

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: P283977

Luminaire Tested: **LDA2B158035D010 EU2B15WFL558035 2LBAPINSQ1MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283977
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: LDA2B158035D010 EU2B15WFL558035 2LBAPINSQ1MB
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ PinHole, MB

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1302.5 lumens
Efficiency: N/A
Efficacy: 92.4 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

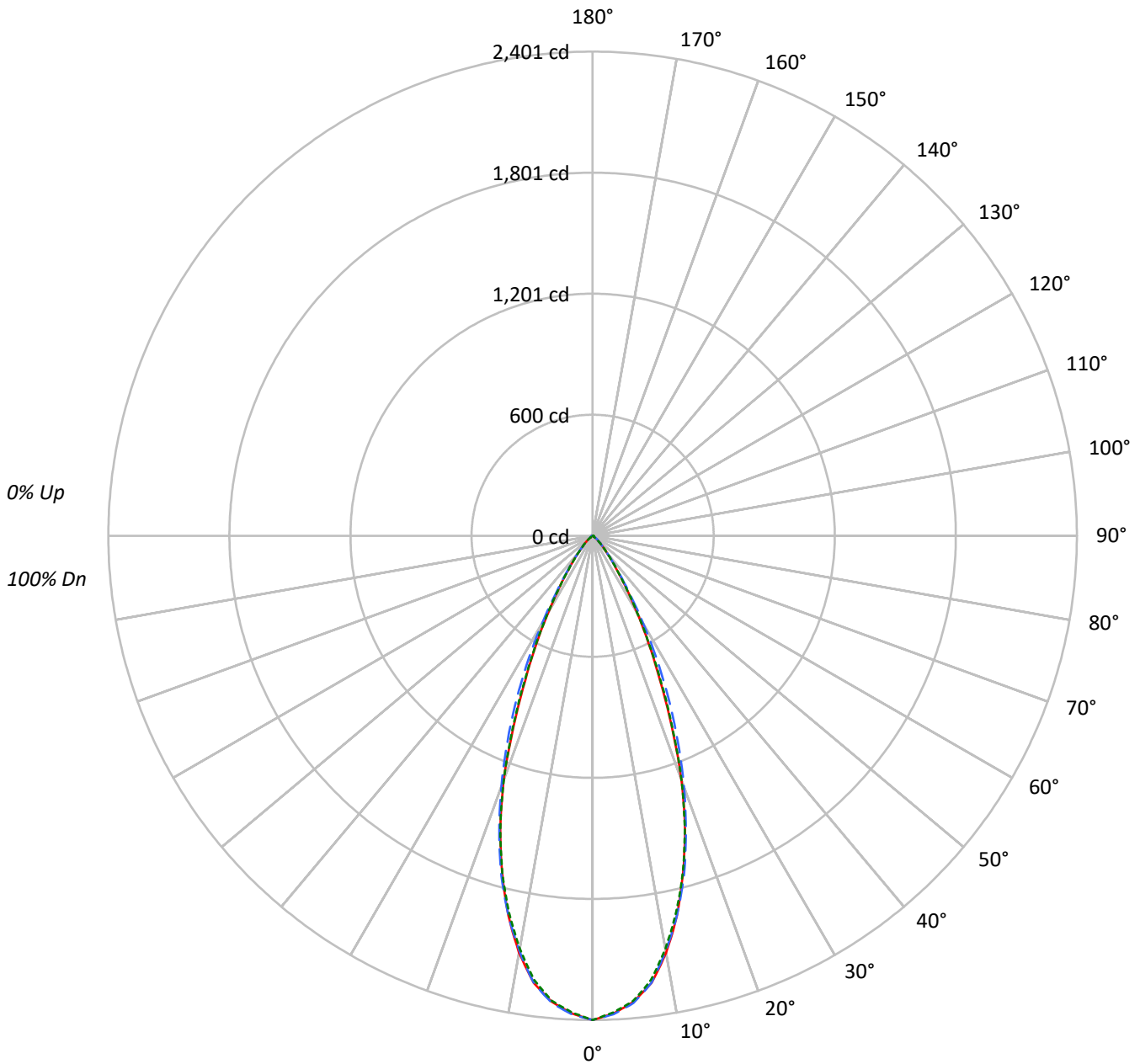
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1184710	1184710	1184710
5°	1149120	1151893	1146693
10°	1051842	1047634	1041322
15°	884748	892972	883318
20°	676599	694555	675497
25°	429667	484376	437996
30°	249864	282108	254250
35°	132081	140513	132502
40°	69749	72905	69749
45°	39002	40468	39491
50°	18191	23026	18191
55°	6623	12644	7225
60°	7598	7598	7598
65°	8172	8989	8172
70°	10097	9088	10097
75°	9340	9340	9340
80°	9944	7955	9944
85°	7925	7925	7925



