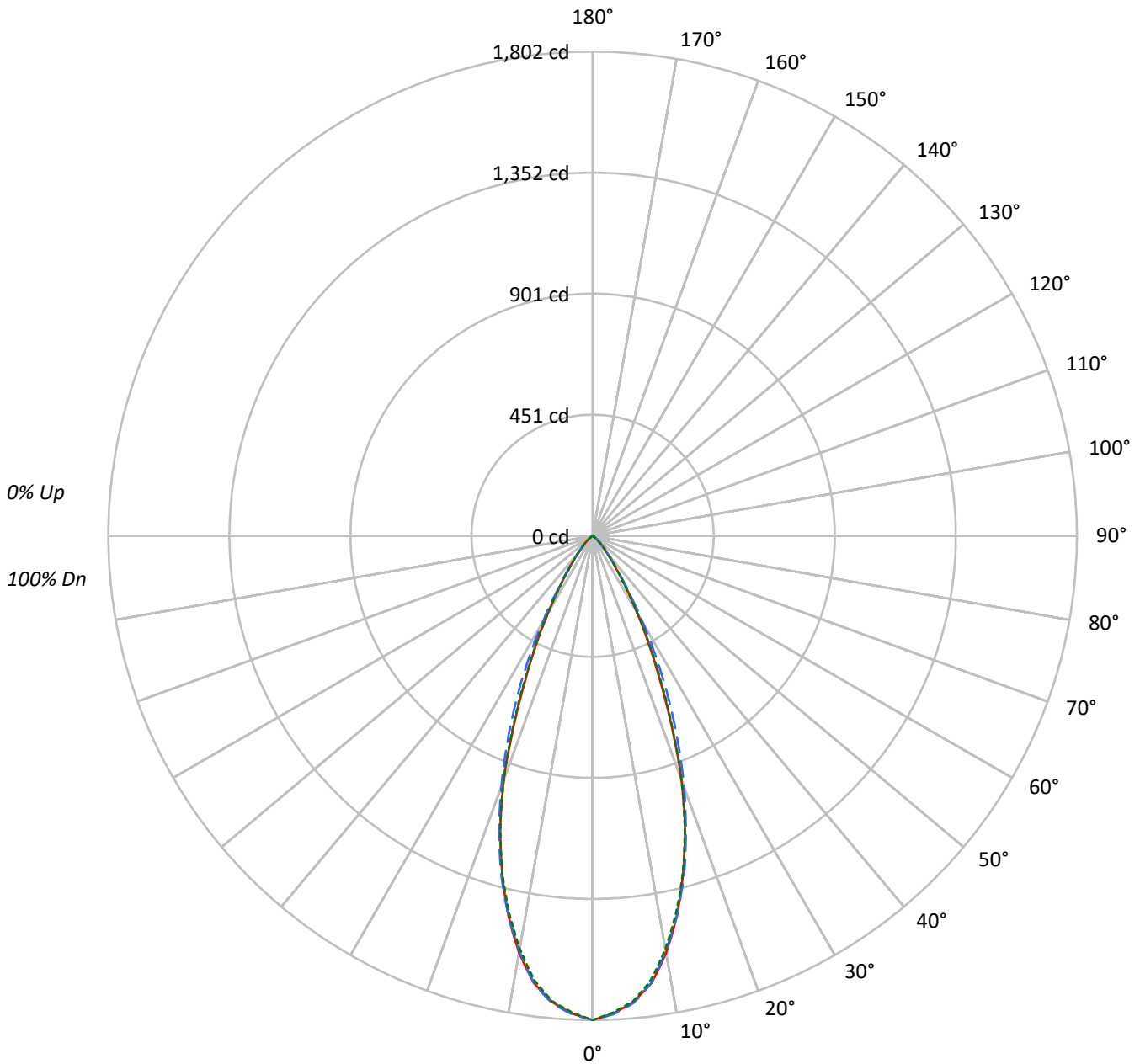
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	889235	889235	889235
5°	862472	864552	860689
10°	789483	786327	781618
15°	664046	670227	662974
20°	507804	521297	507016
25°	322482	363581	328742
30°	187540	211752	190845
35°	99136	105460	99437
40°	52360	54679	52360
45°	29234	30351	29653
50°	13662	17270	13662
55°	4989	9462	5419
60°	5723	5723	5723
65°	6070	6771	6070
70°	7501	6780	7501
75°	7053	7053	7053
80°	7387	5966	7387
85°	5661	5661	5661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.9	16.5
10°-20°	358.2	36.6
20°-30°	289.3	29.6
30°-40°	114.3	11.7
40°-50°	35.1	3.6
50°-60°	9.1	0.9
60°-70°	5.5	0.6
70°-80°	4.0	0.4
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°	808.4	82.7
0°-40°	922.7	94.4
0°-60°	966.9	98.9
0°-90°	977.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	977.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1802	1802	1802	1802	1802	
5°	1742	1745	1746	1742	1738	161
15°	1300	1304	1312	1307	1298	357
25°	592	621	668	632	604	276
35°	165	169	175	170	165	110
45°	42	42	44	43	42	34
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°	1802.4	1802.4	1802.4	1802.4	1802.4
2.5°	1779.8	1780.9	1782.4	1780.3	1775.1
5°	1741.5	1744.7	1745.7	1742.1	1737.9
7.5°	1678.6	1675.0	1678.1	1671.8	1666.6
10°	1575.9	1571.2	1569.6	1560.2	1560.2
12.5°	1449.0	1447.4	1448.5	1443.8	1436.4
15°	1300.1	1303.8	1312.2	1306.9	1298.0
17.5°	1142.3	1147.6	1154.9	1153.3	1141.3
20°	967.2	982.4	992.9	983.0	965.7
22.5°	768.0	800.5	827.3	806.3	778.0
25°	592.4	620.7	667.9	632.2	603.9
27.5°	449.3	469.7	512.7	477.6	458.2
30°	329.2	341.8	371.7	348.6	335.0
32.5°	235.4	244.3	256.9	243.2	236.4
35°	164.6	169.3	175.1	169.9	165.1
37.5°	115.9	117.4	121.6	117.4	115.3
40°	81.3	81.8	84.9	82.3	81.3
42.5°	58.7	58.7	60.3	59.2	58.7
45°	41.9	42.5	43.5	43.0	42.5
47.5°	29.9	30.9	30.9	31.5	29.4
50°	17.8	22.0	22.5	22.0	17.8
52.5°	9.4	13.1	16.3	13.1	9.4
55°	5.8	7.9	11.0	7.9	6.3
57.5°	5.8	5.8	7.3	6.3	5.8
60°	5.8	5.8	5.8	5.8	5.8
62.5°	5.8	5.8	5.8	5.8	5.8
65°	5.2	5.8	5.8	5.8	5.2
67.5°	5.2	5.2	5.2	5.2	5.2
70°	5.2	5.2	4.7	5.2	5.2
72.5°	4.7	4.7	4.2	4.7	4.7
75°	3.7	3.7	3.7	3.7	3.7
77.5°	3.1	3.1	3.1	3.1	3.1
80°	2.6	2.6	2.1	2.6	2.6
82.5°	1.6	1.6	1.6	1.6	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°







(END OF REPORT)