

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: P283979

Luminaire Tested: **LDA2B158035D010 EU2B15WFL558035 2LBALPINSQ1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283979
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 2LBALPINSQ1MW
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ Pinhole w-lens, MW

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1256.4 lumens
Efficiency: N/A
Efficacy: 89.1 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

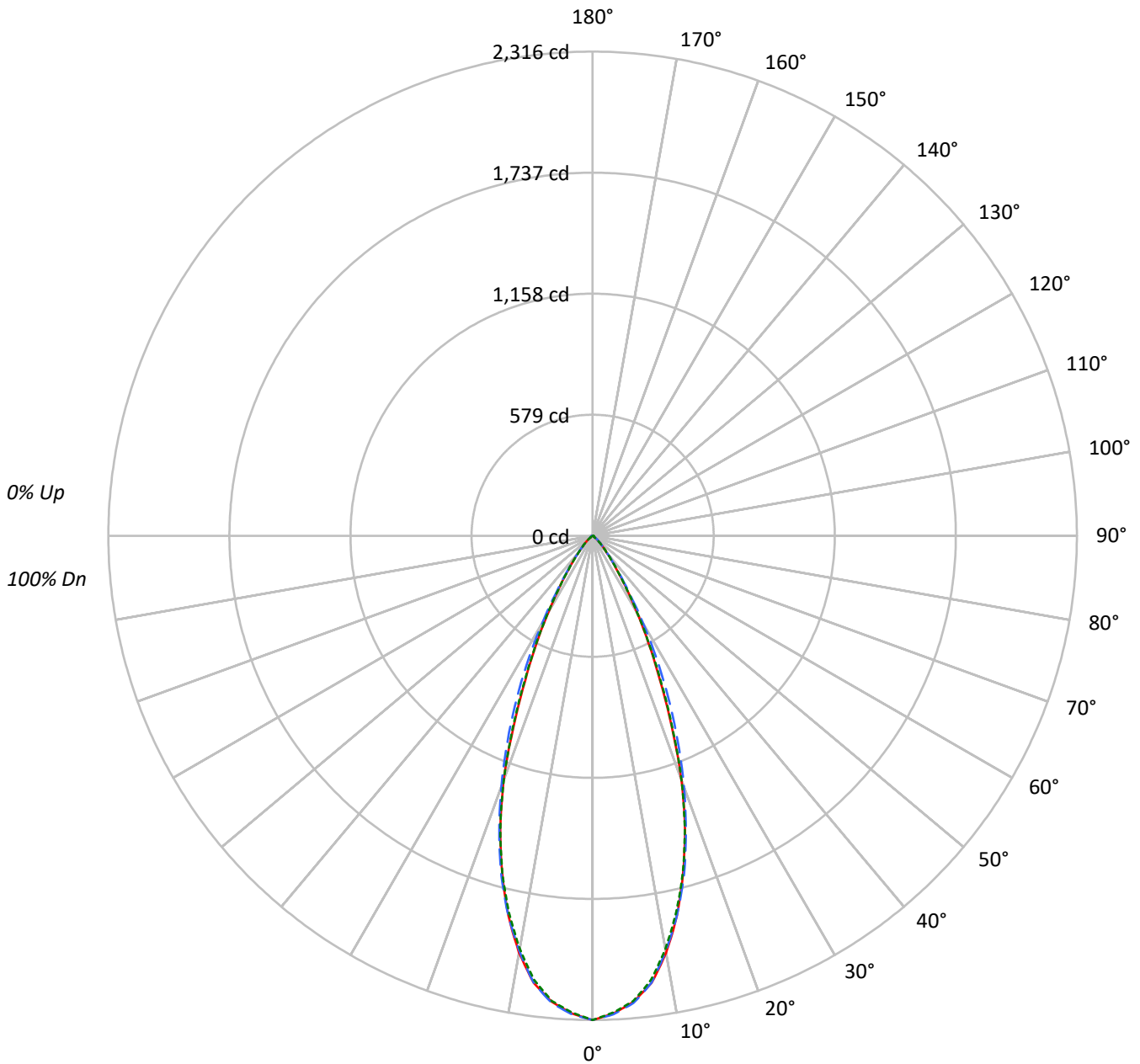
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	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°	1142873	1142873	1142873
5°	1108510	1111184	1106182
10°	1014670	1010612	1004550
15°	853489	861406	852110
20°	652711	670036	651608
25°	414479	467282	422536
30°	241034	272139	245306
35°	127443	135514	127805
40°	67238	70329	67238
45°	37607	39002	38095
50°	17577	22259	17577
55°	6365	12128	6967
60°	7302	7302	7302
65°	7822	8639	7822
70°	9665	8799	9665
75°	8959	8959	8959
80°	9660	7671	9660
85°	7359	7359	7359



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.8	16.5
10°-20°	460.4	36.6
20°-30°	371.8	29.6
30°-40°	147.0	11.7
40°-50°	45.1	3.6
50°-60°	11.6	0.9
60°-70°	7.0	0.6
70°-80°	5.1	0.4
80°-90°	1.5	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°	1039.0	82.7
0°-40°	1186.0	94.4
0°-60°	1242.7	98.9
0°-90°	1256.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1256.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2316	2316	2316	2316	2316	
5°	2238	2242	2244	2239	2234	207
15°	1671	1676	1686	1680	1668	459
25°	761	798	858	813	776	354
35°	212	218	225	218	212	142
45°	54	55	56	55	55	44
55°	7	10	14	10	8	9
65°	7	7	7	7	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°	2316.5	2316.5	2316.5	2316.5	2316.5
2.5°	2287.5	2288.9	2290.9	2288.2	2281.5
5°	2238.3	2242.4	2243.7	2239.0	2233.6
7.5°	2157.5	2152.8	2156.8	2148.7	2142.0
10°	2025.4	2019.4	2017.3	2005.2	2005.2
12.5°	1862.4	1860.3	1861.7	1855.6	1846.2
15°	1671.0	1675.7	1686.5	1679.8	1668.3
17.5°	1468.2	1474.9	1484.4	1482.3	1466.9
20°	1243.2	1262.7	1276.2	1263.4	1241.1
22.5°	987.1	1028.9	1063.2	1036.3	999.9
25°	761.4	797.8	858.4	812.6	776.2
27.5°	577.4	603.7	659.0	613.8	588.9
30°	423.1	439.3	477.7	448.1	430.6
32.5°	302.5	314.0	330.2	312.6	303.9
35°	211.6	217.6	225.0	218.3	212.2
37.5°	148.9	150.9	156.3	150.9	148.2
40°	104.4	105.1	109.2	105.8	104.4
42.5°	75.5	75.5	77.5	76.1	75.5
45°	53.9	54.6	55.9	55.3	54.6
47.5°	38.4	39.8	39.8	40.4	37.7
50°	22.9	28.3	29.0	28.3	22.9
52.5°	12.1	16.8	20.9	16.8	12.1
55°	7.4	10.1	14.1	10.1	8.1
57.5°	7.4	7.4	9.4	8.1	7.4
60°	7.4	7.4	7.4	7.4	7.4
62.5°	7.4	7.4	7.4	7.4	7.4
65°	6.7	7.4	7.4	7.4	6.7
67.5°	6.7	6.7	6.7	6.7	6.7
70°	6.7	6.7	6.1	6.7	6.7
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°	4.0	4.0	4.0	4.0	4.0
80°	3.4	3.4	2.7	3.4	3.4
82.5°	2.0	2.0	2.0	2.0	2.0
85°	1.3	1.3	1.3	1.3	1.3
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)