

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: P283978

Luminaire Tested: **LDA2B158035D010 EU2B15WFL558035 2LBAPINSQ1MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283978
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 2LBAPINSQ1MMS
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ PinHole, MMS

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1327.6 lumens
Efficiency: N/A
Efficacy: 94.2 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

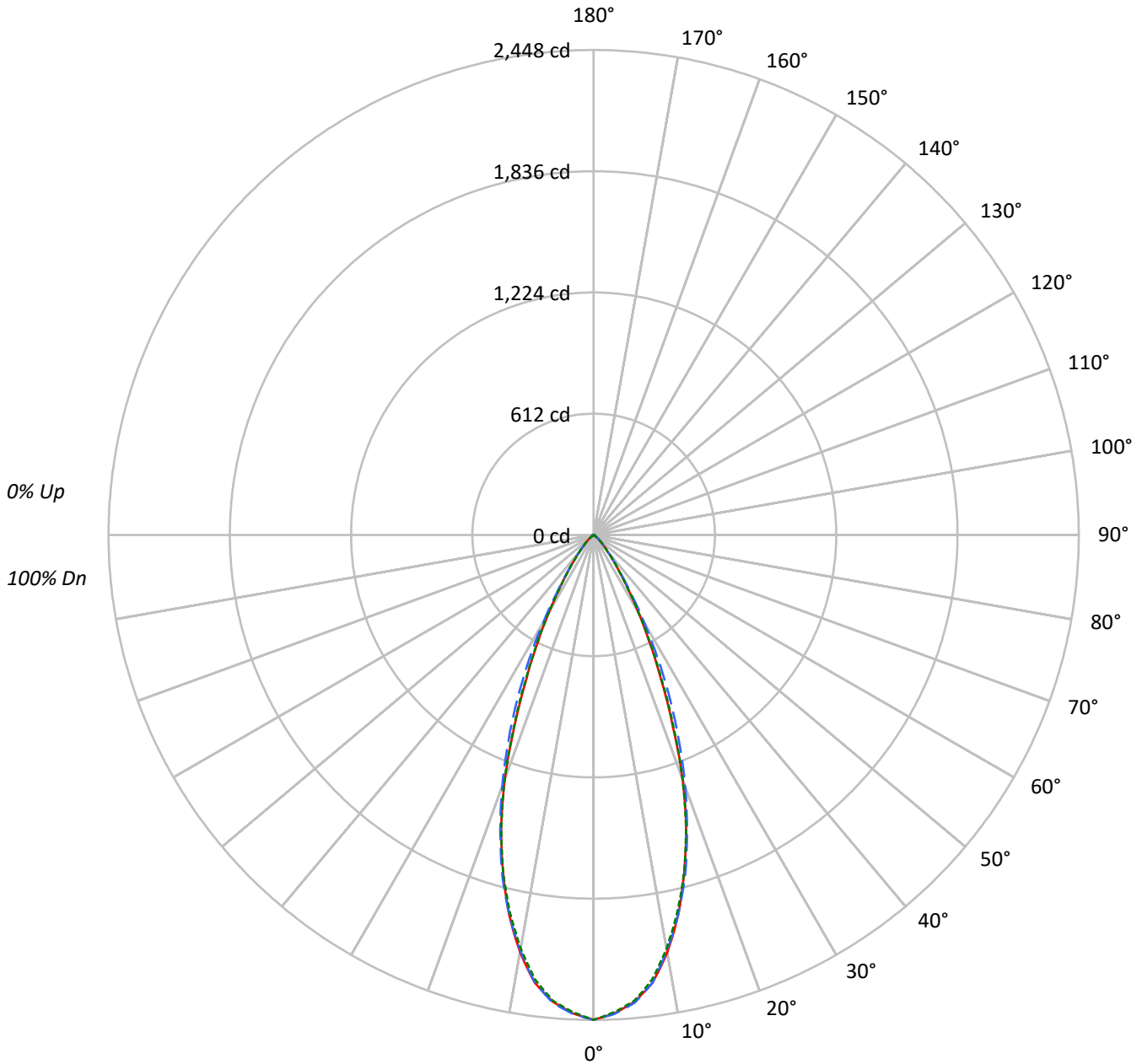
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1207602	1207602	1207602
5°	1171307	1174130	1168831
10°	1072132	1067873	1061461
15°	901859	910184	900378
20°	689672	707943	688517
25°	437941	493739	446488
30°	254706	287577	259150
35°	134671	143223	135092
40°	71102	74258	71102
45°	39770	41235	40258
50°	18574	23487	18574
55°	6709	12902	7311
60°	7696	7696	7696
65°	8288	9106	8288
70°	10242	9232	10242
75°	9531	9531	9531
80°	10228	7955	10228
85°	7925	7925	7925



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.5	16.5
10°-20°	486.5	36.6
20°-30°	392.9	29.6
30°-40°	155.3	11.7
40°-50°	47.7	3.6
50°-60°	12.3	0.9
60°-70°	7.4	0.6
70°-80°	5.5	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°	1097.9	82.7
0°-40°	1253.2	94.4
0°-60°	1313.1	98.9
0°-90°	1327.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1327.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2448	2448	2448	2448	2448	
5°	2365	2369	2371	2366	2360	219
15°	1766	1771	1782	1775	1763	485
25°	804	843	907	859	820	375
35°	224	230	238	231	224	150
45°	57	58	59	58	58	46
55°	8	11	15	11	8	10
65°	7	8	8	8	7	7
75°	5	5	5	5	5	6
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°	2447.7	2447.7	2447.7	2447.7	2447.7
2.5°	2417.1	2418.5	2420.7	2417.8	2410.7
5°	2365.1	2369.4	2370.8	2365.8	2360.1
7.5°	2279.7	2274.7	2279.0	2270.4	2263.3
10°	2140.1	2133.7	2131.6	2118.8	2118.8
12.5°	1967.8	1965.7	1967.1	1960.7	1950.8
15°	1765.7	1770.6	1782.0	1774.9	1762.8
17.5°	1551.4	1558.5	1568.4	1566.3	1549.9
20°	1313.6	1334.2	1348.4	1334.9	1311.4
22.5°	1043.0	1087.2	1123.5	1095.0	1056.5
25°	804.5	843.0	907.0	858.6	820.2
27.5°	610.1	637.9	696.3	648.6	622.2
30°	447.1	464.2	504.8	473.5	454.9
32.5°	319.7	331.8	348.9	330.3	321.1
35°	223.6	230.0	237.8	230.7	224.3
37.5°	157.3	159.5	165.2	159.5	156.6
40°	110.4	111.1	115.3	111.8	110.4
42.5°	79.7	79.7	81.9	80.5	79.7
45°	57.0	57.7	59.1	58.4	57.7
47.5°	40.6	42.0	42.0	42.7	39.9
50°	24.2	29.9	30.6	29.9	24.2
52.5°	12.8	17.8	22.1	17.8	12.8
55°	7.8	10.7	15.0	10.7	8.5
57.5°	7.8	7.8	10.0	8.5	7.8
60°	7.8	7.8	7.8	7.8	7.8
62.5°	7.8	7.8	7.8	7.8	7.8
65°	7.1	7.8	7.8	7.8	7.1
67.5°	7.1	7.1	7.1	7.1	7.1
70°	7.1	7.1	6.4	7.1	7.1
72.5°	6.4	6.4	5.7	6.4	6.4
75°	5.0	5.0	5.0	5.0	5.0
77.5°	4.3	4.3	4.3	4.3	4.3
80°	3.6	3.6	2.8	3.6	3.6
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)