

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: P283965

Luminaire Tested: **LDA2B158027D010 EU2B15WFL558027 2LBAPINSQ1MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283965
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: LDA2B158027D010 EU2B15WFL558027 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: 1263.8 lumens
Efficiency: N/A
Efficacy: 89.6 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

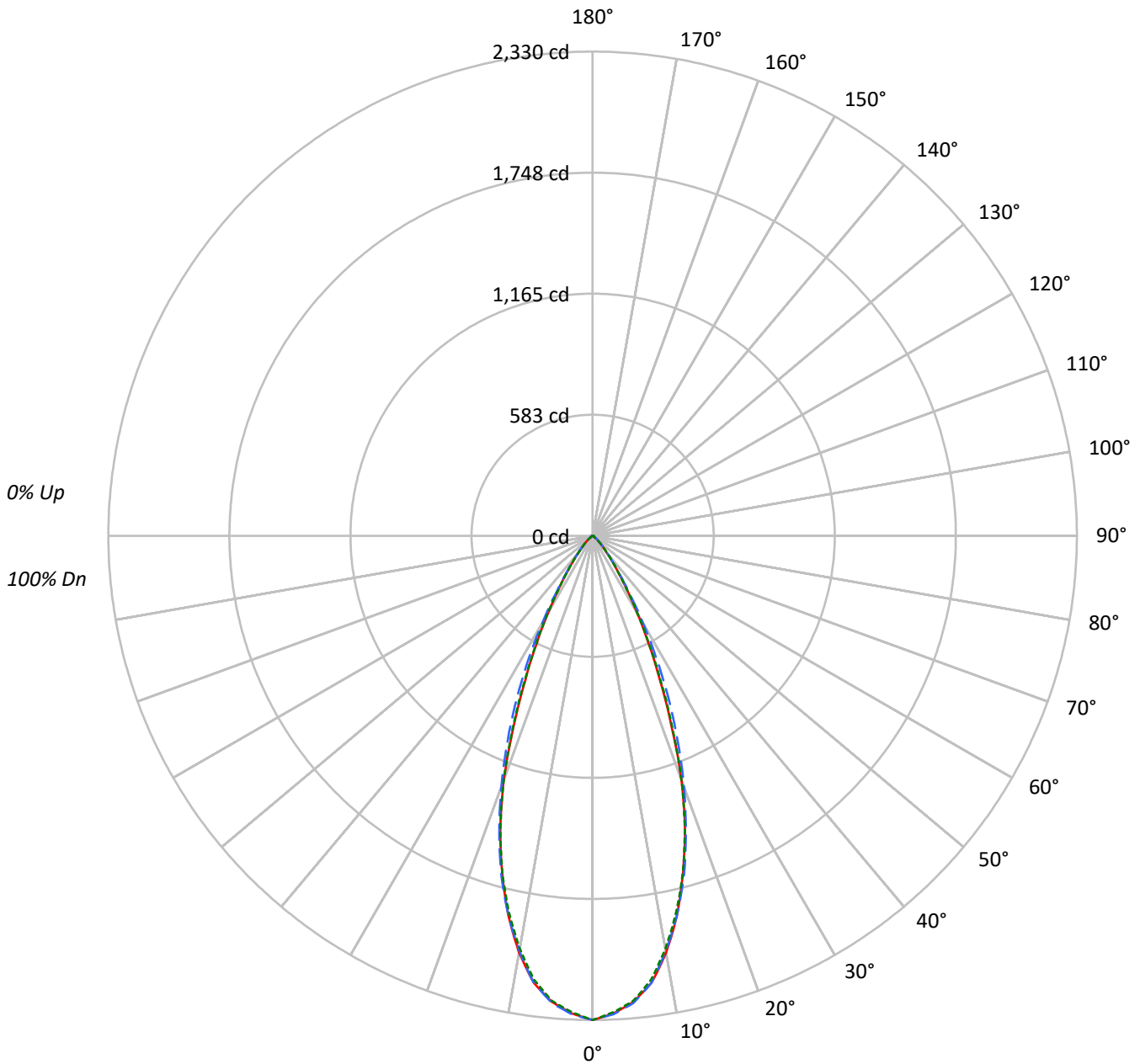
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1149533	1149533	1149533
5°	1114998	1117721	1112670
10°	1020632	1016524	1010412
15°	858495	866463	857116
20°	656491	673922	655441
25°	416874	470004	424985
30°	242458	273734	246731
35°	128166	136357	128588
40°	67624	70715	67624
45°	37816	39282	38305
50°	17653	22335	17653
55°	6451	12214	6967
60°	7400	7400	7400
65°	7938	8755	7938
70°	9809	8799	9809
75°	8959	8959	8959
80°	9660	7671	9660
85°	7925	7925	7925



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.0	16.5
10°-20°	463.1	36.6
20°-30°	374.0	29.6
30°-40°	147.8	11.7
40°-50°	45.4	3.6
50°-60°	11.7	0.9
60°-70°	7.1	0.6
70°-80°	5.2	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°	1045.1	82.7
0°-40°	1192.9	94.4
0°-60°	1250.0	98.9
0°-90°	1263.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1263.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2330	2330	2330	2330	2330	
5°	2251	2256	2257	2252	2247	208
15°	1681	1686	1696	1690	1678	462
25°	766	802	863	817	781	357
35°	213	219	226	220	214	143
45°	54	55	56	56	55	44
55°	8	10	14	10	8	9
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°	2330.0	2330.0	2330.0	2330.0	2330.0
2.5°	2300.9	2302.3	2304.3	2301.6	2294.8
5°	2251.4	2255.5	2256.9	2252.1	2246.7
7.5°	2170.1	2165.4	2169.4	2161.3	2154.5
10°	2037.3	2031.2	2029.1	2016.9	2016.9
12.5°	1873.3	1871.2	1872.6	1866.5	1857.0
15°	1680.8	1685.5	1696.4	1689.6	1678.1
17.5°	1476.8	1483.6	1493.0	1491.0	1475.4
20°	1250.4	1270.1	1283.6	1270.7	1248.4
22.5°	992.9	1034.9	1069.5	1042.4	1005.8
25°	765.8	802.4	863.4	817.3	780.7
27.5°	580.8	607.2	662.8	617.4	592.3
30°	425.6	441.9	480.5	450.7	433.1
32.5°	304.3	315.8	332.1	314.5	305.7
35°	212.8	218.9	226.4	219.6	213.5
37.5°	149.8	151.8	157.2	151.8	149.1
40°	105.0	105.7	109.8	106.4	105.0
42.5°	75.9	75.9	77.9	76.6	75.9
45°	54.2	54.9	56.3	55.6	54.9
47.5°	38.6	40.0	40.0	40.7	38.0
50°	23.0	28.5	29.1	28.5	23.0
52.5°	12.2	16.9	21.0	16.9	12.2
55°	7.5	10.2	14.2	10.2	8.1
57.5°	7.5	7.5	9.5	8.1	7.5
60°	7.5	7.5	7.5	7.5	7.5
62.5°	7.5	7.5	7.5	7.5	7.5
65°	6.8	7.5	7.5	7.5	6.8
67.5°	6.8	6.8	6.8	6.8	6.8
70°	6.8	6.8	6.1	6.8	6.8
72.5°	6.1	6.1	5.4	6.1	6.1
75°	4.7	4.7	4.7	4.7	4.7
77.5°	4.1	4.1	4.1	4.1	4.1
80°	3.4	3.4	2.7	3.4	3.4
82.5°	2.0	2.0	2.0	2.0	2.0
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)