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.3	16.5
10°-20°	477.3	36.6
20°-30°	385.4	29.6
30°-40°	152.3	11.7
40°-50°	46.8	3.6
50°-60°	12.1	0.9
60°-70°	7.3	0.6
70°-80°	5.4	0.4
80°-90°	1.6	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°	1077.1	82.7
0°-40°	1229.4	94.4
0°-60°	1288.2	98.9
0°-90°	1302.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1302.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2401	2401	2401	2401	2401	
5°	2320	2324	2326	2321	2315	215
15°	1732	1737	1748	1741	1729	476
25°	789	827	890	842	805	367
35°	219	226	233	226	220	147
45°	56	57	58	57	57	46
55°	8	10	15	10	8	10
65°	7	8	8	8	7	7
75°	5	5	5	5	5	5
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2401.3	2401.3	2401.3	2401.3	2401.3
2.5°	2371.3	2372.7	2374.8	2372.0	2365.0
5°	2320.3	2324.5	2325.9	2321.0	2315.4
7.5°	2236.5	2231.6	2235.8	2227.4	2220.4
10°	2099.6	2093.3	2091.2	2078.6	2078.6
12.5°	1930.6	1928.5	1929.9	1923.6	1913.8
15°	1732.2	1737.1	1748.3	1741.3	1729.4
17.5°	1522.0	1528.9	1538.7	1536.6	1520.6
20°	1288.7	1308.9	1322.9	1309.6	1286.6
22.5°	1023.3	1066.6	1102.2	1074.2	1036.5
25°	789.3	827.0	889.8	842.3	804.6
27.5°	598.6	625.8	683.1	636.3	610.5
30°	438.6	455.4	495.2	464.5	446.3
32.5°	313.6	325.5	342.2	324.1	315.0
35°	219.3	225.6	233.3	226.3	220.0
37.5°	154.4	156.5	162.0	156.5	153.7
40°	108.3	109.0	113.2	109.7	108.3
42.5°	78.2	78.2	80.3	78.9	78.2
45°	55.9	56.6	58.0	57.3	56.6
47.5°	39.8	41.2	41.2	41.9	39.1
50°	23.7	29.3	30.0	29.3	23.7
52.5°	12.6	17.5	21.7	17.5	12.6
55°	7.7	10.5	14.7	10.5	8.4
57.5°	7.7	7.7	9.8	8.4	7.7
60°	7.7	7.7	7.7	7.7	7.7
62.5°	7.7	7.7	7.7	7.7	7.7
65°	7.0	7.7	7.7	7.7	7.0
67.5°	7.0	7.0	7.0	7.0	7.0
70°	7.0	7.0	6.3	7.0	7.0
72.5°	6.3	6.3	5.6	6.3	6.3
75°	4.9	4.9	4.9	4.9	4.9
77.5°	4.2	4.2	4.2	4.2	4.2
80°	3.5	3.5	2.8	3.5	3.5
82.5°	2.1	2.1	2.1	2.1	2.1
85°	1.4	1.4	1.4	1.4	1.4
87.5°	0.7	0.7	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0



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







(END OF REPORT)